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THE TRUSTEE FOR MHA PBR ANNANDALE UNIT TRUST



Acid Sulfate Soil Management Plan

122-128 & 130 Pyrmont Bridge Road and 206 Parramatta Road, Annandale NSW

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1. Introduction

1.1 Background

EI Australia (EI) was engaged by The Trustee for MHA PBR Annandale Unit Trust to prepare an Acid Sulfate Soils Management Plan (ASSMP) for the property located at 122-128 & 130 Pyrmont Bridge Road and 206 Parramatta Road, Annandale NSW ('the site'). This report has been prepared to assist with management of acid sulfate soils (ASS), should it be encountered during the proposed redevelopment of the site and will be submitted in support of a Development Application (DA) to Inner West Council.

As shown in **Figure 1** and **Figure 2**, the site covers an area of 2,623 m^2 and is located about 4 km south-west of the Sydney central business district, within the Local Government Area of the Inner West Council. The site is further identified as Lot 1 in DP 539271, Lot 100 DP1101482, Lots 3/1, 4/1, 5/1, 6/1 and 12 in DP 976387.

1.2 Proposed Development

The following documents, supplied by the Client, were used to assist with the preparation of this report:

- Architectural drawings prepared by BVN (2021) Camperdown Medical Facility – Urban Design Report, dated May 2021 (Drawing No. AR-D-XX-00, Issue B, BVN Project Number s1611019, dated 11 May 2021).

Based on the provided documents, EI understands that the proposed development involves the demolition of the existing site structures and the construction of an eight-storey medical facility building overlying two basement levels. The lowest basement level is proposed to have a Finished Floor Level (FFL) of RL +6.47m. A Bulk Excavation Level (BEL) of RL +6.17mAHD is assumed, which includes allowance for the construction of the basement slab. Locally deeper excavations may be required for footings, lift overrun pits, crane pads, and service trenches.

1.3 Project Objectives

The objective of this ASSMP is to provide the framework for the management and monitoring of the impacts of Acid Sulfate Soils (ASS), throughout the construction and operation phases of the project, in accordance with the *Acid Sulfate Soils Manual* (ASSMAC, 1998).

1.4 Scope of Works

To achieve the above objectives, the scopes of works are as follows:

- A description of the soil attributes of the site;
- A description of the potential impacts caused by the proposed construction activities;
- A description of the measures and procedures to be undertaken in the ASS area which when implemented will prevent, control or minimise the generation or escape of acid leachate into the surrounding environment;
- A focussed monitoring program covering soils, surface waters, and groundwater;
- A description of the contingency procedures to be implemented in the case of failure of management procedures; and
- A record of consultation with co-ordinating authorities.

2. Desktop Review

2.1 Property Identification, Location and Physical Setting

The site identification details and associated information are presented in **Table 2-1**, while the site locality is shown in **Figure 1**.

Table 2-1 Site Identification, Location and Zoning

Attribute	Description
Street Address	122-128 & 130 Pyrmont Bridge Road and 206 Parramatta Road, Annandale NSW
Location Description	The site is an irregular shaped block bounded by Pyrmont Bridge Road and Parramatta Road to the south followed by commercial properties, Commercial properties to the north, east and west Approximate coordinates for the south-western corner (datum GDA2020-MGA56): Easting: 331075.701 Northing: 6248842.427 (Source: http://maps.six.nsw.gov.au).
Site Area	Approximately 1,086.4 m^2
Lots and Deposited Plans (DPs)	Lot 1 in DP 539271, Lot 100 DP1101482, Lots 3/1, 4/1, 5/1, 6/1 and 12 in DP 976387.
Local Government Authority	Inner West Council
Current Zoning	IN2– Light Industrial (Leichhardt Local Environment Plan 2013)
Brief Site Description	The site is an irregular shape block of land, which is occupied by commercial / industrial warehouses. Hardstand concrete is expected to cover a vast majority of the site.

2.2 Regional Setting

Local topography, geology, soil landscape and hydrogeological information are summarised in **Table 2-2**.

Table 2-2 Topographical, Geological, Soil Landscape and Hydrogeological Information

Attribute	Description
Topography	The site is relative flat, with a slight incline dipping west with an elevation of approximately 16 m AHD to the east to 15 m AHD to the west.
Site Drainage	Main drainage pathway for stormwater on site is anticipated to be overland flow to the various stormwater pits and strip gutters present within the site and on nearby streets, which then discharge to the municipal stormwater system.
Regional Geology	Information on regional sub-surface conditions, referenced from the Department of Mineral Resources Geological Map Sydney 1:100,000 Geological Series Sheet indicates that the site is within Triassic-aged (Rh) which typically comprises of medium to coarse grained quartz sandstone, with very minor shale and laminate lenses (Hawksbury Sandstone).
Soil Landscape	The Soil Conservation Service of NSW Soil Landscapes of the Sydney

Attribute	Description
	1:100,000 Sheet (Chapman and Murphy, 1989) indicates that the site overlies Gymea (gy) erosional soils The Gymea landscape typically includes undulating to rolling rises and low hills on the Hawksbury sandstone. Local relief 20-80m, slopes 10-25% and rock outcrop <25%. The Gymea soils typically include shallow to moderately deep (30-100 cm) Yellow Earths and Earth Sands on crests and inside of beaches. Siliceous Sands in leading edges of beaches, localised Gleyed Pozolic soils and yellow Pozolic soils on shale lenses.
Soil Profile	Based on a review of the previous geotechnical investigations (JK Environment 2021), the subsurface strata typically comprises: ▪ Fill: sand, silty sand and gravelly silty sand with inclusions of igneous and sandstone gravels, concrete fragments and clay nodules extending to a depths of approximately 0.3 – 0.6 m Below ground Level (BGL) ▪ Residual soils (Natural): Silty sandy clay below fill in discrete locations; and ▪ Sandstone bedrock (Hawksbury sandstone) at depths of 0.3 – 0.8 m BGL.
Depth to Groundwater	Groundwater was not encountered during the drilling of boreholes (JK Environments, 2021).
Nearest Surface Water Feature	Sydney Harbour, located approximately 1.66 km north of the site, forms the nearest receiving surface water body in relation to the site.
Anticipated Groundwater Flow Direction	Groundwater flow direction in the vicinity of the site is inferred to be in a northern direction, generally towards Sydney Harbour.

2.3 Acid Sulfate Soils

Acid Sulfate Soils (ASS) are naturally occurring sediments containing iron sulphides. Sediments containing ASS may have been deposited in estuarine conditions previously existing in the general area of the subject site. As ASS comprise natural geological materials, their occurrence is not related to site boundaries or anthropogenic contamination, but rather extend across areas/regions previously suitable for their deposition.

When ASS are exposed to air (e.g. due to bulk excavation or dewatering), oxygen reacts with iron sulphides in the sediment, producing sulphuric acid. This acid can sometimes be produced in large quantities and drain into waterways causing severe short and long term socio-economic and environmental impacts, including damage to manmade structures and natural ecosystems.

ASS can either be classified as actual acid sulphate soils (AASS) within which are materials that have already reacted with oxygen to produce acid, or potential acid sulfate soils (PASS) with which are materials that contain iron sulphide, but have not been exposed to oxygen (e.g. soils below the water table) and therefore have not produced sulphuric acid (although they have the potential to do so).

2.4 Acid Sulfate Soil Risk Map

With reference to the Leichhardt Bay Acid Sulfate Soil Risk Map (1:25,000 scale; Murphy, 1997), the subject land lies within the map class description of disturbed terrain, greater than 4 m below the ground surface.

The Rockdale LEP 2013 Acid Sulfate Soils Map shows that the site lies within an area mapped as “Class 3 and 5 Acid Sulfate Soils”. JK Environments (2021) borehole logs identified shallow

bedrock situated almost directly beneath the fill materials identified, with the exception of residual natural soils present within BH2. No marine sediments or other indications of ASS were identified by JK Environments (2021), thus the probability of encountering ASS within the site is considered extremely low.

3. Acid Sulfate Soil Management

3.1 Additional Investigation

Due to the limited access to site soils, an additional investigation is required following demolition works to ensure ASSs are not present within site soils. Soil materials onsite will be assessed for acid sulfate soils through pH (field) and pH (fox) analysis as a preliminary indicator. If the preliminary screening results are indicative of acid sulfate soils, supplementary assessment will be conducted by the Chromium Reducible Sulfur (S_{CR}) and/or Suspension Peroxide Oxidation Combined Acidity and Sulphate (SPOCAS) analytical method, which will determine ASS risk, and establish required rates of liming for neutralisation purpose.

Soil and/or sediment samples should be collected at 0.5 m increments and at recognised soil horizon changes during advancement. Sampling will be conducted 1.0m below the maximum depth of excavation or until bedrock is encountered. Soils should be assessed in the field with regard to indicators of ASS by an experienced and qualified Environmental Scientist / Engineer. Such indicators may include some or all of the following:

- Dark blue/grey (sometimes black) clays/sands;
- Mottled or blotched yellow colouring within natural soils;
- Remnants of plants/grasses/shells within natural soils;
- A 'rotten eggs' type odour may emit from the soils; and
- A field pH of <4.0.

3.1.1 Action Criteria

ASSMAC (1998) provides action criteria that trigger management requirements for ASS, and these action criteria are broken down into three broad texture categories, as identified in **Table 3-1**. For this site, the action criteria for disturbance of more than 1000 tonnes of coarse textured materials are to be adopted.

Table 3-1 Summary of ASSMAC (1998) Action Criteria

Texture	Approximate Clay Content	Sulphur Trail (Spos%)	Acid Trail TPA /TSA (Mol H+/tonne)
< 1000 Tonnes of Material Disturbed			
Coarse Texture Sands to Loamy Sands	<5.0%	0.03	18
Medium Texture Sandy Loams to Light Clays	5-40%	0.06	36
Fine Texture Medium to Heavy Clays and Silty Clays	>40%	0.1	62
> 1000 Tonnes of Material Disturbed			

Texture	Approximate Clay Content	Sulphur Trail (Spos%)	Acid Trail TPA /TSA (Mol H+/tonne)
Coarse Texture Sands to Loamy Sands	<5.0%	0.03	18
Medium Texture Sandy Loams to Light Clays	5-40%	0.03	18
Fine Texture Medium to Heavy Clays and Silty Clays	>40%	0.03	18

For environmental protection purposes, the highest result from either the sulfur or the acid trail are to be used to confirm the presence of ASS (i.e. to determine if further action, or management, is required), unless mitigating factors apply (e.g. the quantity, fineness and reactivity of neutralising material, such as shell).

Following collection and interpretation of the additional ASS information, handling and management measures described in the following sections should be reviewed and amended by the environmental consultant to ensure that most satisfactory methods are proposed for soil disturbance works.

3.2 Extent of Soil Disturbance during Proposed Redevelopment

It is understood that the site redevelopment involves the demolition of the existing site structures and the construction of an eight-storey medical building overlying double level basement levels.

The following activities may therefore have an impact on PASS (should it be present):

- Disturbance or exposure of soils and sediments during bulk (basement) excavation;
- Piling works; and
- Localised groundwater dewatering.

3.3 Potential Environmental Impacts

The site lies within disturbed terrain and a Class 3 & 5 ASS area. EI consider there is a risk of encountering actual ASS (AASS) and / or potential ASS (PASS) in deeper soils, and further investigation is required to identify ASS on site.

Soils identified as ASS will require appropriate management (see **Section 3.4** to **Section 3.7**) to minimise environmental impacts that are likely caused by soil and groundwater disturbance during the construction activities.

Soil management options commonly adopted for ASS comprise (WA DER, 2015):

- Avoidance, or minimisation of ASS disturbance;
- Soil neutralisation (typically with lime);
- Strategic reburial under water; and
- Off-site ASS treatment and disposal.

The following issues will need to be considered during construction in a potential ASS environment:

- Exposure and oxidation of excavated (stockpiled) material and generation of acid leachate;
- Release of acidic surface and groundwater(s) during the excavation; and
- Ongoing oxidation of excess ASS generated by excavations and consequential generation of acidic groundwater.

The extent of any associated adverse impacts will depend on the following factors:

- Volume of excavated soil identified as being ASS;
- Physical characteristics of the ASS, such as grain size and natural buffering capacity;
- Time that ASS are exposed to air; and
- Rate of oxidation and transport of the oxidation products.

Effective control of these potential impacts will rely on adequate identification and appropriate management, including a monitoring program. An effective monitoring program, combined with planned maintenance and appropriate contingencies, will ensure there is no incremental contribution of acid leachates during construction.

Should ASS be identified in materials to be excavated, all disturbed ASS should either be neutralised and disposed off-site to a licensed facility, or disposed to a licensed waste handling facility and placed below the water table. Management and treatment requirements are further discussed in **Section 3.4** to **Section 3.7**. No ASS should be used for structural or general filling above the groundwater table without prior neutralisation and validation of successful neutralisation.

Inadequate identification, management, and monitoring will result in detectable incremental impacts. Many aquatic and marine organisms are extremely sensitive to acid drainage; as a result, the acid leachates released may have serious environmental impacts including:

- Aluminium and iron dissolved in acid leachates can be poisonous to both aquatic and terrestrial life forms;
- Sulfate salts released can increase the salinity of freshwater; and
- Acidic sediment may “fix” phosphates and other nutrients which prevents their uptake by plants.

3.4 Disposal of Potential Acid Sulfate Soils below the Water Table

In accordance with the EPA (2014) *Waste Classification Guidelines Part 4: Acid Sulfate Soils*, potential ASS may be disposed of in water below the permanent water table, provided:

- This occurs before they have had a chance to oxidise, i.e. within 24 hours of excavation;
- They meet the definition of ‘virgin excavated natural material’ (VENM) under the *Protection of the Environment Operations Act 1997*, even though they contain sulfidic ores or soils; and
- Landfills must be licensed by NSW EPA to dispose of potential ASS below the water table.

Potential ASS must be disposed of within 8 hours of their receipt at a landfill and kept wet at all times until their burial at least 2.0 metres below the lowest historical level of the water table at the disposal site. It is understood that PASS shall be disposed below the water table at the receiving landfill facility, as required.

3.4.1 Process for Excavation of PASS

Excavation shall proceed in stages, as follows:

- The site surface shall be stripped and prepared; any existing fill materials shall be excavated and removed or stored separately in covered stockpiles;
- Surface fill shall be stripped and removed and care must be taken to ensure that no surface fill material is mixed with PASS material below. The sides of the excavation shall also be stripped a further 200 mm laterally to ensure potential fill soils do not fall into the pit and cross contaminate PASS materials below;
- Once fill material is removed, the surface shall be inspected by a qualified environmental consultant and a representative of the receiving landfill facility, prior to excavation of PASS;
- When surface clearance is granted, PASS materials shall be excavated to the required depth and loaded directly onto waiting trucks. Each truckload shall be inspected and verification testing for pH shall be carried out to confirm soil pH does not fall below pH 5.5 prior to leaving the site; and
- Verification testing is required to demonstrate that materials with existing acidity are not being reburied. Should field pH fall below pH 5.5, the materials from that truck are to remain on-site and lime neutralisation techniques are to be implemented, as discussed in **Section 3.4**.

3.4.2 Transportation

Transport of PASS material to the receiving landfill facility shall take place immediately. If this is not possible, PASS soils shall be stockpiled and immediately covered. Stockpiled PASS materials must leave the site within 12 hours of excavation otherwise lime neutralisation techniques shall proceed as discussed in **Section 3.5**.

3.4.3 Documentation

Documentation must be provided to the occupier of the landfill for each truckload of PASS received, indicating that the soil excavation, transport and handling have been in accordance with ASSMAC (1998), thus preventing the generation of acid.

The occupier of the disposal site must also test the pH of each load of soil received immediately prior to its placement under water using the test method(s) in ASSMAC (1998) (Methods 21A and/or 21AF). These details, together with the pH of the soil recorded at the time of its extraction, must be retained by the occupier of the landfill site.

Soil that has dried out, undergone any oxidation of its sulfidic minerals, or which has a pH of less than pH 5.5 must be treated by neutralisation and disposed of at a landfill that can lawfully accept it.

The pH of the water at the landfill into which the potential ASS is placed must not be less than pH 5.5 at any time. Landfill licence conditions require the occupiers of potential ASS disposal sites to regularly monitor the pH of ground and surface waters at their premises.

3.5 Disposal of Potential Acid Sulfate Soils Above the Water Table

The total volume of PASS to be excavated or disturbed during the development program shall be stockpiled separately within designated areas, and treated (limed) immediately. More specifically, the management procedures are:

- For treatment of large volumes of material by mechanical application of neutralisation materials, treatment should be carried out on a treatment pad, with adequate sediment erosion control measures in place;

- Excavated PASS shall be stockpiled upon the treatment pad area. The treatment pad should consist of a minimum 300 mm thickness of compacted crushed limestone, or other appropriate neutralisation material. The level of compaction used should produce an appropriately low permeability base to prevent infiltration of leachate. The treatment pad should be bunded with a minimum 150 mm high perimeter of compacted, crushed limestone to contain potential leachate runoff within the treatment pad area and prevent surface water runoff from entering the treatment pad area. Lime shall be spread evenly upon the excavated materials, and thoroughly mixed; and
- Following treatment, soils should be chemically assessed and waste classified for offsite disposal in accordance with the EPA (2014) *Waste Classification Guidelines*.

In addition, the following management strategies shall also be considered and implemented, as required, to manage risk:

- Installation of leachate collection and treatment systems;
- Construction of supplementary erosion and sediment control structures.

If lime treatment on freshly excavated PASS cannot be performed immediately, plastic sheeting shall be placed over the stockpile to reduce oxidation, and the following shall be adopted:

- For every day a stockpile remains on-site, representative samples will be monitored for pH; where pH falls below pH 5.5, lime will be applied for neutralisation purposes; and
- On-site neutralisation of acidic soils (<pH 5.5) will be carried out using powdered, agricultural lime.

3.5.1 Determination of Lime Requirement

The quantity of lime required to neutralise the theoretical maximum amount of acid that could be generated from complete oxidation of the ASS is to be established at the conclusion of additional investigation, as discussed in **Section 3.1**.

3.5.2 Method of Neutralisation

In order to facilitate mixing, the soils should be thinly spread (<0.5 m). Lime should be added by hand and/or excavator bucket, followed by mixing using light-weight rotators and/or shovels.

Field pH testing on representative samples should be performed to ensure that sufficient neutralisation has occurred (i.e. pH is >pH 5.5), prior to disposal.

3.6 Management of In-situ Acid Sulfate Soils

Potential ASS which becomes exposed (oxidised) on excavation surfaces may produce acid. This corresponds to natural soil below the depth of site fill at the subject site. For every day that such an excavated surface is in an exposed state, pH values shall be monitored from representative samples. Where soil pH levels falls below pH 5.5, lime will be applied to the potential ASS horizon(s) following the methodology presented in **Section 3.5**. Plastic sheeting can be placed over the corresponding surface (where possible) to reduce the oxidation rate.

3.7 Groundwater Management and Disposal

3.7.1 Groundwater Management

The removal (pumping) of any groundwater from an excavation area may cause alterations to the existing groundwater table. Extracted groundwater should be pumped to a holding vessel for assessment of pH characteristics during the dewatering process. Extracted water should be treated with hydrated lime to display a pH level of pH 6-8, prior to off-site disposal. Powdered agricultural lime should be added to the water by hand and/or excavator bucket and mixed.

Field pH testing on representative samples should be performed to ensure that sufficient neutralisation has occurred, prior to disposal.

In addition to the above, an appropriately designed truck wash area will be required to capture liquids and solids generated, prior to vehicles exiting the site. Treatment and neutralisation of solids and liquids shall be in accordance with **Section 3.5.2** and above, respectively.

3.7.2 Groundwater Disposal

It is anticipated that extracted groundwater from the dewatering process will be disposed to the municipal stormwater system. Any permits / licences from Council and Water NSW shall be obtained prior to discharging to the municipal stormwater system.

Water for disposal will be tested routinely (weekly intervals) for the duration of dewatering activities, to ensure that no change to the quality of water entering the stormwater system, with the results made available to Council or Water NSW on request. Should it be found that groundwater quality is not suitable for disposal to the stormwater system, groundwater treatment or a Sydney Water permit to dispose to sewer shall be required prior to disposal.

Water quality monitoring for disposal to the municipal stormwater system shall include the following:

- Daily monitoring of field parameters (pH, electrical conductivity, dissolved oxygen, temperature and turbidity) in the treated discharge water using data logging equipment;
- Weekly sampling and laboratory analysis of treated groundwater water for a range of relevant analytical parameters (i.e. to be specified in the Dewatering Management Plan). Laboratory results should be compared to freshwater trigger values provided in Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, 2018) for slightly - moderately disturbed systems to provide a 95% level of species protection. Weekly sampling shall be performed by a suitably qualified Environmental Consultant and submitted to a NATA accredited laboratory for analysis of the above parameters, depending on the time frame required to complete the works.

3.8 Risk Management

This management plan has been based on the assumption that PASS is present in natural soils below the depth of filling soils, and will be disturbed and exposed during the proposed development. Should the actual amounts of ASS significantly differ from those in this document, management techniques may need to be revised.

During the proposed excavations, it is recommended that site inspections be conducted by a qualified environmental consultant/engineer, in order to supervise the works and check that the assumptions made in the report are consistent with field evidence. The qualified environmental consultant/engineer should ensure:

- Soils indicative of potential ASS materials are adequately managed; and
- Adequate testing of excavated / exposed PASS is performed to establish liming requirements.

All contractors must employ best practices in managing any off-site water and soil quality impacts during site redevelopment. All waste materials must be chemically assessed and waste classified under the EPA (2014) *Waste Classification Guidelines*, prior to off-site disposal to appropriate landfill facilities.

3.9 Contingency Planning

A contingency plan is detailed below in **Table 3-2**. The plan provides a list of potential events that may arise during bulk excavation and the actions to be undertaken if unexpected conditions occur.

Table 3-2 Contingency Plan

Unexpected Condition	Action
Potential ASS identified at unexpected depths	Stop excavations; Have material assess by an environmental consultant for the presence of ASS; and Follow management procedures adopted in the ASSMP.
Neutralisation of ASS was not effective	Re-assess liming rates and add additional lime to material; and Re-test material to check neutralisation.
Neutralisation of ASS indicates that too much lime has been added and soils are alkaline	Remediate soils before use; Remediation comprises mixing additional ASS with the material, i.e. use excess lime to neutralise more ASS; and Re-test material to check neutralisation.
Bunded PASS treatment area is damaged	Repair bund as soon as practicable; Clean-up any PASS that escaped the treatment area and place back into the treatment area; and Check surrounding area for impact from the PASS or leachate, and undertake remedial action as required.
Groundwater level falls below the top of areas defined as containing PASS	Stop dewatering; Review PASS exposure by checking the ASS and Non-ASS interface in the affected area; Determine potential causes by reviewing construction practises, weather, baseline groundwater monitoring data, and performing additional groundwater monitoring as necessary on groundwater monitoring present at the site; Review and confirm mitigation measures to be implemented, including: Maintain PASS soil moisture levels through targeted groundwater recharge; Adjusting the construction activities or schedule; and Treatment of additional PASS in treatment area.

4. Consultation and Records

During ASS management, regard must be given to the needs of the following organisations:

- NSW Environment Protection Authority, concerning their requirements with respect to the various contamination control issues associated with the project and the detail required in the ASSMP;
- WaterNSW, for dewatering conditions and permit; and
- Inner West Council, for DA compliance and the handling requirement for ASS situations.

A file will be established to store all hard copy records associated with ASS management for the project. All analysis and monitoring information will be stored electronically to permit ease of access and data interpretation.

5. Statement of Limitations

The findings presented in this plan are derived from previous site investigations, which included borehole drilling and sampling and analysis of site soils. Due to the nature of bore drilling and soil sampling from point locations, it is considered likely that all variations in subsurface conditions across a site cannot be fully defined, no matter how comprehensive the field investigation program.

While normal assessments of data reliability have been made, EI assumes no responsibility or liability for errors in any data obtained from previous assessments conducted on site, regulatory agencies (e.g. Council, EPA), statements from sources outside of EI, or developments resulting from situations outside the scope of works of this project.

Despite all reasonable care and diligence, the ground conditions encountered and concentrations of contaminants measured may not be representative of conditions between the locations sampled and investigated. In addition, site characteristics may change at any time in response to variations in natural conditions, chemical reactions and other events (e.g. groundwater movement and/or spillages of contaminating substances). These changes may occur subsequent to EI's investigations and assessment.

Neither EI, nor any other reputable consultant, can provide unqualified warranties nor does EI assume any liability for site conditions not observed or accessible during the time of the investigations.

This plan was prepared for the above named client and no responsibility is accepted for use of any part of this report in any other context or for any other purpose or by other third parties. This report does not purport to provide legal advice.

This plan and associated documents remain the property of EI subject to payment of all fees due for this assessment. The plan shall not be reproduced except in full and with prior written permission by EI.

REFERENCES

Ahern CR, Stone Y, and Blunden B (1998) *Acid Sulfate Soils Assessment Guidelines*, section 2 of the ASS Manual, Acid Sulfate Soil Management Advisory Committee (ASSMAC), Wollongbar, NSW, Australia, 28 August 1998.

Chapman GA and Murphy CL (1989) *Soil Landscapes of the Sydney 1:100 000 Sheet*, Soil Conservation Service of NSW, Sydney, September 1989.

JK Environmental (2021) *Limited Environmental and Hazardous Materials Assessment,* Ref No. E33770PArpt-DRAFT, dated 28 January 2021.

EPA (2014) *Waste Classification Guidelines*, NSW Environmental Protection Authority, EPA 2014/0796, November 2014.

Murphy CL (1997) *Acid Sulfate Soil Risk Map* (Second Edition), Department of Land and Water Conservation, Sydney, Supplied by the Sydney South Coast, Geographical Information Systems Unit.

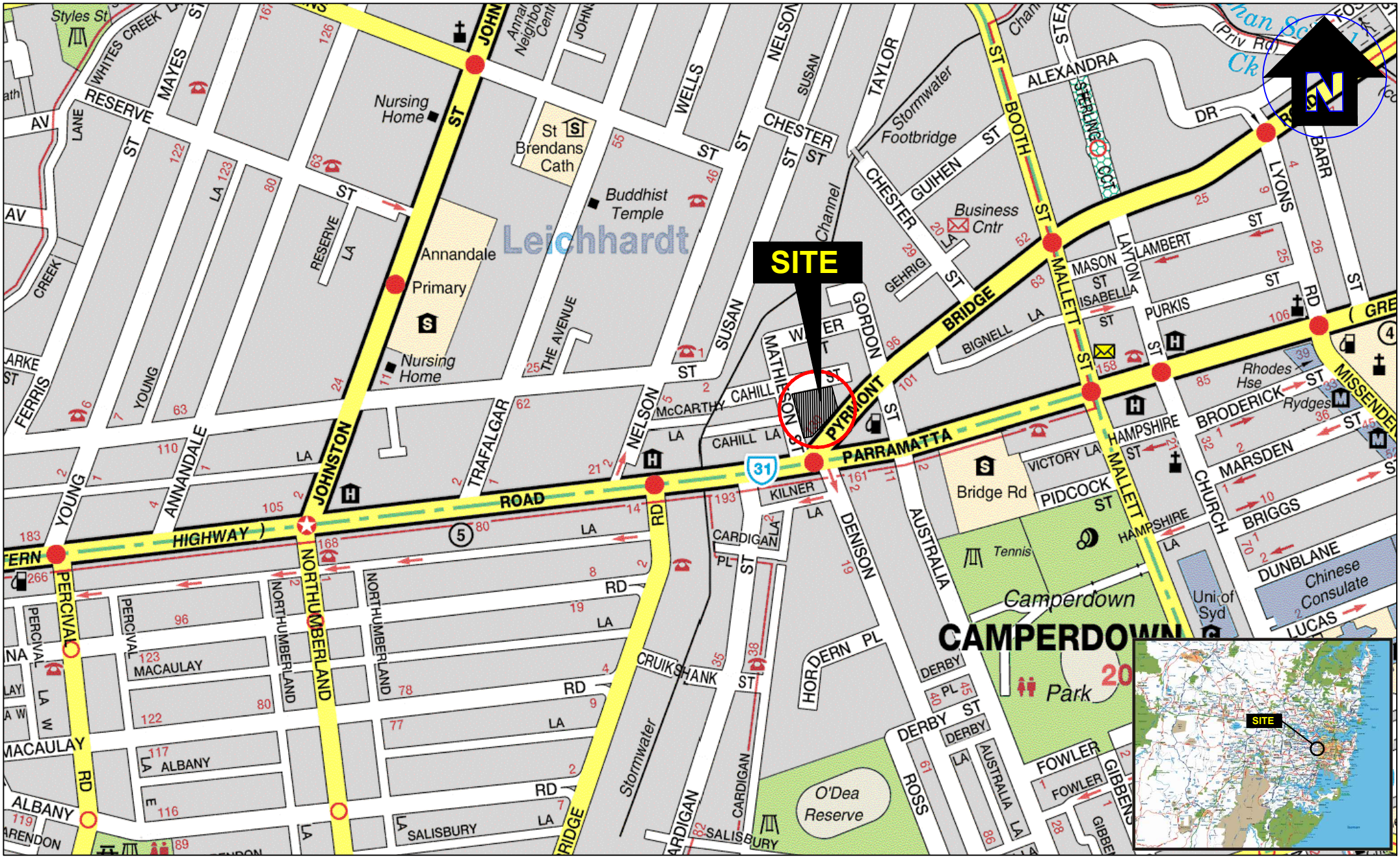
Geological Survey of NSW (2014) 1:100,000 Sydney Area Coastal Quaternary Geology Map Series.

Naylor SD, Chapman GA, Atkinson G, Murphy CL, Tulau MJ, Flewin TC, Milford HB and Morand DT (1998) *Guidelines for the Use of Acid Sulfate Soil Risk Maps* (Second Edition), Department of Land and Water Conservation, Sydney.

ABBREVIATIONS

AASS	Actual acid sulfate soils
AHD	Australian Height Datum
ASS	Acid sulfate soils
ASSMAC	Acid Sulfate Soil Management Advisory Committee (ASSMAC)
BGL	Below Ground Level
BEGL	Below Existing Ground Level
BH	Borehole
COC	Chain of Custody
DA	Development Application
DP	Deposited Plan
EI	EI Australia
EPA	Environmental Protection Authority
km	Kilometres
m	Metres
mAHD	Metres relative to Australian Height Datum
mBGL	Metres below ground level
mBEGL	Metres below existing ground level
NATA	National Association of Testing Authorities, Australia
NSW	New South Wales
OEH	Office of Environment and Heritage, NSW (formerly DEC, DECC, DECCW)
PASS	Potential acid sulfate soils
pH	Measure of the acidity or basicity of an aqueous solution
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
SRA	Sample receipt advice (document confirming laboratory receipt of samples)

Appendix A – Figures



eiaustralia Practical Solutions for Built Environments Suite 6.01, 55 Miller Street, PYRMONT 2009 Ph (02) 9516 0722 Fax (02) 9518 5088	Drawn:	L.C.	**The Trustee for MHA PBR Annandale Unit Trust** Acid Sulfate Soil Management Plan 122-128 & 130 Pyrmont Bridge Road & 206 Parramatta Road, Annandale, NSW Site Locality Plan
	Approved:	E.W.	
	Date:	16-06-21	
	Scale:	Not To Scale	

Figure: 1

Project: E25196 E14_Rev0



LEGEND

– — – Approximate site boundary

eiaustralia
Practical Solutions for Built Environments
Suite 6.01, 55 Miller Street, PYRMONT 2009
Ph (02) 9516 0722 Fax (02) 9518 5088

Drawn:	L.C.
Approved:	E.W.
Date:	16-06-21

The Trustee for MHA PBR Annandale Unit Trust

Acid Sulfate Soil Management Plan

122-128 & 130 Pyrmont Bridge Road & 206 Parramatta Road, Annandale, NSW

Site Layout Plan

Figure: 2

Project: E25196 E14_Rev0

Appendix B – Proposed Development Plans

Camperdown Medical Facility

Urban Design Report

May 2021

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STRATEGIC CONTEXT 4
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PURPOSE OF THIS REPORT

This Urban Design Report has been prepared to address planning proposal requirements for the site bounded by Pyrmont Bridge Road, Parramatta Road and Mathieson Street.

Content has been developed to align with the strategic objectives set out by the NSW Government, the Greater Sydney Commission, the Camperdown Ultimo Alliance and Inner West Council, and analyses the site specific urban design requirements. This report plus appendix completes the required set of delievrables.



ARTISTIC IMPRESSION: ENTRANCE VIEW FROM MATHIESON STREET



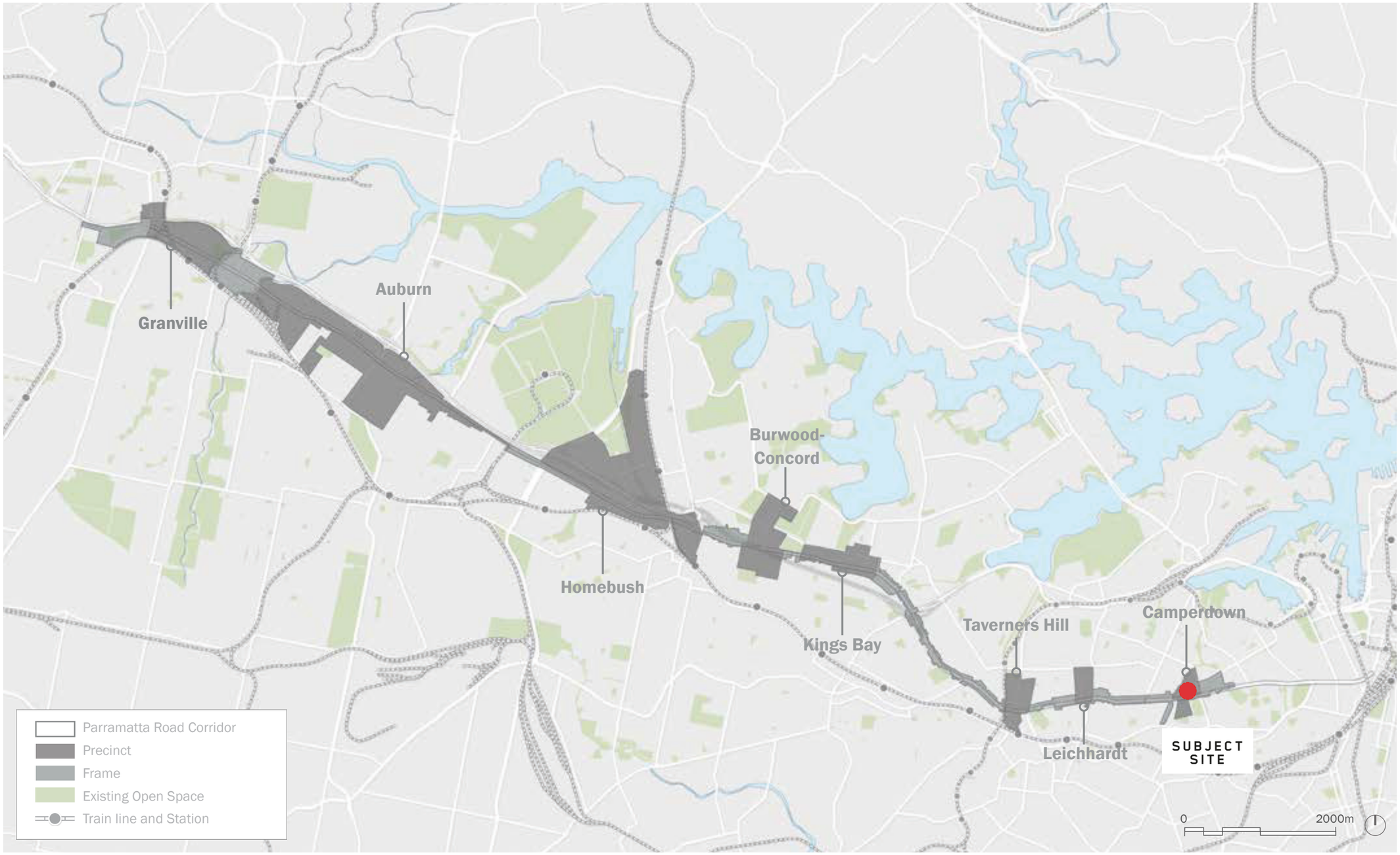
ARTISTIC IMPRESSION: VIEW FROM PARRAMATTA ROAD LOOKING NORTH

STRATEGIC CONTEXT

- GSC District Plans
- Parramatta Road Corridor Urban Transformation Strategy
- Camperdown Ultimo Collaboration Area
- Inner West Council Local Strategic Planning Statement
- Inner West Council Camperdown Employment Land Study

THE PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION STRATEGY

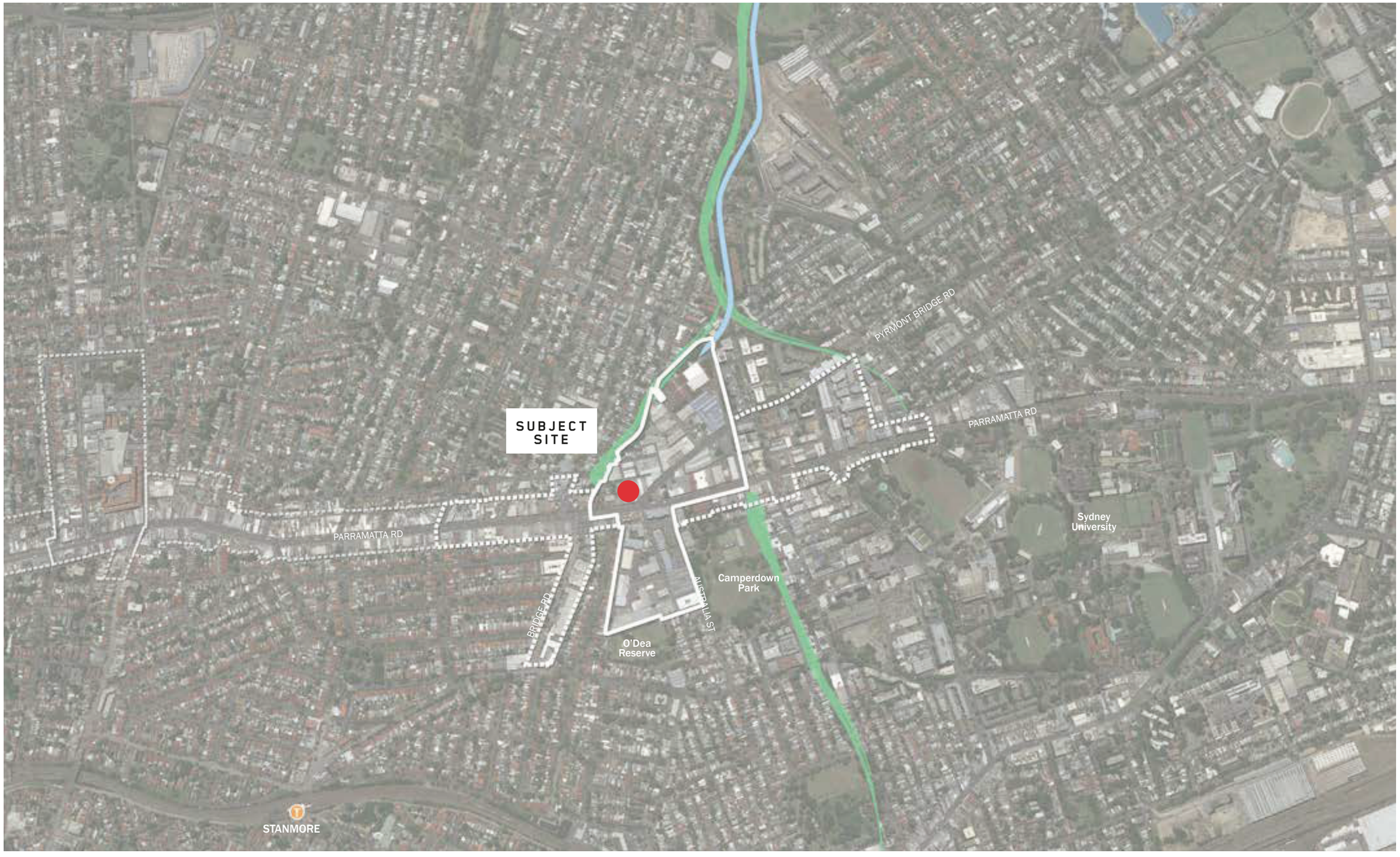
PARRAMATTA ROAD CORRIDOR



PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 7. URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

THE PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION STRATEGY

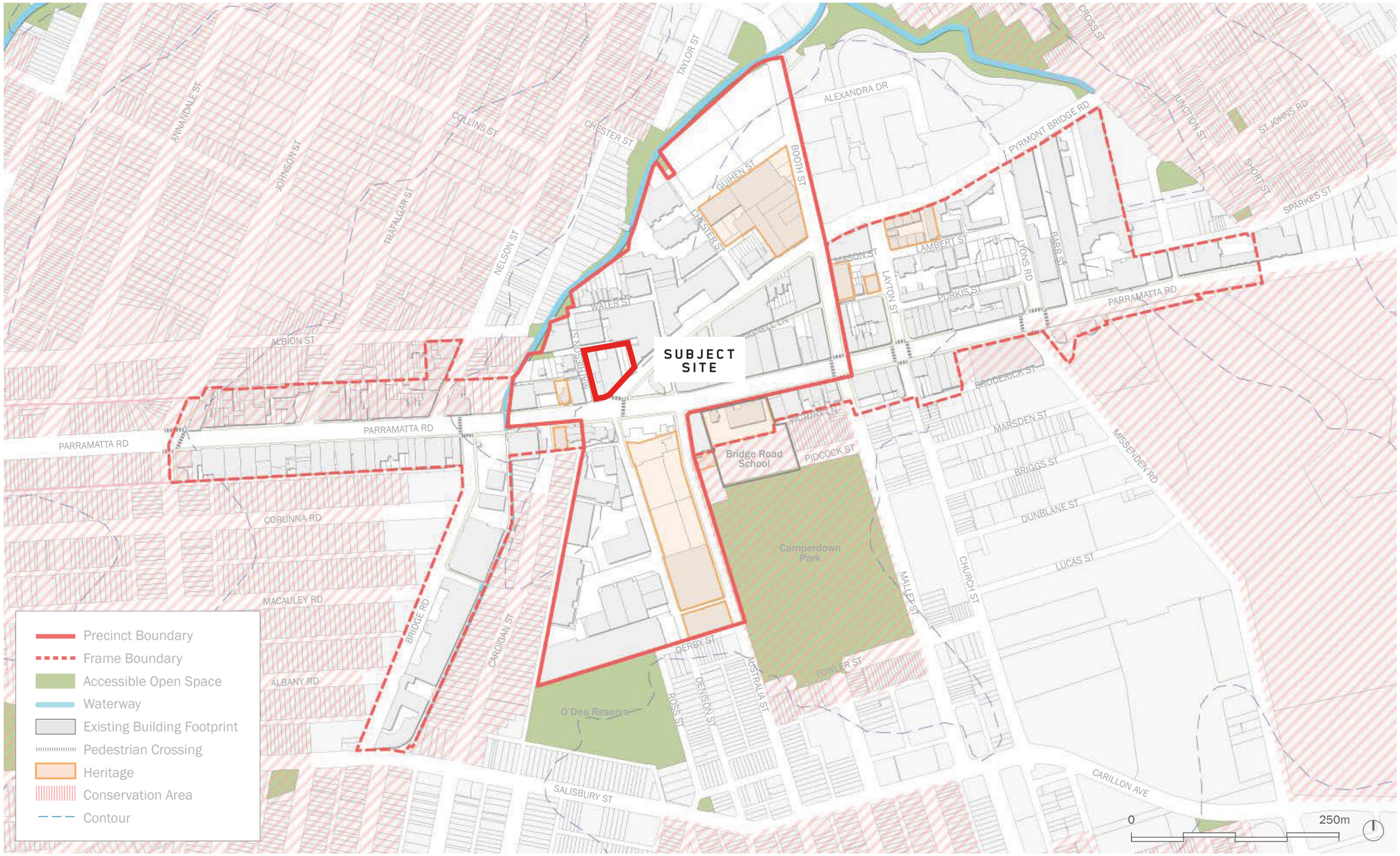
CAMPERDOWN PRECINCT LOCATION PLAN



PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 251. URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

THE PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION STRATEGY

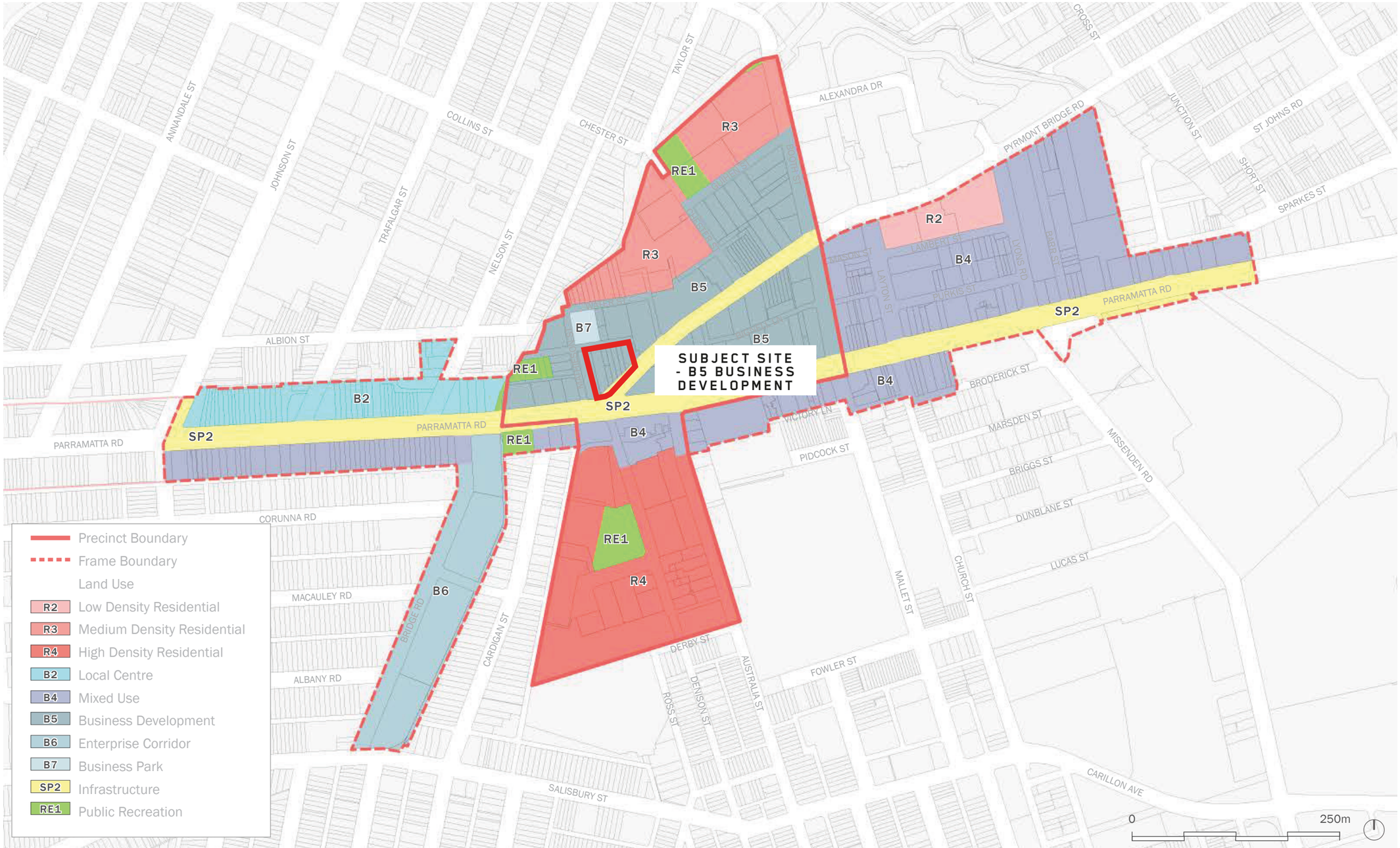
CAMPERDOWN CHARACTER AND IDENTITY



PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 253. URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

THE PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION STRATEGY

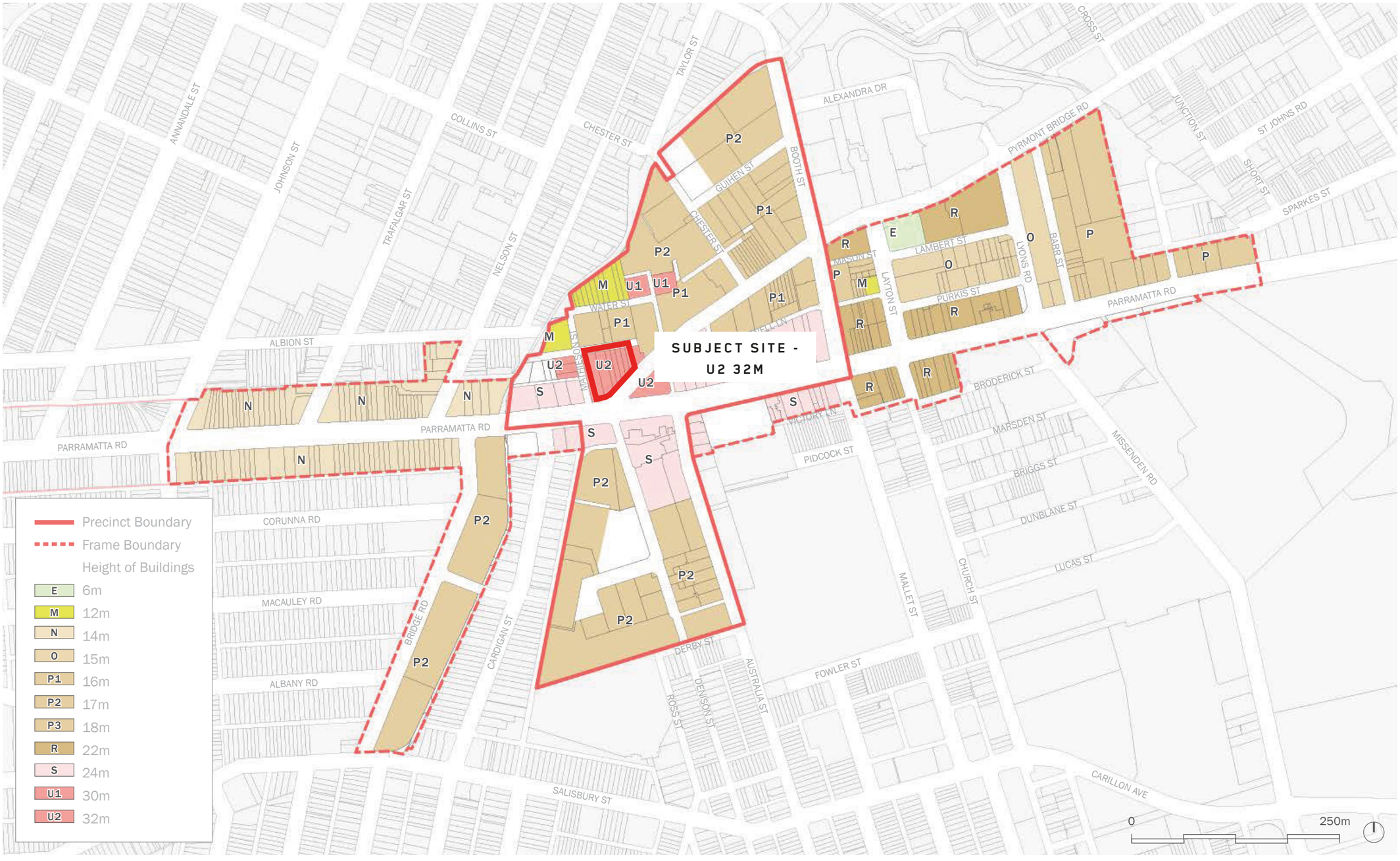
CAMPERDOWN RECOMMENDED LAND USES



PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 269. URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

THE PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION STRATEGY

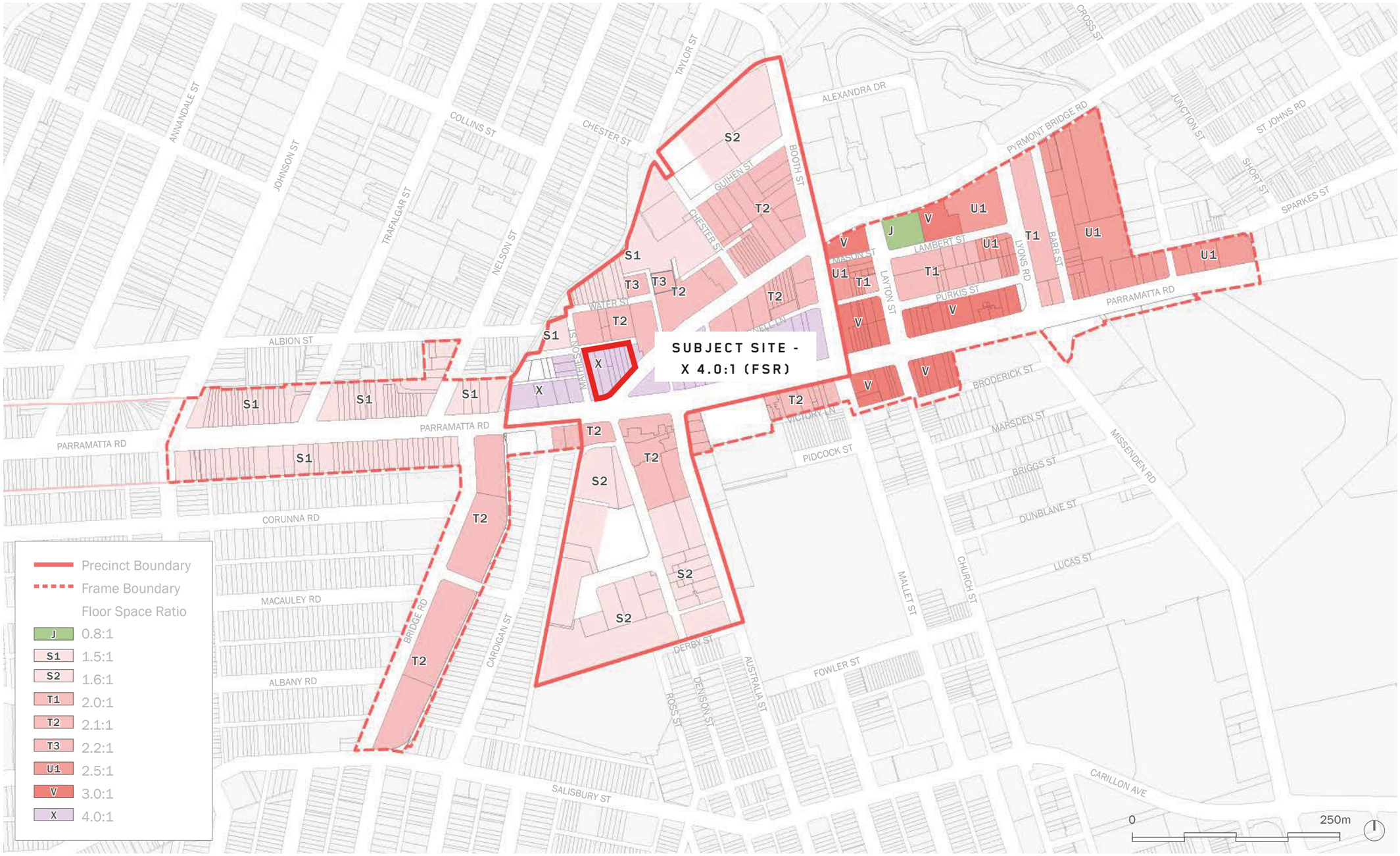
CAMPERDOWN RECOMMENDED BUILDING HEIGHTS



PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 271. URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

THE PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION STRATEGY

CAMPERDOWN RECOMMENDED DENSITIES (FSR)



PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 273. URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

THE CAMPERDOWN-ULTIMO COLLABORATION AREA

The Subject Site is located in the Camperdown Activity Node, with strategic objective to become a Health, Education, Employment 'Biotechnology Hub'

Figure 1: A Place Strategy for Camperdown–Ultimo



COLLABORATION AREA CAMPERDOWN-ULTIMO PLACE STRATEGY, PP 7. GREATER SYDNEY COMMISSION, FEBRUARY 2019

Growing a stronger and more competitive Harbour CBD is a priority under the Eastern City District Plan as are the international trade and transport gateways - Sydney Airport and Port Botany – all of which also contribute to the economic vitality of the Inner West LGA. The Harbour CBD includes Sydney CBD and an emerging Innovation Corridor on its western edge which extends south from The Bays Precinct through to Central Station and parts of Surry Hills (see Figure 33). The Innovation Corridor contains creative and digital industries and business support services that support the global competitiveness of the Harbour CBD.

The Camperdown-Ultimo Collaboration Area sits within the innovation corridor, including existing health and education institutions including the Royal Prince Alfred Hospital, TAFE NSW, University of Notre Dame, University of Sydney and University of Technology Sydney and one of the largest and most comprehensive health and education precincts within Greater Sydney. This area will develop an innovation ecosystem that specialises in education and health, science and technology, arts and creative enterprises, start-ups, research commercialisation and sustainable technologies. The continued development of the area will boost Greater Sydney's economic future and its national and international competitiveness.

The future for our employment and retail lands

The Strategy projections indicate that by 2036 the Inner West will need:

- An additional 300,000m² of gross floor area to accommodate industry and business in the employment lands

13.2 Ensure placed based planning guides the zoning and development of the Camperdown-Ultimo Collaboration area by undertaking the necessary studies and preparing a master plan supporting employment uses as the major focus, enabling the entire precinct to be a Low Carbon-High Performance precinct and establishing a biotechnology hub in Camperdown. This should include provision of public mass transit on dedicated lanes on Parramatta Road

short - medium term

13.3 Prepare Inner West LEP and DCP provisions to enable affordable spaces for medical innovation and research, as well as health services and other supporting uses, and safeguard these activities from unrelated commercial uses

short - medium term

13.4 Identify pilot projects for collaboration that maximise shared use of facilities

short - medium term

13.5 Work with Greater Sydney Commission to facilitate collaboration with key stakeholders and agencies to create a health and education precinct of international standing

short term

Parramatta Road Corridor

13.6 Implement the finalised housing, employment and transport strategies, and the Parramatta Road Corridor Transport Study, and prepare urban design / place based / open space studies to inform planning proposals to implement the *Parramatta Road Corridor Urban Transformation Strategy: Implementation Plan 2016-2023* and *Urban Amenity Improvement Plan*, subject to the provision of public mass transit being provided on dedicated lanes on Parramatta Road

short term

13.7 Collaborate with Parramatta Road Corridor councils to ensure planning for Parramatta Road is integrated across LGA boundaries

short - medium term

13.8 Prepare Parramatta Road Corridor local contributions plan to address funding of local infrastructure and services in the Corridor

short term

13.9 Seek a variation under the Section 9.1 Direction for the *Parramatta Road Corridor Urban Transformation Strategy* to retain the existing industrial land within the corridor and undertake further investigations to identify any additional variations required for the existing employment lands within the corridor.

short term

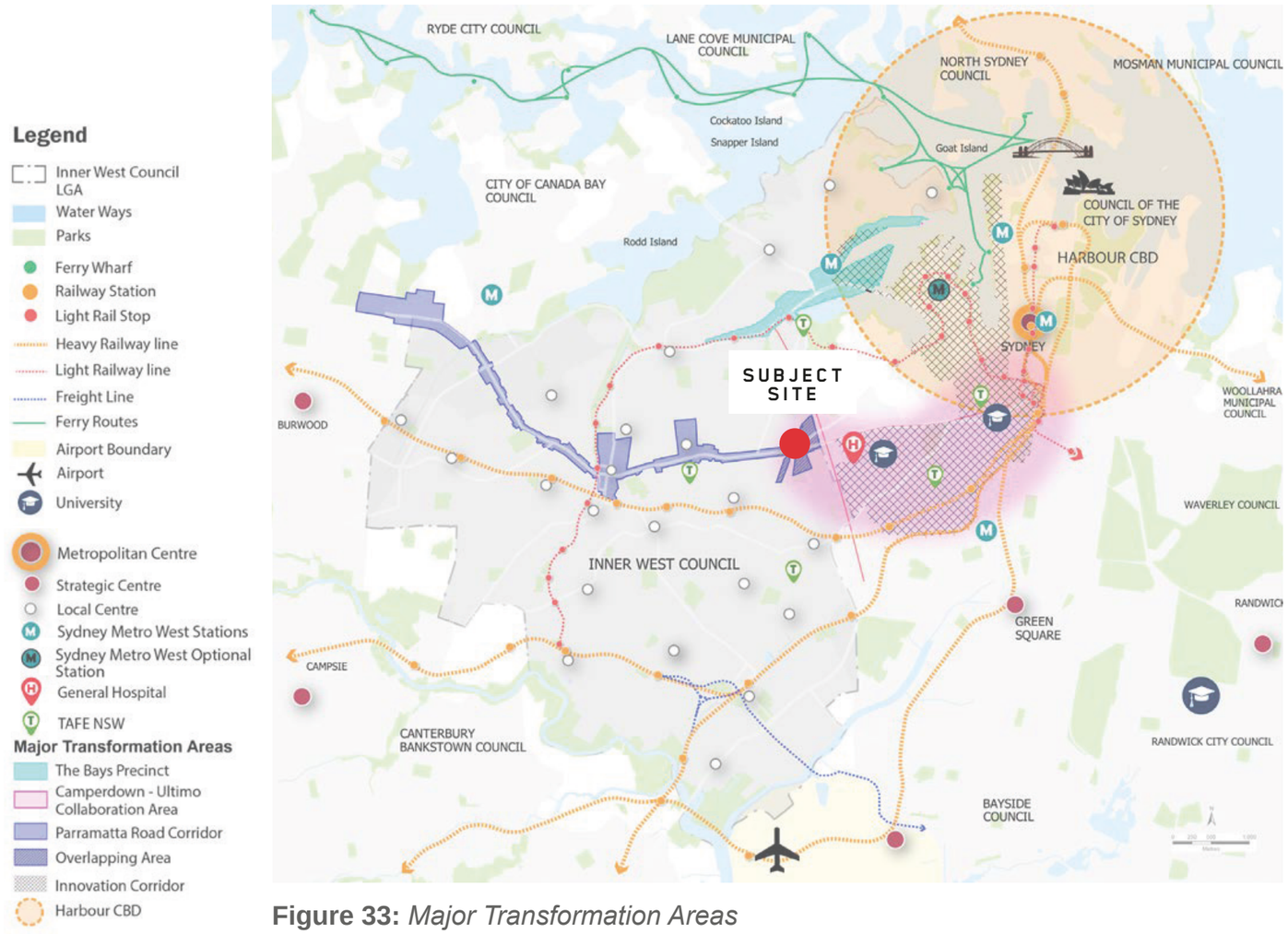


Figure 33: *Major Transformation Areas*

Strategy 3.3: Support the transition of Camperdown into a health, education and innovation precinct including a biomedical and biotechnology hub

The Camperdown industrial precinct is part of the Camperdown-Ultimo Collaboration Area identified by the Greater Sydney Commission. The close proximity of the precinct to the CBD, Sydney University and Royal Prince Alfred Hospital creates an opportunity to expand the research and knowledge based activities in the precinct.

The Greater Sydney Commission Camperdown Ultimo Collaboration Area Place Strategy Priority 8 is to "Support the role and function of employment lands". Actions under Priority 8 include safeguarding business zoned land from conversion to residential development, establishing a biotechnology hub and delivery of affordable space for innovation for tech start-ups, innovation, creative industries, cultural use and community uses.

Implementation of the priorities above will support the transition of Camperdown precinct into the health, education and biotech hub and research area recommended by Parramatta Road Corridor Urban Transformation Strategy and the measures recommended below will reinforce this policy objective.

A structure plan for Camperdown Precinct should be prepared to implement the productivity priorities of the Camperdown Ultimo Collaboration Area Place Strategy by protecting all employment zoned land in the Camperdown Precinct from unrelated residential or commercial land uses until the following actions are completed.

Action 3.3.1: Develop a structure plan for Camperdown Precinct to implement the productivity priorities of the Camperdown Ultimo Collaboration Area Place Strategy. (refer to Section 9.3.4 of Study).

Action 3.3.2: Continue working with the NSW Government and GSC to develop the area as a 'Health and Education Precinct.'

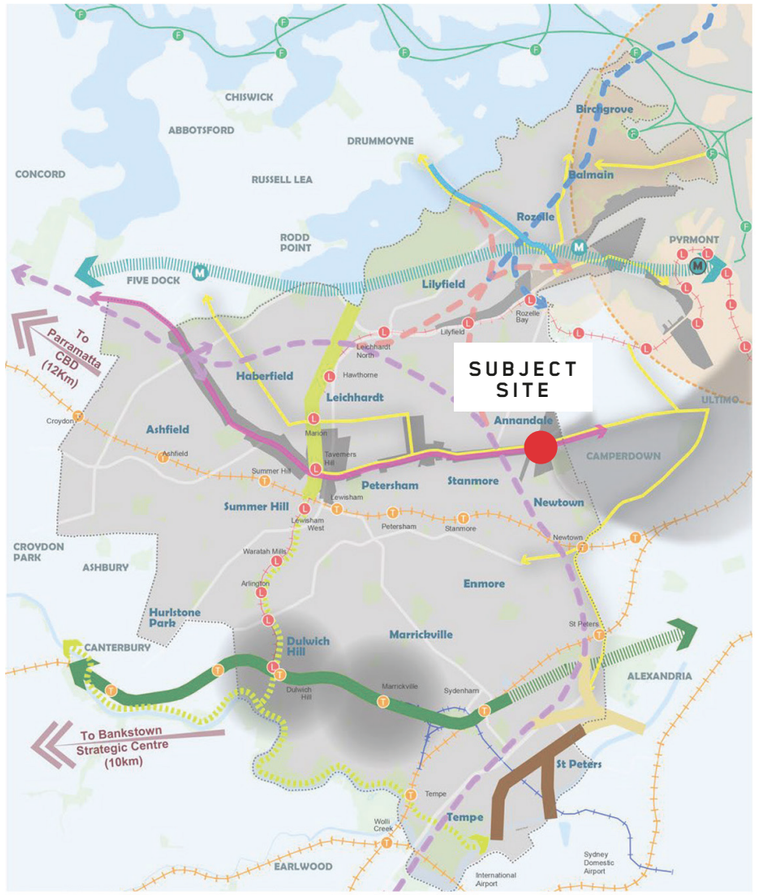
Action 3.3.3: Work with the Camperdown Ultimo Collaboration Area Alliance to ensure productivity and industry cluster growth outcomes are prioritised in the Camperdown Precinct.

Action 3.3.4: Work with NSW government and the Camperdown Ultimo Collaboration Area Alliance to redevelop the WestConnex construction site at Camperdown as a biotechnology hub.

Action 3.3.5: Implement prospective outcomes of the 2020 Camperdown Innovation Precinct Land Use and Strategic Employment Study and the associated Camperdown Structure Plan.

Action 3.3.6: Develop planning controls and policies to support the establishment of affordable spaces for medical innovation and research, health services and other ancillary uses in the Camperdown precinct.

Figure 4: Inner West Influences

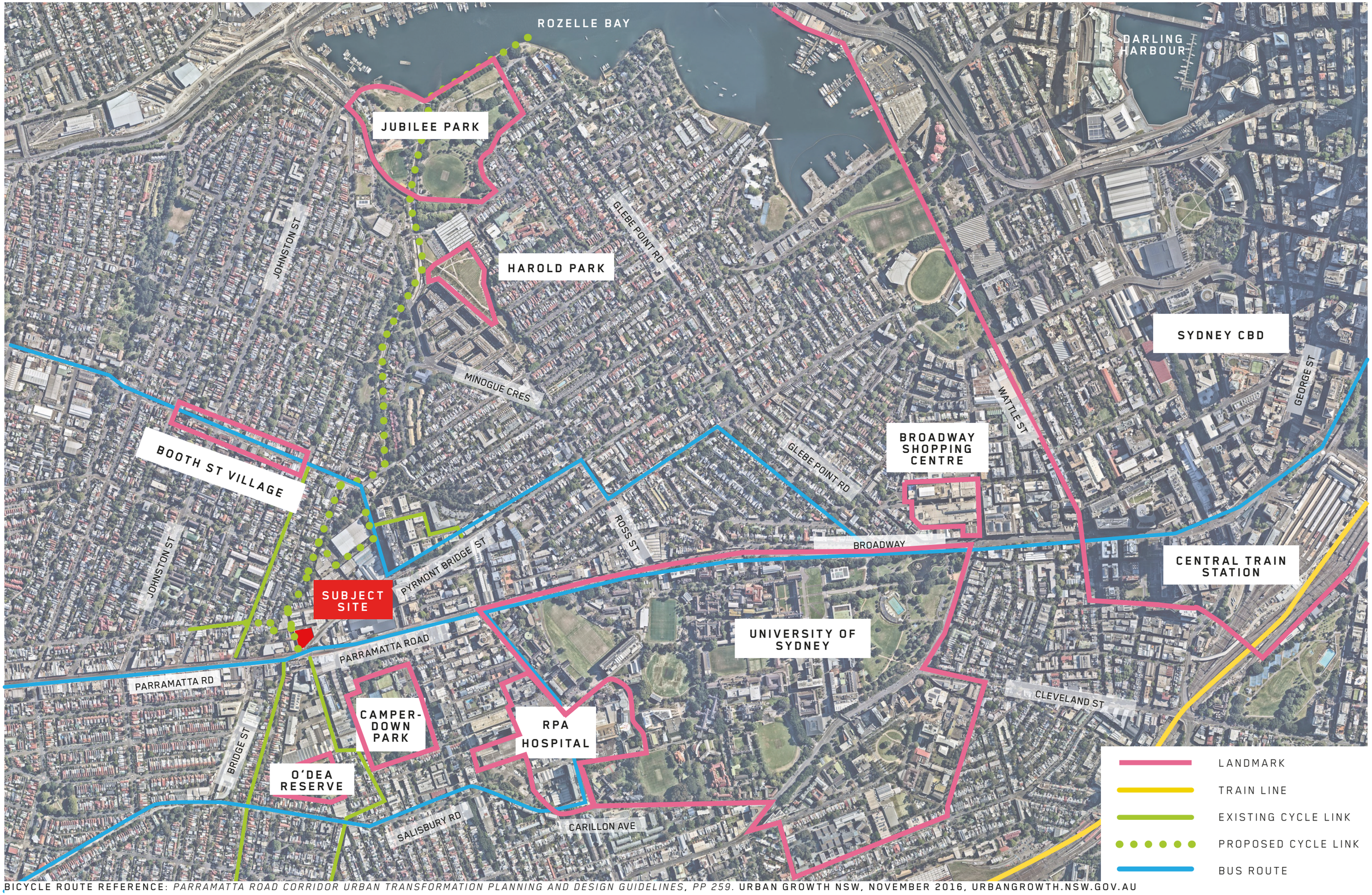


INNER WEST COUNCIL LOCAL STRATEGIC PLANNING STATEMENT, PP 18-19. GREATER SYDNEY COMMISSION, FEBURARY 2019

SITE CONDITIONS

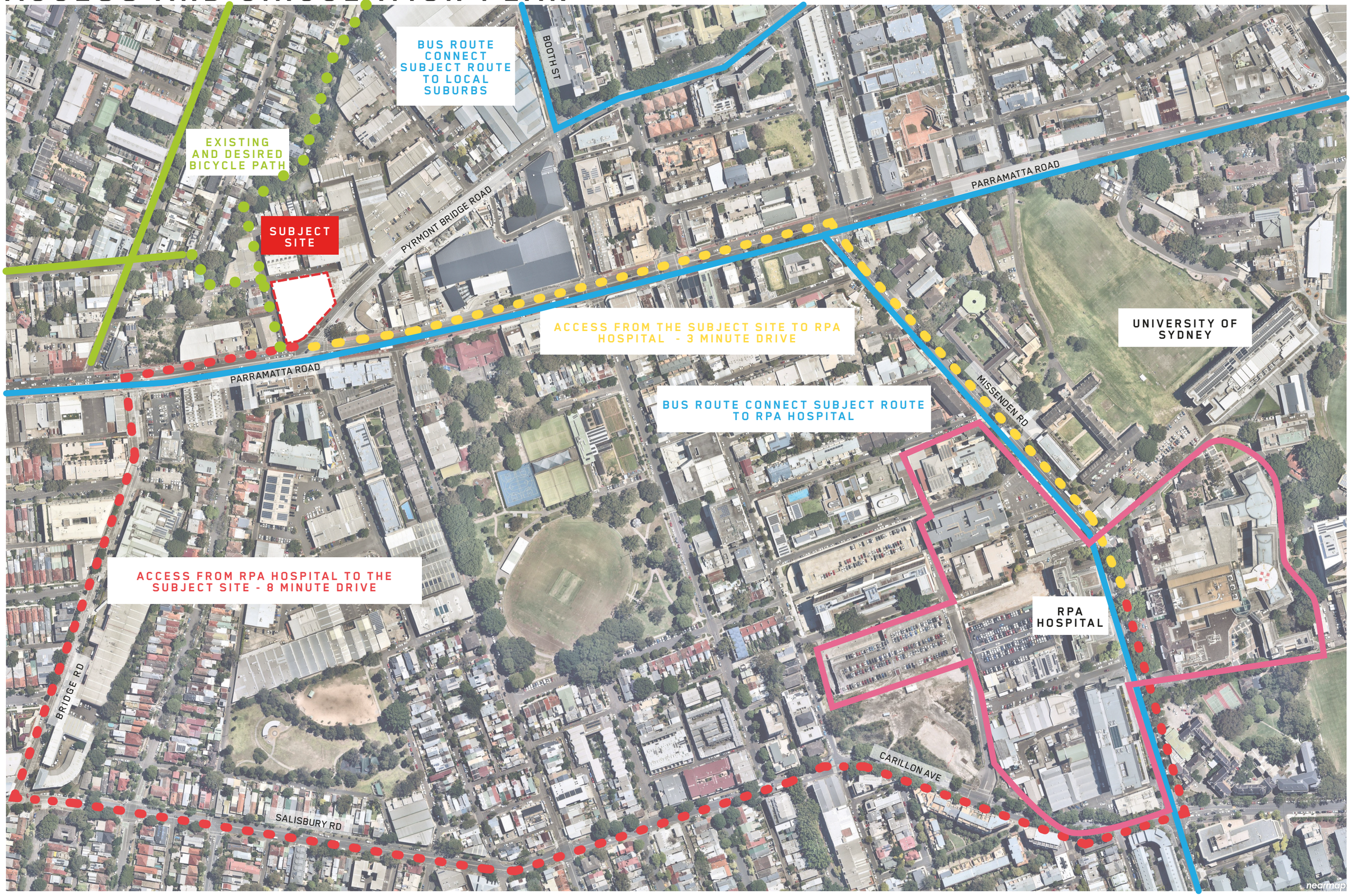
- context plans and photos

CONTEXT PLAN

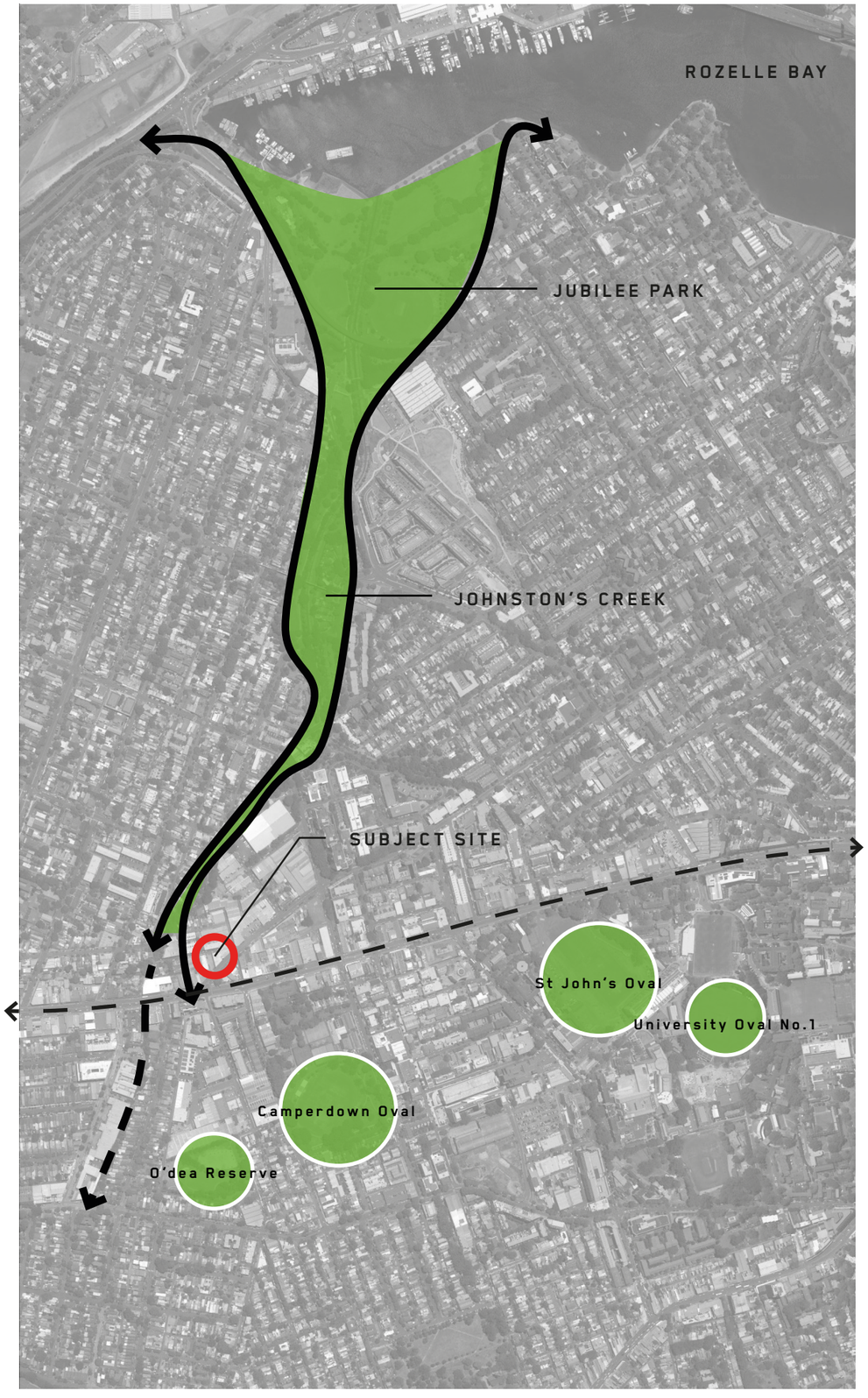


BICYCLE ROUTE REFERENCE: *PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 259.* URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

ACCESS AND CIRCULATION PLAN



GREEN SPACE


ROZELLE BAY
JUBILEE PARK
JOHNSTON'S CREEK
SUBJECT SITE
St John's Oval
University Oval No.1
Camperdown Oval
O'dea Reserve


'GREEN LUNG'
SUBJECT SITE
40 40
BUS LANE
BUS LANE

SITE PLAN


JOHNSTON'S CREEK
MATHIESON STREET
CAHILL STREET
SUBJECT SITE
PYRMONT BRIDGE ROAD
PARRAMATTA ROAD

SITE PHOTO - CONTEXT



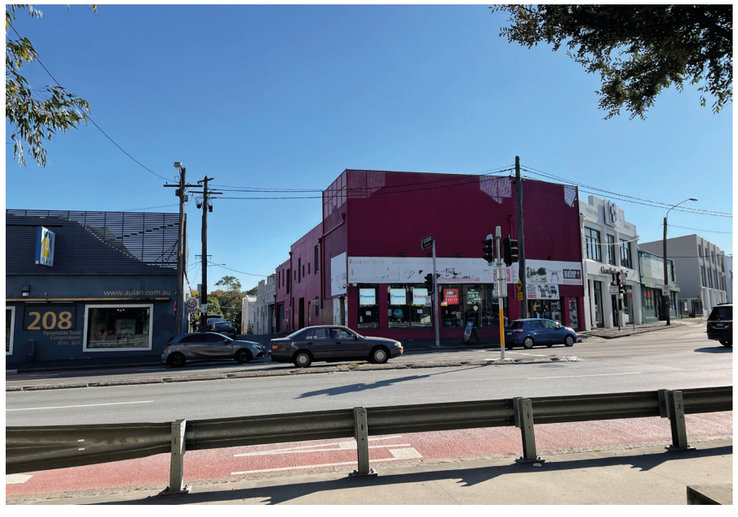
looking south down Pyrmont Bridge Road



view west down Cahill Street



industrial-residential building on Parramatta Road



Mathieson Street and Parramatta Road



public reserve off Johnston's Creek



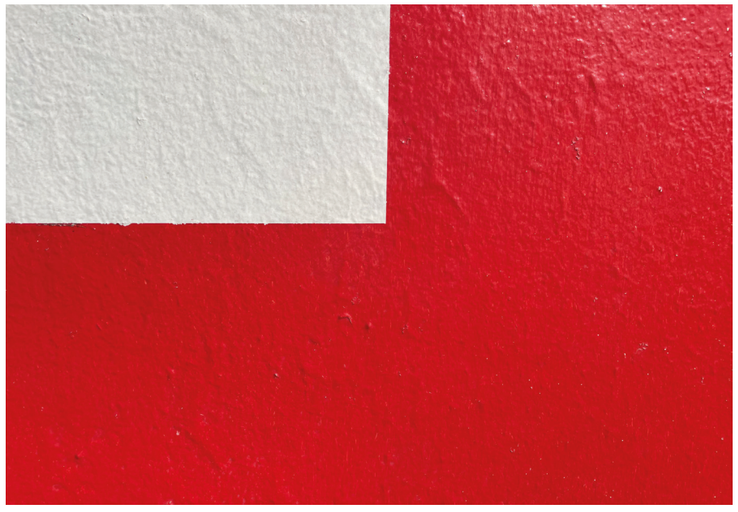
concrete gully along Johnston's Creek

SITE PHOTO - CHARACTER









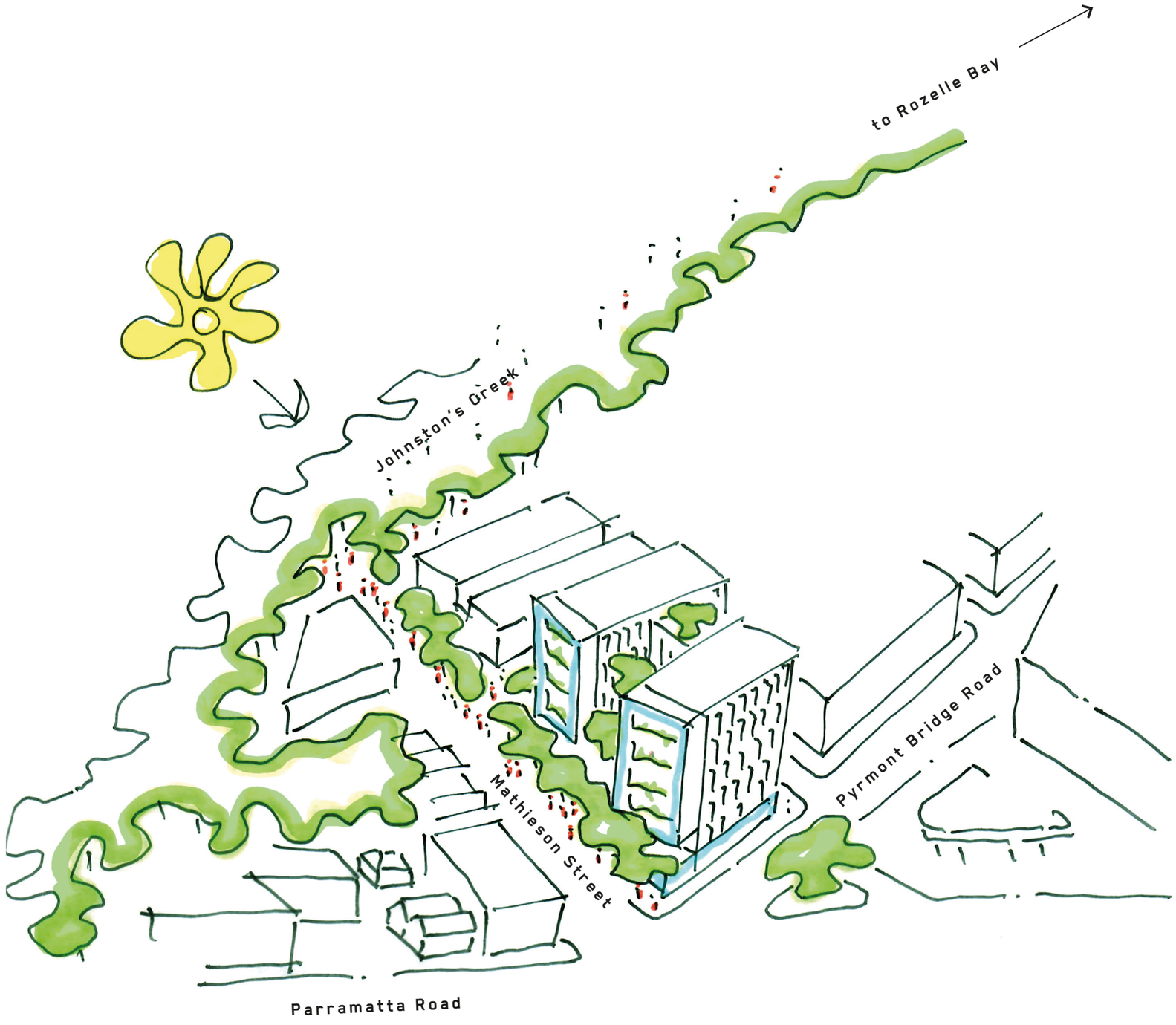




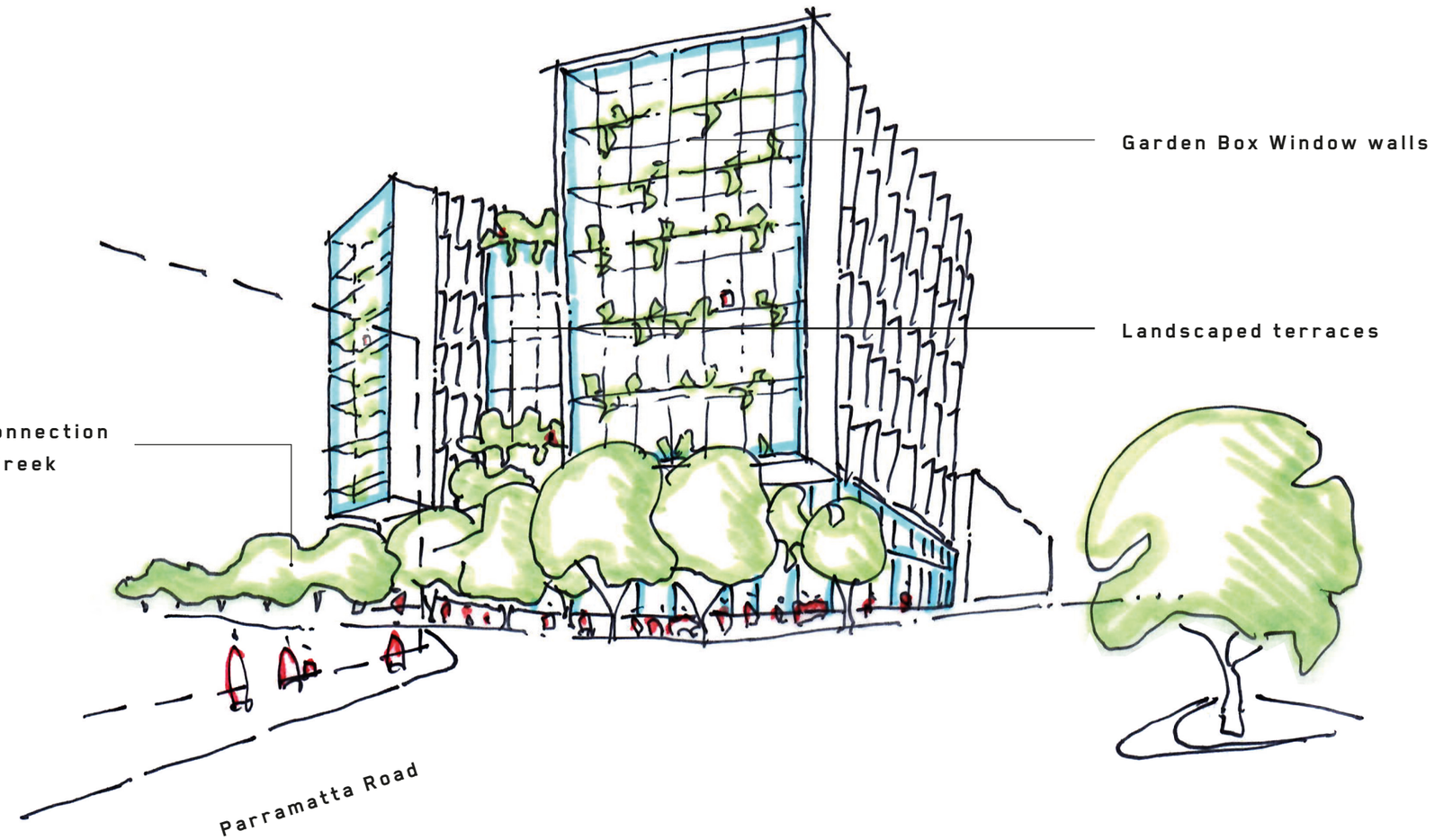
DESIGN DIRECTION

- sketch plans and models

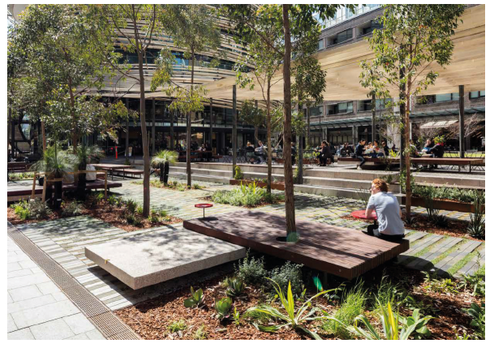
SKETCH VIEWS



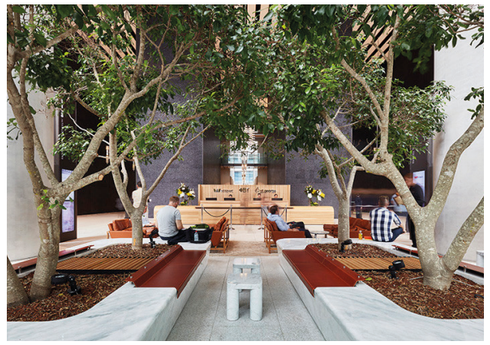
SKETCH VIEWS

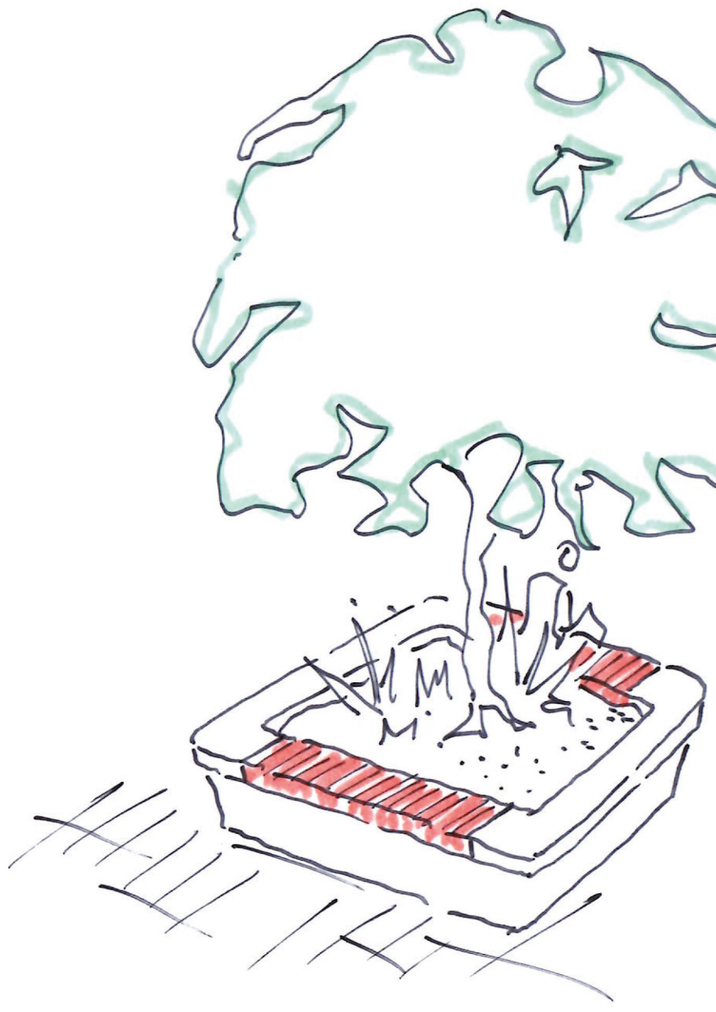


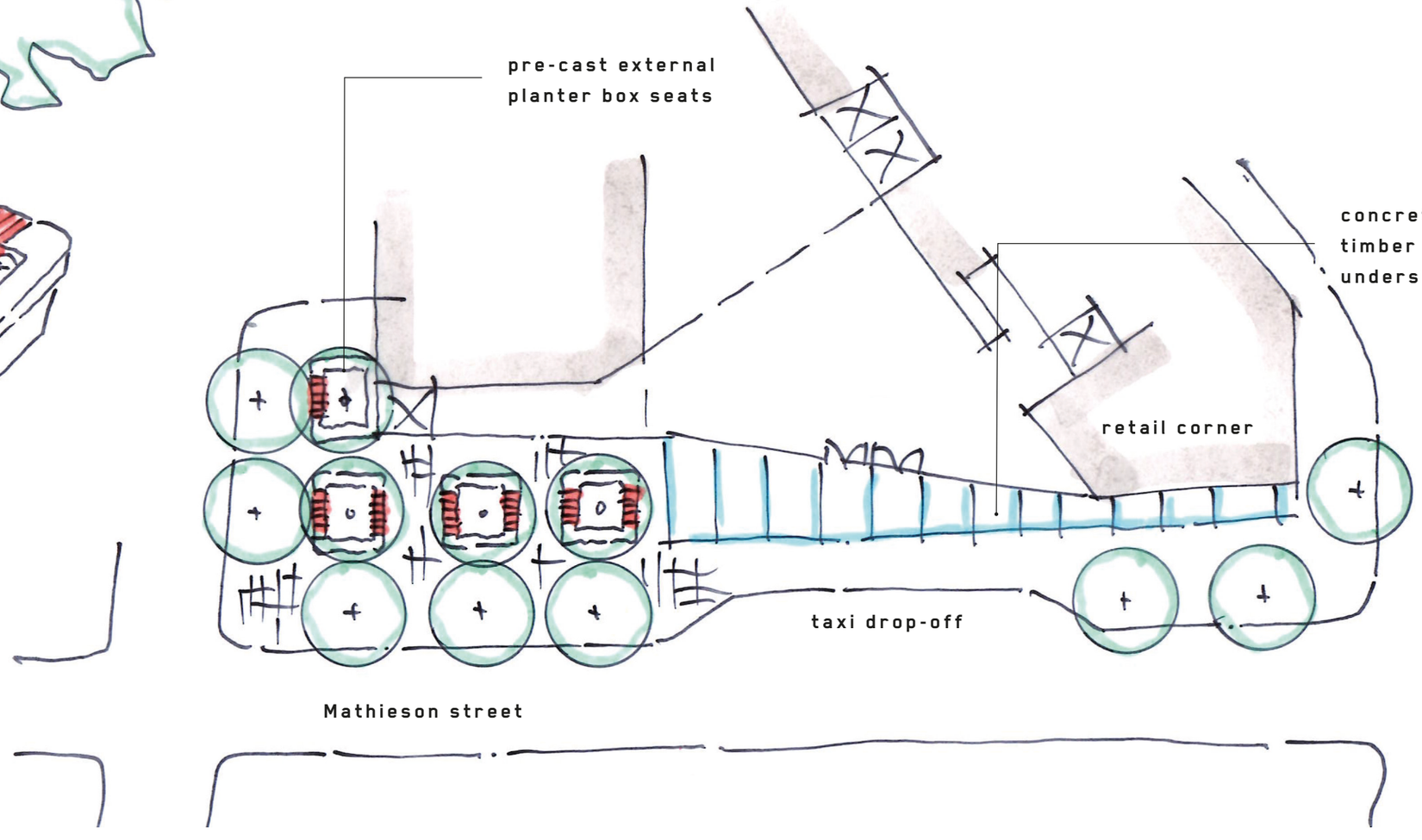
PUBLIC DOMAIN LANDSCAPE











VISUALISATION



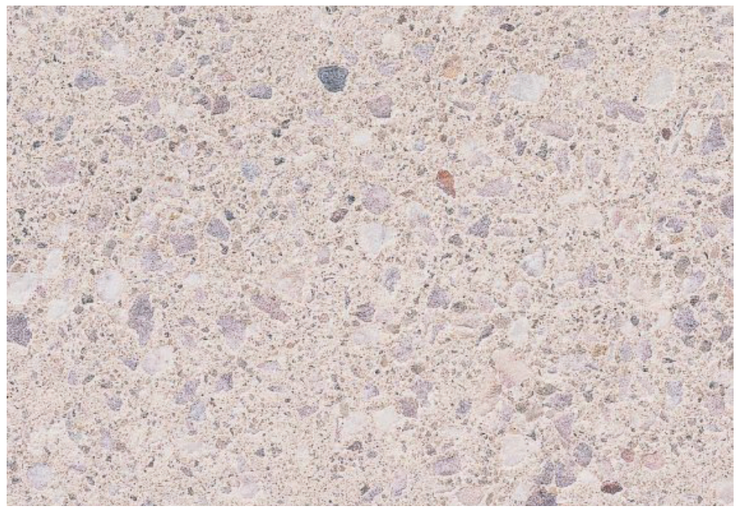
MATERIAL PALETTE



1 double skin glazed facade to garden boxes



2 copper finish to sun-shading fins



3 pre-cast finish to garden box frames + planters



4 deep bronzed mullions to podium facade



5 Bronze framed retail shopfronts



6 draped planting to rear face of garden boxes

MATERIAL PALETTE

Material application indication, to be read in conjunction with previous page.



1 + 6

2

3

5



1 + 6

4

2

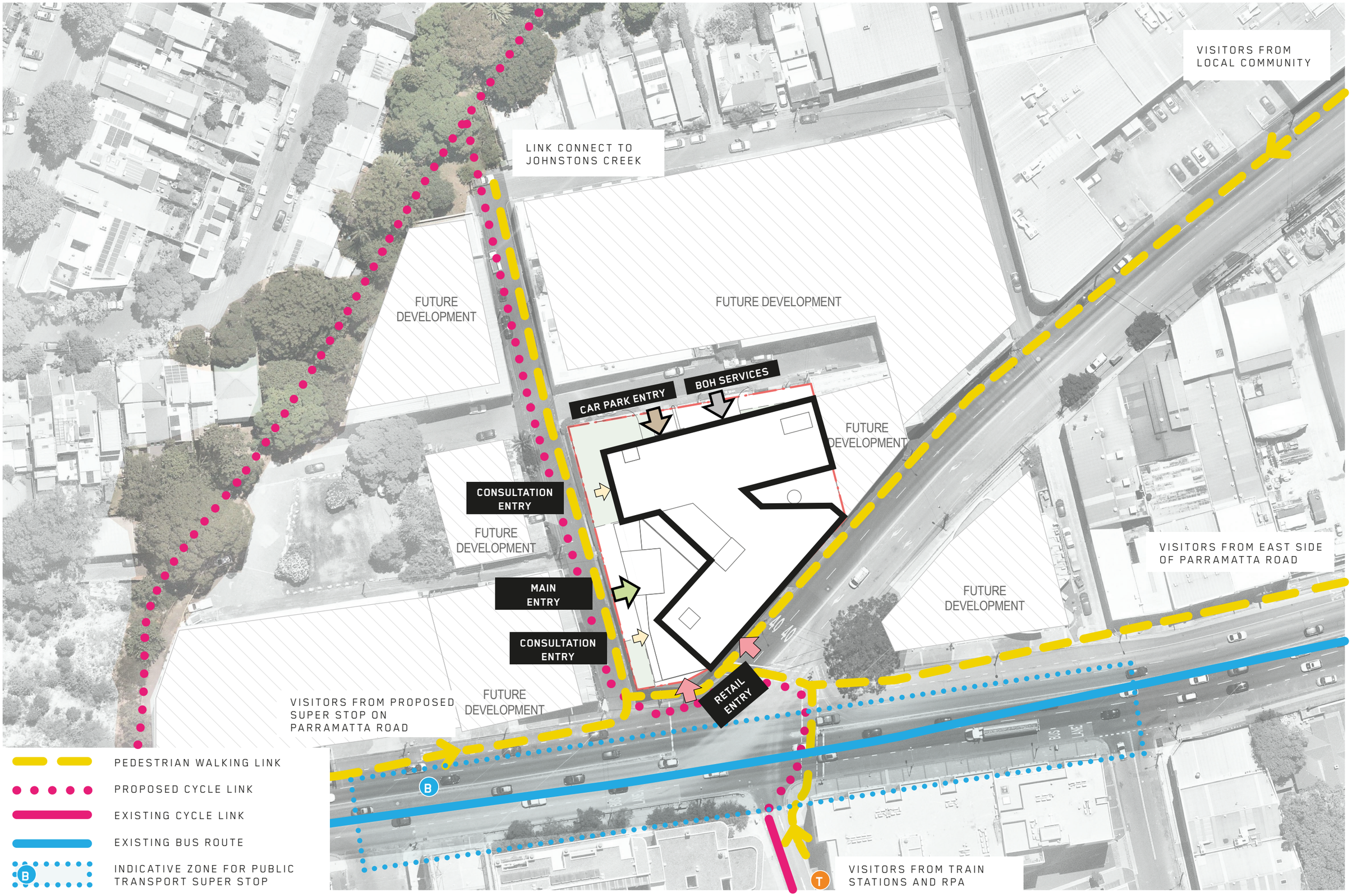
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5

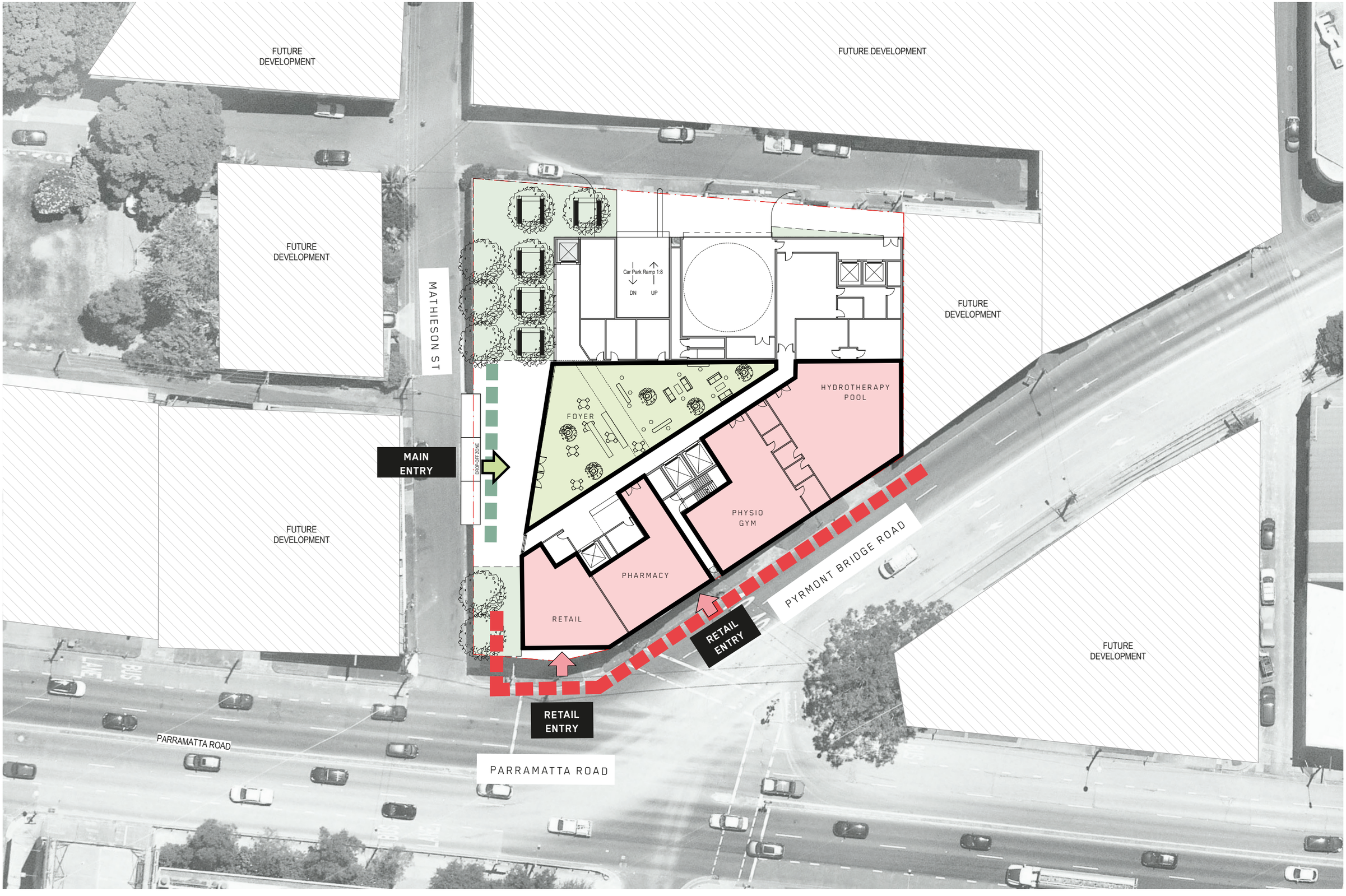
URBAN DESIGN

- diagrams

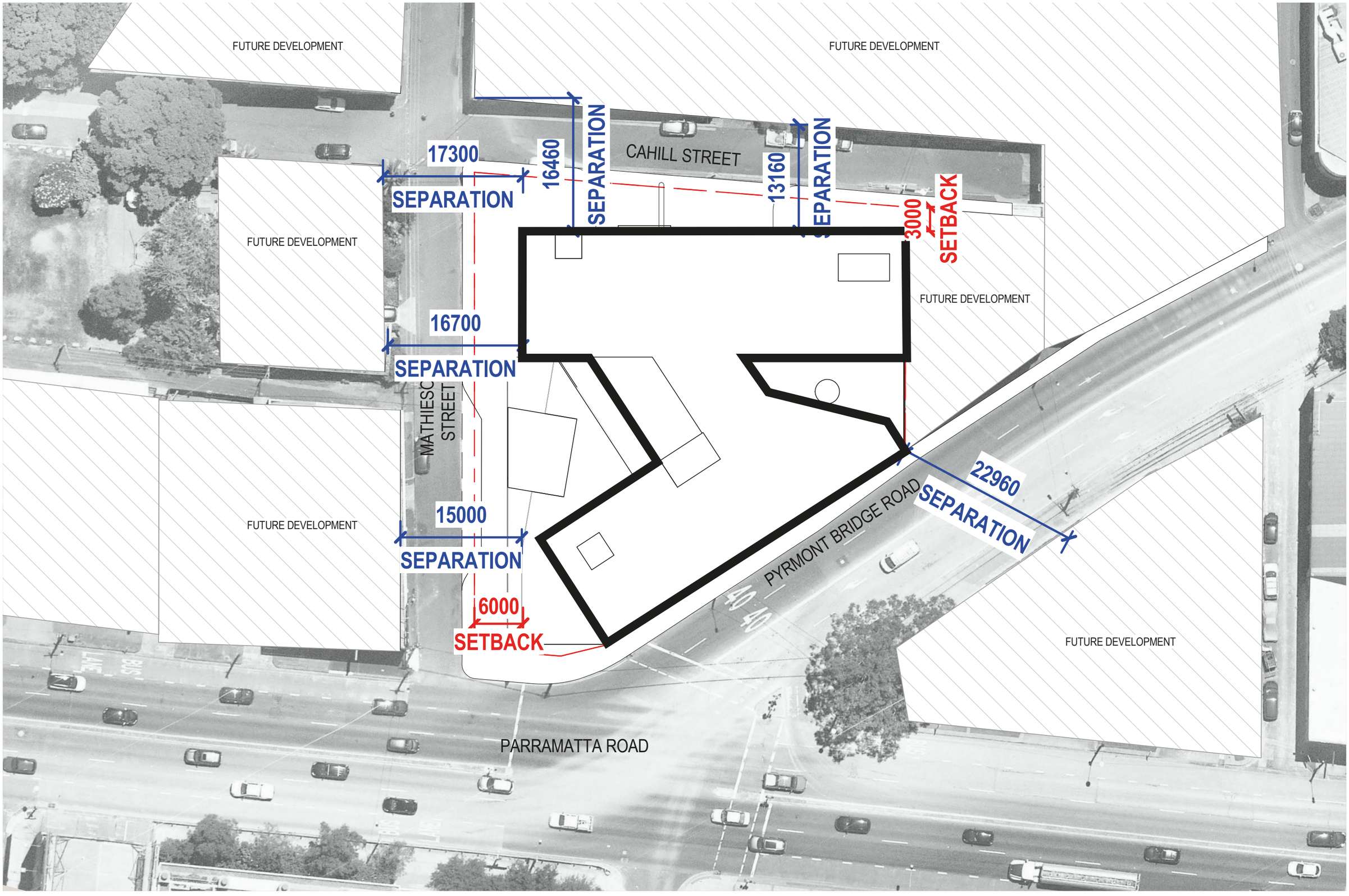
ACCESS AND CIRCULATION PLAN



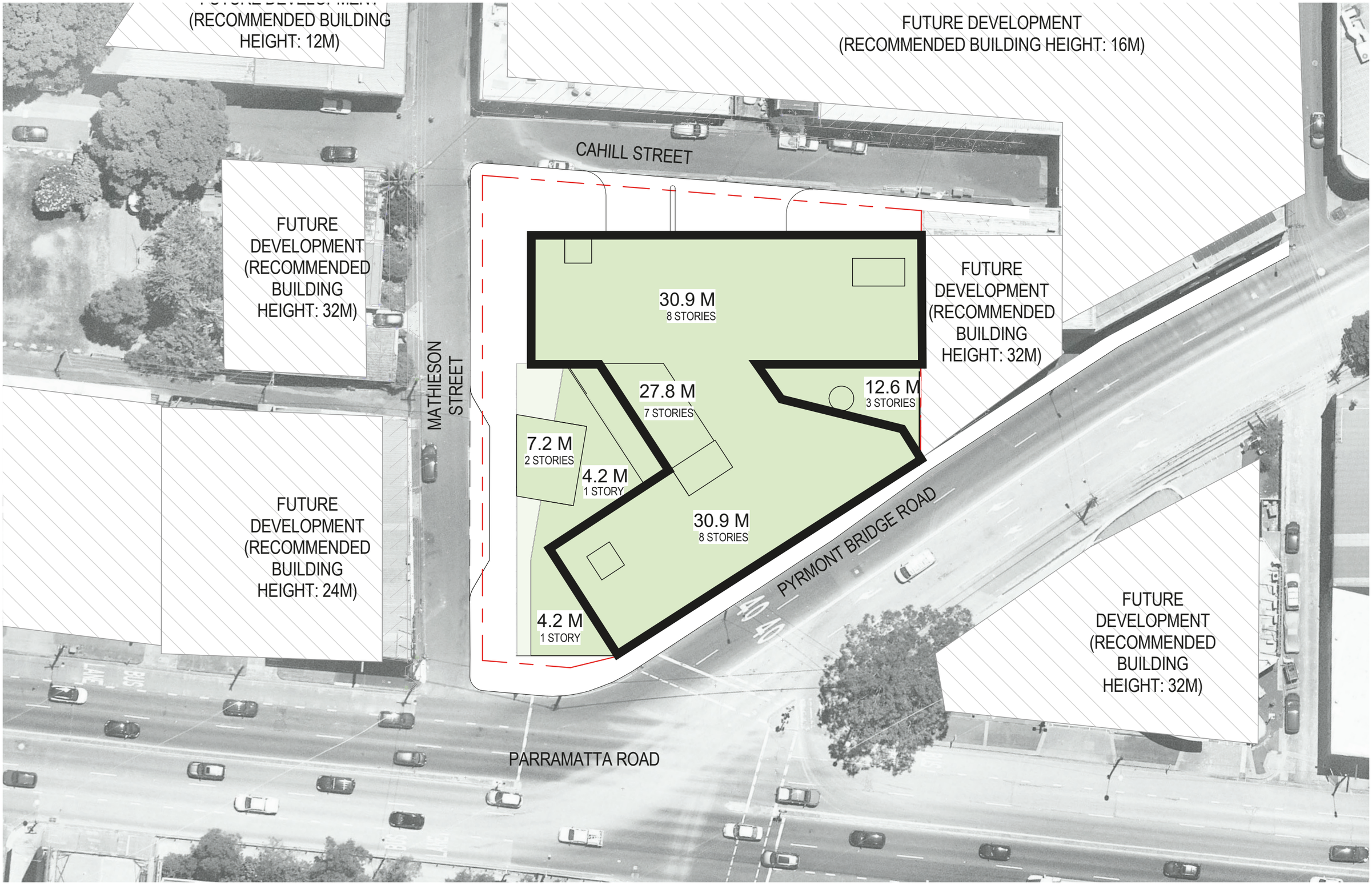
STREET ACTIVATION / GROUND FLOOR LAYOUT



BUILDING SETBACK AND SEPARATION PLAN



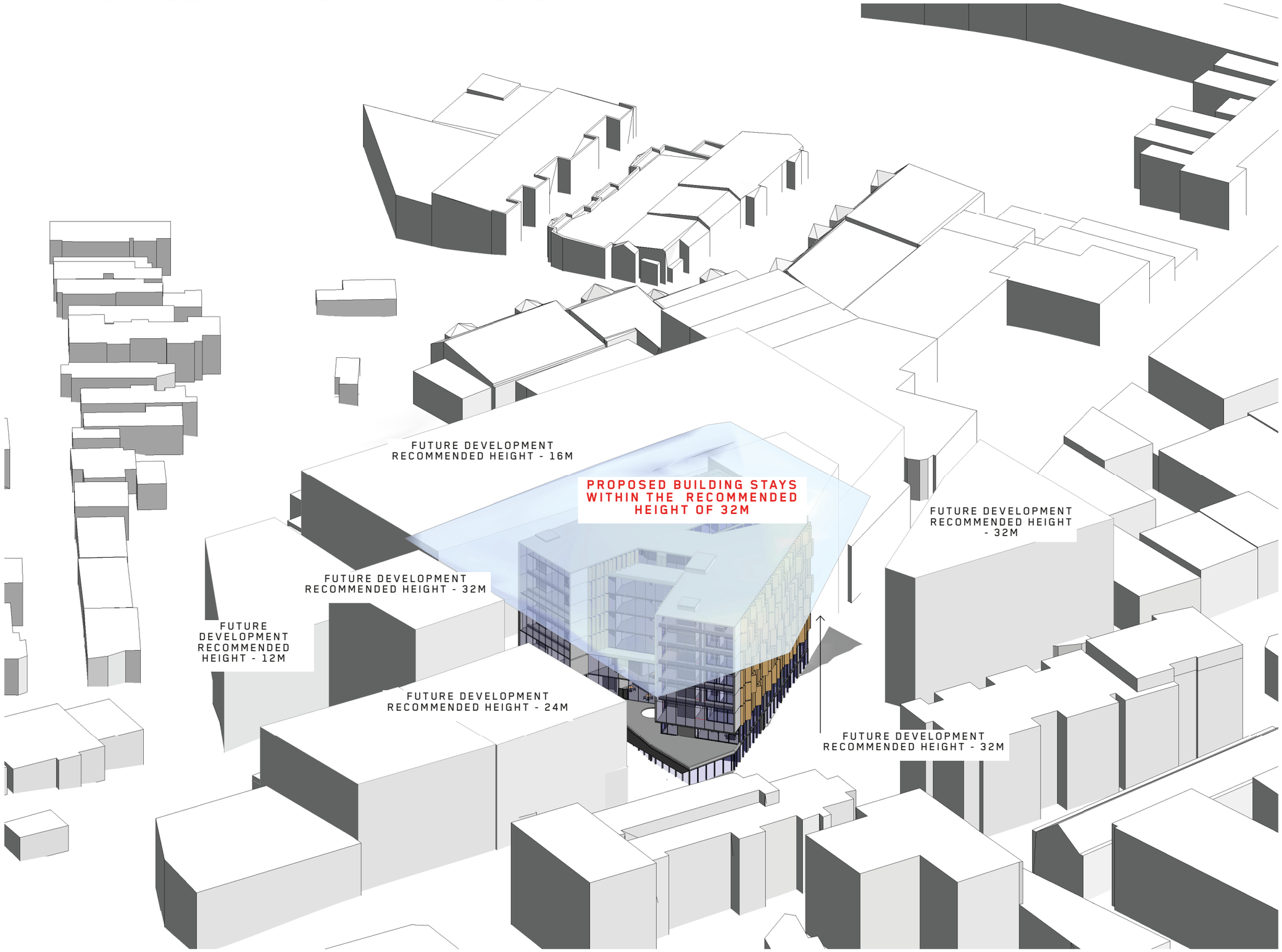
MAXIMUM BUILDING HEIGHTS PLAN



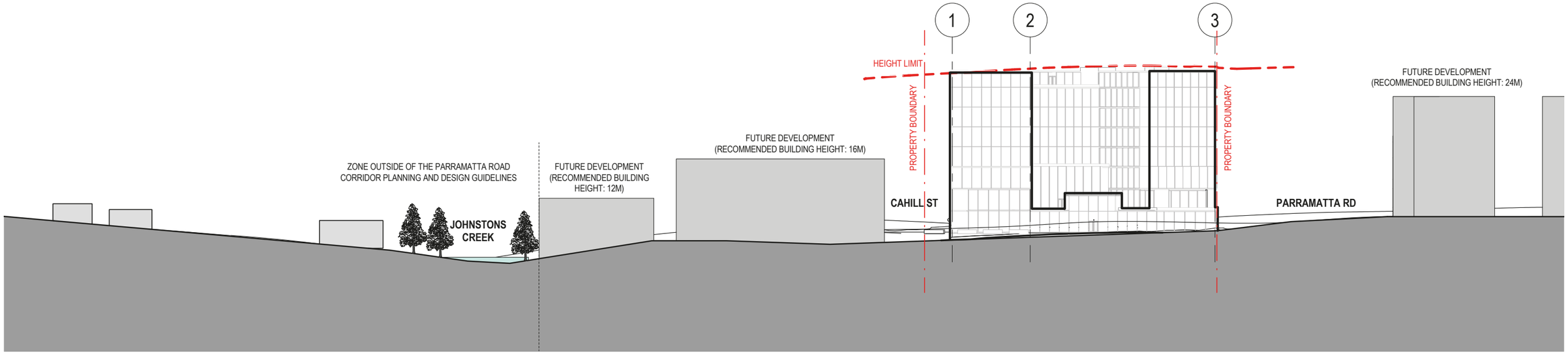
BUILDING HEIGHT REFERENCE: *PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 271.* URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

BUILDING SETBACK REFERENCE: *PARRAMATTA ROAD CORRIDOR URBAN TRANSFORMATION PLANNING AND DESIGN GUIDELINES, PP 56.* URBAN GROWTH NSW, NOVEMBER 2016, URBANGROWTH.NSW.GOV.AU

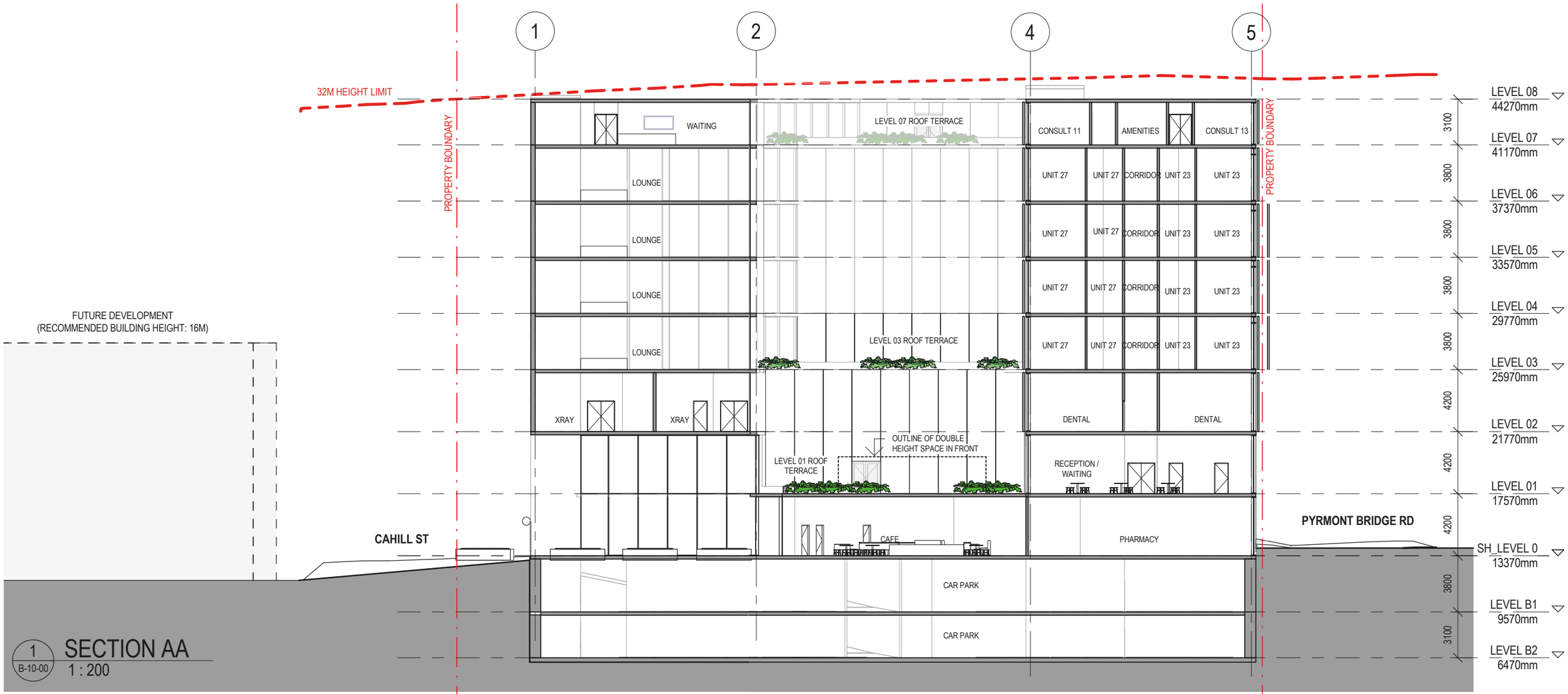
MAXIMUM BUILDING HEIGHTS 3D DIAGRAM



SITE SECTION - NORTH SOUTH

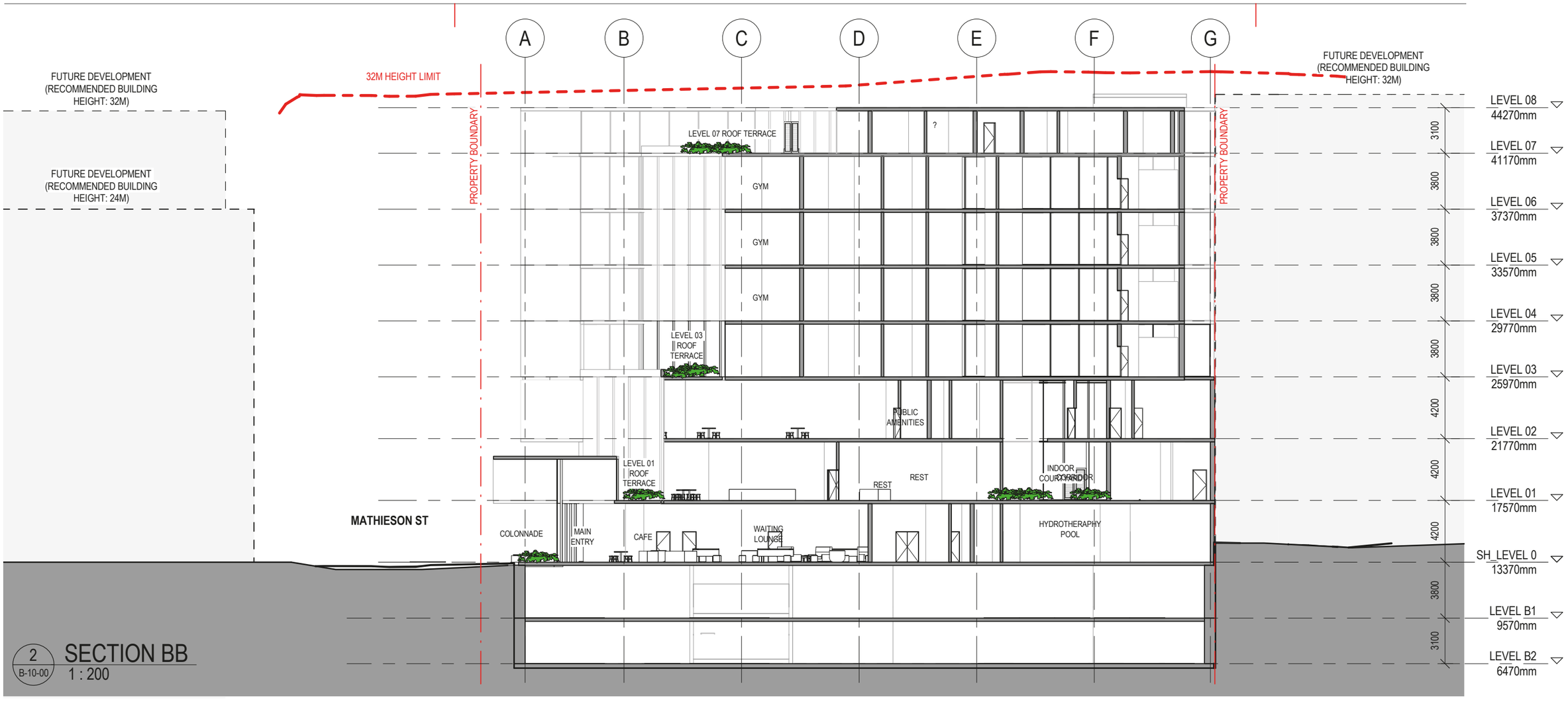


SECTION - NORTH-SOUTH



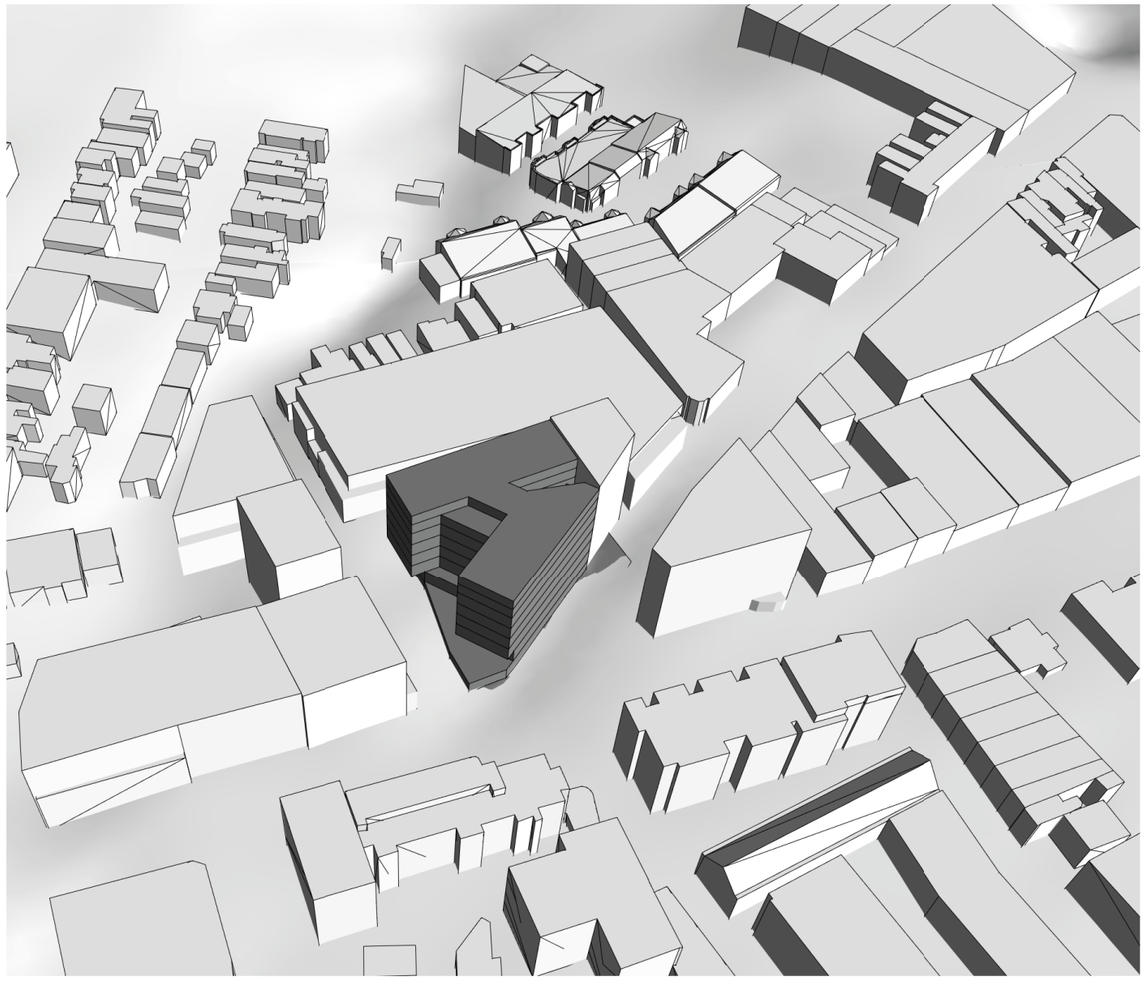
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SECTION AA
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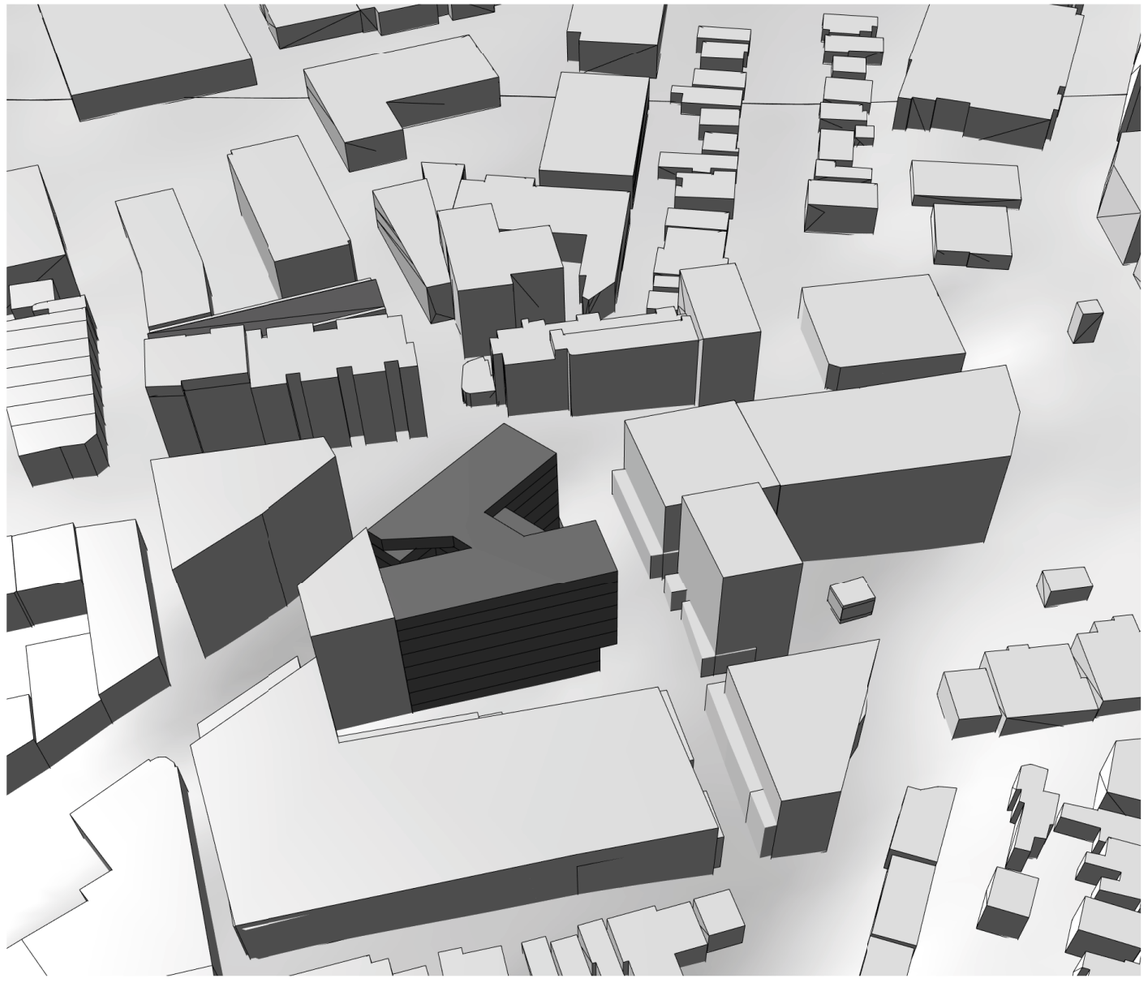
SECTION EAST-WEST



2
B-10-00
SECTION BB
1 : 200

BUILDING MASSING STUDY

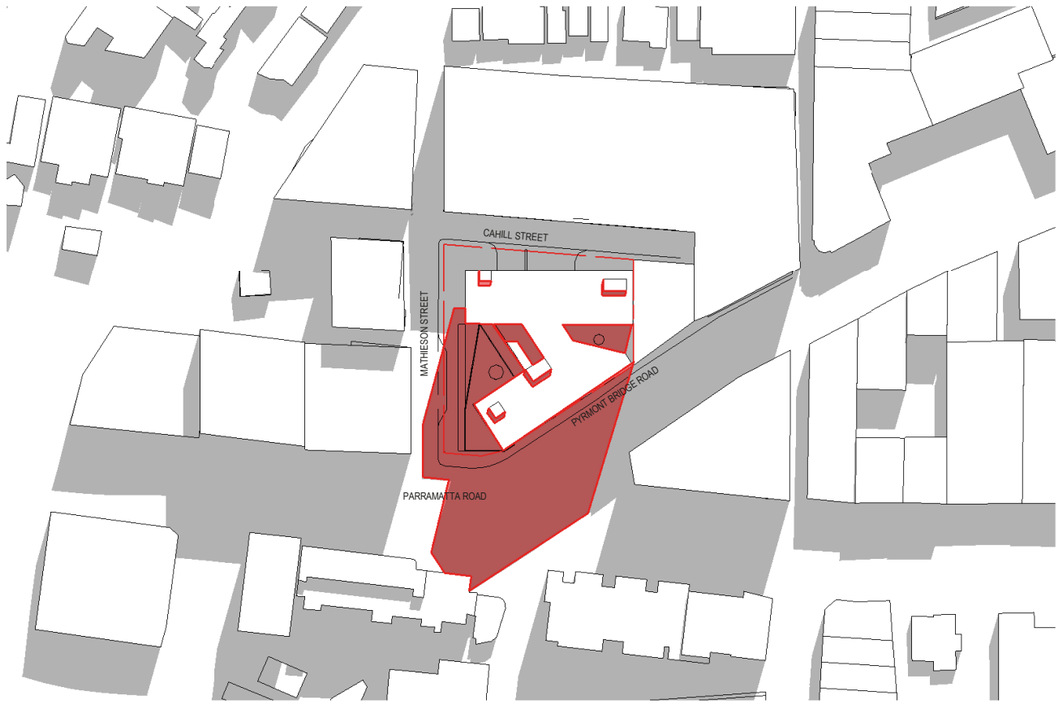




SOLAR STUDY



1 Shadow Diagram 9am Jun 21



2 Shadow Diagram 12pm Jun 21



3 Shadow Diagram 3pm Jun 21

DESIGN EXCELLENCE

- aspirations and previous awards

DESIGN EXCELLENCE STATEMENT

The subject site is located at the intersection of Parramatta Road and Pyrmont Bridge Road which has a prominent presence in the local context.

The proposed design would strive to achieve design excellence and to contribute to the new enhanced Parramatta Road experience.

In order to achieve the goal, some key principles have been set out as a guideline, which are derived from the aspirations set out in the *design guideline Parramatta Road Corridor Urban Transformation Planning and Design Guide.*

These key principles aims to create a place that provides:

- Human-centred experience
- Sustainability
- Community contribution



HUMAN CENTRED EXPERIENCE

The Medical Facility aims to provide and promote a healing, health promoting place which would not only serve the patients, but also contribute to the experience of staff and visitors.

The exterior of the space is designed to break down the massing of the building into a scale that is more relatable to human experience. This methodology provides a smaller floor plate which offers clearer internal circulation and better access to daylight.

The interior of the space would also be designed with human experience as one of the top-priorities. Natural material with warm tones like timber would be applied to provide a harmonious, stress-free user experience, for patients, staff and visitors alike.

A pleasant pedestrian experience, access to outdoor spaces and acknowledgement of human scale would all be emphasized as the project move forward.



SUSTAINABILITY

Sustainability would be a key driver for the project. Facade elements such as sun-shading, insulation, and material selection would be considered in the context of the overall energy performance of the building.

The main entry facade is west facing. Whilst it presents thermal challenges, our project has approached it as good opportunities. By introducing sunshading on this facade, the heat gain in late afternoon would be reduced significantly. The sun shading elements can also serve as a feature of the building. This facade also features indoor planting which both softens the harsh afternoon sun as well as creates a healing environment.

The next phase of the project presents exciting opportunities to embody some innovative engineering solutions. Potential of using local, renewable and recycled materials would also be explored to optimize the energy efficiency during construction.

Grid layout, core design, services reticulation and floor to floor heights will all be designed for future flexibility, providing an element of resilience into the design and ensuring it remains relevant well into the future.



COMMUNITY CONTRIBUTION

The proposal of putting a Medical Facility on the subject site utilizes its proximity with RPA. This also offers great job in keeping with the housing growth in the local area.

The site is of great adjacency to Johnstons Creek to the north which continues into Jubilee Park and Rozelle Bay. This context has been recognised as a great opportunity. As well-designed landscape elements get incorporated into the subject site,the existing green spine could extend from the waterfront onto Parramatta Road.

This approach would also assist in creating public domain on site and making it a local landmark, which would extending the contribution of the building towards the entire local community.

BVN - AWARDS RECEIVED IN HEALTH AND SCIENCE



UNIVERSITY OF SOUTH AUSTRALIA CANCER RESEARCH INSTITUTE

Location: North Terrace, SA

Total Project Value: $250,000,000

Typology: Health & Science, Education

The UniSA Cancer Research Institute houses a new Centre for Cancer Biology (CCB), the University of South Australia's School of Pharmacy (PMB) and a major science public outreach initiative MOD - Museum of Discovery. The building consists of 12 levels plus a mezzanine, lower ground, basement and rooftop plant.

Awards:

Australian Institute of Architects National Award for Interior Architecture

Australian Institute of Architects National Commendation for Sustainable Architecture

Master Builders Association Excellence in Work, Health and Safety

Australian Institute of Building (AIB) Professional Excellence Awards 50m+

Australian Institute of Architects SA Chapter The Jack McConnell Award for Public Architecture

Australian Institute of Architects SA Chapter Interior Architecture Award

Australian Institute of Architects SA Chapter Sustainable Architecture Award



CSIRO BLACKMOUNTAIN CONSOLIDATION PROJECT

Location: Acton, ACT

Total Project Value: $110,000,000

Typology: Health & Science, Workplace

BVN was appointed as the principal design consultant for the CSIRO Black Mountain Consolidation Project. BVN's engagement extended to the entirety of the project across two phases, including new building, four-building refits and various demolitions to consolidate CSIRO's staff from leased sites within Canberra to the Black Mountain site, which CSIRO owns.

Awards:

Australian Institute of Architects National Award for Sustainable Architecture

Australian Institute of Architects ACT Chapter The Roman Giurgola Award for Public Architecture

Australian Institute of Architects ACT Chapter The Derek Wrigely Award for Sustainable Architecture

Australian Institute of Architecture ACT Chapter Interior Architecture Award

INDE.Awards The Work Space Winner



THE BRAGGS, UNIVERSITY OF ADELAIDE

Location: Adelaide, SA

Total Project Value: $95,000,000

Typology: Health & Science, Education, Interiors

The Braggs houses the Institute for Photonics and Advanced Sensing (IPAS) and an undergraduate teaching facility at the University of Adelaide. It incorporates both research, and undergraduate laboratories, and a 420 seat lecture theatre. The central philosophy of the building is to enable researchers from different scientific disciplines to come together to enable a transdisciplinary approach to research.

Awards:

Property Council Australia - SA Development of the Year

The Australian Institute of Architects The Jack McConnell Award for Public Architecture (SA)

The Australian Institute of Architects National Commendation for Public Architecture



THE KINGHORN CANCER CENTRE, SYDNEY

Location: Darlinghurst, NSW

Total Project Value: $100,000,000

Typology: Health & Science, Workplace

The Kinghorn Cancer Centre provides a nurturing, non-hospital setting that facilitates collaborative research between scientists, clinicians and patients, to deliver personalised medicine, and advance research through rapid translation to the clinic. Filled with natural light, timber finishes and landscaping, the building is organised into functional zones, with the sequence of spaces moving from service core to laboratory, to write-up space, to meeting rooms, to the public atrium where all activity is visible to anyone entering the building.

Awards:

The Australian Institute of Architects The John Verge Award for Interior Architecture (NSW)

Chicago Antheneum International Architecture Award

World Architecture Festival High Commendation - Health Building

The Australian Institute of Architects National Commendation for Interior Architecture

The Australian Institute of Architects National Commendation for Public Architecture

BVN - AWARDS RECEIVED IN HEALTH AND SCIENCE



NORTHERN BEACHES HOSPITAL

Location: Frenchs Forest, NSW

Total Project Value: $550,000,000

Typology: Health & Science

The primary objectives of The Northern Beaches Hospital development is to deliver the best quality integrated health services and clinical outcomes to the community of the Northern Beaches of Sydney where public and private health care are integrated into a single facility to maximise the range and breadth of services available. The Northern Beaches Hospital image is one of care and commitment, safety and excellence. It provides an important civic anchor to Frenchs Forest, and to the whole of the Northern Beaches. This campus design is accessible, safe, approachable to the range of communities it serves and able to be used with confidence and comfort

Awards:

Master Builders Association - Health Buildings $100M and over



ROBINA HOSPITAL EXPANSION

Location: Robina, QLD

Total Project Value: $230,000,000

Typology: Health & Science, Education,

The Robina Hospital expansion transforms a small local hospital into a major regional health facility by improving existing departments and providing new facilities on campus. The principal components of the scheme include the new main entry and public area, two-storey eastern wing housing an outpatients department at ground floor with operating theatre suites above, and a four-storey ward building providing a teaching and training facility at ground level, and an additional 162 beds for a total of 364 hospital beds.

Awards:

The Australian Institute of Architects Award for Public Architecture (QLD)

The Australian Institute of Architects Gold Coast & Northern Rivers Building of the Year

World Architecture News Healthcare Award

World Architecture News Interior Design Award



ROYAL NORTH SHORE HOSPITAL

Location: St Leonards, NSW

Total Project Value: $900,000,000

Typology: Health & Science, Interiors, Masterplanning

The new 100,000m2 acute hospital is the centerpiece of the RNSH upgrade. It incorporates one of Australia's largest operating suites, a 60-bed intensive care service, nine 30-bed inpatient units, a major radiation oncology centre, a 34-bed mental health unit and a major emergency department. The design focuses on safe and efficient delivery of service, flexibility for future expansion and providing a welcoming public building.

Awards:

Leighton Holdings Limited Excellence Award for Success

Australian Institute of Building – National Professional Excellence Award (Commercial Construction $100m+) awarded to Project Director Jim Tragotsalos

Master Builders NSW – Excellence in Construction Awards – Health Buildings ($500m+)

Infrastructure Partnerships Australia – National Infrastructure Award for Contractor Excellence



SOUTH EAST REGIONAL HOSPITAL

Location: Bega, NSW

Total Project Value: $180,000,000

Typology: Health & Science

With a northerly aspect on the edge of Bega River, the South East Regional Hospital has a strong connection to landscape and the regional community. The design has a human scale, at just over three levels, with a generosity of outlook and views to the landscape beyond. Planning is around a central, open space which connects the various activities within the hospital. New facilities associated with the hospital include a significant expansion of acute, sub-acute, clinical support and primary health services.

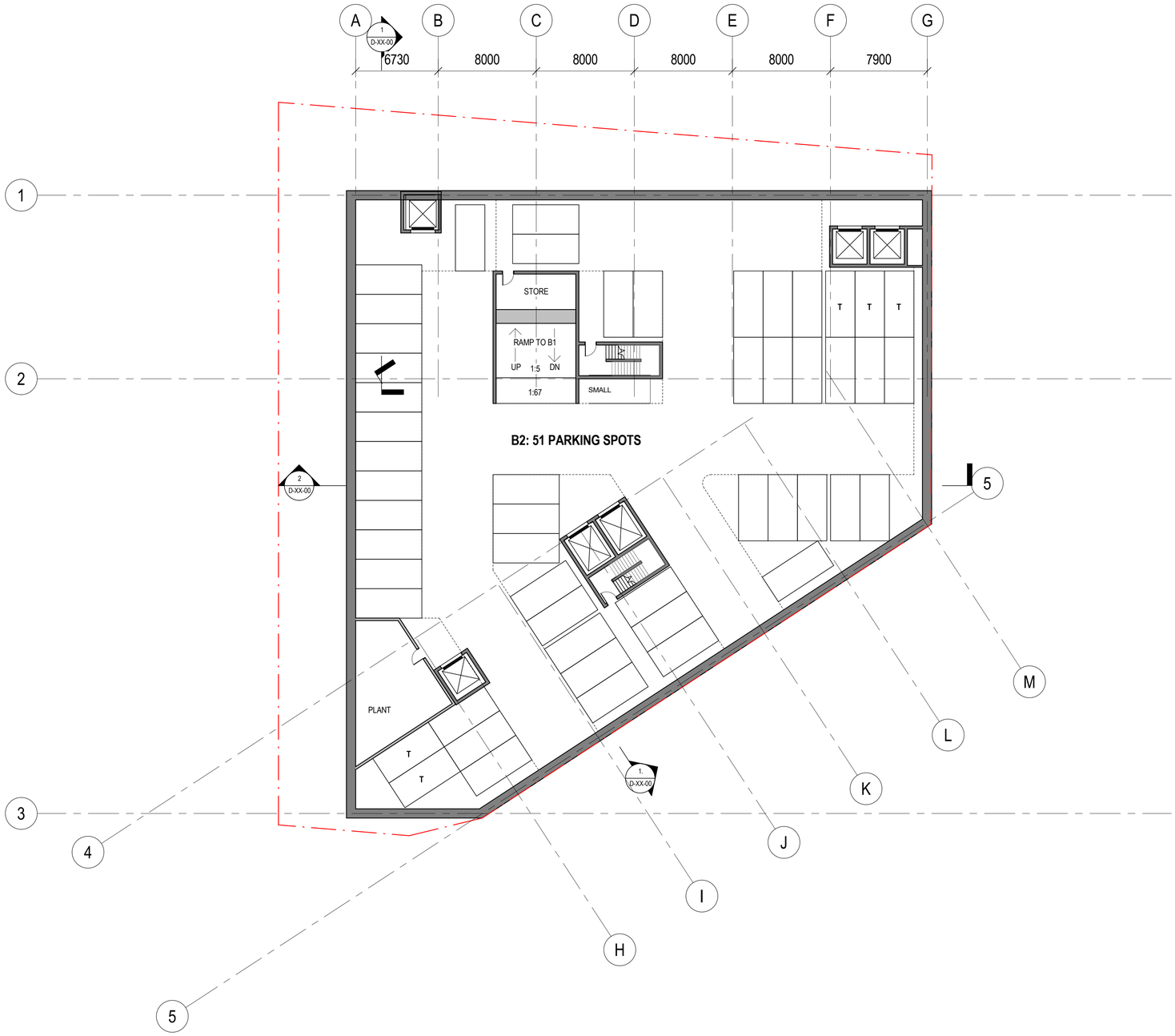
Awards:

The Australian Institute of Architects Commendation for Public Architecture

Shortlisted, The World Architecture Festival, Health Buildings

APPENDIX - DRAWING SET

PRELIMINARY HEALTH FACILITY



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KEY PLAN



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MICHAEL FILE

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PROJECT MANAGER

PROJECT
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CNR PARRAMATTA ROAD & PYRMONT BRIDGE ROAD, CAMPERDOWN, NSW, AUSTRALIA

BVN PROJECT NUMBER
s1611019

TRUE NORTH PROJECT NORTH

GRAPHIC SCALE

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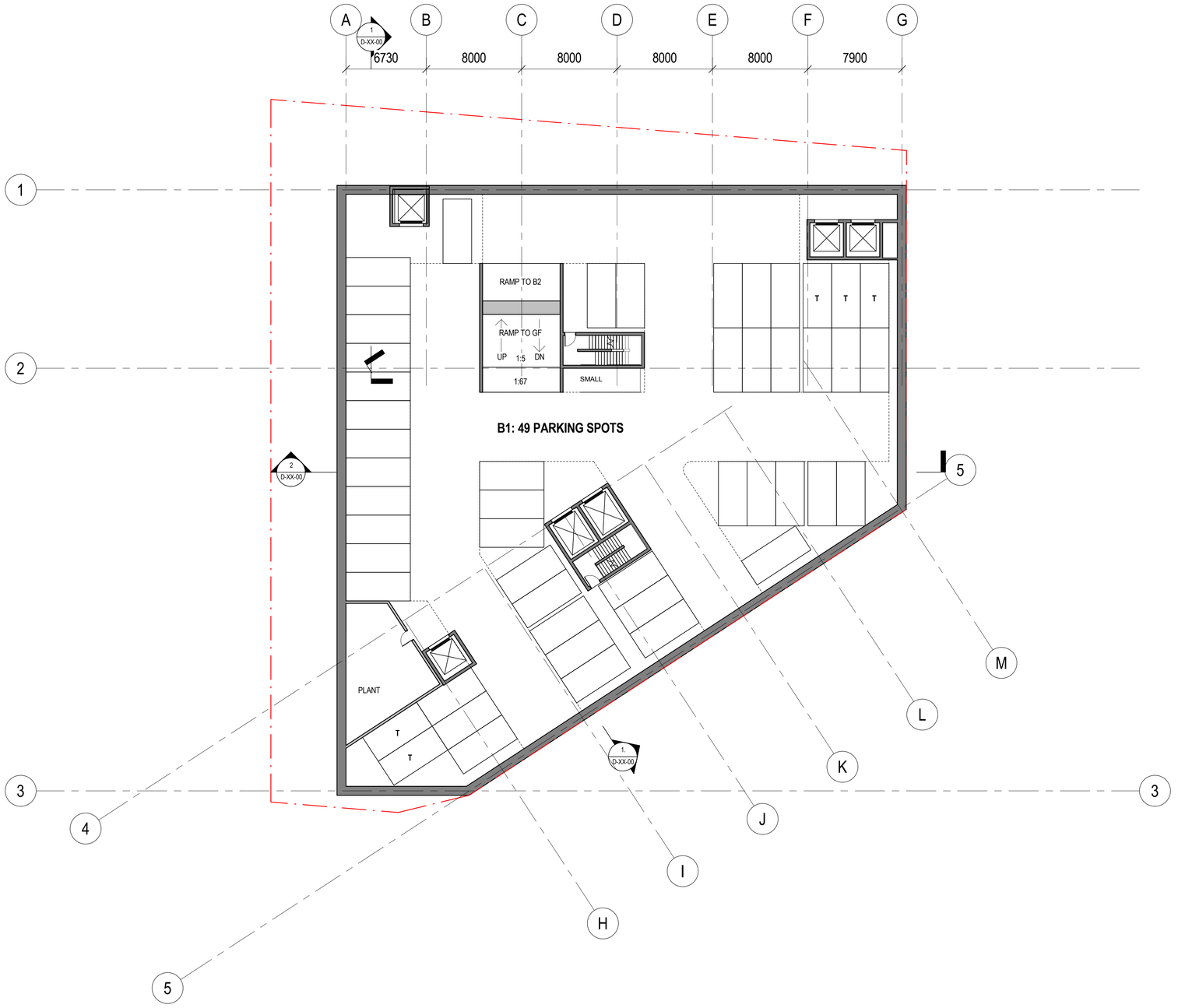
STATUS
CONCEPT DESIGN

DRAWING
LEVEL B2 - BASEMENT

DRAWING NUMBER
AR-B-10-B2

ISSUE
B

PRELIMINARY HEALTH FACILITY



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GRAPHIC SCALE

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STATUS
CONCEPT DESIGN

DRAWING
LEVEL B1 - BASEMENT

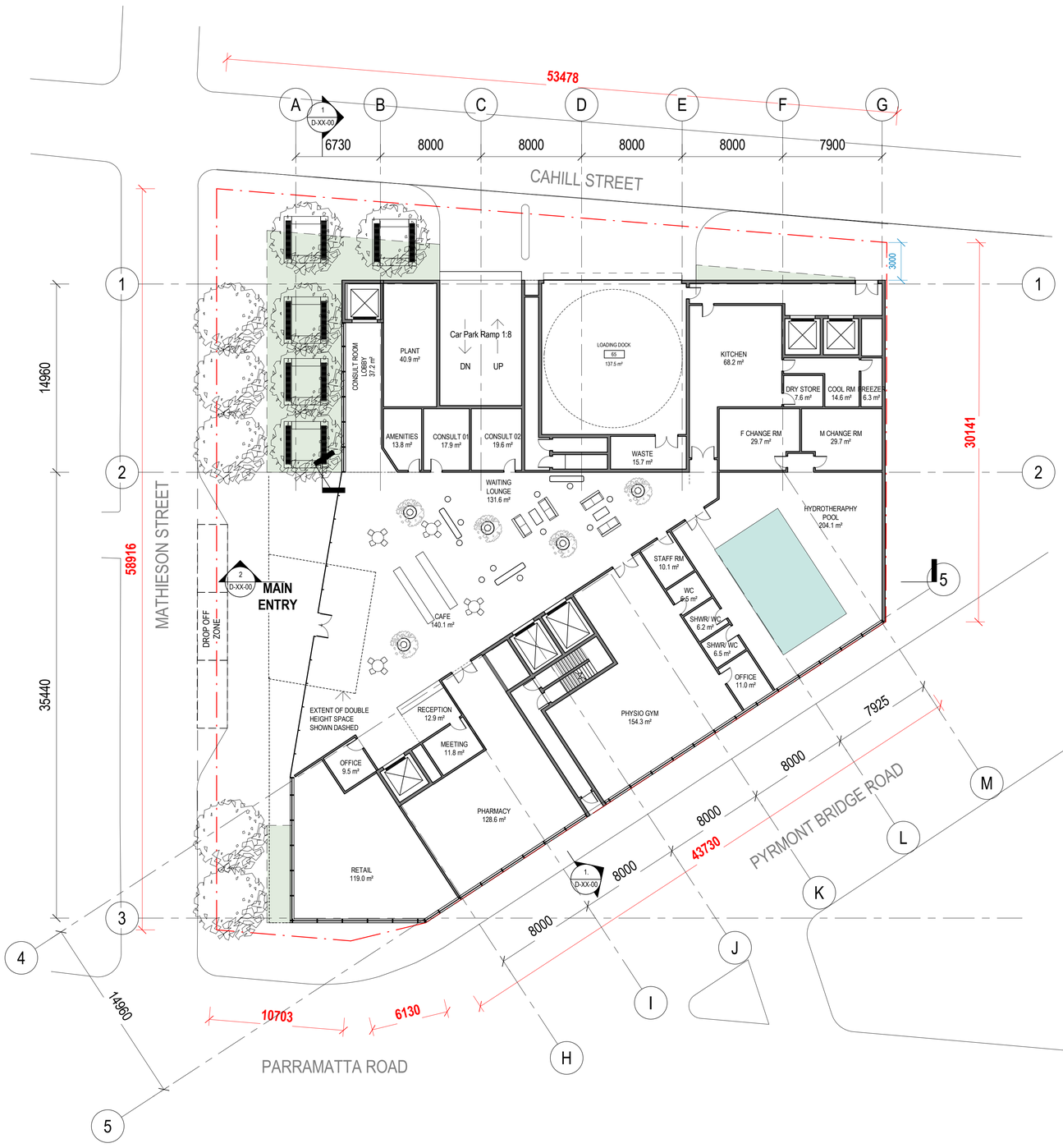
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ISSUE
B

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PRELIMINARY

HEALTH FACILITY



LEVEL 00 - ROOM SCHEDULE		
Name	Count	Area
AMENITIES	1	13.8 m²
CAFE	1	140.1 m²
CONSULT 01	1	17.9 m²
CONSULT 02	1	19.6 m²
CONSULT ROOM LOBBY	1	37.2 m²
COOL RM	1	14.6 m²
DRY STORE	1	7.6 m²
F CHANGE RM	1	29.7 m²
FREEZER	1	6.3 m²
HYDROTHERAPHY POOL	1	204.1 m²
KITCHEN	1	68.2 m²
LOADING DOCK	1	137.5 m²
M CHANGE RM	1	29.7 m²
MEETING	1	11.8 m²
OFFICE	1	11.0 m²
OFFICE	1	9.5 m²
PHARMACY	1	128.6 m²
PHYSIO GYM	1	154.3 m²
PLANT	1	40.9 m²
RECEPTION	1	12.9 m²
RETAIL	1	119.0 m²
SHWR/ WC	1	6.2 m²
SHWR/ WC	1	6.5 m²
STAFF RM	1	10.1 m²
WAITING LOUNGE	1	131.6 m²
WASTE	1	15.7 m²
WC	1	6.5 m²

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PROJECT NORTH

GRAPHIC SCALE
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STATUS
CONCEPT DESIGN

DRAWING
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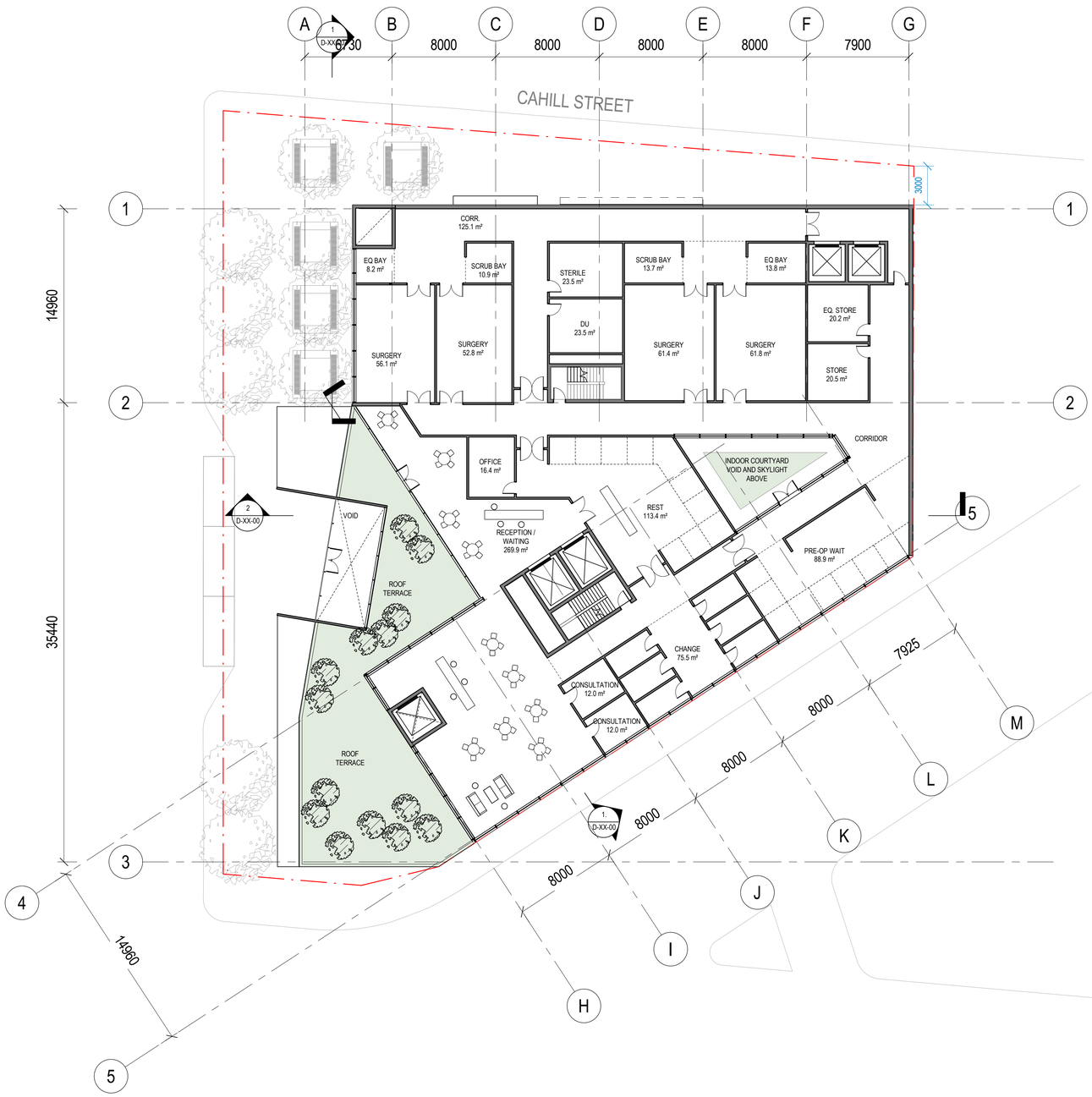
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ISSUE
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PRELIMINARY

HEALTH FACILITY

LEVEL 01 - ROOM SCHEDULE		
Name	Count	Area
CHANGE	1	75.5 m²
CONSULTATION	1	12.0 m²
CONSULTATION	1	12.0 m²
CORR.	1	125.1 m²
CORRIDOR	1	166.1 m²
DU	1	23.5 m²
EQ BAY	1	13.8 m²
EQ BAY	1	8.2 m²
EQ. STORE	1	20.2 m²
OFFICE	1	16.4 m²
PRE-OP WAIT	1	88.9 m²
RECEPTION / WAITING	1	269.9 m²
REST	1	113.4 m²
SCRUB BAY	1	13.7 m²
SCRUB BAY	1	10.9 m²
STERILE	1	23.5 m²
STORE	1	20.5 m²
SURGERY	1	61.4 m²
SURGERY	1	61.8 m²
SURGERY	1	52.8 m²
SURGERY	1	56.1 m²



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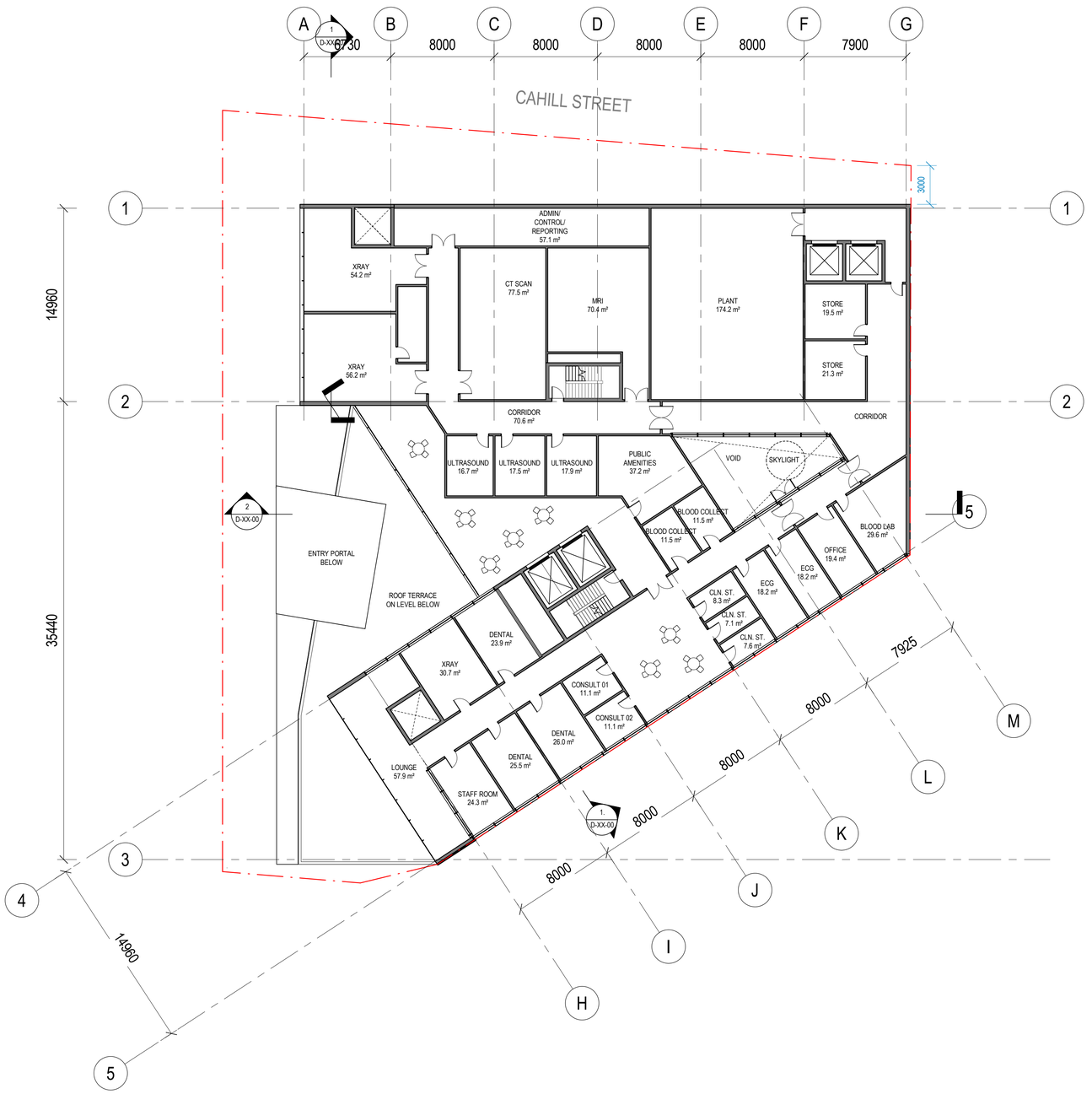
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FLOOR PLAN - LEVEL 01 - DAY SURGERY

DRAWING NUMBER
AR-B-10-01

ISSUE
C

PRELIMINARY

HEALTH FACILITY



LEVEL 02 - ROOM SCHEDULE		
Name	Count	Area
ADMIN/ CONTROL/ REPORTING	1	57.1 m²
BLOOD COLLECT	1	11.5 m²
BLOOD COLLECT	1	11.5 m²
BLOOD LAB	1	29.6 m²
CLN. ST.	1	8.3 m²
CLN. ST.	1	7.1 m²
CLN. ST.	1	7.6 m²
CONSULT 01	1	11.1 m²
CONSULT 02	1	11.1 m²
CORRIDOR	1	70.6 m²
CORRIDOR	1	88.4 m²
CT SCAN	1	77.5 m²
DENTAL	1	26.0 m²
DENTAL	1	23.9 m²
DENTAL	1	25.5 m²
ECG	1	18.2 m²
ECG	1	18.2 m²
LOUNGE	1	57.9 m²
MRI	1	70.4 m²
OFFICE	1	19.4 m²
PLANT	1	174.2 m²
PUBLIC AMENITIES	1	37.2 m²
STAFF ROOM	1	24.3 m²
STORE	1	21.3 m²
STORE	1	19.5 m²
ULTRASOUND	1	16.7 m²
ULTRASOUND	1	17.5 m²
ULTRASOUND	1	17.9 m²
XRAY	1	56.2 m²
XRAY	1	54.2 m²
XRAY	1	30.7 m²

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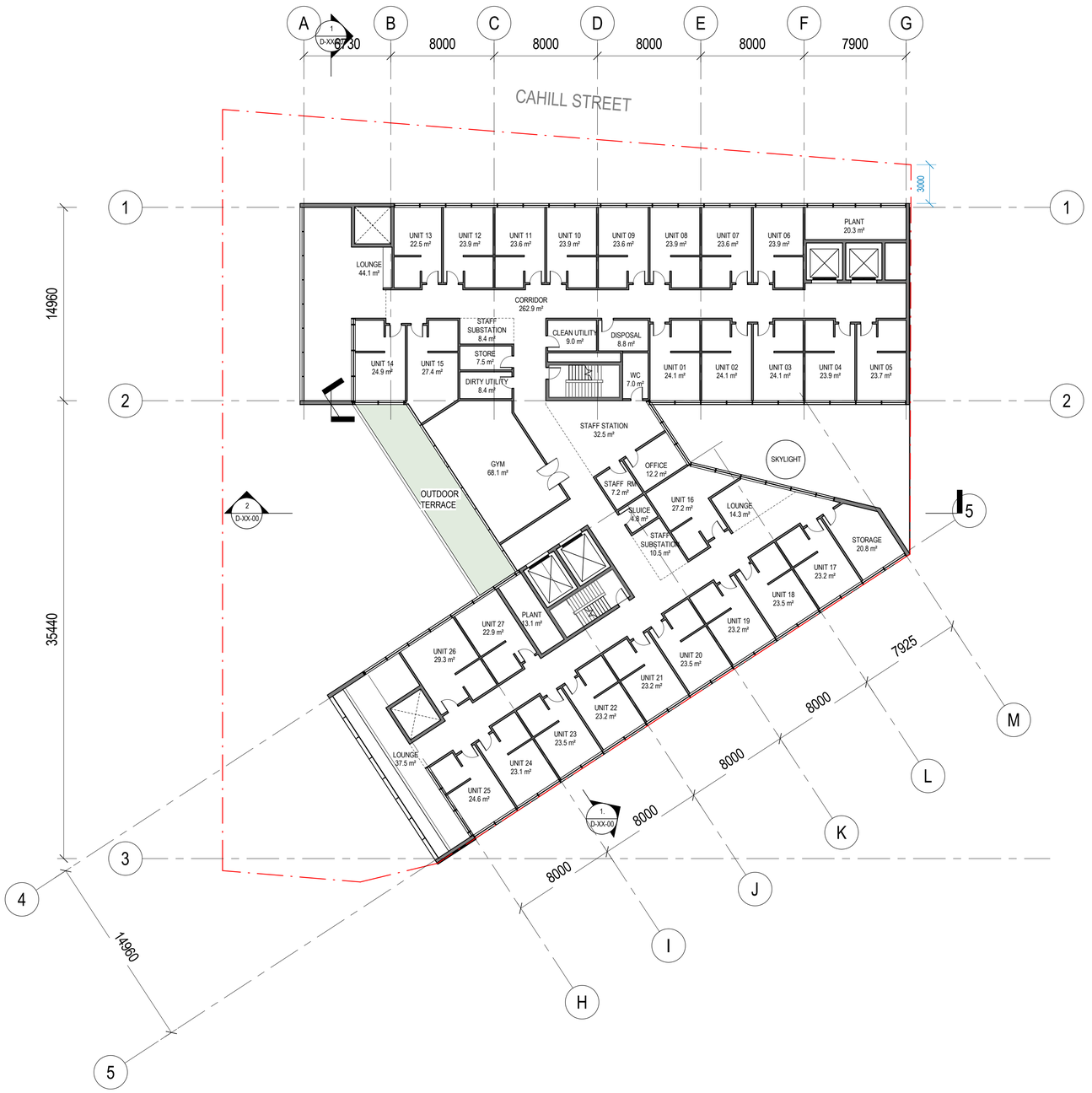
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CONCEPT DESIGN

DRAWING
FLOOR PLAN - LEVEL 02 - DENTAL/ RADIOLOGY/ PATHOLOGY

DRAWING NUMBER
AR-B-10-02

ISSUE
C

PRELIMINARY HEALTH FACILITY



LEVEL 03 - ROOM SCHEDULE		
Name	Count	Area
CLEAN UTILITY	1	9.0 m²
CORRIDOR	1	262.9 m²
DIRTY UTILITY	1	8.4 m²
DISPOSAL	1	8.8 m²
FIRE STAIR	1	14.6 m²
GYM	1	68.1 m²
LIFT	1	9.6 m²
LIFT	1	9.6 m²
LIFT	1	13.6 m²
LOUNGE	1	14.3 m²
LOUNGE	1	44.1 m²
LOUNGE	1	37.5 m²
OFFICE	1	12.2 m²
PLANT	1	20.3 m²
PLANT	1	13.1 m²
SLUICE	1	4.8 m²
STAFF RM	1	7.2 m²
STAFF STATION	1	32.5 m²
STAFF SUBSTATION	1	8.4 m²
STAFF SUBSTATION	1	10.5 m²
STORAGE	1	20.8 m²
STORE	1	7.5 m²
UNIT 01	1	24.1 m²
UNIT 02	1	24.1 m²
UNIT 03	1	24.1 m²
UNIT 04	1	23.9 m²
UNIT 05	1	23.7 m²
UNIT 06	1	23.9 m²
UNIT 07	1	23.6 m²
UNIT 08	1	23.9 m²
UNIT 09	1	23.6 m²
UNIT 10	1	23.9 m²
UNIT 11	1	23.6 m²
UNIT 12	1	23.9 m²
UNIT 13	1	22.5 m²
UNIT 14	1	24.9 m²
UNIT 15	1	27.4 m²
UNIT 16	1	27.2 m²
UNIT 17	1	23.2 m²
UNIT 18	1	23.5 m²
UNIT 19	1	23.2 m²
UNIT 20	1	23.5 m²
UNIT 21	1	23.2 m²
UNIT 22	1	23.2 m²
UNIT 23	1	23.5 m²
UNIT 24	1	23.1 m²
UNIT 25	1	24.6 m²
UNIT 26	1	29.3 m²
UNIT 27	1	22.9 m²
WC	1	7.0 m²

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KEY PLAN



URBAN PLANNERS
MICHAEL FILE

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s1611019

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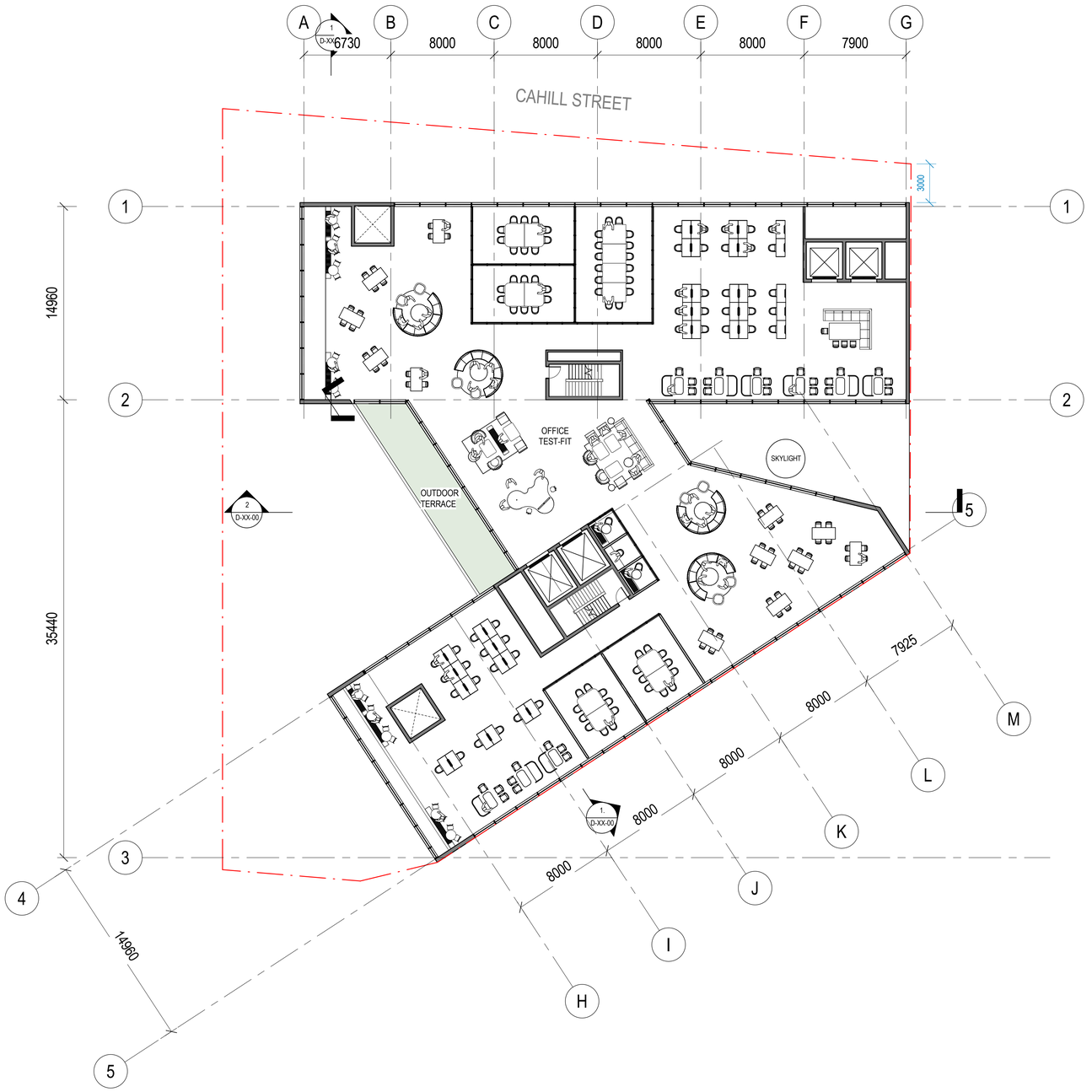
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STATUS
CONCEPT DESIGN

DRAWING
FLOOR PLAN - LEVEL 03 - REHAB UNIT

DRAWING NUMBER	ISSUE
AR-B-10-03	C

PRELIMINARY **HEALTH FACILITY**



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SURVEYORS
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TEL: 92836677

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PROJECT MANAGER

PROJECT

CAMPERDOWN PLANNIG PROPOSAL
CNR PARRAMATTA ROAD & PYRMONT BRIDGE ROAD, CAMPERDOWN, NSW, AUSTRALIA

BVN PROJECT NUMBER
s1611019

TRUE NORTH PROJECT NORTH

GRAPHIC SCALE
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SCALE
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STATUS
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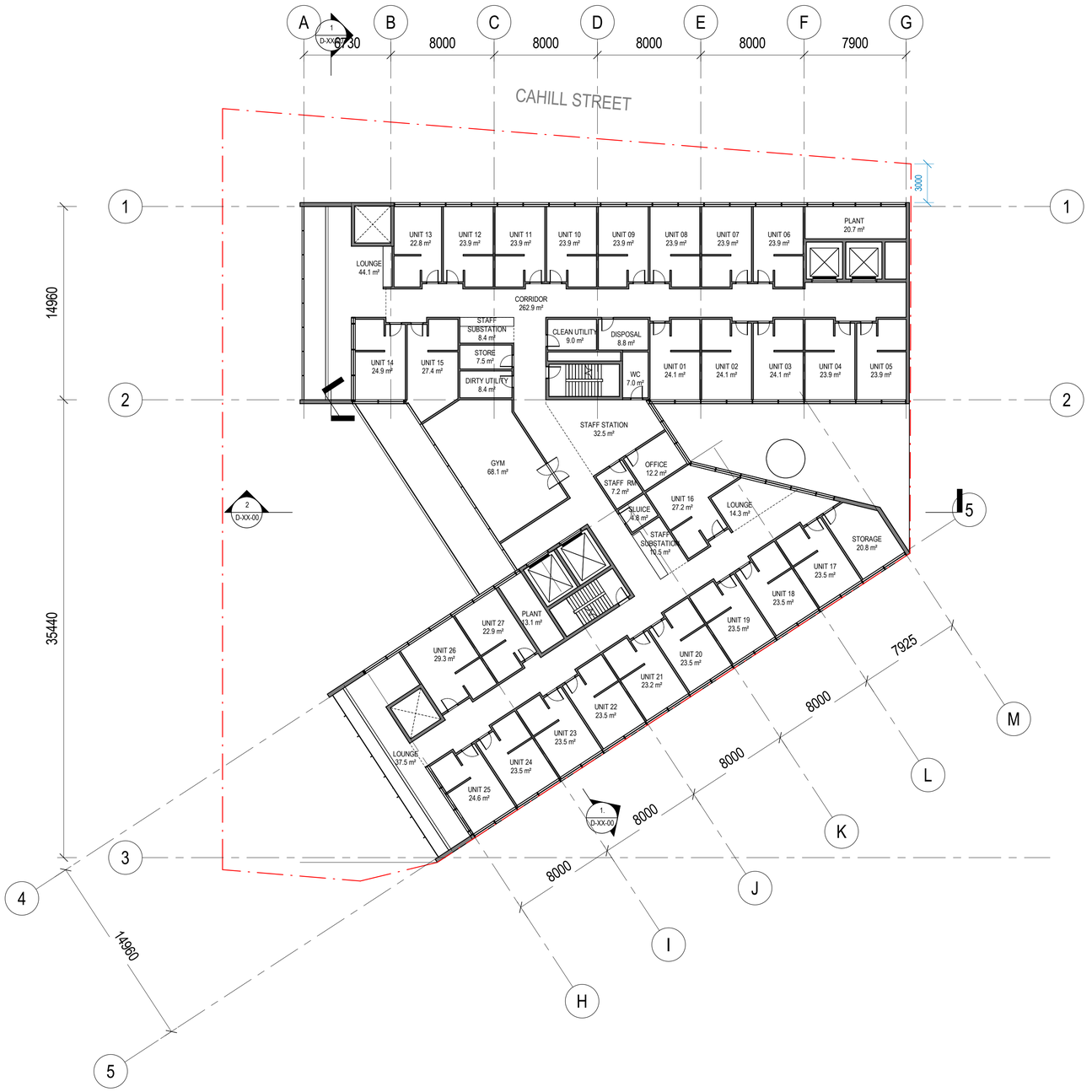
DRAWING

FLOOR PLAN - TYPICAL LEVEL - OFFICE ALTERNATIVE

DRAWING NUMBER
AR-B-10-03A

ISSUE
B

PRELIMINARY HEALTH FACILITY



LEVEL 04 - ROOM SCHEDULE		
Name	Count	Area
CLEAN UTILITY	1	9.0 m²
CORRIDOR	1	262.9 m²
DIRTY UTILITY	1	8.4 m²
DISPOSAL	1	8.8 m²
FIRE STAIR	1	14.6 m²
GYM	1	68.1 m²
LIFT	1	9.6 m²
LIFT	1	9.6 m²
LIFT	1	13.6 m²
LOUNGE	1	14.3 m²
LOUNGE	1	44.1 m²
LOUNGE	1	37.5 m²
OFFICE	1	12.2 m²
PLANT	1	20.7 m²
PLANT	1	13.1 m²
SLUICE	1	4.8 m²
STAFF RM	1	7.2 m²
STAFF STATION	1	32.5 m²
STAFF SUBSTATION	1	8.4 m²
STAFF SUBSTATION	1	10.5 m²
STORAGE	1	20.8 m²
STORE	1	7.5 m²
UNIT 01	1	24.1 m²
UNIT 02	1	24.1 m²
UNIT 03	1	24.1 m²
UNIT 04	1	23.9 m²
UNIT 05	1	23.9 m²
UNIT 06	1	23.9 m²
UNIT 07	1	23.9 m²
UNIT 08	1	23.9 m²
UNIT 09	1	23.9 m²
UNIT 10	1	23.9 m²
UNIT 11	1	23.9 m²
UNIT 12	1	23.9 m²
UNIT 13	1	22.8 m²
UNIT 14	1	24.9 m²
UNIT 15	1	27.4 m²
UNIT 16	1	27.2 m²
UNIT 17	1	23.5 m²
UNIT 18	1	23.5 m²
UNIT 19	1	23.5 m²
UNIT 20	1	23.5 m²
UNIT 21	1	23.2 m²
UNIT 22	1	23.5 m²
UNIT 23	1	23.5 m²
UNIT 24	1	23.5 m²
UNIT 25	1	24.6 m²
UNIT 26	1	29.3 m²
UNIT 27	1	22.9 m²
WC	1	7.0 m²

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TEL: 92836677

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CAMPERDOWN PLANNIG PROPOSAL
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BVN PROJECT NUMBER
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TRUE NORTH PROJECT NORTH

GRAPHIC SCALE
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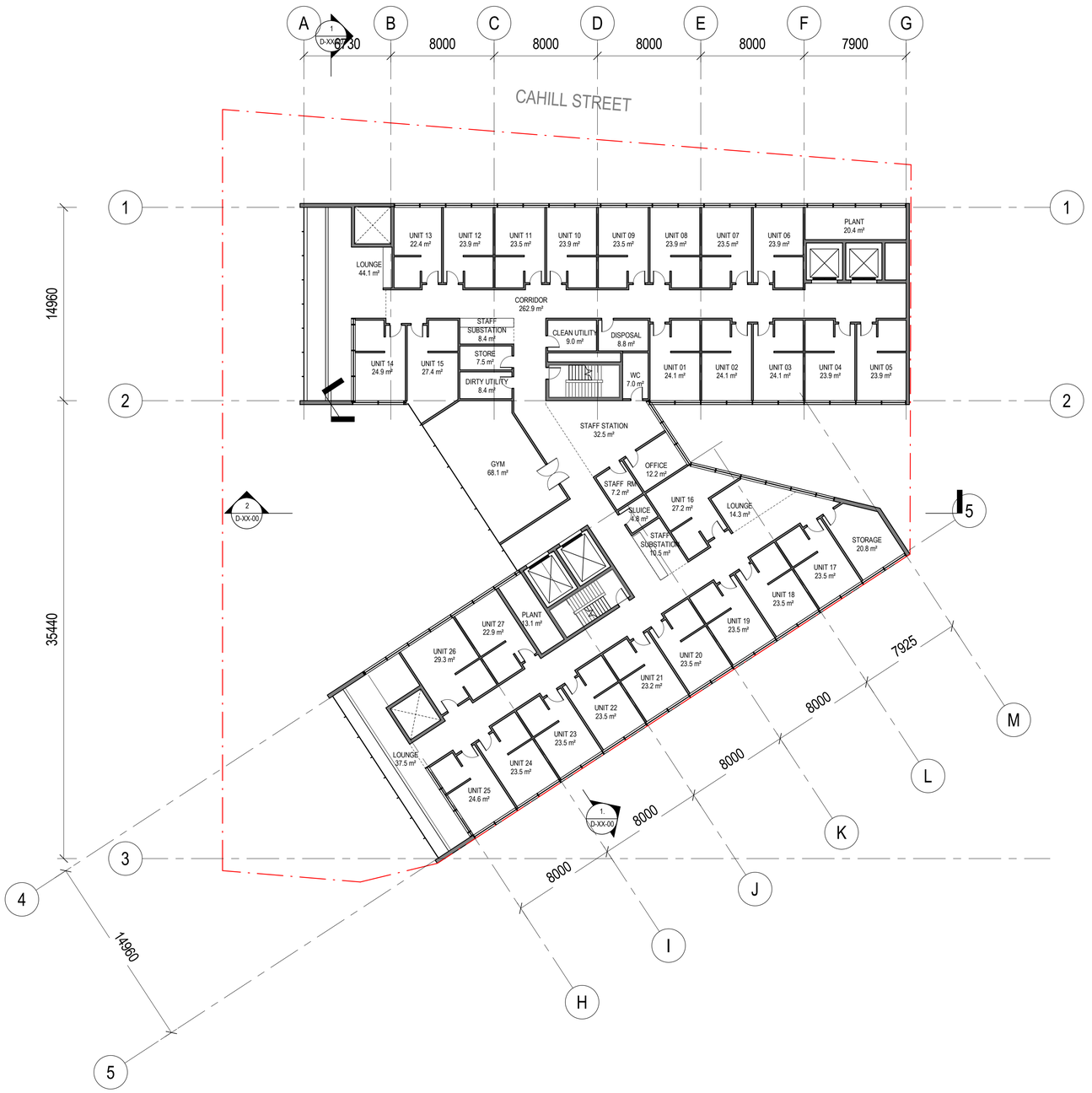
STATUS
CONCEPT DESIGN

DRAWING
FLOOR PLAN - LEVEL 04 - REHAB UNIT

DRAWING NUMBER
AR-B-10-04

ISSUE
C

PRELIMINARY HEALTH FACILITY



LEVEL 05 - ROOM SCHEDULE		
Name	Count	Area
CLEAN UTILITY	1	9.0 m²
CORRIDOR	1	262.9 m²
DIRTY UTILITY	1	8.4 m²
DISPOSAL	1	8.8 m²
FIRE STAIR	1	14.6 m²
GYM	1	68.1 m²
LIFT	1	9.6 m²
LIFT	1	9.6 m²
LIFT	1	13.6 m²
LOUNGE	1	14.3 m²
LOUNGE	1	44.1 m²
LOUNGE	1	37.5 m²
OFFICE	1	12.2 m²
PLANT	1	20.4 m²
PLANT	1	13.1 m²
SLUICE	1	4.8 m²
STAFF RM	1	7.2 m²
STAFF STATION	1	32.5 m²
STAFF SUBSTATION	1	8.4 m²
STAFF SUBSTATION	1	10.5 m²
STORAGE	1	20.8 m²
STORE	1	7.5 m²
UNIT 01	1	24.1 m²
UNIT 02	1	24.1 m²
UNIT 03	1	24.1 m²
UNIT 04	1	23.9 m²
UNIT 05	1	23.9 m²
UNIT 06	1	23.9 m²
UNIT 07	1	23.5 m²
UNIT 08	1	23.9 m²
UNIT 09	1	23.5 m²
UNIT 10	1	23.9 m²
UNIT 11	1	23.5 m²
UNIT 12	1	23.9 m²
UNIT 13	1	22.4 m²
UNIT 14	1	24.9 m²
UNIT 15	1	27.4 m²
UNIT 16	1	27.2 m²
UNIT 17	1	23.5 m²
UNIT 18	1	23.5 m²
UNIT 19	1	23.5 m²
UNIT 20	1	23.5 m²
UNIT 21	1	23.2 m²
UNIT 22	1	23.5 m²
UNIT 23	1	23.5 m²
UNIT 24	1	23.5 m²
UNIT 25	1	24.6 m²
UNIT 26	1	29.3 m²
UNIT 27	1	22.9 m²
WC	1	7.0 m²

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BVN PROJECT NUMBER
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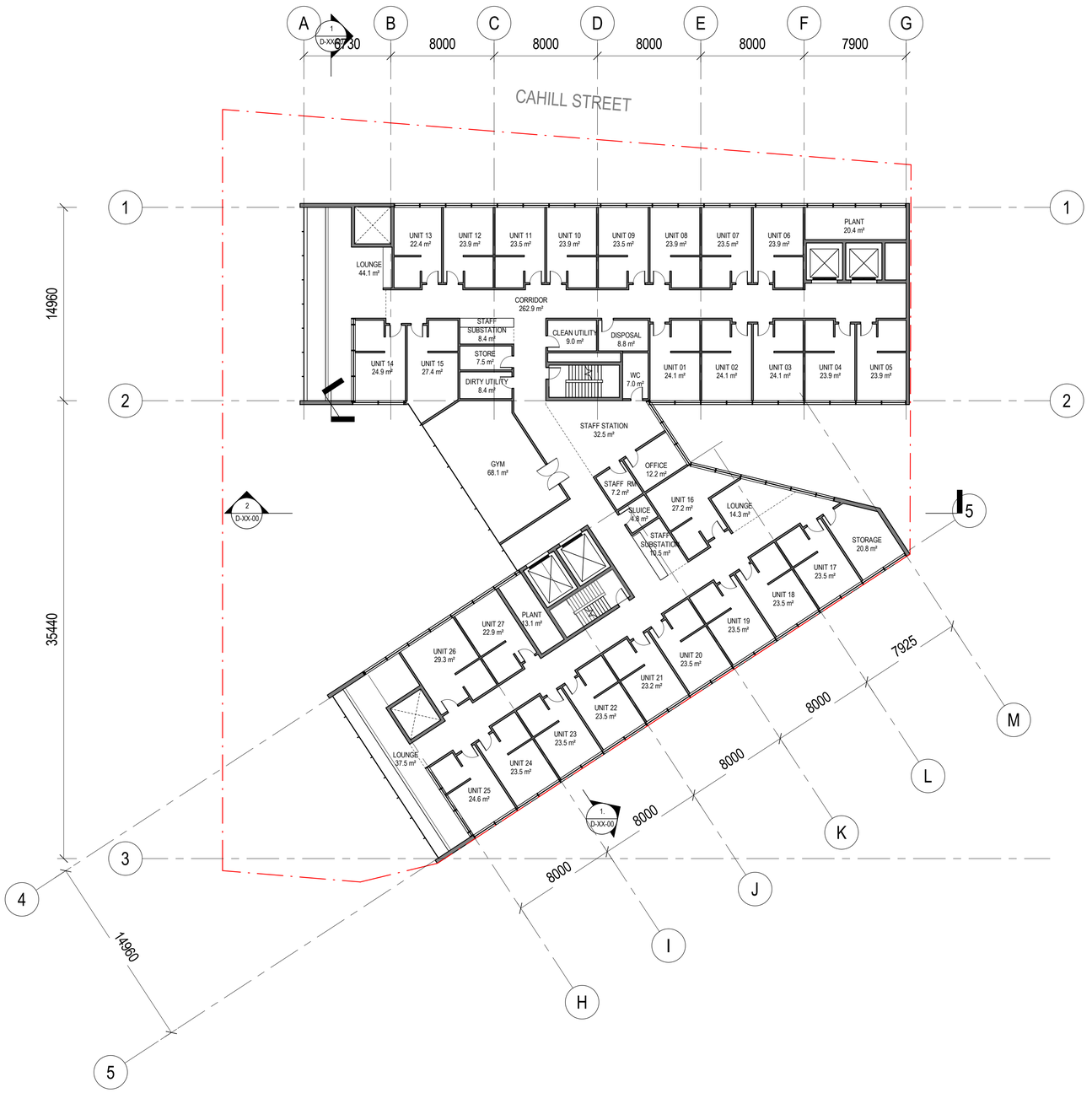
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FLOOR PLAN - LEVEL 05 - REHAB UNIT

DRAWING NUMBER
AR-B-10-05

ISSUE
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PRELIMINARY HEALTH FACILITY



LEVEL 06 - ROOM SCHEDULE		
Name	Count	Area
CLEAN UTILITY	1	9.0 m²
CORRIDOR	1	262.9 m²
DIRTY UTILITY	1	8.4 m²
DISPOSAL	1	8.8 m²
FIRE STAIR	1	14.6 m²
GYM	1	68.1 m²
LIFT	1	9.6 m²
LIFT	1	9.6 m²
LIFT	1	13.6 m²
LOUNGE	1	14.3 m²
LOUNGE	1	44.1 m²
LOUNGE	1	37.5 m²
OFFICE	1	12.2 m²
PLANT	1	20.4 m²
PLANT	1	13.1 m²
SLUICE	1	4.8 m²
STAFF RM	1	7.2 m²
STAFF STATION	1	32.5 m²
STAFF SUBSTATION	1	8.4 m²
STAFF SUBSTATION	1	10.5 m²
STORAGE	1	20.8 m²
STORE	1	7.5 m²
UNIT 01	1	24.1 m²
UNIT 02	1	24.1 m²
UNIT 03	1	24.1 m²
UNIT 04	1	23.9 m²
UNIT 05	1	23.9 m²
UNIT 06	1	23.9 m²
UNIT 07	1	23.5 m²
UNIT 08	1	23.9 m²
UNIT 09	1	23.5 m²
UNIT 10	1	23.9 m²
UNIT 11	1	23.5 m²
UNIT 12	1	23.9 m²
UNIT 13	1	22.4 m²
UNIT 14	1	24.9 m²
UNIT 15	1	27.4 m²
UNIT 16	1	27.2 m²
UNIT 17	1	23.5 m²
UNIT 18	1	23.5 m²
UNIT 19	1	23.5 m²
UNIT 20	1	23.5 m²
UNIT 21	1	23.2 m²
UNIT 22	1	23.5 m²
UNIT 23	1	23.5 m²
UNIT 24	1	23.5 m²
UNIT 25	1	24.6 m²
UNIT 26	1	29.3 m²
UNIT 27	1	22.9 m²
WC	1	7.0 m²

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BVN PROJECT NUMBER
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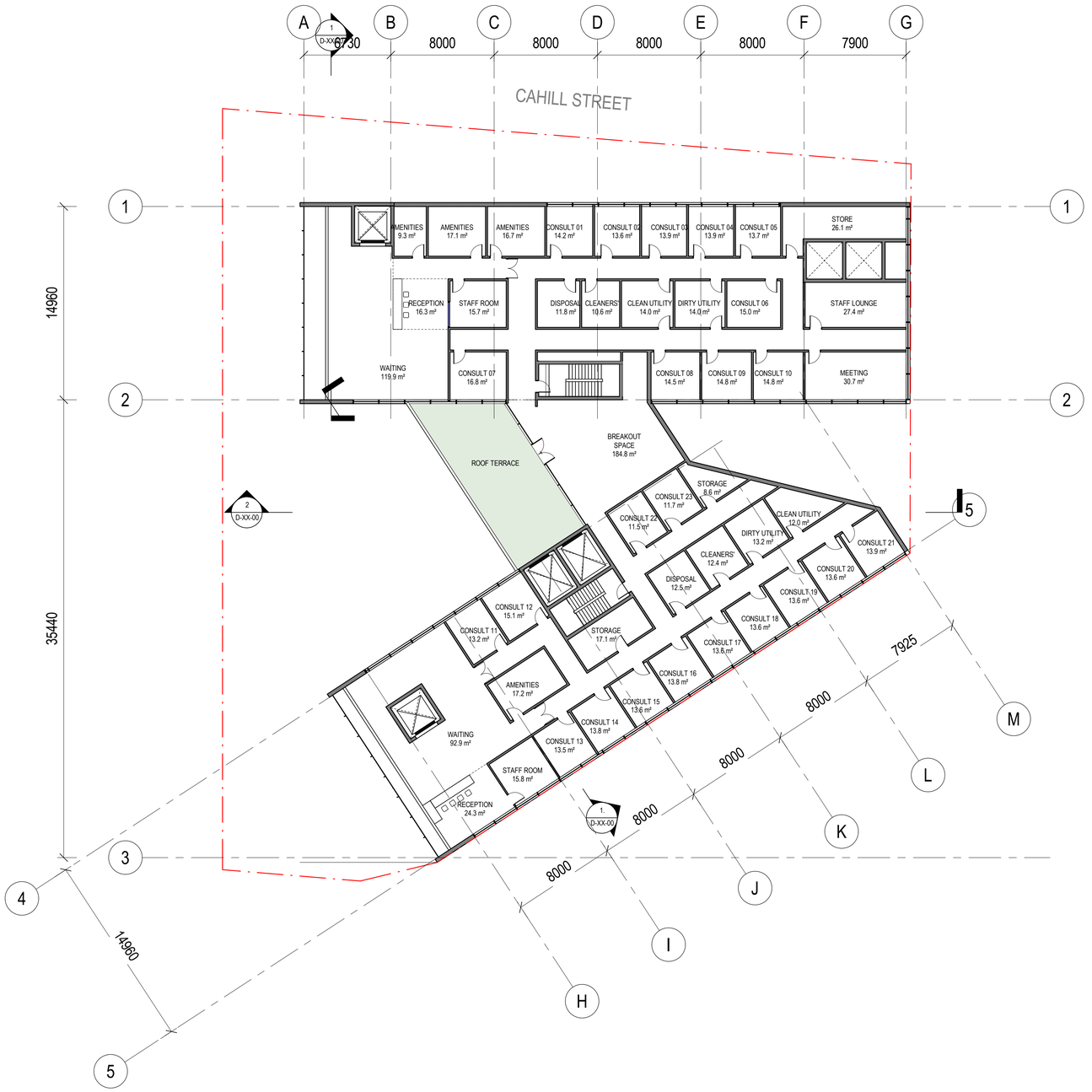
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STATUS
CONCEPT DESIGN

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FLOOR PLAN - LEVEL 06 - REHAB UNIT

DRAWING NUMBER	ISSUE
AR-B-10-06	C

PRELIMINARY HEALTH FACILITY



LEVEL 07 - ROOM SCHEDULE		
Name	Count	Area
AMENITIES	1	9.3 m²
AMENITIES	1	17.1 m²
AMENITIES	1	16.7 m²
AMENITIES	1	17.2 m²
BREAKOUT SPACE	1	118.9 m²
CLEAN UTILITY	1	14.0 m²
CLEAN UTILITY	1	12.0 m²
CLEANERS'	1	10.6 m²
CLEANERS'	1	12.4 m²
CONSULT 01	1	14.2 m²
CONSULT 02	1	13.6 m²
CONSULT 03	1	13.9 m²
CONSULT 04	1	13.9 m²
CONSULT 05	1	13.7 m²
CONSULT 06	1	15.0 m²
CONSULT 07	1	16.8 m²
CONSULT 08	1	14.5 m²
CONSULT 09	1	14.8 m²
CONSULT 10	1	14.8 m²
CONSULT 11	1	13.2 m²
CONSULT 12	1	15.1 m²
CONSULT 13	1	13.5 m²
CONSULT 14	1	13.8 m²
CONSULT 15	1	13.6 m²
CONSULT 16	1	13.8 m²
CONSULT 17	1	13.6 m²
CONSULT 18	1	13.6 m²
CONSULT 19	1	13.6 m²
CONSULT 20	1	13.6 m²
CONSULT 21	1	13.9 m²
DIRTY UTILITY	1	14.0 m²
DIRTY UTILITY	1	13.2 m²
DISPOSAL	1	11.8 m²
DISPOSAL	1	12.5 m²
MEETING	1	30.7 m²
RECEPTION	1	16.3 m²
RECEPTION	1	24.3 m²
STAFF LOUNGE	1	27.4 m²
STAFF ROOM	1	15.7 m²
STAFF ROOM	1	15.8 m²
STORAGE	1	17.1 m²
STORE	1	26.1 m²
WAITING	1	119.9 m²
WAITING	1	92.9 m²

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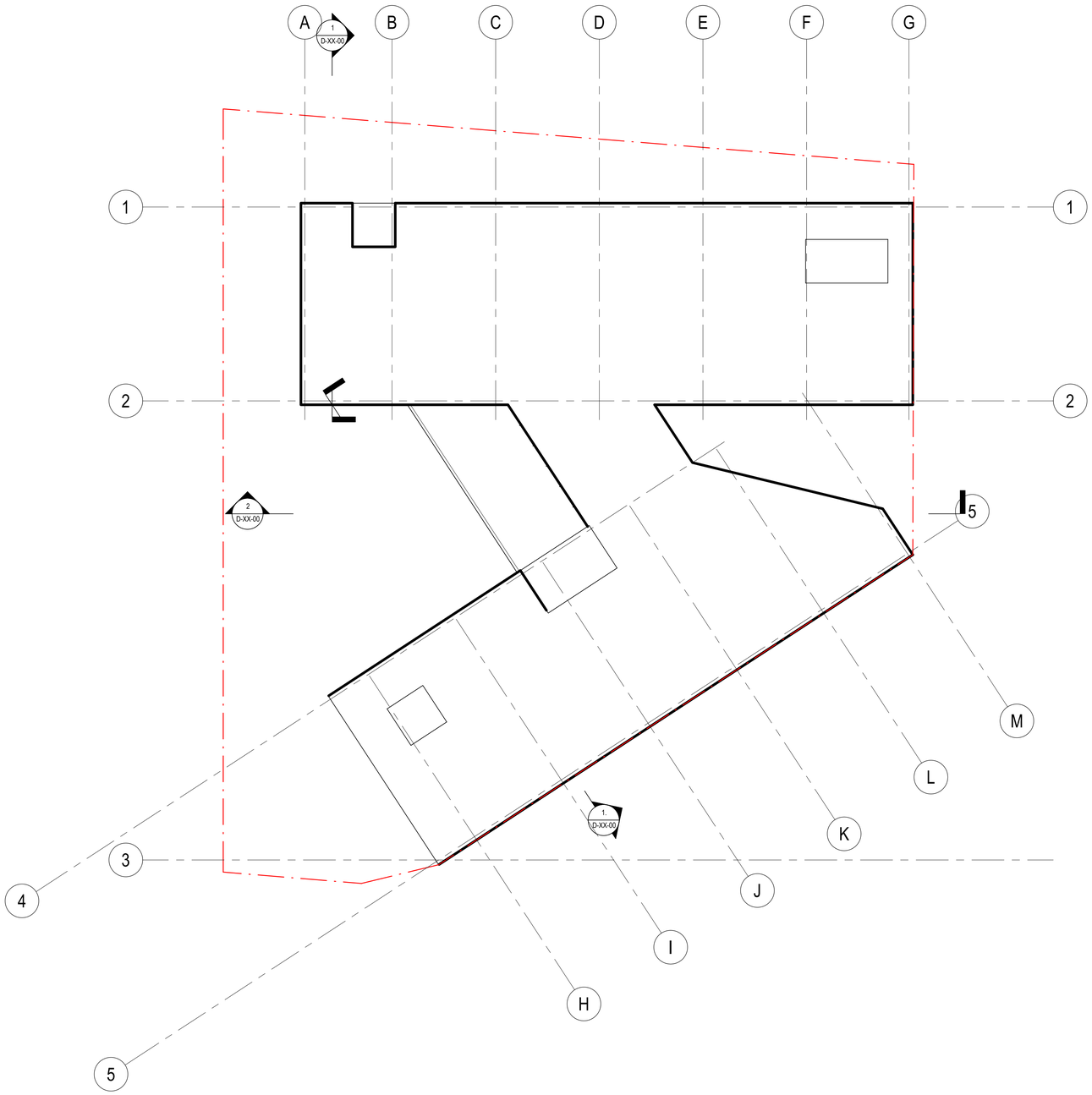
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STATUS
CONCEPT DESIGN

DRAWING
FLOOR PLAN - LEVEL 07 - SERVICE APARTMENTS

DRAWING NUMBER	ISSUE
AR-B-10-07	C

PRELIMINARY HEALTH FACILITY



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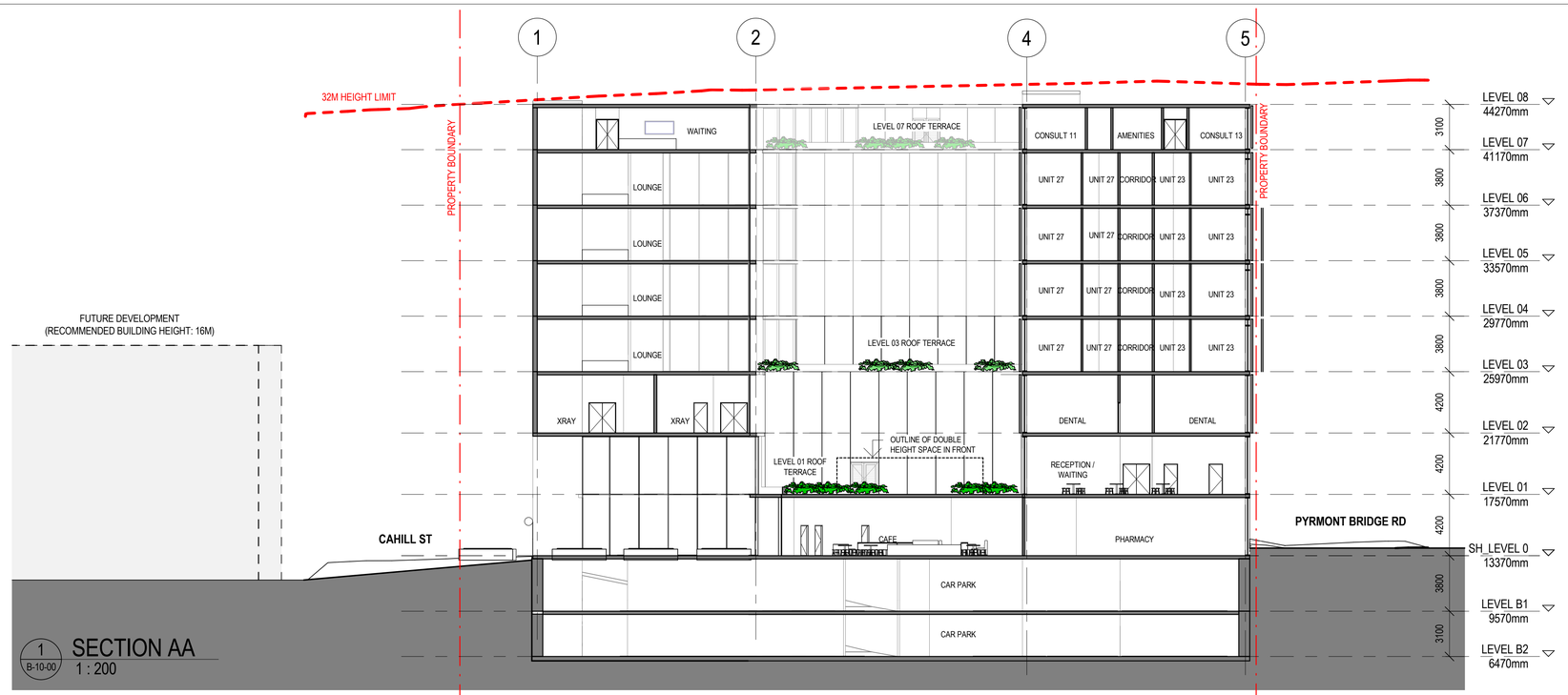
DRAWING
FLOOR PLAN - LEVEL 08 - ROOFTOP

DRAWING NUMBER
AR-B-10-08

ISSUE
B

PRELIMINARY

HEALTH FACILITY



1 B-10-00 SECTION AA
1 : 200



2 B-10-00 SECTION BB
1 : 200

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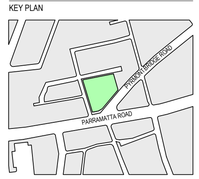
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CONCEPT DESIGN

DRAWING
SECTION 01

DRAWING NUMBER
AR-D-XX-00

ISSUE
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PRELIMINARY

HEALTH FACILITY

Area Schedule (GFA)	
Level	Area
LEVEL 00	1356.62 m²
LEVEL 01	1366.43 m²
LEVEL 02	1292.81 m²
LEVEL 03	1286.92 m²
LEVEL 04	1258.87 m²
LEVEL 05	1258.87 m²
LEVEL 06	1258.87 m²
LEVEL 07	1184.63 m²
	10264.02 m²

GFA - Sydney LEP 2012

Gross floor area means the sum of the floor area of each floor of a building measured from the internal face of external walls, or from the internal face of walls separating the building from any other building, measured at a height of 1.4 metres above the floor, and includes:
(a) the area of a mezzanine, and
(b) habitable rooms in a basement or an attic, and
(c) any shop, auditorium, cinema, and the like, in a basement or attic,

but excludes:
(d) any area for common vertical circulation, such as lifts and stairs, and
(e) any basement:
(i) storage, and
(ii) vehicular access, loading areas, garbage and services, and
(f) plant rooms, lift towers and other areas used exclusively for mechanical services or ducting, and
(g) car parking to meet any requirements of the consent authority (including access to that car parking), and
(h) any space used for the loading or unloading of goods (including access to it), and
(i) terraces and balconies with outer walls less than 1.4 metres high, and
(j) voids above a floor at the level of a storey or storey above.



1 C-XX-550 LEVEL 00
1 : 500



2 C-XX-550 LEVEL 01
1 : 500



3 C-XX-550 LEVEL 02
1 : 500



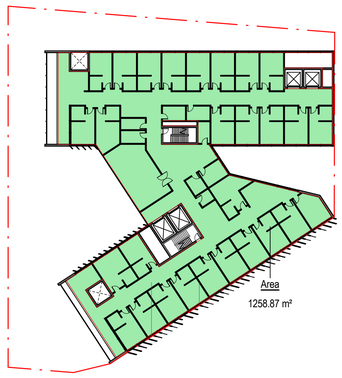
4 C-XX-550 LEVEL 03
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5 C-XX-550 LEVEL 04
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6 C-XX-550 LEVEL 05
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7 C-XX-550 LEVEL 06
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8 C-XX-550 LEVEL 07
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ISSUE	DATE	FOR
A	11/09/2020	DRAFT FOR REVIEW
B	27/10/2020	PRELIMINARY FOR REVIEW
C	30/04/2021	FEASIBILITY STUDY
D	11/05/2021	URBAN GROWTH REPORT

KEY PLAN



URBAN PLANNERS
MICHAEL FILE

SURVEYORS
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CONSULTANT

CONSULTANT

CLIENT
MHA

CLIENT NUMBER

PROJECT MANAGER

PROJECT
CAMPERDOWN PLANNIG PROPOSAL
CNR PARRAMATTA ROAD & PYRMONT BRIDGE ROAD, CAMPERDOWN, NSW, AUSTRALIA

BVN PROJECT NUMBER
s1611019

TRUE NORTH PROJECT NORTH

GRAPHIC SCALE
0 10000 25000

SCALE
1 : 500 DO NOT SCALE

STATUS
CONCEPT DESIGN

DRAWING
HEALTH FACILITY - GFA PLANS

DRAWING NUMBER
AR-R-XX-551

ISSUE
D

Appendix C – Previous Report

REPORT TO

MHA PBR Pty Ltd

ON

LIMITED ENVIRONMENTAL AND HAZARDOUS MATERIALS ASSESSMENT

FOR

DUE DILIGENCE

AT

122-128 & 130 PYRMONT BRIDGE ROAD AND 206 PARRAMATTA ROAD, ANNANDALE, NSW

Date: 28 January 2021

Ref: E33770PArpt-DRAFT

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DOCUMENT REVISION RECORD

Report Reference	Report Status	Report Date
E33770PArpt	DRAFT Report	28 January 2021

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b) The limitations defined in the client's brief to JKE; and
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Executive Summary

MHA PBR Pty Ltd ('the client') commissioned JK Environments (JKE) to undertake a Limited Environmental and Hazardous Materials Assessment at 122-130 Pyrmont Bridge Road and 206 Parramatta Road, Annandale, NSW ('the site'). The purpose of this assessment is to make a preliminary evaluation of site contamination and to assess the potential for hazardous building materials to be present onsite for due diligence purposes, prior to acquisition. The site location is shown on Figure 1 and the investigation was confined to the site boundaries as shown on Figure 2.

The primary aims of the assessment were to identify any past or present potentially contaminating activities at the site, identify the potential for site contamination, make a preliminary assessment of the soil and groundwater contamination conditions and to identify hazardous materials present within the site buildings. The scope of work included the following:

- Review of site information, including background and site history information from various sources outlined in the report;
- Site walkover inspection including inspection of safely accessible building areas for the presence and condition of hazardous buildings materials;
- Preparation of a preliminary CSM;
- Design and implementation of a sampling and analysis program;
- Evaluation of the analytical results with reference to relevant NSW EPA endorsed guidelines; and
- Preparation of a report detailing the works undertaken and presenting the findings of this assessment, and an indication on potential capital expenditure required to further investigate the site.

The assessment included a review of historical information, soil sampling from five boreholes and groundwater sampling from two monitoring wells installed onsite. Parts of the site are currently used as commercial retail tenancies (i.e. "Energy Shop Australia" and "Olde English Tiles") and as music tutoring premises including car parking to the east. The site has historically been used for various commercial/industrial activities including dry cleaners and electroplating. Commercial/industrial activities were also identified for the neighbouring properties including service station, dry cleaners and mechanical workshops etc.

This assessment identified asbestos in soil, along with some heavy metals and hydrocarbons that exceeded the ecological-based site assessment criteria (SAC). Hydrocarbons in the form of volatile total recoverable hydrocarbons (TRHs) and chlorinated volatile organic compounds (VOCs) were also identified in groundwater, with the TRH concentrations exceeding the human health-based SAC. Risks from asbestos and the ecological risks associated with heavy metals and TRHs in soil were assessed to be low in the context of the existing land use/site layout as there is currently no complete exposure pathway. A potential pathway exists in relation to exposure to vapours from volatile contaminants in soil and/or groundwater. This warrants further investigation for due diligence purposes. It is also anticipated that further detailed investigation will be necessary prior to any site redevelopment.

JKE recommends the following:

- A detailed hazardous materials assessment should be undertaken to confirm the presence and extent of all hazardous building materials present on site. A Hazardous Materials Register and Management Plan should be produced for all properties comprising the site following this assessment, in order to comply with currently endorsed regulations, codes and guidelines;
- Should refurbishment or demolition works be proposed, a destructive hazardous building materials survey should be undertaken prior to any demolition works taking place. Any proposed demolition works are to be complete with regards to the hazardous building materials report and all relevant codes, guidelines and standards. Clearance certificates are to be issued following removal of any hazardous building materials;
- Undertake a due diligence soil vapour investigation to determine the potential human health risks associated with vapour intrusion;
- Complete Detailed Site Investigation (DSI) as required for any future proposed development on site;
- Complete an ASS assessment as required for any future proposed development on site;
- Asbestos control measures will be required to be implemented for any works across the site which require penetration of the concrete slab/pavement. Control measures including preparation of a work specific Asbestos Management Plan (AMP) and engaging a specialist (i.e. licensed asbestos assessor) to assist with its

implementation, air monitoring for potential asbestos fibres during the works and use of appropriate personal protective equipment are recommended.

Indicative capital expenditure forecast is included in Section 11.1.

The conclusions and recommendations should be read in conjunction with the limitations presented in the body of this report.

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Abbreviations

Asbestos Fines/Fibrous Asbestos	**AF/FA**
Ambient Background Concentrations	**ABC**
Added Contaminant Limits	**ACL**
Asbestos Containing Material	**ACM**
Australian Drinking Water Guidelines	**ADWG**
Area of Environmental Concern	**AEC**
Australian Height Datum	**AHD**
Acid Sulfate Soil	**ASS**
Above-Ground Storage Tank	**AST**
Below Ground Level	**BGL**
Benzo(a)pyrene Toxicity Equivalent Factor	**BaP TEQ**
Bureau of Meteorology	**BOM**
Benzene, Toluene, Ethylbenzene, Xylene	**BTEX**
Cation Exchange Capacity	**CEC**
Contaminated Land Management	**CLM**
Contaminant(s) of Potential Concern	**CoPC**
Chain of Custody	**COC**
Conceptual Site Model	**CSM**
Development Application	**DA**
Dial Before You Dig	**DBYD**
Data Quality Indicator	**DQI**
Data Quality Objective	**DQO**
Detailed Site Investigation	**DSI**
Ecological Investigation Level	**EIL**
Ecological Screening Level	**ESL**
Environmental Management Plan	**EMP**
Excavated Natural Material	**ENM**
Environment Protection Authority	**EPA**
Environmental Site Assessment	**ESA**
Fibre Cement Fragment(s)	**FCF**
Fibre Cement Sheet	**FCS**
Health Investigation Level	**HILs**
Health Screening Level	**HSL**
Health Screening Level-Site Specific Assessment	**HSL-SSA**
International Organisation of Standardisation	**ISO**
JK Environments	**JKE**
Lab Control Spike	**LCS**
Light Non-Aqueous Phase Liquid	**LNAPL**
Map Grid of Australia	**MGA**
National Association of Testing Authorities	**NATA**
National Environmental Protection Measure	**NEPM**
Organochlorine Pesticides	**OCP**
Organophosphate Pesticides	**OPP**
Polycyclic Aromatic Hydrocarbons	**PAH**
Potential ASS	**PASS**
Potential Asbestos Containing Materials	**PACM**
Polychlorinated Biphenyls	**PCBs**
Person Conducting a Business or Undertaking	**PCBU**
Per-and Polyfluoroalkyl Substances	**PFAS**
Photo-ionisation Detector	**PID**
Protection of the Environment Operations	**POEO**
Practical Quantitation Limit	**PQL**
Quality Assurance	**QA**

Quality Control	**QC**
Remediation Action Plan	**RAP**
Relative Percentage Difference	**RPD**
Site Assessment Criteria	**SAC**
Sampling, Analysis and Quality Plan	**SAQP**
Site Audit Statement	**SAS**
Site Audit Report	**SAR**
Site Specific Assessment	**SSA**
Source, Pathway, Receptor	**SPR**
Specific Contamination Concentration	**SCC**
Standard Penetration Test	**SPT**
Standing Water Level	**SWL**
Trip Blank	**TB**
Toxicity Characteristic Leaching Procedure	**TCLP**
Total Recoverable Hydrocarbons	**TRH**
Trip Spike	**TS**
Upper Confidence Limit	**UCL**
United States Environmental Protection Agency	**USEPA**
Underground Storage Tank	**UST**
Virgin Excavated Natural Material	**VENM**
Volatile Organic Compounds	**VOC**
World Health Organisation	**WHO**
Work Health and Safety	**WHS**

Units

Litres	**L**
Metres BGL	**mBGL**
Metres	**m**
Millivolts	**mV**
Millilitres	**ml or mL**
Milliequivalents	**meq**
micro Siemens per Centimetre	**µS/cm**
Micrograms per Litre	**µg/L**
Milligrams per Kilogram	**mg/kg**
Milligrams per Litre	**mg/L**
Parts Per Million	**ppm**
Percentage	**%**

1 INTRODUCTION

MHA PBR Pty Ltd ('the client') commissioned JK Environments (JKE) to undertake a Limited Environmental and Hazardous Materials Assessment at 122-130 Pyrmont Bridge Road and 206 Parramatta Road, Annandale, NSW ('the site'). The purpose of this assessment is to make a preliminary evaluation of site contamination and to assess the potential for hazardous building materials to be present onsite for due diligence purposes, prior to acquisition. The site location is shown on Figure 1 and the investigation was confined to the site boundaries as shown on Figure 2.

1.1 Aims and Objectives

The primary aims of the assessment were to identify any past or present potentially contaminating activities at the site, identify the potential for site contamination, make a preliminary assessment of the soil and groundwater contamination conditions and to identify hazardous materials present within the site buildings. The objectives were to:

- Provide an appraisal of the past site use(s) based on a review of historical records;
- Assess the current site conditions and use(s) via a site walkover inspection;
- Identify potential contamination sources/areas of environmental concern (AEC) and contaminants of potential concern (CoPC);
- Assess the soil and groundwater contamination conditions via implementation of a preliminary sampling and analysis program;
- Prepare a preliminary conceptual site model (CSM);
- Assess the potential risks posed by contamination to the receptors identified in the CSM;
- Assess the presence and condition of hazardous building materials on site; and
- Assess the need for additional investigation or management as part of the due diligence.

1.2 Scope of Work

The assessment was undertaken generally in accordance with a JKE proposal (Ref: EP53312PArev1) of 6 January 2021 and a Consultancy Services Agreement executed by the client, dated12 January 2021. The scope of work included the following:

- Review of site information, including background and site history information from various sources outlined in the report;
- Site walkover inspection including inspection of safely accessible building areas for the presence and condition of hazardous buildings materials;
- Preparation of a preliminary CSM;
- Design and implementation of a sampling and analysis program;
- Evaluation of the analytical results with reference to relevant NSW EPA endorsed guidelines; and
- Preparation of a report detailing the works undertaken and presenting the findings of this assessment, and an indication on potential capital expenditure required to further investigate the site.

2 SITE INFORMATION

2.1 Site Identification

Table 2-1: Site Identification

Current Site Owner (certificate of title):	Zac One Pty Ltd, 130 PBR Pty Ltd and Camperdown Administration Pty Ltd
Site Address:	122-128 & 130 Pyrmont Bridge Road, Annandale, NSW
Lot & Deposited Plan:	Lots 3, 4, 5, 6 and 12 in DP 976387; Lot 100 in DP 1101482; and Lot 1 in DP 539271
Current Land Use:	Commercial
Local Government Authority:	Inner West Council
Current Zoning:	IN2 – Light Industrial
Site Area (m^2) (approx.):	2,624
RL (AHD in m) (approx.):	14-16
Geographical Location (decimal degrees) (approx.):	Latitude: -33.886897 Longitude: 151.173508
Site Location Plan:	Figure 1
Sample Location Plan:	Figure 2
Contamination Location Plan	Figure 3

2.2 Site Location and Regional Setting

The site is located in a predominantly light industrial/commercial/residential area of Annandale and is bound by Pyrmont Bridge Road to the south-east, commercial buildings to the east/north-east, Cahill Street to the north, Mathieson Street to the west and Parramatta Road to the south. The site is located approximately 80m to the east of Johnstons Creek.

2.3 Topography

The regional topography is characterised by a west/north-west facing hillside that falls towards Johnstons Creek. The site has a gentle slope towards the north-west at approximately 3°. Parts of the site appeared to have been levelled to account for the slope and accommodate the existing buildings.

2.4 Site Inspection

A walkover inspection of the site was undertaken by JKE on 15 January 2021. The inspection was limited to accessible areas of the site and immediate surrounds. Selected site photographs obtained during the inspection are attached in the appendices.

A summary of the inspection findings is outlined in the following subsections:

2.4.1 Current Site Use and/or Indicators of Former Site Use

At the time of the inspection, the site comprised three adjoining commercial properties which were mainly occupied by retail tenancies including: "Energy Shop Australia" – heating/cooling/hot water systems specialists (206 Parramatta Road), "Olde English Tiles" – home tiles and finishes sales shop and warehouse (130 Pyrmont Bridge Road), music tutoring premises including on-grade car parking area (122-128 Pyrmont Bridge Road). Some of the above ground floor areas within buildings on site were used as residences and were not accessed during our inspection.

2.4.2 Buildings, Structures and Roads

The site was occupied by three double storey commercial buildings adjoining each other and built predominantly to their property boundaries. The eastern part of the site area was a secure fenced, on-grade car parking area.

Inspection of internal accessible building areas for the purposes of hazardous materials assessment is described further in Section 9 of this report.

2.4.3 Presence of Drums/Chemical Storage and Waste

Minor quantities (<1,000 Litres in total) of various general and domestic use cleaning chemicals were identified within various parts of the buildings on site. Most of these chemicals were stored within dedicated areas and no evidence of any major associated chemical spills or leaks were identified.

2.4.4 Evidence of Cut and Fill

Fill material is expected to be present across the site associated with developed areas such as beneath the existing buildings and pavements.

2.4.5 Visible or Olfactory Indicators of Contamination (odours, spills etc)

Two reinstated concreted core hole locations were identified in the vicinity of BH3/MW3 (Refer Figure 2) at 206 Parramatta Road within the internal customer parking area which suggests that this area was previously investigated. No pertaining information/reports were made available for our review as part of this assessment.

2.4.6 Drainage and Services

Surface water was not expected to accumulate at the site due to the presence of drainage in the form of stormwater inlets in various parts of the site area. The majority of surface water runoff is expected to eventuate at the bounding street frontages and ultimately discharged into the municipal stormwater system.

2.4.7 Sensitive Environments

Sensitive environments such as wetlands, ponds, creeks or extensive areas of natural vegetation were not identified on site or in the immediate surrounds.

2.5 Surrounding Land Use

During the site inspection, JKE observed the following land uses in the immediate surrounds:

- North – Cahill Street, across which were commercial and residential type properties including "VG Group" car detailing, "Simply Seated" event hire warehouse etc;
- South – Parramatta Road to the south across which whee mixed residential/commercial properties, and Pyrmont Bridge Road to the south-east across which was "7-Eleven" service station site;
- East – three storey commercial building tenanted by "Persian Carpet Gallery" shop on the ground floor and learning centre on the second; and
- West – Car servicing and mechanical repairs workshop ("Harold Park Repairs") and residential type properties.

JKE are of the opinion that the adjacent "7-Eleven" service station to the south-east, car detailing shop (i.e. "VG Group") to the north-east and the mechanical workshop ("Harold Park Repairs") to the west/south-west of the site are all considered to be potential off-site sources of contamination as these properties are located within 20m of the site boundary and are either up-gradient or cross-gradient of the site.

2.6 Underground Services

The 'Dial Before You Dig' (DBYD) plans were reviewed for the assessment in order to establish whether any major underground services exist at the site or in the immediate vicinity that could act as a preferential pathway for contamination migration. Major services were not identified that would be expected to act as preferential pathways for contamination migration.

2.7 Section 10.7 Planning Certificate

The section 10.7 (2 and 5) planning certificates were reviewed for the assessment. Copies of the certificates were made available as part of "Call Option" documents for each of the three properties comprising the site. A summary of the relevant information is outlined below:

- The land is not deemed to be: significantly contaminated; subject to a management order; subject of an approved voluntary management proposal; or subject to an on-going management order under the provisions of the CLM Act 1997;
- The land is not the subject of a Site Audit Statement (SAS); and
- The land is not located in a heritage conservation area.

3 GEOLOGY AND HYDROGEOLOGY

3.1 Regional Geology

Regional geological information was reviewed for the assessment. The information was sources from the Lotsearch report attached in the appendices. The report indicates that the site is underlain by Hawkesbury Sandstone, which typically consists of medium to coarse grained quartz sandstone with minor shale and laminite lenses.

3.2 Acid Sulfate Soil (ASS) Risk and Planning

A review of the acid sulfate soil (ASS) risk map prepared by Department of Land and Water Conservation (1997)[1] indicated that the site is located in an area classed as 'disturbed terrain'. Soil investigations are required to assess these areas for ASS potential.

ASS information presented in the Lotsearch report indicated that the site is located within Classes 3 and 5 ASS risk areas. Works in a Class 3 risk area that could pose an environmental risk in terms of ASS include works at depths beyond 1m below existing ground level or works by which the water table is likely to be lowered beyond 1m below existing ground level. Whilst works in a Class 5 risk area that could pose an environmental risk in terms of ASS include works within 500m of adjacent Class 1,2,3,4 land which are likely to lower the water table below 1m AHD on the adjacent Class 1,2,3,4 land.

3.3 Hydrogeology

Hydrogeological information presented in the Lotsearch report indicated that the regional aquifer on-site and in the areas immediately surrounding the site includes porous, extensive highly productive aquifers. There was a total of 10 registered bores within the report buffer of 1,000m. In summary:

- The nearest registered bore was located approximately 375m from the site. This was utilised for monitoring purposes;
- All of the bores were registered for monitoring purposes;
- There were no nearby bores (i.e. within 1,000m) registered for domestic or irrigation uses; and
- The drillers log information from the closest registered bores typically identified fill and clay soil to depths of 1.75-8.7m, underlain by sandstone or shale bedrock. Standing water levels (SWLs) in the bores ranged from 1.75m below ground level (BGL) to 2.4mBGL.

The information reviewed for this assessment indicates that the subsurface conditions at the site are likely to consist of relatively low permeability (residual) soils overlying shallow bedrock. The potential for viable groundwater abstraction and use of groundwater under these conditions is considered to be low. There is a reticulated water supply in the area and consumption of groundwater is not expected to occur. Use of groundwater is not proposed as part of the development.

Considering the local topography and surrounding land features, JKE anticipate groundwater to flow north-west towards the Johnstons Creek.

[1] Department of Land and Water Conservation, (1997). *1:25,000 Acid Sulfate Soil Risk Map (Series 9130S3, Ed 2)*

4 SITE HISTORY INFORMATION

4.1 Review of Historical Aerial Photographs

Historical aerial photographs were reviewed for the assessment. The information was sourced for the Lotsearch report. JKE has reviewed the photographs, and summarised relevant information in the following table:

Table 4-1: Summary of Historical Aerial Photographs

Year	Details
1930	**On-site:** The site appeared to be occupied by a number of commercial/industrial buildings. Due to poor quality of this image further details could not be evaluated. **Off-site:** Surrounding properties appeared to be similar to the site occupied by buildings and most likely commercial/industrial in nature.
1943	**On-site:** The site appeared to comprise a number of adjoining properties occupied by buildings built to the property boundaries. Buildings across the central and western parts of the site appeared to be commercial/industrial in nature and are similar to the ones currently present. The eastern part of the site appeared to be occupied by a number of residential type terraces. **Off-site:** Surrounding properties appeared to be a mixture of commercial/industrials type properties which where situated to the north, north-west, south-east and south-west of the site, and residential properties elsewhere.
1951	The site and surrounding features appeared generally similar to the previous photograph.
1955	The site and surrounding features appeared generally similar to the previous photograph.
1961	**On-site:** The eastern part of the site appeared to have been redeveloped and used as an on-grade parking area. **Off-site:** The property to the south-east across Pyrmont Bridge Road appeared to have been redeveloped into a service station. Neighbouring land to the east appeared to be occupied by a commercial/industrial building.
1965	The site and surrounding features appeared generally similar to the previous photograph.
1970	Land further to the north-east across and bounding Cahill Street appeared to be under redevelopment.
1978	Properties to the north-east and east of the site appeared to have been redeveloped occupied by commercial/industrial buildings. The property to the south-east appeared to have also been redeveloped, remaining in operation as a service station.
1982	Commercial/industrial type building appeared to have been developed on the property to the north-west of the site. The site and remaining surrounding features appeared generally similar to the previous photograph.
1986	The site and surrounding features appeared generally similar to the previous photograph.
1991	The site and surrounding features appeared generally similar to the previous photograph.
1994	The site and surrounding features appeared generally similar to the previous photograph.

Year	Details
2000	**On-site:** Refurbishment works including roof replacement were noted for some of the buildings on site. The small building previously present in the northern part of the site (i.e. 130 Pyrmont Bridge Road) appeared to have been demolished and the area was vacant. **Off-site:** The surrounding features appeared generally similar to the previous photograph.
2009	A new commercial building appeared to have been constructed on neighbouring property to the north/north-west across Cahill Street. The site and remaining surrounding features appeared generally similar to the previous photograph.
2015	A number of multi-storey commercial/residential type building appeared to have been developed to the south across Parramatta Road. No other significant changes were noted.
2020	The site and surrounding features appeared generally similar to the previous photograph.

4.2 Review of Historical Land Title Records

Historical land title records were reviewed for the assessment. The record search was undertaken by InfoTrack Pty Ltd. Copies of the title records are attached in the appendices. The title records indicate the following:

- Commercial corporate entities owned most lots comprising the site since at least 1950s.
- The western (206 Parramatta Road) and central (130 Pyrmont Bridge Road) parts of the site identified as Lot 1 in DP 539271 and Lot 100 in DP 1101482 respectively were noted to have been under the ownership of Lawrence Dry Cleaners Pty Ltd from 1955 through to 1969; and
- The lots comprising the site were under the ownership of their current registered proprietors from between 2005 and 2016.

The historical land title records identified dry cleaner activities attributed to areas of the site currently identified as Lot 1 in DP 539271 (206 Parramatta Road) and Lot 100 in DP 1101482 (130 Pyrmont Bridge Road) between 1955 and 1969 which potentially could have resulted in contamination of the land.

4.3 Review of Council Records

A search of council records is currently underway. The results will be summarised in a separate letter when received.

4.4 NSW EPA and Department of Defence Records

A review of the NSW EPA and Department of Defence databases was undertaken for the assessment. Information from the following databases were sourced from the Lotsearch report:

- Records maintained in relation to contaminated land under Section 58 of the CLM Act 1997;
- Records of sites notified in accordance with the Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997 (2015)[2];

[2] NSW EPA, (2015). *Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997.* (referred to as Duty to Report Contamination)

- Licensed activities under the Protection of the Environment Operations Act (1997)[3];
- Sites being investigated under the NSW EPA per-and polyfluoroalkyl substances (PFAS) investigation program;
- Sites being investigated by the Department of Defence for PFAS contamination; and
- Sites being managed by the Department of Defence for PFAS contamination.

The search included the site and surrounding areas in the report buffer. A summary of the key relevant information is provided below:

Table 4-2: NSW EPA and Department of Defence Records

Records	On-site	Off-site
Records under Section 58 of the CLM Act 1997	None	There were four properties listed in the report buffer one of which was a 7-Eleven service station located approximately 20m to the east and up-gradient of the site. It was indicated that regulation under the CLM Act is not required for this property. However due to the on-going use as a service station this property is considered to represent a potential off-site source of contamination.
Records under the Duty to Report Contamination under Section 60 of the CLM Act 1997	None	None
Licences under the POEO Act 1997	None	None
Records relating to the NSW EPA PFAS Investigation Program	None	None
Records relating to the Department of Defence PFAS management and investigation programs	None	None

4.5 Historical Business Directory and Additional Lotsearch Information

Historical business records and other relevant information were reviewed for the assessment. The information was sourced from the Lotsearch report and summarised in the following table:

[3] Protection of the Environment Operations Act 1997 (NSW) (referred to as POEO Act 1997)

Table 4-3: Historical Business Directory and other Records

Records	On-site	Off-site
Historical dry cleaners, motor garages and service stations	A dry cleaner (Lawrence Dry Cleaners) was noted to have historically been operating in the central/western parts of the site (i.e. 130 Pyrmont Bridge Road) between 1958 and until at least 1972.	A dry cleaner (Lawrence Dry Cleaners) was also noted to have historically operated from neighbouring property (208 Parramatta Road) situated approximately 9m south-west of the site between 1948 and until at least 1962. There were a number of motor garages/service stations as well as dry cleaners identified within the report buffer between 1948-1993. Twenty-four were identified within 250m radius of the site. to the north, north-west, west, south-west, south and south-east. Due to the distance and down-gradient location most of these properties are not considered to represent an off-site source of contamination. However, some up-gradient and cross-gradient properties may present a potential area of concern (i.e. to the south-east, south and south-west).
Other historical businesses that could represent potential sources of contamination	Various identified historical commercial/industrial activities including electroplating (1950-1961).	Various historical commercial/industrial activities.
National waste management site database	None	None
National liquid fuel facilities	None	One active petrol station “7-Eleven” was listed located approximately 20m east of the site and is considered to represent an off-site source of contamination.
Mapped heritage items	None	Various heritage items were mapped in the report buffer. These are not considered to have any relevance in the context of this assessment.
Mapped ecological constraints	None	Various ecological items were mapped in the report buffer These are not considered to have any relevance in the context of this assessment.
Mapped naturally occurring asbestos	None	None

4.6 Summary of Site History Information

A time line summary of the historical land uses and activities is presented in the following table. The information presented in the table is based on a weight of evidence assessment of the site history documentation and observations made by JKE.

Table 4-4: Summary of Historical Land Uses / Activities

Year(s)	On-site - Potential Land Use / Activities	Off-site - Potential Land Use / Activities
1930-Current	The majority of the site area appeared to have been commercial/industrial in nature since at least 1930s. Some identified uses which could have potentially resulted in contamination included: dry cleaners (1958-1972), electroplating (1950-1961) and other commercial/industrial activities. The eastern part of the site appeared to have been residential in nature until it was redeveloped and used as an on-grade car parking area from 1961.	Surrounding properties appeared to be similar to the site mostly commercial/industrial in nature since at least 1930s with some residential land uses also noted to be present. Some of the identified current/historical uses on neighbouring properties which could potentially present a risk of contamination include: "7-Eleven" service station located 20m to the south-east, "VG Group" car detailing shop 20m to the north-east, "Harold Park Repairs" mechanical workshop and historical dry cleaners on the property 9m to the west/south-west.

4.7 Integrity of Site History Information

The majority of the site history information was obtained from government organisations as outlined in the relevant sections of this report. The veracity of the information from these sources is considered to be relatively high. A certain degree of information loss can be expected given the lack of specific land use details over time. JKE have relied upon the Lotsearch report and have not independently verified any information contained within. However, it is noted that the Lotsearch report is generated based on databases maintained by various government agencies and is expected to be reliable.

5 PRELIMINARY CONCEPTUAL SITE MODEL

NEPM (2013) defines a CSM as a representation of site related information regarding contamination sources, receptors and exposure pathways between those sources and receptors. The CSM for the site is presented in the following sub-sections and is based on the site information (including the site inspection information) and the review of site history information. Reference should also be made to the figures attached in the appendices.

5.1 Potential Contamination Sources/AEC and CoPC

The potential contamination sources/AEC and CoPC are presented in the following table:

Table 5-1: Potential (and/or known) Contamination Sources/AEC and Contaminants of Potential Concern

Source / AEC	CoPC
Fill material – The site appears to have been historically filled to achieve the existing levels. The fill may have been imported from various sources and could be contaminated.	Heavy metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc), petroleum hydrocarbons (referred to as total recoverable hydrocarbons – TRHs), benzene, toluene, ethylbenzene and xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs), organophosphate pesticides (OPPs), polychlorinated biphenyls (PCBs) and asbestos. Total phenol has also been considered at the request of the client.
Historical commercial/industrial activities across the site – potentially contaminating activities historically took place across parts of the site including dry cleaners, electroplating etc.	Heavy metals, TRH, BTEX, PAHs, PCBs and Volatile Organic Compounds (VOCs), including chlorinated solvents.
Hazardous Building Material – Hazardous building materials may be present as a result of former building and demolition activities. These materials may also be present in the existing buildings/structures on site.	Asbestos, lead and PCBs
Use of pesticides – Pesticides may have been used beneath the buildings and/or around the site.	Heavy metals and OCPs
Off-site commercial/industrial activities on neighbouring properties – current/historical potentially contaminating activities were identified for neighbouring properties including: “7-Eleven” service station (20m to the south-east), “Harold Park Repairs” mechanical workshop (20m to the west), “VG Group” car detailing (20m to the north-east), historical dry cleaners (9m to the west) etc. Fuels, oils and solvents may have been used during these activities.	Heavy metals, TRH, BTEX, PAHs and VOCs.

5.2 Affected Media, Receptors and Exposure Pathways

Affected media, receptors and exposure pathways relevant to the potential contamination sources/AEC are outlined in the following CSM table:

Table 5-2: CSM

Affected media	Soil, groundwater and soil vapour have been identified as potentially affected media.
Receptor identification	The proposed land use has not been confirmed, therefore we have assumed a potentially sensitive future scenario which may include mixed use, including residential. Human receptors include site occupants/users (including adults and children), construction workers and intrusive maintenance workers. Off-site human receptors include adjacent land users. Ecological receptors include terrestrial organisms and plants within unpaved site areas (i.e. future proposed landscaped areas if any), and freshwater ecology in Johnstons Creek.
Potential exposure pathways	Potential exposure pathways relevant to the human receptors include ingestion, dermal absorption and inhalation of dust (all contaminants) and vapours (volatile TRH, naphthalene, VOCs including chlorinated solvents and BTEX). The potential for exposure would typically be associated primarily with the development/excavation works, and current/future uses of the site. Potential exposure pathways for ecological receptors include primary/direct contact and ingestion. Exposure during current site use could occur via inhalation of vapours within enclosed spaces (i.e. within currently present buildings). There is currently no exposed soil. Exposure during future site use could occur via direct contact with soil in unpaved areas such as gardens/landscaping areas, inhalation of airborne asbestos fibres during soil disturbance, or inhalation of vapours within enclosed spaces such as buildings and basements. Exposure to groundwater may potentially occur through direct migration and potential exposure to groundwater seepage within future basements on site. Exposure to groundwater could also occur in Johnstons Creek through direct migration, however, connectivity between the aquifer and the creek has not been confirmed at this time. Groundwater has the potential to enter the creek via the stormwater system (which is expected to discharge into the creek) in a drained basement scenario and/or a situation where groundwater seepage is captured and discharged to stormwater.
Potential exposure mechanisms	The following have been identified as potential exposure mechanisms for site contamination: • Vapour intrusion into site buildings and/or potential future proposed basements (either from soil contamination or volatilisation of contaminants from groundwater); • Contact (dermal, ingestion or inhalation) with exposed soils (i.e. potentially in future proposed landscaped areas and/or unpaved areas); and • Migration of groundwater off-site and into nearby water bodies, including aquatic ecosystems.

Presence of preferential pathways for contaminant movement	Generally speaking, local underground services such stormwater and services cable trenches/pipes have the potential to act as preferential pathways for contaminant migration at the site. However, the potential for migration would depend on the fate and transport properties of the CoPC. Major services including sewer and stormwater mains, high-voltage power and/or major telecommunications were not shown on the DBYD plans traversing the site.

6 SAMPLING, ANALYSIS AND QUALITY PLAN

6.1 Data Quality Objectives (DQO)

Data Quality Objectives (DQOs) were developed to define the type and quality of data required to achieve the project objectives outlined in Section 1.1. The DQOs were prepared with reference to the process outlined in Schedule B2 of NEPM (2013) and the Guidelines for the NSW Site Auditor Scheme, 3rd Edition (2017)[4]. The seven-step DQO approach for this project is outlined in the following sub-sections.

The DQO process is validated in part by the Data Quality Assurance/Quality Control (QA/QC) Evaluation. The Data (QA/QC) Evaluation is summarised in Section 8.1 and a more detailed evaluation is provided in the appendices.

6.1.1 Step 1 - State the Problem

Preliminary CSM presented in this report identified potential sources of contamination/AEC at the site that may pose a risk to human health and the environment. Investigation data was required to assess the contamination status of the site and risks posed by CoPC in the context of ongoing commercial/industrial land use and potential future re-development including for a more sensitive land use such as residential/private health care facility, as part of the due diligence.

A hazardous building materials assessment is also required as part of the due diligence program.

The scope of the assessment was constrained by the due diligence timeline imposed by the client.

6.1.2 Step 2 - Identify the Decisions of the Study

The objectives of the assessment are outlined in Section 1.1. The decisions to be made reflect these objectives and are as follows:

- Did the site inspection, or does the historical information identify potential contamination sources/AEC at the site?
- Are any results above the Site Assessment Criteria (SAC)?
- Do potential risks associated with contamination exist, and if so, what are they?
- Is there a need for additional investigations and/or management with regards to contamination as part of the due diligence.

6.1.3 Step 3 - Identify Information Inputs

The primary information inputs required to address the decisions outlined in Step 2 include the following:

- Site information, including site observations and site history documentation;
- Sampling of potentially affected media, including soil and groundwater. Soil vapour assessment was outside the scope of this initial due diligence assessment;
- Observations of sub-surface variables such as soil type, photo-ionisation detector (PID) concentrations, odours and staining, and groundwater physiochemical parameters;

[4] NSW EPA (2017). *Guidelines for the NSW Site Auditor Scheme, 3rd ed.* (referred to as Site Auditor Guidelines 2017)

- Laboratory analysis of soils and groundwater for the CoPC identified in the CSM; and
- Field and laboratory QA/QC data.

6.1.4 Step 4 - Define the Study Boundary

The sampling will be confined to the site boundaries as shown in Figure 2 and will be limited vertically to a depth of 5.5mBGL achieved during drilling (spatial boundary). The sampling was completed on 12 January 2021 and 15 January 2021 (temporal boundary). The assessment of potential risk to adjacent land users has been made based on data collected within the site boundary.

6.1.5 Step 5 - Develop an Analytical Approach (or Decision Rule)

6.1.5.1 Tier 1 Screening Criteria

The laboratory data will be assessed against relevant Tier 1 screening criteria (referred to as SAC), as outlined in Section 7. SAC exceedances do not necessarily indicate a requirement for remediation or a risk to human health and/or the environment. Exceedances are considered in the context of the CSM and valid SPR-linkages.

For this assessment, the individual results have been reported as either above or below the SAC. Statistical evaluation of the dataset via calculation of mean values and/or 95% upper confidence limit (UCL) values has not been undertaken due to the spatial distribution of the data and the number of samples submitted for analysis.

6.1.5.2 Field and Laboratory QA/QC

Field QA/QC included analysis of intra-laboratory duplicates, trip spike and trip blank samples. Further details regarding the sampling and analysis undertaken, and the acceptable limits adopted, is provided in the Data Quality (QA/QC) Evaluation in the appendices.

The suitability of the laboratory data is assessed against the laboratory QA/QC criteria which is outlined in the attached laboratory reports. These criteria were developed and implemented in accordance with the laboratory's National Association of Testing Authorities, Australia (NATA) accreditation and align with the acceptable limits for QA/QC samples as outlined in NEPM (2013) and other relevant guidelines.

In the event that acceptable limits are not met by the laboratory analysis, other lines of evidence are reviewed (e.g. field observations of samples, preservation, handling etc) and, where required, consultation with the laboratory is undertaken in an effort to establish the cause of the non-conformance. Where uncertainty exists, JKE typically adopt the most conservative concentration reported (or in some cases, consider the data from the affected sample as an estimate).

6.1.5.3 Appropriateness of Practical Quantitation Limits (PQLs)

The PQLs of the analytical methods are considered in relation to the SACs to confirm that the PQLs are less than the SAC. In cases where the PQLs are greater than the SAC, a discussion of this is provided.

6.1.6 Step 6 – Specify Limits on Decision Errors

To limit the potential for decision errors, a range of quality assurance processes are adopted. A quantitative assessment of the potential for false positives and false negatives in the analytical results is undertaken with reference to Schedule B(3) of NEPM (2013) using the data quality assurance information collected.

Decision errors can be controlled through the use of hypothesis testing. The test can be used to show either that the baseline condition is false or that there is insufficient evidence to indicate that the baseline condition is false. The null hypothesis is an assumption that is assumed to be true in the absence of contrary evidence. For this assessment, the null hypothesis has been adopted which is that, there is considered to be a complete SPR linkage for the CoPC identified in the CSM unless this linkage can be proven not to (or unlikely to) exist. The null hypothesis has been adopted for this assessment.

6.1.7 Step 7 - Optimise the Design for Obtaining Data

The most resource-effective design will be used in an optimum manner to achieve the objectives. Adjustment of the investigation design can occur following consultation or feedback from project stakeholders. For this assessment, the design was optimised via consideration of the various lines of evidence used to select the sample locations, the media being sampled, and also by the way in which the data were collected.

The sampling plan and methodology are outlined in the following sub-sections.

6.2 Soil Sampling Plan and Methodology

The soil sampling plan and methodology adopted for this assessment is outlined in the table below:

Table 6-1: Soil Sampling Plan and Methodology

Aspect	Input
Sampling Density	Samples were collected from five locations as shown on the attached Figure 2. Based on the site area (2,624m^2), this number of locations corresponded to a sampling density of approximately one sample per 525m^2. The sampling plan was designed for due diligence purposes only and does not meet the minimum sampling density for hotspot identification, as outlined in the NSW EPA Contaminated Sites Sampling Design Guidelines (1995)[5].
Sampling Plan	The sampling locations were placed on a judgemental sampling plan and were broadly positioned for site coverage, taking into consideration areas that were not easily accessible. This sampling plan was considered suitable to make a preliminary assessment of potential risks associated with the AEC and CoPC identified in the CSM, and assess whether further investigation is warranted.
Set-out and Sampling Equipment	Sampling locations were set out using a tape measure. In-situ sampling locations were checked for underground services by an external contractor prior to sampling. Samples were collected using a drill rig equipped with spiral flight augers. Soil samples were obtained from a Standard Penetration Test (SPT) split-spoon sampler, or directly from the auger when conditions did not allow use of the SPT sampler.
Sample Collection and Field QA/QC	Soil samples were obtained on 12 January 2021 in accordance with standard field procedures. Soil samples were collected from the fill and natural profiles based on field observations. The sample depths are shown on the logs attached in the appendices.

[5] NSW EPA, (1995), *Contaminated Sites Sampling Design Guidelines.* (referred to as EPA Sampling Design Guidelines 1995)

Aspect	Input
	Samples were placed in glass jars with plastic caps and teflon seals with minimal headspace. Samples for asbestos analysis were placed in zip-lock plastic bags. During sampling, soil at selected depths was split into primary and duplicate samples for field QA/QC analysis. The field splitting procedure included splitting the soil by hand and alternately filling the sampling containers to obtain a representative split sample.
Field Screening	A portable Photoionisation Detector (PID) fitted with a 10.6mV lamp was used to screen the samples for the presence of volatile organic compounds (VOCs). PID screening for VOCs was undertaken on soil samples using the soil sample headspace method. VOC data was obtained from partly filled zip-lock plastic bags following equilibration of the headspace gases. PID calibration records are maintained on file by JKE. Fill/spoil at the sampling locations was visually inspected during the works for the presence of fibre cement fragments.
Decontami-nation and Sample Preservation	Sampling personnel used disposable nitrile gloves during sampling activities. Soil samples were preserved by immediate storage in an insulated sample container with ice or ice bricks. On completion of the fieldwork, the samples were stored temporarily in fridges in the JKE warehouse before being delivered in the insulated sample container to a NATA registered laboratory for analysis under standard chain of custody (COC) procedures.

6.3 Groundwater Sampling Plan and Methodology

The groundwater sampling plan and methodology is outlined in the table below:

Table 6-2: Groundwater Sampling Plan and Methodology

Aspect	Input
Sampling Plan	Groundwater monitoring wells were installed in BH2 (MW2) and BH3 (MW3). The wells were positioned to gain a snap-shot of the groundwater conditions. Considering the topography and the location of the nearest down-gradient water body, MW2 was considered to be in the up-gradient area of the site and would be expected to provide an indication of groundwater flowing onto (beneath) the site from the east. MW3 was considered to be in the intermediate to down-gradient area of the site and would be expected to provide an indication of groundwater flowing across (beneath) the site and beyond the down-gradient site boundary.
Monitoring Well Installation Procedure	The monitoring well construction details are documented on the appropriate borehole logs attached in the appendices. The monitoring wells were installed to depths of approximately 3.37-5.36m below ground level where auger refusal was met in bedrock. The wells were generally constructed as follows: • 50mm diameter Class 18 PVC (machine slotted screen) was installed in the lower section of the well to intersect groundwater; • 50mm diameter Class 18 PVC casing was installed in the upper section of the well (screw fixed); • A 2mm sand filter pack was used around the screen section for groundwater infiltration; • A hydrated bentonite seal/plug was used on top of the sand pack to seal the well; and • A gatic cover was installed at the surface with a concrete plug to limit the inflow of surface water.
Monitoring Well Development	The monitoring wells were developed on 12 January 2021 using a submersible electrical pump. Due to the hydrogeological conditions, groundwater inflow into the wells was relatively low, therefore the wells were pumped until they were effectively dry.

Aspect	Input
Groundwater Sampling	The monitoring wells were allowed to recharge for approximately three to four days after development. Groundwater samples were obtained on 15 January 2021. Prior to sampling, the monitoring wells were checked for the presence of Light Non-Aqueous Phase Liquids (LNAPLs) using an inter-phase probe electronic dip meter. The monitoring well head space was checked for VOCs using a calibrated PID unit. The samples were obtained using a peristaltic pump. During sampling, the following parameters were monitored using calibrated field instruments: • SWL using an electronic dip meter; and • pH, temperature, electrical conductivity (EC), dissolved oxygen (DO) and redox potential (Eh) using a YSI Multi-probe water quality meter. Steady state conditions were considered to have been achieved when the difference in the pH measurements was less than 0.2 units, the difference in conductivity was less than 10%, and when the SWL was not in drawdown. Groundwater samples were obtained directly from the single use PVC tubing and placed in the sample containers. Duplicate samples were obtained by alternate filling of sample containers. This technique was adopted to minimise disturbance of the samples and loss of volatile contaminants associated with mixing of liquids in secondary containers, etc. Groundwater removed from the wells during development and sampling was transported to JKE in jerry cans and stored in holding drums prior to collection by a licensed waste water contractor for off-site disposal. The field monitoring record and calibration data are attached in the appendices.
Sample Preservation	The samples were preserved with reference to the analytical requirements and placed in an insulated container with ice or ice bricks. On completion of the fieldwork, the samples were temporarily stored in a fridge at the JKE office, before being delivered in the insulated sample container to a NATA registered laboratory for analysis under standard COC procedures.

6.4 Laboratory Analysis

Samples were analysed by an appropriate, NATA Accredited laboratory using the analytical methods detailed in Schedule B(3) of NEPM 2013. Reference should be made to the laboratory reports attached in the appendices for further details.

Table 6-3: Laboratory Details

Samples	Laboratory	Report Reference
All primary samples and field QA/QC samples including (intra-laboratory duplicates, trip blanks and trip spikes)	Envirolab Services Pty Ltd NSW, NATA Accreditation Number – 2901 (ISO/IEC 17025 compliance)	259409 and 259572

7 SITE ASSESMENT CRITERIA (SAC)

The SAC were adopted from the NEPM 2013 and other guidelines as discussed in the following sub-sections. The guideline values for individual contaminants are presented in the attached report tables and further explanation of the various criteria adopted is provided in the appendices.

7.1 Soil

Soil data were compared to relevant Tier 1 screening criteria in accordance with NEPM (2013) as outlined below.

7.1.1 Human Health

- Health Investigation Levels (HILs) for a 'commercial/industrial' exposure scenario (HIL-D) and 'residential with minimal opportunities for soil access' exposure scenario (HIL-B);
- Health Screening Levels (HSLs) for a 'commercial/industrial' exposure scenario (HSL-D) and 'low-high density residential' exposure scenario (HSL-A & HSL-B). HSLs were calculated based on conservative assumptions including a 'sand' type and a depth interval of 0m to 1m;
- HSLs for direct contact presented in the CRC Care Technical Report No. 10 – Health screening levels for hydrocarbons in soil and groundwater Part 1: Technical development document (2011)[6]; and
- Asbestos was assessed on the basis of presence/absence. Asbestos HSLs were not adopted as detailed asbestos quantification was not undertaken.

7.1.2 Environment (Ecological – terrestrial ecosystems)

- Ecological Investigation Levels (EILs) and Ecological Screening Levels (ESLs) for a 'commercial/industrial' and for an 'urban residential and public open space' (URPOS) exposure scenario. These have only been applied to the top 2m of soil as outlined in NEPM (2013). The criterion for benzo(a)pyrene has been increased from the value presented in NEPM (2013) based on the Canadian Soil Quality Guidelines[7];
- ESLs were adopted based on a coarse soil type which is most conservative;
- EILs for selected metals were calculated based on the most conservative added contaminant limit (ACL) values presented in Schedule B(1) of NEPM (2013) and published ambient background concentration (ABC) values presented in the document titled Trace Element Concentrations in Soils from Rural and Urban Areas of Australia (1995)[8]. This method is considered to be adequate given the main objectives of this assessment.

[6] Cooperative Research Centre for Contamination Assessment and Remediation of the Environment (CRC Care), (2011). Technical Report No. 10 - *Health screening levels for hydrocarbons in soil and groundwater Part 1: Technical development document*

[7] Canadian Council of Ministers of the Environment, (1999). *Canadian soil quality guidelines for the protection of environmental and human health: Benzo(a)Pyrene (1997)* (referred to as the Canadian Soil Quality Guidelines)

[8] Olszowy, H., Torr, P., and Imray, P., (1995), *Trace Element Concentrations in Soils from Rural and Urban Areas of Australia. Contaminated Sites Monograph Series No. 4*. Department of Human Services and Health, Environment Protection Agency, and South Australian Health Commission

7.1.3 Management Limits for Petroleum Hydrocarbons

Management limits for petroleum hydrocarbons (as presented in Schedule B1 of NEPM 2013) were considered.

7.2 Groundwater

Groundwater data were compared to relevant Tier 1 screening criteria in accordance with NEPM (2013), following an assessment of environmental values in accordance with the Guidelines for the Assessment and Management of Groundwater Contamination (2007)[9]. Environmental values for this investigation include aquatic ecosystems and human-health risks in non-use scenarios.

7.2.1 Human Health

- The NEPM (2013) HSLs were not considered as there is not 2m of soil across the site and the groundwater was recorded within sandstone bedrock. On this basis, JKE have undertaken a site-specific assessment (SSA) for the Tier 1 screening of human health risks posed by volatile contaminants in groundwater. The assessment included selection of alternative Tier 1 criteria that were considered suitably protective of human health. These criteria are based on drinking water guidelines and have been referred to as HSL-SSA. The criteria were based on the following (as shown in the attached report tables):
    - Australian Drinking Water Guidelines 2011 (updated 2018)[10] for BTEX compounds and selected VOCs;
    - World Health Organisation (WHO) document titled Petroleum Products in Drinking-water, Background document for the development of WHO Guidelines for Drinking Water Quality (2008)[11] for petroleum hydrocarbons;
    - USEPA Region 9 screening levels for naphthalene (threshold value for tap water); and
    - The use of the laboratory PQLs for other contaminants where there were no Australian guidelines.

7.2.2 Environment (Ecological - aquatic ecosystems)

Groundwater Investigation Levels (GILs) for 95% protection of freshwater species were adopted based on the Default Guideline Values in the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2018)[12]. The 99% trigger values were adopted where required to account for bioaccumulation. Low and moderate reliability trigger values were also adopted for some contaminants where high-reliability trigger values don't exist.

[9] NSW Department of Environment and Conservation, (2007). *Guidelines for the Assessment and Management of Groundwater Contamination.*

[10] National Health and Medical Research Council (NHMRC), (2018). *National Water Quality Management Strategy, Australian Drinking Water Guidelines 2011* (referred to as ADWG 2011)

[11] World Health Organisation (WHO), (2008). *Petroleum Products in Drinking-water, Background document for the development of WHO Guidelines for Drinking Water Quality* (referred to as WHO 2008)

[12] Australian and New Zealand Governments (ANZG), (2018). *Australian and New Zealand Guidelines for Fresh and Marine Water Quality.* Australian and New Zealand Governments and Australian state and territory governments, Canberra ACT, Australia (referred to as ANZG 2018)

8 RESULTS

8.1 Summary of Data (QA/QC) Evaluation

The data evaluation is presented in the appendices. In summary, JKE are of the opinion that the data are adequately precise, accurate, representative, comparable and complete to serve as a basis for interpretation to achieve the assessment objectives.

8.2 Subsurface Conditions

A summary of the subsurface conditions encountered during the investigation is presented in the following table. Reference should be made to the borehole logs attached in the appendices for further details.

Table 8-1: Summary of Subsurface Conditions

Profile	Description
Pavement	Concrete pavement was encountered at the surface in all boreholes.
Fill	Fill was encountered beneath the pavement in all boreholes and extended to depths of approximately 0.3mBGL to 0.6mBGL. The fill typically comprised sand, silty sand and gravelly silty sand with inclusions of igneous and sandstone gravel, concrete fragments and clay nodules.
Natural Soil	Residual soil comprising silty sandy clay was encountered below the fill in BH2 only. The residual soil profile typically extended to the top of the weathered sandstone bedrock.
Bedrock	Sandstone bedrock was encountered in all boreholes at depths of 0.3mBGL to 0.8mBGL.
Groundwater	Groundwater seepage was not encountered in the boreholes during drilling. All boreholes remained dry on completion of drilling and a short time after.

8.3 Field Screening

A summary of the field screening results is presented in the following table:

Table 8-2: Summary of Field Screening

Aspect	Details
PID Screening of Soil Samples for VOCs	PID soil sample headspace readings are presented in attached report tables and the COC documents attached in the appendices. The results ranged from 0.0ppm to 1.2ppm equivalent isobutylene. These results indicate that relatively low concentrations of PID detectable VOCs were present in some samples.
Groundwater Depth	A SWL was measured in MW2 at 4.81mBGL approximately three hours after completion of drilling, during development of this well. The remaining boreholes were dry during and a short time after completion of drilling. SWLs measured on the 15 January 2021 in the monitoring wells installed at the site ranged from 2.12mBGL to 2.35mBGL.
Groundwater Field Parameters	Field measurements recorded during sampling were as follows: - pH ranged from 6.04 to 6.05; - EC ranged from 606µS/cm to 682µS/cm; - Eh ranged from 52.1mV to 96.3mV; and

Aspect	Details
	- DO ranged from 4.0ppm to 4.2ppm.
LNAPLs petroleum hydrocarbons	Phase separated product (i.e. LNAPL) were not detected using the interphase probe during groundwater sampling.

8.4 Soil Laboratory Results

The soil laboratory results were assessed against the SAC presented in Section 7.1. All SAC are shown in summary report tables attached in the appendices. A summary of the results is presented below:

8.4.1 Human Health and Environmental (Ecological) Assessment

Table 8-3: Summary of Soil Laboratory Results – Human Health and Environmental (Ecological)

Analyte	N	Max. (mg/kg)	N> Human Health Criteria	N> Ecological Criteria	Comments
Arsenic	10	6	0	NSL	-
Cadmium	10	0.8	0	NSL	-
Chromium (total)	10	45	0	0	-
Copper	10	210	0	1	Copper concentration exceeded the adopted EIL in one fill sample collected from BH4.
Lead	10	340	0	0	-
Mercury	10	0.8	0	NSL	-
Nickel	10	63	0	2	Nickel concentrations exceeded the adopted EIL in two fill samples collected from BH4 and BH5.
Zinc	10	390	0	3	Zinc concentrations exceeded the adopted EIL in three fill samples collected from BH3 and BH4.
Total Phenol	5	<5	0	NSL	-
Total PAHs	10	20	0	NSL	-
Benzo(a)pyrene	10	1.7	NSL	0	-
Carcinogenic PAHs (as BaP TEQ)	10	2.6	0	NSL	-
Naphthalene	10	<PQL	0	NSL	-

Analyte	N	Max. (mg/kg)	N> Human Health Criteria	N> Ecological Criteria	Comments
DDT+DDE+DDD	5	<PQL	0	NSL	-
DDT	5	<PQL	NSL	0	-
Aldrin and dieldrin	5	7.2	0	NSL	-
Chlordane	5	<PQL	0	NSL	-
Heptachlor	5	<PQL	0	NSL	-
PCBs	5	<PQL	0	NSL	-
TRH F1	10	<PQL	0	0	-
TRH F2	10	<PQL	0	0	-
TRH F3	10	610	0	2	TRH F3 concentrations exceeded the adopted EIL in two fill samples collected from BH2 and BH4.
TRH F4	10	1,300	0	0	-
Benzene	10	<PQL	0	0	-
Toluene	10	<PQL	0	0	-
Ethylbenzene	10	<PQL	0	0	-
Xylenes	10	<PQL	0	0	-
Asbestos (in soil)	5	Detected	0	NA	Chrysotile asbestos was detected in two fill sample from BH3 and BH4. Identified asbestos occurrences were considered to be friable (fibrous asbestos/asbestos fines - FA/AF) in BH3 and bonded asbestos (ACM) in BH4.

Notes:

N: Total number (primary samples)

NSL: No set limit

NL: Not limiting

8.5 Groundwater Laboratory Results

The soil laboratory results were assessed against the SAC presented in Section 7.2. SAC are shown in the report tables attached in the appendices. A summary of the results is presented below:

Table 8-4: Summary of Groundwater Laboratory Results – Human Health and Environmental (Ecological)

Analyte	N	Max. (µg/L)	N> Human Health Criteria	N> Ecological Criteria	Comments
Arsenic	2	<PQL	0	0	-
Cadmium	2	0.3	0	1	The cadmium concentration exceeded the adopted GIL in MW2.
Chromium (total)	2	16	0	1	The chromium concentration exceeded the adopted GIL in MW3.
Copper	2	3			The copper concentration exceeded the adopted GIL in MW3.
Lead	2	<PQL	0	0	-
Mercury	2	<PQL	0	0	-
Nickel	2	2	0	0	-
Zinc	2	520	0	2	Zinc concentrations exceeded the adopted GIL in both MW2 and MW3.
Total PAHs	2	<PQL	0	0	-
Benzo(a)pyrene	2	<PQL	0	0	-
TRH F1	2	<PQL	0	0	-
TRH F2	2	270	2	0	TRH F2 concentrations exceeded the adopted site specific HSL-SSA criterion in both MW2 and MW3.
TRH F3	2	<PQL	NSL	0	-
TRH F4	2	<PQL	NSL	0	-
Benzene	2	1	0	0	A detectable benzene concentration below the SAC was identified in MW3.
Toluene	2	1	0	0	A detectable toluene concentration below the SAC was identified in MW3.
Ethylbenzene	2	<PQL	0	0	-
Total Xylenes	2	2	0	0	A detectable concentration of xylenes below SAC was identified in MW3
pH	2	6.7	0	0	-

Analyte	N	Max. (µg/L)	N> Human Health Criteria	N> Ecological Criteria	Comments
EC	2	600	0	0	-
VOCs	2	5	0	0	Detectable concentrations of cis-1,2-dichloroethene, trichloroethene (TCE), tetrachloroethene (PCE) and chloroform were identified in MW3. However, all results were below the adopted HSL-SSA criteria. All other VOC concentrations were below the laboratory PQL.

Notes:

N: Total number (primary samples)

NSL: No set limit

NL: Not limiting

9 HAZARDOUS MATERIALS ASSESSMENT

For the purposes of this assessment, hazardous materials were limited to asbestos, lead in paint, synthetic mineral fibre (SMF), PCBs and ozone depleting substances (OSD) which may be present within the site buildings. No previous Asbestos / Hazardous Materials Surveys and/or Management Plans were provided for review.

A walkover inspection of the site buildings was undertaken by JKE on 15 January 2021. The inspection was limited to safely accessible building areas and comprised visual assessment of the presence and condition of hazardous buildings materials. Inspection included tenanted/occupied building areas, back of house areas, stock storage areas, car parking areas and excluded some of the first and second floor areas within building at 206 Parramatta Road. Roof structures were inspected from a distance were possible as no safe access was available. Selected site photographs obtained during the inspection are attached in the appendices. Descriptions of the hazardous materials assessment undertaken is contained in the following sections.

9.1 Asbestos

In Australia, asbestos cement materials were first manufactured in the 1920s and were commonly used in the manufacture of residential building materials from the mid-1940s until the late 1980s. During the 1980s asbestos cement materials were phased out in favour of asbestos-free products. From 31 December 2003, the total ban on manufacture, use, reuse, import, transport, storage or sale of all forms of asbestos came into force. The site buildings are understood to have been present since at least 1930s, therefore the potential for asbestos containing building materials to be present is considered to be high.

Our inspection identified potential asbestos containing materials (PACMs), observed to be present as fibre cement sheet (FCS) ceiling panels on the ground floor of 206 Parramatta Road within the amenities area. FCS was also observed in other parts of the buildings on site. Identified PACMs were not labelled. In general, all inspected PACMs were non-friable and appeared to be in good or fair condition.

Due to the age of the buildings, there remains a potential that asbestos containing materials are present in areas of the buildings not inspected, covered up, or that were inaccessible.

9.2 Lead in Paint

Significantly deteriorated paint systems that are likely to impact on demolition/refurbishment practices or that would be considered a health or environmental hazard were not identified.

9.3 Synthetic Mineral Fibre (SMF)

During our inspection, SMF was observed to be present throughout the site as sarking insulation beneath the roof, around pipe/ductwork, within hot water systems and boiler units and as ceiling tiles. Observed SMF was considered to be mostly in a good or fair condition and in general presented a low risk as contact with site occupants is limited.

9.4 Polychlorinated Biphenyls (PCBs)

The use of PCBs in electrical equipment (i.e. transformers, lighting capacitors etc.) within Australia was phased out in the early to mid-1970s. Site buildings were constructed prior to the phase out of PCBs, therefore there is a potential for PCBs to be present within the buildings on site. However, our inspection did not identify any potential PCB containing equipment to be present.

9.5 Ozone Depleting Substances (ODS)

Some of the split air conditioning systems on site were found to contain R22 refrigerant gas. R22 is a hydro chlorofluorocarbon (HCFC) which is considered to be ozone depleting.

10 DISCUSSION

10.1 Contamination Sources/AEC and Potential for Site Contamination

Based on the scope of work undertaken for this assessment, JKE identified the following potential contamination sources/AEC:

- Imported fill material (entire site);
- Various historical commercial/industrial activities across the site including dry cleaner's, electroplating etc. (entire site);
- Hazardous building materials (entire site);
- Use of pesticides (entire site); and
- Current and historical off-site commercial/light industrial activities on neighbouring properties including "7-Eleven" service station (20m to the south-east), "Harold Park Repairs" mechanical workshop (20m to the west), "VG Group" car detailing (20m to the north-east), historical dry cleaner's (29 to the west) etc.

Considering the above, and based on a qualitative assessment of various lines of evidence as discussed throughout this report, JKE are of the opinion that there is a potential for site contamination. The preliminary soil and groundwater data collected for the assessment is discussed further in the following subsection, as part of the Tier 1 risk assessment.

10.2 Tier 1 Risk Assessment and Review of CSM

For a contaminant to represent a risk to a receptor, the following three conditions must be present:

1. Source – The presence of a contaminant;
2. Pathway – A mechanism or action by which a receptor can become exposed to the contaminant; and
3. Receptor – The human or ecological entity which may be adversely impacted following exposure to contamination.

If one of the above components is missing, the potential for adverse risks is relatively low.

10.2.1 Soil

10.2.1.1 Asbestos

Chrysotile asbestos was detected in two fill sample from BH3 and BH4 (see Figure 3). AF/FA was indicated to be present in BH3 by the laboratory whilst bonded asbestos (as ACM) was indicated to be present in BH4. The presence of FA/AF occurrences in fill is considered to be a result of former building demolition/ refurbishment activities that took place historically at the site. These identified occurrences are not considered to pose an unacceptable risk to current site users given the site area remains sealed under concrete pavements or beneath building footprints, hence there is no complete SPR during current day-to-day use.

We are of the opinion that the risk of exposure to asbestos would increase during excavation works as part of the redevelopment and these risks will need to be managed/mitigated. Further characterisation and/or

remediation associated with this occurrence will be required for any future proposed re-development on site.

10.2.1.2 Heavy metals

Copper, nickel and zinc concentrations exceeded the adopted ecological criteria in fill samples from BH3, BH4 and BH5 (see Figure 3). The source of heavy metals is considered to be associated with the fill material. These identified exceedances are not considered to currently present an unacceptable ecological risk as there were no accessible soils which were observed to be present anywhere on site, i.e. there is no complete SPR linkage. Further characterisation or remediation associated with these ecological exceedances may potentially be required as part of future site re-development.

10.2.1.3 Hydrocarbons

The concentrations of TRH F3 fraction exceeded the adopted ecological criteria (i.e. URPOS) in two fill samples from BH2 and BH4 (see Figure 3). It was noted that testing of the underlying deeper fill and natural samples in these locations confirmed non-detect TRH concentrations which indicated that the TRH has not migrated vertically. These identified exceedances are not considered to currently present an unacceptable ecological risk as there were no accessible soils which were observed to be present anywhere on site, i.e. there is no complete SPR linkage. Further characterisation or remediation associated with these ecological exceedances may potentially be required as part of future site re-development.

10.2.1.4 Pesticides and PCBs

Detectable concentrations of Aldrin and Dieldrin (OCPs) were identified in fill sample from BH4. All concentrations were identified to be below the adopted SAC. However, it should be noted that these detected concentrations may have implications with regards to waste management/disposal during site re-development.

10.2.2 Groundwater

10.2.2.1 Heavy metals

Cadmium, chromium, copper and zinc were detected in the groundwater samples above the ecological criteria in MW2 and MW3, as shown on Figure 3 attached in the appendices. Elevated concentrations of these metals are common in urban groundwater as a result of leaking water infrastructure and surface run-off. The occurrence of these metals in groundwater is unlikely to pose a risk that warrants remediation of groundwater. However, further characterisation with regards to these exceedances may potentially be required as part of future site re-development.

10.2.2.2 Hydrocarbons

TRH F2 concentrations exceeded the adopted HSL-SSA criterion in both MW2 and MW3. Further characterisation and/or management associated with these exceedances may potentially be required. The source of the TRHs in groundwater has not been established.

It is noted that detectable concentrations of BTEX compounds were also identified in groundwater sample collected from MW3. All detect concentrations were below the adopted SAC for groundwater. However, the detect concentrations of BTEX may potentially be attributed to spills or leaks which have taken place on site or may potentially indicate migration of impacted groundwater from off-site sources (i.e. "7-Eleven" service station to the south-east). Further investigation is required to confirm the associated risks.

10.2.2.3 VOCs

It is noted that detectable concentrations of cis-1,2-dichloroethene, TCE, PCE and chloroform below the adopted HSL-SSA criteria were identified in groundwater sample collected from MW3. Identified concentrations of PCE and its breakdown products TCE and cis-1,2-dichloroethene are typically associated with dry cleaning processes which were identified to have historically taken place on site and on neighbouring properties in close proximity to the site.

Further groundwater characterisation and soil vapour investigation is required to assess the potential human health risks associated with the identified dry cleaner-related chemicals. A specific point source/location (e.g. leaking sewer infrastructure, area of historical spills etc) for these contaminants has not been confirmed.

10.3 Decision Statements

The decision statements are addressed below:

> *Did the site inspection, or does the historical information identify potential contamination sources/AEC at the site?*

Yes, as noted in Section 10.1.

> *Are any results above the SAC?*

Copper, nickel and zinc were detected above the adopted ecological SAC in fill at BH3, BH4 and BH5. TRH F3 was detected above the ecological SAC in fill at BH2 and BH4. Cadmium, chromium, copper and zinc were also identified above the ecological SAC for groundwater within MW2 and MW3. TRH F2 was also detected above the adopted HSL-SSA criteria in MW2 and MW3.

> *Do potential risks associated with contamination exist, and if so, what are they?*

Potential risks have been identified as discussed in Section 10.1.

> *Is there a need for additional investigations and/or management with regards to contamination as part of the due diligence.*

Due to the potential risks from groundwater and soil vapour, further investigation is recommended. As the site is currently paved, direct contact risks with groundwater or soil contamination are not of primary concern at this stage. However, additional detailed investigation would most likely be necessary during future redevelopment of the site.

10.4 Hazardous Materials

The site buildings are understood to have been present since at least 1930s. No previous Asbestos / Hazardous Materials Surveys and/or Management Plans were provided to JKE for review as part of this assessment.

Hazardous materials identified on site during JKE's inspection were limited to PACMs, SMF and R22 refrigerant gases.

PACMs were observed to be present as FCS ceiling panels on the ground floor of 206 Parramatta Road within the amenities area. FCS was also observed in other parts of the buildings on site. In general, all inspected PACMs were non-friable and appeared to be in good or fair condition.

If a workplace was built before 31 December 2003 or if asbestos has been identified at the workplace, an up to date asbestos register must be kept on premises and made available by a person conducting a business or undertaking (PCBU) to anyone likely to be exposed to asbestos.

SMF was observed to be present throughout the site as sarking insulation beneath the roof, around pipe / ductwork, within hot water systems and boiler units and as ceiling tiles. The presence of the SMF within the site buildings is not considered to be of significant concern as contact with site occupants is limited.

R22 refrigerant gas was identified for some of the air conditioning systems at the site. R22 is a hydro chlorofluorocarbon (HCFC) and is currently being phased out.

11 CONCLUSIONS AND RECOMMENDATIONS

The assessment included a review of historical information, soil sampling from five boreholes and groundwater sampling from two monitoring wells installed onsite. Parts of the site are currently used as commercial retail tenancies (i.e. "Energy Shop Australia" and "Olde English Tiles") and as music tutoring premises including car parking to the east. The site has historically been used for various commercial/industrial activities including dry cleaners and electroplating. Commercial/industrial activities were also identified for the neighbouring properties including service station, dry cleaners and mechanical workshops etc.

This assessment identified asbestos in soil, along with some heavy metals and hydrocarbons that exceeded the ecological-based SAC. Hydrocarbons in the form of volatile TRH and chlorinated VOCs were also identified in groundwater, with the TRH concentrations exceeding the human health-based SAC. Risks from asbestos and the ecological risks associated with heavy metals and TRHs in soil were assessed to be low in the context of the existing land use/site layout as there is currently no complete exposure pathway. A potential pathway exists in relation to exposure to vapours from volatile contaminants in soil and/or groundwater. This warrants further investigation for due diligence purposes. It is also anticipated that further detailed investigation will be necessary prior to any site redevelopment.

JKE recommends the following:

- A detailed hazardous materials assessment should be undertaken to confirm the presence and extent of all hazardous building materials present on site. A Hazardous Materials Register and Management Plan should be produced for all properties comprising the site following this assessment, in order to comply with currently endorsed regulations, codes and guidelines;
- Should refurbishment or demolition works be proposed, a destructive hazardous building materials survey should be undertaken prior to any demolition works taking place. Any proposed demolition works are to be complete with regards to the hazardous building materials report and all relevant codes, guidelines and standards. Clearance certificates are to be issued following removal of any hazardous building materials;
- Undertake a due diligence soil vapour investigation to determine the potential human health risks associated with vapour intrusion;
- Complete Detailed Site Investigation (DSI) as required for any future proposed development on site;
- Complete an ASS assessment as required for any future proposed development on site;
- Asbestos control measures will be required to be implemented for any works across the site which require penetration of the concrete slab/pavement. Control measures including preparation of a work specific Asbestos Management Plan (AMP) and engaging a specialist (i.e. licensed asbestos assessor) to assist with its implementation, air monitoring for potential asbestos fibres during the works and use of appropriate personal protective equipment are recommended.

At this stage, JKE consider that there is no requirement to notify the NSW EPA Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997 (2015)[13]. This should be reassessed as further investigations/assessments occur.

[13] NSW EPA, (2015). *Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997* (referred to as Duty to Report Contamination)

11.1 Indicative Capital Expenditure Forecast

Capital expenditure forecast for the site foreseeable at this stage is summarised in the following table:

Table 11-1: Capital Expenditure Forecast

Action Item / Comments	$$$ Short term #	$$$ As part of re-development*
Allow for preparation of hazardous materials register & management plan for the site in accordance with the regulations.	$6,000 - $8,000	NA
Allow for a destructive hazardous building materials survey to be carried out prior to any demolition works as part of re-development.	NA	$6,000 - $8,000
Undertake a soil vapour investigation to determine the potential human health risks associated with vapour intrusion.	$15,000 - $30,000	$15,000 - $30,000^
Allow to complete a DSI as required for any future proposed re-development on site.	NA	$30,000 - $50,000^
Allow for asbestos control measures to be implemented for any future proposed re-development across the site.	NA	$20,000 - $40,000
Allow to complete an ASS Assessment for any future proposed re-development on site.	NA	$5,000 - $7,000

Notes:

#: Essential capital expenditure forecast in the short term (i.e. within 1 year of purchase).

*: Foreseeable capital expenditure forecast in relation to potential re-development.

^: Depending on the timing, if soil vapour investigation is not completed as stand-alone a short time after purchase then it should be completed as part of the DSI prior to re-development. Presented budget for the DSI excludes soil vapour investigation. If, however DSI and soil vapour investigation are both undertaken concurrently then the two presented budgets should be added.

All budgets are exclusive of GST and are based on our knowledge at the time of preparation. Actual costs may vary depending on the exact scope of work and timing.

12 LIMITATIONS

The report limitations are outlined below:

- JKE accepts no responsibility for any unidentified contamination issues at the site. Any unexpected problems/subsurface features that may be encountered during development works should be inspected by an environmental consultant as soon as possible;
- Previous use of this site may have involved excavation for the foundations of buildings, services, and similar facilities. In addition, unrecorded excavation and burial of material may have occurred on the site. Backfilling of excavations could have been undertaken with potentially contaminated material that may be discovered in discrete, isolated locations across the site during construction work;
- This report has been prepared based on site conditions which existed at the time of the investigation; scope of work and limitation outlined in the JKE proposal; and terms of contract between JKE and the client (as applicable);
- The conclusions presented in this report are based on investigation of conditions at specific locations, chosen to be as representative as possible under the given circumstances, visual observations of the site and immediate surrounds and documents reviewed as described in the report;
- Subsurface soil and rock conditions encountered between investigation locations may be found to be different from those expected. Groundwater conditions may also vary, especially after climatic changes;
- The investigation and preparation of this report have been undertaken in accordance with accepted practice for environmental consultants, with reference to applicable environmental regulatory authority and industry standards, guidelines and the assessment criteria outlined in the report;
- Where information has been provided by third parties, JKE has not undertaken any verification process, except where specifically stated in the report;
- JKE has not undertaken any assessment of off-site areas that may be potential contamination sources or may have been impacted by site contamination, except where specifically stated in the report;
- JKE accept no responsibility for potentially asbestos containing materials that may exist at the site. These materials may be associated with demolition of pre-1990 constructed buildings or fill material at the site;
- JKE have not and will not make any determination regarding finances associated with the site;
- Additional investigation work may be required in the event of changes to the proposed development or landuse. JKE should be contacted immediately in such circumstances;
- Material considered to be suitable from a geotechnical point of view may be unsatisfactory from a soil contamination viewpoint, and vice versa; and
- This report has been prepared for the particular project described and no responsibility is accepted for the use of any part of this report in any other context or for any other purpose.

Important Information About This Report

These notes have been prepared by JKE to assist with the assessment and interpretation of this report.

The Report is based on a Unique Set of Project Specific Factors
This report has been prepared in response to specific project requirements as stated in the JKE proposal document which may have been limited by instructions from the client. This report should be reviewed, and if necessary, revised if any of the following occur:

- The proposed land use is altered;
- The defined subject site is increased or sub-divided;
- The proposed development details including size, configuration, location, orientation of the structures or landscaped areas are modified;
- The proposed development levels are altered, eg addition of basement levels; or
- Ownership of the site changes.

JKE will not accept any responsibility whatsoever for situations where one or more of the above factors have changed since completion of the investigation. If the subject site is sold, ownership of the investigation report should be transferred by JKE to the new site owners who will be informed of the conditions and limitations under which the investigation was undertaken. No person should apply an investigation for any purpose other than that originally intended without first conferring with the consultant.

Changes in Subsurface Conditions
Subsurface conditions are influenced by natural geological and hydrogeological process and human activities. Groundwater conditions are likely to vary over time with changes in climatic conditions and human activities within the catchment (e.g. water extraction for irrigation or industrial uses, subsurface waste water disposal, construction related dewatering). Soil and groundwater contaminant concentrations may also vary over time through contaminant migration, natural attenuation of organic contaminants, ongoing contaminating activities and placement or removal of fill material. The conclusions of an investigation report may have been affected by the above factors if a significant period of time has elapsed prior to commencement of the proposed development.

This Report is based on Professional Interpretations of Factual Data
Site investigations identify actual subsurface conditions at the actual sampling locations at the time of the investigation. Data obtained from the sampling and subsequent laboratory analyses, available site history information and published regional information is interpreted by geologists, engineers or environmental scientists and opinions are drawn about the overall subsurface conditions, the nature and extent of contamination, the likely impact on the proposed development and appropriate remediation measures.

Actual conditions may differ from those inferred, because no professional, no matter how qualified, and no subsurface exploration program, no matter how comprehensive, can reveal what is hidden by earth, rock and time. The actual interface between materials may be far more gradual or abrupt than an investigation indicates. Actual conditions in areas not sampled may differ from predictions. Nothing can be done to prevent the unanticipated, but steps can be taken to help minimise the impact. For this reason, site owners should retain the services of their consultants throughout the development stage of the project, to identify variances, conduct additional tests which may be needed, and to recommend solutions to problems encountered on site.

Investigation Limitations
Although information provided by a site investigation can reduce exposure to the risk of the presence of contamination, no environmental site investigation can eliminate the risk. Even a rigorous professional investigation may not detect all contamination on a site. Contaminants may be present in areas that were not surveyed or sampled, or may migrate to areas which showed no signs of contamination when sampled. Contaminant analysis cannot possibly cover every type of contaminant which may occur; only the most likely contaminants are screened.

Misinterpretation of Site Investigations by Design Professionals

Costly problems can occur when other design professionals develop plans based on misinterpretation of an investigation report. To minimise problems associated with misinterpretations, the environmental consultant should be retained to work with appropriate professionals to explain relevant findings and to review the adequacy of plans and specifications relevant to contamination issues.

Logs Should not be Separated from the Investigation Report

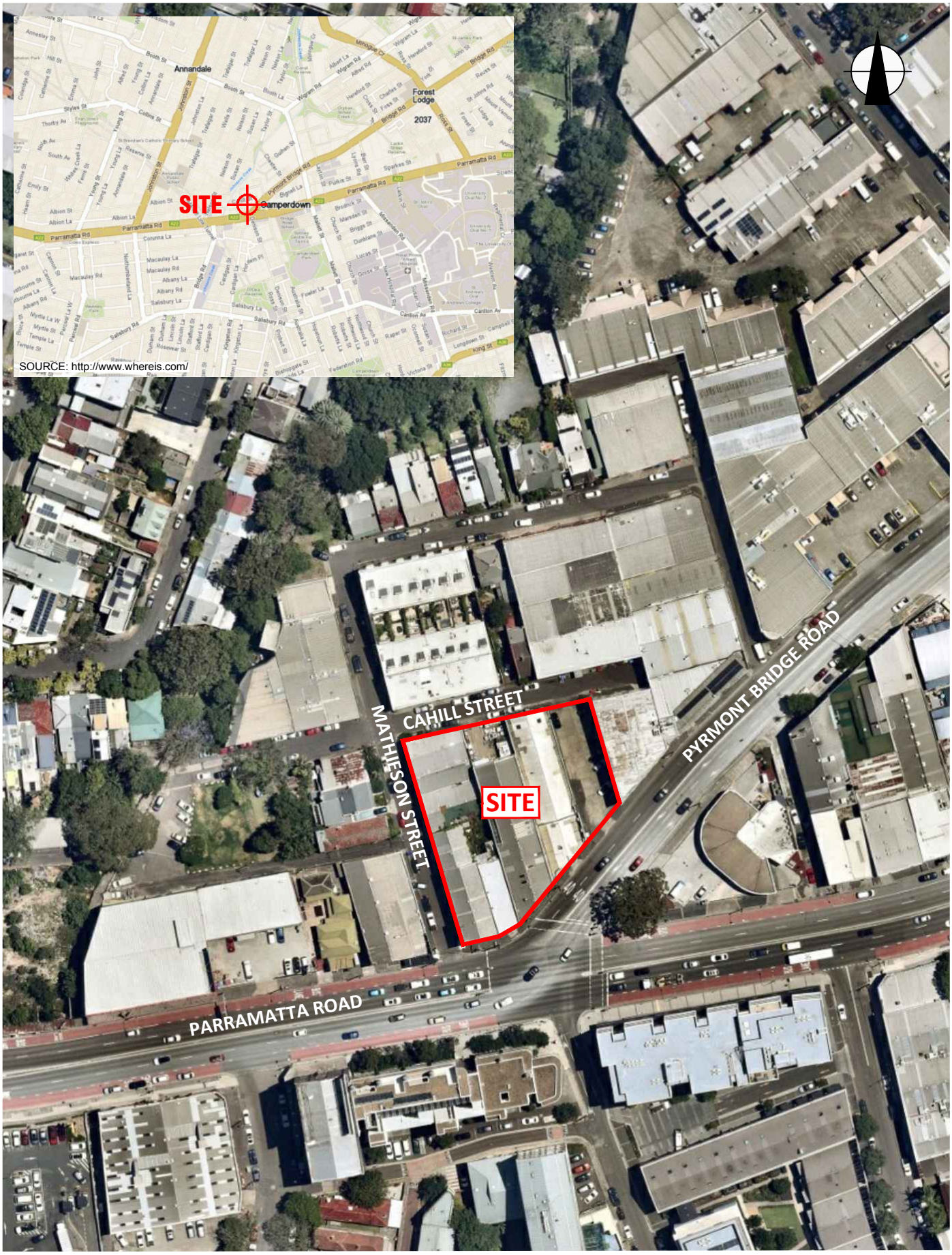
Borehole and test pit logs are prepared by environmental scientists, engineers or geologists based upon interpretation of field conditions and laboratory evaluation of field samples. Logs are normally provided in our reports and these should not be re-drawn for inclusion in site remediation or other design drawings, as subtle but significant drafting errors or omissions may occur in the transfer process. Photographic reproduction can eliminate this problem, however contractors can still misinterpret the logs during bid preparation if separated from the text of the investigation. If this occurs, delays, disputes and unanticipated costs may result. In all cases it is necessary to refer to the rest of the report to obtain a proper understanding of the investigation. Please note that logs with the 'Environmental Log' header are not suitable for geotechnical purposes as they have not been peer reviewed by a Senior Geotechnical Engineer.

To reduce the likelihood of borehole and test pit log misinterpretation, the complete investigation should be available to persons or organisations involved in the project, such as contractors, for their use. Denial of such access and disclaiming responsibility for the accuracy of subsurface information does not insulate an owner from the attendant liability. It is critical that the site owner provides all available site information to persons and organisations such as contractors.

Read Responsibility Clauses Closely

Because an environmental site investigation is based extensively on judgement and opinion, it is necessarily less exact than other disciplines. This situation has resulted in wholly unwarranted claims being lodged against consultants. To help prevent this problem, model clauses have been developed for use in written transmittals. These are definitive clauses designed to indicate consultant responsibility. Their use helps all parties involved recognise individual responsibilities and formulate appropriate action. Some of these definitive clauses are likely to appear in the environmental site investigation, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to any questions.

Appendix A: Report Figures



AERIAL IMAGE SOURCE: MAPS.AU.NEARMAP.COM

This plan should be read in conjunction with the Environmental report.

Title: **SITE LOCATION PLAN**

Location: 122-128 & 130 PYRMONT BRIDGE ROAD AND 206 PARRAMATTA ROAD, ANNADALE, NSW

Project No: E33770PA

Figure No: 1

JKEnvironments

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LEGEND

	APPROXIMATE SITE BOUNDARY
	APPROXIMATE COMPRISING PROPERTY BOUNDARIES
BH(Fill Depth)	BOREHOLE LOCATION, NUMBER AND DEPTH OF FILL (m)
BH/MW(Fill Depth)	BOREHOLE AND GROUNDWATER MONITORING WELL LOCATION, NUMBER AND DEPTH OF FILL (m)

AERIAL IMAGE SOURCE: MAPS.AU.NEARMAP.COM

0 4 8 12 16 20

SCALE 1:400 @A3 METRES

This plan should be read in conjunction with the Environmental report.

Title: **SAMPLE LOCATION PLAN**

Location: 122-128 & 130 PYRMONT BRIDGE ROAD AND 206 PARRAMATTA ROAD, ANNADALE, NSW

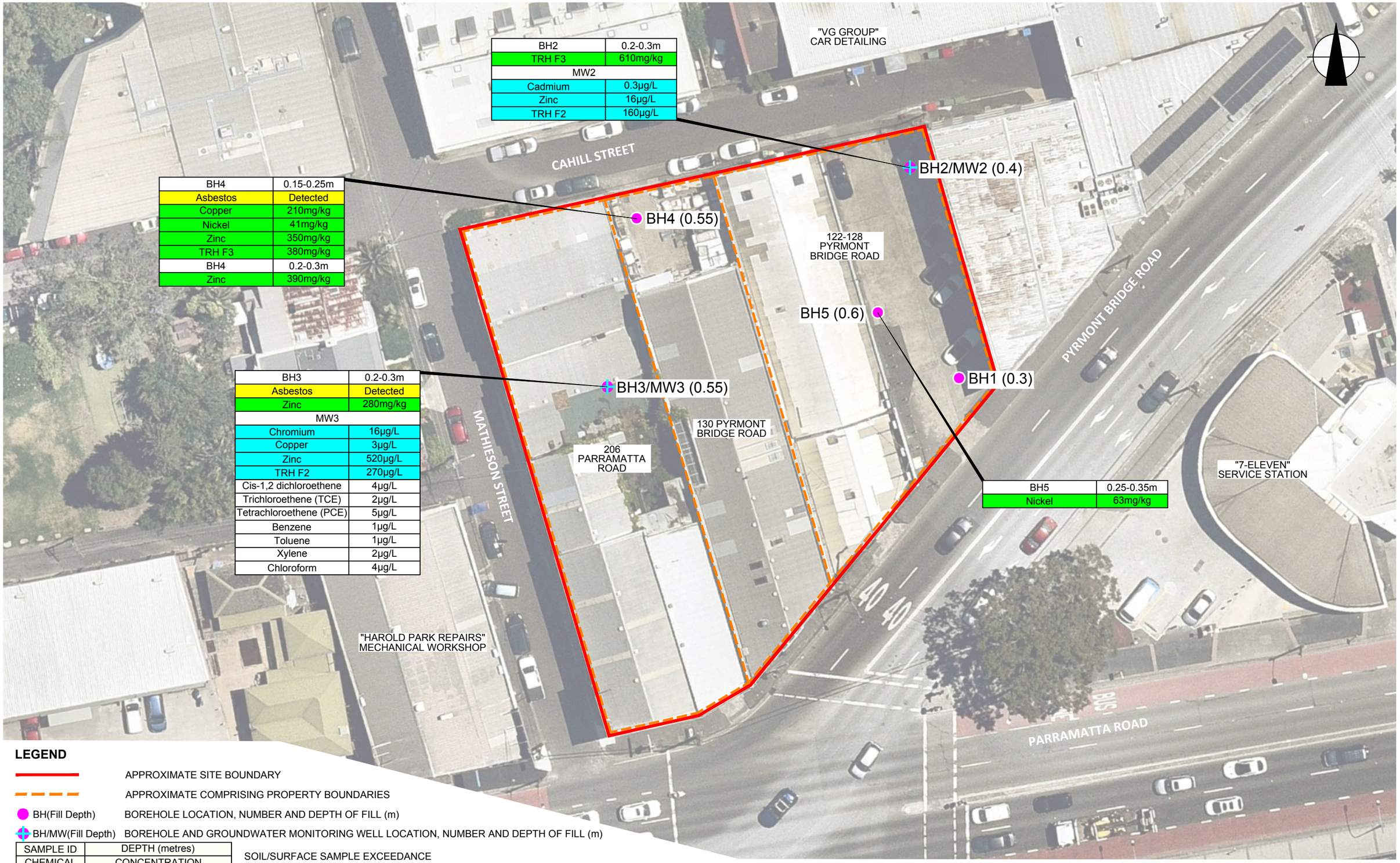
Project No: E33770PA

Figure No: 2

JKEnvironments

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BH2	0.2-0.3m
TRH F3	610mg/kg
MW2	
Cadmium	0.3µg/L
Zinc	16µg/L
TRH F2	160µg/L

BH4	0.15-0.25m
Asbestos	Detected
Copper	210mg/kg
Nickel	41mg/kg
Zinc	350mg/kg
TRH F3	380mg/kg
BH4	0.2-0.3m
Zinc	390mg/kg

BH3	0.2-0.3m
Asbestos	Detected
Zinc	280mg/kg
MW3	
Chromium	16µg/L
Copper	3µg/L
Zinc	520µg/L
TRH F2	270µg/L
Cis-1,2 dichloroethene	4µg/L
Trichloroethene (TCE)	2µg/L
Tetrachloroethene (PCE)	5µg/L
Benzene	1µg/L
Toluene	1µg/L
Xylene	2µg/L
Chloroform	4µg/L

BH5	0.25-0.35m
Nickel	63mg/kg

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE COMPRISING PROPERTY BOUNDARIES
- BH(Fill Depth) — BOREHOLE LOCATION, NUMBER AND DEPTH OF FILL (m)
- BH/MW(Fill Depth) — BOREHOLE AND GROUNDWATER MONITORING WELL LOCATION, NUMBER AND DEPTH OF FILL (m)

SAMPLE ID	DEPTH (metres)
CHEMICAL	CONCENTRATION

SOIL/SURFACE SAMPLE EXCEEDANCE

SAMPLE ID	-
CHEMICAL	CONCENTRATION (µg/L)

GROUNDWATER SAMPLE EXCEEDANCE

- SOIL/SURFACE CONTAMINATION ABOVE INVESTIGATION LEVELS FOR HUMAN HEALTH RISK
- SOIL CONTAMINATION ABOVE INVESTIGATION LEVELS FOR ECOLOGICAL RISK
- GROUNDWATER CONTAMINATION ABOVE INVESTIGATION LEVELS

AERIAL IMAGE SOURCE: MAPS.AU.NEARMAP.COM

0 4 8 12 16 20

SCALE 1:400 @A3 METRES

This plan should be read in conjunction with the Environmental report.

Title: **CONTAMINATION LOCATION PLAN**

Location: 122-128 & 130 PYRMONT BRIDGE ROAD AND 206 PARRAMATTA ROAD, ANNADALE, NSW

Project No: E33770PA

Figure No: 3

JKEnvironments

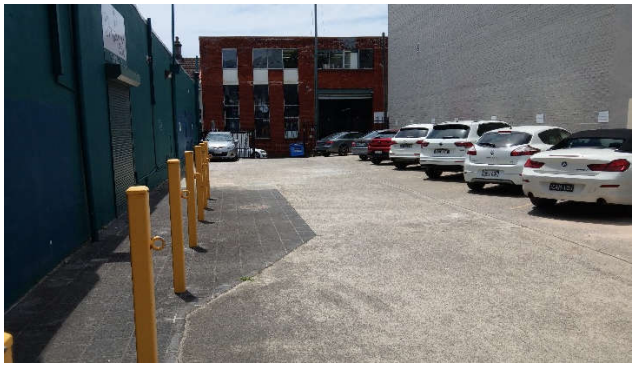
PLOT DATE: 27/01/2021 12:01:46 PM DWG FILE: Z:\5 EIS\5C EIS JOBS\33000'S\E33770PA ANNANDALE\CAD\E33770PA.DWG

© JK ENVIRONMENTS

Appendix B: Site Information and Site History

Selected Site Photographs

Project Ref: E33770PArpt
Site Address: 122-130 Pyrmont Bridge Road and 206 Parramatta Road, Annandale, NSW
Selected Site Photos Dated: 12 and 15 January 2021



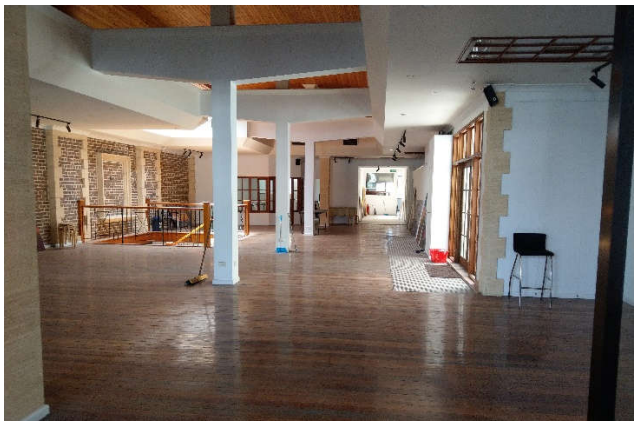
Photograph 1: View of the car parking area in the eastern part of the site (122-128 Pyrmont Bridge Road).



Photograph 2: View of the site building at 122-128 Pyrmont Bridge Road from Cahill Street.



Photographs 3: View of the site buildings at 130 Pyrmont Bridge Road and 206 Parramatta Road from Cahill Street.



Photograph 4: View of the above-ground floor within the building at 130 Pyrmont Bridge Road.



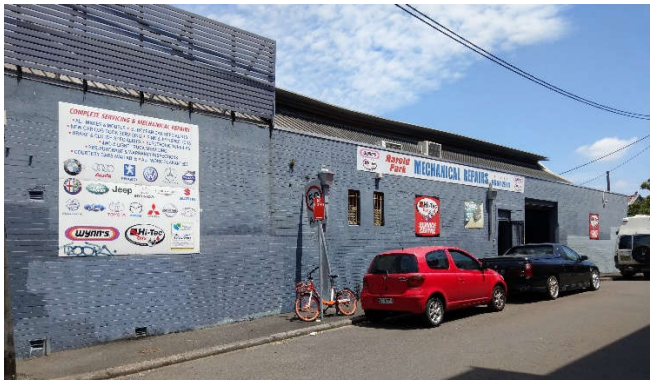
Photograph 5: View of 206 Parramatta Road from the corner of Cahill Street and Mathieson Street.



Photograph 6: View of the internal car parking entrance to 206 Parramatta Road from Mathieson Street.



Photographs 7: "7-Eleven" service station site to the south / south-east across Pyrmont Bridge Road.



Photograph 8: "Harold Park Repairs" car servicing and mechanical repairs workshop to the west / south-west across Mathieson Street.



Photograph 9: Neighboring commercial tenancies along Cahill Street including "VG Group" car detailing premises.



Photograph 10: View of the roof structure to the building at 122-128 Pyrmont Bridge Road.



Photographs 11: View of the roof structure to the building at 206 Parramatta Road.



Photograph 12: SMF as sarking insulation beneath the roof observed at 206 Parramatta Road.



Photograph 13: Split air conditioning unit containing R22 refrigerant gas.



Photograph 14: Potentially asbestos containing FCS ceiling panels observed within the amenities on the ground floor at 206 Parramatta Road.



Photographs 15: Identified reinstated concreted core hole location at 206 Parramatta Road which suggests that this area was previously investigated.



Photograph 16: Drilling rig setup over BH3/MW3.

Lotsearch Environmental Risk and Planning Report

LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 11 Jan 2021 12:08:20

Reference: LS017140 EP

Address: 122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Disclaimer:
The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features.
You should obtain independent advice before you make any decision based on the information within the report.
The detailed terms applicable to use of this report are set out at the end of this report.

Dataset Listing

Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Finance, Services & Innovation	13/11/2020	13/11/2020	Quarterly	-	-	-	-
Topographic Data	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	As required	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	14/12/2020	14/12/2020	Monthly	1000	0	1	6
Contaminated Land Records of Notice	Environment Protection Authority	06/01/2021	06/01/2021	Monthly	1000	0	0	1
Former Gasworks	Environment Protection Authority	11/01/2021	11/10/2017	Monthly	1000	0	0	0
National Waste Management Facilities Database	Geoscience Australia	12/11/2020	07/03/2017	Quarterly	1000	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	12/11/2020	13/07/2012	Quarterly	1000	0	1	4
EPA PFAS Investigation Program	Environment Protection Authority	14/12/2020	23/11/2020	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	08/01/2021	08/01/2021	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	08/01/2021	08/01/2021	Monthly	2000	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	07/01/2021	07/01/2021	Monthly	2000	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	14/12/2020	14/12/2020	Monthly	2000	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	04/02/2020	13/12/2018	Annually	1000	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	11/01/2021	11/01/2021	Monthly	1000	0	0	3
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	11/01/2021	11/01/2021	Monthly	1000	0	0	4
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	11/01/2021	11/01/2021	Monthly	1000	0	3	5
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	100	55	834	834
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	100	-	64	64
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	250	4	144	260
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	250	-	7	7
Points of Interest	NSW Department of Finance, Services & Innovation	30/03/2020	30/03/2020	Quarterly	1000	0	0	86
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	30/03/2020	30/03/2020	Quarterly	1000	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	30/03/2020	30/03/2020	Quarterly	1000	0	0	0
Major Easements	NSW Department of Finance, Services & Innovation	30/03/2020	30/03/2020	Quarterly	1000	0	0	5
State Forest	Forestry Corporation of NSW	18/01/2018	18/01/2018	As required	1000	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	21/01/2020	30/09/2019	Annually	1000	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000	1	1	1
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018	NSW Department of Planning, Industry and Environment	26/10/2020	21/02/2018	As required	1000	0	0	0

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Groundwater Boreholes	NSW Dept. of Primary Industries - Water NSW; Commonwealth of Australia (Bureau of Meteorology)	24/07/2018	23/07/2018	Annually	2000	0	0	30
Geological Units 1:100,000	NSW Department of Planning, Industry and Environment	20/08/2014		None planned	1000	1	-	3
Geological Structures 1:100,000	NSW Department of Planning, Industry and Environment	20/08/2014		None planned	1000	0	-	0
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000	1	1	2
Soil Landscapes of Central and Eastern NSW	NSW Department of Planning, Industry and Environment	14/10/2020	27/07/2020	Annually	1000	1	-	3
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	23/12/2020	03/07/2020	Monthly	500	2	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000	2	2	2
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000	0	0	0
Dryland Salinity Potential of Western Sydney	NSW Department of Planning, Industry and Environment	12/05/2017	01/01/2002	None planned	1000	-	-	-
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	30/03/2020	30/03/2020	Quarterly	1000	0	0	0
Current Mining Titles	NSW Department of Industry	07/01/2021	07/01/2021	Monthly	1000	0	0	0
Mining Title Applications	NSW Department of Industry	07/01/2021	07/01/2021	Monthly	1000	0	0	0
Historic Mining Titles	NSW Department of Industry	07/01/2021	07/01/2021	Monthly	1000	11	11	11
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	23/12/2020	07/12/2018	Monthly	1000	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	23/12/2020	18/12/2020	Monthly	1000	1	15	163
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	24/11/2020	20/11/2019	Quarterly	1000	0	0	1
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	24/11/2020	20/11/2019	Quarterly	1000	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	12/11/2020	02/07/2020	Quarterly	1000	0	0	12
Environmental Planning Instrument Heritage	NSW Department of Planning, Industry and Environment	23/12/2020	18/12/2020	Monthly	1000	0	8	211
Bush Fire Prone Land	NSW Rural Fire Service	07/01/2021	28/11/2020	Weekly	1000	0	0	0
Native Vegetation of the Sydney Metropolitan Area	NSW Office of Environment & Heritage	01/03/2017	16/12/2016	As required	1000	0	1	1
Ramsar Wetlands of Australia	Department of the Agriculture, Water and the Environment	08/10/2014	24/06/2011	As required	1000	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	0
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	0
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	11/01/2021	11/01/2021	Weekly	10000	-	-	-

Site Diagram

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Legend

- Site Boundary
- Internal Parcel Boundaries

Total Area: 2624m^2

Total Perimeter: 207m

Disclaimers:

Measurements are approximate only and may have been simplified or smaller lengths removed for readability.

Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.

Scale: 0 10 20 Meters

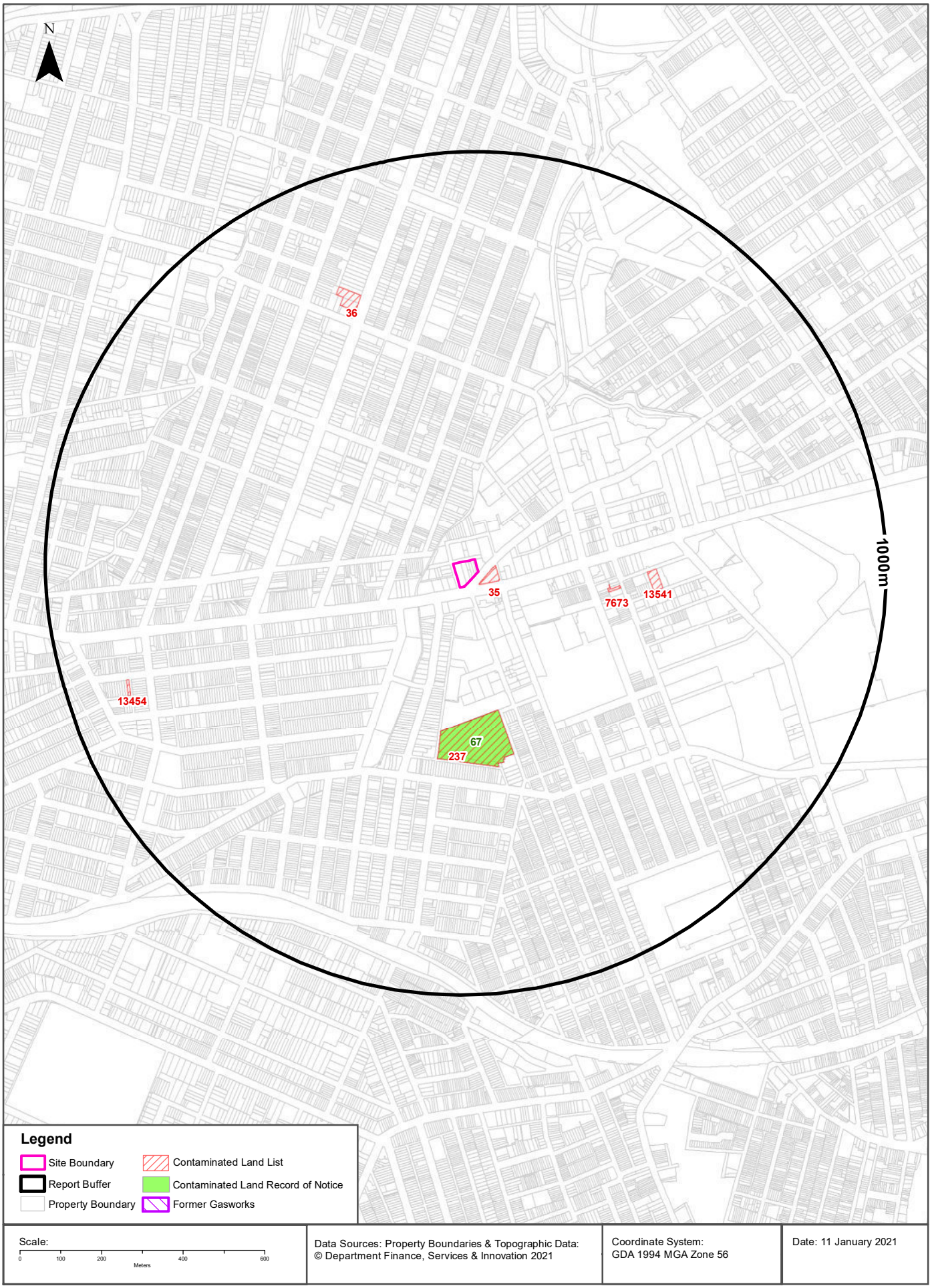
Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System: GDA 1994 MGA Zone 56

Date: 11 January 2021

Contaminated Land

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Contaminated Land

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist (m)	Direction
35	7-Eleven (former Mobil) Annandale Service Station	198 Parramatta Road	Annandale	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	20m	East
237	O'Dea Reserve	Salisbury Lane	Camperdown	Landfill	Contamination formerly regulated under the CLM Act	Current EPA List	Premise Match	312m	South
7673	Former Gee Graphics	27 Church Street	Camperdown	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	319m	East
13541	The Spruce	12-14 Marsden Street	Camperdown	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	412m	East
36	Shell Coles Express Service Station	124-126 Johnston Street	Annandale	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	666m	North West
13454	125 Corunna Road	125 Corunna ROAD	STANMORE	Unclassified	Regulation under CLM Act not required	Current EPA List	Premise Match	843m	West

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.

EPA site management class	Explanation
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Contaminated Land

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
67	O'Dea Reserve	Salisbury Lane	Camperdown	1 former	3342	Premise Match	312m	South

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm

Former Gasworks

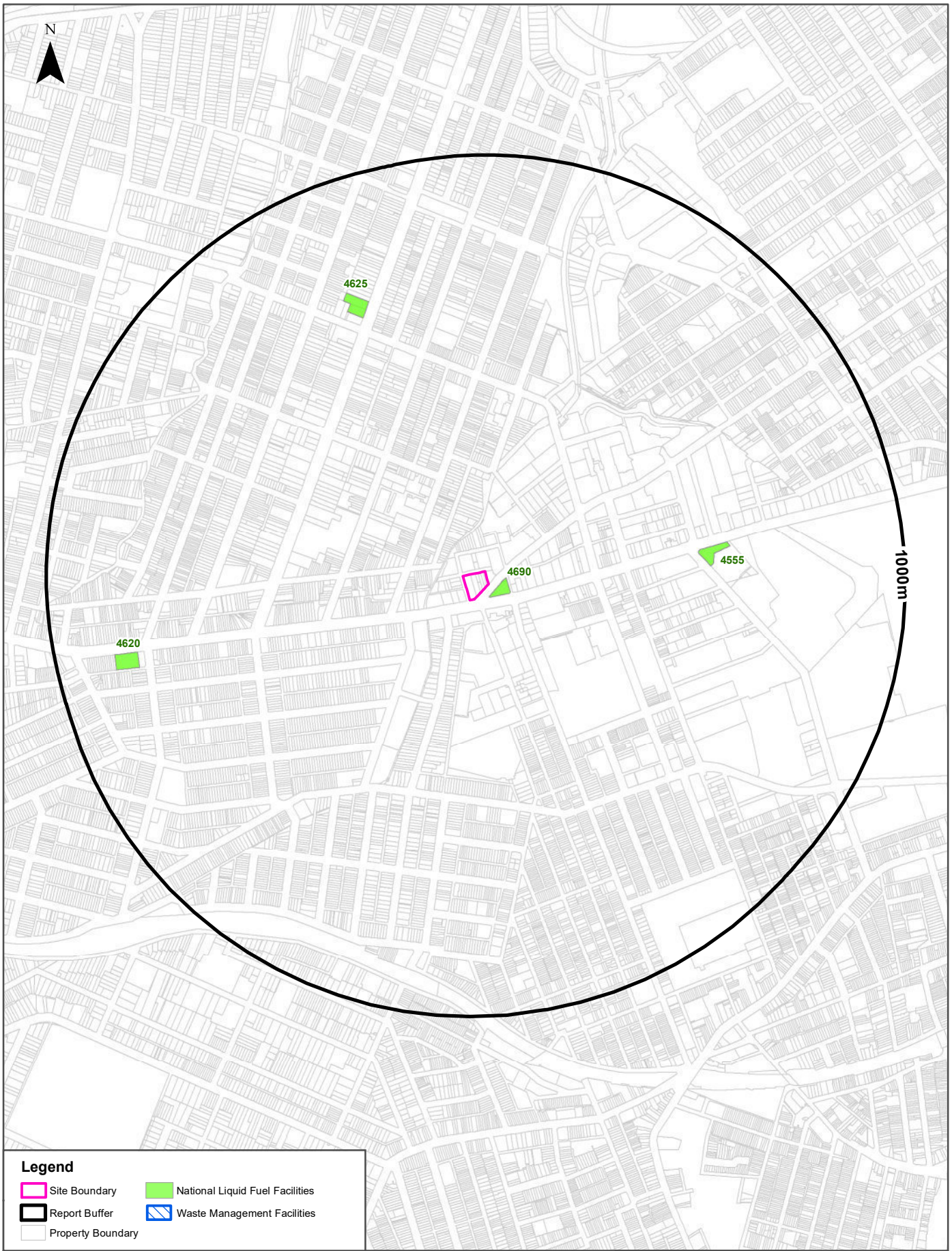
Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Waste Management & Liquid Fuel Facilities

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

National Waste Management Site Database

Sites on the National Waste Management Site Database within the dataset buffer:

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist (m)	Direction
N/A	No records in buffer											

Waste Management Facilities Data Source: Geoscience Australia
Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

National Liquid Fuel Facilities

National Liquid Fuel Facilties within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist (m)	Direction
4690	7-Eleven Pty Ltd	Camperdown	198 Parramatta Road	Camperdown	Petrol Station	Operational		13/07/2012	Premise Match	20m	East
4555	BP	BP Connect Camperdown	25 Parramatta Road	Camperdown	Petrol Station	Operational		25/07/2011	Premise Match	508m	East
4625	Shell	Coles Express Annandale	124 Johnston Street	Annandale	Petrol Station	Operational		25/07/2011	Premise Match	666m	North West
4620	Shell	Coles Express Stanmore	268-310 Parramatta Road	Stanmore	Petrol Station	Operational		25/07/2011	Premise Match	802m	West

National Liquid Fuel Facilities Data Source: Geoscience Australia
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PFAS Investigation & Management Programs

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

Id	Site	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

EPA PFAS Investigation Program: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Defence PFAS Investigation Program

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Investigation Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Management Program

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Loc Conf	Dist	Dir
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Defence 3 Year Regional Contamination Investigation Program

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

EPA Other Sites with Contamination Issues

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill
- Pasminco Lead Abatement Strategy Area

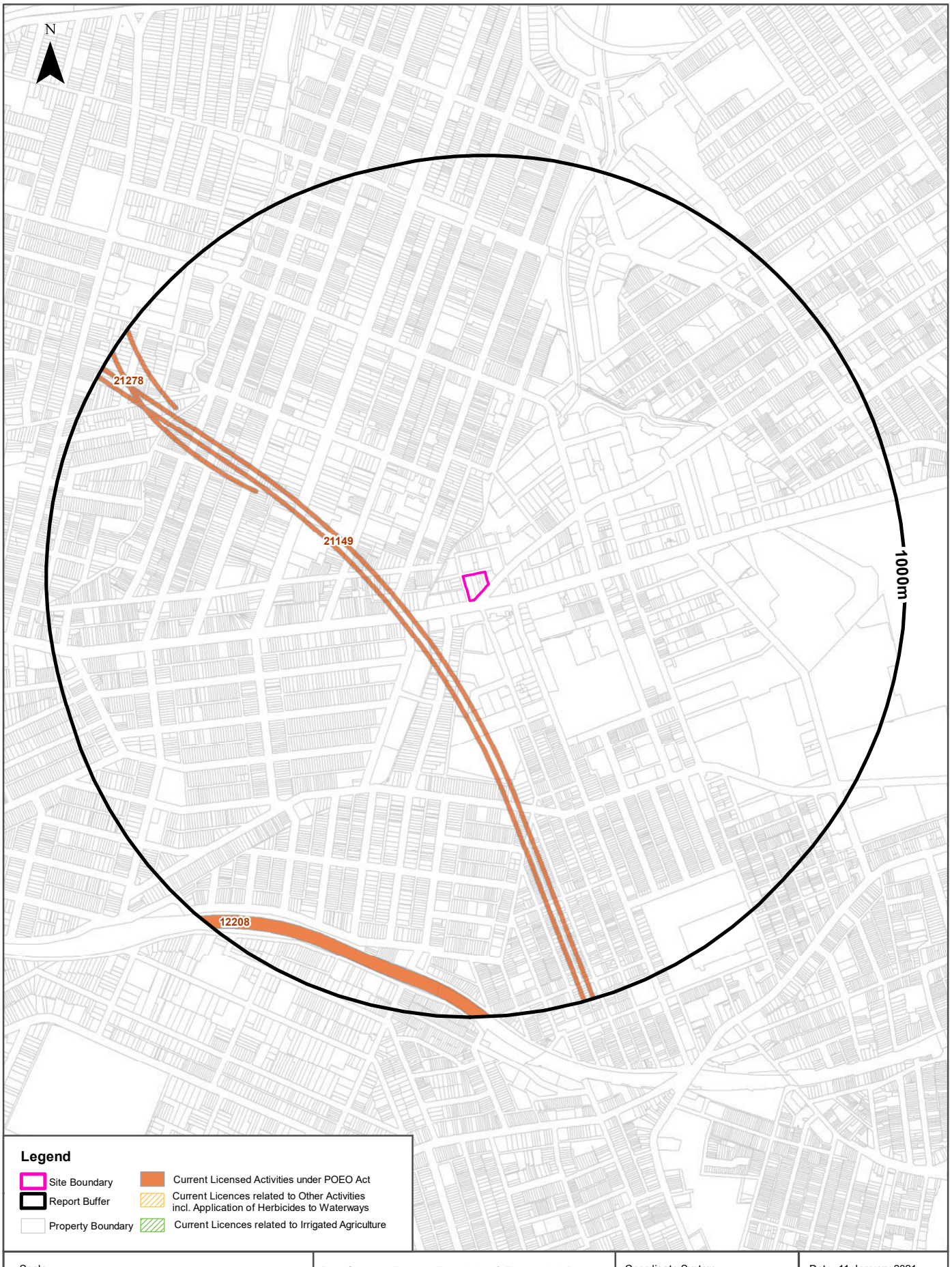
Sites within the dataset buffer:

Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Current EPA Licensed Activities

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



EPA Activities

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Licensed Activities under the POEO Act 1997

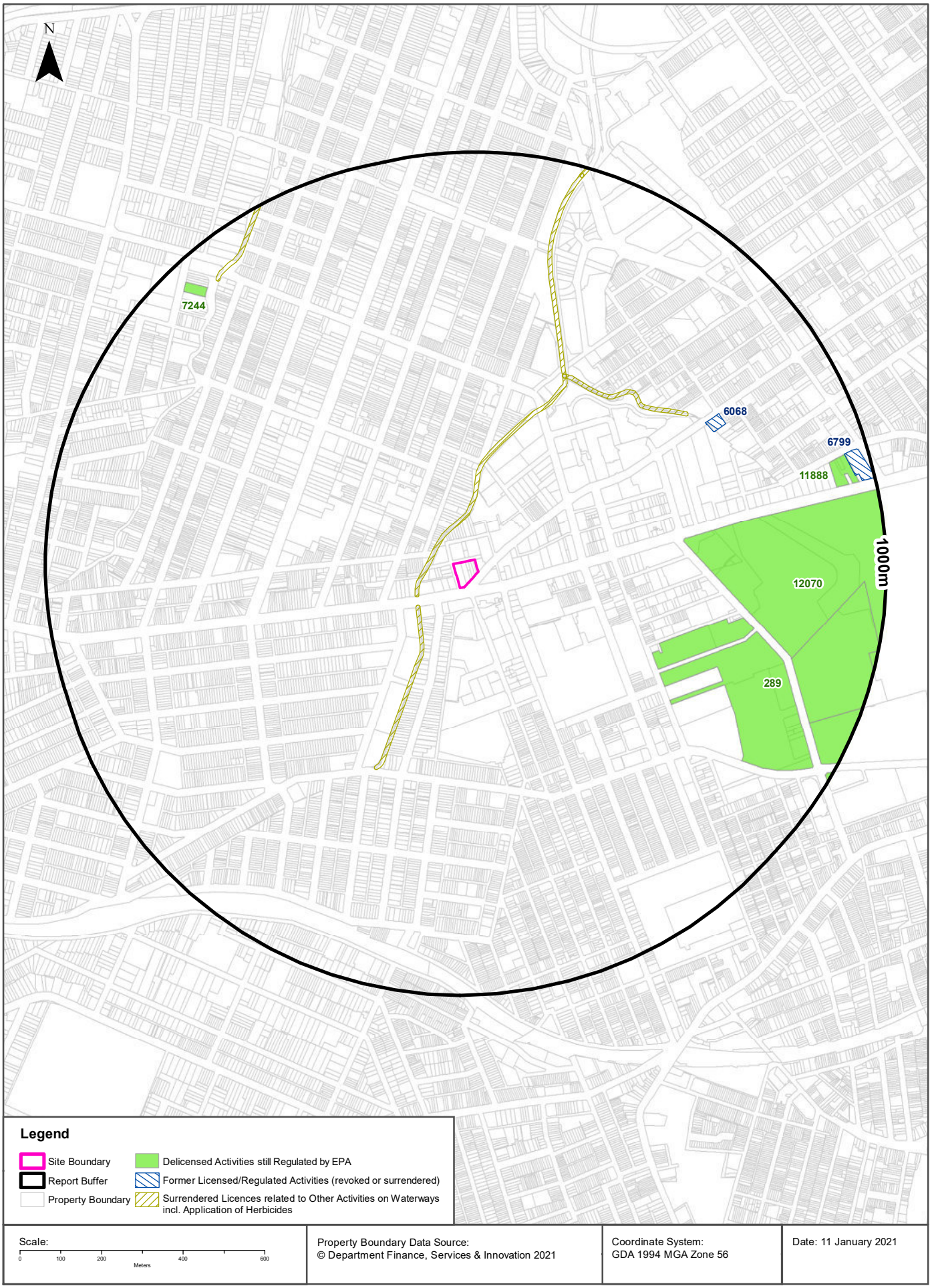
Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
21149	ACCIONA INFRASTRUCTURE PROJECTS AUSTRALIA PTY LTD		WestConnex between M4 East at Haberfield and the New M5 at St. Peters, MARRICKVILLE, NSW 2204		Road Construction	Road Match	132m	South West
21278	JOHN HOLLAND PTY LTD		WestConnex between the M4-M5 Mainline Tunnels and Rozelle, ROZELLE, NSW 2039		Road construction	Road Match	533m	North West
12208	SYDNEY TRAINS		SYDNEY TRAINS, HAYMARKET, NSW 1238		Railway systems activities	Network of Features	874m	South

POEO Licence Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



EPA Activities

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
289	SYDNEY SOUTH WEST AREA HEALTH SERVICE	ROYAL PRINCE ALFRED HOSPITAL	MISSENDEN ROAD	CAMPERDOWN	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	469m	East
12070	THE UNIVERSITY OF SYDNEY	The University of Sydney	Camperdown & Darlington Campuses	SYDNEY UNIVERSITY	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	508m	East
7244	APPAREL FITTINGS AUSTRALASIA PTY LTD C/- STAR DEAN-WILLCOCKS	APPAREL FITTINGS AUSTRALASIA PTY LTD	67 JOHN STREET	LEICHHARDT	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	894m	North West
11888	SYDNEY SOUTH WEST AREA HEALTH SERVICE	DEPARTMENT OF FORENSIC MEDICINE	50 PARRAMATTA ROAD	GLEBE	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	899m	East

Delicensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

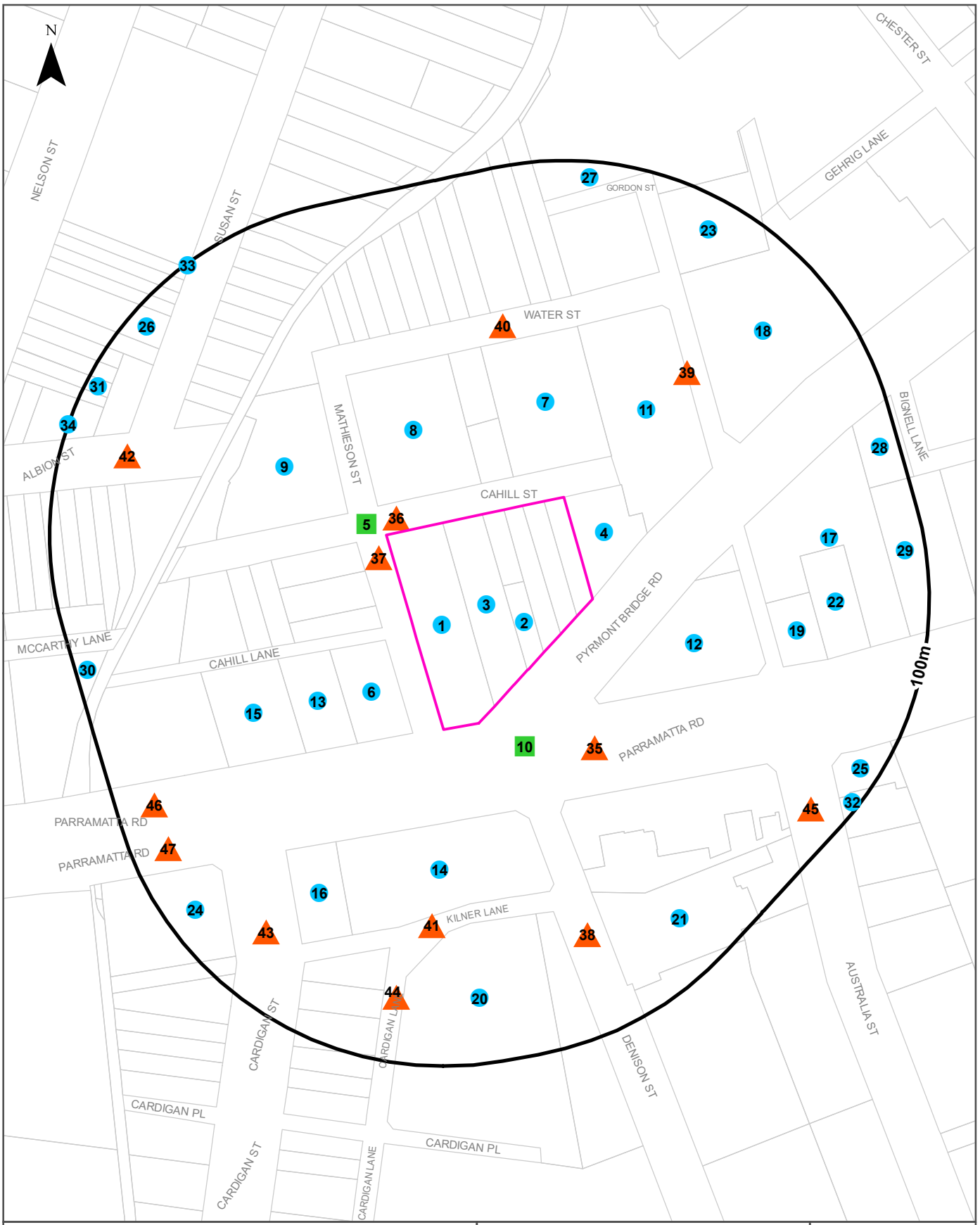
Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	50m	-
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	50m	-
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	50m	-
6068	THE PRETERM FOUNDATION	300 BRIDGE ROAD, CAMPERDOWN, NSW 2050	Surrendered	09/05/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	657m	North East
6799	SUMMIT MOTORS PTY LIMITED	36 PARRAMATTA ROAD, GLEBE, NSW 2037	Surrendered	02/08/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	942m	East

Former Licensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Historical Business Directories

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Legend

- Site Boundary
- Buffer 100m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 20 40 60 80 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 11 January 2021

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Property Boundaries © NSW Department Finance, Services & Innovation 2021

Historical Business Directories

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Business Directory Records 1950-1991
Premise or Road Intersection Matches

Universal Business Directory records from years 1991, 1986, 1982, 1978, 1975, 1970, 1965, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	Handbag Mfrs &/or W/salers	Buffers Belts., 206 Parramatta Rd., Camperdown. 2050	48123	1991	Premise Match	0m	On-site
	Belt Mfrs &/or Dists Ladies &/or Gents	Buttler Belts, 206 Parramatta Rd, Camperdown 2050	35877	1991	Premise Match	0m	On-site
	NAME PLATE MFRS. &/OR DISTS.(N0250)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050.	60291	1982	Premise Match	0m	On-site
	PLASTIC DISPLAY UNITS. (P5660)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050.	64575	1982	Premise Match	0m	On-site
	PLASTIC SIGNS &/OR LETTERS MFRS. &/OR DISTS. (P6400)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050.	65052	1982	Premise Match	0m	On-site
	PRICE TICKETING SYSTEM MFRS.(P8240)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050.	65858	1982	Premise Match	0m	On-site
	SIGN MFRS. (S3360)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050.	74858	1982	Premise Match	0m	On-site
	BUILDING DIRECTORY SIGN &/OR LETTERING EQUIPMENT MFRS.&/OR SUPPLIERS. (B7240)	Movitex S. Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050.	10026	1982	Premise Match	0m	On-site
	DIESEL ENGINES DISTS.	Movigraph Systems Pty. Ltd. 206 Parramatta Road., Camperdown 2050	19019	1978	Premise Match	0m	On-site
	PLASTIC SIGNS &/OR LETTERS MFRS.	Movitax & Movigraph System Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	58036	1978	Premise Match	0m	On-site
	DIRECTORY & NOTICE BOARDS.	Movitex & Movigraph Systems 206 Parramatta Road Camperdown 2050	19029	1978	Premise Match	0m	On-site
	OFFICE EQUIPMENT MFRS. &/OR DISTS.	Movitex & Movigraph Systems Pty Ltd 206 Parramatta Road, Camperdown 2050	54519	1978	Premise Match	0m	On-site
	OFFICE EQUIPMENT MFRS. &/OR DISTS.	Movitex & Movigraph Systems Pty Ltd 206 Parramatta Road, Camperdown. 2050	54523	1978	Premise Match	0m	On-site
	NAME PLATE MFRS. &/OR DISTS.	Movitex & Movigraph Systems Pty Ltd, 206 Parramatta Rd, Camperdown 2050	53732	1978	Premise Match	0m	On-site
	OFFICE EQUIPMENT MFRS. &/OR DISTS.	Movitex & Movigraph Systems Pty Ltd, 206 Parramatta Rd, Camperdown 2050	54580	1978	Premise Match	0m	On-site
	BUILDING DIRECTORY SIGN &/OR LETTERING EQUIPMENT MFRS. &/OR SUPPLIERS.	Movitex & Movigraph Systems Pty. Ltd, 206 Parramatta Rd, Camperdown. 2050	8426	1978	Premise Match	0m	On-site
	ADVERTISING-DISPLAY SPECIALISTS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	1495	1978	Premise Match	0m	On-site
	PLASTIC DISPLAY UNITS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	57533	1978	Premise Match	0m	On-site

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1	PRICE TICKETING SYSTEM MFRS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	58773	1978	Premise Match	0m	On-site
	SIGN MFRS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	66276	1978	Premise Match	0m	On-site
	CHARTS - RECORDING INSTRUMENTS.	Movietex & Moviegraph Systems 206 Parramatta Rd., Camperdown. 2050	14351	1975	Premise Match	0m	On-site
	NAME PLATE MFRS. &/OR DISTS.	Movitax & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	63321	1975	Premise Match	0m	On-site
	PLASTIC SIGNS &/OR LETTERS MFRS.	Movitax & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	68296	1975	Premise Match	0m	On-site
	ADVERTISING-DISPLAY SPECIALISTS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd, Camperdown. 2050	1194	1975	Premise Match	0m	On-site
	BUILDING DIRECTORY SIGN &/OR LETTERING EQUIPMENT MFR& &/OR SUPPLIERS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd, Camperdown. 2050	9482	1975	Premise Match	0m	On-site
	OFFICE EQUIPMENT MFRS. &/OR DISTS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	64398	1975	Premise Match	0m	On-site
	PLASTIC DISPLAY UNITS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	67743	1975	Premise Match	0m	On-site
	SIGN MFRS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	77568	1975	Premise Match	0m	On-site
	OFFICE EQUIPMENT MFRS. &/OR DISTS.	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Road., Camperdown, 2050	64341	1975	Premise Match	0m	On-site
	PRICE TICKETING SYSTEM MFRS.	Movitex & Movlgraph System Pty. Ltd., 206 Parramatta Rd., Camperdown. 2050	69160	1975	Premise Match	0m	On-site
	ELECTRIC SIGN MANUFACTURERS &/OR INSTALLERS (E240)	Movitex & Movi graph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050	294354	1970	Premise Match	0m	On-site
	CHARTS & GRAPH SYSTEMS	MOVITEX & MOVIGRAPH SYSTEMS PTY LTD., 206 PARRAMATTA RD., CAMPERDOWN, 2050	279154	1970	Premise Match	0m	On-site
	BUILDING DIRECTORY SIGNS & LETTERING EQUIPMENT MFRS. &/OR SUPPLIERS (B818)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown 2050	271711	1970	Premise Match	0m	On-site
	ADVERTISING DISPLAY SPECIALISTS	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050	260178	1970	Premise Match	0m	On-site
	DISPLAY MACHINES-WINDOW-MANUFACTURERS (D360)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050	289817	1970	Premise Match	0m	On-site
	HIRING SERVICES (H436)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050	316273	1970	Premise Match	0m	On-site
	OFFICE EQUIPMENT MFRS./DISTRIBUTORS	MOVITEX & MOVIGRAPH SYSTEMS PTY. LTD., 206 PARRAMATTA RD., CAMPERDOWN, 2050	344712	1970	Premise Match	0m	On-site
	PLASTIC DISPLAY UNITS (P553)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050	349472	1970	Premise Match	0m	On-site
	PLASTIC SIGNS,LETTER MFRS. (P590)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050	350148	1970	Premise Match	0m	On-site
	PRICE TICKETING SYSTEM MFRS.(P778)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050	351605	1970	Premise Match	0m	On-site
	NAME PLATE MFRS. (N040)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050.	343279	1970	Premise Match	0m	On-site

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1	OFFICE EQUIPMENT MFRS./DISTRIBUTORS	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050.	344713	1970	Premise Match	0m	On-site
	SIGN MANUFACTURERS (S317)	Movitex & Movigraph Systems Pty. Ltd., 206 Parramatta Rd., Camperdown, 2050.	361545	1970	Premise Match	0m	On-site
	ELECTROPLATERS	Alfa Plating Works., 6 Mathieson St., Camperdown	303822	1961	Premise Match	0m	On-site
	MOTOR ACCESSORIES—MFRS.	Ogilvie, A. J., 6 Mathleson St., Camperdown	343916	1961	Premise Match	0m	On-site
	ELECTROPLATERS	Alfa Plating Works, 6 Mathieson St., Camperdown	39114	1950	Premise Match	0m	On-site
	ELECTROPLATERS	Ogilvie, I. M., Mathieson St., Camperdown	39232	1950	Premise Match	0m	On-site
	FOUNDERS-NON-FERROUS	Ogilvie, T. M., Mathieson St., Camperdown	47893	1950	Premise Match	0m	On-site
	MOTOR ACCESSORIES-MANUFACTURERS	Oglivie, A. J., 6 Mathieson St., Camperdown	81879	1950	Premise Match	0m	On-site
2	Motor Car/Truck Dealers - New/Used	Pearce Motor Sales, 128 Pyrmont Bridge Rd., Camperdown	120867	1965	Premise Match	0m	On-site
	MOTOR CAR/TRUCK DEALERS—NEW/USED	Pearce Motor Sales, 128 Pyrmont Bridge Rd., Camperdown	345300	1961	Premise Match	0m	On-site
	MOTOR CAR & TRUCK DEALERS-USED	Pearce Motor Sales, 128 Pyrmont Bridge Rd., Camperdown	82510	1950	Premise Match	0m	On-site
3	COSMETIC CONTAINER MANUFACTURERS	Popolare Metal Stamping Co. Pty. Ltd., 130 Pyrmont Bridge Rd., Camperdown	29190	1950	Premise Match	0m	On-site
	METAL PRESSERS & STAMPERS	Popolare Metal Stamping Co. Pty. Ltd., 130 Pyrmont Bridge Rd., Camperdown	76022	1950	Premise Match	0m	On-site
	DIE & PRESS TOOL MAKERS	Popolare Metal Stamping Pty. Ltd., 130 Pyrmont Bridge Rd., Camperdown	32735	1950	Premise Match	0m	On-site
4	Scientific Apparatus Mfrs &/or Imps &/or Dists	Carl Zeiss Pty Ltd, 114 Pyrmont Bridge Rd Camperdown 2050	61632	1991	Premise Match	0m	North East
	Medical Equipment &/or Repairs	Carl Zeiss Pty Ltd, 114 Pyrmont Bridge Rd., Camperdown 2050	51494	1991	Premise Match	0m	North East
	Instrument Industrial Mfrs &/or Imps &/or Dists	Carl Zeiss Pty Ltd, 114 Pyrmont Bridge Rd., Camperdown. 2050	49190	1991	Premise Match	0m	North East
	Instrument Measuring Mfrs &/or Imps &/or Dists	Carl Zeiss Pty Ltd, 114 Pyrmont Bridge Rd., Camperdown.2050	49252	1991	Premise Match	0m	North East
	Instrument Optical Mfrs &/or Imps &/or Dists	Carl Zeiss Pty Ltd, 114 Pyrmont Bridge Rd., Camperdown.2050	49290	1991	Premise Match	0m	North East
	Instrument Scientific Mfrs &/or Imps &/or Dists	Carl Zeiss Pty Ltd, 114 Pyrmont Bridge Rd., Camperdown.2050	49325	1991	Premise Match	0m	North East
	Instrument Surveying Geodetic &/or Geophysical Mfrs &/or Imps &/or Dists	Carl Zeiss Pty Ltd, 114 Pyrmont Bridge Rd., Camperdown.2050	49359	1991	Premise Match	0m	North East
	Optical Supplies &/or Equipment Mfrs &/or W/Salers	Carl Zeiss Pty. Ltd., 114 Prymont Bridge Rd Camperdown 2050	56247	1991	Premise Match	0m	North East
	Photographic Equipment &/or Supplies Mfrs. &/or Imps. &/or Dists.	Carl Zeiss Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown 2050	97088	1991	Premise Match	0m	North East
	SCIENTIFIC APPARATUS MFRS. &/OR IMPS. &/OR DISTS.	Zeisa, Carl Pty Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	85073	1986	Premise Match	0m	North East
	INSTRUMENT-INDUSTRIAL-MFRS. &/OR IMPS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	48322	1986	Premise Match	0m	North East
	INSTRUMENT-MEASURING-MFRS, &/OR IMPS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	48420	1986	Premise Match	0m	North East
	INSTRUMENT-OPTICAL-MFRS. &/OR IMPS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	48428	1986	Premise Match	0m	North East
	INSTRUMENT-SCIENTIFIC ¬MFRS. &/OR IMPS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	48547	1986	Premise Match	0m	North East

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4	MEDICAL EQUIPMENT &/OR SUPPLIES MFRS. &/OR IMPS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	53349	1986	Premise Match	0m	North East
	MEDICAL SUPPLIES.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	58486	1986	Premise Match	0m	North East
	OPTICAL SUPPLIES MFRS. &/OR W/SALERS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	70776	1986	Premise Match	0m	North East
	SAFETY EQUIPMENT MFRS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	84214	1986	Premise Match	0m	North East
	INSTRUMENT-SCIENTIFIC ¬MFRS. &/OR IMPS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Road, Camperdown. 2050	48465	1986	Premise Match	0m	North East
	PHOTOGRAMMETRIC EQUIPMENT.	Zelss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	72793	1986	Premise Match	0m	North East
	MEDICAL SUPPLIES. (M2040)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd. Camperdown. 2050.	51012	1982	Premise Match	0m	North East
	INSTRUMENTS - INDUSTRIAL - MFRS. &/OR DISTS. (I2900)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	42219	1982	Premise Match	0m	North East
	INSTRUMENTS - MEASURING - MFRS. &/OR IMPS. &/OR DISTS.-(I3100)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	42293	1982	Premise Match	0m	North East
	INSTRUMENTS - OPTICAL - MFRS.&/OR DISTS. (I3210)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	42317	1982	Premise Match	0m	North East
	INSTRUMENTS - SCIENTIFIC MFRS.&/OR DISTS. &/OR IMPS. (I3350)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	42426	1982	Premise Match	0m	North East
	INSTRUMENTS - SURVEYING GEODETIC &/OR GEOPHYSICAL DISTS. (I3400)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	42438	1982	Premise Match	0m	North East
	MEDICAL EQUIPMENT MFRS. &/OR DISTS. (M1960)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	46920	1982	Premise Match	0m	North East
	OPTICAL SUPPLIES MFRS. &/OR W/SALERS. (O3350)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	61775	1982	Premise Match	0m	North East
	PHOTOGRAMMETRIC EQUIPMENT. (P3400)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	63444	1982	Premise Match	0m	North East
	PHOTOGRAPHIC EQUIPMENT - MFRS. &/OR DISTS. (P3820)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	63812	1982	Premise Match	0m	North East
	SAFETY EQUIPMENT MFRS. &/OR DISTS. (S0195)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	72854	1982	Premise Match	0m	North East
	SCIENTIFIC APPARATUS MFRS.&/OR DISTS. (S1530)	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050.	73636	1982	Premise Match	0m	North East
	OPTICAL SUPPLIES MFRS. &/OR W/SALERS.	Zeiss, Carl Pty Ltd, 114 Pyrmont Bridge Rd, Camperdown 2050	54943	1978	Premise Match	0m	North East
	INSTRUMENTS-OPTICAL-MFRS. &/OR DISTS.	Zeiss, Carl Pty. Ltd, 114 Pyrmont Bridge Rd, Camperdown. 2050	37649	1978	Premise Match	0m	North East
	INSTRUMENTS-SCIENTIFIC MFRS. &/OR DISTS. &/OR IMPS.	Zeiss, Carl Pty. Ltd. 114 Pyrmont bridge Rd., Camperdown. 2050	37687	1978	Premise Match	0m	North East
	INSTRUMENTS-MEASURING-MFRS. &/OR IMPS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	37624	1978	Premise Match	0m	North East
	INSTRUMENTS-SCIENTIFIC MFRS. &/OR DISTS. &/OR IMPS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	37767	1978	Premise Match	0m	North East
	INSTRUMENTS-SURVEYING GEODETIC &/OR GEOPHYSICAL DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	37780	1978	Premise Match	0m	North East
	PHOTOGRAMMETRIC EQUIPMENT	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	56499	1978	Premise Match	0m	North East
	PHOTOGRAPHIC EQUIPMENT-MFRS.&/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	56781	1978	Premise Match	0m	North East
	PICTURE THEATRE EQUIPMENT &/OR SUPPLIES.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	57072	1978	Premise Match	0m	North East
	SCIENTIFIC APPARATUS MFRS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	65148	1978	Premise Match	0m	North East
	INSTRUMENTS-MEASURING-MFRS.&/OR IMPS. &/OR DISTS.	Zeiss Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	44513	1975	Premise Match	0m	North East

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4	INSTRUMENTS-OPTICAL-MFRS &/OR DISTS.	Zeiss Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	44538	1975	Premise Match	0m	North East
	INSTRUMENTS-SCIENTIFIC MFRS- &/OR DISTS. &/OR IMPS.	Zeiss Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	44676	1975	Premise Match	0m	North East
	INSTRUMENTS-SURVEYING GEODETIC &/OR GEOPHYSICAL DISTS.	Zeiss Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	44694	1975	Premise Match	0m	North East
	SCIENTIFIC APPARATUS MFRS &/OR DISTS	Zeiss Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	76105	1975	Premise Match	0m	North East
	OPTICAL SUPPLIES MFRS. &/OR W/SALERS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	64828	1975	Premise Match	0m	North East
	PHOTOGRAMMETRIC EQUIPMENT.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	66573	1975	Premise Match	0m	North East
	PHOTOGRAPHIC EQUIPMENT-MFRS. &/OR DISTS.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	66924	1975	Premise Match	0m	North East
	PICTURE THEATRE EQUIPMENT &/OR SUPPLIES.	Zeiss, Carl Pty. Ltd., 114 Pyrmont Bridge Rd., Camperdown. 2050	67212	1975	Premise Match	0m	North East
5	Sheet Metal Workers	Model Engineering Products Pty. Ltd., Cahill & Mathieson St., Camperdown	144011	1965	Road Intersection	7m	North West
	SPRAYERS ---INDUSTRIAL	Model Engineering Products Pty. Ltd., Cahill & Mathieson Sts., Camperdown	146776	1965	Road Intersection	7m	North West
	Engineers General &/or Mfrg. &/or Mechanical	Model Engineering Products Pty. Ltd., Cahill St. & Mathleson St., Camperdown	82658	1965	Road Intersection	7m	North West
6	Kitchen Units Mfrs &/or Dists &/or Installers	A Plan Self Assembly Kitchens, 208 Parramatta Rd., Camperdown. 2050	50078	1991	Premise Match	9m	South West
	Builders Supplies	Builders Bargain Centre., 208 Parramatta Rd., Camperdown 2050	37083	1991	Premise Match	9m	South West
	BUILDERS SUPPLIERS. (B7060)	Homes & Builders Bargain Centre, 208 Parramatta Rd., Camperdown. 2050.	9787	1982	Premise Match	9m	South West
	BUILDERS SUPPLIERS.	Bargain Centre. 208 Parramatta Rd., Camperdown. 2050	8148	1978	Premise Match	9m	South West
	ENGINEER'S SUPPLIES	S & B Machinery Pty. Ltd., 208 Parramatta Rd, Camperdown. 2050.	30689	1975	Premise Match	9m	South West
	SPRAYING EQUIPMENT MFRS. &/OR DISTS.	S. & B. Machinery Pty. Ltd., 208 Parramatta Rd., Camperdown.	79416	1975	Premise Match	9m	South West
	AIR COMPRESSOR MFRS. &/OR DISTS.	S. & B. Machinery Pty. Ltd., 208 Parramatta Rd., Camperdown. 2050	1581	1975	Premise Match	9m	South West
	OIL-LUBERICATING MFRS. &/OR SUPPLIERS	S. & B. Machinery Pty. Ltd., 208 Parramatta Rd., Camperdown. 2050	64732	1975	Premise Match	9m	South West
	STATION &/OR FARM SUPPLIES.	S. & B. Machinery Pty. Ltd., 208 Parramatta Rd., Camperdown. 2050	79732	1975	Premise Match	9m	South West
	WIRE ROPE MERCHANTS.	S. & B. Machinery Pty. Ltd., 208 Parramatta Rd., Camperdown. 2050	87613	1975	Premise Match	9m	South West
	ENGINEERS-GENERAL &/OR MFRG.&/OR MECHANICAL (E615)	Stead & Baker Pty Pty. Ltd., 208 Parramatta Rd., Camperdown	299641	1970	Premise Match	9m	South West
	TRANSMISSION BELTING MFRS. &/OR DISTS	Stead & Baker Pty. Ltd, 208 Parramatta Rd, Camperdown	370897	1970	Premise Match	9m	South West
	WIRE ROPE MERCHANTS (W340)	Stead & Baker Pty. Ltd, 208 Parramatta Rd, Camperdown	374874	1970	Premise Match	9m	South West
	BELTING-LEATHER, RUBBER, PLASTIC,ETC.-MFRS. &/OR DISTS. (B325)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	266974	1970	Premise Match	9m	South West
	ENGINEERS-STEAM (E760)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	301007	1970	Premise Match	9m	South West
	HACKSAW MACHINERY MFRS. (H030)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	313542	1970	Premise Match	9m	South West
	METER & METER EQUIPMENT MFRS./IMPS./DISTS. (M324)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	330233	1970	Premise Match	9m	South West
	OILS-LUBRICATING-MERCHANTS(O 200)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	345177	1970	Premise Match	9m	South West
	PUMP MANUFACTURERS &/OR DISTRIBUTORS (P906)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	353836	1970	Premise Match	9m	South West

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6	FOUNDERS-NON-FERROUS (F540)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown.	306148	1970	Premise Match	9m	South West
	SPRAYING EQUIPMENT MFRS. &/OR DISTRIBUTORS (S464)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown.	363846	1970	Premise Match	9m	South West
	STATION/FARM SUPPLIES (S504)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown.	364255	1970	Premise Match	9m	South West
	VALVES/COCKS (STEAM/LIQUID,Etc.) MFRS./DISTS.(V065)	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown.	372415	1970	Premise Match	9m	South West
	AIR COMPRESSOR MFRS. &/OR DISTS. (A245)	Stead & Baker, 208 Parramatta Rd., Camperdown	260771	1970	Premise Match	9m	South West
	SIGN MANUFACTURERS	Neon Tube Lighting Displays, 208 Parramatta Rd., Camperdown	144813	1965	Premise Match	9m	South West
	Belting - Leather, Rubber, Etc. Mfrs. &/or Dists.	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	51500	1965	Premise Match	9m	South West
	Engineers - Steam	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	84218	1965	Premise Match	9m	South West
	Founders - Non-Ferrous	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	89519	1965	Premise Match	9m	South West
	Hacksaw Machinery Mfrs.	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	97675	1965	Premise Match	9m	South West
	Motor Accessories - Dealers	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	119641	1965	Premise Match	9m	South West
	Motor Accessories - W'sale	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	119884	1965	Premise Match	9m	South West
	Motor Spare Parts Dealers - Retail	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	126656	1965	Premise Match	9m	South West
	Piston Ring Manufacturers &/or Distributors	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	133456	1965	Premise Match	9m	South West
	SPRAYING EQUIPMENT MFRS. &/OR DISTRIBUTORS	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	146826	1965	Premise Match	9m	South West
	STATION/FARM SUPPLIES	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	147199	1965	Premise Match	9m	South West
	Transmission Belting Dists.	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	153753	1965	Premise Match	9m	South West
	Valves - Steam, Water - Mfrs./Dists.	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	155264	1965	Premise Match	9m	South West
	Valves/Cocks, Etc. Mfrs.	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	155212	1965	Premise Match	9m	South West
	Wire Rope Merchants	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	157696	1965	Premise Match	9m	South West
	Engineers General &/or Mfrg. &/or Mechanical	Stead & Baker Pty. Ltd., 268 Parramatta Rd., Camperdown	82893	1965	Premise Match	9m	South West
	Air Compressor Mfrs. &/or Dists.	Stead & Baker., 208 Parramatta Rd., Camperdown	45657	1965	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS / DYERS	Lawrence Dry Cleaners Pty. Ltd., 208 Parramatta Rd., Camperdown	299159	1961	Premise Match	9m	South West
	FLUORESCENT LIGHTING EQUIPMENT MANUFACTURERS	Neon Tube Lighting Display, (Stead & Baker), 208 Parramatta Rd., Camperdown	312216	1961	Premise Match	9m	South West
	BRASS FITTINGS & BRASSWARE MANUFACTURERS	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	275670	1961	Premise Match	9m	South West
	STATION/FARM SUPPLIES	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown	252807	1961	Premise Match	9m	South West
	FOUNDERS-NON-FERROUS	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown.	313720	1961	Premise Match	9m	South West
	MOTOR SPARE PARTS DEALERS—RETAIL	Stead & Baker Pty. Ltd., 208 Parramatta Rd., Camperdown.	351747	1961	Premise Match	9m	South West
	ELECTRIC SIGN MANUFACTURERS &/OR INSTALLERS	Stead & Baker, 208 Parramatta Rd., Camperdown	301252	1961	Premise Match	9m	South West
	FLUORESCENT LIGHTING SPEC.	Stead & Baker, 208 Parramatta Rd., Camperdown	312289	1961	Premise Match	9m	South West
	MOTOR SPARE PARTS MFRS. &/OR WHOLESALERS	Stead & Baker, 208 Parramatta Rd., Camperdown	351927	1961	Premise Match	9m	South West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
6	DRY CLEANERS, PRESSERS & DYERS	Lawrence Dry Cleaners, 212 Parramatta Rd Camperdown	35398	1950	Premise Match	9m	South West
7	Umbrella Mfrs &/or Wsalers	Arnold House Pty Ltd, 16 Cahill St Camperdown 2050	65374	1991	Premise Match	9m	North
8	FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Legend Furniture, 2 Mathieson St., Camperdown. 2050	36744	1975	Premise Match	9m	North West
	FURNITURE-LOUNGE SUITES-MFRS.&/OR W'SALERS (F755)	Fairweather, W. O. & Son Pty. Ltd., 2 Mathieson St., Camperdown 2050	309733	1970	Premise Match	9m	North West
	CABINETMAKERS (C006)	Fairweather, W. O. & Son Pty. Ltd., 2 Mathieson St., Camperdown, 2050	275128	1970	Premise Match	9m	North West
	FURNITURE-PERIOD-MFRS. &/OR WHOLESALERS (F780)	Fairweather, W. O. & Son Pty. Ltd., 2 Mathieson St., Camperdown, 2050	310024	1970	Premise Match	9m	North West
	CHAIR MANUFACTURERS (C239)	Fairweather, W.O. & Son Pty. Ltd., 2 Mathieson St., Camperdown, 2050	279101	1970	Premise Match	9m	North West
	FURNITURE-BEDROOM-MFRS. &/OR WHOLESALERS	Fairweather, W.O. & Son Pty. Ltd., 2 Mathieson St., Camperdown, 2050	308989	1970	Premise Match	9m	North West
	UPHOLSTERERS (U050)	Fairweather, W.O. & Son Pty. Ltd., 2 Mathieson St., Camperdown, 2050	372047	1970	Premise Match	9m	North West
	WOODWORKERS/TURNERS (W410)	Fairweather, W.O. & Son Pty. Ltd., 2 Mathieson St., Camperdown, 2050	375036	1970	Premise Match	9m	North West
	FRENCH POLISHERS (F597)	Fairweather, W.O.& Son Pty. Ltd., 2 Mathieson St., Camperdown, 2050	306252	1970	Premise Match	9m	North West
	FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS (F730)	Fairweather, W.O.& Son Pty. Ltd., 2 Mathieson St., Camperdown, 2050	309211	1970	Premise Match	9m	North West
	Furniture - Lounge Suites - Mfrs. &/or W'Salers	Fairweather, W. O. & Son, Mathieson St., Camperdown	93784	1965	Premise Match	9m	North West
	Furniture - Bedroom - Mfrs. &/or Wholesalers	Fairweather, W. O. & Son., Mathieson St., Camperdown	92839	1965	Premise Match	9m	North West
	Furniture - General - Mfrs. &/or Wholesalers	Fairweather, W. O. & Son., Mathieson St., Camperdown	93251	1965	Premise Match	9m	North West
	Furniture - Period - Mfrs. &/or Wholesalers	Fairweather, W. O. & Son., Mathieson St., Camperdown	158627	1965	Premise Match	9m	North West
	Woodworkers/Turners	Fairweather, W. O. & Son., Mathieson St., Camperdown	157875	1965	Premise Match	9m	North West
	Upholsterers	Fairweather, W. O. and Son, Mathieson St., Camperdown	154892	1965	Premise Match	9m	North West
	Cabinetmakers	Fairweather, W. O., Mathieson St., Camperdown	59911	1965	Premise Match	9m	North West
	Chair Manufacturers	Fairweather, W. O., Mathieson St., Camperdown	63875	1965	Premise Match	9m	North West
	French Polishers	Fairweather, W. O., Mathieson St., Camperdown	89619	1965	Premise Match	9m	North West
	WOODWORKERS/TURNERS	Fairweather, W. O. & Son, 2 Mathieson St., Camperdown	263618	1961	Premise Match	9m	North West
	FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Fairweather, W. O. & Son, Mathieson St., Camperdown	317492	1961	Premise Match	9m	North West
	UPHOLSTERERS	Fairweather, W. O. and Son, Mathieson St., Camperdown	260455	1961	Premise Match	9m	North West
	CHAIR MANUFACTURERS	Fairweather. W. O., Mathieson St., Camperdown	286325	1961	Premise Match	9m	North West
	FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Fairweather, W. O. and Son, Mathieson St., Camperdown	52705	1950	Premise Match	9m	North West
	UPHOLSTERERS	Fairweather, W. O. and Son, Mathieson St., Camperdown	11118(	1950	Premise Match	9m	North West
	CABINETMAKERS	Fairweather, W. O., Mathieson St., Camperdown	14893	1950	Premise Match	9m	North West
	CHAIR MANUFACTURERS	Fairweather, W. O., Mathieson St., Camperdown	20812	1950	Premise Match	9m	North West
	FRENCH POLISHERS	Fairweather, W. O., Mathieson St., Camperdown	48054	1950	Premise Match	9m	North West
9	CONFECTIONERY MFRS. &/OR W/SALERS. (C7366)	Cains Confectionery Co. Pty. Ltd., 11 Mathieson St., Camperdown. 2050.	17818	1982	Premise Match	13m	North West
	CONFECTIONERY MFRS. &/OR W/SALERS.	Cains Confectionery Co. Pty. Ltd., 11 Mathieson St., Camperdown. 2050	16117	1978	Premise Match	13m	North West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
9	CONFECTIONERS-MFRS. &/OR W/SALERS.	Cains Confectionery Co. Pty. Ltd., 11 Mathieson St., Camperdown. 2050	18631	1975	Premise Match	13m	North West
	CONFECTIONERS-MANUFACTURING &/OR WHOLESALE	Cains Confectionery Co. Pty. Ltd., 11 Mathieson St., Camperdown	285408	1970	Premise Match	13m	North West
	Confectioners - Manufacturing &/or Wholesale	Cains Confectionery Co. Pty. Ltd., 11 Mathieson St., Camperdown	70034	1965	Premise Match	13m	North West
	CONFECTIONERS-MANUFACTURING &/OR WHOLESALE	Cains Confectionery Co. Pty. Ltd., 11 Mathieson St., Camperdown	292587	1961	Premise Match	13m	North West
	CONFECTIONERS-MANUFACTURING &/OR WHOLESALE	Cains Confectionery Co., Matheson St., Camperdown	28540	1950	Premise Match	13m	North West
	CONFECTIONERS-MANUFACTURING &/OR WHOLESALE	Cains Confectionery Co., Mathieson St., Camperdown	28541	1950	Premise Match	13m	North West
10	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Camperdown Car Club Co. Pty. Limited, Cnr. Parramatta & Pyrmont Rds. CAMPERDOWN	350437	1961	Road Intersection	14m	South
11	Bath, Basin &/or Sink Mfrs &/or Dists	Bathrooms International Aust. Pty Ltd, 112 Pyrmont Bridge Rd, Camperdown 2050	35657	1991	Premise Match	17m	North East
	Plumbers Supplies	Bathrooms International Aust. Pty. Ltd., 112 Pyrmont Bridge Rd., Camperdown. 2050	58236	1991	Premise Match	17m	North East
	Tile Floor &/or Wall Mfrs &/or Imps &/or Merchants	Renditions Pty Ltd, 112 Pyrmont Bridge Rd Camperdown 2050	64248	1991	Premise Match	17m	North East
	Tile Layers Floor &/or Wall	Renditions Pty Ltd, 112 Pyrmont Bridge Rd Camperdown 2050	64280	1991	Premise Match	17m	North East
	NAME PLATE MFRS. &/OR DISTS.	Movitex Systems Pty. Ltd., 112 Pyrmont Bridge Rd., Camperdown. 2050	69067	1986	Premise Match	17m	North East
	PLASTIC SIGNS &/OR LETTERS MFRS. &/OR DISTS.	Movitex Systems Pty. Ltd., 112 Pyrmont Bridge Rd., Camperdown. 2050	74839	1986	Premise Match	17m	North East
	PRICE TICKETING SYSTEM MFRS.	Movitex Systems Pty. Ltd., 112 Pyrmont Bridge Rd., Camperdown. 2050	75850	1986	Premise Match	17m	North East
	BUILDING DIRECTORY SIGN &/OR LETTERING EQUIPMENT MFRS. &/OR SUPPLIERS.	Movitex Systems Pty. Ltd., 112 Pyrmont Bridge Rd., Camperdown.2050	8903	1986	Premise Match	17m	North East
	SIGN MFRS. &/OR DISTS.	Movltex Systems Pty. Ltd., 112 Pyrmont Bridge Rd., Camperdown. 2050	86732	1986	Premise Match	17m	North East
	PLASTIC SIGNS &/OR LETTERS MFRS. &/OR DISTS. (P6400)	Achurch Signs, 112 Pyrmont Bridge Rd., Camperdown. 2050.	65036	1982	Premise Match	17m	North East
	SHEET METAL WORKERS. (S2595)	Achurch Signs, 112 Pyrmont Bridge Rd., Camperdown. 2050.	74215	1982	Premise Match	17m	North East
	SIGN MFRS. (S3360)	Achurch Signs, 112 Pyrmont Bridge Rd., Camperdown. 2050.	74811	1982	Premise Match	17m	North East
	SIGN MFRS.	Achurch Signs, 112 Pyrmont Bridge Rd., Camperdown. 2050	66239	1978	Premise Match	17m	North East
	PLASTIC SIGNS &/OR LETTERS MFRS.	Achurch Signs. 112 Pyrmont Bridge Rd., Camperdown. 2050	58023	1978	Premise Match	17m	North East
	PLASTIC SIGNS &/OR LETTERS MFRS.	Achurch Signs., 112 Pyrmont Bridge Rd., Camperdown. 2050	68282	1975	Premise Match	17m	North East
	SIGNWRITERS.	Achurch Signs., 112 Pyrmont Bridge Rd., Camperdown. 2050	77596	1975	Premise Match	17m	North East
	METAL PRESSERS/STAMPERS (M268)	Kerr, F. G. & Co. Ltd., 106 Pyrmont Bridge Rd., Camperdown	329961	1970	Premise Match	17m	North East
	GALVANISING & TINNING (G030)	Kerr, F. G. & Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	310210	1970	Premise Match	17m	North East
	SHEET METAL WORKERS (S230)	Kerr, F. G. & Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	360655	1970	Premise Match	17m	North East
	STAINLESS STEEL FABRICATORS(S483)	Kerr, F. G. & Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	364069	1970	Premise Match	17m	North East
	WELDERS-ELECTRIC &/OR OXY	Kerr, F.G.& Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	373755	1970	Premise Match	17m	North East

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11	Galvanising & Tining	Kerr, F. G. & Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	94405	1965	Premise Match	17m	North East
	Sheet Metal Workers	Kerr, F. G. & Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	143970	1965	Premise Match	17m	North East
	STAINLESS STEEL FABRICATORS	Kerr, F. G. & Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	147034	1965	Premise Match	17m	North East
	Welders - Electric &/or Oxy	Kerr, F. G. & Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	156577	1965	Premise Match	17m	North East
	Metal Pressers/Stampers	Kerr, F. G. & Co. Ltd., Cnr. Gordon St. & Pyrmont Bridge Rd., Camperdown	114453	1965	Premise Match	17m	North East
	METAL WORKERS—GENERAL	Kerr, F. G. & Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	338489	1961	Premise Match	17m	North East
	TINSMITHS	Kerr, F. G. & Co. Ltd., 112 Pyrmont Bridge Rd., Camperdown	257662	1961	Premise Match	17m	North East
	METAL PRESSERS/STAMPERS	Kerr, F. G. & Co. Ltd., Cnr. Gordon St. & Pyrmont Bridge Rd., Camperdown	338247	1961	Premise Match	17m	North East
	SHEET METAL WORKERS	Kerr, F. G. & Co. Ltd., Cnr. Gordon St. & Pyrmont Bridge Rd., Camperdown	249324	1961	Premise Match	17m	North East
	WELDERS-ELECTRIC &/OR OXY	Kerr, F. G. & Co. Ltd., Cnr. Gordon St. & Pyrmont Bridge Rd., Camperdown	262208	1961	Premise Match	17m	North East
	SHEET METAL WORKERS	Kerr, F. G. &. Co. Ltd., 106-120 Pyrmont Bridge Rd., Camperdown	249325	1961	Premise Match	17m	North East
	METAL WORKERS-GENERAL	Kerr, F. G. and Co. Ltd., 112 Pyrmont Bridge Rd., Camperdown	76148	1950	Premise Match	17m	North East
	SHEET METAL WORKERS	Kerr, F. G. and Co. Ltd., 112 Pyrmont Bridge Rd., Camperdown	101741	1950	Premise Match	17m	North East
	WELDERS-ELECTRIC &/OR OXY	Kerr, F. G. and Co. Ltd., 112 Pyrmont Bridge Rd., Camperdown	112881	1950	Premise Match	17m	North East
	CANISTER & DRUM MANUFACTURERS	Kerr, F. G. and Co. Ltd., Pyrmont Bridge Rd., Camperdown	17479	1950	Premise Match	17m	North East
	GALVANISING	Kerr, F. G. and Co. Ltd., Pyrmont Bridge Rd., Camperdown	53922	1950	Premise Match	17m	North East
	DAIRY MACHINERY MFRS. &/OR DEALERS	Kerr, F. G. and Co. Pty. Ltd., Pyrmont Bridge Rd., Camperdown	30129	1950	Premise Match	17m	North East
12	Motor Garages & Service Stations	Esso Service Centre, 200 Parramatta Rd., Camperdown 2050	53731	1991	Premise Match	20m	East
	MOTOR GARAGES & SERVICE STATIONS.	Esso Selfserve, 200 Parramatta Rd., Camperdown. 2050	64664	1986	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Esso Selfserve, 200 Parramatta Rd., Camperdown. 2050.	56730	1982	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter, 200 Parramatta Rd., Camperdown.	50008	1978	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS.	Esso Servicenter 200 Parramatta Rd., Camperdown.	58839	1975	Premise Match	20m	East
	SANDWICH &/OR LUNCHEON SHOPS.	Parramatta Road, Gordon St. Milk & Sandwich Bar., 198 Parramatta Rd., Camperdown. 2050	75429	1975	Premise Match	20m	East
	MOTOR GARAGES & ENGINEERS(M6S6)	Esso Servicenter, Parramatta Rd. CAMPERDOWN	337771	1970	Premise Match	20m	East
	SANDWICH/LUNCHEON SHOPS (S065)	Parramatta Road-Gordon Street Milk & Sandwich Bar, 198 Parramatta Rd., Camperdown	358855	1970	Premise Match	20m	East
	Sandwich & Luncheon Shops	Parramatta Road-Gordon Street Milk & Sandwich Bar., 198 Parramatta Rd., Camperdown	142092	1965	Premise Match	20m	East
	FOUNDERS-NON-FERROUS	Watson and Crane Pty. Ltd. 194 Parramatta Rd., Camperdown	47951	1950	Premise Match	20m	East
	BRASS FINISHERS	Watson and Crane Pty. Ltd., 194 Parramatta Rd., Camperdown	11179	1950	Premise Match	20m	East
	DIE & PRESS TOOL MAKERS	Watson and Crane Pty. Ltd., 194 Parramatta Rd., Camperdown	32766	1950	Premise Match	20m	East
	METAL PRESSERS & STAMPERS	Watson and Crane Pty. Ltd., 194 Parramatta Rd., Camperdown	76054	1950	Premise Match	20m	East
13	TAILORS - MANUFACTURING. (T0100)	Angelo, V'Dal, 210 Parramatta Rd., Camperdown. 2050	78056	1982	Premise Match	26m	South West

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13	MERCERS - MENS &/OR BOYS OUTFITTERS. (M2120)	Angelo, V'Dal, 210 Parramatta Rd., Camperdown. 2050.	51063	1982	Premise Match	26m	South West
	MERCERS-MENS &/OR BOYS OUTFITTERS.	Angelos, 210 Parramatta Rd., Camperdown. 2050	44816	1978	Premise Match	26m	South West
	TAILORS-MANUFACTURING.	Angelos, 210 Parramatta Rd., Camperdown. 2050	69159	1978	Premise Match	26m	South West
14	TRADE UNIONS	Gas Industry Salaried Officers' Federation (N.S.W. Branch), 169 Parramatta Rd., Annandale	259015	1961	Premise Match	27m	South
	TRADE UNIONS	Gas Light Company's Salaried Officers' Association, The. Australian, 169 Parramatta Rd., Annandale	259016	1961	Premise Match	27m	South
15	CLOTHING - MENS & BOYS WEAR MFRS. &/OR W/SALERS. (C5657)	Flamar Sports Pty. Ltd., 212 Parramatta Rd., Camperdown. 2050	16903	1982	Premise Match	41m	South West
	CLOTHING - MENS & BOYS WEAR MFRS. &/OR W/SALERS.	Fiamar Sport Pty. Ltd., 212 Parramatta Rd., Camperdown. 2050	15157	1978	Premise Match	41m	South West
	MOTOR SPARE PARTS DEALERS-RETAIL (M728)	Harden & Johnston (Sales) Pty. Ltd., 212 Parramatta Rd., Camperdown	341850	1970	Premise Match	41m	South West
	MOTOR CAR/TRUCK DEALERS-NEW/USED (M520)	Harden & Johnston (Sales) Pty. Ltd., 212-220 Parramatta Rd., Camperdown	336002	1970	Premise Match	41m	South West
	MILLINERY - MANUFACTURERS &/OR WHOLESALERS	Morley, Jones Pty. Ltd., 212 Parramatta Rd., Camperdown.	331494	1970	Premise Match	41m	South West
	Millinery - Manufacturers &/or Wholesalers	Morley, Jones Pty. Ltd., 212 Parramatta Rd., Camperdown	116036	1965	Premise Match	41m	South West
	MOTOR CAR/TRUCK IMPORTERS/DISTRIBUTORS	Harden & Johnston (Sales) Pty Ltd 212-220 Parramatta Rd., Camperdown	345505	1961	Premise Match	41m	South West
	MOTOR SPARE PARTS DEALERS—RETAIL	Harden & Johnston Ltd., 212 Parramatta Rd., Camperdown	351543	1961	Premise Match	41m	South West
	MILLINERY—MANUFACTURERS &/OR WHOLESALERS	Morley, Jones Pty. Ltd., 212 Parramatta Rd., Camperdown.	339932	1961	Premise Match	41m	South West
	MOTOR BODY BUILDERS	Camperdown Motor Body Co., 214 Parramatta Rd., Camperdown	82044	1950	Premise Match	41m	South West
	MOTOR PAINTERS	Camperdown Motor Body Co., 214 Parramatta Rd., Camperdown	84740	1950	Premise Match	41m	South West
	MOTOR PANEL BEATERS	Camperdown Motor Body Co., 214 Parramatta Rd., Camperdown	85202	1950	Premise Match	41m	South West
	MOTOR TRIMMERS	Camperdown Motor Body Co., 214 Parramatta Rd., Camperdown	87011	1950	Premise Match	41m	South West
16	TRAVEL GOODS - WHOLESALE(T7550)	Franks, M. H, Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050.	82297	1982	Premise Match	46m	South West
	UPHOLSTERERS SUPPLIES. (U0650)	Franks, M. H. Pty. Ltd., 187 Parramatta Rd, Camperdown. 2050.	82955	1982	Premise Match	46m	South West
	HANDBAG MFRS. &/OR W/SALERS. (H1300)	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050.	38909	1982	Premise Match	46m	South West
	MOTOR TRIMMERS SUPPLIES. (M8280)	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050.	59849	1982	Premise Match	46m	South West
	FURNITURE &/OR CABINET MAKERS SUPPLIES. (F7355)	Franks. M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050.	34386	1982	Premise Match	46m	South West
	MOTOR TRIMMERS SUPPLIES.	Franks, M H Pty Ltd, 187 Parramatta Rd, Camperdown 2050	53316	1978	Premise Match	46m	South West
	TRAVEL GOODS W/SALERS.	Franks, M. H. Pty. Ltd, 187 Parramatta Rd, Camperdown. 2050	72583	1978	Premise Match	46m	South West
	FURNITURE &/OR CABINATE MAKERS SUPPLIES	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050	31248	1978	Premise Match	46m	South West
	HANDBAG MFRS. &/OR W/SALERS.	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050	34800	1978	Premise Match	46m	South West
	UPHOLSTERERS SUPPLIES.	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown.2050	73189	1978	Premise Match	46m	South West
	FURNITURE &/OR CABINET MAKERS SUPPLIES.	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050	36354	1975	Premise Match	46m	South West
	HANDBAG &/OR SUITCASE MFRS. SUPPLIES.	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050	41043	1975	Premise Match	46m	South West

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16	UPHOLSTERERS SUPPLIES.	Franks. M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050	85865	1975	Premise Match	46m	South West
	EXPORTERS.	Franks. M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050.	31019	1975	Premise Match	46m	South West
	MOTOR TRIMMERS SUPPLIES.	Franks. M. M. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050	62852	1975	Premise Match	46m	South West
	IMPORTERS.	Franks.M., H. Pty. Ltd., 187 Parramatta Rd., Camperdown. 2050	43659	1975	Premise Match	46m	South West
	HANDBAG/SUITCASE MFRS.' SUPPLIES (H190)	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown	314828	1970	Premise Match	46m	South West
	IMPORTERS (I200)	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown	318308	1970	Premise Match	46m	South West
	MOTOR TRIMMERS' SUPPLIES (M752)	Franks, M. H. Pty. Ltd., 187 Parramatta Rd., Camperdown	342713	1970	Premise Match	46m	South West
	EXPORTERS (E835)	Franks, M.H. Pty. Ltd., 187 Parramatta Rd., Camperdown	301605	1970	Premise Match	46m	South West
	UPHOLSTERERS' SUPPLIES (U070)	Franks, M.H.Pty. Ltd, 187 Parramatta Rd, Camperdown	372170	1970	Premise Match	46m	South West
	FURNITURE/CABINET MAKERS' SUPPLIES	Franks, M.H.Pty. Ltd., 187-191 Parramatta Rd., Camperdown	308949	1970	Premise Match	46m	South West
	Exporters	Franks Trading Co. Pty. Ltd., 187 Parramatta Rd., Camperdown	84979	1965	Premise Match	46m	South West
	Motor Trimmers	Franks Trading Co. Pty. Ltd., 187 Parramatta Rd., Camperdown	127218	1965	Premise Match	46m	South West
	Plastic Manufacturers - Sheeting	Franks Trading Co. Pty. Ltd., 187 Parramatta Rd., Camperdown	134172	1965	Premise Match	46m	South West
	Upholsterers' Supplies	Franks Trading Co. Pty. Ltd., 187 Parramatta Rd., Camperdown	155047	1965	Premise Match	46m	South West
	Importers	Franks Trading Co. Pty. Ltd., 187-Parramatta Rd., Camperdown	102536	1965	Premise Match	46m	South West
	Motor Trimmers' Supplies	Franks Trading Co. Pty. Ltd., Cnr. Parramatta Rd. & Cardigan St., Camperdown	127319	1965	Premise Match	46m	South West
	TYRE RETREADERS & VULCAN ISERS	Aberlines Tyre House, 191 Parramatta Rd., Camperdown	110934	1950	Premise Match	46m	South West
	TYRE & TUBE DEALERS	Aberlines Tyre Shop, 191 Parramatta Rd., Camperdown	110782	1950	Premise Match	46m	South West
17	Brewers &/or Maltsters Machinery Mfrs &/or Imps &/or Dists	Hahn Brewing Co. Pty. Ltd., The., 101 Pyrmont Bridge Rd., Camperdown 2050	36585	1991	Premise Match	49m	East
	FURNITURE REPAIRERS &/OR REMODELLERS. (F8975)	Legend Furniture, 188 Parramatta Rd., Camperdown. 2050.	35522	1982	Premise Match	49m	East
	FURNITURE-GENERAL-MFRS.&/OR W/SALERS. (F7675)	Legend Furniture, 188 Parramatta Rd., Camperdown. 2050.	35052	1982	Premise Match	49m	East
	UPHOLSTERERS. (U0450)	Legend Furniture, 188 Parramatta Rd., Camperdown. 2050.	82868	1982	Premise Match	49m	East
	UPHOLSTERERS.	Legend Furniture, 188 Parramatta Rd., Camperdown. 2050	73113	1978	Premise Match	49m	East
	FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Legend Furniture. 188 Parramatta Rd., Camperdown. 2050	31631	1978	Premise Match	49m	East
	FOOD-FROZEN-MFRS &/OR IMPS &/OR DISTS.	Elite Food Distributing Co Pty. Ltd., 188 Parramatta Rd., Camperdown. 2050.	33411	1975	Premise Match	49m	East
	FOOD EXPORTERS.	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd, Camperdown. 2050.	33359	1975	Premise Match	49m	East
	FOOD IMPORTERS	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown. 2050	33477	1975	Premise Match	49m	East
	SPICE MERCHANTS.	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown. 2050	78901	1975	Premise Match	49m	East
	MANUFACTURERS AGENTS.	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown. 2050.	48710	1975	Premise Match	49m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
17	ELECTRIC LIGHT FITTINGS (SHADES, STANDARD BRACKETS, ETC) MFRS. &/OR DISTS.	Bass Products Pty. Ltd., 188 Parramatta Rd., Camperdown	293813	1970	Premise Match	49m	East
	ELECTRIC SIGN MANUFACTURERS &/OR INSTALLERS (E240)	Bass Products Pty. Ltd., 188 Parramatta Rd., Camperdown	294347	1970	Premise Match	49m	East
	FLUORESCENT LIGHTING SPEC. (F370)	Bass Products Pty. Ltd., 188 Parramatta Rd., Camperdown	304615	1970	Premise Match	49m	East
	PLASTIC MFRS. &/OR MOULDERS(P580)	Bass Products Pty. Ltd., 188 Parramatta Rd., Camperdown	349820	1970	Premise Match	49m	East
	PLASTIC SIGNS,LETTER MFRS. (P590)	Bass Products Pty. Ltd., 188 Parramatta Rd., Camperdown	350135	1970	Premise Match	49m	East
	SIGN MANUFACTURERS (S317)	Bass Products Pty. Ltd., 188 Parramatta Rd., Camperdown	361511	1970	Premise Match	49m	East
	PLASTIC FABRICATORS & VACUUM FORMERS	Bass Products., 188 Parramatta Rd., Camperdown	349520	1970	Premise Match	49m	East
	FOOD IMPORTERS (F405)	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	304826	1970	Premise Match	49m	East
	FOODS-FROZEN-SPECIALISTS(F439)	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	305154	1970	Premise Match	49m	East
	MANUFACTURERS' AGENTS (M112)	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	324845	1970	Premise Match	49m	East
	FOOD EXPORTERS (F400)	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown.	304761	1970	Premise Match	49m	East
	POWER TRANSMISSION EQUIP. MFRS. &/OR DISTRIRUTORS (P732)	Gardner Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdown	351435	1970	Premise Match	49m	East
	BELTING-LEATHER, RUBBER, PLASTIC,ETC.-MFRS. &/OR DISTS. (B325)	Gardner, Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdown	266955	1970	Premise Match	49m	East
	ENGINEERS' SUPPLIES (E770)	Gardner, Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdown	297160	1970	Premise Match	49m	East
	ENGINEERS-TRANSMISSION (E785)	Gardner, Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdown	301232	1970	Premise Match	49m	East
	BEARINGS & BUSHES-MFRS. &/OR DISTS. (B255)	R & M Bearings Aust (Pty.) Ltd., 101 Pyrmont Bridge Rd., Camperdown.	265448	1970	Premise Match	49m	East
	BALL & ROLLER BEARING MFRS., IMPS. &/OR DISTRIBUTORS	R & M Bearings Australia (Pty.) Ltd., 101 Pyrmont Bridge Rd., Camperdown	264661	1970	Premise Match	49m	East
	SMALLGOODS MANUFACTURERS &/OR WHOLESALERS	"Elite" Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	145185	1965	Premise Match	49m	East
	Electric Light Fittings (Shades, Standard Brackets, Etc.) Mfrs. &/or Dists.	Bass Products Pty. Ltd., 188 Parramatta Rd., Camperdown	77616	1965	Premise Match	49m	East
	Fluorescent Lighting Spec.	Bass Products Pty. Ltd., 188 Parramatta Rd., Camperdown	87994	1965	Premise Match	49m	East
	Plastic Fabricators & Vacuum Formers	Bass Products, 188 Parramatta Rd., Camperdown	133772	1965	Premise Match	49m	East
	Food - Frozen - Specialists	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	88527	1965	Premise Match	49m	East
	Food Distributors &/or W'salers	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	88139	1965	Premise Match	49m	East
	Food Exporters	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	88157	1965	Premise Match	49m	East
	Food Importers	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	88219	1965	Premise Match	49m	East
	Manufacturers' Agents	Elite Food Distributing Co. Pty. Ltd., 188 Parramatta Rd., Camperdown	109461	1965	Premise Match	49m	East
	Power Transmission Equip. Mfrs. &/or Dist.	Gardner Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdown	135637	1965	Premise Match	49m	East
	Engineers - Transmission	Gardner, Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdnwn	84634	1965	Premise Match	49m	East
	Belting - Leather, Rubber, Etc. Mfrs. &/or Dists.	Gardner, Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdown	51478	1965	Premise Match	49m	East
	Chain Drive Specialists	Gardner, Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdown	63820	1965	Premise Match	49m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
17	Engineers' Supplies	Gardner, Waern & Co. Pty. Ltd., 101 Pyrmont Bridge Rd., Camperdown	84512	1965	Premise Match	49m	East
	Bearings & Bushes - Mfrs. &/or Dists.	R. & M. Bearings Aust. (Pty.) Ltd, 101 Pyrmont Bridge Rd., Camperdown	50282	1965	Premise Match	49m	East
	Ball & Roller Bearings - Imps. &/or Dists.	R. & M. Bearings Australia (Pty.) Ltd., 101 Pyrmont Bridge Rd., Camperdown	49432	1965	Premise Match	49m	East
	ELECTRIC LIGHTING PLANT MFRS. &/OR DISTS.	Ampilon (A/asia) Pty. Ltd, Ampilon Hse, 101 Pyrmont Bridge Rd, Camperdown	300752	1961	Premise Match	49m	East
	ELECTRIC LIGHT FITTINGS (SHADES, STANDARD BRACKETS, ETC) MFRS. &/OR DISTS.	Bass Products, 188 Parramatta Rd., Camperdown	300634	1961	Premise Match	49m	East
	FLUORESCENT LIGHTING SPEC.	Bass Products, 188 Parramatta Rd., Camperdown	312232	1961	Premise Match	49m	East
	PLASTIC FABRICATORS	Bass Products, 188 Parramatta Rd., Camperdown	359122	1961	Premise Match	49m	East
	TRANSPORT RECEIVING DEPOT	Bramble, W. E. & Sons (Transport) Coy. Ltd., 188 Parramatta Rd., Camperdown	259348	1961	Premise Match	49m	East
	MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS	Oxweld Co., 188 Parramatta Rd., Camperdown	350226	1961	Premise Match	49m	East
	INSTRUMENTS—INDUSTRIAL—MFRS. &/OR DISTRIBUTORS	Sauter Industrial Controls, 188 Parramatta Rd., Camperdown	327345	1961	Premise Match	49m	East
	FACTORY INSTALLATION EXPERTS	Weiss, F., 188 Parramatta Rd., Camperdown	309519	1961	Premise Match	49m	East
	INSTRUMENTS—INDUSTRIAL—MFRS. &/OR DISTRIBUTORS	Weiss, F., 188 Parramatta Rd., Camperdown	327353	1961	Premise Match	49m	East
	PIPES/PIPE FITTINGS MFRS. &/OR DISTRIBUTORS	Weiss, F., 188 Parramatta Rd., Camperdown	358742	1961	Premise Match	49m	East
	CARRIERS & CARTAGE CONTRACTORS	Woolley, J. & T. & Sons Pty. Ltd., 188 Parramatta Rd., Camperdown	285542	1961	Premise Match	49m	East
	TRANSPORT RECEIVING DEPOT	Woolley, J. T. & Sons Pty. Ltd., 188 Parramatta Rd., Camperdown	259362	1961	Premise Match	49m	East
	ELECTRIC LIGHTING FITTINGS (SHADES, STANDARD BRACKETS, Etc.), MFRS. &/OR DISTRIBUTORS	Bass Products, 184 Parramatta Rd., Camperdown	36751	1950	Premise Match	49m	East
	FLUORESCENT LIGHTING SPECIALISTS	Bass Products, 184 Parramatta Rd., Camperdown	46366	1950	Premise Match	49m	East
	WEAVERS	Novelta Textiles Pty. Ltd., 184 Parramatta Rd., Camperdown	112557	1950	Premise Match	49m	East
	WOOLLENS & WORSTED MANUFACTURERS	Novelta Textiles Pty. Ltd., 184 Parramatta Rd., Camperdown	114598	1950	Premise Match	49m	East
	SAND BLASTING EQUIPMENT MANUFACTURERS	Oxweld Co. (The), 188 Parramatta Rd., Camperdown	100230	1950	Premise Match	49m	East
	MOTOR RADIATOR SPECIALISTS & REPAIRERS	Oxweld Co., 188 Parramatta Rd., Camperdown	85706	1950	Premise Match	49m	East
	WELDERS-ELECTRIC &/OR OXY	Oxweld Co., 188 Parramatta Rd., Camperdown	112980	1950	Premise Match	49m	East
18	Plastic Moulders	Bass Plastics, 3/4 Gehrig La., Camperdown. 2050	58015	1991	Premise Match	51m	North East
	Motor Engineers	Camperdown Smash & Auto Repairs, 86 Pyrmont Bridge Rd, Camperdown 2050	53058	1991	Premise Match	51m	North East
	Motor Panel Beaters &/or Spray Painters	Camperdown Smash & Auto Repairs, 86 Pyrmont Bridge Rd, Camperdown 2050	54246	1991	Premise Match	51m	North East
	Motor Racing Car &/or Equipment Mfrs &/or Designers	High-Tech Auto Tools Pty. Ltd, 96 Pyrmont Bridge Rd., Camperdown 2050	54935	1991	Premise Match	51m	North East
	Fireplace &/or Accessory Mfrs &/or Dists	Les Cheminees Phillippe Australia Pty Ltd, 92 Pyrmont Bridge Rd., Camperdown 2050	45801	1991	Premise Match	51m	North East
	Printers Lithographic (Offset)	Master Printers (Assurance) Pty. Ltd., 96A Pyrmont Bridge Rd., Camperdown. 2050	59224	1991	Premise Match	51m	North East

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18	Metal Spinners	P.T. Metal Spinning & Pounding, 4/4 Gehrig La., Camperdown. 2050	51728	1991	Premise Match	51m	North East
	MOTOR ENGINEERS.	Straight-A-Way Auto Repairs, 86 Pyrmont Bridge Rd., Camperdown. 2050	63574	1986	Premise Match	51m	North East
	MOTOR PANEL BEATERS &/OR SPRAY PAINTERS.	Straight-A-Way Auto Repairs, 86 Pyrmont Bridge Rd., Camperdown. 2050	66791	1986	Premise Match	51m	North East
	MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Straight- A-Way Auto Repairs, 86 Pyrmont Bridge Rd., Camperdown. 2050.	58752	1982	Premise Match	51m	North East
	MOTOR PAINTERS.	Straight-A-Way Auto Repairs, 86 Pyrmont Bridge Rd., Camperdown. 2050	51698	1978	Premise Match	51m	North East
	MOTOR PANEL BEATERS	Straight-A-Way Auto Repairs, 86 Pyrmont Bridge Rd., Camperdown. 2050	52388	1978	Premise Match	51m	North East
	MOTOR PAINTERS.	Straight A-Way Auto Repairs., 86 Pyrmont Bridge Rd., Camperdown. 2050	60450	1975	Premise Match	51m	North East
	MOTOR PANEL BEATERS.	Straight-A-Way Auto Repairs., 86 Pyrmont Bridge Rd., Camperdown 2050	61144	1975	Premise Match	51m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Camperdown Service Station, 92 Pyrmont Bridge Rd. CAMPERDOWN	350438	1961	Premise Match	51m	North East
	MOTOR GARAGES & ENGINEERS	Dawson, D., 92 Pyrmont Bridge Rd. CAMPERDOWN	347026	1961	Premise Match	51m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Elliott, L. D., 92 Bridge St. CAMPERDOWN	350559	1961	Premise Match	51m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Transport Workers' Co-op. Ltd., 92 Pyrmont Bridge Rd., CAMPERDOWN	351230	1961	Premise Match	51m	North East
	MOTOR GARAGES &/OR ENGINEERS	Dawson D., 92 Pyrmont Bridge Rd., Camperdown	83671	1950	Premise Match	51m	North East
	MOTOR ACCESSORIES-DEALER	Dawson, D., 92 Pyrmont Bridge Rd., Camperdown	81568	1950	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, Etc.	Dawson, D., 92 Pyrmont Bridge Rd., Camperdown	85917	1950	Premise Match	51m	North East
19	Tyre Dealers &/or Retreaders &/or Vulcanisers	Camperdown Tyre Service, 196 Parramatta Rd Camperdown 2050	65251	1991	Premise Match	51m	East
	Motor Engineers	Camperdown Tyre Service, 196 Parramatta Rd, Camperdown 2050	53059	1991	Premise Match	51m	East
	Recording Studios	Hyland Studio, 196 Parramatta Rd Camperdown 2050	60869	1991	Premise Match	51m	East
	CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Topmaker Clothing Manufacturers. 194 Parramatta Rd., Camperdown. 2050	14884	1978	Premise Match	51m	East
	CLOTHING - SPORTSWEAR MFRS. &/OR W/SALERS.	Topmaker Clothing Manufacturers. 194 Parramatta Rd., Camperdown. 2050	15452	1978	Premise Match	51m	East
	ELECTRICAL REPAIR SERVICES.	West, J., Electrical, 196 Parramatta Rd., Camperdown. 2050	22644	1978	Premise Match	51m	East
	CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Best Sally Pty. Ltd., 194 Parramatta Rd., Camperdown. 2050	16913	1975	Premise Match	51m	East
	CLOTHING-SPORTSWEAR LADIES MFRS.&/OR W/SALERS	Best Sally Pty. Ltd., 194 Parramatta Rd., Camperdown. 2050	17734	1975	Premise Match	51m	East
	CLOTHING-WATERPROOF MFRS.&/OR W/SALERS	Best Sally Pty. Ltd., 194 Parramatta Rd., Camperdown. 2050	18000	1975	Premise Match	51m	East
	CLOTHING MFRS. &/OR W/SALERS. - LADIES FROCKS &/OR SUITS.	Best, Sally Garment Mfrg Co., 196 Parramatta Rd., Camperdown	282864	1970	Premise Match	51m	East
	CLOTHING MFRS. &/OR W/SALERS. - SPORTSWEAR	Best, Sally Garment Mfrg Co., 196 Parramatta Rd., Camperdown	283568	1970	Premise Match	51m	East
	CLOTHING MFRS. &/OR W/SALERS. - WATERPROOF	Best, Sally Garment Mfrg Co., 196 Parramatta Rd., Camperdown	283875	1970	Premise Match	51m	East
	CLOTHING MFRS. &/OR W'SALERS - LADIES' COATS & COSTUMES	Best, Sally Garments Mfrg Co., 194-196 Parramatta Rd., Camperdown	282729	1970	Premise Match	51m	East

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19	CARPET & FLOOR COVERING RETAILERS &/OR SPECIALISTS(C135)	Macquarie Floor Coverings Pty. Ltd., 196 Parramatta Rd., Camperdown	277780	1970	Premise Match	51m	East
	Clothing Mfrs. &/or W'salers - Sportswear	Best, Sally Garments Mfg. Co., 194-196 Parramatta Rd., Camperdown	68268	1965	Premise Match	51m	East
	Clothing Mfrs. &/or W'salers - Waterproof	Best, Sally Garments Mfr. Co., 194-196 Parramatta Rd., Camperdown	68606	1965	Premise Match	51m	East
	Clothing Mfrs. &/or W'salers - Ladies' Coats & Costumes	Best, Sally Garments Mfrg. Co., 194-196 Parramatta Rd., Camperdown	67369	1965	Premise Match	51m	East
	Clothing Mfrs. &/or W'salers - Ladies' Dresses & Gowns	Best, Sally Garments Mfrg. Co., 194-196 Parramatta Rd., Camperdown	67510	1965	Premise Match	51m	East
	Fluorescent Lighting Spec.	Livan Lightings Pty. Ltd., 194 Parramatta Rd., Camperdown	88017	1965	Premise Match	51m	East
	Electric Lighting Specialists - Installers &/or Designers	Liven Lightings Pty. Ltd., 194 Parramatta Rd., Camperdown	77780	1965	Premise Match	51m	East
	Engineers - Electrical	Liven Lightings Pty. Ltd., 194 Parramatta Rd., Camperdown	81506	1965	Premise Match	51m	East
	MOTOR GARAGES & ENGINEERS	Pearce Bros. Pty. Ltd., 194-196 Parramatta Rd. CAMPERDOWN	347882	1961	Premise Match	51m	East
	MOTOR ACCESSORIES/DEALERS	Pearce Bros. Pty. Ltd., 194-196 Parramatta Rd., Camperdown	343712	1961	Premise Match	51m	East
	MOTOR CYLINDER REBORES	Pearce Bros. Pty. Ltd., 194-196 Parramatta Rd., Camperdown	345896	1961	Premise Match	51m	East
	MOTOR ENGINE RECONDITIONERS	Pearce Bros. Pty. Ltd., 194-196 Parramatta Rd., Camperdown	346313	1961	Premise Match	51m	East
	MOTOR SPARE PARTS DEALERS—RETAIL	Pearce Bros. Pty. Ltd., 194-196 Parramatta Rd., Camperdown	351678	1961	Premise Match	51m	East
	MOTOR GARAGES &/OR ENGINEERS	Pearce Bros Pty. Ltd., 190-192 Parramatta Rd., Camperdown	84198	1950	Premise Match	51m	East
	MOTOR ACCESSORIES-DEALER	Pearce Bros. Pty. Ltd., 190-192 Parramatta Rd., Camperdown	81731	1950	Premise Match	51m	East
	MOTOR SPARE PARTS DEALERS-RETAIL	Pearce Bros. Pty. Ltd., 190-192 Parramatta Rd., Camperdown	86756	1950	Premise Match	51m	East
	PLUMBERS' SUPPLIERS	Watson and Crane Pty. Ltd., 194 Parramatta Rd., Camperdown	93413	1950	Premise Match	51m	East
20	Plastic Moulders	Alba Engineering Co. Pty. Ltd., 2 Kilner La., Camperdown. 2050	58000	1991	Premise Match	58m	South
	Die & Press Tool Makers	Alba Plastics Pty. Ltd., 1/2 Kilner La., Camperdown 2050	41391	1991	Premise Match	58m	South
	Plastic Moulders	Alba Plastics Pty. Ltd., 1/2 Kilner La., Camperdown. 2050	58001	1991	Premise Match	58m	South
	Stationers Wholesale	Cobra Wholesale Pty Ltd, 2 Kilner La Camperdown 2050	97203	1991	Premise Match	58m	South
	Stationers Wholesale	Cobra Wholesale Pty Ltd, 2 Kilner Lane Camperdown 2050	63244	1991	Premise Match	58m	South
	Gift Shop Supplies Mfrs &/or W/salers	Cobra Wholesale., 2 Kilner La., Camperdown. 2050	47616	1991	Premise Match	58m	South
	Burglar Alarm &/or Protection Systems Mfrs &/or Dists &/or Installers	Laptonics International Pty. Ltd., 2/2 Kilner La., Camperdown 2050	37585	1991	Premise Match	58m	South
	Security Systems &/or Equipment Mfrs &/or Suppliers	Leptonics International Pty Ltd, 2/2 Kilner La Camperdown 2050	61938	1991	Premise Match	58m	South
21	Motor Car Dealers New &/or Used	City Ford, 141 Parramatta Rd, Camperdown 2050	52409	1991	Premise Match	60m	South East
	Motor Spare Parts Mfrs &/or Imps &/or W/salers	City Ford, 141 Parramatta Rd., Camperdown 2050	55061	1991	Premise Match	60m	South East
	Motor Car Dealers New &/or Used	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown 2050	96157	1991	Premise Match	60m	South East
	Motor Spare Parts Mfrs &/or Imps &/or W/salers	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown 2050	55086	1991	Premise Match	60m	South East
	Motor Engineers	Lanocks Service Department, 11 Australia St, Camperdown 2050	53278	1991	Premise Match	60m	South East
	MOTOR CAR &/OR TRUCK DEALERS-NEW &/OR USED.	Grenville Motors, 143 Parramatta Rd., Camperdown. 2050	62099	1986	Premise Match	60m	South East
	MOTOR CAR &/OR TRUCK DEALERS-NEW &/OR USED.	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown. 2050	62157	1986	Premise Match	60m	South East

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21	MOTOR SPARE PARTS DEALERS RETAIL.	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown. 2050	67368	1986	Premise Match	60m	South East
	MOTOR PANEL BEATERS &/OR SPRAY PAINTERS.	Lanock Motors Pty Ltd., 11 Australia St., Camperdown. 2050	66476	1986	Premise Match	60m	South East
	MOTOR ENGINEERS.	Lanock Motors Pty. Ltd., 11 Australia St., Camperdown. 2050	63435	1986	Premise Match	60m	South East
	MOTOR ACCESSORIES &/OR SPARE PARTS - MFRS. &/OR W/SALERS. (M4780)	Ausfield Pty. Ltd., 3 Australia St., Camperdown. 2050.	54023	1982	Premise Match	60m	South East
	MOTOR SPARE PARTS MFRS. &/OR W/SALERS. (M7860)	Ausfield Pty. Ltd., 3 Australia St., Camperdown. 2050.	59336	1982	Premise Match	60m	South East
	MOTOR ENGINEERS. (M6660)	Lanock Motors Ltd., 11 Australia St., Camperdown. 2050.	55761	1982	Premise Match	60m	South East
	MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Lanock Motors Ltd., 11 Australia St., Camperdown. 2050.	58463	1982	Premise Match	60m	South East
	MOTOR SPARE PARTS DEALERS -RETAIL. (M7840)	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown 2050.	59171	1982	Premise Match	60m	South East
	MOTOR CAR &/OR TRUCK DEALERS - NEW &/OR USED. (M5840)	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown. 2050.	54867	1982	Premise Match	60m	South East
	MOTOR SPARE PARTS MFRS.&/OR W/SALERS.	Ausfield Ltd, 3 Australia St, Camperdown 2050	52878	1978	Premise Match	60m	South East
	MOTOR ACCESSORY MFRS. &/OR WHOLESALERS.	Ausfield Ltd., 3 Australia St., Camperdown. 2050	47566	1978	Premise Match	60m	South East
	MOTOR CAR &/OR TRUCK DEALERS-NEW &/OR USED.	Lanock Motors Ltd., 11 Australia St., Camperdown. 2050	48367	1978	Premise Match	60m	South East
	MOTOR PAINTERS.	Lanock Motors Ltd., 11 Australia St., Camperdown. 2050	51505	1978	Premise Match	60m	South East
	MOTOR PANEL BEATERS	Lanock Motors Ltd., 11 Australia St., Camperdown. 2050	52151	1978	Premise Match	60m	South East
	MOTOR CAR &/OR TRUCK DEALERS-NEW &/OR USED.	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown. 2050	48368	1978	Premise Match	60m	South East
	MOTOR CYCLE SALES &/OR SERVICE.	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown. 2050	48837	1978	Premise Match	60m	South East
	MOTOR ACCESSORIES-W/SALE	Ausfield., 3 Australia St., Camperdown. 2050	56423	1975	Premise Match	60m	South East
	MOTOR SPARE PARTS MFRS. &/OR W/SALERS.	Ausfield., 3 Australia St., Camperdown. 2050	62393	1975	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Lanock Motors Ltd., 11 Australia St., Camperdown.	59142	1975	Premise Match	60m	South East
	MOTOR PAINTERS.	Lanock Motors Ltd., 11 Australia St., Camperdown. 2050	60242	1975	Premise Match	60m	South East
	MOTOR PANEL BEATERS.	Lanock Motors Ltd., 11 Australia St., Camperdown. 2050	60911	1975	Premise Match	60m	South East
	MOTOR CAR &/OR TRUCK DEALERS- NEW &/OR USED.	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown. 2050.	57248	1975	Premise Match	60m	South East
	MOTOR CYCLE SALES &/OR SERVICE	Lanock Motors Ltd., 141 Parramatta Rd., Camperdown. 2050.	57794	1975	Premise Match	60m	South East
	MOTOR SPARE PARTS MFRS. &/OR WHOLESALERS (M732)	Ausfield Limited., 3-11 Australia St., Camperdown	342088	1970	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS(M6S6)	Lanock Motors Sales & Service Pty. Ltd., 11 Australia St. CAMPERDOWN	338142	1970	Premise Match	60m	South East
	MOTOR PAINTERS (M672)	Lanock Motors Sales & Service Pty. Ltd., 11 Australia St., Camperdown	339431	1970	Premise Match	60m	South East
	MOTOR PANEL BEATERS (M680)	Lanock Motors Sales & Service Pty. Ltd., 11 Australia St., Camperdown	340188	1970	Premise Match	60m	South East
	MOTOR SPARE PARTS MFRS. &/OR WHOLESALERS (M732)	MORRIS, M. G. WOLSELEY ARE AUSFIELD LIMITED., 3-11 AUSTRALIA St., CAMPERDOWN 2050	342185	1970	Premise Match	60m	South East
	Motor Spare Parts Mfrs. &/or Wholesalers	Ausfield Limited, 3-11 Australia St., Camperdown	126710	1965	Premise Match	60m	South East
	Motor Garages & Engineers	Lannock Motors Sales & Service Pty. Ltd., 11 Australia St. Camperdown	122350	1965	Premise Match	60m	South East
	Motor Painters	Lanock Motors Sales & Service Pty. Ltd., 11 Australia St. Camperdown	124028	1965	Premise Match	60m	South East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
21	Motor Panel Beaters	Lanock Motors Sores & Service Pty. Ltd., 11 Australia St., Camperdown	124783	1965	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Grenville Motors Ltd., 11 Australia St., Camperdown	347281	1961	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Lanock Motors Ltd., 11 Australia St., Camperdown	347544	1961	Premise Match	60m	South East
	MOTOR ACCESSORIES/DEALERS	Larke Hoskins Pty. Ltd., 143 Parramatta Rd., Camperdown	343642	1961	Premise Match	60m	South East
	MOTOR ACCESSORIES—W'SALE	Larke Hoskins Pty. Ltd., 143 Parramatta Rd., Camperdown	343992	1961	Premise Match	60m	South East
	MOTOR CAR/TRUCK DEALERS—NEW/USED	Larke Hoskins Pty. Ltd., 143 Parramatta Rd., Camperdown	345159	1961	Premise Match	60m	South East
	MOTOR CARBURETTOR/TUNING SPECIALISTS	Larke Hoskins Pty. Ltd., 143 Parramatta Rd., Camperdown	345598	1961	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Larke, Hoskins Pty. Ltd., 143 Parramatta Rd. CAMPERDOWN	347550	1961	Premise Match	60m	South East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Larke, Hoskins Pty. Ltd., 143 Parramatta Rd. CAMPERDOWN	350776	1961	Premise Match	60m	South East
	MOTOR CYLINDER REBORES	Larke, Hoskins Pty. Ltd., 143 Parramatta Rd., Camperdown	345890	1961	Premise Match	60m	South East
	MOTOR ENGINE RECONDITIONERS	Larke, Hoskins Pty. Ltd., 143 Parramatta Rd., Camperdown	346275	1961	Premise Match	60m	South East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Larke, Hoskins Services Pty. Ltd., 12-16 Denison St. CAMPERDOWN	350777	1961	Premise Match	60m	South East
	MOTOR CAR & TRUCK DEALERS-USED	Larke, Hoskins and Co. Ltd., 207 William St., 143 Parramatta Rd., Camperdown	82440	1950	Premise Match	60m	South East
	ENGINEERS-DIESEL	Larke, Neave and Carter Ltd., 11 Australia St., Camperdown	40182	1950	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS	Larke, Neave and Carter Ltd., 11 Australia St., Camperdown	83983	1950	Premise Match	60m	South East
	DIESEL ENGINE DISTRIBUTORS	Larke, Neave and Carter Ltd., 141 Parramatta Rd., Camperdown	32834	1950	Premise Match	60m	South East
	MOTOR SERVICE STATIONS-PETROL, Etc.	Larke, Neave and Carter Ltd., 141 Parramatta Rd., Camperdown	86128	1950	Premise Match	60m	South East
	STEEL FURNITURE MANUFACTURERS	Neave Productions Ltd., 133 Parramatta Rd., Camperdown	105193	1950	Premise Match	60m	South East
	SHEET METAL WORKERS	Neave Productions Ltd., Parramatta Rd., Camperdown	101784	1950	Premise Match	60m	South East
	COACH & HORSE DRAWN VEHICLE BUILDERS	Smith and Bassett Ltd., 9 Australia St., Camperdown	25494	1950	Premise Match	60m	South East
22	Screen Printers	Althouse & Geiger Pty. Ltd, 190 Parramatta Rd., Camperdown. 2050	61687	1991	Premise Match	63m	East
	DISPLAY FITTINGS & STANDS MFRS. &/OR DISTS. &/OR SUPPLIERS.	Althouse & Geiger Pty Ltd., 190 Parramatta Rd., Camperdown. 2050	24270	1986	Premise Match	63m	East
	PLASTIC SIGNS &/OR LETTERS MFRS. &/OR DISTS.	Althouse & Geiger Pty, Ltd., 190 Parramatta Rd., Camperdown. 2050	74828	1986	Premise Match	63m	East
	ELECTRIC SIGN MFRS. &/OR INSTALLERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	26699	1986	Premise Match	63m	East
	FLAG, PENNANT & BANNER MFRS. &/OR W/SALERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	33401	1986	Premise Match	63m	East
	PAINTERS, PAPERHANGERS &/OR DECORATORS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	71826	1986	Premise Match	63m	East
	SCREEN PROCESS PRINTERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	85163	1986	Premise Match	63m	East
	SIGN MFRS. &/OR DISTS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	86674	1986	Premise Match	63m	East
	SIGNWRITERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	86800	1986	Premise Match	63m	East
	PAINT - PLASTIC - MFRS. &/OR DISTS.	Universal Paint Manufacturers Co. Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	71668	1986	Premise Match	63m	East
	PAINT, ENAMEL, VARNISH, STAIN MFRS. &/OR DISTS.	Universal Paint Manufacturers Co. Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	71540	1986	Premise Match	63m	East

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22	SCREEN PROCESS PRINTERS.(S1650)	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown 2050.	73711	1982	Premise Match	63m	East
	DISPLAY FITTINGS & STANDS MFRS. &/OR DISTS. &/OR SUPPLIERS. (D4260)	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	21684	1982	Premise Match	63m	East
	ELECTRIC SIGN MFRS. &/OR INSTALLERS. (E2670)	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	25137	1982	Premise Match	63m	East
	PAINTERS, PAPERHANGERS &/OR DECORATORS. (P0900)	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	62650	1982	Premise Match	63m	East
	PLASTIC SIGNS &/OR LETTERS MFRS. &/OR DISTS. (P6400)	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	65038	1982	Premise Match	63m	East
	SIGN MFRS. (S3360)	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	74816	1982	Premise Match	63m	East
	SIGNWRITERS. (S3465)	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	74896	1982	Premise Match	63m	East
	FLAG MAKERS. (F3300)	Althouse & Gelger Pty. Ltd., 190 Parramatta Rd., Camperdown.2050.	31165	1982	Premise Match	63m	East
	PAINT -PLASTIC- MFRS. &/OR DISTS, (P0640)	Universal Paint Manufacturers Co. Pty, Ltd., 190 Parramatta Rd., Camperdown. 2050	62510	1982	Premise Match	63m	East
	PAINT, ENAMEL, VARNISH, STAIN MFRS.&/OR DISTS. (P0360)	Universal Paint Manufacturers Co. Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	62416	1982	Premise Match	63m	East
	DISPLAY FITTINGS & STANDS MFRS. &/OR DISTS. &/OR SUPPLIERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	19154	1978	Premise Match	63m	East
	ELECTRIC SIGN MFRS. &/OR INSTALLERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	22111	1978	Premise Match	63m	East
	FLAG MAKERS	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	28226	1978	Premise Match	63m	East
	PAINTERS, PAPERHANGERS &/OR DECORATORS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	55730	1978	Premise Match	63m	East
	PLASTIC SIGNS &/OR LETTERS MFRS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	58025	1978	Premise Match	63m	East
	SCREEN PROCESS PRINTERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	65223	1978	Premise Match	63m	East
	SIGN MFRS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	66243	1978	Premise Match	63m	East
	SIGNWRITERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	66319	1978	Premise Match	63m	East
	PAINT-PLASTIC MFRS.	Universal Paint Manufacturers Co. Pty. Ltd., 190 Parramatta Rd., Camperdown 2050	55571	1978	Premise Match	63m	East
	PAINT, ENAMEL, VARNISH/STAIN MFRS. &/OR DISTS.	Universal Paint Manufacturers Co. Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	55438	1978	Premise Match	63m	East
	PAINTERS, PAPERHANGERS &/OR DECORATORS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown 2050	65675	1975	Premise Match	63m	East
	SCREEN PROCESS PRINTERS	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown.	76194	1975	Premise Match	63m	East
	DISPLAY FITTINGS & STANDS MFRS. &/OR DISTS. &/OR SUPPLIERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	22036	1975	Premise Match	63m	East
	PLASTIC SIGNS &/OR LETTERS MFRS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	68283	1975	Premise Match	63m	East
	SIGN MFRS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	77528	1975	Premise Match	63m	East
	SIGNWRITERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	77604	1975	Premise Match	63m	East
	ELECTRIC SIGN MFRS &/OR INSTALLERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	25561	1975	Premise Match	63m	East
	FLAG MAKERS.	Althouse & Geiger Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050.	32760	1975	Premise Match	63m	East
	PAINT, ENAMEL, VARNISH/STAIN MFRS. &/OR DISTS.	Universal Paint Manufacturers Co. Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	65337	1975	Premise Match	63m	East

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22	PAINT-PLASTIC MFRS.	Universal Paint Manufacturers Co. Pty. Ltd., 190 Parramatta Rd., Camperdown. 2050	65458	1975	Premise Match	63m	East
	WELDERS-ELECTRIC &/OR OXY	Oxweld Pty. Limited, 190-192 Parramatta Rd., Camperdown	373868	1970	Premise Match	63m	East
	STEEL FABRICATORS (S673)	Oxweld Pty. Ltd., 190 Parramatta Rd., Camperdown	365327	1970	Premise Match	63m	East
	SAND BLASTING EQUIP. MFRS. (S059)	Oxweld Pty. Ltd., 190-192 Parramatta Rd., Camperdown	358556	1970	Premise Match	63m	East
	ABRASIVE MANUFACTURERS	Oxweld Pty. Limited, 190-192 Parramatta Rd., Camperdown	43338	1965	Premise Match	63m	East
	Welders - Electric &/or Oxy	Oxweld Pty. Limited, 190-192 Parramatta Rd., Camperdown	156704	1965	Premise Match	63m	East
	Engineers - Fabricating	Oxweld Pty. Limited., 190-192 Parramatta Rd., Camperdown	81838	1965	Premise Match	63m	East
	Sand Blasting Equipment Manufacturers	Oxweld Pty. Ltd., 190-192 Parramatta Rd., Camperdown	141796	1965	Premise Match	63m	East
	SAND BLASTING EQUIP. MFRS.	Oxweld Pty Ltd 190-192 Parramatta Rd., Camperdown	247364	1961	Premise Match	63m	East
	ABRASIVE MANUFACTURERS	Oxweld Pty. Limited, 190-192 Parramatta Rd., Camperdown	264539	1961	Premise Match	63m	East
	ENGINEERS-FABRICATING	Oxweld Pty. Limited, 190-192 Parramatta Rd., Camperdown	305857	1961	Premise Match	63m	East
	WELDERS-ELECTRIC &/OR OXY	Oxweld Pty. Limited, 190-192 Parramatta Rd., Camperdown	262346	1961	Premise Match	63m	East
	SAND BLASTING EQUIP. MFRS.	Oxweld Pty. Ltd., 190-192 Parramatta Rd., Camperdown	247365	1961	Premise Match	63m	East
23	CRANES-MOBILE-PROPRIETORS &/OR HIRERS.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	16680	1978	Premise Match	75m	North East
	CUSTOMS AGENTS.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	16895	1978	Premise Match	75m	North East
	FREIGHT FORWARDERS.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	29928	1978	Premise Match	75m	North East
	HAULAGE CONTRACTORS.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	35146	1978	Premise Match	75m	North East
	ROAD TRANSPORT SERVICES- NSW	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	63758	1978	Premise Match	75m	North East
	BOND &/OR FREE STORES.	McRae. H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	6645	1978	Premise Match	75m	North East
	CARRIERS &/OR CARTAGE CONTRACTORS - MASTER.	McRae. H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	12019	1978	Premise Match	75m	North East
	PARCEL DELIVERY SPECIALISTS.	McRae. H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	56142	1978	Premise Match	75m	North East
	HAULAGE CONTRACTORS.	McRae H & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	41570	1975	Premise Match	75m	North East
	ROAD TRANSPORT SERVICES-NSW.	McRae, H. & D. Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	74475	1975	Premise Match	75m	North East
	CARRIERS &/OR CARTAGE CONTRACTORS - MASTER.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd, Camperdown 2050	13876	1975	Premise Match	75m	North East
	BOND &/OR FREE STORES.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	7115	1975	Premise Match	75m	North East
	CUSTOMS AGENTS.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	19527	1975	Premise Match	75m	North East
	PARCEL DELIVERY SPECIALISTS.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	66126	1975	Premise Match	75m	North East

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23	SHIPPING &/OR FORWARDING AGENTS.	McRae, H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	77169	1975	Premise Match	75m	North East
	CRANES-MOBILE-PROPRIETORS &/OR HIRERS.	McRae. H. & D., Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown. 2050	19314	1975	Premise Match	75m	North East
	CARRIERS & CARTAGE CONTRACTORS-MASTER (C147)	McRae, H & D Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown	278519	1970	Premise Match	75m	North East
	CARRIERS & CARTAGE CONTRACTORS (C150)	McRae, H & D Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown, 2050	278233	1970	Premise Match	75m	North East
	BOND & FREE STORES (B525)	McRae, H & D Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown.	268127	1970	Premise Match	75m	North East
	CRANES.-MOBILE-PROPRIETORS &/OR HIRERS (C737)	McRae, H. & D. Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown	286324	1970	Premise Match	75m	North East
	CUSTOMS AGENTS	McRae, H. & D. Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown	286547	1970	Premise Match	75m	North East
	HAULAGE CONTRACTORS (H323)	McRae, H. & D. Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown	315661	1970	Premise Match	75m	North East
	PARCEL DELIVERY SPECIALISTS (P166)	McRae, H. & D. Carriers Pty. Ltd., 96 Pyrmont Bridge Rd., Camperdown	347284	1970	Premise Match	75m	North East
	ROAD TRANSPORT SERVICES-N.S.W.(R385)	McRae, H. & D. Carriers. Pty, Ltd., 96 Pyrmont Bridge Rd., Camperdown	357636	1970	Premise Match	75m	North East
	Carriers & Cartage Contractors	McRae, H. & D., 96 Pyrmont Bridge Rd., Camperdown	63178	1965	Premise Match	75m	North East
	Cranes - Mobile - Proprietors & Hirers	McRae, H. & D., 96 Pyrmont Bridge Rd., Camperdown	71092	1965	Premise Match	75m	North East
	Road Transport Services - Interstate	McRae, H. & D., 96 Pyrmont Bridge Rd., Camperdown	140862	1965	Premise Match	75m	North East
	Road Transport Services - N.S.W.	McRae, H. & D., 96 Pyrmont Bridge Rd., Camperdown	140988	1965	Premise Match	75m	North East
	MOTOR GARAGES & ENGINEERS	McRae, H. & D., 96 Pyrmont Bridge Rd. CAMPERDOWN	347693	1961	Premise Match	75m	North East
	MOTOR ELECTRICIANS	McRae, H. and D., 96 Pyrmont Bridge Rd., Camperdown	346105	1961	Premise Match	75m	North East
	MOTOR PANEL BEATERS	McRae, H. and D., 96 Pyrmont Bridge Rd., Camperdown	349775	1961	Premise Match	75m	North East
	MOTOR ELECTRICIANS	McRae, H. and D., 96 Pyrmont Bridge Rd., Camperdown	83162	1950	Premise Match	75m	North East
	MOTOR GARAGES &/OR ENGINEERS	McRae, H. and D., 96 Pyrmont Bridge Rd., Camperdown	84076	1950	Premise Match	75m	North East
	MOTOR PANEL BEATERS	McRae, H. and D., 96 Pyrmont Bridge Rd., Camperdown	85395	1950	Premise Match	75m	North East
	MOTOR RADIATOR SPECIALISTS & REPAIRERS	McRae, H. and D., 96 Pyrmont Bridge Rd., Camperdown	85702	1950	Premise Match	75m	North East
24	FURNITURE &/OR FURNISHINGS-RETAIL.	Cooper, G L & Son Pty Ltd., 193 Parramatta Rd., Camperdown 2050	37122	1986	Premise Match	78m	South West
	DISPOSAL STORES.	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown. 2050	24385	1986	Premise Match	78m	South West
	SECONDHAND DEALERS.	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown. 2050	85382	1986	Premise Match	78m	South West
	DISPOSAL STORES. (D4450)	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown. 2050.	21784	1982	Premise Match	78m	South West
	SECONDHAND DEALERS. (S1815)	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown. 2050.	73880	1982	Premise Match	78m	South West
	FURNITURE &/OR FURNISHINGS-RETAIL. (F7625)	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown.2050.	34641	1982	Premise Match	78m	South West
	DISPOSAL STORES.	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown. 2050	19231	1978	Premise Match	78m	South West
	SECOND-HAND DEALERS.	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown. 2050	65370	1978	Premise Match	78m	South West
	FURNITURE-HOUSEHOLD RETAIL	Cooper. G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown. 2050	31735	1978	Premise Match	78m	South West

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24	DISPOSAL STORES.	Cooper, G.L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown. 2050	22146	1975	Premise Match	78m	South West
	DISPOSAL STORES (D380)	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	289869	1970	Premise Match	78m	South West
	HARDWARE DEALERS/IRONMONGERS (H230)	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., CAMPERDOWN	314982	1970	Premise Match	78m	South West
	SECOND-HAND DEALERS (S179)	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	360124	1970	Premise Match	78m	South West
	CAMPING EQUIPMENT MFRS. (C051)	Cooper, G.L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	277054	1970	Premise Match	78m	South West
	CANVAS GOODS MFRS. &/OR W/SALERS	Cooper, G.L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	277179	1970	Premise Match	78m	South West
	STEEL SHELVING/LOCKER MFRS- (S715)	Cooper, G.L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	365685	1970	Premise Match	78m	South West
	Hardware Dealers &/or Ironmongers	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd. Camperdown	99104	1965	Premise Match	78m	South West
	Canvas Goods Mfrs. &/or Wholesalers	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	61888	1965	Premise Match	78m	South West
	Disposal Stores	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	74515	1965	Premise Match	78m	South West
	Camping Equipment Mfrs.	Cooper, G. L. & Sons Pty. Ltd., 193 Parramatta Rd., Camperdown	61720	1965	Premise Match	78m	South West
	HARDWARE DEALERS/IRONMONGERS	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd. CAMPERDOWN	323139	1961	Premise Match	78m	South West
	CANVAS GOODS MFRS. &/OR W'SALERS	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	283648	1961	Premise Match	78m	South West
	DEMOLITION CONTRACTORS	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	295451	1961	Premise Match	78m	South West
	DISPOSAL STORES	Cooper, G. L. & Son Pty. Ltd., 193 Parramatta Rd., Camperdown	297271	1961	Premise Match	78m	South West
	DISPOSAL STORES	Cooper, G. L. and Son Pty. Ltd. 193 Parramatta Rd., Camperdown	33109	1950	Premise Match	78m	South West
	BUILDING DEMOLISHERS	Cooper, G. L. and Son Pty. Ltd., 193 Parramatta Rd., Camperdown	11956	1950	Premise Match	78m	South West
	DEMOLITION CONTRACTORS	Cooper, G. L. and Son Pty. Ltd., 193 Parramatta Rd., Camperdown	31443	1950	Premise Match	78m	South West
	HARDWARE DEALERS &/OR IRONMONGERS	Cooper, G. L. and Son Pty. Ltd., 193 Parramatta Rd., Camperdown	60949	1950	Premise Match	78m	South West
	SECONDHAND DEALERS	Cooper, G. L. and Son Pty. Ltd., 193 Parramatta Rd., Camperdown	101115	1950	Premise Match	78m	South West
25	Motor Brake Specialists	Camperdown Brake & Steering, 139 Parramatta Rd., Camperdown 2050	52246	1991	Premise Match	87m	South East
	Motor Steering Specialists	Camperdown Brake & Steering, 139 Parramatta Rd., Camperdown 2050	55154	1991	Premise Match	87m	South East
	MOTOR GEAR &/OR TRANSMISSION SPECIALISTS.	Maserati Motors., 2 Australia Street, Camperdown 2050	65838	1986	Premise Match	87m	South East
	SANDWICH/LUNCHEON SHOPS (S065)	Total Sandwich Shop, 139 Parramatta Rd., Camperdown	358978	1970	Premise Match	87m	South East
	SANDWICH/LUNCHEON SHOPS (S065)	Total Sandwich Shop, 139 Parramatta Rd., Camperdown	358977	1970	Premise Match	87m	South East
	Sandwich & Luncheon Shops	"Total" Sandwich Shop., 139 Parramatta Rd., Camperdown	142229	1965	Premise Match	87m	South East
	Motor Service Stations - Petrol, Oil, Etc.	Total Service Station, 137 Parramatta Rd. Camperdown	125540	1965	Premise Match	87m	South East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Broadway Service Station, 137 Parramatta Rd. CAMPERDOWN	350407	1961	Premise Match	87m	South East
	SANDWICH/LUNCHEON SHOPS	Heath, G., 139 Parramatta Rd., Camperdown	247513	1961	Premise Match	87m	South East
	ELECTRIC LIGHT GLOBE & ELEMENT MFRS. &/OR DISTS.	Nettiefold, T. S. & Sons Pty. Ltd, 137 Parramatta Rd, Camperdown	300740	1961	Premise Match	87m	South East
	ELECTRIC LIGHT GLOBE & ELEMENT MFRS. &/OR DISTS.	Nettlefold, T. S. & Sons Pty. Ltd., 137 Parramatta Rd., Camperdown	300741	1961	Premise Match	87m	South East
	MOTOR GARAGES & ENGINEERS	Total Service Station, 137 Parramatta Rd. CAMPERDOWN	348300	1961	Premise Match	87m	South East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
25	MOTOR SERVICE STATIONS-PETROL, Etc.	Broadway Service Station, 137 Parramatta Rd., Camperdown	85825	1950	Premise Match	87m	South East
	DELICATESSENS & SMALLGOODS DEALERS	Faulkner, A. S., 139 Parramatta Rd., Camperdown	30472	1950	Premise Match	87m	South East
26	Computer Sales &/or Services	Celcom Pty Limited, 23 Nelson St, Annandale 2038	40172	1991	Premise Match	87m	North West
	MERCHANTS-GENERAL.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	58611	1986	Premise Match	87m	North West
	PAINT – INDUSTRIAL PROTECTIVE COATING.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	71602	1986	Premise Match	87m	North West
	PAINT - PLASTIC - MFRS. &/OR DISTS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	71664	1986	Premise Match	87m	North West
	PAINT, ENAMEL, VARNISH, STAIN MFRS. &/OR DISTS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	71526	1986	Premise Match	87m	North West
	PAINT, VARNISH, OILS &/OR COLOUR MERCHANTS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	71797	1986	Premise Match	87m	North West
	PAINTERS SUPPLIES &/OR REQUISITES.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	71935	1986	Premise Match	87m	North West
	PAINTERS SUPPLIES &/OR REQUISITES. (P0960)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	62740	1982	Premise Match	87m	North West
	PAINT - INDUSTRIAL PROTECTIVECOATING. (P0400)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038.	62455	1982	Premise Match	87m	North West
	PAINT -PLASTIC- MFRS. &/OR DISTS, (P0640)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038.	62504	1982	Premise Match	87m	North West
	PAINT, ENAMEL, VARNISH, STAIN MFRS.&/OR DISTS. (P0360)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038.	62403	1982	Premise Match	87m	North West
	PAINT, VARNISH, OILS &/OR COLOUR MERCHANTS. (P0800)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038.	62622	1982	Premise Match	87m	North West
	MERCHANTS - GENERAL (M2160)	Perry. E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038.	51622	1982	Premise Match	87m	North West
	PAINT, ENAMEL, VARNISH/STAIN MFRS. &/OR DISTS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	55428	1978	Premise Match	87m	North West
	PAINT-INDUSTRIAL PROTECTIVE COATING.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	55479	1978	Premise Match	87m	North West
	PAINT-MARINE-MFRS. &/OR DISTS	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	55548	1978	Premise Match	87m	North West
	PAINT-PLASTIC MFRS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	55567	1978	Premise Match	87m	North West
	MERCHANTS-GENERAL.	Perry. E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	45341	1978	Premise Match	87m	North West
	PAINT VARNISH OILS &/OR COLOUR MERCHANTS.	Perry. E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	55686	1978	Premise Match	87m	North West
	PAINTERS SUPPLIES &/OR REQUISITES.	Perry. E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	55832	1978	Premise Match	87m	North West
	PAINT, ENAMEL, VARNISH/STAIN MFRS. &/OR DISTS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	65328	1975	Premise Match	87m	North West
	PAINT-PLASTIC MFRS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	65453	1975	Premise Match	87m	North West
	PAINT-MARINE-MFRS. &/OR DISTS.	Perry. E, A. Pty. Ltd., 23 Nelson St., Annandale. 2038	65433	1975	Premise Match	87m	North West
	MERCHANTS-GENERAL	Perry. E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	52643	1975	Premise Match	87m	North West
	PAINTERS SUPPLIES &/OR REQUISITES.	Perry. E. A. Pty. Ltd., 23 Nelson St., Annandale. 2038	65798	1975	Premise Match	87m	North West
	MERCHANTS-GENERAL (M240)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	329591	1970	Premise Match	87m	North West
	PAINTERS' SUPPLIES/REQUISITES(P100)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	346565	1970	Premise Match	87m	North West
	PAINT-MARINE-MFRS. &/OR DISTRIBUTORS (P049)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	346876	1970	Premise Match	87m	North West
	PAINT-PLASTIC-MFRS. (P050)	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	346903	1970	Premise Match	87m	North West

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26	PAINT,ENAMEL,VARNISH/STAIN MANUFACTURERS (P024)	Perry. E. A. Pty. Ltd., 23 Nelson St., Annandale	345992	1970	Premise Match	87m	North West
	Merchants/Importers	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	113924	1965	Premise Match	87m	North West
	Paint - Plastic - Manufacturers	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	130614	1965	Premise Match	87m	North West
	Paint, Enamel, Varnish/Stain Manufacturers	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	130486	1965	Premise Match	87m	North West
	Painter' Supplies/Requisites	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	131404	1965	Premise Match	87m	North West
	PAINTERS' SUPPLIES/REQUISITES	Parry, E. A. Pty. Ltd., 23 Nelson St., Annandale	356563	1961	Premise Match	87m	North West
	PAINT, ENAMEL, VARNISH/STAIN MANUFACTURERS	Perry E A Pty Ltd 23 Nelson St., Annandale	355477	1961	Premise Match	87m	North West
	FURNITURE/CABINET MAKERS' HARDWARE MFRS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	317210	1961	Premise Match	87m	North West
	FURNITURE/CABINET MAKERS' SUPPLIES	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	317245	1961	Premise Match	87m	North West
	MERCHANTS/IMPORTERS	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	337646	1961	Premise Match	87m	North West
	PAINT, ENAMEL, VARNISH/STAIN MANUFACTURERS	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	355478	1961	Premise Match	87m	North West
	PAINT, KALSOMINE & WATER PAINT MFRS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	355510	1961	Premise Match	87m	North West
	PAINT—PLASTIC—MFRS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	356655	1961	Premise Match	87m	North West
	UPHOLSTERERS' SUPPLIES	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	260594	1961	Premise Match	87m	North West
	PAINT, VARNISH & STAIN MANUFACTURERS	Perry, E. A. (Arc White Manufacturer), 23 Nelson St., Annandale	90656	1950	Premise Match	87m	North West
	FIBRE & FIBRE GOODS MANUFACTURERS S/OR DISTRIBUTORS	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	43831	1950	Premise Match	87m	North West
	MERCHANTS & IMPORTERS	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	75487	1950	Premise Match	87m	North West
	PAINT-KALSOMINE & WATER MFRS.	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	90925	1950	Premise Match	87m	North West
	UPHOLSTERERS' SUPPLIES	Perry, E. A. Pty. Ltd., 23 Nelson St., Annandale	111332	1950	Premise Match	87m	North West
27	Medical Equipment &/or Repairs	California Surgical Supplies, 8/21 Chester St., Camperdown 2050	51492	1991	Premise Match	88m	North
	Hospital Equipment &/or Supplies Mfrs &/or Imps &/or Dists	California Surgical Supplies, 8/21 Chester St., Camperdown. 2050	48606	1991	Premise Match	88m	North
	Dispensing Machine Mfrs &/or Dists	Carlton Trade Quality Control, 2/21 Chester St, Camperdown 2050	41468	1991	Premise Match	88m	North
	Hotel &/or Motel Equipment &/or Supplies	Carlton Trade Quality Control., 2/21 Chester St., Camperdown. 2050	48686	1991	Premise Match	88m	North
	Shop &/or Office Fitters	Fabmar Interior Design Services Pty Ltd, 3/21 Chester St Camperdown 2050	62341	1991	Premise Match	88m	North
	Hairdressers &/or Beauty Salon Supplies	Hair Health & Beauty Pty. Ltd., 3/21 Chester St., Camperdown. 2050	48102	1991	Premise Match	88m	North
	Importers	Hung Hing Trading Co. Pty. Ltd., 7/21 Chester St., Camperdown 2050	48971	1991	Premise Match	88m	North
	Hairdressers &/or Beauty Salon Supplies	Joumia Australia., 9/21 Chester St., Camperdown. 2050	48106	1991	Premise Match	88m	North
	Printers Supplies & Services	Lasercharge Pty. Ltd. 12/21 Chester St Camperdown 2050	59438	1991	Premise Match	88m	North
	Fire Fighting Systems &/or Appliance Mfrs &/or Installers	M & H Plumbing Pty Ltd, 5/21 Chester St., Camperdown 2050	45771	1991	Premise Match	88m	North
	Plumbers &/or Gasfitters	M & H Plumbing Pty. Ltd., 5/21 Chester St., Camperdown. 2050	58171	1991	Premise Match	88m	North
	Publishers	Reckon Software Pty. Ltd., 6/21 Chester St, Camperdown 2050	59889	1991	Premise Match	88m	North

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27	Quilt &/or Bedspread Mfrs &/or W/salers	Sleepmaster Pty, Ltd., 11/21 Chester St., Camperdown. 2050	60047	1991	Premise Match	88m	North
	Clothing Mfrs &/or W/salers General	White Cloud Trading, 1/21 Chester St. Camperdown 2050	39304	1991	Premise Match	88m	North
	Printers Supplies & Services	Wright Technologies Pty. Ltd 4/21 Chester St Camperdown 2050	59467	1991	Premise Match	88m	North
	MOTOR PANEL BEATERS &/OR SPRAY PAINTERS.	T.J.S. Autos, 21 Chester St., Camperdown. 2050	66817	1986	Premise Match	88m	North
	Motor Body Builders	Hastings Deering Service Ltd., Chester St., Camperdown	119974	1965	Premise Match	88m	North
	Motor Body Repairs/Converters	Hastings, Deering Service Limited, Chester St., Camperdown	120156	1965	Premise Match	88m	North
	MOTOR BODY REPAIRS/CONVERTERS	Hastings, Deering Service Limited, Chester St., Camperdown	344365	1961	Premise Match	88m	North
28	BATHROOM EQUIPMENT MFRS. &/OR DISTS.	European Bathrooms, 93 Pyrmont Bridge Rd., Camperdown. 2050	5397	1986	Premise Match	88m	East
	BATH, BASIN &/OR SINK MFRS. &/OR DISTS.	Fab-Glass N.S.W., 93 Pyrmont Bridge Rd., Camperdown. 2050	5453	1986	Premise Match	88m	East
	BATHROOM EQUIPMENT MFRS. &/OR DISTS.	Ideal Standard, 93 Pyrmont Bridge Rd., Camperdown. 2050	5408	1986	Premise Match	88m	East
	BATHROOM EQUIPMENT MFRS. &/OR DISTS.	Universal Bathroom Agencies, 93 Pyrmont Bridge Rd., Camperdown. 2050	5441	1986	Premise Match	88m	East
	PLUMBERS SUPPLIES.	Universal Bathroom Agencies, 93 Pyrmont Bridge Rd., Camperdown. 2050	75214	1986	Premise Match	88m	East
	SPA BATHS &/OR POOLS &/OR EQUIPMENT MFRS. &/OR DISTS.	Waterjet Pty. Ltd., 93 Pyrmont Bridge Rd., Camperdown. 2050	87302	1986	Premise Match	88m	East
	SWIMMING POOL &/OR EQUIPMENT MFRS. &/OR DISTS.	Waterjet Pty. Ltd., 93 Pyrmont Bridge Rd., Camperdown. 2050.	90189	1986	Premise Match	88m	East
	ELECTROPLATERS.	Burrows Plating Works Pty. Ltd. 93-99 Pyrmont Bridge Rd., Camperdown. 2050	26962	1975	Premise Match	88m	East
	ELECTROPLATERS.	Burrows Plating Works Pty. Ltd., 93 Pyrmont Bridge Rd. Camperdown. 2050.	26994	1975	Premise Match	88m	East
	RUSTPROOFING SPECIALISTS.	Burrows Plating Works Pty. Ltd., 93 Pyrmont Bridge Rd., Camperdown. 2050	75057	1975	Premise Match	88m	East
	RUSTPROOFING SPECIALISTS (R575)	Burrow's Plating Works Pty. Ltd., 93-95 Pyrmont Bridge Rd., Camperdown	358333	1970	Premise Match	88m	East
	ELECTROPLATERS (E370)	Burrows Plating Works Pty. Ltd., 93-99 Pyrmont Bridge Rd., Camperdown	296581	1970	Premise Match	88m	East
	ANODISERS (A385)	Burrows Plating Works Pty. Ltd., 93-99 Pyrmont Bridge Rd., Camperdown, 2050	261645	1970	Premise Match	88m	East
	Rustproofing Specialists	Burrow's Plating Works Pty. Ltd., 93-95 Pyrmont Bridge Rd., Camperdown	141614	1965	Premise Match	88m	East
	Anodisers	Burrows Plating Works Pty. Ltd., 93-95 Pyrmont Bridge Rd., Camperdown	46375	1965	Premise Match	88m	East
	Electroplaters	Burrows Plating Works Pty. Ltd., 93-95 Pyrmont Bridge Rd., Camperdown	80157	1965	Premise Match	88m	East
	RUSTPROOFING SPECIALISTS	Burrow's Plating Works Pty. Ltd., 93-95 Pyrmont Bridge Rd., Camperdown	247163	1961	Premise Match	88m	East
	ANODISERS	Burrows Plating Works Pty. Ltd., 93-95 Pyrmont Bridge Rd., Camperdown	267912	1961	Premise Match	88m	East
	ELECTROPLATERS	Burrows Plating Works Pty. Ltd., 93-95 Pyrmont Bridge Rd., Camperdown	303850	1961	Premise Match	88m	East
	ANODISERS	Burrows Plating Works, 93 Bridge St., Camperdown	1786	1950	Premise Match	88m	East
29	GASKET MANUFACTURERS	Robertson, C. H., 186 Parramatta Rd., Camperdown	54144	1950	Premise Match	88m	East
	METAL PRESSERS & STAMPERS	Robertson, C. H., 186 Parramatta Rd., Camperdown	76033	1950	Premise Match	88m	East
30	Sheet Metal Workers	Planet Ventilation Pty Ltd, 3 Parramatta Rd Annandale 2038	62139	1991	Premise Match	89m	West

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30	SHEET METAL WORKERS.	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale. 2038	86119	1986	Premise Match	89m	West
	SHEET METAL WORKERS. (S2595)	Planet Ventilation Pty Ltd., 3 Parramatta Rd., Annandale. 2038.	74392	1982	Premise Match	89m	West
	ENGINEERS-HOTWATER HEATING &/OR VENTILATING. (E7230)	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale. 2038.	28562	1982	Premise Match	89m	West
	ENGINEERS-HOT WATER HEATING &/OR VENTILATING.	Planet Ventilation Pty. Ltd. 3 Parramatta Rd., Annandale. 2038	25626	1978	Premise Match	89m	West
	STEEL FABRICATORS.	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale. 2038	68168	1978	Premise Match	89m	West
	WELDERS-ELECTRIC &/OR OXY.	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale. 2038	74307	1978	Premise Match	89m	West
	VENTILATION EQUIPMENT MFRS. &/OR DISTS.	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale.2038	73459	1978	Premise Match	89m	West
	STEEL FABRICATORS.	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale. 2038	80598	1975	Premise Match	89m	West
	VENTILATION EQUIPMENT MFRS. &/OR DISTS.	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale. 2038	86134	1975	Premise Match	89m	West
	WELDERS., Electric &/OR OXY.	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale. 2038	87039	1975	Premise Match	89m	West
	ENGINEERS-HOT WATER-HEATING &/OR VENTILATING.	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale. 2038.	29609	1975	Premise Match	89m	West
	AIR CONDITIONING UNIT &/OR MACHINERY MFRS.	Planet Venetilatlon Pty. Ltd., 3-7 Parramatta Rd., Annandale	260831	1970	Premise Match	89m	West
	SHEET METAL WORKERS (S230)	Planet Ventilation Pty. Ltd., 3-5 Parramatta Rd., Annandale	360726	1970	Premise Match	89m	West
	VENTILATING EQUIPMENT MFRS. &/OR DISTRIBUTORS	Planet Ventilation Pty. Ltd., 3-5 Parramatta Rd., Annandale, 2038	372549	1970	Premise Match	89m	West
	WELDERS-ELECTRIC &/OR OXY	Planet Ventilation Pty. Ltd., 3-5 Parramatta Rd., Annandale, 2038	373907	1970	Premise Match	89m	West
	ENGINEERS-HOT WATER,VENTILATING (E640)	Planet Ventilation Pty. Ltd., 3-7 Parramatta Rd., Andale.	299934	1970	Premise Match	89m	West
	STEEL FABRICATORS (S673)	Planet Ventilation Pty. Ltd., 3-7 Parramatta Rd., Annandale	365339	1970	Premise Match	89m	West
	Air Conditioning Units & Machinery Mfrs.	Planet Venetilation Pty. Ltd., 3-7 Parramatta Rd., Annandale	45703	1965	Premise Match	89m	West
	Sheet Metal Workers	Planet Ventilation Pty. Ltd., 3-5 Parramatta Rd., Andale	144039	1965	Premise Match	89m	West
	Ventilating Equipment Mfrs. &/or Distributors	Planet Ventilation Pty. Ltd., 3-5 Parramatta Rd., Andale	155371	1965	Premise Match	89m	West
	Engineers - Hot Water, Heating/Ventilating	Planet Ventilation Pty. Ltd., 3-7 Parramatta Rd., Andale.	83195	1965	Premise Match	89m	West
	STEEL FABRICATORS	Planet Ventilation Pty. Ltd., 3-7 Parramatta Rd., Annandale	148233	1965	Premise Match	89m	West
	ENGINEERS-HOT WATER, HEATING/VENTILATING	Planet Ventilation Pty. Ltd., 3 Parramatta Rd., Annandale	307397	1961	Premise Match	89m	West
	VENTILATING EQUIPMENT MFRS. &/OR DISTRIBUTORS	Planet Ventilation Pty. Ltd., 3-5 Parramatta Rd., Andale	260926	1961	Premise Match	89m	West
	WELDERS-ELECTRIC &/OR OXY	Planet Ventilation Pty. Ltd., 3-5 Parramatta Rd., Andale	262385	1961	Premise Match	89m	West
	SHEET METAL WORKERS	Planet Ventilation Pty. Ltd., 3-5 Parramatta Rd., Annandale	249391	1961	Premise Match	89m	West
	SHEET METAL WORKERS	Booth, L. and Son, 3-5 Parramatta Rd., Annandale	101655	1950	Premise Match	89m	West
	SHEET METAL WORKERS	Booton, L. & Son, 3-5 Parramatta Rd., Annandale	101654	1950	Premise Match	89m	West
	BOILERMAKERS	Booton, L. and Son, 3-5 Parramatta Rd., Annandale	9044	1950	Premise Match	89m	West
	LEAD BURNERS	Booton, L. and Son, 3-5 Parramatta Rd., Annandale	67894	1950	Premise Match	89m	West
	SHEET METAL WORKERS	Booton, L. and Son, 3-5 Parramatta Rd., Annandale	101653	1950	Premise Match	89m	West
	STAINLESS STEEL-WORKERS	Booton, L. and Son, 3-5 Parramatta Rd., Annandale	104848	1950	Premise Match	89m	West

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30	WOODWARE MANUFACTURERS	Woodlines, Entrance Rear 1 Parramatta Rd., Annandale	114045	1950	Premise Match	89m	West
	CHAIR MANUFACTURERS	Woodlines, Rear 1 Parramatta Rd., Annandale	20838	1950	Premise Match	89m	West
	FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Woodlines, Rear 1 Parramatta Rd., Annandale	52974	1950	Premise Match	89m	West
31	PAINT VARNISH OILS &/OR COLOUR MERCHANTS.	Lester, F. W. & Co., 15 Nelson St., Annandale. 2038	55658	1978	Premise Match	92m	North West
	ROOFING CONTRACTORS &/OR REPAIRSERS	Lester, F. W. & Co., 15 Nelson St., Annandale. 2038	63887	1978	Premise Match	92m	North West
	ROOFING MATERIAL MFRS.&/OR DISTS.	Lester, F. W. & Co., 15 Nelson St., Annandale. 2038	63929	1978	Premise Match	92m	North West
	PAINT-INDUSTRIAL PROTECTIVE COATING.	Lester. F. W. & Co., 15 Nelson St., Annandale. 2038	55475	1978	Premise Match	92m	North West
	PAINT-INDUSTRIAL PROTECTIVE COATING.	Lester, F W. & Co., 15 Nelson St., Annandale. 2038	65367	1975	Premise Match	92m	North West
	PLUMBERS, GASFITTERS &/OR DRAINLAYERS.	Lester, F W. & Co., 15 Nelson St., Annandale. 2038	68502	1975	Premise Match	92m	North West
	PAINT VARNISH OILS &/OR COLOUR MERCHANTS.	Lester, F. W. & Co., 15 Nelson St., Annandale. 2038	65568	1975	Premise Match	92m	North West
	PAINT VARNISH OILS &/OR COLOUR MERCHANTS.	Lester, F. W. & Co., 15 Nelson St., Annandale. 2038	65567	1975	Premise Match	92m	North West
	PUMP DEALERS., SECONDHAND.	Lester, F. W. & Co., 15 Nelson St., Annandale. 2038	71184	1975	Premise Match	92m	North West
	ROOFING CONTRACTORS &/OR REPAIRERS.	Lester, F. W. & Co., 15 Nelson St., Annandale. 2038	74602	1975	Premise Match	92m	North West
	ROOFING MATERIAL MFRS &/OR DISTS.	Lester, F. W. & Co., 15 Nelson St., Annandale. 2038	74653	1975	Premise Match	92m	North West
	PAINT,ENAMEL,VARNISH/STAIN MANUFACTURERS (P024)	Lester, F. W. & Co., 15 Nelson St., Annandale	345982	1970	Premise Match	92m	North West
	PAINT-INDUSTRIAL PROTECTIVE COATINGS (P030)	Lester, F. W. & Co., 15 Nelson St., Annandale	346822	1970	Premise Match	92m	North West
	PAINT,VARNISH,OILS/COLOUR MERCHANTS (P074)	Lester, F. W. & Coy., 15 Nelson St., Annandale	346269	1970	Premise Match	92m	North West
	PLUMBERS,GASFITTERS/DRAINLAYERS(P608)	Lester, F. W. & Coy., 15 Nelson St., ANNANDALE	350638	1970	Premise Match	92m	North West
	ROOFING CONTRACTORS/REPAIRERS	Lester, F. W. & Coy., 15 Nelson St., Annandale	357814	1970	Premise Match	92m	North West
	ROOFING MATERIAL MFRS. &/OR DISTRIBUTORS (R415)	Lester, F. W. & Coy., 15 Nelson St., Annandale	357866	1970	Premise Match	92m	North West
	WATERPROOFING MATERIALS MFRS. &/OR DISTS.	Lester, F.W.& Coy, 15 Nelson St, Annandale	373304	1970	Premise Match	92m	North West
	Paint, Enamel, Varnish/Stain Manufacturers	Lester, F. W. & Co., 15 Nelson St., Annandale	130476	1965	Premise Match	92m	North West
	Paint, Varnish, Oils/Colour Merchants	Lester, F. W. & Coy., 15 Nelson St., Annandale	130929	1965	Premise Match	92m	North West
	Plumbers, Gasfitters/Drainlayers	Lester, F. W. & Coy., 15 Nelson St., Annandale	134372	1965	Premise Match	92m	North West
	Waterproofing Materials Mfrs.	Lester, F. W. & Coy., 15 Nelson St., Annandale	156059	1965	Premise Match	92m	North West
	Roofing Contractors/Repairers	Lester, F. W. & Coy.., 15 Nelson St., Annandale	141108	1965	Premise Match	92m	North West
	Roofing Material Mfrs. &/or Distributors	Lester, F. W. & Coy.., 15 Nelson St., Annandale	141155	1965	Premise Match	92m	North West
	WATERPROOFING MATERIALS MFRS.	Lester F W & Coy 15 Nelson St., Annandale	261669	1961	Premise Match	92m	North West
	PAINT, ENAMEL, VARNISH/STAIN MANUFACTURERS	Lester, F. W. & Co., 15 Nelson St., Annandale	355461	1961	Premise Match	92m	North West
	WATERPROOFING MATERIALS MFRS.	Lester, F. W. & Co., 15 Nelson St., Annandale	261670	1961	Premise Match	92m	North West
	PAINT, VARNISH, OILS/COLOUR MERCHANTS	Lester, F. W. & Coy., 15 Nelson St., Annandale	355689	1961	Premise Match	92m	North West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
31	PLUMBERS, GASFITTERS/DRAINLAYERS	Lester, F. W. & Coy., 15 Nelson St., Annandale	360580	1961	Premise Match	92m	North West
	ROOFING CONTRACTORS/REPAIRERS	Lester, F. W. & Coy., 15 Nelson St., Annandale	246637	1961	Premise Match	92m	North West
	ROOFING MATERIAL MFRS. &/OR DISTRIBUTORS	Lester, F. W. & Coy., 15 Nelson St., Annandale	246698	1961	Premise Match	92m	North West
	ROOFING MATERIAL MANUFACTURERS	Lester, F. W. & CO.,15 Nelson St., Annandale	99672	1950	Premise Match	92m	North West
	PAINT, VARNISH, OILS & COLOUR MERCHANTS	Lester, F. W. and Co., 15 Nelson St., Annandale	90788	1950	Premise Match	92m	North West
	ROOFING MATERIAL MANUFACTURERS	Lester, F. W. and Co., 15 Nelson St., Annandale	99673	1950	Premise Match	92m	North West
32	MOTOR ENGINEERS.	Sydney Automatics Pty. Ltd., 4 Australia St., Camperdown. 2050	63581	1986	Premise Match	94m	South East
	MOTOR TRANSMISSION SPECIALISTS.	Sydney Automatics Pty. Ltd., 4 Australia St., Camperdown. 2050	68170	1986	Premise Match	94m	South East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sydney Automatics Pty, Ltd., 4 Australia St., Camperdown. 2050.	57666	1982	Premise Match	94m	South East
	MOTOR BODY BUILDERS.	S.R. Series Restorations, 4 Australia St., Camperdown. 2050	47755	1978	Premise Match	94m	South East
33	CHEMICAL MFRS. &/OR IMPS. &/OR DISTS.	Drew Ameroid Australasia Pty. Ltd., 43 Nelson St., Annandale. 2038	13637	1986	Premise Match	99m	North West
	WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DISTS.	Drew Ameroid Australasia Pty. Ltd., 43 Nelson St., Annandale. 2038	98834	1986	Premise Match	99m	North West
	GASKET MFRS. &/OR SUPPLIERS.	Drew Amerold Australasia Pty. Ltd., 43 Nelson St., Annandale. 2038	38566	1986	Premise Match	99m	North West
	MUSIC SYSTEMS BACKGROUND.	Muzak, 51 Nelson St., Annandale. 2038	68895	1986	Premise Match	99m	North West
	MUSIC SYSTEMS BACKGROUND.	Planned Communications Australia Pty. Ltd., 51 Nelson St., Annandale. 2038	68897	1986	Premise Match	99m	North West
	PUBLIC ADDRESS SYSTEMS MFRS. &/OR DISTS.	Planned Communications Australia Pty. Ltd., 51 Nelson St., Annandale. 2038	78109	1986	Premise Match	99m	North West
	MUSIC SYSTEMS BACKGROUND.	Reditune Communications (Aust.), 51 Nelson St., Annandale. 2038	68898	1986	Premise Match	99m	North West
	PUBLIC ADDRESS SYSTEMS - HIRERS.	Touring Plant, 33 Nelson St., Annandale. 2038	78085	1986	Premise Match	99m	North West
	TELEVISION &/OR RADIO HIRERS.(T2080)	Canberra Television Services Pty. Ltd., 43 Nelson St, Annandale. 2038.	79476	1982	Premise Match	99m	North West
	TELEVISION &/OR RADIO HIRERS.	Canberra Television Services Pty. Ltd., 43 Nelson St., Annandale. 2038	70009	1978	Premise Match	99m	North West
	ELECTRIC FAN MANUFACTURERS &/OR DISTRIBUTORS (E105)	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	293585	1970	Premise Match	99m	North West
	ELECTRIC LIGHTING SPECIALISTS-INSTALLERS &/OR DESIGNERS(E180)	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	293961	1970	Premise Match	99m	North West
	ELECTRIC MOTORS-DEALERS &/OR WHOLESALERS (E210)	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	294213	1970	Premise Match	99m	North West
	FLUORESCENT LIGHTING EQUIPMENT MANUFACTURERS (F365)	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	304583	1970	Premise Match	99m	North West
	FLUORESCENT LIGHTING SPEC. (F370)	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	304632	1970	Premise Match	99m	North West
	ELECTRIC ELEMENT MFRS.&/OR DISTRIBUTORS (E100)	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St, Annandale	293547	1970	Premise Match	99m	North West
	BELTING IMPS. &/OR DISTS (B320)	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	266926	1970	Premise Match	99m	North West
	ELECTRIC LIGHT FITTINGS (SHADES, STANDARD BRACKETS, ETC) MFRS. &/OR DISTS.	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	293841	1970	Premise Match	99m	North West
	ELECTRIC LIGHTING PLANT MFRS.&/OR DISTS.(E175)	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	293936	1970	Premise Match	99m	North West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
33	ELECTRICAL SUPPLIES/APPLIANCES-WHOLESALE	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	296021	1970	Premise Match	99m	North West
	ENGINEERS-ELECTRICAL (E570)	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	298171	1970	Premise Match	99m	North West
	BELTING-LEATHER, RUBBER, PLASTIC,ETC.-MFRS. &/OR DISTS. (B325)	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale.	266956	1970	Premise Match	99m	North West
	ELECTRIC CABLE,FLEX & WIRE MFRS.&/OR DISTS. (E055)	Greendate Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	293380	1970	Premise Match	99m	North West
	Room Heaters - Electric - Mfrs. &/or Dists.	Greendale Engineering & Cable Pty. Ltd., 43-51 Nelson St., Annandale	141197	1965	Premise Match	99m	North West
	Electric Cable, Flex & Wire Mfrs. &/or Dists.	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	77167	1965	Premise Match	99m	North West
	Electric Lighting Specialists - Installers &/or Designers	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	77771	1965	Premise Match	99m	North West
	Electric Motors - Dealers &/or Wholesalers	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	77993	1965	Premise Match	99m	North West
	Fluorescent Lighting Equipment Manufacturers	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	87962	1965	Premise Match	99m	North West
	Fluorescent Lighting Spec.	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	88009	1965	Premise Match	99m	North West
	Belting - Leather, Rubber, Etc. Mfrs. &/or Dists.	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	51480	1965	Premise Match	99m	North West
	Belting Imps. &/Or Dists.	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	51452	1965	Premise Match	99m	North West
	Electric Element Mfrs. &/or Distributors	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	77334	1965	Premise Match	99m	North West
	Electric Light Fittings (Shades, Standard Brackets, Etc.) Mfrs. &/or Dists.	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	77644	1965	Premise Match	99m	North West
	Electric Lighting Plant Mfrs. &/or Dists.	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	77739	1965	Premise Match	99m	North West
	Electrical Supplies/Appliances - Wholesale	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	79789	1965	Premise Match	99m	North West
	Electronic Equipment Mfrs. &/or Dists.	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	80020	1965	Premise Match	99m	North West
	Engineers - Electrical	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	81463	1965	Premise Match	99m	North West
	Electric Fan Manufacturers &/or Distributors	Greendale Engineering & CaMes Pty. Ltd., 43 Nelson St., Annandale	77372	1965	Premise Match	99m	North West
	Flux Manufacturers	Multicore Solders (Ault.) Pty. Ltd., 43-51 Nelson St., Andale	88053	1965	Premise Match	99m	North West
	CONFECTIONERS-MANUFACTURING &/OR WHOLESALE	Cook Confectionery Co. Pty. Ltd., 33 Nelson St., Annandale	292592	1961	Premise Match	99m	North West
	ELECTRIC LIGHTING PLANT MFRS. &/OR DISTS.	Greendale Engineering & Cables Pty. Ltd, 43-51 Nelson St, Annandale	300766	1961	Premise Match	99m	North West
	ELECTRIC CABLE, FLEX & WIRE MFRS. &/OR DISTS.	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	300144	1961	Premise Match	99m	North West
	ELECTRIC FAN MANUFACTURERS &/OR DISTRIBUTORS	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	300369	1961	Premise Match	99m	North West
	ELECTRIC LIGHTING SPECIALISTS-INSTALLERS &/OR DESIGNERS	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	300807	1961	Premise Match	99m	North West
	ELECTRIC MOTORS-DEALERS &/OR WHOLESALERS	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	301082	1961	Premise Match	99m	North West
	FLUORESCENT LIGHTING EQUIPMENT MANUFACTURERS	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	312198	1961	Premise Match	99m	North West
	FLUORESCENT LIGHTING SPEC.	Greendale Engineering & Cables Pty. Ltd., 43 Nelson St., Annandale	312254	1961	Premise Match	99m	North West
	BELTING IMPS. &/OR DISTS	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	273018	1961	Premise Match	99m	North West
	BELTING-LEATHER, RUBBER, ETC. MFRS. &/OR DISTS.	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	273043	1961	Premise Match	99m	North West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
33	ELECTRIC ELEMENT MFRS. &/OR DISTRIBUTORS	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	300331	1961	Premise Match	99m	North West
	ELECTRIC TERMINAL MFRS.	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	301421	1961	Premise Match	99m	North West
	ELECTRONIC EQUIPMENT MFRS. &/OR DISTRIBUTORS	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	303736	1961	Premise Match	99m	North West
	ENGINEERS-ELECTRICAL	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	305476	1961	Premise Match	99m	North West
	SOLDER MANUFACTURERS &/OR DISTRIBUTORS	Greendale Engineering & Cables Pty. Ltd., 43-51 Nelson St., Annandale	251072	1961	Premise Match	99m	North West
	BOOT & SHOE REPAIRERS	Mottle, E., 53 Nelson St., Annandale	275058	1961	Premise Match	99m	North West
	SOLDER MANUFACTURERS &/OR DISTRIBUTORS	Multi-Core Solders (Australia) Pty. Ltd., 43-51 Nelson St., Annandale	251085	1961	Premise Match	99m	North West
	BOOT & SHOE REPAIRERS	Mottle, E., 53 Nelson St., Annandale	10482	1950	Premise Match	99m	North West
	ELECTRICAL SUPPLIES & APPLIANCES RETAILERS	Petcap Lock Co., 43-51 Nelson St., Annandale	38710	1950	Premise Match	99m	North West
	CARRIERS & CARTAGE CONTRACTORS	Stephens, R., 24 Susan St., Annandale	19853	1950	Premise Match	99m	North West
	TRANSPORT SERVICES-INTERSTATE	Stephens, R., 24 Susan St., Annandale	110313	1950	Premise Match	99m	North West
	CONFECTIONERS-MANUFACTURING &/OR WHOLESALE	Walcot Pty. Ltd., 33-41 Nelson St., Annandale	28669	1950	Premise Match	99m	North West
34	Confectioners - Manufacturing &/or Wholesale	Standard Brands Incorporated Pty. Ltd., 5 Albion St., Annandale	70090	1965	Premise Match	100m	North West

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Business Directory Records 1950-1991
Road or Area Matches

Universal Business Directory records from years 1991, 1986, 1982, 1978, 1975, 1970, 1965, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
35	CLOTHING - UNDERWEAR MFRS.&/OR W/SALERS. (C5703)	Eastern Industries Pty. Ltd., Parramatta Rd., Camperdown. 2050.	17164	1982	Road Match	0m
	CLOTHING - UNDERWEAR MFRS. &/OR W/SALERS.	Eastern Industries Pty. Ltd., Parramatta Rd., Camperdown. 2050	15489	1978	Road Match	0m
	PUMP MFRS.&/OR DISTS.	S. & B. Machinery Pty. Ltd., Parramatta Rd., Camperdown. 2050	71296	1975	Road Match	0m
	FROCK & COAT SALONS	Sabu Frock Salon, 157 Parramatta Rd., Annandale.	314477	1961	Road Match	0m
	MOTOR CAR & TRUCK DEALERS-USED	Albion Motors (Overseas) Ltd., 180 Parramatta Rd., Camperdown	82267	1950	Road Match	0m
	MOTOR CAR &/OR TRUCK IMPORTERS &/OR DISTRIBUTORS	Albion Motors (Overseas) Ltd., 180 Parramatta Rd., Camperdown	82651	1950	Road Match	0m
	MOTOR BODY BUILDERS	Albion Motors Overseas Ltd., 180 Parramatta Rd., Camperdown	82001	1950	Road Match	0m
36	MOTOR ENGINEERS.	Johnston, M., Cahill St., Camperdown. 2050	58189	1975	Road Match	0m
37	WIRE PRODUCTS MFRS. (W330)	Australian Springs Pty. Ltd, Mathieson St, Camperdown	374820	1970	Road Match	0m
	SPRING MANUFACTURERS (S467)	Australian Springs Pty. Ltd., Mathieson St., Camperdown	363852	1970	Road Match	0m
	SPRING MFRS.-SPIRAL (S470)	Australian Springs Pty. Ltd., Mathieson St., Camperdown	363883	1970	Road Match	0m
	Furniture - Period - Mfrs. &/or Wholesalers	Fairweather, W. O. & Son., Mathieson St., Camperdown	94087	1965	Road Match	0m
	Toy Mfrs.	Model Engineering Products Pty., Mathieson St., Camperdown	153292	1965	Road Match	0m
	FRENCH POLISHERS	Fairweather, W. O., Mathieson St., Camperdown	313847	1961	Road Match	0m
	CABINETMAKERS	Fairweather, W. O., Mathiesons St., Camperdown	281742	1961	Road Match	0m
	ENGINEERS-GENERAL/MFRG./ MECHANICAL	Model Engineering Products Pty. Ltd., Mathieson St., Camperdown	306792	1961	Road Match	0m
	SHEET METAL WORKERS	Model Engineering Products Pty. Ltd., Mathieson St., Camperdown	249367	1961	Road Match	0m
	BATTERY MANUFACTURERS	Australian Dry Batteries Pty. Ltd., Matheson St., Camperdown	6517	1950	Road Match	0m
38	Dental Supplies &/or Equipment	Adec Australia, 51 Denison St., Camperdown 2050	41257	1991	Road Match	32m
	Motor Panel Beaters &/or Spray Painters	John Gallagher Panel Beating Co Pty Ltd, Denison St Camperdown 2050	54486	1991	Road Match	32m
	HOTEL &/OR MOTEL EQUIPMENT SUPPLIES. (H7100)	Computa Bar Pty. Ltd., 51 Denison St., Camperdown. 2050.	40503	1982	Road Match	32m
	BOOT & SHOE REPAIRERS	Long, W. J., Denison St., Camperdown	10388	1950	Road Match	32m
39	Screen Printers	Spectrum Screen Printers Pty Ltd, 1 Gordon St. Camperdown. 2050	61755	1991	Road Match	44m
40	Printers Lithographic (Offset)	Impressionists Pty. Ltd., Water St Camperdown 2050	59170	1991	Road Match	49m
41	UPHOLSTERERS.	EI-Sid's Upholstery, Kilner La., Camperdown. 2050.	96582	1986	Road Match	52m
	VALUATORS-GENERAL	Australasian Auctioneers Pty. Ltd., Kilner Lane, Camperdown	372289	1970	Road Match	52m
	AUCTIONEERS-GENERAL (A620)	Australian Auctioneers Pty. Ltd., Kilner Lane., Camperdown	263613	1970	Road Match	52m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
41	Furniture Removalists/Storage	Alpha Van Lines Pty. Ltd., Kilner Lane, Camperdown	94127	1965	Road Match	52m
	Valuators - Furniture &/or General	Australasian Auctioneers Pty Ltd., Kilner Lane, Camperdown	155131	1965	Road Match	52m
	Auctioneers - General	Australian Auctioneers Pty. Ltd., Kilner Lane, Camperdown	48329	1965	Road Match	52m
	Furniture Removalists/Storage	Kilners Pty. Ltd., Kilner Lane, Camperdown	94165	1965	Road Match	52m
	Carriers & Cartage Contractors - Master	Kilners Pty., Ltd., Kilner Lane, Camperdown	62727	1965	Road Match	52m
42	ENGINEERS-FURNACE & COMBUSTION	Universal Oil Burner Co., Albion St., Annandale	40349	1950	Road Match	57m
43	ROAD TRANSPORT SERVICES-N.S.W.	Sydney-Wollongong Transport Pty. Ltd., Cardigan St., Camperdown	246469	1961	Road Match	59m
44	BUTCHERS - WHOLESALE	Elvy, E. R. & Sons Pty. Ltd., 82 Cardigan La., Camperdown. 2050	11519	1975	Road Match	64m
	FOOD-FROZEN-MFRS &/OR IMPS &/OR DISTS.	Sumy Ridge Turkey Farm Pty. Ltd., 82 Cardigan La., Camperdown. 2050.	33450	1975	Road Match	64m
	POULTRY DEALERS-WHOLESALE.	Sunny Ridge Turkey Farm Pty. Ltd., 82 Cardigan La., Camperdown.	68992	1975	Road Match	64m
	FOOD PROCESSORS &/OR PACKERS.	Sunny Ridge Turkey Farm Pty. Ltd., 82 Cardigan La., Camperdown. 2050.	33620	1975	Road Match	64m
	BUTCHERS-WHOLESALE (B868)	Elvy, ER & Sons Pty. Ltd., 82 Cardigan Lane., Camperdown	274909	1970	Road Match	64m
	FOOD PROCESSORS/PACKERS (F430)	Sunny Ridge Turkey Farm Pty. Ltd., 82 Cardigan La., Camperdown	305007	1970	Road Match	64m
	FOODS-FROZEN-SPECIALISTS (F439)	Sunny Ridge Turkey Farm Pty. Ltd., 82 Cardigan La., Camperdown	305177	1970	Road Match	64m
	POULTRY DEALERS-W'SALE (P696)	Sunny Ridge Turkey Farm Pty. Ltd., 82 Cardigan La., Camperdown	351336	1970	Road Match	64m
	MANUFACTURERS' AGENTS	Barrett, B. N., 80 Cardigan Lane, Stanmore	70810	1950	Road Match	64m
	GROCERS-WHOLESALE	Barrett, B. N., 80 Cardigan Lane., Stanmore	58831	1950	Road Match	64m
45	Brass Fittings &/or Brassware Mfrs &/or Suppliers	Decorative Brass Pty. Ltd., 2 Australia St. Camperdown 2050	36553	1991	Road Match	75m
	Metal Polishers &/or Grinders	Decorative Brass Pty. Ltd., 2 Australia St., Camperdown. 2050	51641	1991	Road Match	75m
	MOTOR GEAR &/OR TRANSMISSION SPECIALISTS.	Maserati Motors Performance, 2 Australia St., Camperdown. 2050	65824	1986	Road Match	75m
	MOTOR ENGINEERS.	Maserati Motors Performance. 2 Australia St., Camperdown. 2050	63455	1986	Road Match	75m
	COURIER SERVICES.	Yellow Express Taxi Trucks, 13A Australia St., Camperdown. 2050	20663	1986	Road Match	75m
	TAXI TRUCK OPERATORS.	Yellow Express Taxi Trucks, 13A Australia St., Camperdown. 2050	92458	1986	Road Match	75m
	MOTOR ENGINEERS. (M6660)	Maserati Motors Performance, 2 Australia St., Camperdown. 2050.	55768	1982	Road Match	75m
	MOTOR GEAR &/OR TRANSMISSION SPECIALISTS. (M6920)	Maserati Motors Performance, 2 Australia St., Camperdown. 2050.	57921	1982	Road Match	75m
46	TYRE DEALERS &/OR RETREADERS &/OR VULCANISERS	Tyresoles (Aust) Pty. Ltd., Parramatta Rd., Annandale. 2038	72988	1978	Road Match	77m
	FISH MERCHANTS-RETAIL	Chris Sea Foods, Parramatta Rd., Annandale. 2038.	32323	1975	Road Match	77m
	TYRE DEALERS, RETREADERS &/OR VULCANIZERS,	Tyresoles (Aust.) Pty. Ltd., Parramatta Rd., Annandale. 2038	85649	1975	Road Match	77m
	TYRE DEALERS, RETREADERS & VULCANIZERS	Tyresoles (Aust.) Pty. Ltd., Parramatta Rd., Annandale	371766	1970	Road Match	77m
	Tyre Dealers, Retreaders & Vulcanizers	Tyresoles (Aust.) Pty. Ltd., Parramatta Rd., Annandale	154789	1965	Road Match	77m
	HOTELS—LICENSED	Empire Hotel, Parramatta Rd., Annandale	325302	1961	Road Match	77m
	TYRE RETREAD./VULCANIZERS	Tyresoles (Aust.) Pty. Ltd., Parramatta Rd., Annandale	260124	1961	Road Match	77m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
46	BABY & CHILDREN'S WEAR-RETAIL	Delphine's, Parramatta Rd., Annandale	4505	1950	Road Match	77m
	TAILORS-LADIES &/OR GENT.'S	Savage, J., Parramatta Rd., Annandale	106705	1950	Road Match	77m
47	TYRE/TUBE DEALERS (T760)	Braham Bros. (Toyo Tyres), Parramatta Rd., Stanmore	371828	1970	Road Match	78m
	MOTOR CAR/TRUCK DEALERS—NEW/USED	Palmer, Sydney Pty. Ltd., Parramatta Rd., Stanmore	345283	1961	Road Match	78m
	PICTURE THEATRES-SUBURBAN	Olympia Cinema, Parramatta Rd., Stanmore	92861	1950	Road Match	78m

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Dry Cleaners, Motor Garages & Service Stations

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Legend

- Site Boundary
- Buffer 250m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 40 80 120 160 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 11 January 2021

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018
Property Boundaries © NSW Department Finance, Services & Innovation 2021

Historical Business Directories

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Dry Cleaners, Motor Garages & Service Stations 1948-1993 Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a premise or road intersection, within the dataset buffer.

Note: The Universal Business Directories were published between 1948 and 1993. Dry Cleaners, Motor Garages & Service Stations have been extracted from all of these directories except the following years 1951, 1955, 1957, 1960, 1963, 1973, 1974, 1977, 1987.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	DRY CLEANERS, PRESSERS &/OR DYERS.	Lawrence Dry Cleaners Pty. Ltd., 130 Pyrmont Bridge Rd., Camperdown 2050	3020	1972	Premise Match	0m	On-site
	DRY CLEANERS, PRESSERS &/OR DYERS	Lawrence Dry Cleaners Pty. Ltd., 130 Pyrmont Bridge Rd., Camperdown 2050	51154	1971	Premise Match	0m	On-site
	DRY CLEANERS, PRESSERS/DYERS	Lawrence Dry Cleaners., 130 Pyrmont Bridge Rd., Camperdown	10103	1959	Premise Match	0m	On-site
	DRY CLEANERS, PRESSERS & DYERS	Ranier Dry Cleaners., 130 Pyrmont Bridge Rd Camperdown	357	1958	Premise Match	0m	On-site
2	DRY CLEANERS, PRESSERS/DYERS.	Lawrence Dry Cleaners Pty. Ltd., 208 Parramatta Rd., Camperdown	24812	1962	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS / DYERS	Lawrence Dry Cleaners Pty. Ltd., 208 Parramatta Rd., Camperdown	299159	1961	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS/DYERS	Lawrence Dry Cleaners Pty Ltd., 208 Parramatta Rd, Camperdown	9948	1959	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS/DYERS	Lawrence Dry Cleaners Pty. Ltd., 208 Parramatta Rd Camperdown	10104	1959	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS & DYERS	Lawrence Dry Cleaners., 208 Parramatta Rd Camperdown	290	1958	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS & DYERS.	Lawrence Dry Cleaners., 212-214 Parramatta Rd Camperdown	44418	1954	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS & DYERS.	Lawrence Dry Cleaners., 212-214 Parramatta Rd Camperdown	36238	1953	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS & DYERS.	Lawrence Dry Cleaners., 212-214 Parramatta Rd., Camperdown	27134	1952	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS & DYERS	Lawrence Dry Cleaners, 212 Parramatta Rd Camperdown	35398	1950	Premise Match	9m	South West
	DRY CLEANERS, PRESSERS & DYERS.	Lawrerce Dry Cleaners., 212 Parramatta Rd., Camperdown	17259	1948-49	Premise Match	9m	South West
3	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Car Club Co. Pty. Ltd., Parramatta Rd Camperdown	31028	1968	Road Intersection	14m	South
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Car Club Co. Pty. Ltd., Parramatta Rd Camperdown	15509	1967	Road Intersection	14m	South
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Car Club Co. Pty. Ltd., Parramatta Rd Camperdown	1085	1966	Road Intersection	14m	South
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Car Club Co. Pty. Limited., Cnr Parramatta & Pyrmont Rds Camperdown	37981	1962	Road Intersection	14m	South
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Camperdown Car Club Co. Pty. Limited, Cnr. Parramatta & Pyrmont Rds. CAMPERDOWN	350437	1961	Road Intersection	14m	South
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Atlantic Service Station., Cnr Parramatta & Pyrmont Rds., Camperdown	24041	1959	Road Intersection	14m	South

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
4	MOTOR GARAGES & SERVICE STATIONS.	Mobil Camperdown Service Centre, 200 Parramatta Rd., Camperdown. 2050	19125	1993	Premise Match	20m	East
	Motor Garages & Service Stations	Esso Service Centre, 200 Parramatta Rd., Camperdown 2050	53731	1991	Premise Match	20m	East
	MOTOR GARAGES & SERVICE STATIONS.	Esso Service Centre, 200 Parramatta Rd., Camperdown. 2050	11584	1990	Premise Match	20m	East
	MOTOR GARAGE & SERVICE STATIONS.	Esso Selfserve, 200 Parramatta Rd., Camperdown. 2050	65041	1989	Premise Match	20m	East
	MOTOR GARAGES & SERVICE STATIONS.	Esso Selfserve, 200 Parramatta Rd., Camperdown. 2050	59259	1988	Premise Match	20m	East
	MOTOR GARAGES & SERVICE STATIONS.	Esso Selfserve, 200 Parramatta Rd., Camperdown. 2050	64664	1986	Premise Match	20m	East
	MOTOR GARAGES & SERVICE STATIONS.	Esso Selfserve, 200 Parramatta Rd., Camperdown. 2050	39663	1985	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Selfserve, 200 Parramatta Rd., Camperdown. 2050	28241	1984	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Selfserve., 200 Parramatta Rd., Camperdown 2050	14666	1983	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Esso Selfserve, 200 Parramatta Rd., Camperdown. 2050.	56730	1982	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Camperdown Service Station., 200 Parramatta Rd., Camperdown. 2050	3236	1981	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Camperdown Service Station., 200 Parramatta Rd., Camperdown. 2050	52885	1980	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter., 200 Parramatta Rd., Camperdown. 2050.	41469	1979	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter, 200 Parramatta Rd., Camperdown.	50008	1978	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter., 200 Parramatta Rd., Camperdown 2050	29967	1976	Premise Match	20m	East
	MOTOR GARAGES &/OR ENGINEERS.	Esso Servicenter 200 Parramatta Rd., Camperdown.	58839	1975	Premise Match	20m	East
	MOTOR GARAGES & ENGINEERS(M6S6)	Esso Servicenter, Parramatta Rd. CAMPERDOWN	337771	1970	Premise Match	20m	East
5	MOTOR GARAGES & ENGINEERS.	Harden & Johnston Limited, Parts Division., 212-220 Parramatta Rd Camperdown Sydney	7010	1967	Premise Match	41m	South West
6	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Service Station., 92 Pyrmont Bridge Rd Camperdown	51823	1964	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Service Station., 92 Pyrmont Bridge Rd Camperdown	37982	1962	Premise Match	51m	North East
	MOTOR GARAGES & ENGINEERS.	Dawson D., 92 Pyrmont Bridge Rd., Camperdown	29046	1962	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Elliott L. D., 92 Bridge St Camperdown	37983	1962	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Transport Workers' Co-Op. Ltd., 92 Pyrmont Bridge Rd Camperdown	37986	1962	Premise Match	51m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Camperdown Service Station, 92 Pyrmont Bridge Rd. CAMPERDOWN	350438	1961	Premise Match	51m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
6	MOTOR GARAGES & ENGINEERS	Dawson, D., 92 Pyrmont Bridge Rd. CAMPERDOWN	347026	1961	Premise Match	51m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Elliott, L. D., 92 Bridge St. CAMPERDOWN	350559	1961	Premise Match	51m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Transport Workers' Co-op. Ltd., 92 Pyrmont Bridge Rd., CAMPERDOWN	351230	1961	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Camperdown Service Station., 92 Pyrmont Bridge Rd Camperdown	24040	1959	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Camperdown Service Station., 92 Pyrmont Bridge Rd Camperdown	24043	1959	Premise Match	51m	North East
	MOTOR GARAGES & ENGINEERS	Dawson D., 92 Pyrmont Bridge Rd., Camperdown	13762	1959	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Elliott L. D., 92 Bridge St Camperdown	24044	1959	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Transport Workers' Co-Op. Ltd., 92 Pyrmont Bridge Rd Camperdown	24047	1959	Premise Match	51m	North East
	MOTOR GARAGE/ENGINEERS.	Dawson D., 92 Pyrmont Bridge Rd Camperdown	946	1958	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Elliott L. D., 92 Bridge St., Camperdown	9507	1958	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Transport Workers Co-Operative Ltd., 92 Pyrmont Bridge Rd Camperdown	9885	1958	Premise Match	51m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Dawson D., 92 Pyrmont Bridge Rd., Camperdown	57538	1956	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Elliott L. D., 92 Bridge St Camperdown	61889	1956	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Transport Workers Co-Operative Ltd., 92 Pyrmont Bridge Rd Camperdown	84	1956	Premise Match	51m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Dawson D., 92 Pyrmont Bridge Rd Camperdown	49157	1954	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Elliott L. D., 92 Bridge St., Camperdown	54456	1954	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Transport Workers Co-Operative Ltd., 92 Pyrmont Bridge Rd Camperdown	54708	1954	Premise Match	51m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Dawson D., 92 Pyrmont Bridge Rd., Camperdown	39904	1953	Premise Match	51m	North East
	MOTOR SERVICE STATIONS–PETROL, ETC.	Elliott, L. D., 92 Bridge St., Camperdown	44050	1953	Premise Match	51m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Dawson D., 92 Pyrmont Bridge Rd., Camperdown	31557	1952	Premise Match	51m	North East
	MOTOR GARAGES &/OR ENGINEERS	Dawson D., 92 Pyrmont Bridge Rd., Camperdown	83671	1950	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, Etc.	Dawson, D., 92 Pyrmont Bridge Rd., Camperdown	85917	1950	Premise Match	51m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Tulk Bros., 92 Pyrmont Bridge Rd Camperdown	22964	1948-49	Premise Match	51m	North East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Tulk Bros., 92 Pyrmont Bridge Rd., Camperdown	26840	1948-49	Premise Match	51m	North East
7	MOTOR GARAGES & ENGINEERS.	Pearce Bros. Pty. Ltd., 194-196 Parramatta Rd Camperdown	29059	1962	Premise Match	51m	East
	MOTOR GARAGES & ENGINEERS	Pearce Bros. Pty. Ltd., 194-196 Parramatta Rd. CAMPERDOWN	347882	1961	Premise Match	51m	East
	MOTOR GARAGES & ENGINEERS	Pearce Bros. Pty. Ltd., 190-192 Parramatta Rd Camperdown	13773	1959	Premise Match	51m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
7	MOTOR GARAGE/ENGINEERS.	Pearce Bros. Pty. Ltd., 190-192 Parramatta Rd Camperdown	4733	1958	Premise Match	51m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pearce Bros. Pty. Ltd., 190-192 Parramatta Rd Camperdown	61271	1956	Premise Match	51m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pearce Bros. Pty. Ltd., 190-192 Parramatta Rd Camperdown	49833	1954	Premise Match	51m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pearce Bros. Pty. Ltd., 190-192 Parramatta Rd Camperdown	40494	1953	Premise Match	51m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pearce Bros. Pty. Ltd., 190-192 Parramatta Rd Camperdown	32068	1952	Premise Match	51m	East
	MOTOR GARAGES &/OR ENGINEERS	Pearce Bros Pty. Ltd., 190-192 Parramatta Rd., Camperdown	84198	1950	Premise Match	51m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pearce Bros Pty. Ltd., 190-192 Parramatta Rd Camperdown	22728	1948-49	Premise Match	51m	East
8	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Lanock Motors Ltd., 11 Australia St., Camperdown 2050	3638	1981	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Lanock Motors Ltd., 11 Australia St., Camperdown. 2050	58371	1980	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Lanock Motors Ltd., 11 Australia St., Camperdown 2050	30364	1976	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Lanock Motors Ltd., 11 Australia St., Camperdown.	59142	1975	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Lanock Motors Sales & Service Pty. Ltd., 11 Australia St Camperdown	7727	1972	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Lanock Motors Sales & Service Pty. Ltd., 11 Australia St Camperdown	56487	1971	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS(M6S6)	Lanock Motors Sales & Service Pty. Ltd., 11 Australia St. CAMPERDOWN	338142	1970	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS.	Lanock Motors Sales & Service Pty. Ltd., 11 Australia St Camperdown	41811	1969	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Lannock Motors Sales & Service Pty. Ltd., 11 Australia St Camperdown	21176	1968	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS.	Lannock Motors Sales & Service Pty. Ltd., 11 Australia St Camperdown	6828	1967	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS.	Lannock Motors Sales & Service Pty. Ltd., 11 Australia St Camperdown	55786	1966	Premise Match	60m	South East
	Motor Garages & Engineers	Lannock Motors Sales & Service Pty. Ltd., 11 Australia St. Camperdown	122350	1965	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Lanock Motors Ltd., 11 Australia St Camperdown	43549	1964	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS.	Grenville Motors Ltd., 11 Australia St Camperdown	29050	1962	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS.	Lanock Motors Ltd., 11 Australia St Camperdown	29054	1962	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS.	Larke Hoskins Pty. Ltd., 143 Parramatta Rd Camperdown	29055	1962	Premise Match	60m	South East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Larke Hoskins Pty. Ltd., 143 Parramatta Rd Camperdown	37985	1962	Premise Match	60m	South East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Larke Hoskins Services Pty. Ltd., 12-16 Denison St Camperdown	37984	1962	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Grenville Motors Ltd., 11 Australia St., Camperdown	347281	1961	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Lanock Motors Ltd., 11 Australia St., Camperdown	347544	1961	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Larke, Hoskins Pty. Ltd., 143 Parramatta Rd. CAMPERDOWN	347550	1961	Premise Match	60m	South East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Larke, Hoskins Pty. Ltd., 143 Parramatta Rd. CAMPERDOWN	350776	1961	Premise Match	60m	South East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
8	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Larke, Hoskins Services Pty. Ltd., 12-16 Denison St. CAMPERDOWN	350777	1961	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Grenville Motors Ltd., 11 Australia St Camperdown	13766	1959	Premise Match	60m	South East
	MOTOR GARAGES & ENGINEERS	Larke Hoskins Pty. Ltd., 143 Parramatta Rd Camperdown	13769	1959	Premise Match	60m	South East
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Larke Hoskins Pty. Ltd., 143 Parramatta Rd Camperdown	24045	1959	Premise Match	60m	South East
	MOTOR GARAGE/ENGINEERS.	Grenville Motors Ltd., 11 Australia St Camperdown	4209	1958	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Grenville Motors Ltd., 11 Australia St Camperdown	57739	1956	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Grenville Motors Ltd., 11 Australia St Camperdown	49346	1954	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Larke Neave & Carter Ltd., 11 Australia St Camperdown	49558	1954	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Grenville Motors Ltd., 11 Australia St Camperdown	40072	1953	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Larke, Neave & Carter Ltd., 11 Australia St., Camperdown	65259	1953	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Larke Neave & Carter Ltd., 11 Australia St., Camperdown	31856	1952	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS	Larke, Neave and Carter Ltd., 11 Australia St., Camperdown	83983	1950	Premise Match	60m	South East
	MOTOR SERVICE STATIONS-PETROL, Etc.	Larke, Neave and Carter Ltd., 141 Parramatta Rd., Camperdown	86128	1950	Premise Match	60m	South East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Larke Hoskins Pty. Ltd., 141 Parramatta Rd Camperdown	26573	1948-49	Premise Match	60m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Larke Neave And Carter Ltd., 11 Australia St Camperdown	22541	1948-49	Premise Match	60m	South East
9	MOTOR GARAGES & ENGINEERS.	Mcrae H. & D., 96 Pyrmont Bridge Rd Camperdown	29056	1962	Premise Match	75m	North East
	MOTOR GARAGES & ENGINEERS	McRae, H. & D., 96 Pyrmont Bridge Rd. CAMPERDOWN	347693	1961	Premise Match	75m	North East
	MOTOR GARAGES & ENGINEERS	Mcrae H. & D., 96 Pyrmont Bridge Rd Camperdown	13770	1959	Premise Match	75m	North East
	MOTOR GARAGE/ENGINEERS.	Mcrae H. And D., 96 Pyrmont Bridge Rd Camperdown	4526	1958	Premise Match	75m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Mcrae H. And D., 96 Pyrmont Bridge Rd Camperdown	58033	1956	Premise Match	75m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Mcrae H. And D., 96 Pyrmont Bridge Rd Camperdown	49642	1954	Premise Match	75m	North East
	MOTOR GARAGES &/OR ENGINEERS.	McRae H. And D., 96 Pyrmont Bridge Rd., Camperdown	40325	1953	Premise Match	75m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Mcrae H. And D., 96 Pyrmont Bridge Rd Camperdown	31919	1952	Premise Match	75m	North East
	MOTOR GARAGES &/OR ENGINEERS	McRae, H. and D., 96 Pyrmont Bridge Rd., Camperdown	84076	1950	Premise Match	75m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Mcrae H. And D., 96 Pyrmont Bridge Rd Camperdown	22596	1948-49	Premise Match	75m	North East
10	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Maserati Motors., 2 Australia St., Camperdown 2050	3723	1981	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Total Service Station., 137 Parramatta Rd Camperdown	1087	1966	Premise Match	87m	South East
	Motor Service Stations - Petrol, Oil, Etc.	Total Service Station, 137 Parramatta Rd. Camperdown	125540	1965	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Total Service Station., 137 Parramatta Rd Camperdown	51824	1964	Premise Match	87m	South East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
10	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Broadway Service Station., 137 Parramatta Rd Camperdown	37980	1962	Premise Match	87m	South East
	MOTOR GARAGES & ENGINEERS.	Total Service Station., 137 Parramatta Rd., Camperdown	29062	1962	Premise Match	87m	South East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Broadway Service Station, 137 Parramatta Rd. CAMPERDOWN	350407	1961	Premise Match	87m	South East
	MOTOR GARAGES & ENGINEERS	Total Service Station, 137 Parramatta Rd. CAMPERDOWN	348300	1961	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Broadway Service Station., 137 Parramatta Rd Camperdown	24042	1959	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Total Service Station., 137 Parramatta Rd Camperdown	24046	1959	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Broadway Service Station., 137 Parramatta Rd Camperdown	9417	1958	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Broadway Service Station., 137 Parramatta Rd Camperdown	61816	1956	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Broadway Service Station., 137 Parramatta Rd Camperdown	54408	1954	Premise Match	87m	South East
	MOTOR SERVICE STATIONS–PETROL, ETC.	Broadway Service Station, 137 Parramatta Rd., Camperdown	44022	1953	Premise Match	87m	South East
	MOTOR SERVICE STATIONS–PETROL, ETC.	Broadway Service Station., 137 Parramatta Rd Camperdown	35792	1952	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL, Etc.	Broadway Service Station, 137 Parramatta Rd., Camperdown	85825	1950	Premise Match	87m	South East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Broadway Service Station., 137 Parramatta Rd Camperdown	23150	1948-49	Premise Match	87m	South East
11	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sydney Automatics Pty, Ltd., 4 Australia St., Camperdown. 2050.	57666	1982	Premise Match	94m	South East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sydney Automatics Pty. Ltd., 4 Australia St., Camperdown 2050	8256	1981	Premise Match	94m	South East
12	MOTOR GARAGE/ENGINEERS.	Broadway Ford Service., 4-8 Australia St Camperdown	714	1958	Premise Match	104m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Broadway Ford Service., 4-8 Australia St Camperdown	57326	1956	Premise Match	104m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Broadway Ford Service., 4-8 Australia St Camperdown	48958	1954	Premise Match	104m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Broadway Ford Service., 4-8 Australia St Camperdown	36671	1953	Premise Match	104m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Broadway Ford Service., 4-8 Australia St Camperdown	27570	1952	Premise Match	104m	South East
	MOTOR GARAGES &/OR ENGINEERS	Broadway Ford Service. 4-8 Australia St., Camperdown	83502	1950	Premise Match	104m	South East
	MOTOR GARAGES &/OR ENGINEERS.	Broadway Ford Service., 4-8 Australia St Camperdown	17818	1948-49	Premise Match	104m	South East
13	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Hastings Deering Service Limited., 182 Parramatta Rd Camperdown	20161	1959	Premise Match	110m	East
14	DRY CLEANERS, PRESSERS & DYERS.	Bridge Laundry., 8 Australia St Newtown	44314	1954	Premise Match	116m	South East
	DRY CLEANERS, PRESSERS & DYERS.	Bridge Laundry., 8 Australia St Newtown	36122	1953	Premise Match	116m	South East
15	DRY CLEANERS, PRESSERS & DYERS.	Norman O. Carlson., 13 Parramatta Rd Annandale	27201	1952	Premise Match	128m	West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
16	MOTOR GARAGES &/OR ENGINEERS.	Camperdown Auto Port., 74 Pyrmont Bridge Rd Camperdown	7719	1972	Premise Match	133m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Camperdown Auto Port., 74 Pyrmont Bridge Rd Camperdown	56478	1971	Premise Match	133m	North East
	MOTOR GARAGES & ENGINEERS(M6S6)	Camperdown Auto Port, 74 Pyrmont Bridge Rd. CAMPERDOWN	337519	1970	Premise Match	133m	North East
	MOTOR GARAGES & ENGINEERS.	Camperdown Auto Port., 74 Pyrmont Bridge Rd Camperdown	37740	1969	Premise Match	133m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Auto Port., 74 Pyrmont Bridge Rd Camperdown	47606	1969	Premise Match	133m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Auto Port., 74 Pyrmont Bridge Rd Camperdown	31027	1968	Premise Match	133m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Auto Port., 74 Pyrmont Bridge Rd Camperdown	15508	1967	Premise Match	133m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Camperdown Auto Port., 74 Pyrmont Bridge Rd Camperdown	1084	1966	Premise Match	133m	North East
	Motor Service Stations - Petrol, Oil, Etc.	Camperdown Auto Port, 74 Pyrmont Bridge Rd. Camperdown	125539	1965	Premise Match	133m	North East
	MOTOR GARAGES & ENGINEERS	Camperdown Auto Port., 74 Pyrmont Bridge Rd Camperdown	43540	1964	Premise Match	133m	North East
17	MOTOR GARAGES &/OR ENGINEERS.	Sonnerdale Richardson & Brown., 1-29 Bridge Rd., Stanmore 2048	13085	1972	Premise Match	158m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Sonnerdale Richardson & Brown., 1-29 Bridge Rd., Stanmore 2048	13088	1972	Premise Match	158m	South West
	MOTOR GARAGES & ENGINEERS.	Sonnerdale Pty. Ltd., 5-29 Bridge St Stanmore	33459	1962	Premise Match	158m	South West
	MOTOR GARAGES & ENGINEERS	Sonnerdale Pty. Ltd., 5-29 Bridge St. STANMORE	348163	1961	Premise Match	158m	South West
	MOTOR GARAGES & ENGINEERS.	Sonnerdale Pty. Ltd., 5-29 Bridge St Stanmore	19993	1959	Premise Match	158m	South West
	MOTOR GARAGE/ENGINEERS.	Sonnerdale Pty. Ltd., 5-29 Bridge St Stanmore	4990	1958	Premise Match	158m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Sonnerdale Pty. Ltd., 5-29 Bridge St Stanmore	61512	1956	Premise Match	158m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Sonnerdale Pty. Ltd., 5-29 Bridge St Stanmore	54127	1954	Premise Match	158m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Sonnerdale Pty. Ltd., 5-29 Bridge St Stanmore	40703	1953	Premise Match	158m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Sonnerdale Pty. Ltd., 5-29 Bridge St., Stanmore	32259	1952	Premise Match	158m	South West
	MOTOR GARAGES &/OR ENGINEERS	Sonnerdale Pty. Ltd., 5-29 Bridge St., Stanmore	84391	1950	Premise Match	158m	South West
18	MOTOR GARAGES &/OR ENGINEERS.	Radecry L. Engineers Pty. Ltd., 1 Chester St., Camperdown 2050	7732	1972	Premise Match	164m	North
19	MOTOR GARAGES & ENGINEERS	Buchanan N. H. Motor Co. Pty. Ltd., 6 Nelson St Annandale	13443	1959	Premise Match	165m	West
	MOTOR GARAGE/ENGINEERS.	Buchanan N. H. Motor Co. Pty. Ltd., 6 Nelson St Annandale	736	1958	Premise Match	165m	West
	MOTOR GARAGE/ENGINEERS.	Pippen A., 6 Nelson St Annandale	4768	1958	Premise Match	165m	West
	MOTOR GARAGE/ENGINEERS.	Sporne C. And Sons., 6 Nelson St Annandale	5005	1958	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Pippen A., 6 Nelson St Annandale	61301	1956	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Sporne C. And Sons., 6 Nelson St., Annandale	61525	1956	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Pippen A., 6 Nelson St Annandale	49861	1954	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Sporne C. And Sons., 6 Nelson St., Annandale	54140	1954	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Pippen A., 6 Nelson St., Annandale	40516	1953	Premise Match	165m	West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
19	MOTOR GARAGES &/OR ENGINEERS.	Sporne C. And Sons., 6 Nelson St Annandale	40714	1953	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Pippen A., 6 Nelson St., Annandale	32090	1952	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Sporne C. And Sons., 6 Nelson St Annandale	32268	1952	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS	Pippen, A., 6 Nelson St., Annandale	84221	1950	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS	Sporne, C. and Sons, 6 Nelson St., Annandale	84400	1950	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Pippen A., 6 Nelson St Annandale	22748	1948-49	Premise Match	165m	West
	MOTOR GARAGES &/OR ENGINEERS.	Sporne C. And Sons., 6 Nelson St Annandale	22890	1948-49	Premise Match	165m	West
20	MOTOR GARAGES & SERVICE STATIONS.	Rebuilt Automatics (Stanmore) Pty. Ltd., 14 Parramatta Rd., Stanmore. 2048	45436	1985	Premise Match	169m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Rebuilt Automatics (Stanmore) Pty. Ltd., 14 Parramatta Rd., Stanmore. 2048	34003	1984	Premise Match	169m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Rebuilt Automatics (Stanmore) Pty. Ltd., 14 Parramatta Rd., Stanmore 2048	21458	1983	Premise Match	169m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Rebuilt Automatics (Stanmore) Pty. Ltd., 14 Parramatta Rd., Stanmore. 2048.	57445	1982	Premise Match	169m	South West
21	Motor Garages & Engineers	Pryer J. T. & Son.,168 Parramatta Rd Camperdown	122353	1965	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS	Pryer T. & Son., 168 Parramatta Rd Camperdown	43552	1964	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS.	Ferrier Dickinson & Weir Drysdale Ltd., 142-146 Parramatta Rd Camperdown	29049	1962	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS.	Industrial Controls Pty. Ltd., 172 Parramatta Rd Camperdown	29051	1962	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS.	Pryer J. T. & Son., 168 Parramatta Rd Camperdown	29060	1962	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS	Ferrier, Dickinson & Weir Drysdale Ltd., 142-146 Parramatta Rd. CAMPERDOWN	347139	1961	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS	Industrial Controls Pty. Ltd., 172 Parramatta Rd. CAMPERDOWN	347429	1961	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS	Pryer, J. T., 140 Parramatta Rd. CAMPERDOWN	347950	1961	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS	Ferrier Dickinson & Weir Drysdale Ltd., 142-146 Parramatta Rd Camperdown	13765	1959	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS	Industrial Controls Pty. Ltd., 172 Parramatta Rd Camperdown	13767	1959	Premise Match	177m	East
	MOTOR GARAGES & ENGINEERS	Pryer J. T., 140 Parramatta Rd Camperdown	13774	1959	Premise Match	177m	East
	MOTOR GARAGE/ENGINEERS.	Ferrier Dickinson & Weir Drysdale Ltd., 142-146 Parramatta Rd Camperdown	4098	1958	Premise Match	177m	East
	MOTOR GARAGE/ENGINEERS.	Industrial Controls Pty. Ltd., 172 Parramatta Rd Camperdown	4336	1958	Premise Match	177m	East
	MOTOR GARAGE/ENGINEERS.	Pryer J. T., 140 Parramatta Rd Camperdown	4794	1958	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Ferrier Dickinson & Weir Drysdale Ltd., 142-146 Parramatta Rd Camperdown	57642	1956	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pryer J. T., 140 Parramatta Rd Camperdown	61323	1956	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Ferrier Dickinson & Weir Drysdale Ltd., 142-146 Parramatta Rd Camperdown	49254	1954	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pryer J. T., 140 Parramatta Rd Camperdown	49884	1954	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Ferrier Dickinson & Weir Drysdale Ltd., 142-146 Parramatta Rd Camperdown	39987	1953	Premise Match	177m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
21	MOTOR GARAGES &/OR ENGINEERS.	Pryer J T., 140 Parramatta Rd Camperdown	40534	1953	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Ferrier Dickinson & Weir Drysdale Ltd., 142-146 Parramatta Rd Camperdown	31629	1952	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pryer J. T., 140 Parramatta Rd Camperdown	32109	1952	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS	Ferrier, Dickinson and Weir Drysdale Ltd., 142-146 Parramatta Rd., Camperdown	83743	1950	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS	Pryer, J. T., 140 Parramatta Rd., Camperdown	84239	1950	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Ferrier Dickinson And Weir Drysdale Ltd., 142-146 Parramatta Rd Camperdown	18016	1948-49	Premise Match	177m	East
	MOTOR GARAGES &/OR ENGINEERS.	Pryer J. T., 140 Parramatta Rd Camperdown	22761	1948-49	Premise Match	177m	East
22	MOTOR GARAGES & ENGINEERS.	Demos J., 62 Pyrmont Bridge Rd., Camperdown	29047	1962	Premise Match	192m	North East
	MOTOR GARAGES & ENGINEERS	Demos, J., 62 Pyrmont Bridge Rd. CAMPERDOWN	347039	1961	Premise Match	192m	North East
	MOTOR GARAGES & ENGINEERS	Demos J., 62 Pyrmont Bridge Rd Camperdown	13763	1959	Premise Match	192m	North East
	MOTOR GARAGE/ENGINEERS.	Demos J., 62 Pyrmont Bridge Rd Camperdown	961	1958	Premise Match	192m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Demos J., 62 Pyrmont Bridge Rd Camperdown	57554	1956	Premise Match	192m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Demos J., 62 Pyrmont Bridge Rd Camperdown	49172	1954	Premise Match	192m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Demos J., 62 Pyrmont Bridge Rd Camperdown	39918	1953	Premise Match	192m	North East
23	MOTOR GARAGES & ENGINEERS.	Auto Centre Co. Pty. Ltd., 22 Parramatta Rd Annandale	55515	1966	Premise Match	193m	South West
24	MOTOR GARAGE/ENGINEERS.	Zeidler R. L., 26-28 Parramatta Rd Stanmore	9340	1958	Premise Match	199m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Zeidler R. L., 26-28 Parramatta Rd Stanmore	61746	1956	Premise Match	199m	South West
25	MOTOR GARAGES & ENGINEERS	Coggins W. T. Pty. Ltd., 160-162 Parramatta Rd Camperdown	43541	1964	Premise Match	226m	East
	MOTOR GARAGES & ENGINEERS.	Coggins W. T. Pty. Ltd., 160-162 Parramatta Rd Camperdown	29043	1962	Premise Match	226m	East
	MOTOR GARAGES & ENGINEERS	Coggins, W. T. Pty. Ltd., 160-162 Parramatta Rd. CAMPERDOWN	346910	1961	Premise Match	226m	East
	MOTOR GARAGES & ENGINEERS	Coggins W. T. Pty. Ltd., 160-162 Parramatta Rd Camperdown	13760	1959	Premise Match	226m	East
	MOTOR GARAGES &/OR ENGINEERS.	Coggins W. T. Pty. Ltd., 160-162 Parramatta Rd., Camperdown	57455	1956	Premise Match	226m	East
	MOTOR GARAGES &/OR ENGINEERS.	Coggins W. T. Pty. Ltd., 160-162 Parramatta Rd., Camperdown	49082	1954	Premise Match	226m	East
26	MOTOR GARAGES & ENGINEERS.	Percy L. J., 42-44 Parramatta Rd Stanmore	33457	1962	Premise Match	243m	South West
	MOTOR GARAGES & ENGINEERS	Percy, L. J., 42-44 Parramatta Rd. STANMORE	347895	1961	Premise Match	243m	South West
	MOTOR GARAGES & ENGINEERS.	Percy L. J., 42-44 Parramatta Rd Stanmore	19991	1959	Premise Match	243m	South West
	MOTOR GARAGE/ENGINEERS.	Percy L. J., 42-44 Parramatta Rd Stanmore	4742	1958	Premise Match	243m	South West
	MOTOR GARAGE/ENGINEERS.	Percy's Service Station., 42-44 Parramatta Rd Stanmore	4743	1958	Premise Match	243m	South West
	MOTOR GARAGE/ENGINEERS.	Waverton Wawns Service Station., 42-44 Parramatta Rd Stanmore	9265	1958	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Percy's L. J., 42-44 Parramatta Rd Stanmore	61277	1956	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Percy's Service Station., 42-44 Parramatta Rd Stanmore	61278	1956	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Wawns Service Station., 42-44 Parramatta Rd Stanmore	61672	1956	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Percy L. J., 42-44 Parramatta Rd Stanmore	49838	1954	Premise Match	243m	South West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
26	MOTOR GARAGES &/OR ENGINEERS.	Percy's Service Station., 42-44 Parramatta Rd Stanmore	49839	1954	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Percy, L. J., 42-44 Parramatta Rd., Stanmore	40497	1953	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Percy's Service Station, 42-44 Parramatta Rd., Stanmore	40498	1953	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Percy L. J., 42-44 Parramatta Rd Stanmore	32072	1952	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Percy's Service Station., 42-44 Parramatta Rd Stanmore	32073	1952	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS	Percy, L. J., 42-44 Parramatta Rd., Stanmore	84202	1950	Premise Match	243m	South West
	MOTOR SERVICE STATIONS-PETROL, Etc.	Percy, L. S., 42-44 Parramatta Rd., Stanmore	86281	1950	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS	Percy's Service Station, 42-44 Parramatta Rd., Stanmore	84203	1950	Premise Match	243m	South West
	MOTOR SERVICE STATIONS-PETROL, Etc.	Percy's Service Station, 42-44 Parramatta Rd., Stanmore	86282	1950	Premise Match	243m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Percy's Service Station., 42-44 Parramatta Rd Stanmore	22731	1948-49	Premise Match	243m	South West
	MOTOR SERVICE STATIONS-PETROL, ETC.	Percy's Service Station., 42-44 Parramatta Rd Stanmore	26696	1948-49	Premise Match	243m	South West

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Dry Cleaners, Motor Garages & Service Stations 1948-1993 Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Note: The Universal Business Directories were published between 1948 and 1993. Dry Cleaners, Motor Garages & Service Stations have been extracted from all of these directories except the following years 1951, 1955, 1957, 1960, 1963, 1973, 1974, 1977, 1987.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
27	MOTOR GARAGES &/OR ENGINEERS.	Esso Servicenter., Parramatta Rd, Camperdown	7722	1972	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	Esso Servicenter., Parramatta Rd Camperdown	56482	1971	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter., Parramatta Rd Camperdown	47607	1969	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter., Parramatta Rd Camperdown	31029	1968	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter., Parramatta Rd Camperdown	15510	1967	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter., Parramatta Rd Camperdown	1086	1966	Road Match	0m
28	DRY CLEANERS, PRESSERS & DYERS.	Beamish., Parramatta Rd., Annandale	26963	1952	Road Match	77m

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Aerial Imagery 2020

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Scale: 0 25 50 75 100 Meters	Data Sources: Aerial Imagery © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 56	Date: 11 January 2021

Aerial Imagery 2015

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Aerial Imagery 2009

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Scale:	Data Sources: Aerial Imagery © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 56	Date: 11 January 2021

0 25 50 75 100 Meters

Aerial Imagery 2000

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 11 January 2021

Aerial Imagery 1994

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 07 January 2021
0 25 50 75 100 Meters	© NSW Department of Customer Service	GDA 1994 MGA Zone 56	

Aerial Imagery 1991

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Data Source Aerial Imagery:
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Coordinate System:
GDA 1994 MGA Zone 56

Date: 11 January 2021

Aerial Imagery 1986

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Aerial Imagery 1982

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 11 January 2021
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Aerial Imagery 1978

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Aerial Imagery 1970

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 11 January 2021
0 25 50 75 100 Meters	© NSW Department of Customer Service	GDA 1994 MGA Zone 56	

Aerial Imagery 1965

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



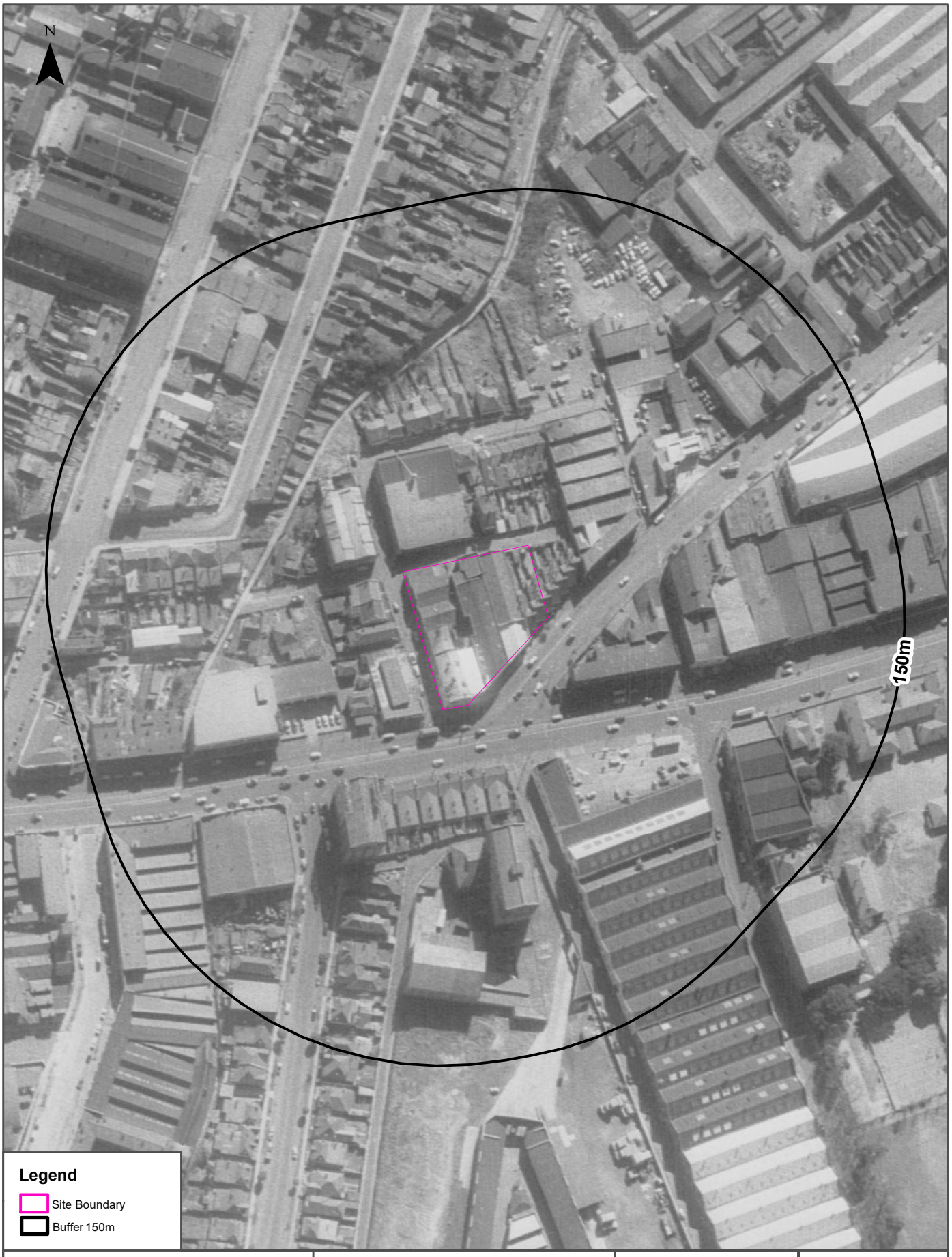
Aerial Imagery 1961

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



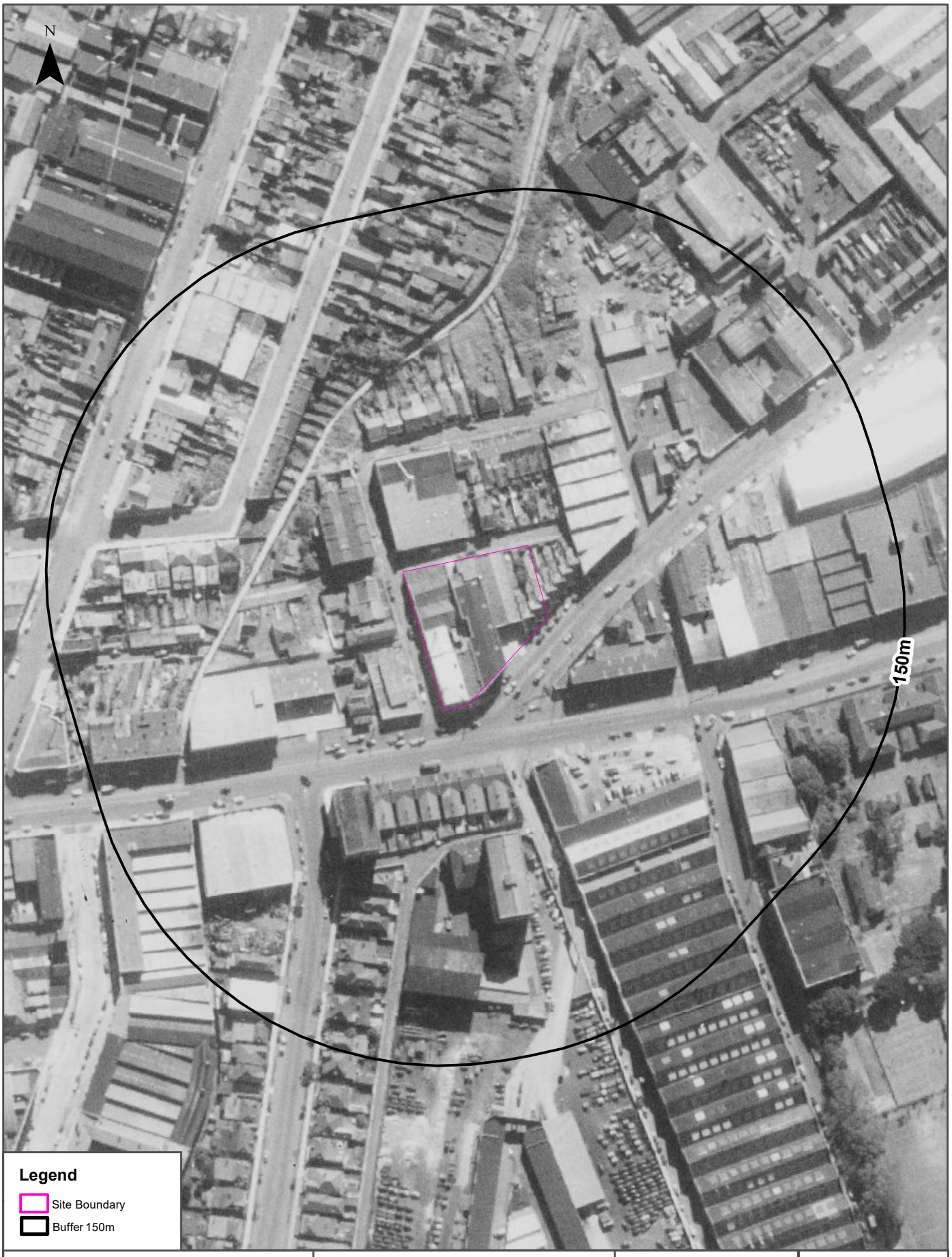
Aerial Imagery 1955

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



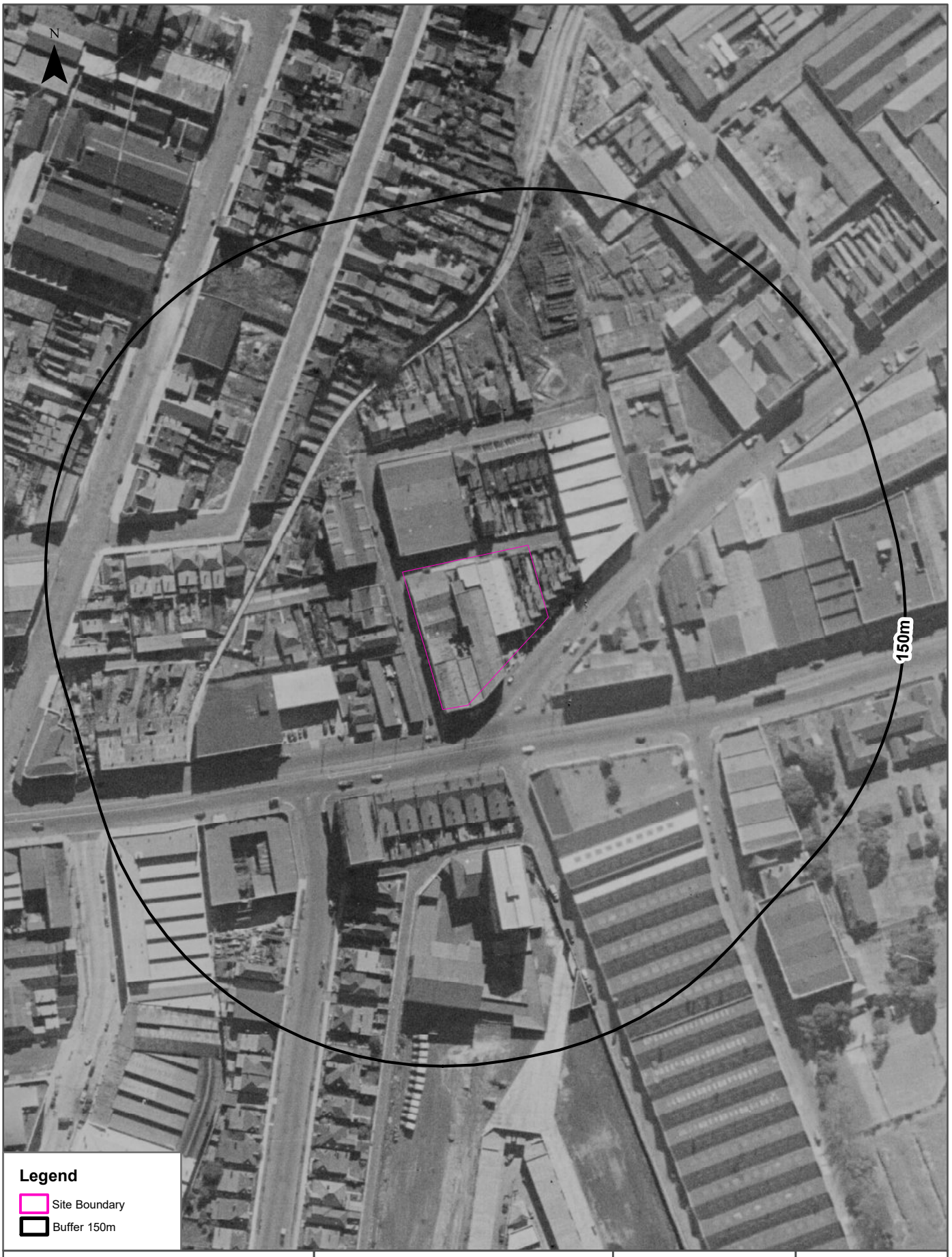
Aerial Imagery 1951

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Aerial Imagery 1943

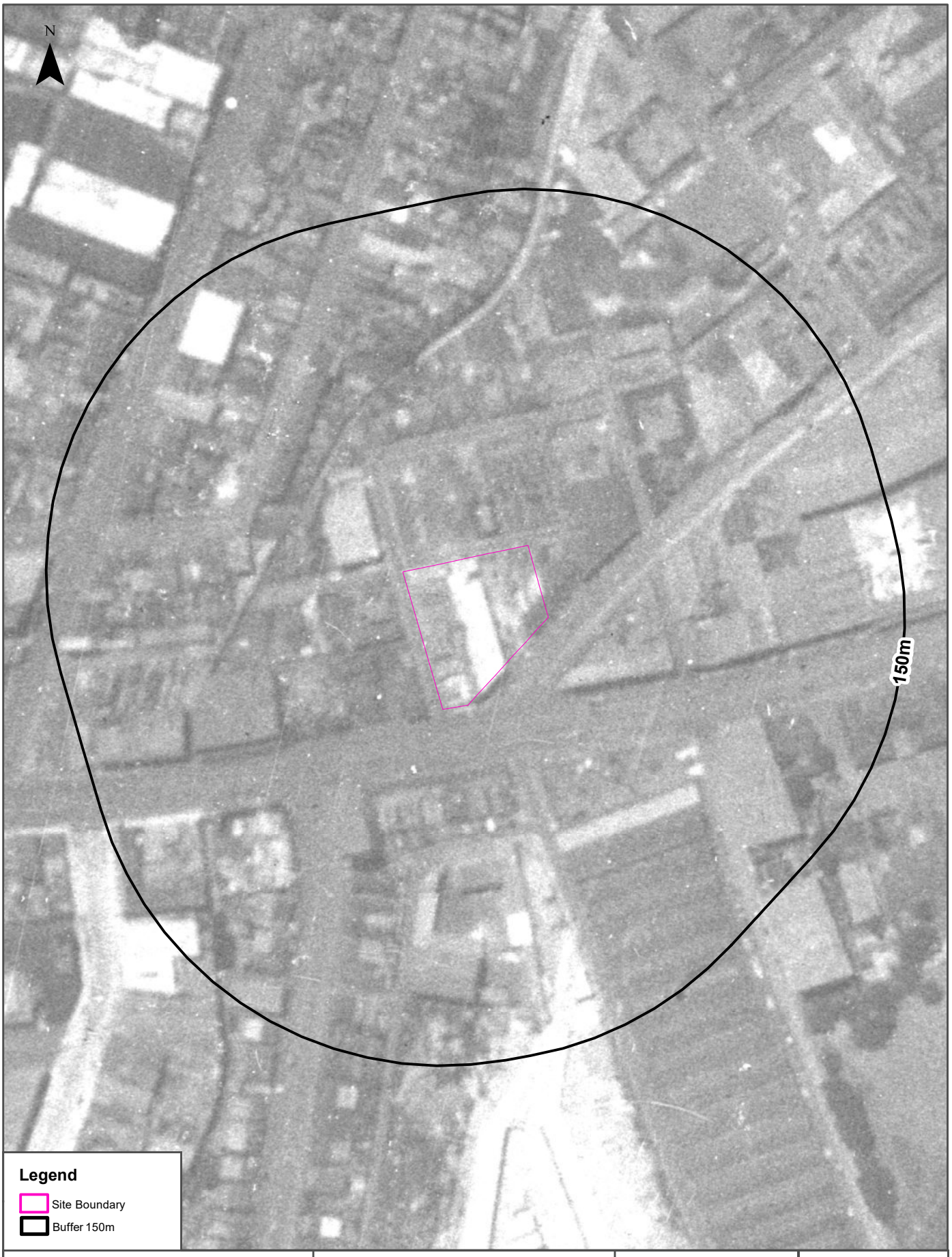
122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Scale: 0 25 50 75 100 Meters	Data Sources: Aerial Imagery © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 56	Date: 11 January 2021

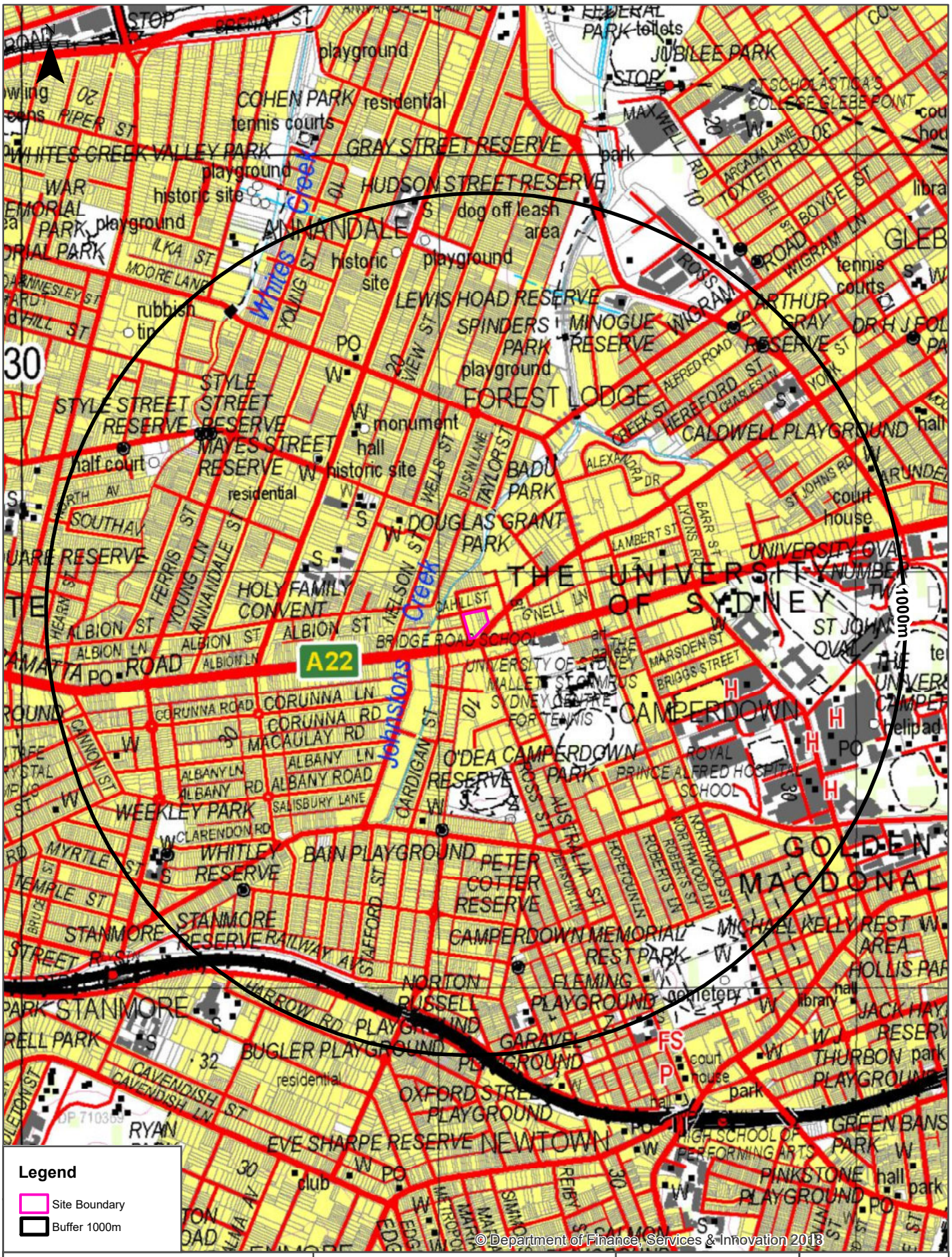
Aerial Imagery 1930

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



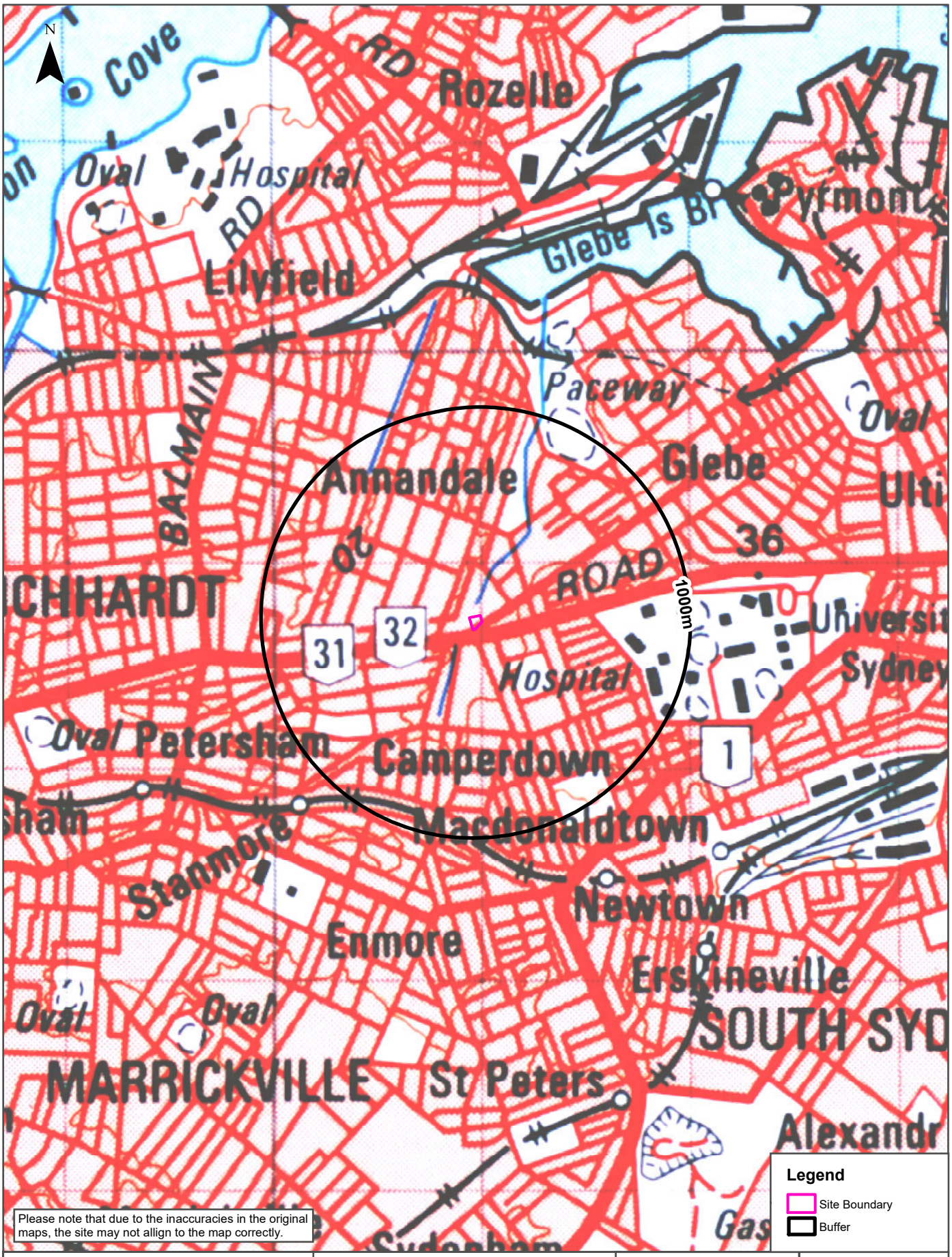
Topographic Map 2015

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



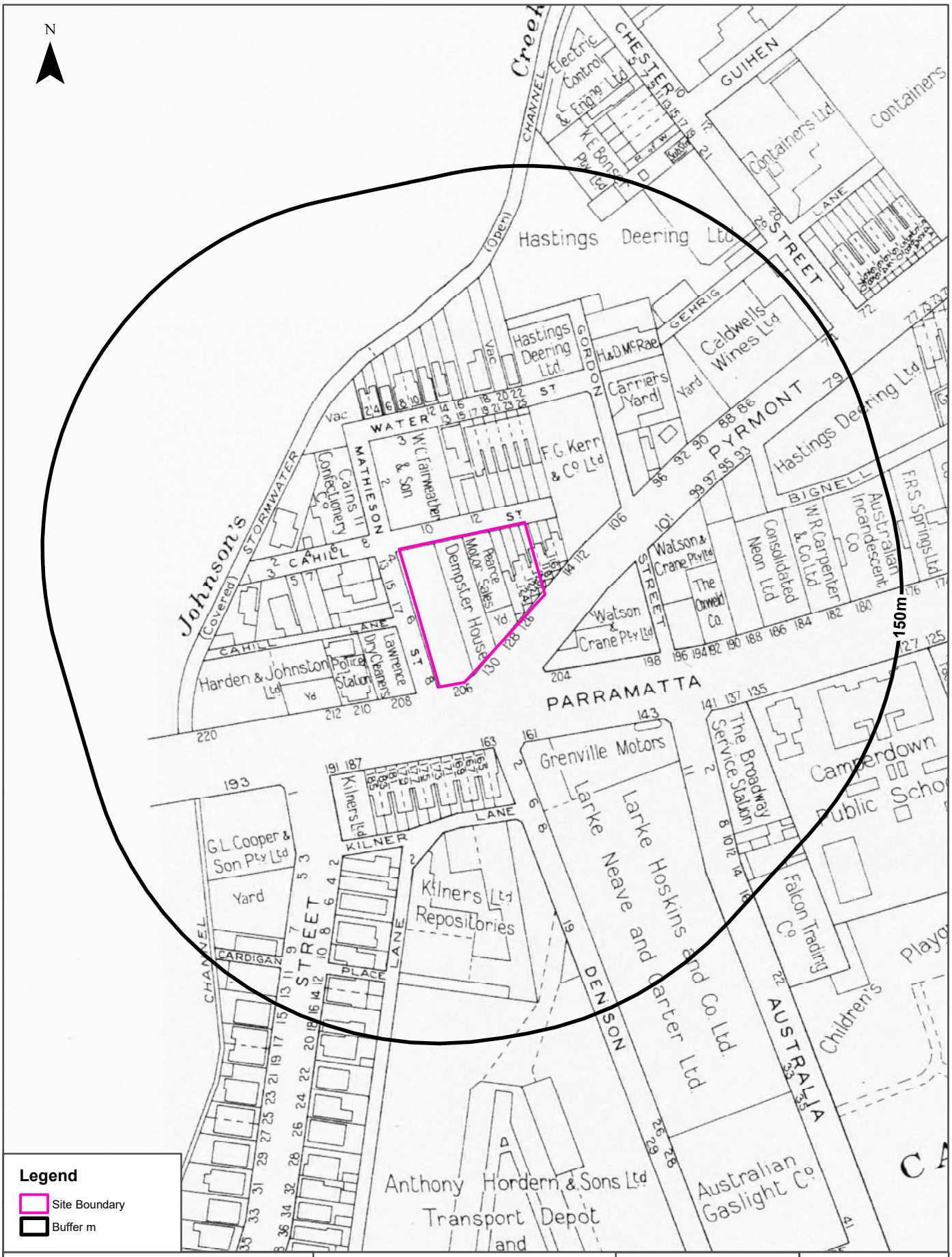
Historical Map 1975

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Historical Map 1956

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



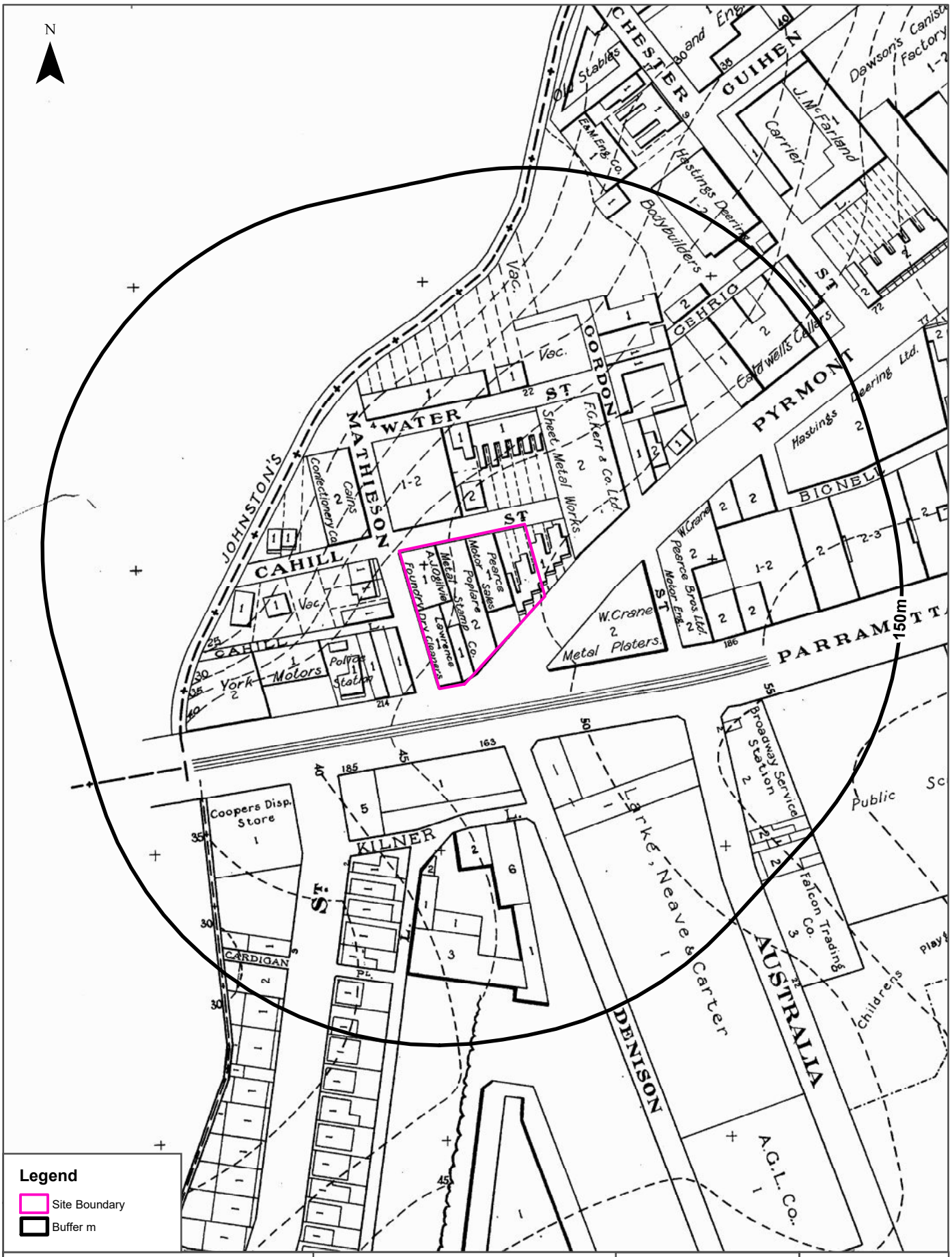
Legend

- Site Boundary
- Buffer m

Scale: 0 25 50 100 Meters	Data Sources: City Building Surveyor Sheets Building Regulation Branch - City Building Surveyor's Department, Council of the City of Sydney	Coordinate System: GDA 1994 MGA Zone 56	Date: 11 January 2021

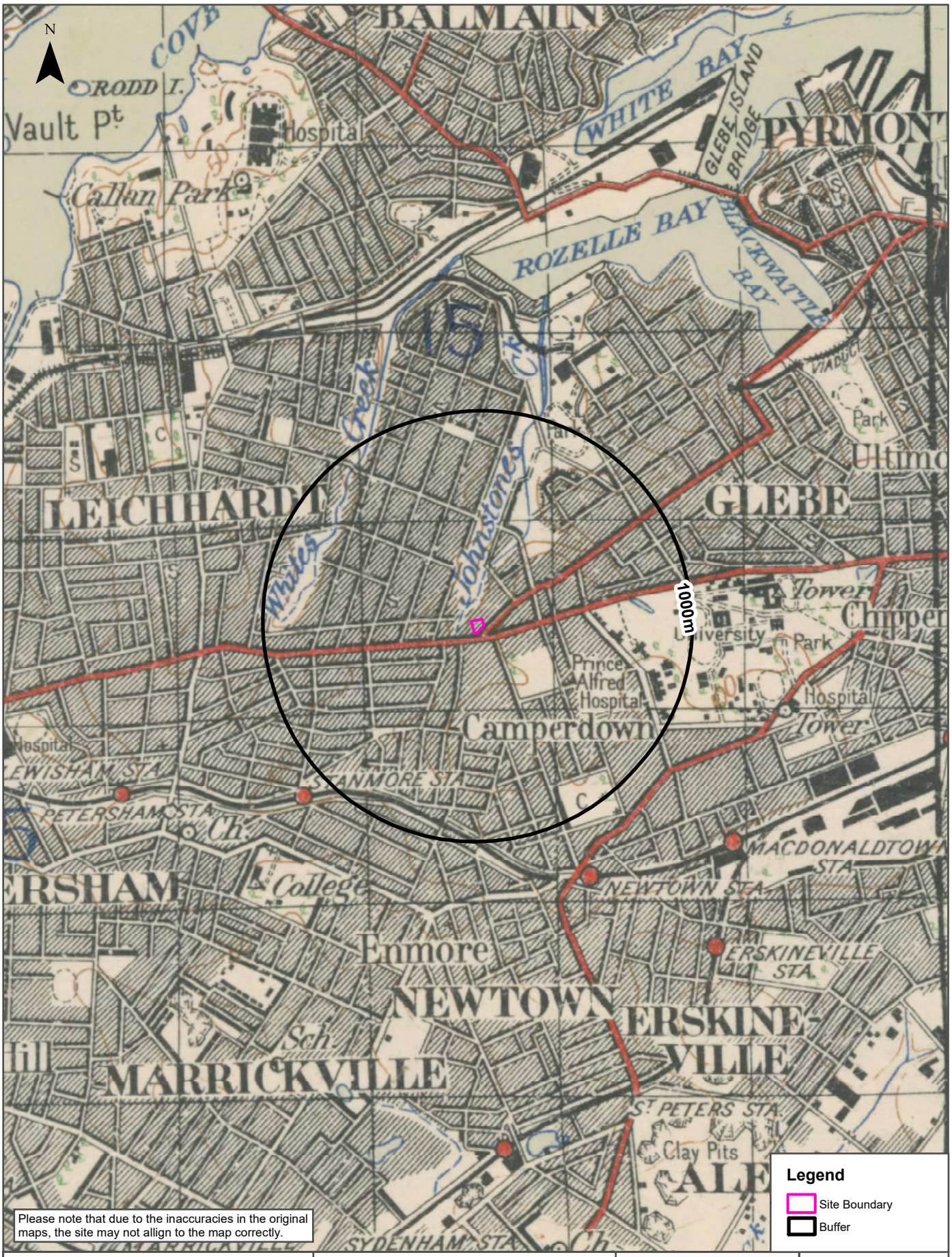
Historical Map 1938-1950

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Historical Map c.1936

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

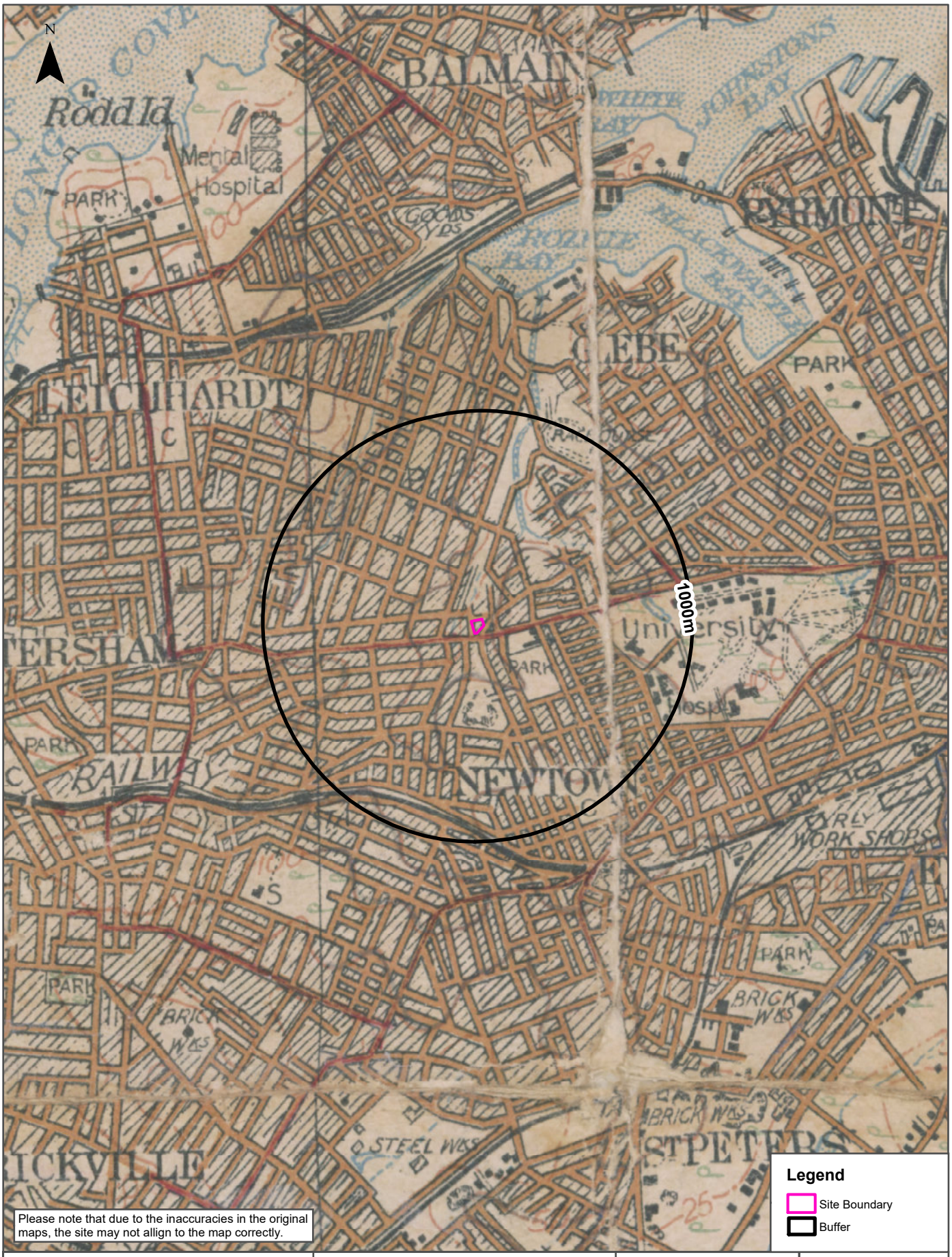


Scale:	Data Sources: Australia 1:63360, Produced by Australian Section Imperial General Staff	Coordinate System: GDA 1994 MGA Zone 56	Date: 11 January 2021

0 125 250 500 750 1,000 1,250 Meters

Historical Map c.1917

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Scale: 0 125 250 500 750 1,000 1,250 Meters

Data Sources: Australia 1:63360, Produced by Australian Section Imperial General Staff

Coordinate System: GDA 1994 MGA Zone 56

Date: 11 January 2021

Topographic Features

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Topographic Features

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
1702287	Special School	BRIDGE ROAD SCHOOL	143m	East
1702126	Park	DOUGLAS GRANT PARK	251m	North
1702198	Sports Court	BASKETBALL COURTS	254m	South East
1702306	Art Gallery	CHRISSIE COTTER GALLERY	260m	East
1702218	Sports Centre	SYDNEY CENTRE FOR TENNIS	267m	South East
1702322	Place Of Worship	BUDDHIST TEMPLE	273m	North West
1702100	Community Facility	CAMPERDOWN BOWLING AND RECREATION CLUB	275m	South East
1702238	Sports Field	BOWLING GREENS	304m	South East
1702298	Preschool	ANNANDALE PUBLIC SCHOOL PRESCHOOL	304m	North West
1702295	Primary School	ST BRENDAN'S CATHOLIC PRIMARY SCHOOL	340m	North West
1702196	Park	CAMPERDOWN PARK	356m	South East
1702188	Park	O'DEA RESERVE	373m	South
1702247	Place Of Worship	CATHOLIC CHURCH	376m	North West
1702284	Primary School	ANNANDALE PUBLIC SCHOOL	393m	West
1702329	Park	BADU PARK	397m	North
1702319	Child Care Centre	TOXTETH KINDERGARTEN	412m	North West
1747924	University	THE UNIVERSITY OF SYDNEY MALLETT ST CAMPUS	412m	South East
1747707	Community Facility	BOOLER COMMUNITY CENTRE	446m	East
1702251	Place Of Worship	UNITING CHURCH	452m	South
1702331	Nursing Home	OPAL ANNANDALE	486m	North West
1702370	Monument	VICTORY HALL ANNANDALE	505m	North West
1702119	Community Facility	ANNANDALE BACK HALL	506m	North West
1702093	Community Facility	ANNANDALE NEIGHBOURHOOD CENTRE	506m	North West
1702320	Place Of Worship	HUNTER BAILLIE MEMORIAL PRESBYTERIAN CHURCH	509m	North West
1702323	Historic Site	HUNTER BAILLIE MEMORIAL PRESBYTERIAN CHURCH	509m	North West
1702266	Park	PETER COTTER RESERVE	511m	South
1702340	Place Of Worship	UNITING CHURCH	519m	North West
1747803	Community Medical Centre	YOUTHBLOCK HEALTH AND RESOURCE BUILDING	538m	South East
1702242	Convent/Monastery	HOLY FAMILY CONVENT	554m	West
1747962	Child Care Centre	CAMPERDOWN CHILD CARE CENTRE	561m	East
1747891	Place Of Worship	CATHOLIC CHURCH	575m	East

Map Id	Feature Type	Label	Distance	Direction
1702264	Park	BAIN PLAYGROUND	599m	South West
1747994	Special School	ROYAL PRINCE ALFRED HOSPITAL SCHOOL	604m	South East
1747984	Park	CALDWELL PLAYGROUND	614m	North East
1702366	Park	PLAYGROUND	632m	North
1702059	Place Of Worship	ANGLICAN CHURCH	645m	North West
1702262	Park	WHITLEY RESERVE	650m	South West
1747762	Psychiatric Hospital	PROFESSOR MARIE BASHIR CENTRE	651m	East
1702344	Post Office	ANNANDALE POST OFFICE	669m	North West
1747989	Suburb	FOREST LODGE	683m	North East
1747807	Community Medical Centre	CAMPERDOWN EARLY CHILDHOOD HEALTH CENTRE	707m	South East
1747808	Community Medical Centre	CAMPERDOWN CHILD ADOLESCENT FAMILY HEALTH CENTRE	707m	South East
1747936	Embassy	CONSULATE-GENERAL OF THE REPUBLIC OF SLOVENIA	708m	East
1702237	Park	SPINDERS PARK	739m	North
1702328	Park	MAYES STREET RESERVE	756m	North West
1702275	Park	GEORGE SMITH PLAYGROUND	772m	South
1748030	Sports Field	ST JOHNS OVAL	776m	East
1702377	Park	STYLE STREET RESERVE	781m	North West
1702076	Park	STYLE STREET RESERVE	786m	North West
1747990	Suburb	CAMPERDOWN	787m	East
1748008	General Hospital	RPA INSTITUTE OF RHEUMATOLOGY AND ORTHOPAEDICS	791m	East
1747804	Community Medical Centre	ROYAL PRINCE ALFRED HOSPITAL KGV BUILDING	791m	East
1702372	Park	SMITH HOGAN PARK	804m	North
1747682	Community Facility	GLEBE PCYC	806m	North East
1748035	Park	LEWIS HOAD RESERVE	812m	North
1702325	Sports Court	HALF COURT	825m	North West
1702290	Post Office	WESTGATE POST OFFICE	837m	West
1748037	Park	MINOGUE RESERVE	839m	North East
1702261	Park	WEEKLEY PARK	842m	South West
1702260	Park	EVAN JONES PLAYGROUND	843m	North West
1747685	Community Facility	PAGE CHEST CLINIC	856m	South East
1747995	General Hospital	ROYAL PRINCE ALFRED HOSPITAL	863m	East
1702375	Park	HINSBY PARK	873m	North
1748009	General Hospital	LIFEHOUSE AUSTRALIA	878m	South East
1702359	Historic Site	15 JOHNSTON STREET SUBSTATION	881m	North
1702236	Park	PLAYGROUND	886m	North
1747935	Post Office	MISSENDEN ROAD POST OFFICE	890m	East
1702250	Place Of Worship	SEVENTH DAY ADVENTIST CHURCH	893m	West

Map Id	Feature Type	Label	Distance	Direction
1702349	Suburb	ANNANDALE	896m	North
1702365	Monument	ANNANDALE WAR MEMORIAL	898m	North
1702307	Place Of Worship	ST MICHAELS CATHOLIC CHURCH	902m	South West
1702367	Park	DOG OFF LEASH AREA	904m	North
1747832	Primary School	FOREST LODGE PUBLIC SCHOOL	907m	North East
1702189	Park	CAMPERDOWN MEMORIAL REST PARK	911m	South East
1702249	Place Of Worship	FOURSQUARE GOSPEL CHURCH	914m	South East
1747867	Community Facility	GLEBE MORGUE	923m	East
1702333	Combined Primary-Secondary School	THE ATHENA SCHOOL	929m	South
1747965	Court House	STATE CORONER'S COURT	931m	East
1702071	Park	ARGUIMBAU STREET PLAYGROUND	942m	North West
1702293	Primary School	ST MICHAEL'S CATHOLIC PRIMARY SCHOOL	947m	South West
1747923	University	THE UNIVERSITY OF SYDNEY CAMPERDOWN CAMPUS	957m	East
1747733	Helipad	Helipad	957m	East
1702314	Park	NORTON RUSSELL PLAYGROUND	959m	South
1702272	Park	FLEMING PLAYGROUND	970m	South
1747968	Place Of Worship	SALVATION ARMY CHURCH	986m	East
1702353	Primary School	ANNANDALE NORTH PUBLIC SCHOOL	995m	North

Topographic Data Source: © Land and Property Information (2015)
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Topographic Features

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
	No records in buffer					

Tanks (Points)

What are the Tank Points located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
	No records in buffer					

Tanks Data Source: © Land and Property Information (2015)
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Major Easements

What Major Easements exist within the dataset buffer?
Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
158250264	Primary	Right of way	3.5 Wide	123m	North
153878235	Primary	Right of way		224m	South East
179797360	Primary	Right of way	Var.	224m	West
179470178	Primary	Right of way	VAR	794m	North East
169330230	Primary	Right of way	3.05 Wide	981m	West

Easements Data Source: © Land and Property Information (2015)
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Topographic Features

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

State Forest

What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
N/A	No records in buffer		

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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National Parks and Wildlife Service Reserves

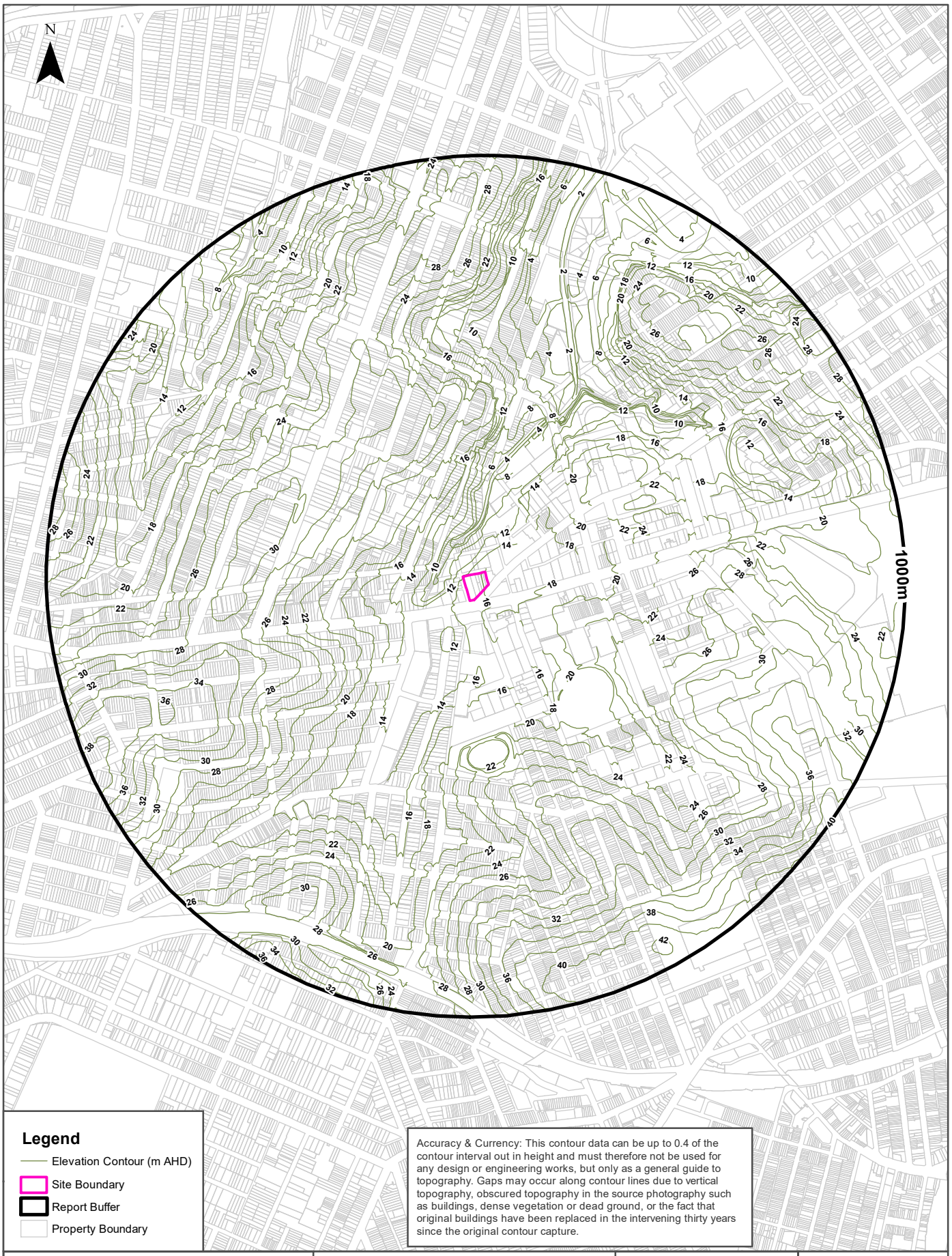
What NPWS Reserves exist within the dataset buffer?

Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N/A	No records in buffer				

NPWS Data Source: © NSW Department of Finance, Services & Innovation (2018)
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Elevation Contours (m AHD)

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Hydrogeology & Groundwater

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Hydrogeology

Description of aquifers on-site:

Description
Porous, extensive highly productive aquifers

Description of aquifers within the dataset buffer:

Description
Porous, extensive highly productive aquifers

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

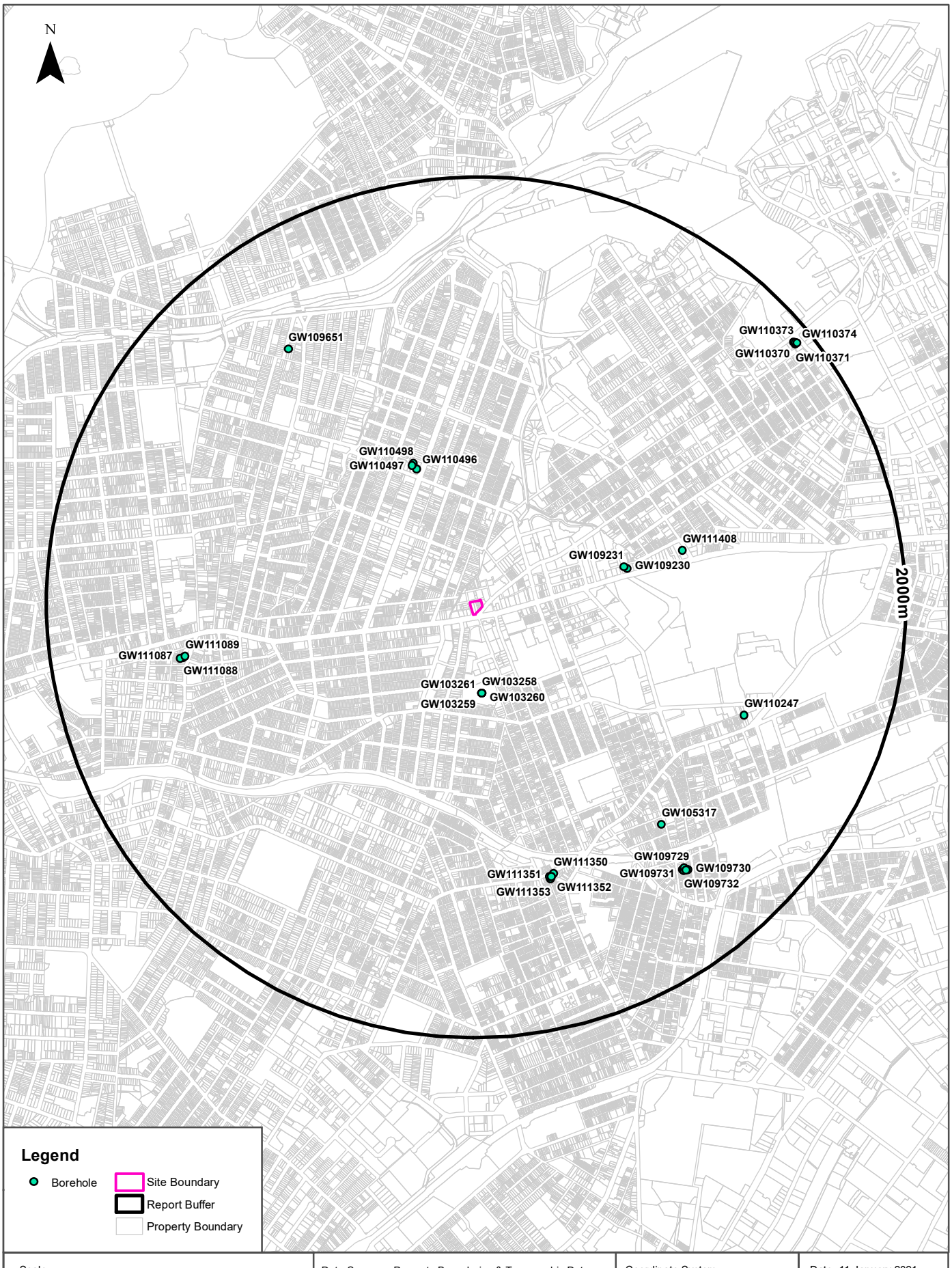
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

Prohibition Area No.	Prohibition	Distance	Direction
N/A	No records in buffer		

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018 Data Source : NSW Department of Primary Industries

Groundwater Boreholes

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Hydrogeology & Groundwater

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Groundwater Boreholes

Boreholes within the dataset buffer:

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m bgl)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW103258	10BL159644	Bore	Local Govt	Monitoring Bore	Monitoring Bore		18/01/2000	7.00	7.00	795				375m	South
GW103261	10BL159644	Bore	Local Govt	Monitoring Bore	Monitoring Bore		20/01/2000	7.40	7.40	972				375m	South
GW103260	10BL159644	Bore	Local Govt	Monitoring Bore	Monitoring Bore		18/01/2000	10.70	10.70					375m	South
GW103259	10BL159644	Bore	Local Govt	Monitoring Bore	Monitoring Bore		11/12/2000	2.50	2.50					375m	South
GW110496	10BL603107	Well	Private	Monitoring Bore	Monitoring Bore		16/06/2009	4.00	4.00		1.75			678m	North West
GW109231	10BL602551	Bore	Private	Monitoring Bore	Monitoring Bore		18/08/2008	3.20						693m	East
GW110497	10BL603107	Well	Private	Monitoring Bore	Monitoring Bore		17/06/2009	4.00	4.00		2.40			701m	North West
GW109230	10BL602551	Bore	Private	Monitoring Bore	Monitoring Bore		18/08/2008	1.80						705m	East
GW110498	10BL603107	Well	Private	Monitoring Bore	Monitoring Bore		17/06/2009	4.00	4.00		2.30			708m	North West
GW111408	10BL604530	Bore	Private	Monitoring Bore	Monitoring Bore		05/02/2011	4.40	4.40		2.07			983m	East
GW111350	10BL602389	Well	Private	Monitoring Bore	Monitoring Bore		23/10/2007	7.50	7.50					1282m	South
GW111351	10BL602389	Well	Private	Monitoring Bore	Monitoring Bore		23/10/2007	9.00	9.00					1289m	South
GW111352	10BL602389	Well	Private	Monitoring Bore	Monitoring Bore		24/10/2007	8.00	8.00		7.70			1292m	South
GW111353	10BL602389	Well	Private	Monitoring Bore	Monitoring Bore		24/10/2007	7.00	7.00		2.50			1300m	South
GW105317	10BL161846	Bore		Monitoring Bore	Monitoring Bore		21/03/2003	6.50	6.50		1.70			1328m	South East
GW110247	10BL603148, 10WA109284	Bore	Private	Domestic	Domestic		16/07/2009	210.00	210.00	4400	31.00	0.130		1341m	East
GW111089	10BL601754	Bore	Private	Monitoring Bore	Monitoring Bore		03/05/2007	9.00	9.00					1367m	West
GW111088	10BL601754	Bore	Private	Monitoring Bore	Monitoring Bore		03/05/2007	9.00	9.00					1377m	West
GW111087	10BL601754	Bore	Private	Monitoring Bore	Monitoring Bore		03/05/2007	8.70	8.70					1390m	West
GW109651	10BL602525	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/2008	2.50	2.55	690	0.42	0.500		1470m	North West
GW109729	10BL162346	Bore	Private	Monitoring Bore	Monitoring Bore		02/09/2003	6.00	6.00	1000	1.40			1555m	South East
GW109731	10BL162346	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2003	6.00	6.00	1000	1.10			1555m	South East
GW109732	10BL162346	Bore	Private	Monitoring Bore	Monitoring Bore		02/09/2003	4.30	4.30	1000	1.50			1562m	South East
GW109733	10BL162346	Bore	Private	Monitoring Bore	Monitoring Bore		05/09/2003	2.40	2.40	1000	1.40			1567m	South East
GW109730	10BL162346	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2003	6.50	6.50	1000	1.00			1570m	South East
GW110371	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00		0.70			1915m	North East

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m bgl)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW110373	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00		0.60			1916m	North East
GW110370	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00		0.60			1921m	North East
GW110374	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00					1924m	North East
GW110372	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00		0.60			1925m	North East

Borehole Data Source : NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corporation for all bores prefixed with GW. All other bores © Commonwealth of Australia (Bureau of Meteorology) 2015. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Hydrogeology & Groundwater

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Driller's Logs

Drill log data relevant to the boreholes within the dataset buffer:

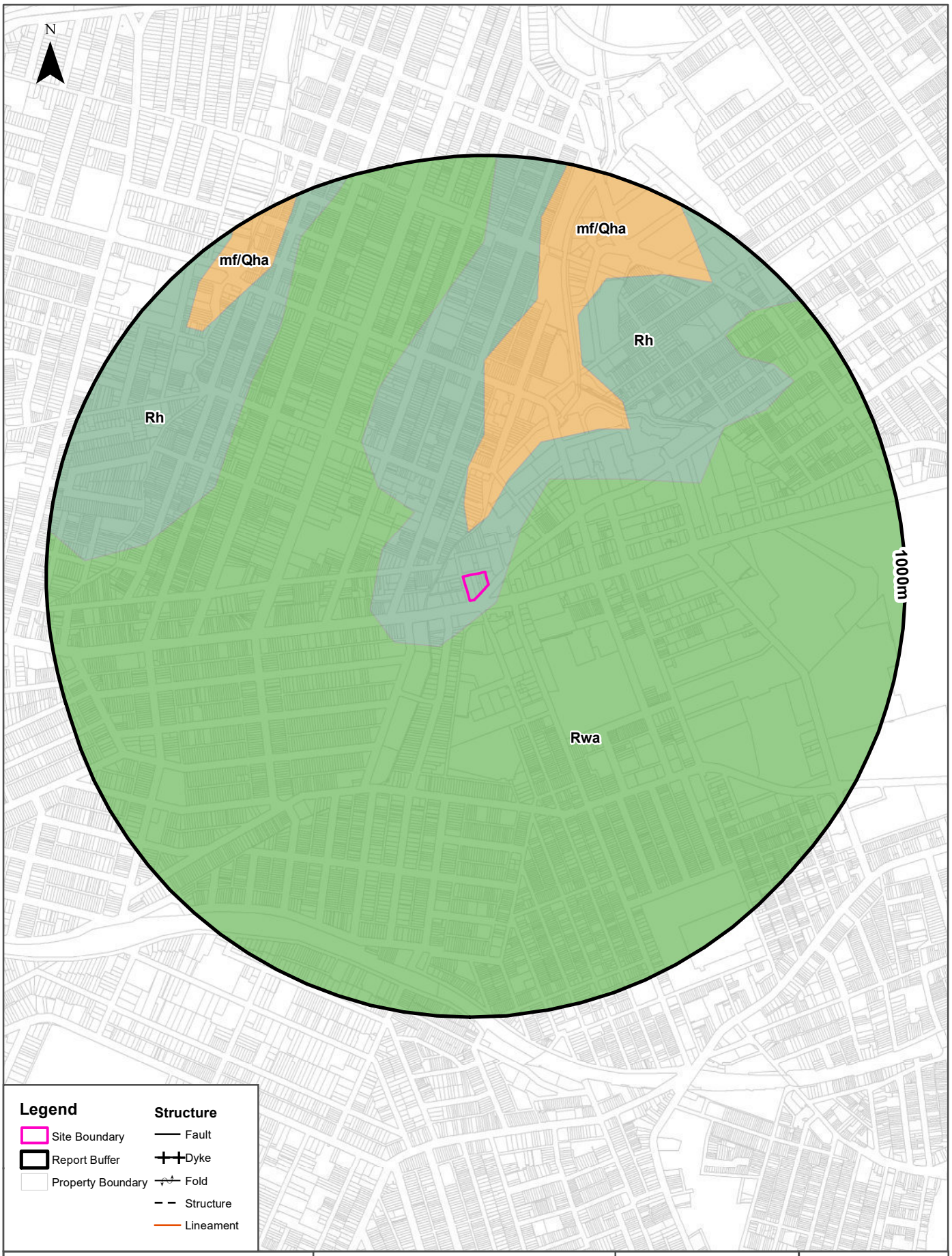
Groundwater No	Drillers Log	Distance	Direction
GW103258	0.00m-6.20m FILL 6.20m-7.00m SHALE	375m	South
GW103260	0.00m-8.70m FILL 8.70m-10.20m SHALE	375m	South
GW103261	0.00m-7.40m FILL	375m	South
GW110496	0.00m-0.15m CONCRETE 0.15m-0.90m FILL,SAND 0.90m-1.75m CLAY WITH SOME SILT 1.75m-4.00m BEDROCK WEATHERED,SANDSTONE,FINE GRAINED	678m	North West
GW110497	0.00m-0.10m CONCRETE 0.10m-0.35m FILL,SAND,FINE GRINED,L/BROWN 0.35m-1.50m FILL,COBBLY SAND,FINE TO COARSE GRAINED 1.50m-2.70m CLAY, LOW PLASTICITY 2.70m-4.00m WEATHERED BEDROCK,SANDSTONE GREY/BROWN	701m	North West
GW110498	0.00m-0.20m CONCRETE 0.20m-0.80m FILL,SAND,WITH COBBLES AND BRICKS 0.80m-1.70m FILL,CRUSHED SANDSTONE 1.70m-3.30m CLAY,L/PLASTICITY,BROWN AND GREY 3.30m-4.00m WEATHERED BEDROCK,SANDSTONE,GREY	708m	North West
GW111408	0.00m-0.22m CONCRETE SLAB 0.22m-0.50m GRAVEL ROADBASE 0.50m-1.10m FILLING,GREY BROWN AND GREY,SILTY CLAY 1.10m-4.40m CLAY,GREY,SILTY WITH TRACE OF IRONSTONE,GRAVEL,DAMP	983m	East
GW111350	0.00m-0.10m CONCRETE 0.10m-0.50m SAND FINE TO MEDIUM 0.50m-3.00m CLAY BROWN MOTTLED 3.00m-4.00m SHALE,WEATHERED,DRY,FIRM 4.00m-5.00m SHALE EXTREM.WEATHERED,GREY 5.00m-7.50m SHALE, WEATHERED,.GREY,RED COLOURED	1282m	South
GW111351	0.00m-0.10m CONCRETE 0.10m-3.50m CLAY MOTTLED WITH GREY,BRICK RED COLOURED 3.50m-7.50m SHALE GREY,LIGHT BROWN,SEMI WEATHERED 7.50m-9.00m SHALE,HIGHLY WEATHERED,CLAYEY,DARK BROWN	1289m	South
GW111352	0.00m-0.10m CONCRETE 0.10m-4.00m CLAY,BRICKS,GRAVELS,FINE SAND,SHALE 4.00m-8.00m SHALE,DARK BROWN,WEATHERED,MOIST	1292m	South
GW111353	0.00m-0.10m CONCRETE 0.10m-4.00m CLAY,BROWN,RED,GREY,HARD, MOIST 4.00m-7.00m SHALE,GREY ,DARK BROWN,WEATHERED,NO COLOUR	1300m	South
GW105317	0.00m-1.10m FILL,SILTY, SANDY CLAY 1.10m-6.50m SILTY CLAY,HIGH PLASTICITY	1328m	South East
GW110247	0.00m-2.00m CLAY BROWN 2.00m-4.50m CLAY GREY 4.50m-22.00m SHALE GREY 22.00m-23.00m SHALE SOFT 23.00m-33.00m SHALE HARD 33.00m-74.00m SANDSTONE GREY 74.00m-76.00m SANDSTONE AND QUARTZ FINE 76.00m-134.00m SANDSTONE GREY 134.00m-135.50m SANDSTONE QUARTZ FINE 135.50m-153.50m SANDSTONE GREY 153.50m-154.00m SANDSTONE QUARTZ FINE 154.00m-168.00m SANDSTONE GREY 168.00m-170.00m SANDSTONE SHALE BEDDING 170.00m-188.00m SANDSTONE GREY 188.00m-188.50m SANDSTONE QUARTZ 188.50m-210.00m SANDSTONE GREY	1341m	East

Groundwater No	Drillers Log	Distance	Direction
GW111089	0.00m-0.20m CONCRETE 0.20m-0.30m FILL,SANDY CLAY BROWN 0.30m-1.20m CLAY,DENSE,PLASTIC,ORANGE 1.20m-9.00m SILT CLAYEY,RED AND GREY,DRY,SILTSTONE FRAGS.	1367m	West
GW111088	0.00m-0.15m CONCRETE 0.15m-1.50m CLAY,DENSE,PLASTIC,TAN,ORANGE,RED,STIFF 1.50m-9.00m SILT CLAYEY,GREY AND RED,LOOSE,DRY,MOIST	1377m	West
GW111087	0.00m-0.15m CONCRETE 0.15m-1.50m CLAY, DENSE PLASTIC,TAN AND RED 1.50m-8.70m SILT,CLAYEY,GREY BROWN,MOIST,WET	1390m	West
GW109651	0.00m-1.00m FILL.YELLOW ORANGE,SANDSTONE 1.00m-1.70m CLAY,YELLOW,WEATHERED,MED.PLASTICITY 1.70m-2.20m SHALE,RED GREY,WEATHERED,DRY 2.20m-2.55m SANDSTONE L/GREY,HIGHLY WEATHERED	1470m	North West
GW109729	0.00m-0.20m PAVERS,CONCRETE 0.20m-0.70m FILL,CLAY,SILTY SOIL, BROWN,BLACK,HARD IN GROUND,DRY,NO ODOUR 0.70m-1.80m CLAY,TIGHT,LIGHT BROWN,HIGH PLASTICITY,DRY,NO ODOUR 1.80m-3.00m CLAY,RED COLOUR,NO ODOUR,DRY 3.00m-4.00m CLAY,NO ODOUR,DRY 4.00m-6.00m CLAY,VERY HOMOGENEOUS	1555m	South East
GW109731	0.00m-0.50m TOPSOIL,BROWN,DRY,HETEROGENOUS 0.50m-1.00m FILL.SLAG,BLACK,RESIDUAL WHITE CLAY. 1.00m-1.50m CLAY,BROWN,RED,STIFF,NON PLASTIC,DAMP 1.50m-2.00m CLAY, RED/BROWN,STIFF,;NON PLASTIC 2.00m-2.50m CLAY,RED/GREY,STIFF,PLASTIC, DAMP 2.50m-3.00m CLAY,RED/GREY,STIFF,NON PLASTIC 3.00m-4.00m CLAY,RED/GREY,STIFF,NON PLASTIC 4.00m-5.00m CLAY,RED/GREY,STIFF,ON PLASTIC 5.00m-5.50m CLAY,VERY STIFF,NON PLASTIC. 5.50m-6.00m CLAY,BROWN,LOOSE,SOFT,MOIST	1555m	South East
GW109732	0.00m-0.10m TOPSOIL,SILTY,BLACK,LOOSE,FINE GRAIN,DRY,NO ODOUR 0.10m-1.20m CLAY,LIGHT BROWN,STICKY,STIFF,HIGH PLASTICITY,NO ODOUR 1.20m-2.00m CLAY,RED,ORANGE,STIFF,MODERATE PLASTICITY,DRY,NO ODOUR 2.00m-3.30m CLAY BECOMING LESS PLASTIC,BRITTLE AND DRY WITH DEPTH 3.30m-4.30m CLAY,GREY,WITH IRONSTONE BANDS, SOFT, STIFF,HIGH PLASTICITY,GREY CLAY	1562m	South East
GW109733	0.00m-0.80m FILL,CLAY,SILTY SOIL,CEMENT,GRAVELS,HARD IN GROUND,DRY,NO ODOUR 0.80m-1.50m CLAY,BLACK/GREY SMEARING AND STAINING IN SOIL,HIGH PLASTICITY 1.50m-2.00m CLAY,NATURAL RED COLOURING BECOMING APPARAENT IN SOIL,DRY 2.00m-2.40m CLAY,RED SOIL COLOURING,NO ODOUR	1567m	South East
GW109730	0.00m-0.50m TOPSOIL 0.50m-1.00m CLAY ORANGE,MOIST,FIRM, MODERATE PLASTICITY 1.00m-1.50m CLAY,ORANGE/GREY,VERY STIFF,MODERATE PLASTICITY 1.50m-2.00m CLAY,ORANGE/GREY,VERY STIFF,MODERATE PLASTICITY 2.00m-3.00m CLAY,GREY,RED,VRY STIFF,NON PLASTIC,DAMP 3.00m-4.00m CLAY,GREY,RED,VRY STIFF,NON PLASTIC 4.00m-4.50m CLAY,GREY/RED,SOME GRAVEL,NON PLASTIC,DAMP 4.50m-5.00m CLAY,WATER AT4.5m 5.00m-5.50m CLAY,GRAVELLY,GREY/RED,WET,NON PLASTIC,HETEROGENOUS,STIFF 5.50m-6.50m CLAY,BROWN,GREY,WET,HOMOGENOUS	1570m	South East
GW110371	0.00m-2.50m FILL,SANDY CLAY 2.50m-3.10m SILT,SATURATED BLACK 3.10m-4.00m SILTY SAND	1915m	North East
GW110373	0.00m-1.60m FILL,SANDY CLAY 1.60m-3.40m SILT,SATURATED BLACK 3.40m-3.70m SILTY SAND 3.70m-4.00m SANDY CLAY	1916m	North East
GW110370	0.00m-2.10m FILL,SANDY CLAY 2.10m-3.30m SILT,BLACK 3.30m-3.50m SAND CLAYEY 3.50m-4.00m CLAY SANDY	1921m	North East
GW110374	0.00m-0.80m SILTY SAND WITH MINOR CLAY 0.80m-2.80m CLAYEY SAND,WITH MINOR GRAVEL 2.80m-4.00m SANDY CLAY WITH MINOR SHELLS	1924m	North East
GW110372	0.00m-2.20m FILL,SILTY CLAY 2.20m-2.70m SANDY CLAY 2.70m-3.30m SILT,SOFT BLACK 3.30m-4.00m SILTY SAND	1925m	North East

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp
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Geology 1:100,000

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Geology

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Geological Units

What are the Geological Units onsite?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Rh	Medium to coarse grained quartz sandstone, very minor shale and laminate lenses				Triassic		Sydney	1:100,000

What are the Geological Units within the dataset buffer?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
mf/Qha	Man-made fill (dredged estuarine sand and mud, demolition rubble, industrial and household waste) overlying silty to peaty quartz sand, silt and clay with ferruginous & humic cementation in places and common shell layers				Quaternary		Sydney	1:100,000
Rh	Medium to coarse grained quartz sandstone, very minor shale and laminate lenses				Triassic		Sydney	1:100,000
Rwa	Black to dark grey shale and laminate	Ashfield Shale	Wianamatta Group		Triassic		Sydney	1:100,000

Geological Structures

What are the Geological Structures onsite?

Feature	Name	Description	Map Sheet	Dataset
No features				1:100,000

What are the Geological Structures within the dataset buffer?

Feature	Name	Description	Map Sheet	Dataset
No features				1:100,000

Geological Data Source : NSW Department of Industry, Resources & Energy
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Naturally Occurring Asbestos Potential

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Naturally Occurring Asbestos Potential

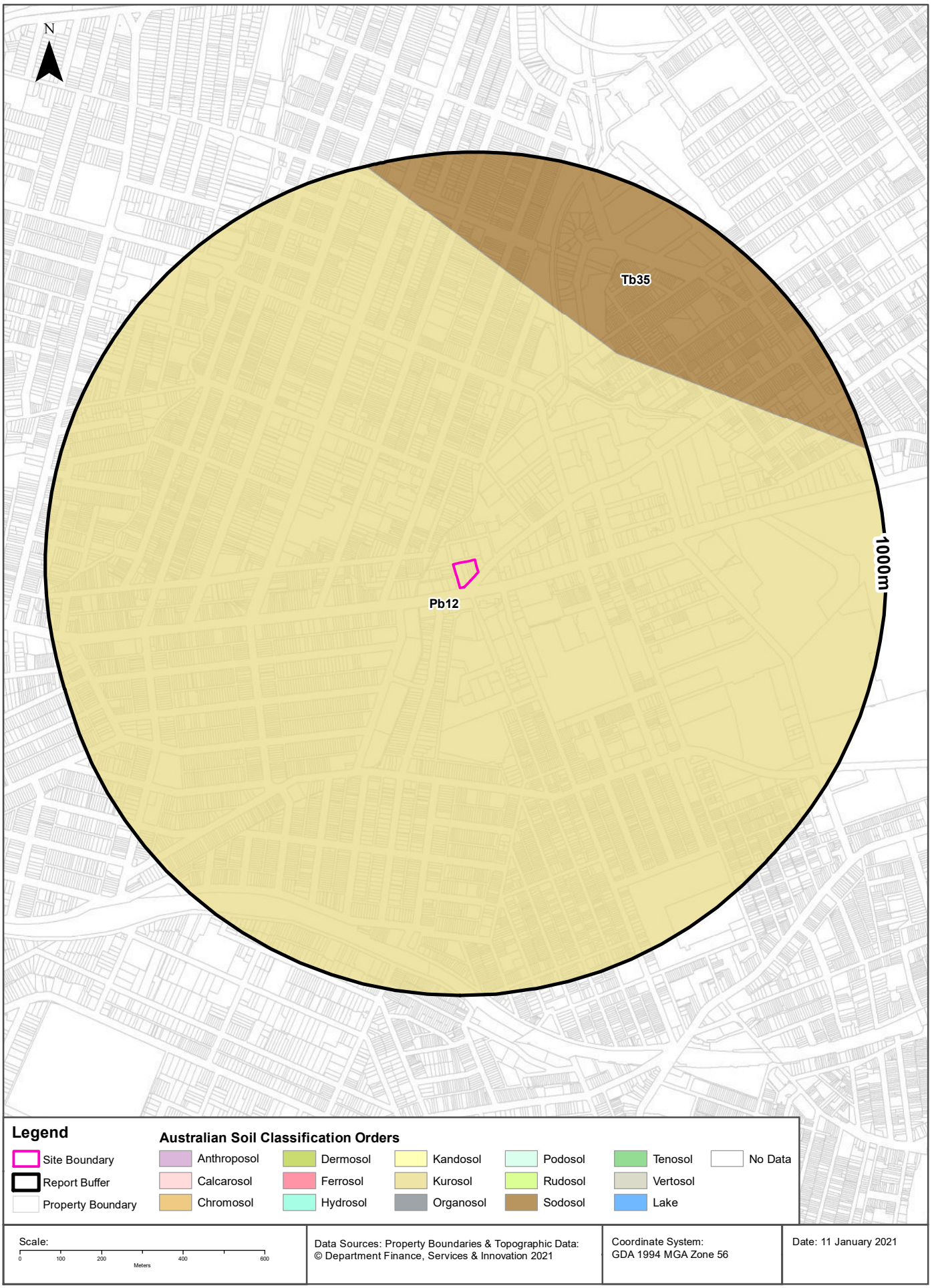
Naturally Occurring Asbestos Potential within the dataset buffer:

Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Mining Subsidence District Data Source: © State of New South Wales through NSW Department of Industry, Resources & Energy

Atlas of Australian Soils

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Soils

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Atlas of Australian Soils

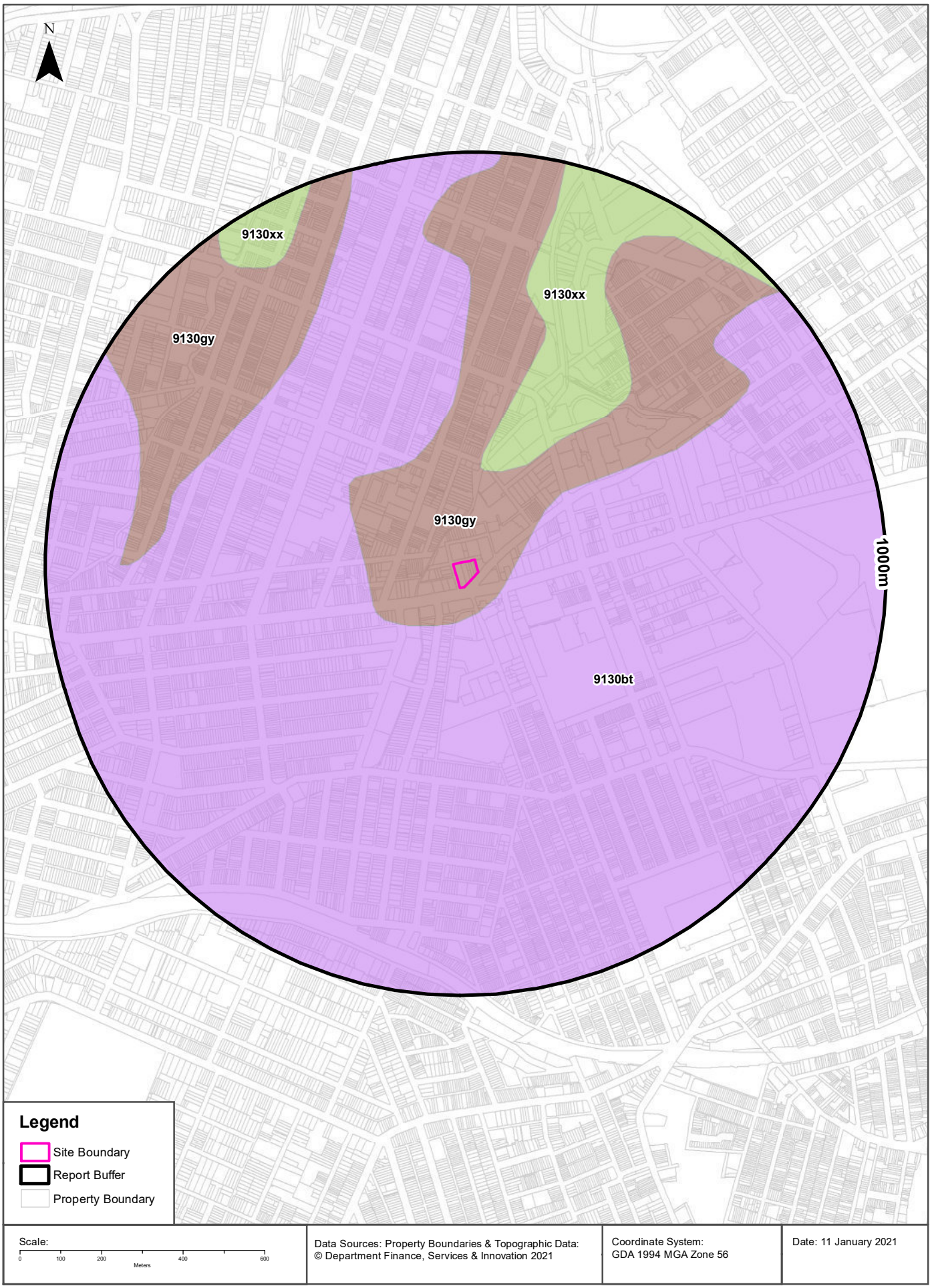
Soil mapping units and Australian Soil Classification orders within the dataset buffer:

Map Unit Code	Soil Order	Map Unit Description	Distance
Pb12	Kurosol	Gently rolling to rounded hilly country with some steep slopes and broad valleys: chief soils are hard acidic red soils (Dr2.21) with hard neutral and acidic yellow mottled soils (Dy3.42 and Dy3.41) on lower slopes and in valleys. Associated are small areas of various soils including (Gn3.54) on some ridges, (Dr3.31) on some slopes; (Dr2.23) in saddles and some mid-slope positions, and some low- lying swampy areas of (Uf6) soils and (Uc1.2) soils with peaty surfaces. Small areas of other soils such as (Db1.2) are likely throughout.	0m
Tb35	Sodosol	Dissected plateau remnants--flat to undulating ridge tops with moderate to steep side slopes: chief soils are hard acidic yellow and yellow mottled soils (Dy3.41), (Dy2.21), and (Dy2.41) and hard acidic red soils (Dr2.21); many shallow profiles occur and profile thickness varies considerably over short distances. Associated are: (Gn3.54), (Gn3.14), and possibly other (Gn3) soils; (Db1.2) soils on some ridges; (Dy5.81) soils in areas transitional to unit Mb2; soils common to unit Mb2; and eroded lateritic remnants. Small areas of other soils are likely. Flat ferruginous shale or sandstone fragments are common on and/or in and/or below the soils of this unit.	614m

Atlas of Australian Soils Data Source: CSIRO
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Soil Landscapes of Central and Eastern NSW

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Soils

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Soil Landscapes of Central and Eastern NSW

What are the on-site Soil Landscapes?

Soil Code	Name
9130gy	Gymea

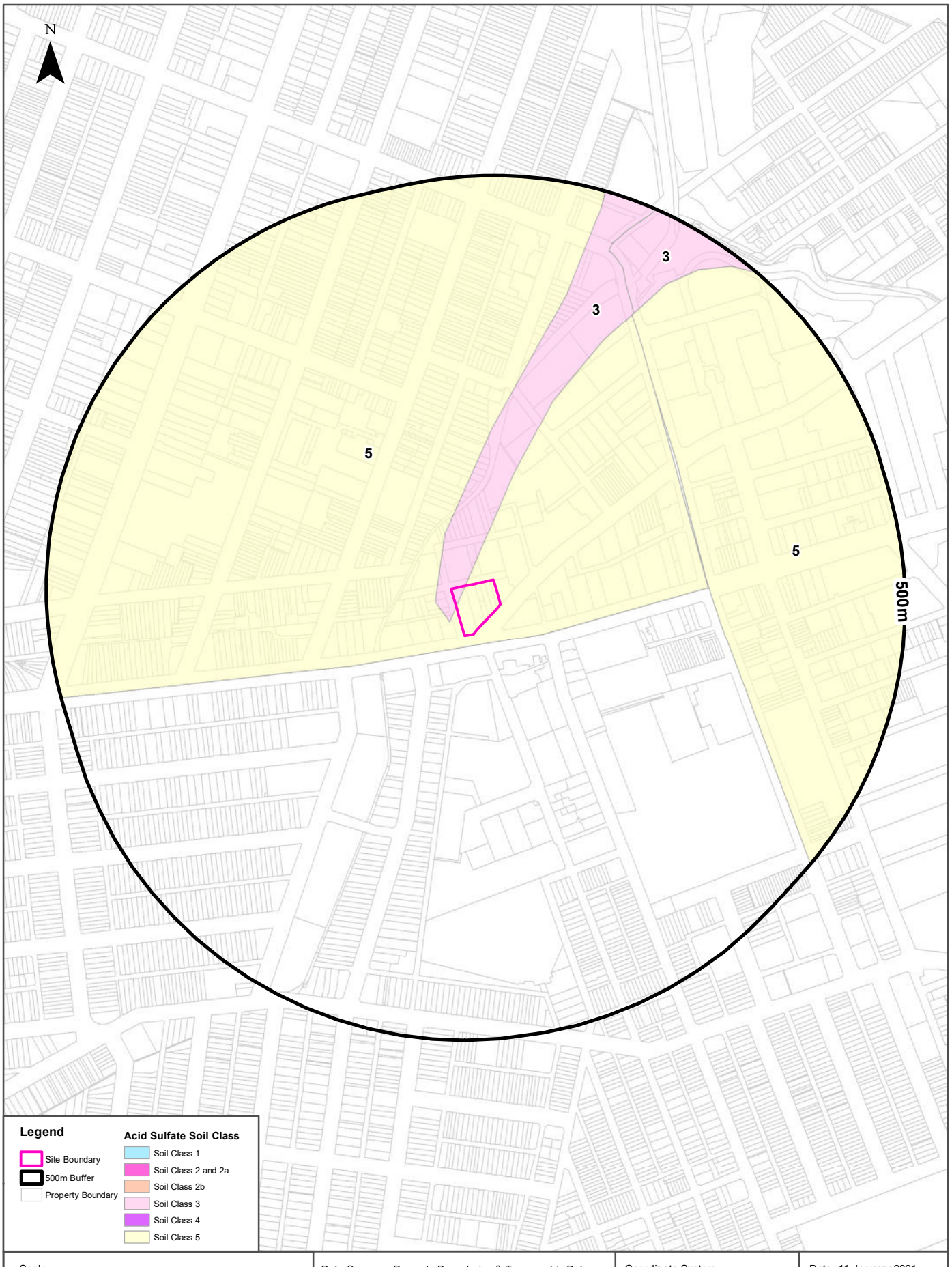
What are the Soil Landscapes within the dataset buffer?

Soil Code	Name
9130bt	Blacktown
9130gy	Gymea
9130xx	Disturbed Terrain

Soil Landscapes of Central and Eastern NSW: NSW Department of Planning, Industry and Environment
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Acid Sulfate Soils

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Acid Sulfate Soils

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Environmental Planning Instrument - Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

Soil Class	Description	EPI Name
3	Works more than 1 metre below natural ground surface present an environmental risk; Works by which the watertable is likely to be lowered more than 1 metre below natural ground surface, present an environmental risk	Leichhardt Local Environmental Plan 2013

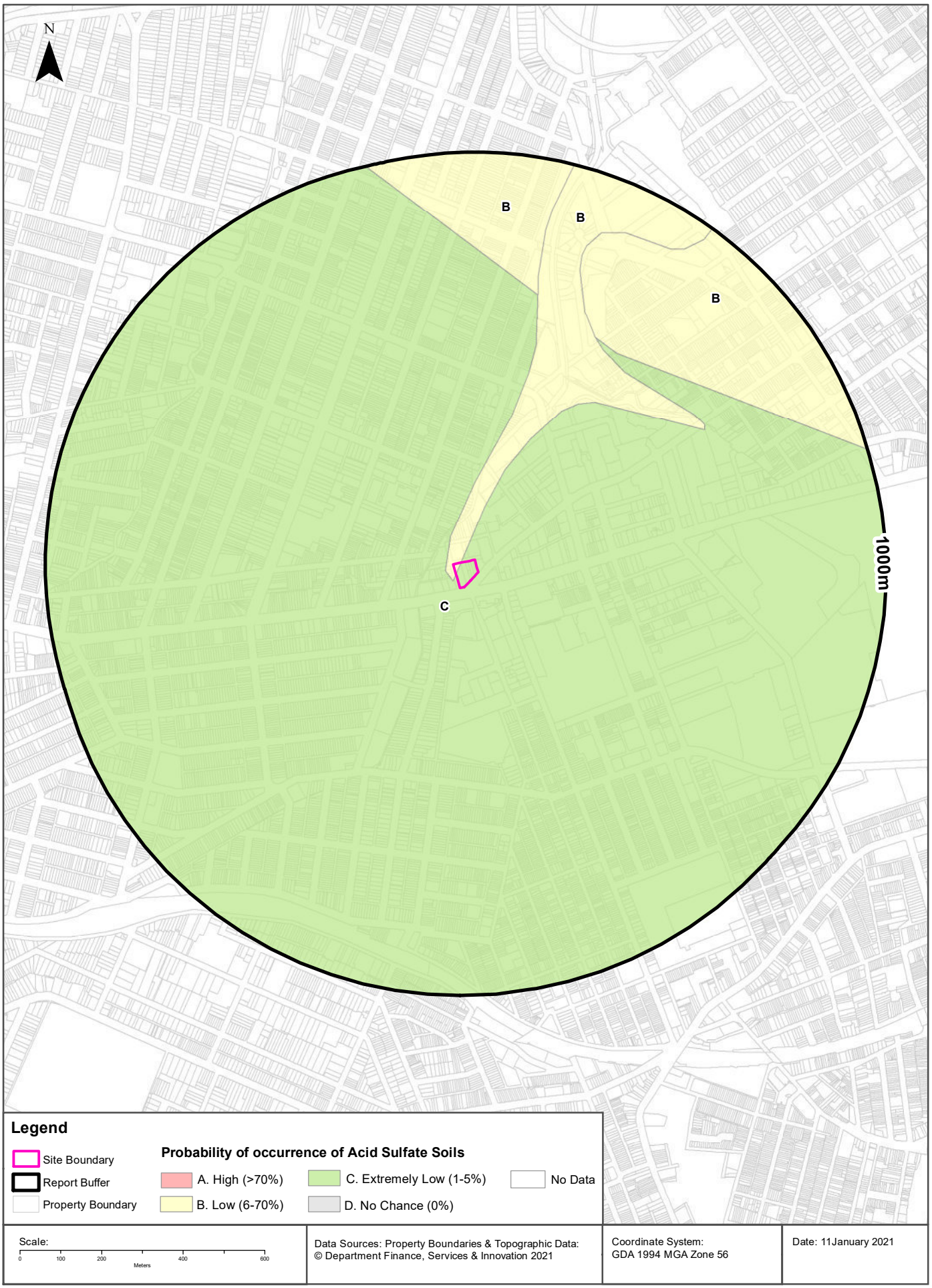
If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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Atlas of Australian Acid Sulfate Soils

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Acid Sulfate Soils

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO
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Dryland Salinity

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

Is there Dryland Salinity - National Assessment data within the dataset buffer?

No

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
N/A	N/A	N/A	N/A	N/A

Dryland Salinity Data Source : National Land and Water Resources Audit
The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.
In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

Feature Id	Classification	Description	Distance	Direction
N/A	Outside Data Coverage			

Dryland Salinity Potential of Western Sydney Data Source : NSW Office of Environment and Heritage
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Mining

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Mining Subsidence Districts

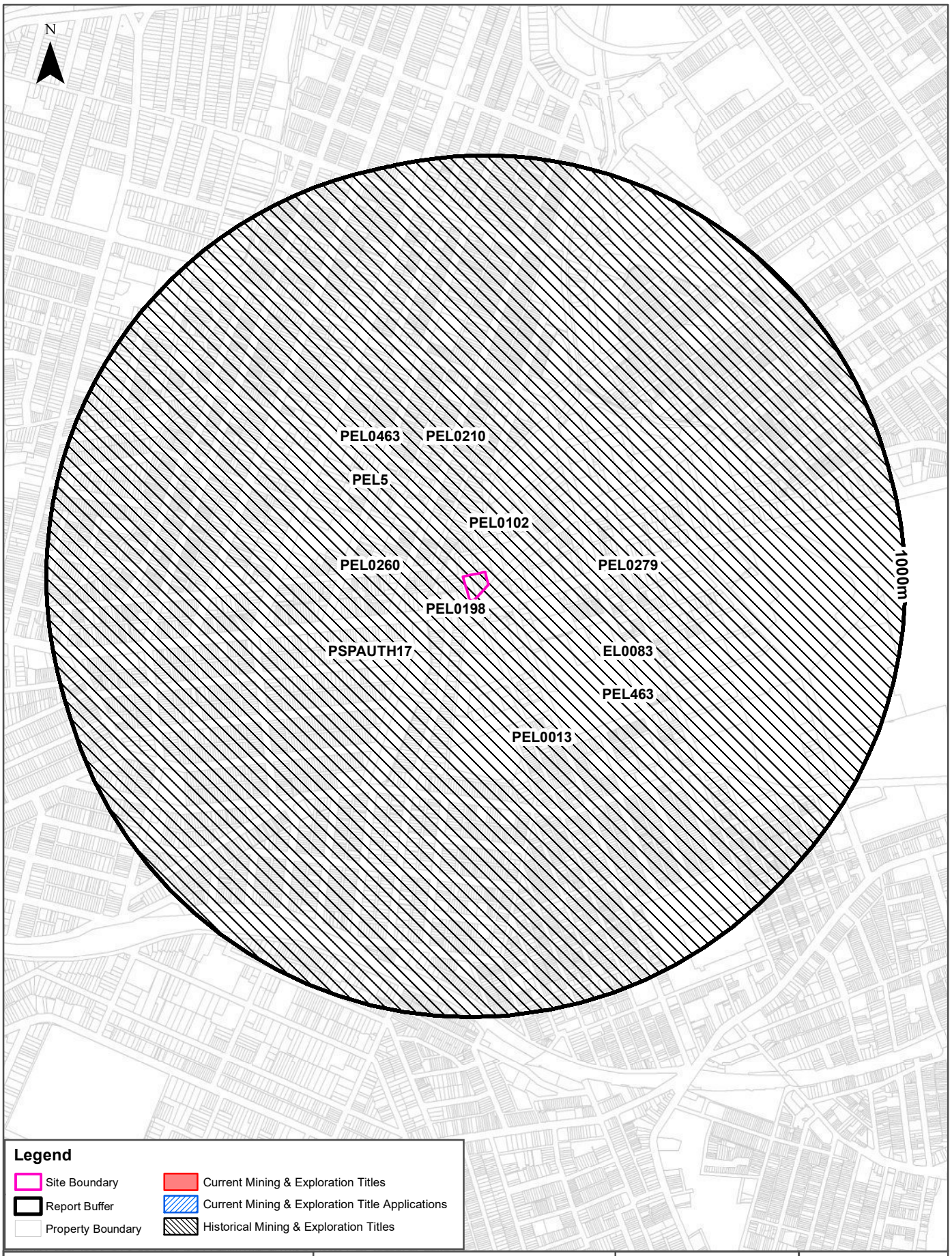
Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
There are no Mining Subsidence Districts within the report buffer		

Mining Subsidence District Data Source: © Land and Property Information (2016)
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Mining & Exploration Titles

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Mining

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist (m)	Dir'
N/A	No Records in Buffer								

Current Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist (m)	Dir'
N/A	No Records in Buffer						

Current Mining & Exploration Title Applications Data Source: © State of New South Wales through NSW Department of Industry

Mining

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist (m)	Dir'
EL0083	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	01 Feb 1967	01 Feb 1968	MINERALS		0m	Onsite
PEL0013	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	Onsite
PEL0102	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	Onsite
PEL0198	JOHN STREVENS (TERRIGAL) NL			PETROLEUM	Petroleum	0m	Onsite
PEL0210	THE AUSTRALIAN GAS LIGHT COMPANY (AGL), NORTH BULLI COLLIERIES PTY LTD			PETROLEUM	Petroleum	0m	Onsite
PEL0260	NORTH BULLI COLLIERIES PTY LTD, AGL PETROLEUM OPERATIONS PTY LTD, THE AUSTRALIAN GAS LIGHT CO.	9/09/1981	8/03/1993	PETROLEUM	Petroleum	0m	Onsite
PEL0279	THE ELECTRICITY COMMISSION OF NSW (TRADING AS PACIFIC POWER)	17/04/1990	11/11/1993	PETROLEUM	Petroleum	0m	Onsite
PEL0463	DART ENERGY (APOLLO) PTY LTD	22/10/2008	6/03/2015	PETROLEUM	Petroleum	0m	Onsite
PEL463	DART ENERGY (APOLLO) PTY LTD			MINERALS		0m	Onsite
PEL5	AGL UPSTREAM INVESTMENTS PTY LIMITED			MINERALS		0m	Onsite
PSPAUTH17	MACQUARIE ENERGY PTY LTD	8/03/2007	7/03/2008	PETROLEUM	Petroleum	0m	Onsite

Historical Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

State Environmental Planning Policy

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

State Significant Precincts

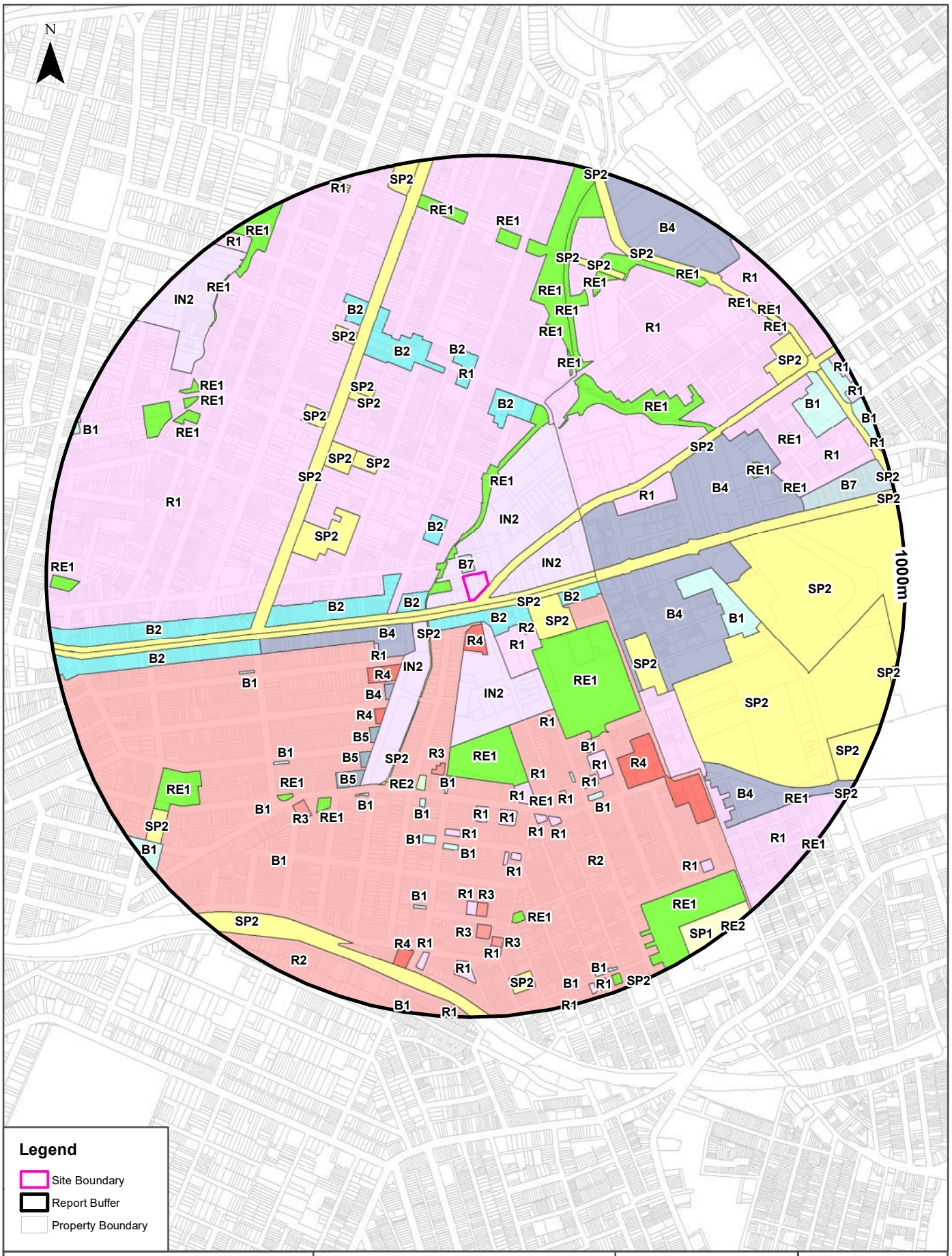
What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No Records in Buffer							

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EPI Planning Zones

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Environmental Planning Instrument

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Land Zoning

What EPI Land Zones exist within the dataset buffer?

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
IN2	Light Industrial		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		0m	Onsite
SP2	Infrastructure	Classified Road	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		0m	North West
B7	Business Park		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		9m	North West
SP2	Infrastructure	Classified Road	Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	Amendment No 4	15m	West
IN2	Light Industrial		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		20m	East
B2	Local Centre		Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	Amendment No 4	27m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		35m	North
R2	Low Density Residential		Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	Amendment No 4	52m	South West
IN2	Light Industrial		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		53m	South
R1	General Residential		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		57m	North
R4	High Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		58m	South
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		89m	West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		97m	North West
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		97m	South East
SP2	Infrastructure	Educational Establishment	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		98m	South East
SP2	Infrastructure	Stormwater Management Systems	Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	Amendment No 4	112m	South West
IN2	Light Industrial		Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	Amendment No 4	115m	South West
R2	Low Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		126m	South East
B4	Mixed Use		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		147m	South West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		149m	West
B2	Local Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		167m	East
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		179m	South East
R4	High Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		225m	South West
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		244m	South West
B4	Mixed Use		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		254m	East
SP2	Infrastructure	Classified Road	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		255m	East
B4	Mixed Use		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		260m	East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Classified Road	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		264m	North East
B4	Mixed Use		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		268m	South West
R1	General Residential		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		271m	North East
SP2	Infrastructure	Stormwater Management Systems	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		272m	South West
SP2	Infrastructure	Educational Establishment	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		283m	West
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		312m	South
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		325m	South East
SP2	Infrastructure	Educational Establishment	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		325m	North West
R4	High Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		326m	South West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		346m	North
R1	General Residential		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		346m	North East
SP2	Infrastructure	Educational Establishment	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		350m	South East
SP2	Infrastructure	Place of Public Worship	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		370m	North West
B5	Business Development		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		371m	South West
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		387m	North East
R3	Medium Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		395m	South
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		427m	South East
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		430m	South
B5	Business Development		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		432m	South West
RE2	Private Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		433m	South
R1	General Residential		Leichhardt Local Environmental Plan 2013	24/10/2014	24/10/2014	17/02/2017	Amendment No 3	437m	North West
R1	General Residential		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		442m	South East
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		443m	North
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		443m	South
B1	Neighbourhood Centre		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		447m	East
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		454m	South
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		462m	South East
SP2	Infrastructure	Community Facilities	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		468m	North West
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		472m	South East
B5	Business Development		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		478m	South West
SP2	Infrastructure	Place of Public Worship	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		481m	North West
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		487m	South
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		488m	North
SP2	Infrastructure	Place of Public Worship	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		489m	North West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		492m	South
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		500m	South East
SP2	Infrastructure	Health Services Facilities	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		500m	East
R4	High Density Residential		Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	Amendment No 4	502m	South East
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		503m	West
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		503m	South
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		504m	South East
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		505m	South
B2	Local Centre		Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	Amendment No 4	511m	West
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	17/02/2017	17/02/2017	17/02/2017	Amendment No 9	514m	North East
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		522m	South West
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		527m	North
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		533m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		542m	North
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		543m	South East
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		545m	West
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		547m	South
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		549m	South
SP2	Infrastructure	Educational Establishment	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		569m	East
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		571m	South
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		577m	South West
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		581m	South West
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		585m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	17/02/2017	17/02/2017	17/02/2017	Amendment No 9	589m	North
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		608m	South
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		613m	South
SP2	Infrastructure	Place of Public Worship	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		616m	North West
R3	Medium Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		623m	South West
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		629m	South West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		653m	North West
R1	General Residential		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		657m	North East
B4	Mixed Use		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		668m	South East
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		682m	East
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		686m	South West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		711m	North
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		720m	South
R3	Medium Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		723m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		737m	North West
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		741m	South
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		754m	South
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		760m	East
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		763m	South West
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		767m	South West
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		768m	North West
SP2	Infrastructure	Water Supply System	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		772m	North
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		774m	North West
B7	Business Park		Sydney Local Environmental Plan 2012	12/06/2015	12/06/2015	14/08/2020	Amendment No 17	776m	East
R3	Medium Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		776m	South
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		776m	North East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		778m	North
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		790m	North East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		798m	North West
R3	Medium Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		807m	South
IN2	Light Industrial		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		814m	North West
SP2	Infrastructure	Educational Establishment	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		827m	North East
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		828m	South
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		830m	South East
SP2	Infrastructure	Classified Road	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		832m	North
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		833m	South East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		836m	North
B1	Neighbourhood Centre		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		840m	North East
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		850m	South
R4	High Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		850m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		851m	North West
B4	Mixed Use		Sydney Local Environmental Plan (Harold Park) 2011	16/12/2011	16/12/2011	16/12/2011		853m	North East
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		863m	South
SP2	Infrastructure	Rail Infrastructure Facilities	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		868m	South West

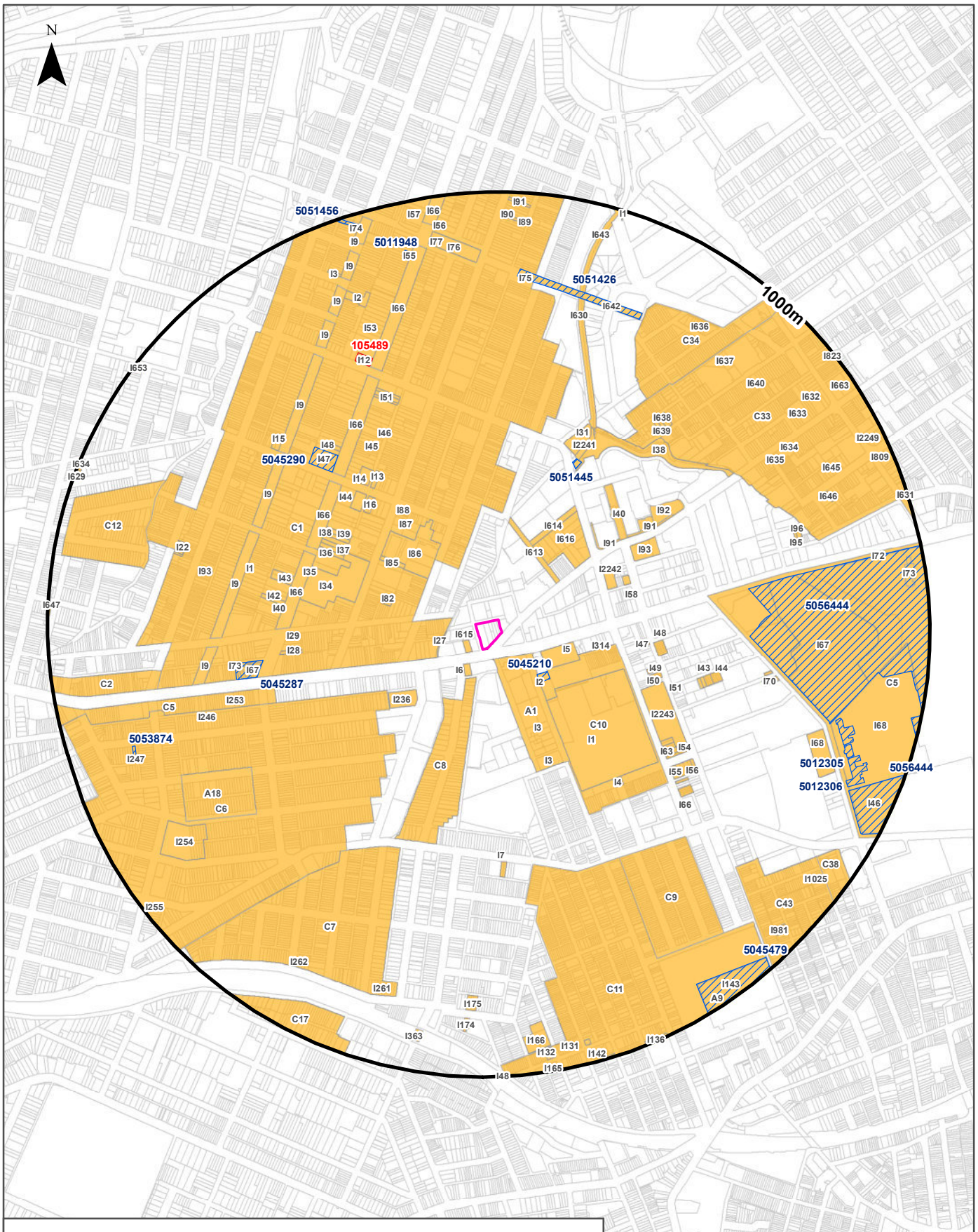
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		883m	South East
SP2	Infrastructure	Educational Establishment	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		884m	South West
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		890m	North East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		897m	North West
SP2	Infrastructure	Educational Establishment	Marrickville Local Environmental Plan 2011	25/10/2013	25/10/2013	11/12/2020	Amendment No 1	899m	South
R1	General Residential		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		901m	North East
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		907m	North East
R2	Low Density Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		908m	South West
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		918m	North East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		920m	West
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		924m	South
SP1	Special Activities	Cemetery	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		925m	South East
SP2	Infrastructure	Educational Establishment	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		925m	North
SP2	Infrastructure	Classified Road	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		926m	East
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		941m	South
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		942m	South
B1	Neighbourhood Centre		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		942m	North East
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		959m	South
RE1	Public Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		959m	South
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		961m	South
R1	General Residential		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		963m	North
R1	General Residential		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		964m	East
SP2	Infrastructure	Sewerage System	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		967m	North
SP2	Infrastructure	Sewerage System	Leichhardt Local Environmental Plan 2013	24/10/2014	24/10/2014	17/02/2017	Amendment No 3	971m	North
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		977m	South
SP2	Infrastructure	Classified Road	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		977m	North
B1	Neighbourhood Centre		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		978m	South
B1	Neighbourhood Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		981m	West
SP2	Infrastructure	Health Services Facilities	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		984m	South East
RE2	Private Recreation		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		986m	South East
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		988m	North
SP2	Infrastructure	Educational Establishment	Marrickville Local Environmental Plan 2011	25/10/2013	25/10/2013	11/12/2020	Amendment No 1	989m	South
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		995m	South East
R1	General Residential		Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020		997m	South

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Sewerage System	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017		998m	North

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Heritage Items

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Heritage

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
105489	Annandale Post Office	115 Booth St, Annandale NSW	1/12/022/0055	Historic	Indicative Place		653m	North West

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?
Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

What are the State Heritage Register Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5045210	Cranbrook Group	10, 14 Australia Street Camperdown	Marrickville	02/04/1999	00418	957	126m	South East
5051445	Sewage Pumping Station 3	Booth Street, Annandale	Leichhardt	18/11/1999	01343	2032	396m	North East
5045290	Hunter Baillie Memorial Presbyterian Church	Johnston Street, Annandale	Leichhardt	02/04/1999	00011	83	489m	North West
5045287	Goodman's Buildings	2-12 Johnston Street Annandale	Leichhardt	02/04/1999	00672	1720	503m	West
5056444	The University of Sydney, University Colleges and Victoria Park	Corner of Parramatta and City Roads, Camperdown	Sydney	24/08/2018	01974	2734	580m	East
5051426	Johnston's Creek Sewer Aqueduct	Taylor Street (Off), Hogan Park, Annandale	Leichhardt	18/11/1999	01325	2020	772m	North
5012306	Royal Prince Alfred Hospital - Victoria & Albert Pavilions	Missenden Road, Camperdown	Sydney	02/04/1999	00829	1981	807m	East
5012305	Royal Prince Alfred Hospital - Admission Block	Missenden Road, Camperdown	Sydney	02/04/1999	00830	1981	843m	East
5053874	Sewer Vent and Cottage	125 Corunna Road Stanmore	Marrickville	15/11/2002	01635	2000	843m	West

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5011948	Substation	182 Johnston Street Annandale	Leichhardt	02/04/1999	00941	3083	875m	North
5045479	St Stephen's Anglican Church and Cemetery	187 - 189 Church Street Newtown	Marrickville	02/04/1999	00462	1149	925m	South East
5051456	White's Creek Aqueduct	Piper Street, Lilyfield	Leichhardt	18/11/1999	01354	2243	966m	North West

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Environmental Planning Instrument - Heritage

What are the EPI Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I615	Former police station, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	26m	South West
A1	Kingston Fowler's Pottery Archaeological site	Item - Archaeological	Local	Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	28m	South East
I6	Federation, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	45m	South West
C1	Annandale Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	57m	North
C8	Cardigan Street Conservation Area	Conservation Area - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	67m	South
I27	Bridge at Parramatta Road, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	69m	West
I3	Australia Street industrial group, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	73m	South East
I5	Bridge Road School (former Camperdown Public School), including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	98m	East
C10	Camperdown Park Heritage Conservation Area	Conservation Area - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	123m	South East
I2	Cranbrook Group, including interiors	Item - General	State	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	126m	South East
I86	Former Beales Piano Factory, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	155m	North West
I613	Kerb and gutter	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	158m	North East
I616	Warehouse, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	172m	North East
I1	Camperdown Park	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	179m	South East
I236	Brick factory (former), including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	183m	South West
I614	Kerb and gutter	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	191m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I82	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	203m	West
I81	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	204m	West
I85	House, 'Edwinville', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	213m	North West
I314	Electricty substation No 142 (whole site)	Item - General	Local	Marrickville Local Environmental Plan 2011	22/12/2017	22/12/2017	11/12/2020	227m	East
C6	Annandale Farm Heritage Conservation Area	Conservation Area - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	244m	South West
I87	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	255m	North West
I2242	Former Grace Brothers Repository	Item - General	Local	Sydney Local Environmental Plan 2012	22/01/2016	22/01/2016	15/05/2020	264m	North East
I3	Australia Street industrial group, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	281m	South East
I34	Annandale Public School, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	283m	West
I91	Former Alexandra Hospital boundary landscaping	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	286m	North East
I58	Warehouse	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	303m	East
I88	Former shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	304m	North West
I47	St Andrew's Greek Orthodox Church	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	318m	East
I40	Former Alexandra Hospital palm trees	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	338m	North East
I36	'Norton House', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	345m	North West
I93	Housing development 'Alexandra Dwellings'	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	345m	North East
I49	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	348m	East
I37	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	349m	North West
I2243	Former Bonds Industries & Electricity Substation No. 181	Item - General	Local	Sydney Local Environmental Plan 2012	22/01/2016	22/01/2016	15/05/2020	350m	South East
I38	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	352m	North West
I39	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	354m	North West
I48	Terrace group 'York Terrace'	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	354m	East
I50	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	358m	East
I91	Former Alexandra Hospital boundary landscaping	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	358m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I16	St Brendan's Parish Home, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	360m	North West
I17	St Brendan's Convent, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	378m	North West
I38	Orphan Creek Public Reserve	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	391m	North East
I94	Former Alexandra Hospital Administration Building	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	391m	North East
I2241	Sewage Pumping Station No. 3	Item - General	State	Sydney Local Environmental Plan 2012	22/01/2016	22/01/2016	15/05/2020	395m	North East
I13	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	397m	North West
I44	St Brendan's Catholic Church, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	402m	North West
I35	Annandale House gates	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	406m	West
I66	Street trees-Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	407m	West
I66	Street trees-Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	408m	North West
I29	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	410m	West
I28	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	411m	West
I14	Semi-detached house, 'Agincourt', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	411m	North West
I51	Former corner shop & residence	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	416m	East
I630	Johnstons Creek	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	419m	North
I4	Sullivan RSPCA Memorial Horse trough, balustrade and 2 ficus trees	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	423m	South East
I31	Former commercial building 'Melocco Bros'	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	423m	North East
I92	Former Alexandra Hospital Venables House	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	427m	North East
I43	House, 'Wallscourt', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	439m	West
I42	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	446m	West
I41	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	449m	West
I61	Semi-detached house group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	449m	South East
I40	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	451m	West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I62	Terrace group 'Emaville' & 'Maryville'	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	459m	South East
I66	Street trees-Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	461m	North West
I41	Terrace house	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	467m	East
I45	Former Annandale Council Chambers, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	468m	North West
I63	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	469m	South East
I42	Terrace house	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	474m	East
I64	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	479m	South East
I43	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	480m	East
I46	Uniting Church and hall, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	481m	North West
I54	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	486m	South East
C5	Sydney University	Conservation Area - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	486m	East
I47	Hunter Baillie Memorial Church, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	489m	North West
C5	Parramatta Road Commercial Precinct Heritage Conservation Area	Conservation Area - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	492m	West
I44	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	494m	East
I7	Group of 2 Victorian semi-detached cottages, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	497m	South
I55	Warehouse	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	502m	South East
I33	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	503m	West
C7	Kingston West Conservation Area	Conservation Area - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	503m	South West
I32	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	506m	West
I31	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	509m	West
I56	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	509m	South East
I30	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	512m	West
C33	Hereford and Forest Lodge	Conservation Area - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	512m	North East
I48	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	514m	North West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
C11	North Kingston Estate Heritage Conservation Area	Conservation Area - General	Local	Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	515m	South
I67	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	515m	West
I57	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	529m	South East
I68	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	533m	West
I65	Terrace house	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	534m	South East
I1	Substation	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	536m	West
I69	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	539m	West
I50	Shop and residence -The Colonnade-, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	545m	North West
I9	Street trees	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	548m	West
I9	Street trees	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	549m	North West
I51	Shop and residence ' The Colonnade' , including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	549m	North West
I66	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	550m	South East
I70	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	550m	West
I71	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	556m	West
I52	Shop and residence 'The Colonnade', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	556m	North West
I72	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	562m	West
I73	Goodman's Building, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	568m	West
C9	Hopetoun-Roberts-Federation Streets Heritage Conservation Area	Conservation Area - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	577m	South East
I639	House	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	579m	North East
I253	Olympia Milk Bar, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	582m	West
I9	Street trees	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	591m	North West
I638	House	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	596m	North East
I9	Street trees	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	604m	West

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A18	Annandale House Archaeological site	Item - Archaeological	Local	Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	608m	South West
I15	Former police station, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	614m	North West
I70	Alfred Hotel	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	617m	East
I69	Shop & residence	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	618m	East
C34	Toxteth	Conservation Area - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	621m	North East
I93	Former shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	627m	West
I66	Street trees-Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	631m	North
I67	St John's College, University of Sydney	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	632m	East
I12	Annandale Post Office, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	651m	North West
I246	Former gatehouse to Annandale Farm (located off Corunna Lane), including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	660m	West
I25	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	700m	West
I23	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	701m	West
I24	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	701m	West
I22	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	701m	West
I21	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	703m	West
I18	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	704m	West
I19	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	704m	West
I20	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	704m	West
I53	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	713m	North
I95	Terrace house	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	718m	East
I54	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	721m	North
I96	Terrace house	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	724m	East
I9	Street trees	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	734m	North West
C2	Parramatta Road Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	30/01/2015	30/01/2015	17/02/2017	743m	West

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I635	Bridge Hotel & terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	745m	North East
I68	Royal Prince Alfred Hospital group	Item - General	State	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	751m	East
I634	Terrace group 'Magnolia Terrace'	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	760m	North East
I254	Weekley Park and pergolas and dwarf boundary wall	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	767m	South West
C43	O'Connell Town Estate	Conservation Area - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	771m	South East
I642	MSW&DB aqueduct	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	772m	North
I75	Johnston's Creek sewer aqueduct	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	777m	North
C12	Scarvell Estate Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	780m	West
I2	House, 'Haledon', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	786m	North
I9	Street trees	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	790m	North West
I637	House	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	791m	North East
I68	Royal Prince Alfred Hospital group	Item - General	State	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	795m	East
I72	Site landscaping, University of Sydney	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	795m	East
I261	Group of Federation cottagesWilga, Eddington, Irene, Otago, Kiora, Killara, Dorothy and Etham, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	804m	South
I175	Group of Victorian italianate and Federation period transitional style terraces, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	808m	South
I640	House 'Penharwood'	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	811m	North East
I646	House	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	814m	East
I636	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	816m	North East
I633	Former house 'Briarbank'	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	827m	North East
I262	Victorian villaDundoos, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	829m	South West
I76	Hinsby Reserve	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	836m	North
I247	Brick sewer vent and Edwardian cottage, including interiors	Item - General	State	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	843m	West

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I645	Former Rehoboth Primitive Methodist Church & Hall	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	846m	North East
I9	Street trees	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	855m	North
I174	Victorian italianate and Federation period transitional style semi-detached pair of houses, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	862m	South
I632	Forest Lodge Public School	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	870m	North East
I3	Former shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	872m	North West
I55	Substation, including interiors	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	875m	North
I166	St Josephs Girls School and St Bedes Convent and Presbytery, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	879m	South
I46	St Andrew's College, University of Sydney	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	891m	East
I77	War memorial	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	893m	North
I363	Railway underbridge	Item - General	Local	Marrickville Local Environmental Plan 2011	22/12/2017	22/12/2017	11/12/2020	900m	South
C38	Bligh & Camperdown Terrace	Conservation Area - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	901m	South East
C17	Kingston South Heritage Conservation Area	Conservation Area - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	917m	South West
I56	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	919m	North
I1025	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	921m	South East
I143	St Stephen's Church of England and Cemetery, including interiors	Item - General	State	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	925m	South East
A9	St Stephen's Cemetery Archaeological site	Item - Archaeological	Local	Marrickville Local Environmental Plan 2011	11/12/2020	11/12/2020	11/12/2020	925m	South East
I57	North Annandale Public School, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	925m	North
I9	Street trees	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	926m	North
I89	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	926m	North
I643	Bowstring Bridge	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	931m	North
I66	Street trees-Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	932m	North
I90	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	932m	North

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I131	Victorian villa, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	934m	South
I982	Terrace group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	935m	South East
I141	Corner shop, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	942m	South
I132	Victorian villa, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	943m	South
I981	Cottage	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	943m	South East
I663	House group 'Killara', 'Morocco', 'Hillston' & 'Strathmore'	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	943m	North East
I73	JD Stewart Building, University of Sydney	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	948m	East
I2249	Electricity Substation No. 267	Item - General	Local	Sydney Local Environmental Plan 2012	22/01/2016	22/01/2016	15/05/2020	951m	North East
I255	Federation Filigree style corner shop, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	961m	South West
I809	Shop & residence group (204-206 St Johns Road)	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	961m	North East
I142	Group of Victorian style terraces, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	962m	South
I74	Whites Creek Aqueduct	Item - General	State	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	965m	North West
I91	Former house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	966m	North
I130	Victorian Georgian house and stables, including interiors	Item - General	State	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	967m	South
I130	Victorian Georgian house and stables, including interiors	Item - General	State	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	974m	South
I1	Former Rozelle Tram Depot and Curtilage Number 1753, 1995, 1923 and Café Tram 2050 and Water Tank	Item - General	Local	Sydney Local Environmental Plan (Harold Park) 2011	16/12/2011	16/12/2011	16/12/2011	977m	North
I165	Victorian terrace, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	977m	South
I653	Corner shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	979m	North West
I629	'Thorby Buildings', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	981m	West
I630	'Thorby Buildings', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	984m	West
I631	'Thorby Buildings', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	987m	West
I631	Street trees	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	989m	East
I136	Australia Street Infants School, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	989m	South

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I632	'Thorby Buildings', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	990m	West
I634	'Thorby Buildings', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	990m	West
I358	Electricity substation No 1508 (whole site)	Item - General	Local	Marrickville Local Environmental Plan 2011	22/12/2017	22/12/2017	11/12/2020	991m	South
I647	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	991m	West
I633	'Thorby Buildings', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	993m	West
I635	'Thorby Buildings', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	993m	West
I823	MWS&DB vent stack	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	15/05/2020	995m	North East
I648	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	996m	West
I652	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	996m	West
I48	Retail group and pedestrian tunnel, including interiors	Item - General	Local	Marrickville Local Environmental Plan 2011	12/12/2011	12/12/2011	11/12/2020	996m	South

Heritage Data Source: NSW Crown Copyright - Planning & Environment
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Natural Hazards

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Bush Fire Prone Land

What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
No records within buffer		

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints - Native Vegetation & RAMSAR Wetlands

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038



Ecological Constraints

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Map Unit Name	Threatened Ecological Community NSW	Threatened Ecological Community EPBC Act	Understorey	Disturbance	Disturbance Index	Dominant Species	Dist	Direction
Urban_E/N	Urban_E/N: Urban Exotic/Native			00: Not assessed	00: Not assessed	0: Not assessed	Urban Exotic/Native	48m	North West

Native Vegetation of the Sydney Metropolitan Area : NSW Office of Environment and Heritage
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Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

Map Id	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Environment

Ecological Constraints

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
N/A	No records within buffer				

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Ecological Constraints

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
N/A	No records within buffer				

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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Ecological Constraints

122-128 & 130 Pyrmont Bridge Road, Annandale, NSW 2038

NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	Crinia tinnula	Wallum Froglet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Amphibia	Litoria aurea	Green and Golden Bell Frog	Endangered	Not Sensitive	Vulnerable	
Animalia	Amphibia	Pseudophryne australis	Red-crowned Toadlet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Actitis hypoleucos	Common Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Anseranas semipalmata	Magpie Goose	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Critically Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Ardenna grisea	Sooty Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna pacifica	Wedge-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Arenaria interpres	Ruddy Turnstone	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Botaurus poiciloptilus	Australasian Bittern	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Burhinus grallarius	Bush Stone-curlew	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Calidris acuminata	Sharp-tailed Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris alba	Sanderling	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris canutus	Red Knot	Not Listed	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris ferruginea	Curlew Sandpiper	Endangered	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris melanotos	Pectoral Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Calidris ruficollis	Red-necked Stint	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris tenuirostris	Great Knot	Vulnerable	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calyptorhynchus banksii banksii	Red-tailed Black-Cockatoo (coastal subspecies)	Critically Endangered	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus banksii samueli	Red-tailed Black-Cockatoo (inland subspecies)	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus lathami	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Certhionyx variegatus	Pied Honeyeater	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Charadrius leschenaultii	Greater Sand-plover	Vulnerable	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Charadrius mongolus	Lesser Sand-plover	Vulnerable	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Charadrius veredus	Oriental Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Chlidonias leucopterus	White-winged Black Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Diomedea exulans	Wandering Albatross	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Epthianura albifrons	White-fronted Chat	Endangered Population, Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Erythrotriorchis radiatus	Red Goshawk	Critically Endangered	Category 2	Vulnerable	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus fuliginosus	Sooty Oystercatcher	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus longirostris	Pied Oystercatcher	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Category 3	Critically Endangered	
Animalia	Aves	Limicola falcinellus	Broad-billed Sandpiper	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Limosa lapponica	Bar-tailed Godwit	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Limosa limosa	Black-tailed Godwit	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lophochroa leadbeateri	Major Mitchell's Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Macronectes giganteus	Southern Giant Petrel	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Manorina melanotis	Black-eared Miner	Critically Endangered	Not Sensitive	Endangered	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Numenius madagascariensis	Eastern Curlew	Not Listed	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius minutus	Little Curlew	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius phaeopus	Whimbrel	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Onychoprion fuscata	Sooty Tern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Petroica phoenicea	Flame Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Phaethon lepturus	White-tailed Tropicbird	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Philomachus pugnax	Ruff	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Pluvialis fulva	Pacific Golden Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Pluvialis squatarola	Grey Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Polytelis anthopeplus monarchoides	Regent Parrot (eastern subspecies)	Endangered	Category 3	Vulnerable	
Animalia	Aves	Polytelis swainsonii	Superb Parrot	Vulnerable	Category 3	Vulnerable	
Animalia	Aves	Pterodroma leucoptera leucoptera	Gould's Petrel	Vulnerable	Not Sensitive	Endangered	
Animalia	Aves	Pterodroma solandri	Providence Petrel	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus regina	Rose-crowned Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus superbus	Superb Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stercorarius parasiticus	Arctic Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Stercorarius pomarinus	Pomarine Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Sterna hirundo	Common Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Sternula albifrons	Little Tern	Endangered	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Sula dactylatra	Masked Booby	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Thalassarche chrysostoma	Grey-headed Albatross	Not Listed	Not Sensitive	Endangered	
Animalia	Aves	Thalassarche melanophris	Black-browed Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Thalasseus bergii	Crested Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Thinornis rubricollis	Hooded Plover	Critically Endangered	Not Sensitive	Vulnerable	
Animalia	Aves	Tringa brevipes	Grey-tailed Tattler	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tringa glareola	Wood Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tringa incana	Wandering Tattler	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Tringa nebularia	Common Greenshank	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tringa stagnatilis	Marsh Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Tyto tenebricosa	Sooty Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Xenus cinereus	Terek Sandpiper	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Insecta	Petalura gigantea	Giant Dragonfly	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Aepyprymnus rufescens	Rufous Bettong	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Arctocephalus forsteri	New Zealand Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Arctocephalus pusillus doriferus	Australian Fur-seal	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Dasyurus viverrinus	Eastern Quoll	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Dugong dugon	Dugong	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Eubalaena australis	Southern Right Whale	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Megaptera novaeangliae	Humpback Whale	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Perameles nasuta	Long-nosed Bandicoot	Endangered Population	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Pseudomys gracilicaudatus	Eastern Chestnut Mouse	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Aspidites ramsayi	Woma	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Caretta caretta	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Dermochelys coriacea	Leatherback Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Eulamprus leuraensis	Blue Mountains Water Skink	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Tiliqua occipitalis	Western Blue-tongued Lizard	Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Camarophyllopsis kearneyi		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe anomala var. ianthinomarginata		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe aurantipes		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe austropratensis		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe collucera		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe griseoramosa		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe lanecovensis		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe reesiae		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe rubronivea		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia bynoeana	Bynoe's Wattle	Endangered	Not Sensitive	Vulnerable	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Acacia gordonii		Endangered	Not Sensitive	Endangered	
Plantae	Flora	Acacia pubescens	Downy Wattle	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia terminalis subsp. terminalis	Sunshine Wattle	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Allocasuarina portuensis	Nielsen Park She-oak	Endangered	Category 3	Endangered	
Plantae	Flora	Amperea xiphoclada var. pedicellata		Presumed Extinct	Not Sensitive	Extinct	
Plantae	Flora	Asterolasia buxifolia		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Caladenia tessellata	Thick Lip Spider Orchid	Endangered	Category 2	Vulnerable	
Plantae	Flora	Callistemon linearifolius	Netted Bottle Brush	Vulnerable	Category 3	Not Listed	
Plantae	Flora	Darwinia biflora		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Dichanthium setosum	Bluegrass	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Diuris arenaria	Sand Doubletail	Endangered	Category 2	Not Listed	
Plantae	Flora	Doryanthes palmeri	Giant Spear Lily	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Epacris purpurascens var. purpurascens		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus camfieldii	Camfield's Stringybark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus fracta	Broken Back Ironbark	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus leucoxylon subsp. pruinosa	Yellow Gum	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus pulverulenta	Silver-leafed Gum	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Genoplesium baueri	Bauer's Midge Orchid	Endangered	Category 2	Endangered	
Plantae	Flora	Grammitis stenophylla	Narrow-leaf Finger Fern	Endangered	Category 3	Not Listed	
Plantae	Flora	Grevillea caleyi	Caley's Grevillea	Critically Endangered	Category 3	Critically Endangered	
Plantae	Flora	Hibbertia puberula		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Leptospermum deanei		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Macadamia integrifolia	Macadamia Nut	Not Listed	Not Sensitive	Vulnerable	
Plantae	Flora	Macadamia tetraphylla	Rough-shelled Bush Nut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Melaleuca biconvexa	Biconvex Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Melaleuca deanei	Deane's Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Persoonia hirsuta	Hairy Geebung	Endangered	Category 3	Endangered	
Plantae	Flora	Pimelea curviflora var. curviflora		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Pomaderris prunifolia	Plum-leaf Pomaderris	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Prasophyllum fuscum	Slaty Leek Orchid	Critically Endangered	Category 2	Vulnerable	
Plantae	Flora	Prostanthera marifolia	Seaforth Mintbush	Critically Endangered	Category 3	Critically Endangered	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Critically Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Senecio spathulatus	Coast Groundsel	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Senna acclinis	Rainforest Cassia	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Tetratheca glandulosa		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Tetratheca juncea	Black-eyed Susan	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Thesium australe	Austral Toadflax	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Triplarina imbricata	Creek Triplarina	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Wahlenbergia multicaulis	Tadgell's Bluebell	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Wilsonia backhousei	Narrow-leafed Wilsonia	Vulnerable	Not Sensitive	Not Listed	

Data does not include NSW category 1 sensitive species.

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Location Confidences

Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading “LC” or “LocConf”. These codes lookup to the following location confidences:

LC Code	Location Confidence
Premise match	Georeferenced to the site location / premise or part of site
General area or suburb match	Georeferenced with the confidence of the general/approximate area
Road match	Georeferenced to the road or rail
Road intersection	Georeferenced to the road intersection
Feature is a buffered point	Feature is a buffered point
Land adjacent to geocoded site	Land adjacent to Georeferenced Site
Network of features	Georeferenced to a network of features

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    (a) any indirect, incidental, consequential, special or exemplary damages arising out of or in relation to the Report or these Terms; or
    (b) any loss of profit, loss of revenue, loss of interest, loss of data, loss of goodwill or loss of business opportunities, business interruption arising directly or indirectly out of or in relation to the Report or these Terms,

    irrespective of how that liability arises including in contract or tort, liability under indemnity or for any other common law, equitable or statutory cause of action or otherwise.
12. These Terms are subject to New South Wales law.

Historical Land Title Records

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

Summary of Owners Report

Address: - 122-128 & 130 Pyrmont Bridge Road, Annandale NSW

Description: - Lot 3-6 & 12 Section 1 in D.P.976387, Lot 100 in D.P.1101482 and Lot 1 in D.P.539271

As regards to Lots 3, 4 & 12, Section 1 in D.P. 976387

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
16.04.1913 (1913 to 1938)	John Cahill & Co. Limited Now John Cahill & Co. Pty Limited	Vol 1184 Fol 220
03.02.1938 (1938 to 1958)	Ernest Clissold Pearce (Manager)	Vol 1184 Fol 220
10.11.1958 (1958 to 1973)	Pearce Bros. Holdings Pty. Limited	Vol 1184 Fol 220
10.05.1973 (1973 to 1976)	Robert Fischer (Company Director) Jack James (Company Director)	Vol 1184 Fol 220 Now Vol 12165 Fol 11
21.05.1976 (1976 to 1978)	Eica Pty. Limited	Vol 12165 Fol 11
30.10.1978 (1978 to 1990)	Hobike Pty. Limited	Vol 12165 Fol 11
20.07.1990 (1990 to 2007)	Angela Biviano Guiseppe Biviano	Vol 12165 Fol 11 Now Auto Consol 12165-11
05.04.2007 (2007 to date)	# Zak One Pty Limited	Auto Consol 12165-11

 # Denotes current registered proprietor

Leases: -

- Various leases were found from 19.03.1964. Refer to attached titles for details.
- Lease to Aust Fine Chain Pty Ltd (AI323221) expires 30.09.2018, option of renewal: 5 years

Easements: - NIL

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

As regards to Lots 5 & 6, Section 1 in D.P. 976387

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
18.12.1909 (1909 to 1951)	John Davis Beale (and his deceased estate)	Book 896 No 814
04.06.1951 (1951 to 1969)	James Sydney Pearce (Accountant) John Clissold Pearce (Motor Mechanic)	Book 2181 No 112 Now Vol 7445 Fol 72 Vol 7445 Fol 73
02.06.1969 (1969 to 1969)	Pearce Bros. Holdings Pty. Limited	Vol 7445 Fol 72 Vol 7445 Fol 73 Now Vol 11084 Fol 79
08.07.1969 (1969 to 1973)	Developmental Franchises Pty Ltd	Vol 11084 Fol 79
10.05.1973 (1973 to 1976)	Robert Fischer (Company Director) Jack James (Company Director)	Vol 11084 Fol 79
21.05.1976 (1976 to 1978)	Eica Pty. Limited	Vol 11084 Fol 79
30.10.1978 (1978 to 1990)	Hobike Pty. Limited	Vol 11084 Fol 79
20.07.1990 (1990 to 2007)	Angela Biviano Guiseppe Biviano	Vol 11084 Fol 79 Now Auto Consol 11084-79
05.04.2007 (2007 to date)	# Zak One Pty Limited	Auto Consol 11084-79

 # Denotes current registered proprietor

Leases: -

- Various leases were found from 19.03.1964. Refer to attached titles for details.
- Lease to Aust Fine Chain Pty Ltd (AI323221) expires 30.09.2018, option of renewal: 5 years

Easements: - NIL

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

As regards to Lot 100 in D.P. 1101482

As regards to the part formerly known as Book 3688 No 590

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
18.10.1888 (1888 to 1918)	Alexander Brown (Grazier) (and his deceased estate)	Book 400 No 181
24.01.1918 (1918 to 1957)	James Brown (Grazier) (Devisee under the Will of Alexander Brown)	Recitals in Transmission Application A361598
02.07.1957 (1957 to 1965)	Lawrence Dry Cleaners Pty. Limited	Book 2434 No 221 (Intervening years 1888 to 1957 not investigated)
23.02.1965 (1965 to 1965)	John Edward Hilton (House Furnisher)	Book 2734 No 916
08.03.1965 (1965 to 1986)	Jayandem Pty. Limited	Book 2820 No 102
24.10.1963 (1936 to 1986)	Bexoka Pty. Limited	Book 3688 No 590

As regards to the part formerly known as Vol 7621 Fol 119

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
07.02.1918 (1918 to 1957)	James Brown (Grazier) (Tranmission application not investigated)	Vol 847 Fol 140 Vol 904 Fol 143
02.12.1957 (1957 to 1965)	Lawrence Dry Cleaners Pty. Limited	Vol 847 Fol 140 Vol 904 Fol 143 Now Vol 7621 Fol 119
23.02.1965 (1965 to 1965)	John Edward Hilton (House Furnisher)	Vol 7621 Fol 119
08.03.1965 (1965 to 1987)	Jayandem Pty. Limited	Vol 7621 Fol 119
06.01.1987 (1987 to 1995)	Bexoka Pty. Limited	Vol 7621 Fol 119

As to the whole of the land see page 4

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

As regards to the whole of Lot 100 in D.P. 1101482

Date of Acquisition and term held	**Registered Proprietor(s) & Occupations where available**	**Reference to Title at Acquisition and sale**
28.08.1995 (1995 to 2005)	John Frank Falcon Anita Renee Odile Falcon	Vol 7621 Fol 119 Book 4342 No 83 Now 1/120389 1/1042386
20.04.2005 (2005 to date)	#130 PBR Pty Limited	1/120389 1/1042386 Now 100/1101482

 # Denotes current registered proprietor

Leases: -

- Various leases were found from 10.02.1920. Refer to attached titles for details.
- Lease to Aust Fine Chain Pty Ltd (AI323221) expires 30.09.2018, option of renewal: 5 years

Easements: - NIL

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

As regards to Lot 1 in D.P. 539271

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
10.11.1913 (1913 to 1934)	Robert McDonald (General Broker) (and his deceased estate)	Book 1021 No 63
06.03.1934 (1934 to 1955)	Agnes McDonald (Widow) (Devisee under the Will of Robert McDonald)	Book 1685 No 286
20.04.1955 (1955 to 1969)	Lawrence Dry Cleaners Pty. Limited	Book 2331 No 884
05.08.1969 (1969 to 1984)	Movitex & Movigraph Systems Pty. Limited	Book 2937 No 654 Now Vol 11405 Fol 212
29.10.1984 (1984 to 1998)	Anthony Erling McDonough Mardee Ann McDonough	Vol 11405 Fol 212 Now 1/539271
14.12.1998 (1998 to 2016)	The Mexican Hammock Company Pty Limited	1/539271
01.02.2016 (2016 to date)	#Camperdown Administration Pty Ltd	1/539271

 # Denotes current registered proprietor

Leases: -

- Various leases were found from 05.12.1990. Refer to attached titles for details.

Easements: - NIL

Yours Sincerely
Ashleigh Taylor-Reeve
(Checked by Mark Groll)
19 January 2021

Req:R181294 /Doc:CT 12165-011 CT /Rev:16-Dec-2010 /NSW LRS /Pgs:ALL /Prt:13-Jan-2021 09:31 /Seq:1 of 2
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12165011

[redacted]TICATE OF TITLE

NEW SOUTH WALES

[redacted]L PROPERTY ACT, 1900

Vol. 12165 Fol. 11

Appln No. 9668

Prior Title Vol. 1184 Fol.220

Edition issued 17-7-1973

N259229

CANCELLED

SEE AUTO FOLIO

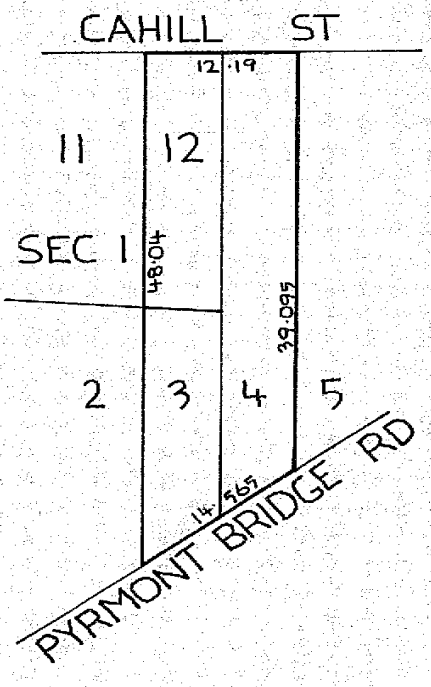
I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

Registrar General.

(Page 1) Vol. 12165 Fol. 11

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



AREA 531.1m²

REDUCTION RATIO 1:500

N 259229

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lots 3, 4 and 12 of Section 1 in Deposited Plan 976387 at Camperdown in the Municipality of Leichhardt Parish of Petersham and County of Cumberland being part of 97.13 hectares granted to William Bligh on 10-8-1806.

FIRST SCHEDULE

~~ROBERT FISCHER of Paddington, Company Director and JACK JAMES of Auburn, Company Director as Tenants in Common in equal shares.~~

SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. ~~Lease No. M147121 to Developmental Franchises Pty. Limited. Entered 18-2-1971.~~ Expired 21-5-1976

Registrar General

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE LAND TITLES OFFICE.
PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON
NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.
RG 2/62

Req:R181294 /Doc:CT 12165-011 CT /Rev:16-Dec-2010 /NSW LRS /Pgs:ALL /Prt:13-Jan-2021 09:31 /Seq:2 of 2
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Vol. 12165 Fol. 11

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	ENTERED	Signature of Registrar General
~~Erica Pty. Limited~~	~~Transfer~~	~~P690507~~	~~——~~	~~21-5-1976~~	
~~Hobike Pty. Limited~~	Transfer	Q925708	———	30-10-1978	
Angela Biviano and Giuseppe Biviano as tenants in common in equal shares by Transfer Z108043. Registered 20-7-1990					

CANCELLED

SEE AUTO FOLIO

SECOND SCHEDULE (continued)

INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
~~Mortgage~~	~~N259230~~	~~10.5.1973.~~	~~to Allied Credits Pty. Limited~~	~~12.9.1975.~~		~~Discharged~~	~~N662359~~	
~~Mortgage~~	~~N662360~~	~~28-12-1973~~	~~to Allied Credits Pty. Limited~~	~~24-1-1974~~		~~Cancelled~~	~~P690507~~	
~~Caveat~~	~~P365583~~	———		~~12-8-1975~~		~~Withdrawn~~	~~P690505~~	
~~Mortgage~~	~~P690508~~	———	~~to Lensworth Finance Limited~~	~~21-5-1976~~		~~Discharged~~	~~Q925705~~	
~~Caveat~~	~~P764131~~	———		~~17-6-1976~~		~~Withdrawn~~	~~P865806~~	
~~Mortgage~~	~~P783678~~	———	~~to Allied Credits Pty. Limited~~	~~2-7-1976~~		~~Discharged~~	~~Q925706~~	
~~Caveat~~	~~P866416~~	———		~~17-9-1976~~		~~Withdrawn~~	~~Q925704~~	
~~Mortgage~~	~~P828035~~	———	~~to Glebe Investments Pty. Limited (with consent of caveator under Caveat P866416)~~	~~17-11-1976~~		~~Discharged~~	~~Q925707~~	
~~Caveat~~	~~Q95742~~	———	~~by Robert Fischer~~	~~15-3-1977~~		~~Withdrawn~~	~~Q173446~~	
~~Mortgage~~	~~Q925709~~	———	~~to Commonwealth Trading Bank of Australia~~	~~30-10-1978~~		~~Discharged~~	~~T879930~~	
~~T869942 Caveat by Goldwyn Lowe and Jin Jon Lowe~~ Registered 1-12-1983						~~Withdrawn~~	~~X396956~~	
~~T879931 Mortgage to Westpac Banking Corporation. Registered 21-2-1984~~							Z108042	
~~T869942 Caveat. T879931 Caveators consented. Registered 21-2-1984~~						~~Cancelled~~	X396956	
~~X213817 Lease to Tantex Pty. Ltd.. Expires: 29.9.1988. With an Option of Renewal for 3 years. Registered 7.3.1988.~~								
Y439403 Lease to ~~Tantex~~ TANTEX Investments Pty. Limited Expires 29-9-1991 with an option of renewal for 3 years. Registered 11-8-1989.							Y439403	

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

(Page 2 of 2 pages)

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
13/1/2021 9:28AM

FOLIO: AUTO CONSOL 12165-11

Recorded	Number	Type of Instrument	C.T. Issue
18/10/1991		CONSOL HISTORY RECORD CREATED FOR AUTO CONSOL 12165-11 PARCELS IN CONSOL ARE: 3-4/1/976387, 12/1/976387.	
1/2/1993	I83110	CAVEAT	
12/11/1993	I689523	LEASE	EDITION 1
3/2/1999	5564958	WITHDRAWAL OF CAVEAT	
14/7/2003	9721926	CAVEAT	
21/8/2003	9899519	WITHDRAWAL OF CAVEAT	
21/8/2003	9899520	MORTGAGE	EDITION 2
27/11/2003	AA200355	VARIATION OF MORTGAGE	EDITION 3
3/8/2004	AA851182	VARIATION OF MORTGAGE	
3/8/2004	AA851197	MORTGAGE	EDITION 4
21/2/2005	AB303037	VARIATION OF MORTGAGE	EDITION 5
15/7/2005	AB624309	VARIATION OF MORTGAGE	EDITION 6
11/11/2005	AB908663	DISCHARGE OF MORTGAGE	
11/11/2005	AB908664	DISCHARGE OF MORTGAGE	
11/11/2005	AB908665	MORTGAGE	EDITION 7
5/4/2007	AD38612	DISCHARGE OF MORTGAGE	
5/4/2007	AD38613	TRANSFER	
5/4/2007	AD38614	MORTGAGE	EDITION 8
13/4/2007	AD49090	MORTGAGE	EDITION 9
30/1/2008	AD729843	LEASE	EDITION 10
18/2/2008	AD773908	DISCHARGE OF MORTGAGE	EDITION 11
7/3/2008	AD814118	MORTGAGE OF LEASE	

END OF PAGE 1 - CONTINUED OVER

SEARCH DATE
13/1/2021 9:28AM

FOLIO: AUTO CONSOL 12165-11 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
14/9/2009	AE973850	DISCHARGE OF MORTGAGE	
11/11/2009	AF108319	TRANSFER OF LEASE	
19/11/2009	AF126372	MORTGAGE OF LEASE	
2/4/2012	AG902373	TRANSFER OF MORTGAGE	
22/1/2014	AI323220	DISCHARGE OF MORTGAGE	
22/1/2014	AI323221	LEASE	EDITION 12
5/4/2016	AK332092	CAVEAT	
27/6/2018	AN452746	CAVEAT	
27/7/2018	AN460539	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
31/12/2019	AP696237	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
23/7/2020	AQ261685	CAVEAT	

*** END OF SEARCH ***

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Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: AUTO CONSOL 12165-11

SEARCH DATE	TIME	EDITION NO	DATE
13/1/2021	9:23 AM	12	22/1/2014

LAND

LAND DESCRIBED IN SCHEDULE OF PARCELS
AT CAMPERDOWN
LOCAL GOVERNMENT AREA INNER WEST
PARISH OF PETERSHAM COUNTY OF CUMBERLAND
TITLE DIAGRAM DP976387

FIRST SCHEDULE

ZAK ONE PTY LIMITED (T AD38613)

SECOND SCHEDULE (3 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AI323221 LEASE TO AUST FINE CHINA PTY LTD EXPIRES: 30/9/2018.
OPTION OF RENEWAL: 5 YEARS.
* 3 AQ261685 CAVEAT BY MHA PBR ANNANDALE PTY LIMITED

NOTATIONS

UNREGISTERED DEALINGS: NIL

SCHEDULE OF PARCELS

LOTS 3-4 SEC. 1 IN DP976387
LOT 12 SEC. 1 IN DP976387.

*** END OF SEARCH ***

Pyrmont Bridge PRINTED ON 13/1/2021

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

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Req:R182451 /Doc:CT 11084-079 CT /Rev:16-Dec-2010 /NSW LRS /Pgs:ALL /Prt:13-Jan-2021 10:51 /Seq:1 of 4
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CERTIFICATE OF TITLE

NEW SOUTH WALES

REAL PROPERTY ACT, 1900, as amende

11084079

Vol. 11084 Fol. 79

(Page 1) Vol. 11084 Fol. 79

Appln. No.39904

Prior Titles Vol.7445 Fols. 72 and 73

AS Edition issued 2-7-1969

L449992

I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

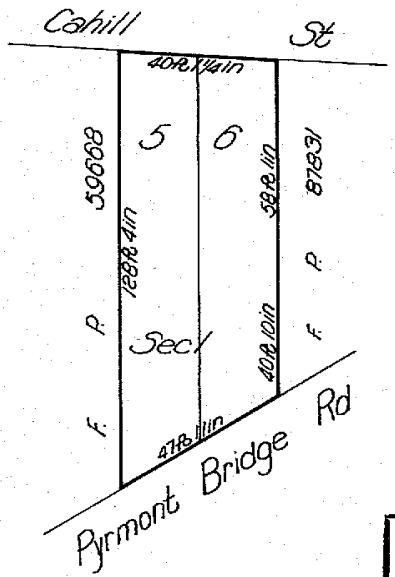
Witness B. Hinchey

CANCELLED

Registrar General.

PLAN SHOWING LOCATION OF LAND

SEE AUTO FOLIO
Auto Consol 11084-79



THE LAND WITHIN DESCRIBED IS
Lot 5 & 6 Sec 1
DP 976387

Area: 16½ per.

L449992 cpy P.I.

Scale: 40 feet to one inch.

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in the land shown in plan lodged with Primary Application No.39904 (Filed as F.P.89904) at Camperdown in the City of Sydney Parish of Petersham and County of Cumberland being Lots 5 and 6 of Section 1 of M.J. Caraher's Subdivision and being part of 240 acres granted to William Bligh on 10-8-1806.

FIRST SCHEDULE

~~PEARCE BROTHERS HOLDINGS PTY. LIMITED.~~

} Reg. Gen 8.7.1969

SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.

Registrar General

PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON

WARNING THIS DOCUMENT MUST NOT BE REMOVED FROM THE LAND TITLES OFFICE

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

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Vol. 11084 Fol 79

17 V.C.N. Blight, Government Printer

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	ENTERED	Signature of Registrar-General
~~Developmental Franchises Pty. Ltd.~~ ~~Robert Fischer of Paddington and Jack Lawes of Woollahra, Directors as Tenants in common in equal shares~~	~~Transfer~~	~~M147121~~	~~10-11-1970~~	~~31-12-1973~~	
~~Etica Pty. Limited~~	~~Transfer~~	~~P690507~~	~~——~~	~~21-5-1976~~	
~~Kobike Pty. Limited~~	~~Transfer~~	~~Q925708~~	~~——~~	~~30-10-1978~~	
* Angela Biviano and Giuseppe Biviano as tenants in common in equal shares by Transfer Z108043. Registered 20-7-1990					

~~CANCELLED~~

THE LAND WITHIN DESCRIBED IS

14-3.1995

~~SEE AUTO FOLIO~~

SECOND SCHEDULE (continued)

INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	PARTICULARS	ENTERED	Signature of Registrar-General	CANCELLATION		
~~Lease~~	~~M147121~~	~~26-11-1970~~	~~to Developmental Franchises Pty. Limited~~	~~18-2-1971~~		~~Expired~~	~~21-5-1976~~	
~~Mortgage~~	~~N259230~~	~~10.5.1973.~~	~~to Allied Credits Pty. Limited~~	~~12.9.1973.~~		~~Discharged~~	~~N662359~~	
~~Mortgage~~	~~N662360~~	~~28-12-1973~~	~~to Allied Credits Pty. Limited~~	~~24-1-1974~~		~~Cancelled~~	~~P690507~~	
~~Caveat~~	~~P365583~~	~~——~~	~~to~~	~~12-8-1975~~		~~Withdrawn~~	~~P690505~~	
~~Mortgage~~	~~P690508~~	~~——~~	~~to Lensworth Finance Limited~~	~~21-5-1976~~		~~Discharged~~	~~Q925705~~	
~~Caveat~~	~~P764131~~	~~——~~	~~——~~	~~17-6-1976~~		~~Withdrawn~~	~~P865806~~	
~~Mortgage~~	~~P783678~~	~~——~~	~~to Allied Credits Pty. Limited~~	~~2-7-1976~~		~~Discharged~~	~~Q925706~~	
~~Caveat~~	~~P866416~~	~~——~~	~~——~~	~~17-9-1976~~		~~Withdrawn~~	~~Q925704~~	
~~Mortgage~~	~~P828035~~	~~——~~	~~to Globe Investments Pty. Limited (with consent of caveator under Caveat P866416)~~	~~17-11-1976~~		~~Discharged~~	~~Q925707~~	
~~Caveat~~	~~Q95742~~	~~——~~	~~by Robert Fischer~~	~~15-3-1977~~		~~Withdrawn~~	~~Q173446~~	
~~Mortgage~~	~~Q925709~~	~~——~~	~~to Commonwealth Trading Bank of Australia~~	~~30-10-1978~~		~~Discharged~~	~~T879930~~	
						~~Withdrawn~~	~~X396956~~	
~~T869942~~	~~Caveat by Goldwyn Lowe and Jan Jan Lowe. Registered 1-12-1983~~							
~~T879931~~	~~Mortgage to Westpac Banking Corporation. Registered 21-2-1984~~							
~~T869942~~	~~Caveat. T879931 Caveators consented. Registered 21-2-1984~~							
~~X213817~~	~~Lease to Tantex Pty. Ltd.. Expires: 29.9.1988. With an Option of Renewal for 3 years.~~ Registered 7.3.1988.							
~~Y439403~~	~~LEASE TO TANTEX INVESTMENTS PTY. LIMITED EXPIRES 28/9/1988 WITH RIGHT OF RENEWAL FOR A FURTHER TERM OF 3 YEARS. REGISTERED 7/3/1988~~						Y439403	
						Z108042 cancelled. Withdrawn	Z108042 X396956	

~~NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR-GENERAL ARE CANCELLED~~

Req:R182451 /Doc:CT 11084-079 CT /Rev:16-Dec-2010 /NSW LRS /Pgs:ALL /Prt:13-Jan-2021 10:51 /Seq:3 of 4
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Vol. 11084 Fol. 79

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR | Registrar General

CANCELLED

SEE AUTO FOLIO

SECOND SCHEDULE (continued)

PARTICULARS | Registrar General | CANCELLATION

1 P

I 689523 LEASE TO NICHOLS GLOBAL ENTERRRISES PTY LIMITED AND CHURRASCARIA'S ROCHA PTY LIMITED. EXPIRES 15-8-1997. OPTION OF RENEWAL 4 YEARS WITH A FURTHER PERIOD OF 4 YRS. REGISTERED 12-11-1993.

COMPUTER FOLIO NO FURTHER DEALINGS TO BE REGISTERED.

NOTATIONS AND UNREGISTERED DEALINGS

I689523L

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
13/1/2021 10:50AM

FOLIO: AUTO CONSOL 11084-79

Recorded	Number	Type of Instrument	C.T. Issue
24/3/1995		CONSOL HISTORY RECORD CREATED FOR AUTO CONSOL 11084-79	
		PARCELS IN CONSOL ARE: 5-6/1/976387.	
10/7/2006	AC443471	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 1
3/8/2006	AC501979	MORTGAGE	EDITION 2
6/10/2006	AC647667	CAVEAT	
5/4/2007	AD38610	WITHDRAWAL OF CAVEAT	
5/4/2007	AD38611	DISCHARGE OF MORTGAGE	
5/4/2007	AD38613	TRANSFER	
5/4/2007	AD38614	MORTGAGE	EDITION 3
13/4/2007	AD49090	MORTGAGE	EDITION 4
30/1/2008	AD729843	LEASE	EDITION 5
18/2/2008	AD773908	DISCHARGE OF MORTGAGE	EDITION 6
7/3/2008	AD814118	MORTGAGE OF LEASE	
14/9/2009	AE973850	DISCHARGE OF MORTGAGE	
11/11/2009	AF108319	TRANSFER OF LEASE	
19/11/2009	AF126372	MORTGAGE OF LEASE	
17/11/2010	AF884666	DEPARTMENTAL DEALING	
2/4/2012	AG902373	TRANSFER OF MORTGAGE	
22/1/2014	AI323220	DISCHARGE OF MORTGAGE	
22/1/2014	AI323221	LEASE	EDITION 7
5/4/2016	AK332092	CAVEAT	

END OF PAGE 1 - CONTINUED OVER

SEARCH DATE
13/1/2021 10:50AM

FOLIO: AUTO CONSOL 11084-79 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
27/6/2018	AN452746	CAVEAT	
27/7/2018	AN460539	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
7/1/2020	AP736364	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
23/7/2020	AQ261685	CAVEAT	

*** END OF SEARCH ***

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Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: AUTO CONSOL 11084-79

SEARCH DATE	TIME	EDITION NO	DATE
13/1/2021	10:47 AM	7	22/1/2014

LAND

LAND DESCRIBED IN SCHEDULE OF PARCELS
LOCAL GOVERNMENT AREA INNER WEST
PARISH OF PETERSHAM COUNTY OF CUMBERLAND
TITLE DIAGRAM DP89904

FIRST SCHEDULE

ZAK ONE PTY LIMITED (T AD38613)

SECOND SCHEDULE (3 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AI323221 LEASE TO AUST FINE CHINA PTY LTD EXPIRES: 30/9/2018.
OPTION OF RENEWAL: 5 YEARS.
* 3 AQ261685 CAVEAT BY MHA PBR ANNANDALE PTY LIMITED

NOTATIONS

DISPOSAL OF ANY LOT IN THIS TITLE MAY REQUIRE REGISTRATION OF A DEPOSITED PLAN OF SURVEY PURSUANT TO SEC 114 REAL PROPERTY ACT 1900 .

UNREGISTERED DEALINGS: NIL

SCHEDULE OF PARCELS

LOTS 5-6 SEC. 1 IN DP976387.

*** END OF SEARCH ***

Pyrmont Bridge PRINTED ON 13/1/2021

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Req:R197816 /Doc:DL A361598 /Rev:06-Jan-2015 /NSW LRS /Pgs:ALL /Prt:15-Jan-2021 15:11 /Seq:1 of 4
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REC'D -7 FEB 1918 2.59 PM

No. A361598

TRANSMISSION APPLICATION.

This Property was included amongst the Assets of Deceased & Duty paid thereon

REGISTRAR-GENERAL · NEW SOUTH WALES

New South Wales.

Notice sent to Deputy Federal Commissioner of Taxation

Fees—	£	s.	d.
Assurance	10	13	7
Certificate			
Registd. Proprietor	1	0	0
Endorsements		8	0
Total	£12	1	7

APPLICATION TO BE REGISTERED UNDER THE REAL PROPERTY ACT, 1900 (SECTION 94), AS PROPRIETOR BY TRANSMISSION.

A361598

(Date) 7 2 1918.

(Cashier)

a Christian and Surname in full, with residence and occupation.

I, JAMES BROWN of "Glen "Lea" Currabubula in the State of New South Wales Grazier

b If a less Estate, alter to accord with the fact.

do solemnly and sincerely declare, that I verily believe myself to be entitled for an Estate [*in fee simple*][b] to the land described in the Certificate of Title held by ALEXANDER BROWN late of Annandale Grazier deceased,

Reg. Vol.	Fol.
2309	17
1264	125
904	143
847	140
2499	185

Folio

Vol.

d Executor, Trustee, Devisee, or as the case may be,—with any required information or particulars.

herewith deposited and surrendered,—I having become so entitled as[d] Devisee under the Will of Elizabeth Dempster Brown to whom the said lands were devised by the said Alexander Brown

Certificate of Title issued

e Present value, inclusive of all improvements.

In further verification whereof, I have deposited the Documents enumerated in the Schedule hereto. I also declare that the said land is now of the value of[e] Five thousand ~~eight~~ one hundred and twenty five pounds sterling, also that no other person is within my knowledge entitled to any Estate or Interest in the said land [*except as follows*—]' Alexander ~~Stewart~~ Stuart as Trustee for ~~and his issue~~ Isabella Dempster Allan under Conveyance from the said Alexander Brown to the said Alexander ~~Stewart~~ Stuart dated 16th. April 1915 Registered NO. 87 Book 1058 as regards part of the land in Certificate of Title Vol. 2499 Folio 185 and Albert Staveley and Edward Staveley as lessees of land in Certificate of Title Vol. 1264 Folio 125 for five years from 1st December 1917 under Agreement dated 1st December 1917

f State particulars of any mortgage, lease, &c.; if none, strike out the words in brackets.

and I make this solemn declaration, conscientiously believing the same to be true.

SCHEDULE.

CAUTION.—By Section 126, any applicant procuring a Certificate through any fraud, error, omission, misrepresentation or misdescription will, notwithstanding the issue of such Certificate, remain liable for damages to any person thereby prejudiced. And any person who fraudulently procures, assists in fraudulently procuring, or is privy to the fraudulent procurement of any Certificate of Title, is declared guilty of a misdemeanor, and liable to a penalty not exceeding £500, or imprisonment not exceeding three years; and any Certificate thereby procured is rendered void as between all parties or privies to the fraud.

[*Price 6d.*]

Only documents additional to those enumerated on the first page should be set out here.
The following are usually required under s. 94—
If deceased proprietor died intestate, Letters of Administration.
If the claim be by Devisee, original office copy or probate of the will.
If made under settlement, the original should be deposited.

SCHEDULE OF DOCUMENTS DEPOSITED.*

84 5122

1) 1918 January 24. Statutory Declaration of James Brown
2) 1918 " " " " Margaret Mitchell
3) 1913 Feb. 19. Office Copy Will of Alexander Brown dec'd.
4) 1915 Dec. 15 " " " " Elizabeth Dempster Brown dec'd.
1917 Sept. 15 " Codicil to Will of " " " "

11 FEB 1918

[Rule up all blanks before signature.]

DATED at Sydney the twenty fourth
day of January 1918.

Made and subscribed by the abovenamed
JAMES BROWN
the 24th day of January
1918, in the presence of

James Brown
(*Signature of Applicant.*)

[The Certificate of correctness on the back also requires signature.]

L. Mackenzie J.P.

The Declaration must be attested by the Registrar General, or Deputy, or by a Notary Public, or by a Justice of the Peace, or by a Commissioner for taking Affidavits.

¶ In no case can any alteration, however trifling, be allowed to be made after the application has been once declared, unless all the parties re-sign and re-declare the same. If it is discovered that any alterations are necessary, the applicant may make a statutory declaration setting out in what manner he desires the application to be altered, which declaration will then (unless the Registrar General considers that a fresh application ought to be made) be read as one with the application.

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Req:R197816 /Doc:DL A361598 /Rev:06-Jan-2015 /NSW LRS /Pgs:ALL /Prt:15-Jan-2021 15:11 /Seq:2 of 4

Req:R197816 /Doc:DL A361598 /Rev:06-Jan-2015 /NSW LRS /Pgs:ALL /Prt:15-Jan-2021 15:11 /Seq:3 of 4
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Tagged with Dnfr A361607.

5 30.1.1918 Stat. declin. of Alexander Stewart.
6 29.1.1918 Stat. declin. of J.D. Allan.
7 4.2.1918 Stat. declin. of James Brown with annexures "A" & "B"

No. A361598

APPLICATION BY TRANSMISSION.

5¾ Pchs Parts of Lot 26 of the Fitzroy Terrace Estate At Camperdown (In Pyrmont Bridge Road)
2nds 5 pchs. Part Lot 25 of the Camperdown Estate Mun of Camperdown. (Gordon St)
28 Pchs. Lots 1.2 & 3 Sec: O D.P 3474. At
25¼ Pchs Part Lots 21. 22 & 23 Sec 39 D.P 1907. Mun of Annandale

~~Deceased~~.

Alexander Brown. Deceased

James Brown.

Applicant.

PARTICULARS ENTERED IN REGISTER BOOK.

Vol. 847 Fol. 140. Vol 904 Fol 143. Vol 1264 Fol 125. Vol 2309 Fol 17 & Vol 2499 Fol 185.

the 7th 21st day of ~~February~~ March 1918, at 10 o'clock in the fore noon.

INDEXED
26 MAR 1918

Registrar General.

I, the within-named and undersigned,

James Brown

do hereby certify that the within application is correct for the purposes of the Real Property Act, 1900.

Alfred Mitchell

(*Signature of Applicant, ~~or his~~ Solicitor.*)

CAUTION.—Any person falsely or negligently certifying as above is liable to a penalty of £50. Sec. 117 of R.P.A., 1900.

Lodged by

(*Name*) Alfred Mitchell

(*Address*) 167 Clarence St

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Req:R197816 /Doc:DL A361598 /Rev:06-Jan-2015 /NSW LRS /Pgs:ALL /Prt:15-Jan-2021 15:11 /Seq:4 of 4

Req:R190858 /Doc:BK 4342-083 NO /Rev:28-Mar-2002 /NSW LRS /Pgs:ALL /Prt:14-Jan-2021 13:44 /Seq:1 of 3
© Office of the Registrar-General /Src:INFOTRACK /Ref:pyrmont bridge

10-0530

CA NUMBER 86114

DEEDS INDEX PARTICULARS

BK 4342 NO 83

(A)

Delivery Box	Name, Address/DX
245	CTS Telephone no. Reference 409779-TE94

(B)

Nature of Instrument	Date of Instrument
CONVEYANCE	11/08/95

(C) Leave blank where instrument does not affect old system land

Locality of the land	LINK CONVEYANCE-for old system land			PRINCIPAL DEED
	Book	Number	Whole/Part	
CAMPERDOWN	3698	590	WHOLE	

LOCAL GOVT. AREA	PARISH	COUNTY
LEICHHARDT	PETERSHAM	CUMBERLAND

NOTING [Office use only]	

(D)

Entry	GIVEN NAMES/COMPANY NAME	FAMILY NAME
V	BEXOKA PTY LIMITED ACN 002986129	
P	JOHN FRANK	FALCON
P	ANITA RENEE ODILE	FALCON

(E)

I, Damien Heffron of Level 1, 16-24 Elsie Street, Burwood NSW

certify that for the purposes of section 184D(3) of the Conveyancing Act 1919 that:

1. the registration copy is a true copy of the original and
2. the above index particulars of the original instrument [and on the annexure(s)] are complete and correct.

Signed D.Hff Date 19/3/02

Entered Verified

Req:R190858 /Doc:BK 4342-083 NO /Rev:28-Mar-2002 /NSW LRS /Pgs:ALL /Prt:14-Jan-2021 13:44 /Seq:2 of 3
© Office of the Registrar-General /Src:INFOTRACK /Ref:pyrmont bridge

THIS DEED made the 11th. day of August One Thousand Nine Hundred and Ninety Five.

OFFICE OF STATE REVENUE
(FOR THE COMMISSIONER OF THE TREASURY) 53
DUTY: 2-00 18343

BETWEEN

BEXOKA PTY LIMITED (A.C.N. 002 986 129) a Company duly incorporated of 130 Pyrmont Bridge Road, Camperdown in the State of New South Wales (hereinafter called "the Vendor") of the one part,

AND

JOHN FRANK FALCON and **ANITA RENEE ODILE FALCON** both of 65 Buvelot Street, Weston in the State of Australian Capital Territory (hereinafter called "the Purchaser") of the other part WITNESSETH that in consideration of the sum of Five Hundred and Sixty Five Thousand Dollars ($565,000.00) paid to the Vendor by the Purchaser (the receipt whereof is hereby acknowledged) being the same sum as is expressed to be paid in Memorandum of Transfer of the whole of the land comprised in Certificate of Title Folio Identifier 1/120389 of even date herewith and made between the same parties as are parties hereto, the Vendor as beneficial owner DOTH HEREBY CONVEY unto the Purchaser in Fee Simple ALL THAT piece of land containing nineteen perches being part of the Fitzroy Terrace Estate and being the land comprised in Conveyance Book 400 Number 181 and Conveyance Number 482 Book 366 situated at Camperdown in the City of Sydney Parish of Petersham County of Cumberland and State of New South Wales COMMENCING at a point on the North Western side of Pyrmont Bridge Road being the Easternmost point of land in Certificate of Title Volume 904 Folio 143 and bounded on part of the South West by the North Eastern boundary of land in that Certificate of Title being a line bearing 335 degrees 00 minutes for 56 feet 7 inches bounded thence on part of the South East by the North Western boundaries of land in Certificate of Title Volume 904 Folio 143 and Volume 847 Folio 140 being a line bearing 259 degrees 27 minutes 50 seconds for 25 feet 0 inches bounded thence on the remainder of the South West by a line which passes for most of its length along the South Western face of a brick wall

$0.00 $565,000.00 $0.00 $565,000.00

P A Fenner

Req:R190858 /Doc:BK 4342-083 NO /Rev:28-Mar-2002 /NSW LRS /Pgs:ALL /Prt:14-Jan-2021 13:44 /Seq:3 of 3
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bearing 335 degrees 00 minutes for 112 feet 1 1/4 inches to the South Eastern side of Cahill Street and bounded on the North West by part of that side of that street being a line bearing 69 degrees 27 minutes 50 seconds for 40 feet 0 inches bounded thence on the North East by a line which passes along the North Eastern face of a brick wall bearing 155 degrees 05 minutes 30 seconds for 157 feet 10 1/2 inches to the Northern Western side of Pyrmont Bridge Road aforesaid and bounded thence on the remainder of the South East by part of that side of that Road being a line bearing 211 degrees 42 minutes for 17 feet 7 inches to the point of COMMENCEMENT be the said area and several dimensions all a little more or less.

IN WITNESS WHEREOF the Vendor has hereunto subscribed its name and affixed its seal the day and year first hereinbefore written.

THE COMMON SEAL of BEXOKA)
PTY LIMITED was hereunto affixed)
by authority of the Board of Directors)
in the presence of:-)

BEXOKA PTY. LIMITED A.C.N. 002 930 129 Common Seal

P A Fenais
.....
Secretary

.....
Director

BEXOKA PTY. LIMITED A.C.N. 002 930 129 Common Seal

95901579

REGISTERED
REGISTRAR GENERAL NEW SOUTH WALES
25 MAR 2002
BOOK 4342 No. 83

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
14/1/2021 1:24PM

FOLIO: 1/1042386

First Title(s): OLD SYSTEM
Prior Title(s): BK 4342 NO 83

Recorded	Number	Type of Instrument	C.T. Issue
14/6/2002	DP1042386	DEPOSITED PLAN	FOLIO CREATED EDITION 1
14/6/2002	CA86114	CONVERSION ACTION	
20/4/2005	AB423694	DISCHARGE OF MORTGAGE	
20/4/2005	AB423696	TRANSFER	
20/4/2005	AB423697	MORTGAGE	EDITION 2
13/7/2006	AC452274	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 3
27/2/2007	DP1101482	DEPOSITED PLAN	FOLIO CANCELLED
27/2/2007	PA82159	PRIMARY APPLICATION	

*** END OF SEARCH ***

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Received: 14/01/2021 13:24:29

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
14/1/2021 1:24PM

FOLIO: 1/120389

First Title(s): OLD SYSTEM
Prior Title(s): VOL 7621 FOL 119

Recorded	Number	Type of Instrument	C.T. Issue
11/5/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
24/6/1994	U383800	DEPARTMENTAL DEALING	
28/8/1995	O488928	DISCHARGE OF MORTGAGE	
28/8/1995	O488929	TRANSFER	
28/8/1995	O488930	MORTGAGE	EDITION 1
20/4/2005	AB423695	DISCHARGE OF MORTGAGE	
20/4/2005	AB423696	TRANSFER	
20/4/2005	AB423697	MORTGAGE	EDITION 2
27/2/2007	DP1101482	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

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97-01T

TRANSFER

Real Property Act, 1900

0 488929 H

Office of State Revenue use only

$2.00

N.S.W. STAMP DUTY

0208955 7504 04 00183792/01

(A) **LAND TRANSFERRED**

Show no more than 20 References to Title.
If appropriate, specify the shares transferred.

FOLIO IDENTIFIER 1/120389

(B) **LODGED BY**

L.T.O. Box	Name, Address or DX and Telephone
24J	COMMONWEALTH BANK OF AUSTRALIA 120 PITT ST SYDNEY NSW PHONE: 312 2195 DX 434 REFERENCE (max. 15 characters): 409779 -7694

OFFICE OF STATE REVENUE
STAMP DUTY (N.S.W. TREASURY)
1ST REC Nº 1834792
DUTY $2 - 00

(C) **TRANSFEROR** BEXOKA PTY LIMITED (A.C.N. 002 968 129)

(D) acknowledges receipt of the consideration of $565,000.00

and as regards the land specified above transfers to the Transferee an estate in fee simple

(E) subject to the following **ENCUMBRANCES** 1. ..... 2. ..... 3. .....

(F) **TRANSFEREE** T JOHN FRANK FALCON and ANITA RENEE ODILE FALCON

(G) **TENANCY:** Joint Tenants

(H) We certify this dealing correct for the purposes of the Real Property Act, 1900. **DATED** 12/8/99

Signed in my presence by the Transferor who is personally known to me.

THE COMMON SEAL of BEXOKA PTY LIMITED was)
hereunto affixed by Authority of the)
~~Signature of Witness~~)
Board of Directors in the presence of:)
~~Name of Witness (BLOCK LETTERS)~~

BEXOKA PTY. LIMITED A.C.N. 002 968 129 Common Seal

P A Fenech
Secretary ~~Address of Witness~~

Director ~~Signature of Transferor~~

Signed in my presence by the Transferee who is personally known to

BEXOKA PTY. LIMITED A.C.N. 002 968 129 Common Seal

BEXOKA PTY. LIMITED A.C.N. 002 968 129 Common Seal

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address of Witness

Solicitor for ~~Signature of~~ Transferee

INSTRUCTIONS FOR FILLING OUT THIS FORM ARE AVAILABLE FROM THE LAND TITLES OFFICE

CHECKED BY (office use only)

Ausdoc Commercial and Law Stationers 1991

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
14/1/2021 1:23PM

FOLIO: 100/1101482

First Title(s): OLD SYSTEM
Prior Title(s): 1/120389 1/1042386

Recorded	Number	Type of Instrument	C.T. Issue
27/2/2007	DP1101482	DEPOSITED PLAN	FOLIO CREATED EDITION 1
30/1/2008	AD729866	LEASE	EDITION 2
7/3/2008	AD814117	MORTGAGE OF LEASE	
14/9/2009	AE973849	DISCHARGE OF MORTGAGE	
11/11/2009	AF108367	TRANSFER OF LEASE	
19/11/2009	AF126362	MORTGAGE OF LEASE	
31/5/2010	AF524245	DISCHARGE OF MORTGAGE	EDITION 3
2/4/2012	AG902396	TRANSFER OF MORTGAGE	
22/1/2014	AI323231	LEASE	EDITION 4
5/4/2016	AK332091	CAVEAT	
27/6/2018	AN452745	CAVEAT	
26/7/2018	AN460487	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
31/12/2019	AP696209	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
23/7/2020	AQ261688	CAVEAT	

*** END OF SEARCH ***

pyrmont bridge PRINTED ON 14/1/2021

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Received: 14/01/2021 13:23:34

Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 100/1101482

SEARCH DATE	TIME	EDITION NO	DATE
14/1/2021	1:22 PM	4	22/1/2014

LAND

LOT 100 IN DEPOSITED PLAN 1101482
AT ANNANDALE
LOCAL GOVERNMENT AREA INNER WEST
PARISH OF PETERSHAM COUNTY OF CUMBERLAND
TITLE DIAGRAM DP1101482

FIRST SCHEDULE

130 PBR PTY LIMITED

SECOND SCHEDULE (3 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AI323231 LEASE TO AUST FINE CHINA PTY LTD OF 130 PYRMONT BRIDGE ROAD, CAMPERDOWN. EXPIRES: 30/9/2018. OPTION OF RENEWAL: 5 YEARS.
* 3 AQ261688 CAVEAT BY MHA PBR ANNANDALE PTY LIMITED

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

Pyrmont bridge PRINTED ON 14/1/2021

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Received: 14/01/2021 13:22:51

Req:R190670 /Doc:CT 11405-212 CT /Rev:04-Feb-2011 /NSW LRS /Pgs:ALL /Prt:14-Jan-2021 13:30 /Seq:1 of 2
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PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON

(Page 1) Vol. 11405 Fol. 212

NEW SOUTH WALES

ICATE OF TITLE

PERTY ACT, 1900, as amended.

Appln. No. 47208

Vol. 11405 Fol. 212

Edition issued 10-9-1970

I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

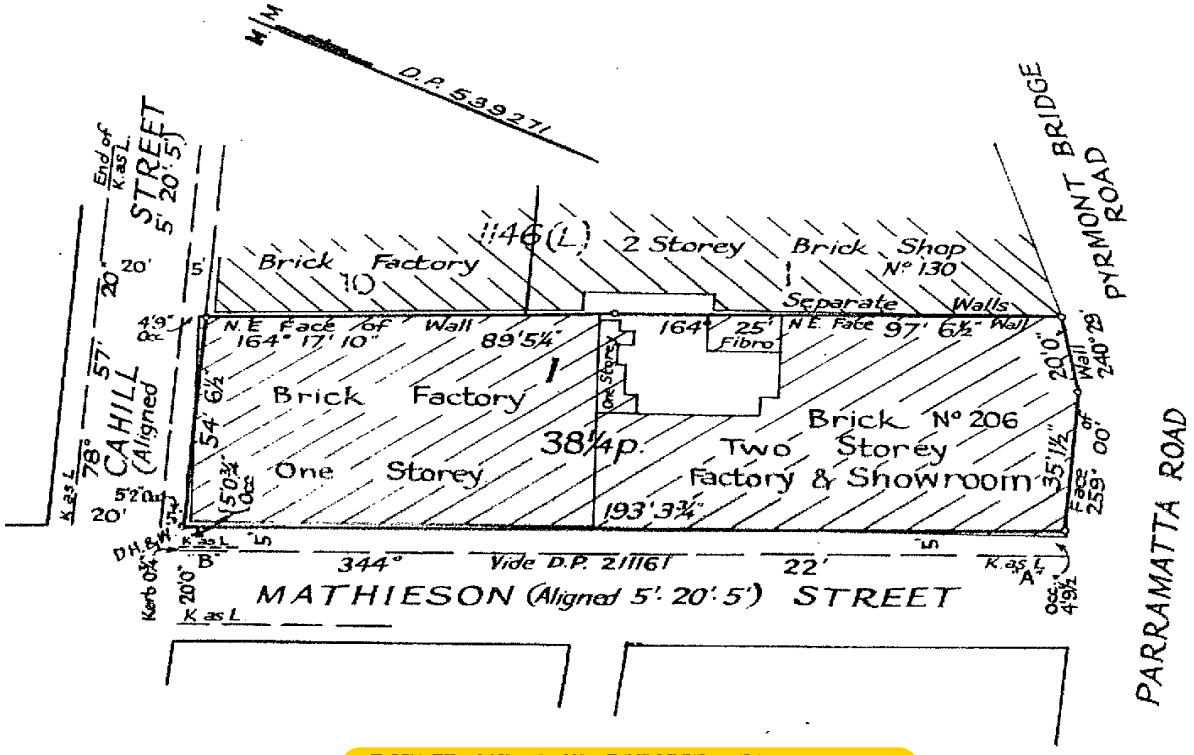
Witness

CANCELLED

Registrar General.

SEE AUTO FOLIO

PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 1 in Deposited Plan 539271 at Camperdown in the Municipality of Leichhardt Parish of Petersham and County of Cumberland being part of 240 acres granted to William Bligh on 10-8-1806.

FIRST SCHEDULE

~~MOVITEX & MOVIGRAPH SYSTEMS PTY. LIMITED.~~

SECOND SCHEDULE

GRY

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.

Registrar General.

RG 7/62 NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.

V. C. N. BLIGHT, GOVERNMENT PRINTER

Vol. 11405 Fol 212

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	ENTERED	Signature of Registrar-General
Anthony Erling McDonough and Mardee Ann McDonough as joint tenants by Transfer V404199. Registered 29-10-1984					

CANCELLED

SEE AUTO FOLIO

SECOND SCHEDULE (continued)

INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	PARTICULARS	ENTERED	Signature of Registrar-General	CANCELLATION		
~~Mortgage~~	~~L900471~~	~~18-6-1970~~	~~To: The Commercial Bank of Australia Limited~~	~~10-9-1990~~		Discharged	Q308592	
~~Mortgage~~	~~L665832~~	~~16-9-1969~~	~~To: Commonwealth Development Bank of Australia~~	~~10-9-1990~~		Discharged	Q308591	
~~Mortgage~~	Q308593		~~to A.M.P. Acceptances Limited~~	~~2-8-1977~~		Discharged	S809924	
~~Mortgage~~	~~R53944~~		~~to Australia and New Zealand Banking Group Limited~~	~~1-2-1979~~		Discharged	V404198	

(Page 2 of 2 pages)

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR-GENERAL ARE CANCELLED

Req:R190670 /Doc:CT 11405-212 CT /Rev:04-Feb-2011 /NSW LRS /Pgs:ALL /Prt:14-Jan-2021 13:30 /Seq:2 of 2
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Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
14/1/2021 1:29PM

FOLIO: 1/539271

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 11405 FOL 212

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
15/7/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
7/10/1988	X883216	MORTGAGE	EDITION 1
5/12/1990	Z325074	LEASE	EDITION 2
9/2/1995	O6396	LEASE	EDITION 3
24/1/1997	2788070	LEASE	EDITION 4
30/9/1997	3455084	MORTGAGE	EDITION 5
14/12/1998	5460239	DISCHARGE OF MORTGAGE	
14/12/1998	5460240	DISCHARGE OF MORTGAGE	
14/12/1998	5460241	TRANSFER	
14/12/1998	5460242	MORTGAGE	EDITION 6
10/8/2009	AE890269	CHANGE OF NAME	
10/8/2009	AE890270	LEASE	EDITION 7
1/2/2016	AK182564	DISCHARGE OF MORTGAGE	
1/2/2016	AK182565	SURRENDER OF LEASE	
1/2/2016	AK182566	TRANSFER	EDITION 8
5/4/2016	AK332093	CAVEAT	
27/6/2018	AN452744	CAVEAT	
26/7/2018	AN460554	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
31/12/2019	AP696124	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
23/7/2020	AQ261709	CAVEAT	

*** END OF SEARCH ***

pyrmont bridge PRINTED ON 14/1/2021

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Received: 14/01/2021 13:29:45

Req:R190668 /Doc:DL 5460241 /Rev:15-Dec-1998 /NSW LRS /Pgs:ALL /Prt:14-Jan-2021 13:29 /Seq:1 of 1
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Form: 7J-011
Licensee: AUS/0634/96

TRANSFER

New South Wales
Real Property Act 1900

5460241F

Instructions for filling out this form are available from the Land Titles Office

Office of State Revenue use only

N.S.W. STAMP DUTY
$2.00
110598 1927 04 20144036S/03

(A) **LAND TRANSFERRED**
If appropriate, specify the share or part transferred.

Folio Identifier 1/539271

(B) **LODGED BY**

LTO Box	Name, Address or DX and Telephone
23	Reference (15 character maximum): MEXICAN HAMM /SRGT

(C) **TRANSFEROR** ANTHONY ERLING MCDONOUGH and MARDEE ANN MCDONOUGH

(D) acknowledges receipt of the consideration of $1,200,000
and as regards the land specified above transfers to the transferee an estate in fee simple.

(E) Encumbrances (if applicable): 1. ..... 2. ..... 3. .....

(F) **TRANSFEREE**

T **TS** (s713 LGA) **TW** (Sheriff)	THE MEXICAN HAMMOCK COMPANY PTY LIMITED (ACN 079 312 324)

(G) [redacted]:

(H) We certify this dealing correct for the purposes of the Real Property Act 1900. **DATE** 17/11/98
Signed in my presence by the transferor who is personally known to me.

Signature of Witness

WILLIAM FRANCIS MASON
Name of Witness (BLOCK LETTERS)

5 ELIZABETH ST SYDNEY
Address of Witness

Signature of Transferor

Signed in my presence by the transferee who is personally known to me.

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address of Witness

Solicitor for xxxxxxxx Signature of Transferee
T M MOORE
If signed on the transferee's behalf by a solicitor or licensed conveyancer, show the signatory's full name in block letters.

Checked by (LTO use) .....

Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/539271

SEARCH DATE	TIME	EDITION NO	DATE
14/1/2021	1:29 PM	8	1/2/2016

LAND

LOT 1 IN DEPOSITED PLAN 539271
AT CAMPERDOWN
LOCAL GOVERNMENT AREA INNER WEST
PARISH OF PETERSHAM COUNTY OF CUMBERLAND
TITLE DIAGRAM DP539271

FIRST SCHEDULE

CAMPERDOWN ADMINISTRATION PTY LTD (T AK182566)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
* 2 AQ261709 CAVEAT BY MHA PBR ANNANDALE PTY LIMITED

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

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Appendix C: Laboratory Results Summary Tables

ABBREVIATIONS AND EXPLANATIONS

Abbreviations used in the Tables:

ABC: Ambient Background Concentration
ACM: Asbestos Containing Material
ADWG: AustralianDrinking Water Guidelines
AF: Asbestos Fines
ANZG Australian and New Zealand Guidelines
B(a)P: Benzo(a)pyrene
CEC: Cation Exchange Capacity
CRC: Cooperative Research Centre
CT: Contaminant Threshold
EILs: Ecological Investigation Levels
ESLs: Ecological Screening Levels
FA: Fibrous Asbestos
GIL: Groundwater Investigation Levels
GSW: General Solid Waste
HILs: Health Investigation Levels
HSLs: Health Screening Levels
HSL-SSA: Health Screening Level-SiteSpecific Assessment
kg/L kilograms per litre
NA: Not Analysed
NC: Not Calculated
NEPM: National Environmental Protection Measure
NHMRC: National Health and Medical Research Council
NL: Not Limiting
NSL: No Set Limit
OCP: Organochlorine Pesticides
OPP: Organophosphorus Pesticides
PAHs: Polycyclic Aromatic Hydrocarbons
%w/w: weight per weight
ppm: Parts per million
PCBs: Polychlorinated Biphenyls
PCE: Perchloroethylene (Tetrachloroethylene or Teterachloroethene)
pH_{KCL} : pH of filtered 1:20, 1M KCL extract, shaken overnight
pH_{ox} : pH of filtered 1:20 1M KCl after peroxide digestion
PQL: Practical Quantitation Limit
RS: Rinsate Sample
RSL: Regional Screening Levels
RSW: Restricted Solid Waste
SAC: Site Assessment Criteria
SCC: Specific Contaminant Concentration
S_{Cr}: Chromium reducible sulfur
S_{POS}: Peroxide oxidisable Sulfur
SSA: Site Specific Assessment
SSHSLs: Site Specific Health Screening Levels
TAA: Total Actual Acidity in 1M KCL extract titrated to pH6.5
TB: Trip Blank
TCA: 1,1,1 Trichloroethane (methyl chloroform)
TCE: Trichloroethylene (Trichloroethene)
TCLP: Toxicity Characteristics Leaching Procedure
TPA: Total Potential Acidity, 1M KCL peroxide digest
TS: Trip Spike
TRH: Total Recoverable Hydrocarbons
TSA: Total Sulfide Acidity (TPA-TAA)
UCL: Upper Level Confidence Limit on Mean Value
USEPA United States Environmental Protection Agency
VOCC: Volatile Organic Chlorinated Compounds
WHO: World Health Organisation

Table Specific Explanations:

HIL Tables:

- The chromium results are for Total Chromium which includes Chromium III and VI. For initial screening purposes, we have assumed that the samples contain only Chromium VI unless demonstrated otherwise by additional analysis.
- Carcinogenic PAHs is a toxicity weighted sum of analyte concentrations for a specific list of PAH compounds relative to B(a)P. It is also refered to as the B(a)P Toxic Equivalence Quotient (TEQ).
- Statistical calculations are undertaken using ProUCL (USEPA). Statistical calculation is usually undertaken using data from fill samples.

EIL/ESL Table:

- ABC Values for selected metals have been adopted from the published background concentrations presented in Olszowy et. al., (1995), Trace Element Concentrations in Soils from Rural and Urban New South Wales (the 25th percentile values for old suburbs with high traffic have been quoted).

Waste Classification and TCLP Table:

- Data assessed using the NSW EPA Waste Classification Guidelines, Part 1: Classifying Waste (2014).
- The assessment of Total Moderately Harmful pesticides includes: Dichlorovos, Dimethoate, Fenitrothion, Ethion, Malathion and Parathion.
- Assessment of Total Scheduled pesticides include: HBC, alpha-BHC, gamma-BHC, beta-BHC, Heptachlor, Aldrin, Heptachlor Epoxide, gamma-Chlordane, alpha-chlordane, pp-DDE, Dieldrin, Endrin, pp-DDD, pp-DDT, Endrin Aldehyde.

QA/QC Table:

- Field blank, Inter and Intra laboratory duplicate results are reported in mg/kg.
- Trip spike results are reported as percentage recovery.
- Field rinsate results are reported in µg/L.

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TABLE S1
SOIL LABORATORY RESULTS COMPARED TO NEPM 2013.
HIL-B: 'Residential with minimal opportunities for soil access; including dwellings with fully/permanently paved yards like high-rise buildings'

All data in mg/kg unless stated otherwise			HEAVY METALS								PAHs		ORGANOCHLORINE PESTICIDES (OCPs)							OP PESTICIDES (OPPs)	TOTAL PHENOLICS	TOTAL PCBs	ASBESTOS FIBRES
			Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc	Total PAHs	Carcinogenic PAHs	HCB	Endosulfan	Methoxychlor	Aldrin & Dieldrin	Chlordane	DDT, DDD & DDE	Heptachlor	Chlorpyrifos			
PQL - Envirolab Services			4	0.4	1	1	1	0.1	1	1	-	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5	0.1	100
Site Assessment Criteria (SAC)			500	150	500	30000	1200	120	1200	60000	400	4	15	400	500	10	90	600	10	340	45000	1	Detected/Not Detected
Sample Reference	**Sample Depth**	**Sample Description**																					
BH1	0.15-0.25	F: Silty Sand	<4	<0.4	**16**	<1	**10**	<0.1	<1	<1	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Not Detected
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	<4	<0.4	**11**	<1	**9**	<0.1	<1	<1	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	NA
BH1	0.6-0.85	Sandstone	<4	<0.4	**1**	<1	**7**	<0.1	<1	<1	<0.05	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH2	0.2-0.3	F: Silty Gravelley Sand	<4	<0.4	**8**	**25**	**4**	<0.1	**22**	**19**	**0.1**	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Not Detected
BH2	0.45-0.55	Silty Clay	**6**	<0.4	**45**	**4**	**10**	<0.1	<1	**8**	<0.05	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH3	0.2-0.3	F: Silty Gravelley Sand	**5**	**0.6**	**14**	**76**	**340**	**0.7**	**8**	**280**	**12**	**1.8**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Detected
BH3	0.6-0.7	Sandstone	**6**	<0.4	**26**	**6**	**64**	**0.1**	<1	**22**	**1.6**	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH4	0.15-0.25	F: Silty Gravelley Sand	**5**	**0.8**	**22**	**210**	**120**	**0.1**	**41**	**350**	**10**	**1.5**	<0.1	<0.1	<0.1	**6.8**	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Detected
BH4 - [LAB_DUP]	0.15-0.25	F: Silty Gravelley Sand	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	<0.1	<0.1	**7.2**	<0.1	<0.1	<0.1	NA	NA	NA	NA
BH4	0.45-0.55	F: Silty Gravelley Sand	<4	**0.5**	**14**	**56**	**48**	<0.1	**17**	**390**	**2.3**	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH5	0.15-0.2	F: Sand	<4	<0.4	**13**	**8**	**5**	<0.1	**2**	**38**	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Not Detected
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	<4	<0.4	**14**	**10**	**5**	<0.1	**2**	**8**	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	NA
BH5 - [TRIPLICATE]	0.15-0.2	F: Sand	<4	<0.4	**12**	**10**	**6**	<0.1	**2**	**9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH5	0.25-0.35	F: Silty Gravelley Sand	<4	<0.4	**15**	**64**	**19**	<0.1	**63**	**50**	<0.05	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SDUP1	-	Field Duplicate	**5**	<0.4	**17**	**45**	**230**	**0.8**	**7**	**190**	**20**	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Number of Samples			14	14	14	14	14	14	14	14	13	13	8	8	8	8	8	8	8	7	6	7	5
Maximum Value			6	0.8	45	210	340	0.8	63	390	20	2.6	<PQL	<PQL	<PQL	7.2	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	Detected

Concentration above the SAC **VALUE**
Concentration above the PQL **Bold**

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TABLE S2
SOIL LABORATORY RESULTS COMPARED TO HSLs
All data in mg/kg unless stated otherwise

					C_6-C_{10} (F1)	$>C_{10}$-C_{16} (F2)	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Field PID Measurement
PQL - Envirolab Services					25	50	0.2	0.5	1	1	1	ppm
NEPM 2013 HSL Land Use Category					**HSL-A/B: LOW/HIGH DENSITY RESIDENTIAL**							
Sample Reference	**Sample Depth**	**Sample Description**	**Depth Category**	**Soil Category**								
BH1	0.15-0.25	F: Silty Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	-
BH1	0.6-0.85	Sandstone	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH2	0.2-0.3	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH2	0.45-0.55	Silty Clay	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH3	0.2-0.3	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0.1
BH3	0.6-0.7	Sandstone	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0.1
BH4	0.15-0.25	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0.2
BH4	0.45-0.55	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH5	0.15-0.2	F: Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	-
BH5	0.25-0.35	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
SDUP1	-	Field Duplicate			<25	<50	<0.2	<0.5	<1	<3	<1	-
Total Number of Samples					13	13	13	13	13	13	13	10
Maximum Value					<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.2

Concentration above the SAC **VALUE**
Concentration above the PQL **Bold**
The guideline corresponding to the concentration above the SAC is highlighted in grey in the Site Assessment Criteria Table below

HSL SOIL ASSESSMENT CRITERIA

Sample Reference	**Sample Depth**	**Sample Description**	**Depth Category**	**Soil Category**	C_6-C_{10} (F1)	$>C_{10}$-C_{16} (F2)	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene
BH1	0.15-0.25	F: Silty Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH1	0.6-0.85	Sandstone	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH2	0.2-0.3	F: Silty Gravelley Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH2	0.45-0.55	Silty Clay	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH3	0.2-0.3	F: Silty Gravelley Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH3	0.6-0.7	Sandstone	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH4	0.15-0.25	F: Silty Gravelley Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH4	0.45-0.55	F: Silty Gravelley Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH5	0.15-0.2	F: Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
BH5	0.25-0.35	F: Silty Gravelley Sand	0m to <1m	Sand	45	110	0.5	160	55	40	3
SDUP1	-	Field Duplicate									

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TABLE S3
SOIL LABORATORY RESULTS COMPARED TO MANAGEMENT LIMITS
All data in mg/kg unless stated otherwise

			C_6-C_{10} (F1) plus BTEX	$>C_{10}$-C_{16} (F2) plus napthalene	$>C_{16}$-C_{34} (F3)	$>C_{34}$-C_{40} (F4)
PQL - Envirolab Services			25	50	100	100
NEPM 2013 Land Use Category			**RESIDENTIAL, PARKLAND & PUBLIC OPEN SPACE**			
Sample Reference	**Sample Depth**	**Soil Texture**				
BH1	0.15-0.25	Coarse	<25	<50	<100	<100
BH1 - [LAB_DUP]	0.15-0.25	Coarse	<25	<50	<100	<100
BH1	0.6-0.85	Coarse	<25	<50	<100	<100
BH2	0.2-0.3	Coarse	<25	<50	**610**	**1300**
BH2	0.45-0.55	Coarse	<25	<50	<100	<100
BH3	0.2-0.3	Coarse	<25	<50	<100	<100
BH3	0.6-0.7	Coarse	<25	<50	<100	**140**
BH4	0.15-0.25	Coarse	<25	<50	**380**	**200**
BH4	0.45-0.55	Coarse	<25	<50	<100	<100
BH5	0.15-0.2	Coarse	<25	<50	<100	<100
BH5 - [LAB_DUP]	0.15-0.2	Coarse	<25	<50	<100	<100
BH5	0.25-0.35	Coarse	<25	<50	**110**	**340**
SDUP1	-		<25	<50	<100	<100
Total Number of Samples			13	13	13	13
Maximum Value			<PQL	<PQL	610	1300

Concentration above the SAC — **VALUE**
Concentration above the PQL — **Bold**

MANAGEMENT LIMIT ASSESSMENT CRITERIA

Sample Reference	**Sample Depth**	**Soil Texture**	C_6-C_{10} (F1) plus BTEX	$>C_{10}$-C_{16} (F2) plus napthalene	$>C_{16}$-C_{34} (F3)	$>C_{34}$-C_{40} (F4)
BH1	0.15-0.25	Coarse	700	1000	2500	10000
BH1 - [LAB_DUP]	0.15-0.25	Coarse	700	1000	2500	10000
BH1	0.6-0.85	Coarse	700	1000	2500	10000
BH2	0.2-0.3	Coarse	700	1000	2500	10000
BH2	0.45-0.55	Coarse	700	1000	2500	10000
BH3	0.2-0.3	Coarse	700	1000	2500	10000
BH3	0.6-0.7	Coarse	700	1000	2500	10000
BH4	0.15-0.25	Coarse	700	1000	2500	10000
BH4	0.45-0.55	Coarse	700	1000	2500	10000
BH5	0.15-0.2	Coarse	700	1000	2500	10000
BH5 - [LAB_DUP]	0.15-0.2	Coarse	700	1000	2500	10000
BH5	0.25-0.35	Coarse	700	1000	2500	10000
SDUP1	-		700	1000	2500	10000

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TABLE S4
SOIL LABORATORY RESULTS COMPARED T0 DIRECT CONTACT CRITERIA
All data in mg/kg unless stated otherwise

Analyte		C_6-C_{10}	>C_{10}-C_{16}	>C_{16}-C_{34}	>C_{34}-C_{40}	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	PID
PQL - Envirolab Services		25	50	100	100	0.2	0.5	1	1	1	
CRC 2011 -Direct contact Criteria		5,600	4,200	5,800	8,100	140	21,000	5,900	17,000	2,200	
Site Use		HIGH DENSITY RESIDENTIAL - DIRECT SOIL CONTACT									
Sample Reference	**Sample Depth**										
BH1	0.15-0.25	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH1 - [LAB_DUP]	0.15-0.25	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	-
BH1	0.6-0.85	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH2	0.2-0.3	<25	<50	**610**	**1300**	<0.2	<0.5	<1	<3	<1	0
BH2	0.45-0.55	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH3	0.2-0.3	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	**0.1**
BH3	0.6-0.7	<25	<50	<100	**140**	<0.2	<0.5	<1	<3	<1	**0.1**
BH4	0.15-0.25	<25	<50	**380**	**200**	<0.2	<0.5	<1	<3	<1	**0.2**
BH4	0.45-0.55	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH5	0.15-0.2	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH5 - [LAB_DUP]	0.15-0.2	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	-
BH5	0.25-0.35	<25	<50	**110**	**340**	<0.2	<0.5	<1	<3	<1	0
SDUP1	-	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	-
Total Number of Samples		13	13	13	13	13	13	13	13	13	10
Maximum Value		<PQL	<PQL	610	1300	<PQL	<PQL	<PQL	<PQL	<PQL	0.2

Concentration above the SAC **VALUE**
Concentration above the PQL **Bold**

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TABLE S5
SOIL LABORATORY RESULTS COMPARED TO NEPM 2013 EILs AND ESLs
All data in mg/kg unless stated otherwise

Land Use Category				URBAN RESIDENTIAL AND PUBLIC OPEN SPACE																	
							AGED HEAVY METALS-EILs						EILs		ESLs							
				pH	CEC (cmolc/kg)	Clay Content (% clay)	Arsenic	Chromium	Copper	Lead	Nickel	Zinc	Naphthalene	DDT	C_6-C_{10} (F1)	>C_{10}-C_{16} (F2) plus napthalene	>C_{16}-C_{34} (F3)	>C_{34}-C_{40} (F4)	Benzene	Toluene	Ethylbenzene	Total Xylenes	B(a)P
PQL - Envirolab Services				-	1	-	4	1	1	1	1	1	1	0.1	25	50	100	100	0.2	0.5	1	1	0.05
Ambient Background Concentration (ABC)				-	-	-	NSL	13	28	163	5	122	NSL	NSL	NSL	NSL	NSL	NSL	NSL	NSL	NSL	NSL	NSL
Sample Reference	**Sample Depth**	**Sample Description**	**Soil Texture**																				
BH1	0.15-0.25	F: Silty Sand	Coarse	NA	NA	NA	<4	**16**	<1	**10**	<1	<1	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	Coarse	NA	NA	NA	<4	**11**	<1	**9**	<1	<1	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH1	0.6-0.85	Sandstone	Coarse	NA	NA	NA	<4	**1**	<1	**7**	<1	<1	<1	NA	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH2	0.2-0.3	F: Silty Gravelley Sand	Coarse	NA	NA	NA	<4	**8**	**25**	**4**	**22**	**19**	<1	<0.1	<25	<50	**610**	**1300**	<0.2	<0.5	<1	<3	<0.05
BH2	0.45-0.55	Silty Clay	Coarse	NA	NA	NA	**6**	**45**	**4**	**10**	<1	**8**	<1	NA	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH3	0.2-0.3	F: Silty Gravelley Sand	Coarse	NA	NA	NA	**5**	**14**	**76**	**340**	**8**	**280**	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	**1.2**
BH3	0.6-0.7	Sandstone	Coarse	NA	NA	NA	**6**	**26**	**6**	**64**	<1	**22**	<1	NA	<25	<50	<100	**140**	<0.2	<0.5	<1	<3	**0.2**
BH4	0.15-0.25	F: Silty Gravelley Sand	Coarse	NA	NA	NA	**5**	**22**	**210**	**120**	**41**	**350**	<1	<0.1	<25	<50	**380**	**200**	<0.2	<0.5	<1	<3	**1**
BH4 - [LAB_DUP]	0.15-0.25	F: Silty Gravelley Sand	Coarse	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH4	0.45-0.55	F: Silty Gravelley Sand	Coarse	NA	NA	NA	<4	**14**	**56**	**48**	**17**	**390**	<1	NA	<25	<50	<100	<100	<0.2	<0.5	<1	<3	**0.2**
BH5	0.15-0.2	F: Sand	Coarse	NA	NA	NA	<4	**13**	**8**	**5**	**2**	**38**	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	Coarse	NA	NA	NA	<4	**14**	**10**	**5**	**2**	**8**	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH5 - [TRIPLICATE]	0.15-0.2	F: Sand	Coarse	NA	NA	NA	<4	**12**	**10**	**6**	**2**	**9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH5	0.25-0.35	F: Silty Gravelley Sand	Coarse	NA	NA	NA	<4	**15**	**64**	**19**	**63**	**50**	<1	NA	<25	<50	**110**	**340**	<0.2	<0.5	<1	<3	<0.05
SDUP1	-	Field Duplicate		NA	NA	NA	**5**	**17**	**45**	**230**	**7**	**190**	<1	NA	<25	<50	<100	<100	<0.2	<0.5	<1	<3	**1.7**
Total Number of Samples				0	0	0	14	14	14	14	14	14	13	8	13	13	13	13	13	13	13	13	13
Maximum Value				NA	NA	NA	6	45	210	340	63	390	<PQL	<PQL	<PQL	<PQL	610	1300	<PQL	<PQL	<PQL	<PQL	1.7

Concentration above the SAC **VALUE**
Concentration above the PQL **Bold**
The guideline corresponding to the elevated value is highlighted in grey in the EIL and ESL Assessment Criteria Table below

EIL AND ESL ASSESSMENT CRITERIA

Sample Reference	**Sample Depth**	**Sample Description**	**Soil Texture**	pH	CEC (cmolc/kg)	Clay Content (% clay)	Arsenic	Chromium	Copper	Lead	Nickel	Zinc	Naphthalene	DDT	C_6-C_{10} (F1)	>C_{10}-C_{16} (F2) plus napthalene	>C_{16}-C_{34} (F3)	>C_{34}-C_{40} (F4)	Benzene	Toluene	Ethylbenzene	Total Xylenes	B(a)P
BH1	0.15-0.25	F: Silty Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	180	180	120	300	2800	50	85	70	105	20
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	180	180	120	300	2800	50	85	70	105	20
BH1	0.6-0.85	Sandstone	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	--	180	120	300	2800	50	85	70	105	20
BH2	0.2-0.3	F: Silty Gravelley Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	180	180	120	300	2800	50	85	70	105	20
BH2	0.45-0.55	Silty Clay	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	--	180	120	300	2800	50	85	70	105	20
BH3	0.2-0.3	F: Silty Gravelley Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	180	180	120	300	2800	50	85	70	105	20
BH3	0.6-0.7	Sandstone	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	--	180	120	300	2800	50	85	70	105	20
BH4	0.15-0.25	F: Silty Gravelley Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	180	180	120	300	2800	50	85	70	105	20
BH4 - [LAB_DUP]	0.15-0.25	F: Silty Gravelley Sand	Coarse	NA	NA	NA	--	--	--	--	--	--	--	180	--	--	--	--	--	--	--	--	--
BH4	0.45-0.55	F: Silty Gravelley Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	--	180	120	300	2800	50	85	70	105	20
BH5	0.15-0.2	F: Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	180	180	120	300	2800	50	85	70	105	20
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	180	180	120	300	2800	50	85	70	105	20
BH5 - [TRIPLICATE]	0.15-0.2	F: Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	--	--	--	--	--	--	--	--	--	--	--
BH5	0.25-0.35	F: Silty Gravelley Sand	Coarse	NA	NA	NA	100	200	90	1300	35	190	170	--	180	120	300	2800	50	85	70	105	20
SDUP1	-	Field Duplicate		NA	NA	NA	100	200	90	1300	35	190	170	--	180	120							20

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TABLE S6
SOIL LABORATORY RESULTS COMPARED TO NEPM 2013.
HIL-D: 'Commercial/Industrial'

All data in mg/kg unless stated otherwise			HEAVY METALS								PAHs		ORGANOCHLORINE PESTICIDES (OCPs)							OP PESTICIDES (OPPs)			
			Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc	Total PAHs	Carcinogenic PAHs	HCB	Endosulfan	Methoxychlor	Aldrin & Dieldrin	Chlordane	DDT, DDD & DDE	Heptachlor	Chlorpyrifos	TOTAL PHENOLICS	TOTAL PCBs	ASBESTOS FIBRES
PQL - Envirolab Services			4	0.4	1	1	1	0.1	1	1	-	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5	0.1	100
Site Assessment Criteria (SAC)			3000	900	3600	240000	1500	730	6000	400000	4000	40	80	2000	2500	45	530	3600	50	2000	240000	1	Detected/Not Detected
Sample Reference	**Sample Depth**	**Sample Description**																					
BH1	0.15-0.25	F: Silty Sand	<4	<0.4	**16**	<1	**10**	<0.1	<1	<1	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Not Detected
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	<4	<0.4	**11**	<1	**9**	<0.1	<1	<1	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	NA
BH1	0.6-0.85	Sandstone	<4	<0.4	**1**	<1	**7**	<0.1	<1	<1	<0.05	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH2	0.2-0.3	F: Silty Gravelley Sand	<4	<0.4	**8**	**25**	**4**	<0.1	**22**	**19**	**0.1**	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Not Detected
BH2	0.45-0.55	Silty Clay	**6**	<0.4	**45**	**4**	**10**	<0.1	<1	**8**	<0.05	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH3	0.2-0.3	F: Silty Gravelley Sand	**5**	**0.6**	**14**	**76**	**340**	**0.7**	**8**	**280**	**12**	**1.8**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Detected
BH3	0.6-0.7	Sandstone	**6**	<0.4	**26**	**6**	**64**	**0.1**	<1	**22**	**1.6**	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH4	0.15-0.25	F: Silty Gravelley Sand	**5**	**0.8**	**22**	**210**	**120**	**0.1**	**41**	**350**	**10**	**1.5**	<0.1	<0.1	<0.1	**6.8**	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Detected
BH4 - [LAB_DUP]	0.15-0.25	F: Silty Gravelley Sand	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	<0.1	<0.1	**7.2**	<0.1	<0.1	<0.1	NA	NA	NA	NA
BH4	0.45-0.55	F: Silty Gravelley Sand	<4	**0.5**	**14**	**56**	**48**	<0.1	**17**	**390**	**2.3**	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH5	0.15-0.2	F: Sand	<4	<0.4	**13**	**8**	**5**	<0.1	**2**	**38**	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	Not Detected
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	<4	<0.4	**14**	**10**	**5**	<0.1	**2**	**8**	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	NA
BH5 - [TRIPLICATE]	0.15-0.2	F: Sand	<4	<0.4	**12**	**10**	**6**	<0.1	**2**	**9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH5	0.25-0.35	F: Silty Gravelley Sand	<4	<0.4	**15**	**64**	**19**	<0.1	**63**	**50**	<0.05	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SDUP1	-	Field Duplicate	**5**	<0.4	**17**	**45**	**230**	**0.8**	**7**	**190**	**20**	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Number of Samples			14	14	14	14	14	14	14	14	13	13	8	8	8	8	8	8	8	7	6	7	5
Maximum Value			6	0.8	45	210	340	0.8	63	390	20	2.6	<PQL	<PQL	<PQL	7.2	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	Detected

Concentration above the SAC **VALUE**
Concentration above the PQL **Bold**

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TABLE S7
SOIL LABORATORY RESULTS COMPARED TO HSLs
All data in mg/kg unless stated otherwise

					C_6-C_{10} (F1)	$>C_{10}$-C_{16} (F2)	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Field PID Measurement
PQL - Envirolab Services					25	50	0.2	0.5	1	1	1	ppm
NEPM 2013 HSL Land Use Category					**HSL-D: COMMERCIAL/INDUSTRIAL**							
Sample Reference	**Sample Depth**	**Sample Description**	**Depth Category**	**Soil Category**								
BH1	0.15-0.25	F: Silty Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	-
BH1	0.6-0.85	Sandstone	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH2	0.2-0.3	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH2	0.45-0.55	Silty Clay	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH3	0.2-0.3	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0.1
BH3	0.6-0.7	Sandstone	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0.1
BH4	0.15-0.25	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0.2
BH4	0.45-0.55	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH5	0.15-0.2	F: Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	-
BH5	0.25-0.35	F: Silty Gravelley Sand	0m to <1m	Sand	<25	<50	<0.2	<0.5	<1	<3	<1	0
SDUP1	-	Field Duplicate			<25	<50	<0.2	<0.5	<1	<3	<1	-
Total Number of Samples					13	13	13	13	13	13	13	10
Maximum Value					<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.2

Concentration above the SAC **VALUE**
Concentration above the PQL **Bold**
The guideline corresponding to the concentration above the SAC is highlighted in grey in the Site Assessment Criteria Table below

HSL SOIL ASSESSMENT CRITERIA

Sample Reference	**Sample Depth**	**Sample Description**	**Depth Category**	**Soil Category**	C_6-C_{10} (F1)	$>C_{10}$-C_{16} (F2)	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene
BH1	0.15-0.25	F: Silty Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH1	0.6-0.85	Sandstone	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH2	0.2-0.3	F: Silty Gravelley Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH2	0.45-0.55	Silty Clay	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH3	0.2-0.3	F: Silty Gravelley Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH3	0.6-0.7	Sandstone	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH4	0.15-0.25	F: Silty Gravelley Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH4	0.45-0.55	F: Silty Gravelley Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH5	0.15-0.2	F: Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
BH5	0.25-0.35	F: Silty Gravelley Sand	0m to <1m	Sand	260	NL	3	NL	NL	230	NL
SDUP1	-	Field Duplicate				NL		NL	NL		NL

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TABLE S8
SOIL LABORATORY RESULTS COMPARED TO MANAGEMENT LIMITS
All data in mg/kg unless stated otherwise

			C_6-C_{10} (F1) plus BTEX	$>C_{10}$-C_{16} (F2) plus napthalene	$>C_{16}$-C_{34} (F3)	$>C_{34}$-C_{40} (F4)
PQL - Envirolab Services			25	50	100	100
NEPM 2013 Land Use Category			**COMMERCIAL/INDUSTRIAL**			
Sample Reference	**Sample Depth**	**Soil Texture**				
BH1	0.15-0.25	Coarse	<25	<50	<100	<100
BH1 - [LAB_DUP]	0.15-0.25	Coarse	<25	<50	<100	<100
BH1	0.6-0.85	Coarse	<25	<50	<100	<100
BH2	0.2-0.3	Coarse	<25	<50	**610**	**1300**
BH2	0.45-0.55	Coarse	<25	<50	<100	<100
BH3	0.2-0.3	Coarse	<25	<50	<100	<100
BH3	0.6-0.7	Coarse	<25	<50	<100	**140**
BH4	0.15-0.25	Coarse	<25	<50	**380**	**200**
BH4	0.45-0.55	Coarse	<25	<50	<100	<100
BH5	0.15-0.2	Coarse	<25	<50	<100	<100
BH5 - [LAB_DUP]	0.15-0.2	Coarse	<25	<50	<100	<100
BH5	0.25-0.35	Coarse	<25	<50	**110**	**340**
SDUP1	-		<25	<50	<100	<100
Total Number of Samples			13	13	13	13
Maximum Value			<PQL	<PQL	610	1300

Concentration above the SAC — **VALUE**
Concentration above the PQL — **Bold**

MANAGEMENT LIMIT ASSESSMENT CRITERIA

Sample Reference	**Sample Depth**	**Soil Texture**	C_6-C_{10} (F1) plus BTEX	$>C_{10}$-C_{16} (F2) plus napthalene	$>C_{16}$-C_{34} (F3)	$>C_{34}$-C_{40} (F4)
BH1	0.15-0.25	Coarse	700	1000	3500	10000
BH1 - [LAB_DUP]	0.15-0.25	Coarse	700	1000	3500	10000
BH1	0.6-0.85	Coarse	700	1000	3500	10000
BH2	0.2-0.3	Coarse	700	1000	3500	10000
BH2	0.45-0.55	Coarse	700	1000	3500	10000
BH3	0.2-0.3	Coarse	700	1000	3500	10000
BH3	0.6-0.7	Coarse	700	1000	3500	10000
BH4	0.15-0.25	Coarse	700	1000	3500	10000
BH4	0.45-0.55	Coarse	700	1000	3500	10000
BH5	0.15-0.2	Coarse	700	1000	3500	10000
BH5 - [LAB_DUP]	0.15-0.2	Coarse	700	1000	3500	10000
BH5	0.25-0.35	Coarse	700	1000	3500	10000
SDUP1	-		700	1000	3500	10000

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TABLE S9
SOIL LABORATORY RESULTS COMPARED T0 DIRECT CONTACT CRITERIA
All data in mg/kg unless stated otherwise

Analyte		C_6-C_{10}	>C_{10}-C_{16}	>C_{16}-C_{34}	>C_{34}-C_{40}	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	PID
PQL - Envirolab Services		25	50	100	100	0.2	0.5	1	1	1	
CRC 2011 -Direct contact Criteria		26,000	20,000	27,000	38,000	430	99,000	27,000	81,000	11,000	
Site Use		**COMMERCIAL/INDUSTRIAL - DIRECT SOIL CONTACT**									
Sample Reference	**Sample Depth**										
BH1	0.15-0.25	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH1 - [LAB_DUP]	0.15-0.25	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	-
BH1	0.6-0.85	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH2	0.2-0.3	<25	<50	**610**	**1300**	<0.2	<0.5	<1	<3	<1	0
BH2	0.45-0.55	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH3	0.2-0.3	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	**0.1**
BH3	0.6-0.7	<25	<50	<100	**140**	<0.2	<0.5	<1	<3	<1	**0.1**
BH4	0.15-0.25	<25	<50	**380**	**200**	<0.2	<0.5	<1	<3	<1	**0.2**
BH4	0.45-0.55	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH5	0.15-0.2	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	0
BH5 - [LAB_DUP]	0.15-0.2	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	-
BH5	0.25-0.35	<25	<50	**110**	**340**	<0.2	<0.5	<1	<3	<1	0
SDUP1	-	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	-
Total Number of Samples		13	13	13	13	13	13	13	13	13	10
Maximum Value		<PQL	<PQL	610	1300	<PQL	<PQL	<PQL	<PQL	<PQL	0.2

Concentration above the SAC **VALUE**
Concentration above the PQL **Bold**

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TABLE S10
SOIL LABORATORY RESULTS COMPARED TO NEPM 2013 EILs AND ESLs
All data in mg/kg unless stated otherwise

Land Use Category				COMMERCIAL/INDUSTRIAL																	
							AGED HEAVY METALS-EILs						EILs		ESLs								
				pH	CEC (cmolc/kg)	Clay Content (% clay)	Arsenic	Chromium	Copper	Lead	Nickel	Zinc	Naphthalene	DDT	C_6-C_{10} (F1)	>C_{10}-C_{16} (F2) plus napthalene	>C_{16}-C_{34} (F3)	>C_{34}-C_{40} (F4)	Benzene	Toluene	Ethylbenzene	Total Xylenes	B(a)P
PQL - Envirolab Services				-	1	-	4	1	1	1	1	1	1	0.1	25	50	100	100	0.2	0.5	1	1	0.05
Ambient Background Concentration (ABC)				-	-	-	NSL	13	28	163	5	122	NSL	NSL	NSL	NSL	NSL	NSL	NSL	NSL	NSL	NSL	NSL
Sample Reference	**Sample Depth**	**Sample Description**	**Soil Texture**																				
BH1	0.15-0.25	F: Silty Sand	Coarse	NA	NA	NA	<4	**16**	<1	**10**	<1	<1	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	Coarse	NA	NA	NA	<4	**11**	<1	**9**	<1	<1	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH1	0.6-0.85	Sandstone	Coarse	NA	NA	NA	<4	**1**	<1	**7**	<1	<1	<1	NA	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH2	0.2-0.3	F: Silty Gravelley Sand	Coarse	NA	NA	NA	<4	**8**	**25**	**4**	**22**	**19**	<1	<0.1	<25	<50	**610**	**1300**	<0.2	<0.5	<1	<3	<0.05
BH2	0.45-0.55	Silty Clay	Coarse	NA	NA	NA	**6**	**45**	**4**	**10**	<1	**8**	<1	NA	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH3	0.2-0.3	F: Silty Gravelley Sand	Coarse	NA	NA	NA	**5**	**14**	**76**	**340**	**8**	**280**	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	**1.2**
BH3	0.6-0.7	Sandstone	Coarse	NA	NA	NA	**6**	**26**	**6**	**64**	<1	**22**	<1	NA	<25	<50	<100	**140**	<0.2	<0.5	<1	<3	**0.2**
BH4	0.15-0.25	F: Silty Gravelley Sand	Coarse	NA	NA	NA	**5**	**22**	**210**	**120**	**41**	**350**	<1	<0.1	<25	<50	**380**	**200**	<0.2	<0.5	<1	<3	**1**
BH4 - [LAB_DUP]	0.15-0.25	F: Silty Gravelley Sand	Coarse	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH4	0.45-0.55	F: Silty Gravelley Sand	Coarse	NA	NA	NA	<4	**14**	**56**	**48**	**17**	**390**	<1	NA	<25	<50	<100	<100	<0.2	<0.5	<1	<3	**0.2**
BH5	0.15-0.2	F: Sand	Coarse	NA	NA	NA	<4	**13**	**8**	**5**	**2**	**38**	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	Coarse	NA	NA	NA	<4	**14**	**10**	**5**	**2**	**8**	<1	<0.1	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<0.05
BH5 - [TRIPLICATE]	0.15-0.2	F: Sand	Coarse	NA	NA	NA	<4	**12**	**10**	**6**	**2**	**9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH5	0.25-0.35	F: Silty Gravelley Sand	Coarse	NA	NA	NA	<4	**15**	**64**	**19**	**63**	**50**	<1	NA	<25	<50	**110**	**340**	<0.2	<0.5	<1	<3	<0.05
SDUP1	-	Field Duplicate		NA	NA	NA	**5**	**17**	**45**	**230**	**7**	**190**	<1	NA	<25	<50	<100	<100	<0.2	<0.5	<1	<3	**1.7**
Total Number of Samples				0	0	0	14	14	14	14	14	14	13	8	13	13	13	13	13	13	13	13	13
Maximum Value				NA	NA	NA	6	45	210	340	63	390	<PQL	<PQL	<PQL	<PQL	610	1300	<PQL	<PQL	<PQL	<PQL	1.7

Concentration above the SAC **VALUE**
Concentration above the PQL **Bold**
The guideline corresponding to the elevated value is highlighted in grey in the EIL and ESL Assessment Criteria Table below

EIL AND ESL ASSESSMENT CRITERIA

Sample Reference	**Sample Depth**	**Sample Description**	**Soil Texture**	pH	CEC (cmolc/kg)	Clay Content (% clay)	Arsenic	Chromium	Copper	Lead	Nickel	Zinc	Naphthalene	DDT	C_6-C_{10} (F1)	>C_{10}-C_{16} (F2) plus napthalene	>C_{16}-C_{34} (F3)	>C_{34}-C_{40} (F4)	Benzene	Toluene	Ethylbenzene	Total Xylenes	B(a)P
BH1	0.15-0.25	F: Silty Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	640	215	170	1700	3300	75	135	165	180	72
BH1 - [LAB_DUP]	0.15-0.25	F: Silty Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	640	215	170	1700	3300	75	135	165	180	72
BH1	0.6-0.85	Sandstone	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	--	215	170	1700	3300	75	135	165	180	72
BH2	0.2-0.3	F: Silty Gravelley Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	640	215	170	1700	3300	75	135	165	180	72
BH2	0.45-0.55	Silty Clay	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	--	215	170	1700	3300	75	135	165	180	72
BH3	0.2-0.3	F: Silty Gravelley Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	640	215	170	1700	3300	75	135	165	180	72
BH3	0.6-0.7	Sandstone	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	--	215	170	1700	3300	75	135	165	180	72
BH4	0.15-0.25	F: Silty Gravelley Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	640	215	170	1700	3300	75	135	165	180	72
BH4 - [LAB_DUP]	0.15-0.25	F: Silty Gravelley Sand	Coarse	NA	NA	NA	--	--	--	--	--	--	--	640	--	--	--	--	--	--	--	--	--
BH4	0.45-0.55	F: Silty Gravelley Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	--	215	170	1700	3300	75	135	165	180	72
BH5	0.15-0.2	F: Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	640	215	170	1700	3300	75	135	165	180	72
BH5 - [LAB_DUP]	0.15-0.2	F: Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	640	215	170	1700	3300	75	135	165	180	72
BH5 - [TRIPLICATE]	0.15-0.2	F: Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	--	--	--	--	--	--	--	--	--	--	--
BH5	0.25-0.35	F: Silty Gravelley Sand	Coarse	NA	NA	NA	160	320	110	2000	60	230	370	--	215	170	1700	3300	75	135	165	180	72
SDUP1	-	Field Duplicate		NA	NA	NA	160	320	110	2000	60	230	370	--	215	170							72

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TABLE S11
SOIL QA/QC SUMMARY

			TRH C6 - C10	TRH >C10-C16	TRH >C16-C34	TRH >C34-C40	Benzene	Toluene	Ethylbenzene	m+p-xylene	o-Xylene	Naphthalene	Acenaphthylene	Acenaph-thene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b,j+k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c,d)pyrene	Dibenzo(a,h)anthra-cene	Benzo(g,h,i)perylene	HCB	alpha- BHC	gamma- BHC	beta- BHC	Heptachlor	delta- BHC	Aldrin	Heptachlor Epoxide	Gamma- Chlordane	alpha- chlordane	Endosulfan I	pp- DDE	Dieldrin	Endrin	pp- DDD	Endosulfan II	pp- DDT	Endrin Aldehyde	Endosulfan Sulphate	Methoxychlor	Azinphos-methyl (Guthion)	Bromophos-ethyl	Chlorpyriphos	Chlorpyriphos-methyl	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenitrothion	Malathion	Parathion	Ronnel	Total PCBS	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
	PQL Envirolab SYD		*25*	*50*	*100*	*100*	*0.2*	*0.5*	*1*	*2*	*1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.2*	*0.05*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1

ABBREVIATIONS AND EXPLANATIONS

Abbreviations used in the Tables:

ADWG: AustralianDrinking Water Guidelines
ANZG Australian and New Zealand Guidelines
B(a)P: Benzo(a)pyrene
CRC: Cooperative Research Centre
ESLs: Ecological Screening Levels
GIL: Groundwater Investigation Levels
HILs: Health Investigation Levels
HSLs: Health Screening Levels
HSL-SSA: Health Screening Level-SiteSpecific Assessment
NA: Not Analysed
NC: Not Calculated
NEPM: National Environmental Protection Measure
NHMRC: National Health and Medical Research Council
NL: Not Limiting
NSL: No Set Limit
OCP: Organochlorine Pesticides
OPP: Organophosphorus Pesticides
PAHs: Polycyclic Aromatic Hydrocarbons
ppm: Parts per million
PCBs: Polychlorinated Biphenyls
PCE: Perchloroethylene (Tetrachloroethylene or Tetrachloroethene)
PQL: Practical Quantitation Limit
RS: Rinsate Sample
RSL: Regional Screening Levels
SAC: Site Assessment Criteria
SSA: Site Specific Assessment
SSHSLs Site Specific Health Screening Levels
TB: Trip Blank
TCA: 1,1,1 Trichloroethane (methyl chloroform)
TCE: Trichloroethylene (Trichloroethene)
TS: Trip Spike
TRH: Total Recoverable Hydrocarbons
UCL: Upper Level Confidence Limit on Mean Value
USEPA United States Environmental Protection Agency
VOCC: Volatile Organic Chlorinated Compounds
WHO: World Health Organisation

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TABLE G1
SUMMARY OF GROUNDWATER LABORATORY RESULTS COMPARED TO ECOLOGICAL GILs SAC
All results in µg/L unless stated otherwise.

	PQL Envirolab Services	ANZG 2018 Fresh Waters	SAMPLES			
			MW2	MW3	MW3 - [LAB_DUP]	WDUP1
Inorganic Compounds and Parameters						
pH		6.5 - 8.5	6.5	6.7	NA	NA
Electrical Conductivity (µS/cm)	1	NSL	**600**	**590**	NA	NA
Turbidity (NTU)		NSL	NA	NA	NA	NA
Metals and Metalloids						
Arsenic (As III)	1	24	<1	<1	NA	<1
Cadmium	0.1	0.2	**0.3**	**0.1**	NA	**0.3**
Chromium (SAC for Cr III adopted)	1	3.3	<1	**16**	NA	<1
Copper	1	1.4	<1	**3**	NA	<1
Lead	1	3.4	<1	<1	NA	<1
Total Mercury (inorganic)	0.05	0.06	<0.05	<0.05	NA	<0.05
Nickel	1	11	**2**	**2**	NA	**2**
Zinc	1	8	**16**	**520**	NA	**15**
Monocyclic Aromatic Hydrocarbons (BTEX Compounds)						
Benzene	1	950	<1	**1**	**1**	<1
Toluene	1	180	<1	**1**	**1**	<1
Ethylbenzene	1	80	<1	<1	<1	<1
m+p-xylene	2	75	<2	<2	<2	<2
o-xylene	1	350	<1	**2**	**2**	<1
Total xylenes	2	NSL	<2	**2**	**2**	<2
Volatile Organic Compounds (VOCs), including chlorinated VOCs						
Dichlorodifluoromethane	10	NSL	<10	<10	<10	NA
Chloromethane	10	NSL	<10	<10	<10	NA
Vinyl Chloride	10	100	<10	<10	<10	NA
Bromomethane	10	NSL	<10	<10	<10	NA
Chloroethane	10	NSL	<10	<10	<10	NA
Trichlorofluoromethane	10	NSL	<10	<10	<10	NA
1,1-Dichloroethene	1	700	<1	<1	<1	NA
Trans-1,2-dichloroethene	1	NSL	<1	<1	<1	NA
1,1-dichloroethane	1	90	<1	<1	<1	NA
Cis-1,2-dichloroethene	1	NSL	<1	**4**	**4**	NA
Bromochloromethane	1	NSL	<1	<1	<1	NA
Chloroform	1	370	<1	4	4	NA
2,2-dichloropropane	1	NSL	<1	<1	<1	NA
1,2-dichloroethane	1	1900	<1	<1	<1	NA
1,1,1-trichloroethane	1	270	<1	<1	<1	NA
1,1-dichloropropene	1	NSL	<1	<1	<1	NA
Cyclohexane	1	NSL	<1	<1	<1	NA
Carbon tetrachloride	1	240	<1	<1	<1	NA
Benzene	1	950	<1	**1**	**1**	NA
Dibromomethane	1	NSL	<1	<1	<1	NA
1,2-dichloropropane	1	900	<1	<1	<1	NA
Trichloroethene	1	330	<1	**2**	**2**	NA
Bromodichloromethane	1	NSL	<1	<1	<1	NA
trans-1,3-dichloropropene	1	NSL	<1	<1	<1	NA
cis-1,3-dichloropropene	1	NSL	<1	<1	<1	NA
1,1,2-trichloroethane	1	6500	<1	<1	<1	NA
Toluene	1	180	<1	**1**	**1**	NA
1,3-dichloropropane	1	1100	<1	<1	<1	NA
Dibromochloromethane	1	NSL	<1	<1	<1	NA
1,2-dibromoethane	1	NSL	<1	<1	<1	NA
Tetrachloroethene	1	70	<1	**4**	**5**	NA
1,1,1,2-tetrachloroethane	1	NSL	<1	<1	<1	NA
Chlorobenzene	1	55	<1	<1	<1	NA
Ethylbenzene	1	80	<1	<1	<1	NA
Bromoform	1	NSL	<1	<1	<1	NA
m+p-xylene	2	75	<2	<2	<2	NA
Styrene	1	NSL	<1	<1	<1	NA
1,1,2,2-tetrachloroethane	1	400	<1	<1	<1	NA
o-xylene	1	350	<1	**2**	**2**	NA
1,2,3-trichloropropane	1	NSL	<1	<1	<1	NA
Isopropylbenzene	1	30	<1	<1	<1	NA
Bromobenzene	1	NSL	<1	<1	<1	NA
n-propyl benzene	1	NSL	<1	<1	<1	NA
2-chlorotoluene	1	NSL	<1	<1	<1	NA
4-chlorotoluene	1	NSL	<1	<1	<1	NA
1,3,5-trimethyl benzene	1	NSL	<1	<1	<1	NA
Tert-butyl benzene	1	NSL	<1	<1	<1	NA
1,2,4-trimethyl benzene	1	NSL	<1	<1	<1	NA
1,3-dichlorobenzene	1	260	<1	<1	<1	NA
Sec-butyl benzene	1	NSL	<1	<1	<1	NA
1,4-dichlorobenzene	1	60	<1	<1	<1	NA
4-isopropyl toluene	1	NSL	<1	<1	<1	NA
1,2-dichlorobenzene	1	160	<1	<1	<1	NA
n-butyl benzene	1	NSL	<1	<1	<1	NA
1,2-dibromo-3-chloropropane	1	NSL	<1	<1	<1	NA
1,2,4-trichlorobenzene	1	85	<1	<1	<1	NA
Hexachlorobutadiene	1	NSL	<1	<1	<1	NA
1,2,3-trichlorobenzene	1	3	<1	<1	<1	NA
Polycyclic Aromatic Hydrocarbons (PAHs)						
Naphthalene	0.2	16	<0.2	<0.2	NA	<0.2
Acenaphthylene	0.1	NSL	<0.1	<0.1	NA	<0.1
Acenaphthene	0.1	NSL	<0.1	<0.1	NA	<0.1
Fluorene	0.1	NSL	<0.1	<0.1	NA	<0.1
Phenanthrene	0.1	0.6	<0.1	<0.1	NA	<0.1
Anthracene	0.1	0.01	<0.1	<0.1	NA	<0.1
Fluoranthene	0.1	1	<0.1	<0.1	NA	<0.1
Pyrene	0.1	NSL	<0.1	<0.1	NA	<0.1
Benzo(a)anthracene	0.1	NSL	<0.1	<0.1	NA	<0.1
Chrysene	0.1	NSL	<0.1	<0.1	NA	<0.1
Benzo(b,j+k)fluoranthene	0.2	NSL	<0.2	<0.2	NA	<0.2
Benzo(a)pyrene	0.1	0.1	<0.1	<0.1	NA	<0.1
Indeno(1,2,3-c,d)pyrene	0.1	NSL	<0.1	<0.1	NA	<0.1
Dibenzo(a,h)anthracene	0.1	NSL	<0.1	<0.1	NA	<0.1
Benzo(g,h,i)perylene	0.1	NSL	<0.1	<0.1	NA	<0.1

Concentration above the SAC	**VALUE**
Concentration above the PQL	**Bold**
GIL >PQL	Red

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TABLE G2
GROUNDWATER LABORATORY RESULTS COMPARED TO SITE SPECIFIC HSLs - RISK ASSESSMENT
All results in µg/L unless stated otherwise.

	PQL Envirolab Services	NHMRC ADWG 2011 (v3.5 2018)	WHO 2008	USEPA RSL Tapwater 2017	SAMPLES MW2	MW3	MW3 - [LAB_DUP]	WDUP1
Total Recoverable Hydrocarbons (TRH)								
C_6-C_9 Aliphatics (assessed using F1)	10	-	15000	-	<10	<10	<10	<10
>C_9-C_{14} Aliphatics (assessed using F2)	50	-	100	-	**160**	**270**	NA	**140**
Monocyclic Aromatic Hydrocarbons (BTEX Compounds)								
Benzene	1	1	-	-	<1	**1**	**1**	<1
Toluene	1	800	-	-	<1	**1**	**1**	<1
Ethylbenzene	1	300	-	-	<1	<1	<1	<1
Total xylenes	2	600	-	-	<2	**2**	**2**	<2
Polycyclic Aromatic Hydrocarbons (PAHs)								
Naphthalene	1	-	-	6.1	NA	NA	NA	NA
Volatile Organic Compounds (VOCs), including chlorinated VOCs								
Dichlorodifluoromethane	10	-	-	-	<10	<10	<10	NA
Chloromethane	10	-	-	-	<10	<10	<10	NA
Vinyl Chloride	10	0.3	-	-	<10	<10	<10	NA
Bromomethane	10	-	-	-	<10	<10	<10	NA
Chloroethane	10	-	-	-	<10	<10	<10	NA
Trichlorofluoromethane	10	-	-	-	<10	<10	<10	NA
1,1-Dichloroethene	1	30	-	-	<1	<1	<1	NA
Trans-1,2-dichloroethene	1	60	-	-	<1	<1	<1	NA
1,1-dichloroethane	1	-	-	-	<1	<1	<1	NA
Cis-1,2-dichloroethene	1	60	-	-	<1	**4**	**4**	NA
Bromochloromethane	1	250	-	-	<1	<1	<1	NA
Chloroform	1		-	-	<1	**4**	**4**	NA
2,2-dichloropropane	1	-	-	-	<1	<1	<1	NA
1,2-dichloroethane	1	3	-	-	<1	<1	<1	NA
1,1,1-trichloroethane	1	-	-	-	<1	<1	<1	NA
1,1-dichloropropene	1	-	-	-	<1	<1	<1	NA
Cyclohexane	1	-	-	-	<1	<1	<1	NA
Carbon tetrachloride	1	3	-	-	<1	<1	<1	NA
Benzene	1	1	-	-	<1	**1**	**1**	NA
Dibromomethane	1	-	-	-	<1	<1	<1	NA
1,2-dichloropropane	1	-	-	-	<1	<1	<1	NA
Trichloroethene	1	-	-	-	<1	**2**	**2**	NA
Bromodichloromethane	1	-	-	-	<1	<1	<1	NA
trans-1,3-dichloropropene	1	100	-	-	<1	<1	<1	NA
cis-1,3-dichloropropene	1	100	-	-	<1	<1	<1	NA
1,1,2-trichloroethane	1	-	-	-	<1	<1	<1	NA
Toluene	1	800	-	-	<1	**1**	**1**	NA
1,3-dichloropropane	1	-	-	-	<1	<1	<1	NA
Dibromochloromethane	1	-	-	-	<1	<1	<1	NA
1,2-dibromoethane	1	-	-	-	<1	<1	<1	NA
Tetrachloroethene	1	50	-	-	<1	**4**	**5**	NA
1,1,1,2-tetrachloroethane	1	-	-	-	<1	<1	<1	NA
Chlorobenzene	1	300	-	-	<1	<1	<1	NA
Ethylbenzene	1	300	-	-	<1	<1	<1	NA
Bromoform	1	-	-	-	<1	<1	<1	NA
m+p-xylene	2	-	-	-	<2	<2	<2	NA
Styrene	1	30	-	-	<1	<1	<1	NA
1,1,2,2-tetrachloroethane	1	-	-	-	<1	<1	<1	NA
o-xylene	1	-	-	-	<1	**2**	**2**	NA
1,2,3-trichloropropane	1	-	-	-	<1	<1	<1	NA
Isopropylbenzene	1	-	-	-	<1	<1	<1	NA
Bromobenzene	1	-	-	-	<1	<1	<1	NA
n-propyl benzene	1	-	-	-	<1	<1	<1	NA
2-chlorotoluene	1	-	-	-	<1	<1	<1	NA
4-chlorotoluene	1	-	-	-	<1	<1	<1	NA
1,3,5-trimethyl benzene	1	-	-	-	<1	<1	<1	NA
Tert-butyl benzene	1	-	-	-	<1	<1	<1	NA
1,2,4-trimethyl benzene	1	-	-	-	<1	<1	<1	NA
1,3-dichlorobenzene	1	20	-	-	<1	<1	<1	NA
Sec-butyl benzene	1	-	-	-	<1	<1	<1	NA
1,4-dichlorobenzene	1	40	-	-	<1	<1	<1	NA
4-isopropyl toluene	1	-	-	-	<1	<1	<1	NA
1,2-dichlorobenzene	1	1500	-	-	<1	<1	<1	NA
n-butyl benzene	1	-	-	-	<1	<1	<1	NA
1,2-dibromo-3-chloropropane	1	-	-	-	<1	<1	<1	NA
1,2,4-trichlorobenzene	1	30	-	-	<1	<1	<1	NA
1,2,3-trichlorobenzene	1		-	-	<1	<1	<1	NA
Hexachlorobutadiene	1	7	-	-	<1	<1	<1	NA

Concentration above the SAC	**VALUE**
Concentration above the PQL	**Bold**
GIL >PQL	Red

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TABLE G3
GROUNDWATER QA/QC SUMMARY

		TRH C6 - C10	TRH >C10-C16	TRH >C16-C34	TRH >C34-C40	Benzene	Toluene	Ethylbenzene	m+p-xylene	o-Xylene	Naphthalene	Acenaphthylene	Acenaph-thene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b,j+k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c,d)pyrene	Dibenzo(a,h)anthra-cene	Benzo(g,h,i)perylene	Arsenic	Cadmium	Chromium VI	Copper	Lead	Mercury	Nickel	Zinc
	PQL Envirolab SYD	*10*	*50*	*100*	*100*	*1*	*1*	*1*	*2*	*1*	*0.2*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.2*	*0.1*	*0.1*	*0.1*	*0.1*	*1*	*0.1*	*1*	*1*	*1*	*0.05*	*1*	*1*
	PQL Envirolab VIC	*10*	*50*	*100*	*100*	*1.0*	*1.0*	*1.0*	*2.0*	*1.0*	*0.2*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.2*	*0.1*	*0.1*	*0.1*	*0.1*	*1*	*0.1*	*1*	*1*	*1*	*0.05*	*1*	*1*
Intra	MW2	<10	160	<100	<100	<1	<1	<1	<2	<1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<1	0.3	<1	<1	<1	<0.05	2	16
laboratory	WDUP1	<10	140	<100	<100	<1	<1	<1	<2	<1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<1	0.3	<1	<1	<1	<0.05	2	15
duplicate	MEAN	nc	150	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	0.3	nc	nc	nc	nc	2	15.5
	RPD %	nc	13%	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	0%	nc	nc	nc	nc	0%	6%
Field	TBW1	<10	-	-	-	<1	<1	<1	<2	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Blank	15/01/2021																																
Trip	TSW1	-	-	-	-	100%	103%	97%	91%	95%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Spike	15/01/2021																																

Result outside of QA/QC acceptance criteria Value

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Appendix D: Borehole Logs

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ENVIRONMENTAL LOG

Environmental logs are not to be used for geotechnical purposes

Log No. **BH1** **1/1**

Client: MHA PBR Pty Ltd

Project: DUE DILIGENCE

Location: 122-128 & 130 PYRMONT BRIDGE ROAD; 206 PARRAMATTA ROAD, ANNANDALE, NSW

Job No.: E33770PA **Method:** SPIRAL AUGER **R.L. Surface:** ≈ 16.0m

Date: 12/1/21 **Datum:** ASSUMED

Plant Type: JK205 **Logged/Checked by:** A.V.B./B.P.

Groundwater Record	SAMPLES ES	SAMPLES ASS	SAMPLES ASB	SAMPLES SAL	SAMPLES DB	Field Tests	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel. Density	Hand Penetrometer Readings (kPa.)	Remarks
DRY ON COMPLETION			■				0			CONCRETE: 145mm.t				
									-	FILL: Silty sand, fine to medium grained, with fine to coarse grained igneous and sandstone gravel, and clay nodules.	M			
	■					N > 27 15,27/ 100mm REFUSAL			-		DW			HAWKESBURY SANDSTONE
							1			SANDSTONE: fine to coarse grained, light grey. as above, but light grey and red brown.	SW			
										END OF BOREHOLE AT 1.8m				'TC' BIT REFUSAL
							2							
							3							
							4							
							5							
							6							
							7							

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ENVIRONMENTAL LOG

Environmental logs are not to be used for geotechnical purposes

Log No. **BH/MW2** **1/1**

Client: MHA PBR Pty Ltd

Project: DUE DILIGENCE

Location: 122-128 & 130 PYRMONT BRIDGE ROAD; 206 PARRAMATTA ROAD, ANNANDALE, NSW

Job No.: E33770PA **Method:** SPIRAL AUGER **R.L. Surface:** ≈ 15.0m

Date: 12/1/21 **Datum:** ASSUMED

Plant Type: JK205 **Logged/Checked by:** A.V.B./B.P.

Groundwater Record	SAMPLES ES	SAMPLES ASS	SAMPLES ASB	SAMPLES SAL	SAMPLES DB	Field Tests	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel. Density	Hand Penetrometer Readings (kPa.)	Remarks
							0			CONCRETE: 160mm.t				
	■		■						-	FILL: Gravelly silty sand, fine to medium grained, grey brown, fine to	M			
	■								SC	coarse grained igneous and sandstone gravel.	w>PL			RESIDUAL
						N > 17 4,9, 8/60mm				Silty sandy CLAY: medium plasticity, red brown and grey, fine to medium				
	■					REFUSAL	1		-	grained sand, with fine to medium grained ironstone gravel.	DW			HAWKESBURY SANDSTONE
										SANDSTONE: fine to medium grained, light grey, orange brown and red brown.				
							2							
							3							
3 HRS AFTER COMPLET-ION ▼							4							
							5							GROUNDWATER MONITORING WELL INSTALLED TO 5.36m. CLASS 18 MACHINE SLOTTED
										END OF BOREHOLE AT 5.5m				50mm DIA. PVC STANDPIPE 5.36m TO 2.5m. CASING 2.5m TO 0m. 2mm SAND FILTER PACK 5.36m TO 2.0m. BENTONITE SEAL 2.0m TO 0.1m. COMPLETED WITH A CONCRETED GATIC COVER.
							6							
							7							

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ENVIRONMENTAL LOG

Environmental logs are not to be used for geotechnical purposes

Log No. **BH/MW3** **1/1**

SDUP1: 0.2-0.3m

Client: MHA PBR Pty Ltd

Project: DUE DILIGENCE

Location: 122-128 & 130 PYRMONT BRIDGE ROAD; 206 PARRAMATTA ROAD, ANNANDALE, NSW

Job No.: E33770PA **Method:** SPIRAL AUGER **R.L. Surface:** N/A

Date: 12/1/21 **Datum:** -

Plant Type: JK205 **Logged/Checked by:** A.V.B./B.P.

Groundwater Record	SAMPLES ES	SAMPLES ASS	SAMPLES ASB	SAMPLES SAL	SAMPLES DB	Field Tests	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel. Density	Hand Penetrometer Readings (kPa.)	Remarks
DRY ON COMPLETION							0			CONCRETE: 155mm.t				DOUBLE CONCRETE SLAB
									-	FILL: Gravelly silty sand, fine to medium grained, dark grey brown, fine to coarse grained igneous and sandstone gravel, trace of clay nodules.	M			
						N > 7 6,1/10mm REFUSAL			-	SANDSTONE: fine to medium grained, grey orange and red brown.	DW			HAWKESBURY SANDSTONE
							1							
							2							
							3							
										END OF BOREHOLE AT 3.6m				GROUNDWATER MONITORING WELL INSTALLED TO 3.37m. CLASS 18 MACHINE SLOTTED 50mm DIA. PVC STANDPIPE 3.37m TO 1.0m. CASING 1.0m TO 0m. 2mm SAND FILTER PACK 3.37m TO 0.6m. BENTONITE SEAL 0.6m TO 0.1m. COMPLETED WITH A CONCRETED GATIC COVER.
							4							
							5							
							6							
							7							

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ENVIRONMENTAL LOG

Environmental logs are not to be used for geotechnical purposes

Log No. **BH4** **1/1**

Client: MHA PBR Pty Ltd

Project: DUE DILIGENCE

Location: 122-128 & 130 PYRMONT BRIDGE ROAD; 206 PARRAMATTA ROAD, ANNANDALE, NSW

Job No.: E33770PA **Method:** SPIRAL AUGER **R.L. Surface:** ≈ 14.0m

Date: 12/1/21 **Datum:** ASSUMED

Plant Type: JK205 **Logged/Checked by:** A.V.B./B.P.

Groundwater Record	SAMPLES ES	SAMPLES ASS	SAMPLES ASB	SAMPLES SAL	SAMPLES DB	Field Tests	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel. Density	Hand Penetrometer Readings (kPa.)	Remarks
DRY ON COMPLETION							0		-	CONCRETE: 110mm.t				
										FILL: Gravelly silty sand, fine to medium grained, grey brown, fine to medium grained igneous and sandstone gravel.	M			
						N = SPT 3/50mm REFUSAL			-	SANDSTONE: fine to medium grained, grey orange and red brown.	DW			HAWKESBURY SANDSTONE
							1			END OF BOREHOLE AT 0.7m				
							2							
							3							
							4							
							5							
							6							
							7							

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ENVIRONMENTAL LOG

Environmental logs are not to be used for geotechnical purposes

Log No. **BH5** **1/1**

SDUP2: 0.15-0.2m

Client: MHA PBR Pty Ltd

Project: DUE DILIGENCE

Location: 122-128 & 130 PYRMONT BRIDGE ROAD; 206 PARRAMATTA ROAD, ANNANDALE, NSW

Job No.: E33770PA **Method:** SPIRAL AUGER **R.L. Surface:** ≈ 15.0m

Date: 12/1/21 **Datum:** ASSUMED

Plant Type: JK205 **Logged/Checked by:** A.V.B./B.P.

Groundwater Record	SAMPLES ES	SAMPLES ASS	SAMPLES ASB	SAMPLES SAL	SAMPLES DB	Field Tests	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel. Density	Hand Penetrometer Readings (kPa.)	Remarks
DRY ON COMPLE-TION	■		■				0			CONCRETE: 120mm.t				
	■								-	FILL: Sand, fine to medium grained, orange, trace of sandstone gravel, and concrete fragments.	M			
	■					N > 10 3,9, 1/0mm			-	FILL: Gravelly silty sand, fine to medium grained, dark grey brown, fine to medium grained igneous and sandstone gravel.	DW			HAWKESBURY SANDSTONE
						REFUSAL	1			SANDSTONE: fine to medium grained, light grey orange and red brown.				
						REFUSAL				END OF BOREHOLE AT 1.0m				
							2							
							3							
							4							
							5							
							6							
							7							

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ENVIRONMENTAL LOGS EXPLANATION NOTES

INTRODUCTION

These notes have been provided to amplify the environmental report in regard to classification methods, field procedures and certain matters relating to the logging of soil and rock. Not all notes are necessarily relevant to all reports.

Where geotechnical borehole logs are utilised for environmental purpose, reference should also be made to the explanatory notes included in the geotechnical report. Environmental logs are not suitable for geotechnical purposes.

The ground is a product of continuing natural and man-made processes and therefore exhibits a variety of characteristics and properties which vary from place to place and can change with time. Environmental studies include gathering and assimilating limited facts about these characteristics and properties in order to understand or predict the behaviour of the ground on a particular site under certain conditions. This report may contain such facts obtained by inspection, excavation, probing, sampling, testing or other means of investigation. If so, they are directly relevant only to the ground at the place where and time when the investigation was carried out.

DESCRIPTION AND CLASSIFICATION METHODS

The methods of description and classification of soils and rocks used in this report are based on Australian Standard 1726:2017 *'Geotechnical Site Investigations'*. In general, descriptions cover the following properties – soil or rock type, colour, structure, strength or density, and inclusions. Identification and classification of soil and rock involves judgement and the Company infers accuracy only to the extent that is common in current geoenvironmental practice.

Soil types are described according to the predominating particle size and behaviour as set out in the attached soil classification table qualified by the grading of other particles present (eg. sandy clay) as set out below:

Soil Classification	Particle Size
Clay	< 0.002mm
Silt	0.002 to 0.075mm
Sand	0.075 to 2.36mm
Gravel	2.36 to 63mm
Cobbles	63 to 200mm
Boulders	> 200mm

Non-cohesive soils are classified on the basis of relative density, generally from the results of Standard Penetration Test (SPT) as below:

Relative Density	SPT 'N' Value (blows/300mm)
Very loose (VL)	< 4
Loose (L)	4 to 10
Medium dense (MD)	10 to 30
Dense (D)	30 to 50
Very Dense (VD)	> 50

Cohesive soils are classified on the basis of strength (consistency) either by use of a hand penetrometer, vane shear, laboratory testing and/or tactile engineering examination. The strength terms are defined as follows.

Classification	Unconfined Compressive Strength (kPa)	Indicative Undrained Shear Strength (kPa)
Very Soft (VS)	≤ 25	≤ 12
Soft (S)	> 25 and ≤ 50	> 12 and ≤ 25
Firm (F)	> 50 and ≤ 100	> 25 and ≤ 50
Stiff (St)	> 100 and ≤ 200	> 50 and ≤ 100
Very Stiff (VSt)	> 200 and ≤ 400	> 100 and ≤ 200
Hard (Hd)	> 400	> 200
Friable (Fr)	Strength not attainable – soil crumbles	

Rock types are classified by their geological names, together with descriptive terms regarding weathering, strength, defects, etc. Where relevant, further information regarding rock classification is given in the text of the report. In the Sydney Basin, 'shale' is used to describe fissile mudstone, with a weakness parallel to bedding. Rocks with alternating inter-laminations of different grain size (eg. siltstone/claystone and siltstone/fine grained sandstone) are referred to as 'laminite'.

INVESTIGATION METHODS

The following is a brief summary of investigation methods currently adopted by the Company and some comments on their use and application. All methods except test pits, hand auger drilling and portable Dynamic Cone Penetrometers require the use of a mechanical rig which is commonly mounted on a truck chassis or track base.

Test Pits: These are normally excavated with a backhoe or a tracked excavator, allowing close examination of the insitu soils and 'weaker' bedrock if it is safe to descend into the pit. The depth of penetration is limited to about 3m for a backhoe and up to 6m for a large excavator. Limitations of test pits are the problems associated with disturbance and difficulty of reinstatement and the consequent effects on close-by structures. Care must be taken if construction is to be carried out near test pit locations to either properly recompact the backfill during construction or to design and construct the

structure so as not to be adversely affected by poorly compacted backfill at the test pit location.

Hand Auger Drilling: A borehole of 50mm to 100mm diameter is advanced by manually operated equipment. Refusal of the hand auger can occur on a variety of materials such as obstructions within any fill, tree roots, hard clay, gravel or ironstone, cobbles and boulders, and does not necessarily indicate rock level.

Continuous Spiral Flight Augers: The borehole is advanced using 75mm to 115mm diameter continuous spiral flight augers, which are withdrawn at intervals to allow sampling and insitu testing. This is a relatively economical means of drilling in clays and in sands above the water table. Samples are returned to the surface by the flights or may be collected after withdrawal of the auger flights, but they can be very disturbed and layers may become mixed. Information from the auger sampling (as distinct from specific sampling by SPTs or undisturbed samples) is of limited reliability due to mixing or softening of samples by groundwater, or uncertainties as to the original depth of the samples. Augering below the groundwater table is of even lesser reliability than augering above the water table.

Rock Augering: Use can be made of a Tungsten Carbide (TC) bit for auger drilling into rock to indicate rock quality and continuity by variation in drilling resistance and from examination of recovered rock cuttings. This method of investigation is quick and relatively inexpensive but provides only an indication of the likely rock strength and predicted values may be in error by a strength order. Where rock strengths may have a significant impact on construction feasibility or costs, then further investigation by means of cored boreholes may be warranted.

Wash Boring: The borehole is usually advanced by a rotary bit, with water being pumped down the drill rods and returned up the annulus, carrying the drill cuttings. Only major changes in stratification can be assessed from the cuttings, together with some information from "feel" and rate of penetration.

Mud Stabilised Drilling: Either Wash Boring or Continuous Core Drilling can use drilling mud as a circulating fluid to stabilise the borehole. The term 'mud' encompasses a range of products ranging from bentonite to polymers. The mud tends to mask the cuttings and reliable identification is only possible from intermittent intact sampling (eg. from SPT and U50 samples) or from rock coring, etc.

Continuous Core Drilling: A continuous core sample is obtained using a diamond tipped core barrel. Provided full core recovery is achieved (which is not always possible in very low strength rocks and granular soils), this technique provides a very reliable (but relatively expensive) method of investigation. In rocks, NMLC or HQ triple tube core barrels, which give a core of about 50mm and 61mm diameter, respectively, is usually used with water flush. The length of core recovered is compared to the length drilled and any length not recovered is shown as NO CORE. The location of NO CORE recovery is determined on site by the supervising engineer; where the location is uncertain, the loss is placed at the bottom of the drill run.

Standard Penetration Tests: Standard Penetration Tests (SPT) are used mainly in non-cohesive soils, but can also be used in cohesive soils, as a means of indicating density or strength and also of obtaining a relatively undisturbed sample. The test procedure is described in Australian Standard 1289.6.3.1–2004 (R2016) *'Methods of Testing Soils for Engineering Purposes, Soil Strength and Consolidation Tests – Determination of the Penetration Resistance of a Soil – Standard Penetration Test (SPT)'*.

The test is carried out in a borehole by driving a 50mm diameter split sample tube with a tapered shoe, under the impact of a 63.5kg hammer with a free fall of 760mm. It is normal for the tube to be driven in three successive 150mm increments and the 'N' value is taken as the number of blows for the last 300mm. In dense sands, very hard clays or weak rock, the full 450mm penetration may not be practicable and the test is discontinued.

The test results are reported in the following form:

- In the case where full penetration is obtained with successive blow counts for each 150mm of, say, 4, 6 and 7 blows, as

  N = 13
  4, 6, 7

- In a case where the test is discontinued short of full penetration, say after 15 blows for the first 150mm and 30 blows for the next 40mm, as

  N > 30
  15, 30/40mm

The results of the test can be related empirically to the engineering properties of the soil.

A modification to the SPT is where the same driving system is used with a solid 60° tipped steel cone of the same diameter as the SPT hollow sampler. The solid cone can be continuously driven for some distance in soft clays or loose sands, or may be used where damage would otherwise occur to the SPT. The results of this Solid Cone Penetration Test (SCPT) are shown as 'N_c' on the borehole logs, together with the number of blows per 150mm penetration.

LOGS

The borehole or test pit logs presented herein are an interpretation of the subsurface conditions, and their reliability will depend to some extent on the frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will enable the most reliable assessment, but is not always practicable or possible to justify on economic grounds. In any case, the boreholes or test pits represent only a very small sample of the total subsurface conditions.

The terms and symbols used in preparation of the logs are defined in the following pages.

Interpretation of the information shown on the logs, and its application to design and construction, should therefore take into account the spacing of boreholes or test pits, the method of drilling or excavation, the frequency of sampling and testing and the possibility of other than 'straight line' variations between the boreholes or test pits. Subsurface conditions between boreholes or test pits may vary significantly from conditions encountered at the borehole or test pit locations.

GROUNDWATER

Where groundwater levels are measured in boreholes, there are several potential problems:

- Although groundwater may be present, in low permeability soils it may enter the hole slowly or perhaps not at all during the time it is left open.
- A localised perched water table may lead to an erroneous indication of the true water table.
- Water table levels will vary from time to time with seasons or recent weather changes and may not be the same at the time of construction.
- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must be washed out of the hole or 'reverted' chemically if reliable water observations are to be made.

More reliable measurements can be made by installing standpipes which are read after the groundwater level has stabilised at intervals ranging from several days to perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from perched water tables or surface water.

FILL

The presence of fill materials can often be determined only by the inclusion of foreign objects (eg. bricks, steel, etc) or by distinctly unusual colour, texture or fabric. Identification of the extent of fill materials will also depend on investigation methods and frequency. Where natural soils similar to those at the site are used for fill, it may be difficult with limited testing and sampling to reliably assess the extent of the fill.

The presence of fill materials is usually regarded with caution as the possible variation in density and material type is much greater than with natural soil deposits. Consequently, there is an increased risk of adverse environmental characteristics or behaviour. If the volume and nature of fill is of importance to a project, then frequent test pit excavations are preferable to boreholes.

LABORATORY TESTING

Laboratory testing has not been undertaken to confirm the soil classification and rock strengths indicated on the environmental logs unless noted in the report.

SYMBOL LEGENDS

SOIL


FILL


TOPSOIL


CLAY (CL, CI, CH)


SILT (ML, MH)


SAND (SP, SW)


GRAVEL (GP, GW)


SANDY CLAY (CL, CI, CH)


SILTY CLAY (CL, CI, CH)


CLAYEY SAND (SC)


SILTY SAND (SM)


GRAVELLY CLAY (CL, CI, CH)


CLAYEY GRAVEL (GC)


SANDY SILT (ML, MH)


PEAT AND HIGHLY ORGANIC SOILS (Pt)

ROCK


CONGLOMERATE


SANDSTONE


SHALE/MUDSTONE


SILTSTONE


CLAYSTONE


COAL


LAMINITE


LIMESTONE


PHYLLITE, SCHIST


TUFF


GRANITE, GABBRO


DOLERITE, DIORITE


BASALT, ANDESITE


QUARTZITE

OTHER MATERIALS


BRICKS OR PAVERS


CONCRETE


ASPHALTIC CONCRETE

CLASSIFICATION OF COARSE AND FINE GRAINED SOILS

Major Divisions		Group Symbol	Typical Names	Field Classification of Sand and Gravel	Laboratory Classification	
Coarse grained soil (more than 65% of soil excluding oversize fraction is greater than 0.075mm)	GRAVEL (more than half of coarse fraction is larger than 2.36mm	GW	Gravel and gravel-sand mixtures, little or no fines	Wide range in grain size and substantial amounts of all intermediate sizes, not enough fines to bind coarse grains, no dry strength	≤ 5% fines	$C_u > 4$ $1 < C_c < 3$
		GP	Gravel and gravel-sand mixtures, little or no fines, uniform gravels	Predominantly one size or range of sizes with some intermediate sizes missing, not enough fines to bind coarse grains, no dry strength	≤ 5% fines	Fails to comply with above
		GM	Gravel-silt mixtures and gravel-sand-silt mixtures	'Dirty' materials with excess of non-plastic fines, zero to medium dry strength	≥ 12% fines, fines are silty	Fines behave as silt
		GC	Gravel-clay mixtures and gravel-sand-clay mixtures	'Dirty' materials with excess of plastic fines, medium to high dry strength	≥ 12% fines, fines are clayey	Fines behave as clay
	SAND (more than half of coarse fraction is smaller than 2.36mm)	SW	Sand and gravel-sand mixtures, little or no fines	Wide range in grain size and substantial amounts of all intermediate sizes, not enough fines to bind coarse grains, no dry strength	≤ 5% fines	$C_u > 6$ $1 < C_c < 3$
		SP	Sand and gravel-sand mixtures, little or no fines	Predominantly one size or range of sizes with some intermediate sizes missing, not enough fines to bind coarse grains, no dry strength	≤ 5% fines	Fails to comply with above
		SM	Sand-silt mixtures	'Dirty' materials with excess of non-plastic fines, zero to medium dry strength	≥ 12% fines, fines are silty	N/A
		SC	Sand-clay mixtures	'Dirty' materials with excess of plastic fines, medium to high dry strength	≥ 12% fines, fines are clayey	

Major Divisions		Group Symbol	Typical Names	Field Classification of Silt and Clay			Laboratory Classification
				Dry Strength	Dilatancy	Toughness	% < 0.075mm
Fine grained soils (more than 35% of soil excluding oversize fraction is less than 0.075mm)	SILT and CLAY (low to medium plasticity)	ML	Inorganic silt and very fine sand, rock flour, silty or clayey fine sand or silt with low plasticity	None to low	Slow to rapid	Low	Below A line
		CL, CI	Inorganic clay of low to medium plasticity, gravelly clay, sandy clay	Medium to high	None to slow	Medium	Above A line
		OL	Organic silt	Low to medium	Slow	Low	Below A line
	SILT and CLAY (high plasticity)	MH	Inorganic silt	Low to medium	None to slow	Low to medium	Below A line
		CH	Inorganic clay of high plasticity	High to very high	None	High	Above A line
		OH	Organic clay of medium to high plasticity, organic silt	Medium to high	None to very slow	Low to medium	Below A line
	Highly organic soil	Pt	Peat, highly organic soil	–	–	–	–

Laboratory Classification Criteria

A well graded coarse grained soil is one for which the coefficient of uniformity $Cu > 4$ and the coefficient of curvature $1 < C_c < 3$. Otherwise, the soil is poorly graded. These coefficients are given by:

$$C_U = \frac{D_{60}}{D_{10}} \qquad and \qquad C_C = \frac{(D_{30})^2}{D_{10}\, D_{60}}$$

Where D_{10}, D_{30} and D_{60} are those grain sizes for which 10%, 30% and 60% of the soil grains, respectively, are smaller.

NOTES:

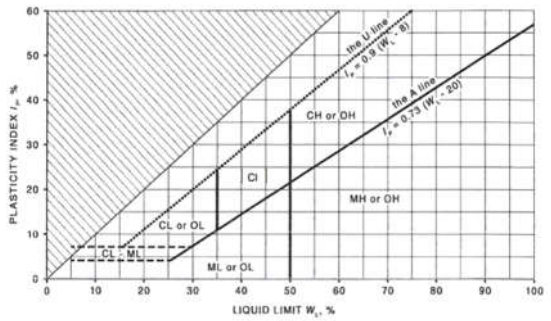
1 For a coarse grained soil with a fines content between 5% and 12%, the soil is given a dual classification comprising the two group symbols separated by a dash; for example, for a poorly graded gravel with between 5% and 12% silt fines, the classification is GP-GM.

2 Where the grading is determined from laboratory tests, it is defined by coefficients of curvature (C_c) and uniformity (C_u) derived from the particle size distribution curve.

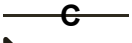
3 Clay soils with liquid limits > 35% and ≤ 50% may be classified as being of medium plasticity.

4 The U line on the Modified Casagrande Chart is an approximate upper bound for most natural soils.

Modified Casagrande Chart for Classifying Silts and Clays according to their Behaviour



LOG SYMBOLS

Log Column	Symbol	Definition
Groundwater Record		Standing water level. Time delay following completion of drilling/excavation may be shown.
		Extent of borehole/test pit collapse shortly after drilling/excavation.
		Groundwater seepage into borehole or test pit noted during drilling or excavation.
Samples	ES	Sample taken over depth indicated, for environmental analysis.
	U50	Undisturbed 50mm diameter tube sample taken over depth indicated.
	DB	Bulk disturbed sample taken over depth indicated.
	DS	Small disturbed bag sample taken over depth indicated.
	ASB	Soil sample taken over depth indicated, for asbestos analysis.
	ASS	Soil sample taken over depth indicated, for acid sulfate soil analysis.
	SAL	Soil sample taken over depth indicated, for salinity analysis.
Field Tests	N = 17 4, 7, 10	Standard Penetration Test (SPT) performed between depths indicated by lines. Individual figures show blows per 150mm penetration. 'Refusal' refers to apparent hammer refusal within the corresponding 150mm depth increment.
	N_c = 5 7 3R	Solid Cone Penetration Test (SCPT) performed between depths indicated by lines. Individual figures show blows per 150mm penetration for 60° solid cone driven by SPT hammer. 'R' refers to apparent hammer refusal within the corresponding 150mm depth increment.
	VNS = 25 PID = 100	Vane shear reading in kPa of undrained shear strength. Photoionisation detector reading in ppm (soil sample headspace test).
Moisture Condition (Fine Grained Soils)	$w > PL$ $w \approx PL$ $w < PL$ $w \approx LL$ $w > LL$	Moisture content estimated to be greater than plastic limit. Moisture content estimated to be approximately equal to plastic limit. Moisture content estimated to be less than plastic limit. Moisture content estimated to be near liquid limit. Moisture content estimated to be wet of liquid limit.
(Coarse Grained Soils)	D M W	DRY – runs freely through fingers. MOIST – does not run freely but no free water visible on soil surface. WET – free water visible on soil surface.
Strength (Consistency) Cohesive Soils	VS S F St VSt Hd Fr ( )	VERY SOFT – unconfined compressive strength ≤ 25kPa. SOFT – unconfined compressive strength > 25kPa and ≤ 50kPa. FIRM – unconfined compressive strength > 50kPa and ≤ 100kPa. STIFF – unconfined compressive strength > 100kPa and ≤ 200kPa. VERY STIFF – unconfined compressive strength > 200kPa and ≤ 400kPa. HARD – unconfined compressive strength > 400kPa. FRIABLE – strength not attainable, soil crumbles. Bracketed symbol indicates estimated consistency based on tactile examination or other assessment.
Density Index/ Relative Density (Cohesionless Soils)	VL L MD D VD ( )	**Density Index (I_D) Range (%)** / **SPT 'N' Value Range (Blows/300mm)** VERY LOOSE ≤ 15 / 0 – 4 LOOSE > 15 and ≤ 35 / 4 – 10 MEDIUM DENSE > 35 and ≤ 65 / 10 – 30 DENSE > 65 and ≤ 85 / 30 – 50 VERY DENSE > 85 / > 50 Bracketed symbol indicates estimated density based on ease of drilling or other assessment.
Hand Penetrometer Readings	300 250	Measures reading in kPa of unconfined compressive strength. Numbers indicate individual test results on representative undisturbed material unless noted otherwise.

Log Column	Symbol	Definition
Remarks	'V' bit	Hardened steel 'V' shaped bit.
	'TC' bit	Twin pronged tungsten carbide bit.
	T_{60}	Penetration of auger string in mm under static load of rig applied by drill head hydraulics without rotation of augers.
	Soil Origin	The geological origin of the soil can generally be described as: RESIDUAL – soil formed directly from insitu weathering of the underlying rock. No visible structure or fabric of the parent rock. EXTREMELY WEATHERED – soil formed directly from insitu weathering of the underlying rock. Material is of soil strength but retains the structure and/or fabric of the parent rock. ALLUVIAL – soil deposited by creeks and rivers. ESTUARINE – soil deposited in coastal estuaries, including sediments caused by inflowing creeks and rivers, and tidal currents. MARINE – soil deposited in a marine environment. AEOLIAN – soil carried and deposited by wind. COLLUVIAL – soil and rock debris transported downslope by gravity, with or without the assistance of flowing water. Colluvium is usually a thick deposit formed from a landslide. The description 'slopewash' is used for thinner surficial deposits. LITTORAL – beach deposited soil.

Classification of Material Weathering

Term		Abbreviation		Definition
Residual Soil		RS		Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are no longer visible, but the soil has not been significantly transported.
Extremely Weathered		XW		Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are still visible.
Highly Weathered	Distinctly Weathered (Note 1)	HW	DW	The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable. Rock strength is significantly changed by weathering. Some primary minerals have weathered to clay minerals. Porosity may be increased by leaching, or may be decreased due to deposition of weathering products in pores.
Moderately Weathered		MW		The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable, but shows little or no change of strength from fresh rock.
Slightly Weathered		SW		Rock is partially discoloured with staining or bleaching along joints but shows little or no change of strength from fresh rock.
Fresh		FR		Rock shows no sign of decomposition of individual minerals or colour changes.

NOTE 1: The term 'Distinctly Weathered' is used where it is not practicable to distinguish between 'Highly Weathered' and 'Moderately Weathered' rock. 'Distinctly Weathered' is defined as follows: *'Rock strength usually changed by weathering. The rock may be highly discoloured, usually by iron staining. Porosity may be increased by leaching, or may be decreased due to deposition of weathering products in pores'*. There is some change in rock strength.

Rock Material Strength Classification

Term	Abbreviation	Uniaxial Compressive Strength (MPa)	Guide to Strength	
			Point Load Strength Index $Is_{(50)}$ (MPa)	Field Assessment
Very Low Strength	VL	0.6 to 2	0.03 to 0.1	Material crumbles under firm blows with sharp end of pick; can be peeled with knife; too hard to cut a triaxial sample by hand. Pieces up to 30mm thick can be broken by finger pressure.
Low Strength	L	2 to 6	0.1 to 0.3	Easily scored with a knife; indentations 1mm to 3mm show in the specimen with firm blows of the pick point; has dull sound under hammer. A piece of core 150mm long by 50mm diameter may be broken by hand. Sharp edges of core may be friable and break during handling.
Medium Strength	M	6 to 20	0.3 to 1	Scored with a knife; a piece of core 150mm long by 50mm diameter can be broken by hand with difficulty.
High Strength	H	20 to 60	1 to 3	A piece of core 150mm long by 50mm diameter cannot be broken by hand but can be broken by a pick with a single firm blow; rock rings under hammer.
Very High Strength	VH	60 to 200	3 to 10	Hand specimen breaks with pick after more than one blow; rock rings under hammer.
Extremely High Strength	EH	> 200	> 10	Specimen requires many blows with geological pick to break through intact material; rock rings under hammer.

Appendix E: Laboratory Reports & COC Documents

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CERTIFICATE OF ANALYSIS 259409

Client Details

Client	JK Environments
Attention	Anthony Barkway
Address	PO Box 976, North Ryde BC, NSW, 1670

Sample Details

Your Reference	**E33770PA, Annandale**
Number of Samples	22 Soil
Date samples received	13/01/2021
Date completed instructions received	13/01/2021

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	20/01/2021
Date of Issue	18/01/2021

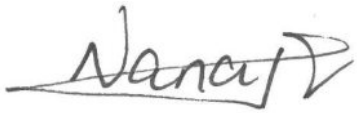
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Asbestos Approved By
Analysed by Asbestos Approved Identifier: Nyovan Moonean
Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By
Diego Bigolin, Team Leader, Inorganics
Dragana Tomas, Senior Chemist
Jaimie Loa-Kum-Cheung, Metals Supervisor
Lucy Zhu, Asbestos Supervisor
Manju Dewendrage, Chemist

Authorised By



Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		259409-1	259409-2	259409-4	259409-5	259409-7
Your Reference	UNITS	BH1	BH1	BH2	BH2	BH3
Depth		0.15-0.25	0.6-0.85	0.2-0.3	0.45-0.55	0.2-0.3
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	89	96	89	103	89

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		259409-8	259409-12	259409-13	259409-15	259409-16
Your Reference	UNITS	BH3	BH4	BH4	BH5	BH5
Depth		0.6-0.7	0.15-0.25	0.45-0.55	0.15-0.2	0.25-0.35
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	93	99	95	95	97

vTRH(C6-C10)/BTEXN in Soil				
Our Reference		259409-19	259409-21	259409-22
Your Reference	UNITS	SDUP1	TBS1	TSS1
Depth		-	-	-
Date Sampled		12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil
Date extracted	-	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	15/01/2021	15/01/2021	15/01/2021
TRH C_6 - C_9	mg/kg	<25	<25	[NA]
TRH C_6 - C_{10}	mg/kg	<25	<25	[NA]
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	[NA]
Benzene	mg/kg	<0.2	<0.2	89%
Toluene	mg/kg	<0.5	<0.5	87%
Ethylbenzene	mg/kg	<1	<1	94%
m+p-xylene	mg/kg	<2	<2	88%
o-Xylene	mg/kg	<1	<1	80%
naphthalene	mg/kg	<1	<1	[NA]
Total +ve Xylenes	mg/kg	<3	<3	[NT]
Surrogate aaa-Trifluorotoluene	%	84	97	81%

svTRH (C10-C40) in Soil						
Our Reference		259409-1	259409-2	259409-4	259409-5	259409-7
Your Reference	UNITS	BH1	BH1	BH2	BH2	BH3
Depth		0.15-0.25	0.6-0.85	0.2-0.3	0.45-0.55	0.2-0.3
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	160	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	780	<100	<100
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	610	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	1,300	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	1,900	<50	<50
Surrogate o-Terphenyl	%	82	81	88	81	80

svTRH (C10-C40) in Soil						
Our Reference		259409-8	259409-12	259409-13	259409-15	259409-16
Your Reference	UNITS	BH3	BH4	BH4	BH5	BH5
Depth		0.6-0.7	0.15-0.25	0.45-0.55	0.15-0.2	0.25-0.35
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	220	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	240	<100	<100	180
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	380	<100	<100	110
TRH >C_{34} -C_{40}	mg/kg	140	200	<100	<100	340
Total +ve TRH (>C10-C40)	mg/kg	140	590	<50	<50	450
Surrogate o-Terphenyl	%	80	91	76	79	77

svTRH (C10-C40) in Soil		
Our Reference		259409-19
Your Reference	UNITS	SDUP1
Depth		-
Date Sampled		12/01/2021
Type of sample		Soil
Date extracted	-	13/01/2021
Date analysed	-	14/01/2021
TRH C_{10} - C_{14}	mg/kg	<50
TRH C_{15} - C_{28}	mg/kg	<100
TRH C_{29} - C_{36}	mg/kg	<100
TRH >C_{10} -C_{16}	mg/kg	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50
TRH >C_{16} -C_{34}	mg/kg	<100
TRH >C_{34} -C_{40}	mg/kg	<100
Total +ve TRH (>C10-C40)	mg/kg	<50
Surrogate o-Terphenyl	%	76

PAHs in Soil						
Our Reference		259409-1	259409-2	259409-4	259409-5	259409-7
Your Reference	UNITS	BH1	BH1	BH2	BH2	BH3
Depth		0.15-0.25	0.6-0.85	0.2-0.3	0.45-0.55	0.2-0.3
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	0.1	<0.1	1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	2.2
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	1.7
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	1.4
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.8
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	1.2
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.5
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.6
Total +ve PAH's	mg/kg	<0.05	<0.05	0.1	<0.05	12
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.8
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.8
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.8
Surrogate p-Terphenyl-d14	%	95	65	80	89	70

PAHs in Soil						
Our Reference		259409-8	259409-12	259409-13	259409-15	259409-16
Your Reference	UNITS	BH3	BH4	BH4	BH5	BH5
Depth		0.6-0.7	0.15-0.25	0.45-0.55	0.15-0.2	0.25-0.35
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.2	0.7	0.2	<0.1	<0.1
Anthracene	mg/kg	<0.1	0.3	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.4	2.0	0.4	<0.1	<0.1
Pyrene	mg/kg	0.2	1.5	0.4	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.2	1.4	0.3	<0.1	<0.1
Chrysene	mg/kg	0.1	0.6	0.2	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	0.2	2	0.4	<0.2	<0.2
Benzo(a)pyrene	mg/kg	0.2	1.0	0.2	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.4	0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	0.1	0.5	0.2	<0.1	<0.1
Total +ve PAH's	mg/kg	1.6	10	2.3	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	1.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	1.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	1.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	68	67	72	66	73

PAHs in Soil		
Our Reference		259409-19
Your Reference	UNITS	SDUP1
Depth		-
Date Sampled		12/01/2021
Type of sample		Soil
Date extracted	-	14/01/2021
Date analysed	-	14/01/2021
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	0.3
Acenaphthene	mg/kg	<0.1
Fluorene	mg/kg	0.2
Phenanthrene	mg/kg	2.5
Anthracene	mg/kg	0.6
Fluoranthene	mg/kg	2.9
Pyrene	mg/kg	3.6
Benzo(a)anthracene	mg/kg	2.6
Chrysene	mg/kg	0.9
Benzo(b,j+k)fluoranthene	mg/kg	2.5
Benzo(a)pyrene	mg/kg	1.7
Indeno(1,2,3-c,d)pyrene	mg/kg	0.7
Dibenzo(a,h)anthracene	mg/kg	0.3
Benzo(g,h,i)perylene	mg/kg	0.8
Total +ve PAH's	mg/kg	20
Benzo(a)pyrene TEQ calc (zero)	mg/kg	2.6
Benzo(a)pyrene TEQ calc(half)	mg/kg	2.6
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	2.6
Surrogate p-Terphenyl-d14	%	88

Organochlorine Pesticides in soil						
Our Reference		259409-1	259409-4	259409-7	259409-12	259409-15
Your Reference	UNITS	BH1	BH2	BH3	BH4	BH5
Depth		0.15-0.25	0.2-0.3	0.2-0.3	0.15-0.25	0.15-0.2
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	4.9	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	1.9	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	103	99	102	101	101

Organophosphorus Pesticides in Soil						
Our Reference		259409-1	259409-4	259409-7	259409-12	259409-15
Your Reference	UNITS	BH1	BH2	BH3	BH4	BH5
Depth		0.15-0.25	0.2-0.3	0.2-0.3	0.15-0.25	0.15-0.2
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	103	99	102	101	101

PCBs in Soil						
Our Reference		259409-1	259409-4	259409-7	259409-12	259409-15
Your Reference	UNITS	BH1	BH2	BH3	BH4	BH5
Depth		0.15-0.25	0.2-0.3	0.2-0.3	0.15-0.25	0.15-0.2
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	103	99	102	101	101

Acid Extractable metals in soil						
Our Reference		259409-1	259409-2	259409-4	259409-5	259409-7
Your Reference	UNITS	BH1	BH1	BH2	BH2	BH3
Depth		0.15-0.25	0.6-0.85	0.2-0.3	0.45-0.55	0.2-0.3
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Arsenic	mg/kg	<4	<4	<4	6	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	0.6
Chromium	mg/kg	16	1	8	45	14
Copper	mg/kg	<1	<1	25	4	76
Lead	mg/kg	10	7	4	10	340
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	0.7
Nickel	mg/kg	<1	<1	22	<1	8
Zinc	mg/kg	<1	<1	19	8	280

Acid Extractable metals in soil						
Our Reference		259409-8	259409-12	259409-13	259409-15	259409-16
Your Reference	UNITS	BH3	BH4	BH4	BH5	BH5
Depth		0.6-0.7	0.15-0.25	0.45-0.55	0.15-0.2	0.25-0.35
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Arsenic	mg/kg	6	5	<4	<4	<4
Cadmium	mg/kg	<0.4	0.8	0.5	<0.4	<0.4
Chromium	mg/kg	26	22	14	13	15
Copper	mg/kg	6	210	56	8	64
Lead	mg/kg	64	120	48	5	19
Mercury	mg/kg	0.1	0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	<1	41	17	2	63
Zinc	mg/kg	22	350	390	38	50

Acid Extractable metals in soil			
Our Reference		259409-19	259409-23
Your Reference	UNITS	SDUP1	BH5 - [TRIPLICATE]
Depth		-	0.15-0.2
Date Sampled		12/01/2021	12/01/2021
Type of sample		Soil	Soil
Date prepared	-	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021
Arsenic	mg/kg	5	<4
Cadmium	mg/kg	<0.4	<0.4
Chromium	mg/kg	17	12
Copper	mg/kg	45	10
Lead	mg/kg	230	6
Mercury	mg/kg	0.8	<0.1
Nickel	mg/kg	7	2
Zinc	mg/kg	190	9

Misc Soil - Inorg						
Our Reference		259409-1	259409-4	259409-7	259409-12	259409-15
Your Reference	UNITS	BH1	BH2	BH3	BH4	BH5
Depth		0.15-0.25	0.2-0.3	0.2-0.3	0.15-0.25	0.15-0.2
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Moisture						
Our Reference		259409-1	259409-2	259409-4	259409-5	259409-7
Your Reference	UNITS	BH1	BH1	BH2	BH2	BH3
Depth		0.15-0.25	0.6-0.85	0.2-0.3	0.45-0.55	0.2-0.3
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Moisture	%	7.4	5.9	6.9	5.7	14

Moisture						
Our Reference		259409-8	259409-12	259409-13	259409-15	259409-16
Your Reference	UNITS	BH3	BH4	BH4	BH5	BH5
Depth		0.6-0.7	0.15-0.25	0.45-0.55	0.15-0.2	0.25-0.35
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Moisture	%	14	12	11	16	10

Moisture		
Our Reference		259409-19
Your Reference	UNITS	SDUP1
Depth		-
Date Sampled		12/01/2021
Type of sample		Soil
Date prepared	-	13/01/2021
Date analysed	-	14/01/2021
Moisture	%	14

Asbestos ID - soils NEPM - ASB-001						
Our Reference		259409-1	259409-4	259409-7	259409-12	259409-15
Your Reference	UNITS	BH1	BH2	BH3	BH4	BH5
Depth		0.15-0.25	0.2-0.3	0.2-0.3	0.15-0.25	0.15-0.2
Date Sampled		12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Sample mass tested	g	767.44	723.65	416.14	805.64	540.41
Sample Description	-	Pink coarse-grained soil & rocks	Grey fine-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Tan sandy soil
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	Chrysotile	Chrysotile	No visible asbestos detected
ACM >7mm Estimation*	g	–	–	–	0.0341	–
FA and AF Estimation*	g	–	–	0.0014	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001	<0.001

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004. Results reported denoted with * are outside our scope of NATA accreditation. **NOTE** #1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF) **NOTE** #2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.

Method ID	Methodology Summary
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-022	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	259409-4
Date extracted	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Date analysed	-			15/01/2021	1	15/01/2021	15/01/2021		15/01/2021	15/01/2021
TRH C_6 - C_9	mg/kg	25	Org-023	<25	1	<25	<25	0	93	102
TRH C_6 - C_{10}	mg/kg	25	Org-023	<25	1	<25	<25	0	93	102
Benzene	mg/kg	0.2	Org-023	<0.2	1	<0.2	<0.2	0	81	93
Toluene	mg/kg	0.5	Org-023	<0.5	1	<0.5	<0.5	0	93	101
Ethylbenzene	mg/kg	1	Org-023	<1	1	<1	<1	0	97	105
m+p-xylene	mg/kg	2	Org-023	<2	1	<2	<2	0	98	105
o-Xylene	mg/kg	1	Org-023	<1	1	<1	<1	0	95	103
naphthalene	mg/kg	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	87	1	89	94	5	83	96

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Date analysed	-			[NT]	15	15/01/2021	15/01/2021		[NT]	[NT]
TRH C_6 - C_9	mg/kg	25	Org-023	[NT]	15	<25	<25	0	[NT]	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-023	[NT]	15	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-023	[NT]	15	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-023	[NT]	15	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-023	[NT]	15	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-023	[NT]	15	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-023	[NT]	15	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-023	[NT]	15	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	15	95	83	13	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	259409-4
Date extracted	-			14/01/2021	1	13/01/2021	13/01/2021		14/01/2021	13/01/2021
Date analysed	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
TRH C_{10} - C_{14}	mg/kg	50	Org-020	<50	1	<50	<50	0	80	87
TRH C_{15} - C_{28}	mg/kg	100	Org-020	<100	1	<100	<100	0	76	115
TRH C_{29} - C_{36}	mg/kg	100	Org-020	<100	1	<100	<100	0	134	#
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	<50	1	<50	<50	0	80	87
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	<100	1	<100	<100	0	76	115
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	<100	1	<100	<100	0	134	#
Surrogate o-Terphenyl	%		Org-020	84	1	82	79	4	99	94

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	15	13/01/2021	13/01/2021		[NT]	[NT]
Date analysed	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-020	[NT]	15	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-020	[NT]	15	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-020	[NT]	15	<100	<100	0	[NT]	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	[NT]	15	<50	<50	0	[NT]	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	[NT]	15	<100	<100	0	[NT]	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	[NT]	15	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	15	79	80	1	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	259409-4
Date extracted	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Date analysed	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	102
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	84	114
Fluorene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	102	122
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	113	110
Anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	114	124
Pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	114	124
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	62	110
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	1	<0.05	<0.05	0	110	136
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	88	1	95	78	20	94	100

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Date analysed	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	15	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	15	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	15	66	73	10	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	259409-4
Date extracted	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Date analysed	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	130
HCB	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	104	118
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	91	114
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	117	126
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	101	124
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	99	126
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	129	112
Endrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	89	140
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	108	140
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	124	109
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	97	1	103	94	9	93	94

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	12	14/01/2021	14/01/2021		[NT]	[NT]
Date analysed	-			[NT]	12	14/01/2021	14/01/2021		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	12	4.9	5.7	15	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	12	1.9	1.5	24	[NT]	[NT]
Endrin	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	12	101	120	17	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Date analysed	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	15	101	107	6	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	259409-4
Date extracted	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Date analysed	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Dichlorvos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	92	76
Dimethoate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	118	122
Fenitrothion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	123	100
Malathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	129	124
Chlorpyriphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	128	114
Parathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	118
Bromophos-ethyl	mg/kg	0.1	Org-022	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	111	136
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	97	1	103	94	9	93	94

QUALITY CONTROL: Organophosphorus Pesticides in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Date analysed	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-022	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	15	101	107	6	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	259409-4
Date extracted	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Date analysed	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Aroclor 1016	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	120	120
Aroclor 1260	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	97	1	103	94	9	93	94

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Date analysed	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-021	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-021	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	15	101	107	6	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	259409-4
Date prepared	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Date analysed	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Arsenic	mg/kg	4	Metals-020	<4	1	<4	<4	0	107	81
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	<0.4	<0.4	0	104	77
Chromium	mg/kg	1	Metals-020	<1	1	16	11	37	103	85
Copper	mg/kg	1	Metals-020	<1	1	<1	<1	0	104	113
Lead	mg/kg	1	Metals-020	<1	1	10	9	11	103	80
Mercury	mg/kg	0.1	Metals-021	<0.1	1	<0.1	<0.1	0	113	104
Nickel	mg/kg	1	Metals-020	<1	1	<1	<1	0	104	88
Zinc	mg/kg	1	Metals-020	<1	1	<1	<1	0	104	82

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Date analysed	-			[NT]	15	14/01/2021	14/01/2021		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	15	<4	<4	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	15	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	15	13	14	7	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	15	8	10	22	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	15	5	5	0	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	15	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	15	2	2	0	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	15	38	8	130	[NT]	[NT]

QUALITY CONTROL: Misc Soil - Inorg						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	259409-4
Date prepared	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Date analysed	-			14/01/2021	1	14/01/2021	14/01/2021		14/01/2021	14/01/2021
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	1	<5	<5	0	101	101

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

TRH Soil C10-C40 NEPM - # Percent recovery for the matrix spike is not possible to report as the high concentration of analytes in sample 259409-4 has caused interference.

Acid Extractable Metals in Soil: The laboratory RPD acceptance criteria has been exceeded for 259409-15 for Zn. Therefore a triplicate result has been issued as laboratory sample number 259409-23.

Asbestos-ID in soil: NEPM
This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

Factual description of asbestos identified in the soil samples: NEPM
Sample 259409-7; Chrysotile asbestos identified in 0.0014g of loose fibre bundles

Sample 259409-12; Chrysotile asbestos identified in 0.2271g of fibre cement material >7mm

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SAMPLE RECEIPT ADVICE

Client Details

Client	JK Environments
Attention	Anthony Barkway

Sample Login Details

Your reference	E33770PA, Annandale
Envirolab Reference	259409
Date Sample Received	13/01/2021
Date Instructions Received	13/01/2021
Date Results Expected to be Reported	20/01/2021

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	22 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	9.1
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

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Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBsin Soil	Acid Extractable metalsin soil	Misc Soil - Inorg	Asbestos ID - soils NEPM - ASB-001	On Hold
BH1-0.15-0.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH1-0.6-0.85	✓	✓	✓				✓			
BH1-1-1.1										✓
BH2-0.2-0.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH2-0.45-0.55	✓	✓	✓				✓			
BH2-1.1-1.2										✓
BH3-0.2-0.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH3-0.6-0.7	✓	✓	✓				✓			
BH3-1.1-1.2										✓
BH3-1.8-1.9										✓
BH3-3-3.1										✓
BH4-0.15-0.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH4-0.45-0.55	✓	✓	✓				✓			
BH4-0.6-0.7										✓
BH5-0.15-0.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH5-0.25-0.35	✓	✓	✓				✓			
BH5-0.6-0.8										✓
BH5-0.8-0.9										✓
SDUP1	✓	✓	✓				✓			
SDUP2										✓
TBS1	✓									
TSS1	✓									

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

259409 (updated.

SAMPLE AND CHAIN OF CUSTODY FORM

TO:		FROM:
ENVIROLAB SERVICES PTY LTD 12 ASHLEY STREET CHATSWOOD NSW 2067 P: (02) 99106200 F: (02) 99106201 Attention: Aileen	JKE Job Number: E33770PA Date Results Required: STANDARD Page: 1 of 1	JKEnvironments REAR OF 115 WICKS ROAD MACQUARIE PARK, NSW 2113 P: 02-9888 5000 F: 02-9888 5001 Attention: Abarkaway@jkenvironments.com.au

Location:	Annandale	Sample Preserved in Esky on Ice
Sampler:	AVB	Tests Required

Date Sampled	Lab Ref:	Sample Number	Depth (m)	Sample Container	PID	Sample Description	Combo 8	Combo 3	Asbestos WA Method	BTEX	HOLD							
12.1.21	1	BH1	0.15-0.25	G, A	0	F: Silty Sand	X		X									
12.1.21	2	BH1	0.6-0.85	G	0	Sandstone		X										
12.1.21	3	BH1	1-1.1	G	0	Sandstone					X							
12.1.21	4	BH2	0.2-0.3	G, A	0	F: Silty Gravelley Sand	X		X									
12.1.21	5	BH2	0.45-0.55	G	0	Silty Clay		X										
12.1.21	6	BH2	1.1-1.2	G	0	Sandstone					X							
12.1.21	7	BH3	0.2-0.3	G, A	0.1	F: Silty Gravelley Sand	X		X									
12.1.21	8	BH3	0.6-0.7	G	0.1	Sandstone		X										
12.1.21	9	BH3	1.1-1.2	G	0.1	Sandstone					X							
12.1.21	10	BH3	1.8-1.9	G	1.2	Sandstone					X							
12.1.21	11	BH3	3-3.1	G	0	Sandstone					X							
12.1.21	12	BH4	0.15-0.25	G, A	0.2	F: Silty Gravelley Sand	X		X									
12.1.21	13	BH4	0.45-0.55	G	0	F: Silty Gravelley Sand		X										
12.1.21	14	BH4	0.6-0.7	G	0	Sandstone					X							
12.1.21	15	BH5	0.15-0.2	G, A	0	F: Sand	X		X									
12.1.21	16	BH5	0.25-0.35	G, A	0	F: Silty Gravelley Sand		X										
12.1.21	17	BH5	0.6-0.8	G	0	Sandstone					X							
12.1.21	18	BH5	0.8-0.9	G	0.2	Sandstone					X							
12.1.21	19	SDUP1	-					X										
12.1.21	20	SDUP2	-								X							
	21	TBS1								X								
	22	TSS1								X								

Remarks (comments/detection limits required):	Sample Containers: G - 250mg Glass Jar A - Ziplock Asbestos Bag P - Plastic Bag

Relinquished By: Anthony Barkway	Date: 13.01.2021	Time:	Received By:	Date:

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CERTIFICATE OF ANALYSIS 259572

Client Details

Client	JK Environments
Attention	Anthony Barkway
Address	PO Box 976, North Ryde BC, NSW, 1670

Sample Details

Your Reference	**E33770PA, Annandale**
Number of Samples	5 WATER
Date samples received	15/01/2021
Date completed instructions received	15/01/2021

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

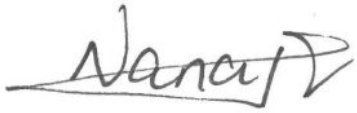
Date results requested by	22/01/2021
Date of Issue	21/01/2021

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Results Approved By
Dragana Tomas, Senior Chemist
Jaimie Loa-Kum-Cheung, Metals Supervisor
Josh Williams, Senior Chemist
Priya Samarawickrama, Senior Chemist

Authorised By



Nancy Zhang, Laboratory Manager

VOCs in water			
Our Reference		259572-1	259572-2
Your Reference	UNITS	MW2	MW3
Date Sampled		15/01/2021	15/01/2021
Type of sample		WATER	WATER
Date extracted	-	18/01/2021	18/01/2021
Date analysed	-	19/01/2021	19/01/2021
Dichlorodifluoromethane	µg/L	<10	<10
Chloromethane	µg/L	<10	<10
Vinyl Chloride	µg/L	<10	<10
Bromomethane	µg/L	<10	<10
Chloroethane	µg/L	<10	<10
Trichlorofluoromethane	µg/L	<10	<10
1,1-Dichloroethene	µg/L	<1	<1
Trans-1,2-dichloroethene	µg/L	<1	<1
1,1-dichloroethane	µg/L	<1	<1
Cis-1,2-dichloroethene	µg/L	<1	4
Bromochloromethane	µg/L	<1	<1
Chloroform	µg/L	<1	4
2,2-dichloropropane	µg/L	<1	<1
1,2-dichloroethane	µg/L	<1	<1
1,1,1-trichloroethane	µg/L	<1	<1
1,1-dichloropropene	µg/L	<1	<1
Cyclohexane	µg/L	<1	<1
Carbon tetrachloride	µg/L	<1	<1
Benzene	µg/L	<1	1
Dibromomethane	µg/L	<1	<1
1,2-dichloropropane	µg/L	<1	<1
Trichloroethene	µg/L	<1	2
Bromodichloromethane	µg/L	<1	<1
trans-1,3-dichloropropene	µg/L	<1	<1
cis-1,3-dichloropropene	µg/L	<1	<1
1,1,2-trichloroethane	µg/L	<1	<1
Toluene	µg/L	<1	1
1,3-dichloropropane	µg/L	<1	<1
Dibromochloromethane	µg/L	<1	<1
1,2-dibromoethane	µg/L	<1	<1
Tetrachloroethene	µg/L	<1	4
1,1,1,2-tetrachloroethane	µg/L	<1	<1
Chlorobenzene	µg/L	<1	<1
Ethylbenzene	µg/L	<1	<1

VOCs in water			
Our Reference		259572-1	259572-2
Your Reference	UNITS	MW2	MW3
Date Sampled		15/01/2021	15/01/2021
Type of sample		WATER	WATER
Bromoform	µg/L	<1	<1
m+p-xylene	µg/L	<2	<2
Styrene	µg/L	<1	<1
1,1,2,2-tetrachloroethane	µg/L	<1	<1
o-xylene	µg/L	<1	2
1,2,3-trichloropropane	µg/L	<1	<1
Isopropylbenzene	µg/L	<1	<1
Bromobenzene	µg/L	<1	<1
n-propyl benzene	µg/L	<1	<1
2-chlorotoluene	µg/L	<1	<1
4-chlorotoluene	µg/L	<1	<1
1,3,5-trimethyl benzene	µg/L	<1	<1
Tert-butyl benzene	µg/L	<1	<1
1,2,4-trimethyl benzene	µg/L	<1	<1
1,3-dichlorobenzene	µg/L	<1	<1
Sec-butyl benzene	µg/L	<1	<1
1,4-dichlorobenzene	µg/L	<1	<1
4-isopropyl toluene	µg/L	<1	<1
1,2-dichlorobenzene	µg/L	<1	<1
n-butyl benzene	µg/L	<1	<1
1,2-dibromo-3-chloropropane	µg/L	<1	<1
1,2,4-trichlorobenzene	µg/L	<1	<1
Hexachlorobutadiene	µg/L	<1	<1
1,2,3-trichlorobenzene	µg/L	<1	<1
Surrogate Dibromofluoromethane	%	103	102
Surrogate toluene-d8	%	99	101
Surrogate 4-BFB	%	99	102

vTRH(C6-C10)/BTEXN in Water						
Our Reference	UNITS	259572-1	259572-2	259572-3	259572-4	259572-5
Your Reference		MW2	MW3	WDUP1	TBW1	TSW1
Date Sampled		15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Type of sample		WATER	WATER	WATER	WATER	WATER
Date extracted	-	18/01/2021	18/01/2021	18/01/2021	18/01/2021	18/01/2021
Date analysed	-	19/01/2021	19/01/2021	19/01/2021	19/01/2021	19/01/2021
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	[NA]
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	[NA]
TRH C_6 - C_{10} less BTEX (F1)	µg/L	<10	<10	<10	<10	[NA]
Benzene	µg/L	<1	1	<1	<1	100%
Toluene	µg/L	<1	1	<1	<1	103%
Ethylbenzene	µg/L	<1	<1	<1	<1	97%
m+p-xylene	µg/L	<2	<2	<2	<2	91%
o-xylene	µg/L	<1	2	<1	<1	95%
Naphthalene	µg/L	<1	<1	<1	<1	[NA]
Surrogate Dibromofluoromethane	%	103	102	99	104	90
Surrogate toluene-d8	%	99	101	98	100	86
Surrogate 4-BFB	%	99	102	100	100	81

svTRH (C10-C40) in Water				
Our Reference		259572-1	259572-2	259572-3
Your Reference	UNITS	MW2	MW3	WDUP1
Date Sampled		15/01/2021	15/01/2021	15/01/2021
Type of sample		WATER	WATER	WATER
Date extracted	-	18/01/2021	18/01/2021	18/01/2021
Date analysed	-	19/01/2021	19/01/2021	19/01/2021
TRH C_{10} - C_{14}	µg/L	68	150	57
TRH C_{15} - C_{28}	µg/L	160	190	140
TRH C_{29} - C_{36}	µg/L	<100	<100	<100
TRH >C_{10} - C_{16}	µg/L	160	270	140
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	160	270	140
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100
Surrogate o-Terphenyl	%	89	74	80

PAHs in Water - Low Level				
Our Reference	UNITS	259572-1	259572-2	259572-3
Your Reference		MW2	MW3	WDUP1
Date Sampled		15/01/2021	15/01/2021	15/01/2021
Type of sample		WATER	WATER	WATER
Date extracted	-	18/01/2021	18/01/2021	18/01/2021
Date analysed	-	18/01/2021	18/01/2021	18/01/2021
Naphthalene	µg/L	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	90	78	90

HM in water - dissolved				
Our Reference	UNITS	259572-1	259572-2	259572-3
Your Reference		MW2	MW3	WDUP1
Date Sampled		15/01/2021	15/01/2021	15/01/2021
Type of sample		WATER	WATER	WATER
Date prepared	-	18/01/2021	18/01/2021	18/01/2021
Date analysed	-	18/01/2021	18/01/2021	18/01/2021
Arsenic-Dissolved	µg/L	<1	<1	<1
Cadmium-Dissolved	µg/L	0.3	0.1	0.3
Chromium-Dissolved	µg/L	<1	16	<1
Copper-Dissolved	µg/L	<1	3	<1
Lead-Dissolved	µg/L	<1	<1	<1
Mercury-Dissolved	µg/L	<0.05	<0.05	<0.05
Nickel-Dissolved	µg/L	2	2	2
Zinc-Dissolved	µg/L	16	520	15

Miscellaneous Inorganics			
Our Reference		259572-1	259572-2
Your Reference	UNITS	MW2	MW3
Date Sampled		15/01/2021	15/01/2021
Type of sample		WATER	WATER
Date prepared	-	15/01/2021	15/01/2021
Date analysed	-	15/01/2021	15/01/2021
pH	pH Units	6.5	6.7
Electrical Conductivity	µS/cm	600	590

Method ID	Methodology Summary
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Water samples are analysed directly by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: VOCs in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			18/01/2021	2	18/01/2021	19/01/2021		18/01/2021	[NT]
Date analysed	-			19/01/2021	2	19/01/2021	19/01/2021		19/01/2021	[NT]
Dichlorodifluoromethane	µg/L	10	Org-023	<10	2	<10	<10	0	[NT]	[NT]
Chloromethane	µg/L	10	Org-023	<10	2	<10	<10	0	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-023	<10	2	<10	<10	0	[NT]	[NT]
Bromomethane	µg/L	10	Org-023	<10	2	<10	<10	0	[NT]	[NT]
Chloroethane	µg/L	10	Org-023	<10	2	<10	<10	0	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-023	<10	2	<10	<10	0	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-023	<1	2	<1	<1	0	116	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-023	<1	2	4	4	0	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Chloroform	µg/L	1	Org-023	<1	2	4	4	0	107	[NT]
2,2-dichloropropane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-023	<1	2	<1	<1	0	109	[NT]
1,1,1-trichloroethane	µg/L	1	Org-023	<1	2	<1	<1	0	108	[NT]
1,1-dichloropropene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Cyclohexane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Benzene	µg/L	1	Org-023	<1	2	1	1	0	[NT]	[NT]
Dibromomethane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Trichloroethene	µg/L	1	Org-023	<1	2	2	2	0	115	[NT]
Bromodichloromethane	µg/L	1	Org-023	<1	2	<1	<1	0	118	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Toluene	µg/L	1	Org-023	<1	2	1	1	0	[NT]	[NT]
1,3-dichloropropane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-023	<1	2	<1	<1	0	121	[NT]
1,2-dibromoethane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-023	<1	2	4	5	22	117	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Bromoform	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
m+p-xylene	µg/L	2	Org-023	<2	2	<2	<2	0	[NT]	[NT]
Styrene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]

QUALITY CONTROL: VOCs in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
o-xylene	µg/L	1	Org-023	<1	2	2	2	0	[NT]	[NT]
1,2,3-trichloropropane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Bromobenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	102	2	102	102	0	99	[NT]
Surrogate toluene-d8	%		Org-023	102	2	101	101	0	95	[NT]
Surrogate 4-BFB	%		Org-023	102	2	102	96	6	73	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			18/01/2021	2	18/01/2021	19/01/2021		18/01/2021	[NT]
Date analysed	-			19/01/2021	2	19/01/2021	19/01/2021		19/01/2021	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	2	<10	<10	0	100	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	2	<10	<10	0	100	[NT]
Benzene	µg/L	1	Org-023	<1	2	1	1	0	115	[NT]
Toluene	µg/L	1	Org-023	<1	2	1	1	0	117	[NT]
Ethylbenzene	µg/L	1	Org-023	<1	2	<1	<1	0	89	[NT]
m+p-xylene	µg/L	2	Org-023	<2	2	<2	<2	0	90	[NT]
o-xylene	µg/L	1	Org-023	<1	2	2	2	0	90	[NT]
Naphthalene	µg/L	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	102	2	102	102	0	99	[NT]
Surrogate toluene-d8	%		Org-023	102	2	101	101	0	95	[NT]
Surrogate 4-BFB	%		Org-023	102	2	102	96	6	73	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			18/01/2021	[NT]	[NT]	[NT]	[NT]	18/01/2021	[NT]
Date analysed	-			19/01/2021	[NT]	[NT]	[NT]	[NT]	19/01/2021	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	84	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	81	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	87	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	84	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	81	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	87	[NT]
Surrogate o-Terphenyl	%		Org-020	83	[NT]	[NT]	[NT]	[NT]	124	[NT]

QUALITY CONTROL: PAHs in Water - Low Level						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			18/01/2021	[NT]	[NT]	[NT]	[NT]	18/01/2021	[NT]
Date analysed	-			18/01/2021	[NT]	[NT]	[NT]	[NT]	18/01/2021	[NT]
Naphthalene	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	80	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	78	[NT]
Fluorene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	86	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	94	[NT]
Anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	83	[NT]
Pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	86	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	86	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	83	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	92	[NT]	[NT]	[NT]	[NT]	83	[NT]

QUALITY CONTROL: HM in water - dissolved						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			18/01/2021	[NT]	[NT]	[NT]	[NT]	18/01/2021	[NT]
Date analysed	-			18/01/2021	[NT]	[NT]	[NT]	[NT]	18/01/2021	[NT]
Arsenic-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Cadmium-Dissolved	µg/L	0.1	Metals-022	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Chromium-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Copper-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]
Lead-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	95	[NT]
Mercury-Dissolved	µg/L	0.05	Metals-021	<0.05	[NT]	[NT]	[NT]	[NT]	111	[NT]
Nickel-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	98	[NT]
Zinc-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			15/01/2021	[NT]	[NT]	[NT]	[NT]	15/01/2021	[NT]
Date analysed	-			15/01/2021	[NT]	[NT]	[NT]	[NT]	15/01/2021	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	103	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	JK Environments
Attention	Anthony Barkway

Sample Login Details

Your reference	E33770PA, Annandale
Envirolab Reference	259572
Date Sample Received	15/01/2021
Date Instructions Received	15/01/2021
Date Results Expected to be Reported	22/01/2021

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	5 WATER
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	11.1
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	VOCs in water	vTRH(C6-C10)/BTEXN in Water	svTRH (C10-C40) in Water	PAHs in Water - Low Level	HM in water - dissolved	pH	Electrical Conductivity
MW2	✓	✓	✓	✓	✓	✓	✓
MW3	✓	✓	✓	✓	✓	✓	✓
WDUP1		✓	✓	✓	✓		
TBW1		✓					
TSW1		✓					

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

SAMPLE AND CHAIN OF CUSTODY FORM

TO: ENVIROLAB SERVICES PTY LTD 12 ASHLEY STREET CHATSWOOD NSW 2067 P: (02) 99106200 F: (02) 99106201 Attention: Aileen	JKE Job Number: Date Results Required: Page:	E33770PA STANDARD 1 of 1	SCA0484 KEnvironments REAR OF 115 WICKS ROAD MACQUARIE PARK, NSW 2113 P: 02-9888 5000 F: 02-9888 5001 Attention: Abarkaway@jkenvironments.com.au

Location:	Annandale	Sample Preserved in Esky on Ice
Sampler:	MMP	Tests Required

Date Sampled	Lab Ref:	Sample Number	Sample Containers	PID	Sample Description	Combo 2	Combo 3L	VOCs	pH / EC	8 Metals	PAHs	TRH/BTEX	BTEX	Hardness			
15.1.21	1	MW2	2x G1, 4xV, 1xH, 1xPVC	7.8	Water		X	X	X								
15.1.21	2	MW3	2x G1, 4xV, 1xH, 1xPVC	14.2	Water		X	X	X								
15.1.21	3	WDUP1	2x G1, 4xV, 1xH, 1xPVC	-	Water		X										
15.1.21	4	TBW1	1x V	-	Water								X				
15.1.21	5	TSW1	1x V	-	Water								X				

ENVIROLAB

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 257572
Date Received: 15/01/21
Time Received: 14:30
Received By:
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Remarks (comments/detection limits required):	Sample Containers:
All analysis PQLs to ANZECC (2000) Detection Limits Please	G1 - Amber Glass Bottle V - BTEX Vial H - HNO3 Wash PVC PVC - HDPE Plastic Bottles

Relinquished By:	Date:	Time:	Received By:	Date:
	15/1/21			

Appendix F: Report Explanatory Notes

QA/QC Definitions

The QA/QC terms used in this report are defined below. The definitions are in accordance with US EPA publication SW-846, entitled *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (1994)[14] methods and those described in *Environmental Sampling and Analysis, A Practical Guide,* (1991)[15]. The NEPM (2013) is consistent with these documents.

A. Practical Quantitation Limit (PQL), Limit of Reporting (LOR) & Estimated Quantitation Limit (EQL)

These terms all refer to the concentration above which results can be expressed with a minimum 95% confidence level. The laboratory reporting limits are generally set at ten times the standard deviation for the Method Detection Limit for each specific analyte. For the purposes of this report the LOR, PQL, and EQL are considered to be equivalent.

When assessing laboratory data it should be borne in mind that values at or near the PQL have two important limitations: *"The uncertainty of the measurement value can approach, and even equal, the reported value. Secondly, confirmation of the analytes reported is virtually impossible unless identification uses highly selective methods. These issues diminish when reliably measurable amounts of analytes are present. Accordingly, legal and regulatory actions should be limited to data at or above the reliable detection limit*" (Keith, 1991).

B. Precision

The degree to which data generated from repeated measurements differ from one another due to random errors. Precision is measured using the standard deviation or Relative Percent Difference (RPD).

C. Accuracy

Accuracy is a measure of the agreement between an experimental result and the true value of the parameter being measured (i.e. the proximity of an averaged result to the true value, where all random errors have been statistically removed). The assessment of accuracy for an analysis can be achieved through the analysis of known reference materials or assessed by the analysis of surrogates, field blanks, trip spikes and matrix spikes. Accuracy is typically reported as percent recovery.

D. Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is primarily dependent upon the design and implementation of the sampling program. Representativeness of the data is partially ensured by the avoidance of contamination, adherence to sample handing and analysis protocols and use of proper chain-of-custody and documentation procedures.

E. Completeness

Completeness is a measure of the number of valid measurements in a data set compared to the total number of measurements made and overall performance against DQIs. The following information is assessed for completeness:

- Chain-of-custody forms;
- Sample receipt form;
- All sample results reported;
- All blank data reported;

[14] US EPA, (1994). *SW-846: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods.* (US EPA SW-846)

[15] Keith., H, (1991). *Environmental Sampling and Analysis, A Practical Guide*

- All laboratory duplicate and RPDs calculated;
- All surrogate spike data reported;
- All matrix spike and lab control spike (LCS) data reported and RPDs calculated;
- Spike recovery acceptable limits reported; and
- NATA stamp on reports.

F. Comparability

Comparability is the evaluation of the similarity of conditions (e.g. sample depth, sample homogeneity) under which separate sets of data are produced. Data comparability checks include a bias assessment that may arise from the following sources:

- Collection and analysis of samples by different personnel; Use of different techniques;
- Collection and analysis by the same personnel using the same methods but at different times; and
- Spatial and temporal changes (due to environmental dynamics).

G. Blanks

The purpose of laboratory and field blanks is to check for artefacts and interferences that may arise during sampling, transport and analysis.

H. Matrix Spikes

Samples are spiked with laboratory grade standards to detect interactive effects between the sample matrix and the analytes being measured. Matrix Spikes are reported as a percent recovery and are prepared for 1 in every 20 samples. Sample batches that contain less than 20 samples may be reported with a Matrix Spike from another batch. The percent recovery is calculated using the formula below. Acceptable recovery limits are 70% to 130%.

$$\frac{\text{(Spike Sample Result – Sample Result) x 100}}{\text{Concentration of Spike Added}}$$

I. Surrogate Spikes

Samples are spiked with a known concentration of compounds that are chemically related to the analyte being investigated but unlikely to be detected in the environment. The purpose of the Surrogate Spikes is to check the accuracy of the analytical technique. Surrogate Spikes are reported as percent recovery.

J. Duplicates

Laboratory duplicates measure precision, expressed as Relative Percent Difference. Duplicates are prepared from a single field sample and analysed as two separate extraction procedures in the laboratory. The RPD is calculated using the formula where D1 is the sample concentration and D2 is the duplicate sample concentration:

$$\frac{(D1 - D2) \times 100}{\{(D1 + D2)/2\}}$$

Appendix G: Data (QA/QC) Evaluation

Data (QA/QC) Evaluation

A. INTRODUCTION

This Data (QA/QC) Evaluation forms part of the validation process for the DQOs documented in Section 6.1 of this report. Checks were made to assess the data in terms of precision, accuracy, representativeness, comparability and completeness. These 'PARCC' parameters are referred to collectively as DQIs and are defined in the Report Explanatory Notes attached in the report appendices.

1. Field and Laboratory Considerations

The quality of the analytical data produced for this project has been considered in relation to the following:

- Sample collection, storage, transport and analysis;
- Laboratory PQLs;
- Field QA/QC results; and
- Laboratory QA/QC results.

2. Field QA/QC Samples and Analysis

A summary of the field QA/QC samples collected and analysed for this investigation is provided in the following table:

Sample Type	Sample Identification	Frequency (of Sample Type)	Analysis Performed
Intra-laboratory duplicate (soil)	SDUP1 (primary sample BH3 0.2-0.3m)	Approximately 10% of primary samples	Heavy metals, TRH/BTEX and PAHs
Intra-laboratory duplicate (groundwater)	WDUP1 (primary sample MW2)	Approximately 50% of primary samples	Heavy metals, TRH/BTEX and PAHs
Trip spike (soil)	TSS1 (12/01/2021)	One for the investigation to demonstrate adequacy of preservation, storage and transport methods	BTEX
Trip blank (soil)	TBS1 (12/01/2021)	One for the investigation to demonstrate adequacy of storage and transport methods	TRH F1, BTEX
Trip spike (groundwater)	TSW1 (15/01/2021)	One for the investigation to demonstrate adequacy of preservation, storage and transport methods	BTEX
Trip blank (groundwater)	TBW1 (23/11/2020)	One for the investigation to demonstrate adequacy of storage and transport methods	BTEX

The results for the field QA/QC samples are detailed in the laboratory summary tables (Table S11 and Table G3) attached to the investigation report and are discussed in the subsequent sections of this Data (QA/QC) Evaluation report.

3. Data Assessment Criteria

JKE adopted the following criteria for assessing the field and laboratory QA/QC analytical results:

Field Duplicates

Acceptable targets for precision of field duplicates in this report will be 30% or less, consistent with NEPM (2013). RPD failures will be considered qualitatively on a case-by-case basis taking into account factors such as the concentrations used to calculate the RPD (i.e. RPD exceedance where concentrations are close to the PQL are typically not as significant as those where concentrations are reported at least five or 10 times the PQL), sample type, collection methods and the specific analyte where the RPD exceedance was reported.

Field/Trip Blanks

Acceptable targets for field blank samples in this report will be less than the PQL for organic analytes.

Trip Spikes

Acceptable targets for trip spike samples in this report will be 70% to 130%.

Laboratory QA/QC

The suitability of the laboratory data is assessed against the laboratory QA/QC criteria which is outlined in the laboratory reports. These criteria were developed and implemented in accordance with the laboratory's NATA accreditation and align with the acceptable limits for QA/QC samples as outlined in NEPM (2013) and other relevant guidelines.

A summary of the acceptable limits adopted by the primary laboratory (Envirolab) is provided below:

RPDs

- Results that are <5 times the PQL, any RPD is acceptable; and
- Results >5 times the PQL, RPDs between 0-50% are acceptable.

Laboratory Control Samples (LCS) and Matrix Spikes

- 70-130% recovery acceptable for metals and inorganics;
- 60-140% recovery acceptable for organics; and
- 10-140% recovery acceptable for VOCs.

Surrogate Spikes

- 60-140% recovery acceptable for general organics; and
- 10-140% recovery acceptable for VOCs.

Method Blanks

- All results less than PQL.

B. DATA EVALUATION

1. Sample Collection, Storage, Transport and Analysis

Samples were collected by trained field staff in accordance. Field sampling procedures were designed to be consistent with relevant guidelines, including NEPM (2013) and other guidelines made under the CLM Act 1997.

Appropriate sample preservation, handling and storage procedures were adopted. Laboratory analysis was undertaken within specified holding times in accordance with Schedule B(3) of NEPM (2013) and the laboratory NATA accredited methodologies.

JKE note that the temperature on receipt of soil samples was reported to be up to 9.1°C. JKE understand that the temperature is measured at the laboratory using an infrared temperature probe by scanning the outside of the sample container (i.e. one sample jar/container at the time of registering the samples). This procedure is not considered to be robust as there is a potential for the outside of the jar to warm to ambient temperature, or at least to increase from that of the internal contents, relatively quickly. On this basis, JKE are of the opinion that the temperatures reported on the Sample Receipts are unlikely to be reliable or representative of the overall batch. This is further supported by the trip spike recovery results (discussed further below) which reported adequate recovery in the range of 80% to 94%.

Review of the project data also indicated that:

- COC documentation was adequately maintained;
- Sample receipt advice documentation was provided for all sample batches;
- All analytical results were reported; and
- Consistent units were used to report the analysis results.

2. Laboratory PQLs

Appropriate PQLs were adopted for the analysis and all PQLs were below the SAC, with the exception of the vinyl chloride and anthracene PQL for groundwater analysis which were greater than the SAC by approximately three and 10 times respectively. In light of the VOC/PAH concentrations reported for soil and groundwater, JKE are of the opinion that this is not significant, and it does not affect the quality of the dataset as a whole or the outcome/recommendations of the assessment.

3. Field QA/QC Sample Results

Field Duplicates

The results indicated that field precision was acceptable. RPD non-conformances were reported for some analytes as discussed below:

- Elevated RPDs were reported for several PAH compounds in SDUP1/BH3 (0.2-0.3m); and
- Elevated RPDs were also reported for several heavy metals in SDUP1/BH3 (0.2-0.3m).

Soil RPD values outside the acceptable limits have been attributed to sample heterogeneity and the difficulties associated with obtaining homogenous duplicate samples of heterogeneous matrices. In addition, detectable concentrations of these analytes were relatively low and close to the laboratory PQLs which would yield higher RPD values for detected variations. As both the primary and duplicate sample results were

assessed against the SAC, the exceedances are not considered to have had an adverse impact on the data set or the decision-making process as a whole.

Field/Trip Blanks

During the investigation, one soil trip blank and one water trip blank were placed in the eskies during sampling and transported back to the laboratory. Analysis of both soil and water trip blanks revealed all results to be less than the PQLs, therefore cross contamination between samples that may have significance for data validity did not occur.

Trip Spikes

The soil trip spike results ranged from 80% to 94% and the water trip spike results ranged from 91% to 103%. The results indicated that field preservation methods were appropriate.

4. Laboratory QA/QC

The analytical methods implemented by the laboratory were performed in accordance with their NATA accreditation and were consistent with Schedule B(3) of NEPM (2013). The frequency of data reported for the laboratory QA/QC (i.e. duplicates, spikes, blanks, LCS) was considered to be acceptable for the purpose of this investigation. A review of the laboratory QA/QC data identified the following minor non-conformances:

- Report 259409 – The laboratory RPD for zinc in one sample exceeded the acceptance criteria. A triplicate result has been issued for the exceedance.

The laboratory data quality non-conformances were minor and were not considered to impact the overall accuracy of the data.

C. DATA QUALITY SUMMARY

JKE are of the opinion that the data are adequately precise, accurate, representative, comparable and complete to serve as a basis for interpretation to achieve the investigation objectives.

Non-conformances were reported for some field QA/QC samples and laboratory QA/QC analysis. These non-conformances were considered to be sporadic and minor, and were not considered to be indicative of systematic sampling or analytical errors. On this basis, these non-conformances are not considered to materially impact the report findings.

There was only one groundwater monitoring event undertaken for the investigation. On this basis there is some uncertainty around the representativeness of the groundwater data, particularly during different climatic conditions and after wet/dry periods.

Appendix H: Field Work Documents

JKEnvironments

PID FIELD CALIBRATION FORM

Client:	DEXUS		
Project:	Proposed Mixed Use Development		
Location:	122-128 & 130 Pyrmont Bridge Road; 206 Parramatta Road, ANNANDALE, NSW		
Job Number:	E33770PA		
PID			
Make: MiniRae 2000	Model: PID	Unit: Yellow	Date of last factory calibration: 19.8.20
Date of calibration: 11.01.21		Name of Calibrator: AVB	
Calibration gas: Iso-butylene		Calibration Gas Concentration:	100.0 ppm
Measured reading: 100 ppm		Error in measured reading: ± 0	ppm
Measured reading Acceptable (Yes/No):			
PID			
Make:	Model:	Unit:	Date of last factory calibration:
Date of calibration:		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration:	100.0 ppm
Measured reading: ppm		Error in measured reading: ±	ppm
Measured reading Acceptable (Yes/No):			
PID			
Make:	Model:	Unit:	Date of last factory calibration:
Date of calibration:		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration:	100.0 ppm
Measured reading: ppm		Error in measured reading: ±	ppm
Measured reading Acceptable (Yes/No):			
PID			
Make:	Model:	Unit:	Date of last factory calibration:
Date of calibration:		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration:	100.0 ppm
Measured reading: ppm		Error in measured reading: ±	ppm
Measured reading Acceptable (Yes/No):			
PID			
Make:	Model:	Unit:	Date of last factory calibration:
Date of calibration:		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration:	100.0 ppm
Measured reading: ppm		Error in measured reading: ±	ppm
Measured reading Acceptable (Yes/No):			

JKEnvironments

WATER QUALITY METER CALIBRATION FORM

Client:	DEXUS		
Project:	Proposed Mixed Use Development		
Location:	122-128 & 130 Pyrmont Bridge Road; 206 Parramatta Road, ANNANDALE, NSW		
Job Number:	E33770PA		
DISSOLVED OXYGEN			
Make: YSI 5	Model: Professional Plus		
Date of calibration: 11.01.21	Name of Calibrator: AVB		
Span value: 70% to 130%			
Measured value: 99%			
Measured reading Acceptable (Yes/No):			
pH			
Make: YSI 5	Model: Professional Plus		
Date of calibration: 11.01.21	Name of Calibrator: AVB		
Buffer 1: Theoretical pH = 7.01± 0.01	Expiry date: Dec 2024	Lot No: 355904	
Buffer 2: Theoretical pH = 4.01± 0.01	Expiry date: Nov 2021	Lot No: 354762	
Measured reading of Buffer 1: 7.01			
Measured reading of Buffer 2: 4.00			
Slope: —	Measured reading Acceptable (Yes/No):		
EC			
Make: YSI 5	Model: Professional Plus		
Date: 11.01.21	Name of Calibrator: AVB	Temperature: 26.6 °C	
Calibration solution: Conductivity Standard	Expiry date: Jul 22	Lot No: 338233	
Theoretical conductivity at temperature (see solution container): 1440 µS/cm			
Measured conductivity: 1441 µS/cm	Measured reading Acceptable (Yes/No):		
REDOX			
Make: YSI 5	Model: Professional Plus		
Date of calibration: 11.01.21	Name of Calibrator: AVB		
Calibration solution: ORP Test	Expiry date: 04/2025	Lot No: 5235	
Theoretical redox value: 240mV			
Measured redox reading: 240.1 mV	Measured reading Acceptable (Yes/No):		

JKEnvironments

Client:	DEXUS	Job No.:	E33770PA
Project:	Proposed Mixed Use Development	Well No.:	MW2
Location:	122-128 & 130 Pyrmont Bridge Road; 206 Parramatta Road, ANNANDALE, NSW	Depth (m):	5.36

WELL FINISH DETAILS

	Gatic Cover ☑	Standpipe ☐	Other (describe) ☐

WELL DEVELOPMENT DETAILS

Method:	Development Pump	SWL – Before (m):	4.81 m BGL
Date:	12.01.21	Time – Before:	4:50 pm
Undertaken By:	AVB	SWL – After (m):	NA
Total Vol. Removed:		Time – After:	
PID Reading (ppm):	0.0		

Comments:

DEVELOPMENT MEASUREMENTS

Volume Removed (L)	Temp (°C)	DO (mg/L)	EC (µS/cm)	pH	Eh (mV)
1.8	28.4	10	2017	~~7.26~~	111.3
	Pumped DRY				

Comments: Odours (YES / (NO)), NAPL/PSH (YES / (NO)), Sheen (YES / (NO)), Steady State Achieved (YES / (NO))

YSI Used: 3

Tested By:	AVB
Date Tested:	12.01.21
Checked By:	AVB
Date:	12.01.21

Remarks:

- Steady state conditions
- Difference in the pH less than 0.2 units, difference in the conductiveity less than 10% and SWL stable/not in drawdown
- Minimum 3 monitoring well volumes purged, unless well purged until it is effectively dry

JKEnvironments

Client:	DEXUS	Job No.:	E33770PA
Project:	Proposed Mixed Use Development	Well No.:	MW3
Location:	122-128 & 130 Pyrmont Bridge Road; 206 Parramatta Road, ANNANDALE, NSW	Depth (m):	3.37

WELL FINISH DETAILS

	Gatic Cover ☑	Standpipe ☐	Other (describe) ☐

WELL DEVELOPMENT DETAILS

Method:	Development Pump	SWL – Before (m):	DRY
Date:	12.01.21	Time – Before:	NA
Undertaken By:	AVB	SWL – After (m):	NA
Total Vol. Removed:	N/A	Time – After:	NA
PID Reading (ppm):	0.7		

Comments:

DEVELOPMENT MEASUREMENTS

Volume Removed (L)	Temp (°C)	DO (mg/L)	EC (µS/cm)	pH	Eh (mV)
	DRY				

Comments: Odours (YES / NO), NAPL/PSH (YES / NO), Sheen (YES / NO), Steady State Achieved (YES / NO)

YSI Used:

Tested By:	AVB
Date Tested:	12.01.21
Checked By:	AVB
Date:	12.01.21

Remarks:

- Steady state conditions
- Difference in the pH less than 0.2 units, difference in the conductiveity less than 10% and SWL stable/not in drawdown
- Minimum 3 monitoring well volumes purged, unless well purged until it is effectively dry

JKEnvironments

Client:	DEXUS	Job No.:	E33770PA
Project:	Proposed Mixed Use Development	Well No.:	MW2
Location:	122-128 & 130 Pyrmont Bridge Road; 206 Parramatta Road, ANNANDALE, NSW	Depth (m):	5.36

WELL FINISH

✓	Gatic Cover		Standpipe		Other (describe)

WELL PURGE DETAILS:

Method:	Peri Pump	SWL – Before:	2.12
Date:	15/1/21	Time – Before:	12:20
Undertaken By:	MP	Total Vol Removed:	
Pump Program No:		PID (ppm):	7.8

PURGING / SAMPLING MEASUREMENTS

Time (min)	SWL (m)	Vol (L)	Notes	Temp (°C)	DO (mg/L)	EC (µS/cm)	pH	Eh (mV)
3	2.32	1		23.5	3.0	654	6.95	94.4
5	2.61	2		23.4	3.3	642	6.71	89.4
4	2.96	3		23.5	3.9	632	6.44	79.0
4	3.24	4		23.0	4.0	629	6.33	71.8
5	3.8	5		23.8	3.9	627	6.24	64.1
4	3.7	6		23.7	4.0	621	6.19	61.0
4	3.98	7		23.8	3.9	614	6.12	56.5
4	4.30	8		23.7	3.9	606	6.05	52.5
4	4.65	9		23.7	4.0	606	6.05	52.1

Comments: Odours (YES / NO), NAPL/PSH (YES / NO), Sheen (YES / NO), Steady State Achieved (YES / NO)

Sampling Containers Used: 2 x glass amber, 4 x BTEX vials, 1 x HNO3 plastic, 1 x H2SO4 plastic, 1 x unpreserved plastic

YSI used: 4

Tested By: Matthew Paton	**Remarks:**
Date Tested: 15/1/21	- Steady state conditions
Checked By: AVB	- difference in the pH less than 0.2 units, difference in conductivity less than 10% 10% and SWL stable/not in drawdown
Date: 18/01/21	

JKEnvironments

Client:	DEXUS	Job No.:	E33770PA
Project:	Proposed Mixed Use Development	Well No.:	MW3
Location:	122-128 & 130 Pyrmont Bridge Road; 206 Parramatta Road, ANNANDALE, NSW	Depth (m):	3.38

WELL FINISH

x	Gatic Cover		Standpipe		Other (describe)

WELL PURGE DETAILS:

Method:	Peri Pump	SWL – Before:	2.35
Date:	15/1/21	Time – Before:	1145
Undertaken By:	MP	Total Vol Removed:	
Pump Program No:		PID (ppm):	4.2

PURGING / SAMPLING MEASUREMENTS

Time (min)	SWL (m)	Vol (L)	Notes	Temp (°C)	DO (mg/L)	EC (µS/cm)	pH	Eh (mV)
3	2.49	1		22.2	4.0	699	6.97	116.0
4	2.62	2		21.9	4.1	668	6.80	103.4
5	2.80	3		21.8	4.2	682	6.64	96.3

Comments: Odours (YES / (NO)), NAPL/PSH (YES / (NO)), Sheen (YES / (NO)), Steady State Achieved (YES / (NO))

Sampling Containers Used: 2 x glass amber, 4 x BTEX vials, \ x HNO3 plastic, 0 x H2SO4 plastic, \ x unpreserved plastic

YSI used: 4

Tested By: Matthew Paton	**Remarks:**
Date Tested: 15/1/21	- Steady state conditions
Checked By: AVB	- difference in the pH less than 0.2 units, difference in conductivity less than 10% 10% and SWL stable/not in drawdown
Date: 18/01/21	

Appendix I: Guidelines and Reference Documents

Acid Sulfate Soils Management Advisory Committee (ASSMAC), (1998). Acid Sulfate Soils Manual

Australian and New Zealand Environment Conservation Council (ANZECC), (2000). Australian and New Zealand Guidelines for Fresh and Marine Water Quality

Canadian Council of Ministers of the Environment, (1999). Canadian soil quality guidelines for the protection of environmental and human health: Benzo(a)Pyrene (1997)

CRC Care, (2011). Technical Report No. 10 – Health screening levels for hydrocarbons in soil and groundwater Part 1: Technical development document

Contaminated Land Management Act 1997 (NSW)

Department of Land and Water Conservation, (1997). 1:25,000 Acid Sulfate Soil Risk Map Series

Managing Land Contamination, Planning Guidelines SEPP55 – Remediation of Land (1998)

National Health and Medical Research Council (NHMRC), (2018). National Water Quality Management Strategy, Australian Drinking Water Guidelines 2011

NSW Department of Environment and Conservation, (2007). Guidelines for the Assessment and Management of Groundwater Contamination

NSW EPA, (1995). Contaminated Sites Sampling Design Guidelines

NSW EPA, (2014). Waste Classification Guidelines - Part 1: Classifying Waste

NSW EPA, (2015). Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997

NSW EPA, (2017). Guidelines for the NSW Site Auditor Scheme, 3rd Edition

NSW EPA, (2020). Consultants Reporting on Contaminated Land, Contaminated Land Guidelines

National Environment Protection Council (NEPC), (2013). National Environmental Protection (Assessment of Site Contamination) Measure 1999 as amended (2013)

Olszowy, H., Torr, P., and Imray, P., (1995). Trace Element Concentrations in Soils from Rural and Urban Areas of Australia. Contaminated Sites Monograph Series No. 4. Department of Human Services and Health, Environment Protection Agency, and South Australian Health Commission

Protection of the Environment Operations Act 1997 (NSW)

State Environmental Planning Policy No.55 – Remediation of Land 1998 (NSW)

World Health Organisation (WHO), (2008). Petroleum Products in Drinking-water, Background document for the development of WHO Guidelines for Drinking Water Quality

Western Australia Department of Health, (2009). Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia