



ENVIRONMENTAL INVESTIGATION SERVICES

# REPORT

TO

**ELDESO GROUP PTY LTD**

ON

**STAGE 1 ENVIRONMENTAL SITE ASSESSMENT**

FOR

**PROPOSED MIXED USE DEVELOPMENT**

AT

**215-235 O'RIORDAN STREET AND 1-3 EWAN STREET,  
MASCOT, NSW**

**12 DECEMBER 2018**

**REF: E31721KRrpt**



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## **ABBREVIATIONS**

Asbestos Fines/Fibrous Asbestos	<b>AF/FA</b>
Ambient Background Concentrations	<b>ABC</b>
Added Contaminant Limits	<b>ACL</b>
Asbestos Containing Material	<b>ACM</b>
Australian Drinking Water Guidelines	<b>ADWG</b>
Area of Environmental Concern	<b>AEC</b>
Australian Height Datum	<b>AHD</b>
Acid Sulfate Soil	<b>ASS</b>
Above-Ground Storage Tank	<b>AST</b>
Below Ground Level	<b>BGL</b>
Benzo(a)pyrene Toxicity Equivalent Factor	<b>BaP TEQ</b>
Bureau of Meteorology	<b>BOM</b>
Benzene, Toluene, Ethylbenzene, Xylene	<b>BTEX</b>
Cation Exchange Capacity	<b>CEC</b>
Contaminated Land Management	<b>CLM</b>
Contaminant(s) of Potential Concern	<b>CoPC</b>
Chain of Custody	<b>COC</b>
Conceptual Site Model	<b>CSM</b>
Development Application	<b>DA</b>
Data Quality Indicator	<b>DQI</b>
Data Quality Objective	<b>DQO</b>
Detailed Site Investigation	<b>DSI</b>
Ecological Investigation Level	<b>EIL</b>
Environmental Investigation Services	<b>EIS</b>
Ecological Screening Level	<b>ESL</b>
Environmental Management Plan	<b>EMP</b>
Excavated Natural Material	<b>ENM</b>
Environment Protection Authority	<b>EPA</b>
Environmental Site Assessment	<b>ESA</b>
Ecological Screening Level	<b>ESL</b>
Fibre Cement Fragment(s)	<b>FCF</b>
General Approval of Immobilisation	<b>GAI</b>
Health Investigation Level	<b>HILs</b>
Hardness Modified Trigger Values	<b>HMTV</b>
Health Screening Level	<b>HSLs</b>
International Organisation of Standardisation	<b>ISO</b>
Lab Control Spike	<b>LCS</b>
Light Non-Aqueous Phase Liquid	<b>LNAPL</b>
Map Grid of Australia	<b>MGA</b>
National Association of Testing Authorities	<b>NATA</b>
National Environmental Protection Measure	<b>NEPM</b>
Organochlorine Pesticides	<b>OCP</b>
Organophosphate Pesticides	<b>OPP</b>
Polycyclic Aromatic Hydrocarbons	<b>PAH</b>
Potential ASS	<b>PASS</b>
Polychlorinated Biphenyls	<b>PCBs</b>

## ABBREVIATIONS

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
Standard Sampling Procedure	SSP
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	$\mu\text{S}/\text{cm}$
Micrograms per Litre	$\mu\text{g}/\text{L}$
Milligrams per Kilogram	mg/kg
Milligrams per Litre	mg/L
Parts Per Million	ppm
Percentage	%

## **1 INTRODUCTION**

Eldeso Group Pty Ltd (‘the client’) commissioned Environmental Investigation Services (EIS)<sup>1</sup> to undertake a Stage 1 Environmental Site Assessment (ESA) for the proposed mixed use development at 215-235 O’Riordan Street and 1-3 Ewan Street, Mascot, NSW (‘the site’). The site location is shown on Figure 1 and the assessment was confined to the site boundaries as shown on Figure 2.

This report has been prepared to support the lodgement of a Development Application (DA) with Bayside Council.

A geotechnical investigation was undertaken in conjunction with this assessment by JK Geotechnics<sup>2</sup>. The results of the investigation are presented in a separate report (Ref. 31721VJrpt, dated November 2018<sup>3</sup>). This report should be read in conjunction with the JK report.

### **1.1 Proposed Development Details**

The proposed development includes:

- Demolition of the existing warehouse buildings, pavements and other structures on site.
- Construction of commercial/hotel building with up to 13 levels over three basement levels. From the basement level 3 floor plan provided, the proposed basement car park extends to the common boundary along the west side and is setback between 3m and 9m on the south, east and north sides. The basement level 3 bulk excavation level is not shown on the drawings; however, we anticipate an approximate 9.5m deep excavation to be required.
- The site is near the first reserve and over the second reserve of the Sydney Airport Link (APL) tunnel and special considerations must be made during the design and construction stage to satisfy the Transport for NSW (TfNSW) requirements, as set out in the following:
  - TfNSW document titled ‘*Development Near Rail Tunnels*’ (Ref: T HR CI 12051 ST, Version 1.0, dated 14 November 2016);
  - TfNSW Technical Note – TN 026: 2017 (Ref: Subject: Amendments to T HR CI 12051 ST ‘*Development Near Rail Tunnels*’, Version 1.0); and,
  - *Airport Line Tunnel Protection Guidelines – Guidelines for Development Within the Vicinity of the Airport Line* (Ref: Part A: Planning and Design Matters, Part B: Technical Matters, Rail Access Corporation, Rev A, August 2000).

### **1.2 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, and make a preliminary assessment of the soil contamination conditions. The assessment objectives were to:

- Provide an appraisal of the past site use(s) based on a review of historical records;

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<sup>1</sup> Environmental consulting division of Jeffery & Katauskas Pty Ltd (J&K)

<sup>2</sup> Geotechnical consulting division of J&K

<sup>3</sup> Referred to as JK Geotechnics (2018 Report)

- 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 contamination conditions via implementation of a preliminary sampling and analysis program;
- Prepare a conceptual site model (CSM);
- Assess the potential risks posed by contamination to the receptors identified in the CSM (Tier 1 assessment);
- Provide a preliminary waste classification for off-site disposal of soil;
- Assess whether the site is suitable or can be made suitable for the proposed development (from a contamination viewpoint);
- Assess the site for Acid Sulfate Soil (ASS) risk; and
- Assess whether further intrusive investigation and/or remediation is required.

### **1.3 Scope of Work**

The assessment was undertaken generally in accordance with an EIS proposal (Ref: EP47251KR) of 28 May 2018 and written acceptance from the client of 25 July 2018. The scope of work included the following:

- Review of site information, including background and site history information from a Lotsearch Pty Ltd *Environmental Risk and Planning Report* and other sources;
- Preparation of a CSM;
- Design and implementation of a sampling, analysis and quality plan (SAQP);
- Interpretation of the analytical results against the adopted Site Assessment Criteria (SAC);
- Data Quality Assessment; and
- Preparation of a report including a Tier 1 risk assessment.

The scope of work was undertaken with reference to the National Environmental Protection (Assessment of Site Contamination) Measure 1999 as amended (2013)<sup>4</sup>, other guidelines made under or with regards to the Contaminated Land Management Act (1997)<sup>5</sup> and State Environmental Planning Policy No.55 – Remediation of Land (1998)<sup>6</sup>. A list of reference documents/guidelines is included in the appendices.

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<sup>4</sup> National Environment Protection Council (NEPC), (2013). *National Environmental Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)*. (referred to as NEPM 2013)

<sup>5</sup> Contaminated Land Management Act 1997 (NSW) (referred to as CLM Act 1997)

<sup>6</sup> *State Environmental Planning Policy No. 55 – Remediation of Land 1998* (NSW) (referred to as SEPP55)

## **2 SITE INFORMATION**

### **2.1 Site Identification**

Table 2-1: Site Identification

Current Site Owner:	Denco Pty Limited, Monash Developments Pty Limited, Trend Lighting Co Pty Limited, Casteel Pty Limited and The Owners – Strata Plan No. 48926 (being Lots 1 to 6 SP 48926).
Site Address:	215-235 O’Riordan Street and 1-3 Ewan Street, Mascot, NSW
Lot & Deposited Plan:	Lots 1 to 3 in DP9142, Lots 11 and 12 in DP9142, Lot CP in SP48926 and Lot B in DP407002.
Current Land Use:	Commercial/industrial complex and carpark.
Proposed Land Use:	Mixed use – hotel and minor commercial.
Local Government Authority:	Bayside Council
Current Zoning:	B5 – Business Development
Site Area (m <sup>2</sup> ):	Approximately 7,600
RL (AHD in m) (approx.):	5 - 6
Geographical Location (decimal degrees) (approx.):	Latitude: -33.929151 Longitude: 151.186606
Site Location Plan:	Figure 1
Sample Location Plan:	Figure 2

### **2.2 Site Location and Regional Setting**

The site is located in a predominantly commercial/industrial and minor residential area of Mascot. The site is bounded by King Street to the north, O’Riordan Street to the east, Ewan Street to the south and a large carparking facility to the west. The site is located approximately 940m to the east of North Pond and approximately 1.1km to the south-east of Alexandra Canal.

### **2.3 Topography**

The site is located in a relatively flat area near to the Sydney Airport, north of Botany Bay.

## **2.4 Site Inspection**

A walkover inspection of the site was undertaken by EIS on 2 November 2018. The inspection was limited to accessible areas of the site and immediate surrounds. An internal inspection of buildings/structures was not undertaken. Selected site photographs obtained during the inspection are attached in the appendices.

A summary of the other inspection findings are 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 majority of the site was occupied by a large building and other smaller buildings and associated carparking areas that were used by various commercial/industrial entities. These businesses included airport valet parking, airport parking and car storage, international delivery service and access baggage service, clothes fashion and marketing companies, travel company, health and fitness facility, art gallery and various car rental companies. The south-western section of the site included an asphalt paved carpark.

### **2.4.2 Buildings, Structures and Roads**

The northern end of the site contained a two-storey brick building with a flat metal roof and a concrete paved car parking area. To the south of it was a vehicle parking area that was surfaced with asphaltic concrete (AC) pavement. There were also three shade cloths on metal poles covering most of the parking area. To the south of this parking area was a two-storey brick & metal warehouse with a metal roof.

The central section of the site contained a car park in the eastern half and a large two to three-storey brick warehouse with a metal roof on its western half. The southern end of this building appeared to be vacant. The car park was surfaced with a reinforced concrete pavement. Along the eastern boundary there was a low height (approximately 0.5m) brick retaining wall supporting the site.

The south-eastern section of the site was occupied by a two-storey brick warehouse with a metal roof.

The south-western section of the site was currently used as a vehicle parking area and was surfaced with AC pavement. There were also three shade cloths on metal poles. There were timber soldier pile walls retaining the site on the western and northern sides near the boundary.

### **2.4.3 Boundary Conditions, Soil Stability and Erosion**

Access to the site was via O’Riordan Street to the east, King Street to the north and Ewan Street to the south. The site was partially or fully fenced predominantly in the northern, eastern and southern boundaries.

No exposed soils were observed.



#### 2.4.4 Visible or Olfactory Indicators of Contamination

No staining or odours were noted on the site surfaces. However, the upper section of the building located in the south-eastern section of the site appeared to have been burnt in the past and charred internal surfaces were visible.

No above ground storage tanks (ASTs) or indications of underground storage tanks (USTs) were observed.

These buildings and structures may contain potential asbestos containing material (ACM).

#### 2.4.5 Presence of Drums/Chemicals, Waste and Fill Material

Minor cleaning agents/solutions and vehicle cleaning solutions may be kept on site. Waste bins were observed in the eastern and northern sections of the site. Minor paper and other litter were observed in the eastern section of the site.

Some shipping containers were observed in the carpark in the western section of the site. The contents or use of which were unknown.

The site may have been filled.

#### 2.4.6 Drainage and Services

Stormwater or drainage pits were observed in the eastern section of the site. Surface water flows and run off are likely to travel into these pits and drain off along O’Riordan Street, King Street and Ewan Street.

#### 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.

#### 2.4.8 Landscaped Areas and Visible Signs of Plant Stress

No landscaped areas or vegetation were observed on site.

### 2.5 Surrounding Land Use

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

- North – King Street and a hotel, then other commercial/industrial properties beyond.
- South – Ewan Street, a carwash café and a pies wholesale and retail company and Sarah Street beyond.

- East – O’Riordan Street, mixed-use buildings which include residential apartments on the upper floors and various retail and other businesses on the ground floors i.e. tax returns company, a small supermarket, a moving company and some restaurants, high street and a block of land undergoing construction works, then residential properties beyond. The underground APL tunnel is also located to the east of the site.
- West – A large carparking facility, then commercial/industrial property, the railway line, Qantas Drive and Sydney Airport beyond.

EIS are of the opinion that the adjacent car wash to the south of the site is a potential contamination source as the car wash is located within 15m of the site boundary.

## **2.6 Section 10.7 Planning Certificate**

A selection of the s10.7 (2 and 5) planning certificates were reviewed for the assessment. Copies of the certificates are attached in the appendices. A summary of the relevant information is outlined below:

- The site is not located in an area of ecological significance;
- The site 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 site is not the subject of a Site Audit Statement (SAS);
- The site is located within an acid sulfate soil (ASS) risk area;
- The site is not located in a heritage conservation area;
- The land is affected by Airport Line Tunnel Protection Guidelines – Zone of Influence;
- The Clause 6.1 (Acid Sulfate Soils), Clause 6.8 (Airspace Operations) and Clause 6.9 (Development in areas subject to aircraft noise) of the Botany Bay Local Environmental Plan 2013 applies to the land;
- Botany Bay Development Control Plan 2013 – provisions of Part 3K – contamination applies to the land;
- A flood study may be required to be carried out for the site; and
- The land is affected by a Tree Preservation Order.

### **3 GEOLOGY AND HYDROGEOLOGY**

#### **3.1 Regional Geology**

Regional geological information presented in the Lotsearch report (attached in the appendices) indicated that the site is underlain by Quaternary aged deposits of medium to fine-grained marine sands with podsols.

#### **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)<sup>7</sup> indicated that the eastern end of the site is located in an area classed as having a ‘low probability’ of ASS occurrence at depths of greater than 3m below ground level (mBGL).

ASS information presented in the Lotsearch report (attached in the appendices) indicated that the site is located within a Class 2 area. Works in Class 2 areas that could pose an environmental risk in terms of ASS include all works below existing ground level and works by which the water table is likely to be lowered.

#### **3.3 Hydrogeology**

Hydrogeological information presented in the Lotsearch report (attached in the appendices) indicated that the regional aquifer on-site and in the areas immediately surrounding the site includes porous, extensive aquifers of high productivity. There were a total of 307 registered bores within the report buffer of 2,000m. In summary:

- The nearest registered bore was located approximately 1m from the site. This was utilised for monitoring purposes;
- The majority of the bores were registered for monitoring purposes;
- There were four nearby bores (i.e. within 500m) registered for domestic or irrigation uses; and
- The drillers log information from the closest registered bores typically identified fill and/or silty sand, clayey sand, sand, peaty clay, sandy clay, silty sand, loam, loam sandy, peaty sand and clay soils to depths of >3.3 to >18.3m. Standing water levels (SWLs) in the bores ranged from 0.9mBGL to 4.0mBGL.

The information reviewed for this assessment indicated that the subsurface conditions at the site are expected to consist of moderate to high permeability (aeolian) soils overlying relatively deep bedrock. Abstraction and use of groundwater at the site or in the immediate surrounds may be viable under these conditions, however the use of groundwater is not proposed as part of the development. There were a few bores located in close proximity of the site, used for domestic or irrigation purposes, and were potentially located up-gradient of the site. There is a reticulated water supply in the area and use of groundwater as a drinking water resource is unlikely.

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<sup>7</sup> Department of Land and Water Conservation, (1997). *1:25,000 Acid Sulfate Soil Risk Map (Series 9130N3, Ed 2)*

Considering the local topography and surrounding land features, EIS would generally expect groundwater to flow towards the west or north-west.

### **3.4 Groundwater Management/Embargo Zone**

The site is located within the Botany Sands Beds Groundwater Embargo Area declared by the Department of Natural Resources on 22 August 2003<sup>8</sup>. The site is located in Groundwater Management Zone 2. Extraction of groundwater for domestic purposes is banned in this area due to regional groundwater contamination.

### **3.5 Receiving Water Bodies**

Surface water bodies were not identified in the immediate vicinity of the site. The closest surface water body is North Pond located approximately 940m to the west of the site. Alexandra Canal is also located to the north-west, at approximately 1.1km from the site. These are down-gradient from site and are considered to be potential receptors.

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<sup>8</sup> Embargo Area was gazetted under the *Water Act 1912* by the NSW Department of Natural Resources on 22 August 2003

## 4 SITE HISTORY INFORMATION

### 4.1 Review of Historical Aerial Photographs and Maps

Historical aerial photographs and maps were included in the Lotsearch report (attached in the appendices). EIS has reviewed the photographs and maps and summarised relevant information in the following table:

Table 4-1: Summary of Historical Aerial Photographs

Year	Details
1917 (Historical Map)	Some buildings were located in the northern section of the site.  A racecourse was located to the south-east of the site.
1936 (Historical Map)	Much of the site appeared to have been built.  A railway line appeared to have been built to the south of the site.
1943	Some buildings were located in the northern and southern ends of the site. The site potentially had a combination of residential and commercial/industrial landuse. The central section of the site appeared to be vacant or may have been a storage yard.  The surrounds appeared similar to the site and were most likely used for residential and farming purposes.
1951	There were no significant changes noted at the site.  Some large buildings appeared to have been built to the north-west, north-east, south-east and south-west of the site.
1955	Some additional buildings appeared to have been built in the south-western section of the site. Some stockpiles and other material appeared to be present in the central section of the site.  Some large warehouse type of buildings had been developed to the west, north-west, north, east, south and south-west of the site. Some of these buildings replaced the residential properties in the site surrounds.
1961	Buildings in the northern end and southern end had been demolished and large buildings had been constructed in their place.  The farmland in the site surrounds was no longer visible. A number of large warehouse type of buildings had been developed in the site surrounds.
1965	Some of the buildings in the southern section of the site appeared to have been demolished.

Year	Details
	Additional large warehouse buildings had been built or further developments to the existing warehouses had occurred in the site surrounds.
1970	<p>The northern most end of the site appeared to have been redeveloped.</p> <p>The site surrounds to the west, north-west, north, north-east and east were occupied by large warehouses and other buildings. Some of the areas to the east and west and the areas to the south-east, south and south-west appeared to comprise a combination of commercial/industrial and residential properties.</p>
1976	<p>Some of the buildings in the southern and south-western section of the site had been demolished and a large rectangular building had been built in the central section of the site. The area to the east of it appeared to be concrete paved. The area to the west of this building appeared to be used for carparking.</p> <p>Some of the large buildings located to the north-west of the site appeared to have been demolished. Further developments appeared to have occurred to the south and south-west of the site, replacing the residential properties in these areas. Some developments appeared to have occurred to the east as well.</p>
1982	<p>The south-western section of the site appeared to have been redeveloped and potentially concrete paved and predominantly used for carparking. A building was also located in the south-western end. The central-eastern section of the site appeared to be used for carparking as well.</p> <p>A large building complex that had been located to the north-east had been demolished. Further developments had occurred to the immediate west, further north, east and to the south-east of the site.</p>
1991	<p>Some redevelopment appeared to have occurred in the northern section of the site.</p> <p>Former buildings appeared to have been demolished and the areas redeveloped to the north-west and north-east of the site. Redevelopments were also noted to the south of the site.</p>
2000	<p>There were no significant changes noted at the site.</p> <p>A large building complex to the west of the site had been demolished and much of it was redeveloped into a carpark. Further redevelopments were noted to the north, north-east and south-east of the site. Some of the buildings and structures to the east of the site appeared to have been demolished.</p>
2009	<p>A green shade cloth appeared to be covering the carparking area, in the south-western section of the site.</p>

Year	Details
	Most of the buildings and structures located to the immediate west of the site had been demolished. The area to the east appeared to have been redeveloped. Some buildings to the south-east appeared to have been demolished.
2016	<p>Black shade cloths had been placed in between buildings or adjacent of buildings in the northern and south-western sections of the site.</p> <p>Some of the building complexes to the north and north-west of the site had been demolished and disturbed ground was noted in these areas. Some redevelopments had occurred to the north, north-east, east and south-east of the site.</p>

#### 4.2 Review of Historical Land Title Records

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

- The northern section of the site was occupied by various private individuals between 1918 to 1985, and by various business entities from 1957 to 2014, after which it was acquired by Denco Pty Ltd, Monash Developments Pty Ltd, Trend Lighting Co. Pty Limited and Casteel Pty Ltd;
- The central section of the site was occupied by various private individuals between 1918 and 1971. It was potentially a motel in 1971. It was under ownership of various business entities from 1971 to 1995, after which it was acquired by The Owners – Strata Plan No. 48926;
- The southern end and part of the south-western section of the site was occupied by various private individuals between 1918 and 1978, and by various business entities from 1965 to 2014, after which it was acquired by Denco Pty Ltd, Monash Developments Pty Ltd, Trend Lighting Co. Pty Limited and Casteel Pty Ltd. This section of the site appeared to have been leased to Diamond Finish Car Wash Pty Limited (ground floor) from 2011 onwards; and
- The south-western end of the site was occupied by a combination of various private individuals and business entities from 1880 to 2016, after which it was acquired by Denco Pty Ltd, Monash Developments Pty Ltd, Trend Lighting Co. Pty Limited and Casteel Pty Ltd.

The land has been used for commercial/industrial purposes, and part of the site is also occupied by a car wash company. Some of the businesses were listed as car rental companies, which may have wash bays that could result in car wash run-off. These activities could result in contamination at the site.

#### 4.3 Review of Council Records

Council records were sourced under an informal access to information request and were reviewed for the assessment. The council records indicate the following:

- The 235 O’Riordan Street, Mascot property (southern end of the site) was used as a rental car agency after June 1970. The premise was then potentially used as a parking area and car wash after October 1978;

- The change of use to a rental car office, installation of new fascia panels to the building frontage, erection of an awning structure, development of entry gates and installation of a carport was done at 217 O’Riordan Street, Mascot (in the northern section of the site) after October 1998 (Ref: DA 99/0151);
- An illuminated sign was installed to the fascia at 217 O’Riordan Street, Mascot (in the northern section of the site) after April 1999 (Ref: DA 99/0558); and
- An existing timber framed dwelling was demolished at 3 Ewan Street, Mascot (south-western end of the site) after May 2016 (Ref: DA 16/050).

#### 4.4 SafeWork NSW Records

SafeWork NSW records were reviewed for the assessment. Copies of relevant documents are attached in the appendices. The records make reference to a Former Quartleys Service Station and Kay Rent a Car.

A summary of the relevant information is provided in the following table:

Table 4-2: Summary of SafeWork NSW Records

Date	Record Number	License Details
2/3/64	Not Known	A 3,000 gallon capacity UST had been installed at the then Quartleys Service Station at the corner of King Street and O’Riordan Street, Mascot. The contents of it was not known.
5/7/73	B8012(4)	Five USTs were located at the then Quartleys Service Station at the corner of King Street and O’Riordan Street (potentially 215 O’Riordan Street) Mascot. Four of these ranged in capacity from 1000 gallons to 6000 gallons and stored mineral spirit. The fifth UST was of 1000 gallon capacity and stored mineral oil.
17/1/74	B. 8012(4)	Five USTs and one AST (cylinder) were located at the then Quartleys Service Station at the corner of King Street and O’Riordan Street, Mascot. Four of the USTs ranged in capacity from 1000 gallons to 6000 gallons and stored mineral spirit. The fifth UST was of 1000 gallon capacity and stored mineral oil. The cylinder was of 40 water gallon capacity and was used to store Class 5A dangerous good item.
4/12/78	8012-4	Three USTs of 1000 gallon capacity had been abandoned by the method of water and rust inhibitor, at the then Quartleys Service Station at the corner of King Street and O’Riordan Street, Mascot.
7/12/78	008012	Two USTs of 26,673L and 14,774L capacity each were located at the Kay rental car depot located at the corner of King Street and O’Riordan Street, Mascot.



Date	Record Number	License Details
15/12/78	Not Known	Two USTS of 1000 gallon capacity had been abandoned by the method of water and rust inhibitor, at the then Quartleys Service Station at the corner of King Street and O’Riordan Street, Mascot.

Upon closer inspection of the sketch plan attached to the records it was noted that the former Quartleys Service Station was potentially located at the current (2018) 330 King Street, Mascot property, on the opposite side of O’Riordan Street from the site. The Kay Rent a Car depot has also been assumed to have had occupied the Quartleys Service Station property because the name of the previous occupier on the Kay Rent a Car Dangerous Goods Licence was ‘Buki J.Y’. The name of the occupier of Quartleys Service Station recorded on the 1974 Dangerous Goods Licence was ‘John Yehuda Buki’.

#### 4.5 NSW EPA Records

The Lotsearch report (attached in the appendices) included information from the NSW EPA databases for the following:

- 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)<sup>9</sup>; and
- Licensed activities under the Protection of the Environment Operations Act (1997)<sup>10</sup>.

The search included the site area and surrounding areas in the report buffer of 1,000m. The search indicated the following:

- There were no records for the site under Section 58 of the CLM Act 1997. There were records for three properties in the report buffer under Section 58 of the CLM Act 1997. One of these was located to the immediate west of the site known as Former Mascot Galvanising (336-348 King Street, Mascot). The EPA website indicated that there is a current remediation order for 336-348 King Street, Mascot. The remediation relates to lead, chromium and zinc in the groundwater and soil. The groundwater at the 336-348 King Street property has a low pH (acidic);
- The site has not been notified with regards to the Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997. There were 11 notified properties in the report buffer. One of these was located to the immediate west of the site known as Former Mascot Galvanising. Three other properties located within 500m of the site were a Former Zinc Smelter and Paint Manufacturing Facility, other industrial property and Linear Park Landfill. The other industrial property was potentially located up-gradient of the site;
- There were no records for licenced activities at the site under the POEO Act 1997. Current and historical licenses were identified for several properties within the report buffer, including the application of herbicides along waterways, railway systems activities, generation of electrical

<sup>9</sup> 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)

<sup>10</sup> Protection of the Environment Operations Act 1997 (NSW) (referred to as POEO Act 1997)

power from gas, hazardous, industrial or Group A waste generation or storage, concrete works, non-thermal treatment of hazardous and other waste, waste storage – hazardous, restricted solid, liquid, clinical and related waste and asbestos waste and scrap metal processing. The majority of these activities are considered unlikely to pose a contamination risk to the site as the properties are either located down-gradient or not in close proximity of the site. However the railway systems activities (Sydney Trains and Australian Rail Track Corporation Limited), hazardous, industrial or Group A waste generation or storage (Sydney Airport, Qantas Jet Base and Industrial Galvanizers Corporation Pty Ltd at 342 King Street, Mascot, which is to the immediate west of the site) could pose a likely contamination risk to the site as these properties are either located in close proximity of the site and/or located up-gradient of the site.

It is also noted that the site is located approximately 200m north of the EPA per and poly fluoroalkyl substances (PFAS) investigation program at Botany Bay area and Georges River.

#### **4.6 Historical Business Directory and Additional Lotsearch Information**

Historical business records for the site and surrounding areas in the report buffer were included in the Lotsearch report (attached in the appendices). The records indicated the following:

- Various commercial/industrial businesses were registered at the site between the 1960s and the 1990s. These included industrial sprayer, spray painter, enameller, carriers and cartage contractor, garden and ornamental furniture, canvas goods, tents/tarpaulins, horse/cow rug, canvas and awning blinds, holland blinds, aluminium awnings, fly screens, doors/windows and camping equipment manufacturer/wholesaler, prefabricated buildings manufacturer/distributor, builders supplier and builder and contractor, sign manufacturer, screen process printer and signwriter and advertising display, boat, launch and yacht sales service, timber merchant, wallboard merchant, motor hire service, air charter service, container transport service, air cargo agents and bond and/or free store, customs agents, customs by-law consultant, parcel delivery specialist and customs-tariff concession consultant, baggage agent, shipping and/or forwarding agent, freight forwarder and storage and distribution centre, furniture removalist and/or storage, and courier service;
- Other notable commercial/industrial businesses located within 150m of the site included galvanising and tinning, pipes and pipe fitting manufacturer, tanner and footwear manufacturers/suppliers, paint, varnish and stain manufacturer, general manufacturing/mechanical engineers and irrigation systems and equipment manufacturer and/or distributor, pressure vessel manufacturer, sheet metal workers, steel fabricator, electrical meter box and surrounds, electrical switchboard, heavy chain, chain sprocket, gear cutter, and pneumatic tools manufacturer/distributor/importer, electric and/or oxy welder, french polisher, air equipment, air conditioning units and machinery and ventilating equipment manufacturer/distributor, pump equipment manufacturer/distributor, motor spare parts manufacturer/distributor, liquid fuel room heaters and fuel and liquid hot water systems manufacturer/distributor, industrial sprayer, manufacturing chemist and dye and bleach manufacturer/importer/distributor, adhesive, polish, wax and insulating material manufacturer/distributor, plastic manufacturer/moulder and electric sign

manufacturer/installer, fluorescent lighting equipment and electric light fittings (shades, standard brackets etc) manufacturer/distributor, well drilling equipment manufacturer, earth moving equipment manufacturer/importer/distributor, trailer and semi-trailer spare parts manufacturer/distributor, winch manufacturer/distributor, tobacco processor and cigarette manufacturer/wholesaler, marine engines importer/distributor/manufacturer, carbon paper manufacturer, electrodes (welders), steel merchants – bright bars and sections and roofing material manufacturer/distributor, plastic signs letter manufacturer, display fittings manufacturer/supplier, tyre and tube manufacturer/distributor, hospital supplies and equipment manufacturers/distributors, material handling equipment and conveyors and/or conveying equipment manufacturer/importer/distributor, icing sugar manufacturer, lithographic and letterpress printer, fan and/or blower manufacturer/distributor, hydraulic jack manufacturer/distributor, furnace and combustion equipment, industrial gas burners and heat exchanger manufacturer/distributor, steam generator, steam plant and/or equipment, boiler plant, oil burner, drying room systems, and concrete handling equipment and machinery manufacturer/distributor and timber treatment specialist, golf club and sporting goods manufacturer/importer/wholesaler, industrial and/or protective clothing manufacturer/wholesaler, steel tubing, expanded metal, wire mesh, and tube manufacturer/distributor, perfume and/or toilet preparation manufacturer/importer/wholesaler, aircraft manufacturer/importer/distributor, food products manufacturer/processor, hoist and crane and/or travel tower manufacturer/importer/distributor and irrigation systems and equipment manufacturer/distributor/installer;

- There were 14 motor mechanics and/or service station businesses registered within the report buffer between the 1950s and the 1990s. Some of these were located over 50m up-gradient of the site; and
- The business directory plans for 1961, 1965 and 1970 show Quartleys Service Station located at 322 King Street, Mascot, on the opposite (east) side of O’Riordan Street, Mascot, from the site.

EIS are of the opinion that the historical businesses within the site and in the report buffer are likely to represent potential on-site and off-site sources of site contamination.

In addition to the above, EIS have reviewed additional information contained within the Lotsearch report and note the following:

- There were no local or state heritage items at the site. There were a few local heritage items in the immediate surrounds i.e. within 500m of the site, namely some houses, Mature Ficus, Mascot Public School Building Group and Mascot Park. There was one state heritage item within 500m of the site, namely Commonwealth Water Pumping Station and Sewerage Pumping Station; and
- There were no significant ecological constraints at the site. There was Urban Exotic/Native vegetation located approximately 55m to the west of the site.

#### **4.7 Summary of Site History Information**

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

Table 4-3: Summary of Historical Land Uses

<b>Year(s)</b>	<b>Potential Land Use / Activities</b>
Pre-1957	Predominantly residential and minor commercial/industrial. The central section of the site was vacant.
1957-2016	Predominantly commercial/industrial and minor residential. The central section of the site was built circa 1976.
2016-Present	Commercial/industrial.

EIS are of the opinion that there was no service station on the site for the following reasons:

- The business directories for 1961, 1965 and 1970 record that Quartleys Service Station was located at 322 King Street, Mascot, on the east side of the junction of O’Riordan Street and King Street, Mascot;
- Although the sketch plan associated with the SafeWork records does not have a north arrow, it resembles the footprint of the development on the east side of the O’Riordan Street, Mascot, rather than the site footprint on the west side of the O’Riordan Street, Mascot; and
- Close inspection of the SafeWork records for storage of Hazardous Chemicals revealed that the address quoted on all of the records was Quartleys Service Station – corner of O’Riordan Street and King Street, Mascot. The absence of a street address on the actual records has most likely resulted in the confusion as to the actual location of the service station.

#### **4.8 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. EIS 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 **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.

A review of the CSM in relation to source, pathway and receptor (SPR) linkages has been undertaken as part of the Tier 1 risk assessment process, as outlined in Section 11.

### 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

<b>Source / AEC</b>	<b>CoPC</b>
<u>Fill material</u> – 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.
<u>Use of pesticides</u> – Pesticides may have been used beneath the buildings and/or around the site.	Heavy metals and OCPs
<u>Hazardous Building Material</u> – 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
<u>Off-site Car Wash and potential car washing activities on-site</u> – A car wash is located approximately 15m to the south of the site and is considered to be a potential source of contamination. Potential car washing activities may also be occurring on site.	Heavy metals, TRH and BTEX
<u>Mascot Galvanising</u> – a former galvanising facility was located on the adjacent property to the west of the site. The EPA records indicate that the soil	Heavy metals and pH

Source / AEC	CoPC
and groundwater were impacted with heavy metals and the pH of the groundwater was acidic.	
<u>Historical off-site Service Station</u> – A former service station was located on the opposite side of O’Riordan Street, Mascot, to the east of the site.	Lead, TRH, BTEX and PAHs
<u>Current and/or Historical on-site and off-site manufacturing and/or commercial/industrial use</u> – Various manufacturing and commercial/industrial businesses, including car wash businesses had been located on-site, and within close proximity of the site. A former zinc smelter and paint manufacturing facility had also been located in close proximity of the site, including some motor mechanics/service stations, the railway and a landfill. The EPA records also indicate that hazardous or industrial waste is generated and/or stored in the Qantas Jet Base at Sydney Airport, at close proximity of the site. Some of the off-site businesses were located up-gradient from the site. These activities could be potential sources of contamination at the site.	Heavy metals, TRH, BTEX, PAHs, OCPs, VOCs, ammonia and phenols.
<u>Potential PFAS Risk</u> – The site is located approximately 200m north of a PFAS impacted area undergoing investigation. The upper level of the building in the south-eastern section of the site appeared to have a charred or burnt appearance and there may have had been a fire at the site in the past. Firefighting foam (which contain PFAS) may have been used on site. The site may have a risk of PFAS contamination.	per and poly fluoroalkyl substances (PFAS)

EIS note that herbicides have not been included as CoPC as herbicides are not commonly found at residual concentrations likely to pose a risk to human health or the environment (NSW DEC 2005, *Guidelines for Assessing Former Orchards and Market Gardens*).

## 5.2 Mechanism for Contamination, Affected Media, Receptors and Exposure Pathways

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

Table 5-2: CSM

Potential mechanism for contamination	<p>Potential mechanisms for contamination include:</p> <ul style="list-style-type: none"> <li>• Fill material – importation of impacted material, ‘top-down’ impacts (e.g. placement of fill, leaching from surficial material etc), or sub-surface release (e.g. impacts from buried material);</li> <li>• Potential fuel storage – ‘top-down’, spills (e.g. during filling of the tanks and/or dispensing activities), or sub-surface release (e.g. from leaking tank or pipework);</li> <li>• Use of pesticides – ‘top-down’ and spills (e.g. during normal use, application and/or improper storage);</li> <li>• Hazardous building materials – ‘top-down’ (e.g. demolition resulting in surficial impacts in unpaved areas);</li> <li>• Car washing activities - ‘top-down’, spills (e.g. leaks through cracks in the pavement);</li> <li>• Potential PFAS impact - ‘top-down’, spills (e.g. foam used during firefighting), or sub-surface release (e.g. from dispersion via subsurface media or via groundwater);</li> <li>• Off-site land uses – ‘top-down’, spill or sub-surface release. Impacts to the site could occur via migration of contaminated groundwater.</li> </ul>
Affected media	<p>Soil/soil vapour and groundwater have been identified as potentially affected media.</p>
Receptor identification	<p>Human receptors include site occupants/users (including adults and children), construction workers and intrusive maintenance workers. Off-site human receptors include adjacent land users, and groundwater users.</p> <p>Ecological receptors include terrestrial organisms and plants within unpaved areas (including any proposed landscaped areas), and freshwater ecology in North Pond and Alexandra Canal.</p>
Potential exposure pathways	<p>Potential exposure pathways relevant to the human receptors include ingestion, dermal absorption and inhalation of dust (all contaminants) and vapours (volatile TRH, naphthalene and BTEX). The potential for exposure would typically be associated with the construction and excavation works, and future use of the site. Potential exposure pathways for ecological receptors include primary contact and ingestion.</p> <p>Exposure during future site use could occur via direct contact with soil in unpaved areas such as gardens, inhalation of airborne asbestos fibres during soil disturbance, or inhalation of vapours within enclosed spaces such as buildings and basements.</p>

	<p>Exposure to groundwater is unlikely to occur in the North Pond and Alexandra Canal through direct migration, however groundwater has the potential to enter the pond and canal via the stormwater system (which is expected to discharge into the pond and canal) in a drained basement scenario. Groundwater may eventually discharge into Botany Bay where exposure could occur via direct contact or incidental ingestion in a recreational water use scenario.</p>
Potential exposure mechanisms	<p>The following have been identified as potential exposure mechanisms for site contamination:</p> <ul style="list-style-type: none"> <li>• Vapour intrusion into the proposed basement and/or building (either from soil contamination or volatilisation of contaminants from groundwater);</li> <li>• Contact (dermal, ingestion or inhalation) with exposed soils in landscaped areas and/or unpaved areas;</li> <li>• Migration of groundwater off-site and into nearby water bodies, including aquatic ecosystems and those being used for recreation; and</li> <li>• Migration of groundwater off-site into areas where groundwater is being utilised as a resource (i.e. for irrigation).</li> </ul>



## **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 1.2. 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, 3<sup>rd</sup> Edition (2017)<sup>11</sup>. 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 6.1.5.2 and the detailed evaluation is provided in the appendices.

#### **6.1.1 Step 1 - State the Problem**

The CSM identified potential sources of contamination/AEC at the site that may pose a risk to human health and the environment. Investigation data is required to assess the contamination status of the site, assess the risks posed by the contaminants in the context of the proposed development/intended land use, and assess whether remediation is required. This information will be considered by the consent authority in exercising its planning functions in relation to the development proposal.

A waste classification is required prior to off-site disposal of excavated soil/bedrock.

The DQOs were developed by the author of this report and checked by the reviewer. Both the author and reviewer were joint decision-makers in relation to Step 2 of the DQO process.

The assessment was constrained by access limitations associated with the existing structures on site.

#### **6.1.2 Step 2 - Identify the Decisions of the Study**

The objectives of the assessment are outlined in Section 1.2. 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 SAC?
- Do potential risks associated with contamination exist, and if so, what are they?
- Is remediation required?
- Is the site characterisation sufficient to provide adequate confidence in the above decisions?
- Is the site suitable for the proposed development, or can the site be made suitable subject to further characterisation and/or remediation?

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<sup>11</sup> NSW EPA (2017). *Guidelines for the NSW Site Auditor Scheme, 3<sup>rd</sup> ed.* (referred to as Site Auditor Guidelines 2017)

### 6.1.3 Step 3 - Identify Information Inputs

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

- Existing relevant environmental data from previous reports;
- Site information, including site observations and site history documentation;
- Sampling of potentially affected media, including soil;
- Observations of sub-surface variables such as soil type, photo-ionisation detector (PID) concentrations, odours and staining;
- Laboratory analysis of soils 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 (spatial boundary). The sampling was completed between 24 October 2018 and 30 October 2018 (temporal boundary). The assessment of potential risk to adjacent land users has been made based on data collected within the site boundary.

Sampling was not undertaken within the existing building footprint due to access constraints.

### 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 0. Exceedances of the SAC 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 assessed 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 duplicate 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, EIS 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 SAC 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 assessment objectives. Adjustment of the assessment design can occur following consultation or feedback from project stakeholders. For this investigation, 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 three locations as shown on the attached Figure 2. Based on the site area (7,600m <sup>2</sup> ), this number of locations corresponded to a sampling density of approximately one sample per 2,500m <sup>2</sup> . The sampling plan was not designed to meet the minimum sampling density for hotspot identification, as outlined in the NSW EPA Contaminated Sites Sampling Design Guidelines (1995) <sup>12</sup> .
Sampling Plan	The samples were obtained from three geotechnical boreholes located in the eastern section of the site. This sampling plan was considered suitable to undertake a preliminary screening of potential soil contamination.
Set-out and Sampling Equipment	<p>Sampling locations were set out using a tape measure. In-situ sampling locations were cleared for underground services by an external contractor prior to sampling as outlined in the SSP.</p> <p>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.</p>
Sample Collection and Field QA/QC	<p>Soil samples were obtained between 24 and 30 October 2018 in accordance with the standard sampling procedure (SSP) attached in the appendices. 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.</p> <p>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. Samples for ASS analysis were placed in plastic bags and tightly sealed so as not to have any air in the samples. During sampling, soil at selected depths was split into primary and duplicate samples for field QA/QC analysis.</p>
Field Screening	<p>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 EIS.</p> <p>Fill/spoil at the sampling locations was visually inspected during the works for the presence of fibre cement fragments.</p>

<sup>12</sup> NSW EPA, (1995), *Contaminated Sites Sampling Design Guidelines*. (referred to as EPA Sampling Design Guidelines 1995)

Aspect	Input
Decontami- nation and Sample Preservation	<p>Sampling personnel used disposable nitrile gloves during sampling activities.</p> <p>Soil samples were preserved by immediate storage in an insulated sample container with ice in accordance with the SSP. On completion of the fieldwork, the samples were stored temporarily in fridges in the EIS warehouse before being delivered in the insulated sample container to a NATA registered laboratory for analysis under standard chain of custody (COC) procedures.</p>

### 6.3 Analytical Schedule

The analytical schedule is outlined in the following table:

Table 6-2: Analytical Schedule

Analyte/CoPC	Fill Samples	Natural Soil Samples
Heavy Metals	3	2
TRH/BTEX	3	2
PAHs	3	2
OCPs/OPPs	3	0
PCBs	3	0
Asbestos	3	0
ASS (sPOCAS)	1	5
Toxicity characteristic leachate procedure (TCLP) Metals and/or PAHs for waste classification purposes	1	0

#### 6.3.1 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 duplicate and trip blank samples)	Envirolab Services Pty Ltd NSW, NATA Accreditation Number – 2901 (ISO/IEC 17025 compliance)	205069 and 205069-A

## 7 **SITE ASSESSMENT CRITERIA (SAC)**

The SAC were derived 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 'residential with minimal accessible soils' exposure scenario (HIL-B);
- Health Screening Levels (HSLs) for a 'low-high density residential' exposure scenario (HSL-A & HSL-B). HSLs were calculated based on the soil type and the depth interval of 0m to 2m;
- Where exceedances of the HSLs were reported for hydrocarbons (TRH/BTEX and naphthalene), the soil health screening levels 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)<sup>13</sup> were considered; 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 Management Limits for Petroleum Hydrocarbons

Management limits for petroleum hydrocarbons (as presented in Schedule B1 of NEPM 2013) were considered (if required) following evaluation of human health and ecological risks, and risks to groundwater.

#### 7.1.3 Waste Classification

Data for the waste classification assessment were assessed in accordance with the Waste Classification Guidelines, Part 1: Classifying Waste (2014)<sup>14</sup> as outlined in the following table:

Table 7-1: Waste Categories

Category	Description
General Solid Waste (non-putrescible)	<ul style="list-style-type: none"> <li>• If Specific Contaminant Concentration (SCC) <math>\leq</math> Contaminant Threshold (CT1) then Toxicity Characteristics Leaching Procedure (TCLP) not needed to classify the soil as general solid waste; and</li> </ul>

<sup>13</sup> 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*

<sup>14</sup> NSW EPA, (2014). *Waste Classification Guidelines, Part 1: Classifying Waste*. (referred to as Waste Classification Guidelines 2014)

Category	Description
	<ul style="list-style-type: none"> <li>If <math>TCLP \leq TCLP1</math> and <math>SCC \leq SCC1</math> then treat as general solid waste.</li> </ul>
Restricted Solid Waste (non-putrescible)	<ul style="list-style-type: none"> <li>If <math>SCC \leq CT2</math> then TCLP not needed to classify the soil as restricted solid waste; and</li> <li>If <math>TCLP \leq TCLP2</math> and <math>SCC \leq SCC2</math> then treat as restricted solid waste.</li> </ul>
Hazardous Waste	<ul style="list-style-type: none"> <li>If <math>SCC &gt; CT2</math> then TCLP not needed to classify the soil as hazardous waste; and</li> <li>If <math>TCLP &gt; TCLP2</math> and/or <math>SCC &gt; SCC2</math> then treat as hazardous waste.</li> </ul>
Virgin Excavated Natural Material (VENM)	<p>Natural material (such as clay, gravel, sand, soil or rock fines) that meet the following:</p> <ul style="list-style-type: none"> <li>That has been excavated or quarried from areas that are not contaminated with manufactured chemicals, or with process residues, as a result of industrial, commercial mining or agricultural activities;</li> <li>That does not contain sulfidic ores or other waste; and</li> <li>Includes excavated natural material that meets such criteria for virgin excavated natural material as may be approved from time to time by a notice published in the NSW Government Gazette.</li> </ul>

#### 7.1.4 Acid Sulfate Soil

Soil data for the ASS assessment were compared to the action criteria for presented in the Acid Sulfate Soil Manual (1998)<sup>15</sup> as summarised below. The action criteria for ‘coarse textured soils’ were adopted.

Table 7-2: ASS Action Criteria

Category	Description	Criteria
Coarse Textured Soils	Sands to loamy sands	<ul style="list-style-type: none"> <li>pH - less than 5;</li> <li>Total Actual Acidity (TAA)/Total Sulfide Acidity (TSA)/ Total Potential Acidity (TPA) (pH5.5) – greater than 18mol H<sup>+</sup>/tonne; and</li> <li>S<sub>pos</sub> – greater than 0.03% sulfur oxidisable.</li> </ul>
Medium Textured Soils	Sandy loams to light clays	<ul style="list-style-type: none"> <li>pH - less than 5;</li> <li>TAA/TSA/TPA (pH5.5) – greater than 36mol H<sup>+</sup>/tonne; and</li> <li>S<sub>pos</sub> – greater than 0.06% sulfur oxidisable.</li> </ul>

<sup>15</sup> Acid Sulfate Soils Management Advisory Committee (ASSMAC), (1998). *Acid Sulfate Soils Manual* (referred to as ASS Manual 1998)



Category	Description	Criteria
Fine Textured Soils	Medium to heavy clays and silty clays	<ul style="list-style-type: none"><li>• pH - less than 5;</li><li>• TAA/TSA/TPA (pH5.5) – greater than 62mol H<sup>+</sup>/tonne; and</li><li>• S<sub>pos</sub> – greater than 0.1% sulfur oxidisable.</li></ul>

It is noted that where disturbance of greater than 1,000 tonnes of ASS is proposed, the action criteria for ‘coarse textured soils’ apply to all soil types.

## 8 RESULTS

### 8.1 Summary of Data (QA/QC) Evaluation

The data evaluation is presented in the appendices. In summary, EIS 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.

### 8.2 Subsurface Conditions

A summary of the subsurface conditions encountered during the investigation is presented in the table below. 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 the boreholes.
Fill	<p>Fill was encountered beneath the pavement in all boreholes and extended to depths of approximately 0.3m to 1.5m below ground level (bgl).</p> <p>The fill typically comprised silty sand and gravelly sand with inclusions of ironstone, sandstone and igneous gravel and igneous and sandstone cobbles.</p> <p>No staining or odours were noted in the fill material. No potential ACM containing material was observed in the fill.</p>
Natural Soil	<p>Natural material was encountered beneath the fill in all boreholes and extended to depths of approximately 22.06m to 22.9m bgl.</p> <p>The natural material typically comprised silty sand, silty clay and sandy clay with inclusions of organic silty clay/sandy silt/clayey silt/clay/clayey sand bands, ironstone bands and ironstone gravel. A trace of timber fragments was encountered in BH2 at approximately 17.5m bgl and in BH3 at approximately 15m bgl.</p> <p>No staining was noted in the natural material. Slight organic odour was noted in BH1 at approximately 2.2m bgl in natural material. Organic odour was also noted in BH3 at approximately 1.3m bgl in the natural material.</p>
Bedrock	<p>Bedrock was encountered beneath the natural material in all boreholes at depths of approximately 22.06m to 22.9m bgl.</p> <p>The bedrock typically comprised siltstone with iron indurated bands, clay bands and weathered to extremely weathered bands, laminae and clay seams.</p> <p>No staining or odours were noted in the bedrock.</p>
Groundwater	Groundwater seepage was encountered in the boreholes during drilling.

Profile	Description

### 8.3 Field Screening

PID soil sample headspace readings are presented in attached report tables and the COC documents attached in the appendices. All results were 0ppm isobutylene equivalents which indicates a lack of PID detectable VOCs.

### 8.4 Soil Laboratory Results

The soil laboratory results are compared to the relevant SAC in the attached report tables. A summary of the results assessed against the SAC is presented below:

#### 8.4.1 Human Health Assessment

Table 8-2: Summary of Soil Laboratory Results – Human Health

Analyte	Results Compared to SAC
Heavy Metals	All heavy metals results were below the SAC.
TRH	All TRH results were below the SAC.
BTEX	All BTEX results were below the SAC.
PAHs	All PAH results were below the SAC.
OCPs and OPPs	All OCP and OPP results were below the SAC.
PCBs	All PCB results were below the SAC. All PCB concentrations were below the laboratory PQLs.
Asbestos	All asbestos results were below the SAC (i.e. asbestos was absent in the samples analysed for the investigation).

#### 8.4.2 Waste Classification Assessment

The laboratory results were assessed against the criteria presented in Part 1 of the Waste Classification Guidelines, as summarised previously in this report. The results are presented in the report tables attached in the appendices. A summary of the results is presented below.

Table 8-3: Summary of Soil Laboratory Results Compared to CT and SCC Criteria

Analyte	No. of Samples Analysed	No. of Results > CT Criteria	No. of Results > SCC Criteria	Comments
Heavy Metals	5	1	0	Lead concentration exceeded the CT1 criterion in one fill sample collected from BH2 (0.5-0.95m). The maximum lead concentration was 220mg/kg.
TRH	5	0	0	-
BTEX	5	0	0	-
Total PAHs	5	0	0	-
Benzo(a)pyrene	5	0	0	-
OCPs & OPPs	3	0	0	-
PCBs	3	0	0	-
Asbestos	3	-	-	Asbestos was not detected in the samples analysed.

Table 8-4: Summary of Soil Laboratory Results Compared to TCLP Criteria

Analyte	No. of Samples Analysed	No. of Results > TCLP Criteria	Comments
Lead	1	0	The one fill sample with lead concentration above the CT1 criterion was analysed for TCLP lead. The TCLP lead concentration for the sample was below the TCLP1 criterion.

### 8.4.3 Acid Sulfate Soil Assessment

The soil laboratory results were assessed against the action criteria adopted for the assessment. The results are presented in the attached report tables and summarised below.

Table 8-5: Summary of ASS Results

Analyte	Results Compared to ASS Guidelines
pH <sub>KCl</sub> and pH <sub>ox</sub>	<p>The pH<sub>KCl</sub> results ranged from 5.0 to 8.8. None of the pH<sub>KCl</sub> results exceeded (i.e. were below) the action criterion of pH 5.</p> <p>Following oxidation, the pH<sub>ox</sub> results for the samples ranged from 3.0 to 7.0. Four of the pH<sub>KCl</sub> results exceeded (i.e. were below) the action criterion of pH 5. The pH of the samples typically dropped by 0.5 or more units following oxidation.</p>
Acid Trail	<ul style="list-style-type: none"> <li>• TAA results were less than the PQL. None of the results were above the action criterion of 18mol H<sup>+</sup>/tonne;</li> <li>• TPA results ranged from less than the PQL to 80mol H<sup>+</sup>/tonne. One of the results was above the action criterion of 18mol H<sup>+</sup>/tonne; and</li> <li>• TSA results ranged from less than PQL to 76mol H<sup>+</sup>/tonne. One of the results was above the action criterion of 18mol H<sup>+</sup>/tonne.</li> </ul>
Sulfur Trail	<p>The S<sub>pos</sub>% results ranged for less than the PQL to 0.11%. The S<sub>pos</sub>% results in sample from BH1 7.5-7.95 exceeded the action criterion of 0.03%. The remainder of the results were below the action criterion of 0.03% as shown on Table E.</p>
Liming Rate	<p>The liming rate required for neutralisation ranged from &lt;0.75 kgCaCO<sub>3</sub>/tonne to 5.3 kgCaCO<sub>3</sub>/tonne.</p>

## **9 WASTE CLASSIFICATION ASSESSMENT**

### **9.1 Waste Classification of Fill**

Based on the results of the assessment, and at the time of reporting, the fill material is preliminarily classified as **General Solid Waste (non-putrescible)**. Additional assessment is required to confirm this classification.

### **9.2 Classification of Natural Soil and Bedrock**

Based on the scope of work undertaken for this assessment, and at the time of reporting, EIS are of the opinion that the natural soil and bedrock, up to approximately 4.95m bgl at the site, meets the definition of **VENM** for off-site disposal or re-use purposes. However, further assessment is required to confirm this classification.

The natural material below 4.95m bgl is classified as **General Solid Waste (non-putrescible) containing ASS**.

VENM is considered suitable for re-use on-site, or alternatively, the information included in this report may be used to assess whether the material is suitable for beneficial reuse at another site as fill material. In accordance with Part 1 of the Waste Classification Guidelines, the VENM is pre-classified as general solid waste and can also be disposed of accordingly to a facility that is licensed to accept it.

## **10      ACID SULFATE SOILS ASSESSMENT**

The soil samples analysed for this investigation encountered results which exceeded the action criteria adopted for the assessment. Based on these results, the soils below a depth of 4.95m are considered to be PASS. An Acid Sulfate Soil Management Plan (ASSMP) will be required to manage these soils during the proposed development works. Further assessment may help minimise the volume of PASS that requires treatment.

## **11 DISCUSSION AND CONCLUSIONS**

### **11.1 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.

#### **11.1.1 Soil**

Concentrations of the COPCs that were analysed for were not encountered above the SACs in the soil samples analysed.

However, the current data set is restricted. As a result of undertaking the desktop assessment a number of COPCs were identified that were not included on the general screening suite of potential contaminants.

### **11.2 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. The site may have been filled, and pesticides may have been used on site. The site is currently being used for commercial/industrial purposes including potential car washing activities and historically had manufacturing and other commercial/industrial businesses on-site. A car-wash business is located to the south of the site and there are potential current and historical manufacturing and other commercial/industrial properties in close vicinity of the site, including a former service station and former galvanising business. The site is also located approximately 200m to the north of a large PFAS investigation area. The site buildings may contain hazardous building materials (e.g. asbestos).

*Are any results above the SAC?*

None of the results were above the SAC.



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

There are potential risks associated with contamination. However further investigation is required to better assess the site for potential risks associated with contamination as the site has not been fully characterised.

*Is remediation required?*

This was a preliminary investigation and further assessment is required to understand whether remediation is warranted.

*Is the site characterisation sufficient to provide adequate confidence in the above decisions?*

The site characterisation is sufficient at this stage to provide adequate confidence in the above decisions.

*Is the site suitable for the proposed development, or can the site be made suitable subject to further characterisation and/or remediation?*

The site can be made suitable for the proposed development subject to further characterisation and/or remediation.

### **11.3 Data Gaps**

The assessment has identified the following data gaps:

- The intrusive investigation was preliminary in nature and was concentrated in the central-eastern section of the site and did not meet the EPA minimum sampling density required for a site assessment. The remaining areas have not been assessed for contamination. No sampling was undertaken beneath the buildings and structures as well;
- Some of the COPCs i.e. VOCs, ammonia, phenols and PFAS have not been assessed for in this preliminary investigation;
- The groundwater has not been assessed for contamination; and
- A hazardous building material has not been undertaken at the site.

The data gaps require further investigation/work to address them.

## **12 CONCLUSIONS AND RECOMMENDATIONS**

A desktop study and a limited intrusive soil contamination assessment was undertaken for this investigation.

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

- Fill material;
- Use of pesticides;
- Hazardous building materials present on site;
- Off-site car wash and potential car washing activities on-site;
- Mascot Galvanising;
- Historical off-site service station;
- Current and/or historical on-site and off-site manufacturing and/or commercial/industrial use; and
- Potential PFAS contamination risk.

The site was potentially used predominantly for residential and minor commercial/industrial purposes prior to 1957 and the central section of the site was vacant at this time. The site was then used predominantly for commercial/industrial and minor residential purposes between 1957 and 2016 and the central section of the site was developed circa 1976. The site has been used for commercial/industrial purposes only from 2016 onwards.

The limited intrusive soil investigation undertaken during this assessment did not encounter concentrations of contaminants above the SAC. The risk of encountering acid sulfate soil below depths of 4.95m bgl was considered to be high.

EIS consider that the report objectives outlined in Section 1.2 have been addressed.

EIS are of the opinion that the site can be made suitable for the future development at the site, subject to the recommendations below:

1. Undertake a Stage 2 Environmental Site Assessment (ESA) at the site, to meet the minimum sampling density required and for the whole site coverage. The COPCs which were not assessed for in this investigation should be included in the Stage 2 ESA. A groundwater assessment should also be included;
2. Undertake further assessment of the site soils to confirm the waste classification of the fill and natural material on site;
3. Prepare an ASSMP for the management of soils with ASS risk on-site; and
4. Undertake a Hazardous Materials Assessment (Hazmat) for the existing buildings/structures within the site, prior to the commencement of demolition work).

Under the NSW EPA Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997 (2015)<sup>16</sup>, the requirements to notify the NSW EPA regarding site contamination should be assessed once additional assessment is undertaken and if a remedial strategy is required and has been selected.

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<sup>16</sup> 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)

### **13 LIMITATIONS**

The report limitations are outlined below:

- EIS 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 EIS proposal; and terms of contract between EIS 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, EIS has not undertaken any verification process, except where specifically stated in the report;
- EIS 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;
- EIS 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;
- EIS 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. EIS 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.

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## **IMPORTANT INFORMATION ABOUT THIS REPORT**

These notes have been prepared by EIS 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 EIS 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.

EIS/J&K will not accept any responsibility whatsoever for situations where one or more of the above factors have changed since completion of the assessment. If the subject site is sold, ownership of the assessment report should be transferred by EIS to the new site owners who will be informed of the conditions and limitations under which the assessment was undertaken. No person should apply an assessment 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 assessment 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 assessments 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 assessment 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.

### **Assessment Limitations**

Although information provided by a site assessment can reduce exposure to the risk of the presence of contamination, no environmental site assessment can eliminate the risk. Even a rigorous professional assessment 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 Assessments by Design Professionals**

Costly problems can occur when other design professionals develop plans based on misinterpretation of an assessment 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 Assessment 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 assessment. 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 assessment. 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.

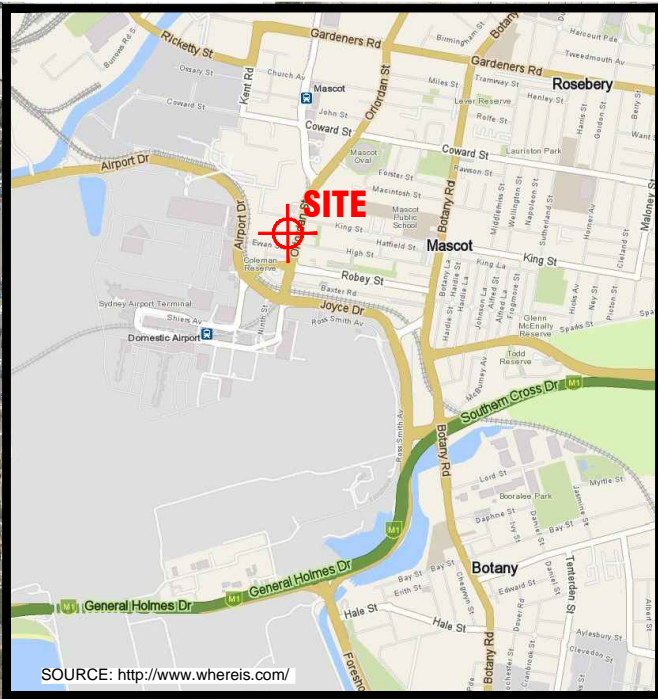
To reduce the likelihood of borehole and test pit log misinterpretation, the complete assessment should be available to persons or organisations involved in the project, such as contractors, for their use. Denial of such access and disclaiming responsibility for the accuracy of subsurface information 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 assessment 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 assessment, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to any questions.

## **REPORT FIGURES**





AERIAL IMAGE SOURCE: GOOGLE EARTH PRO 7.1.5.1557  
AERIAL IMAGE ©: 2015 GOOGLE INC.

Title:

## SITE LOCATION PLAN

Location: 215-235 O'RIORDAN STREET & 1-3 EWAN STREET  
MASCOT, NSW

Report No: E31721KR

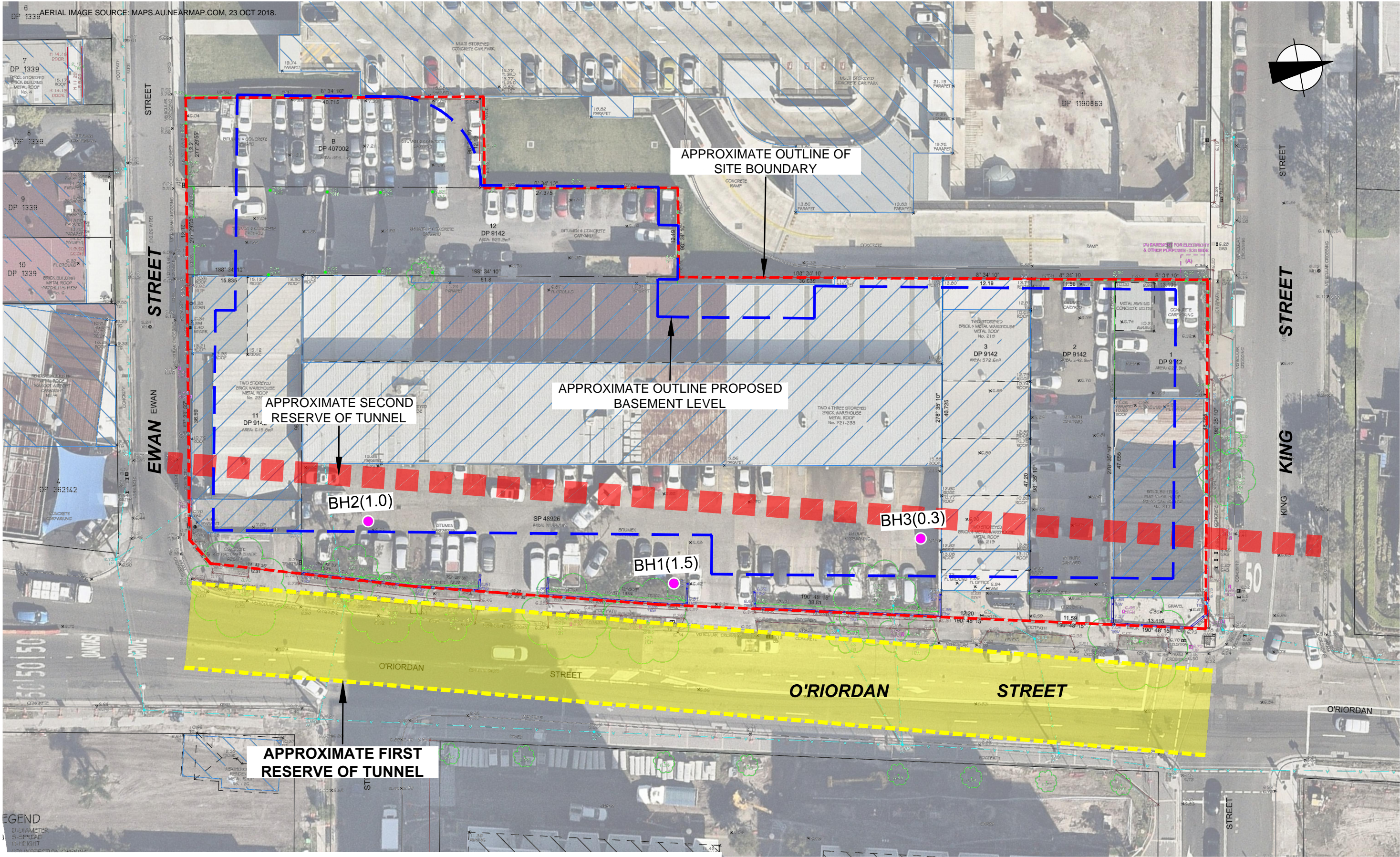
Figure No: 1

ENVIRONMENTAL INVESTIGATION SERVICES



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





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SCALE1:500 @A3METRES

Title: SAMPLE LOCATION PLAN

Location: 215-235 O'RIORDAN STREET & 1-3 EWAN STREET  
MASCOT, NSW

Report No: E31721KR

Figure No: 2

ENVIRONMENTAL INVESTIGATION SERVICES

EIS

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



## **LABORATORY SUMMARY TABLES**

## ABBREVIATIONS AND EXPLANATIONS

### Abbreviations used in the Tables:

<b>ABC:</b>	Ambient Background Concentration	<b>PCBs:</b>	Polychlorinated Biphenyls
<b>ACM:</b>	Asbestos Containing Material	<b>PCE:</b>	Perchloroethylene (Tetrachloroethylene or Teterachloroethene)
<b>ADWG:</b>	Australian Drinking Water Guidelines	<b>pH<sub>KCL</sub>:</b>	pH of filtered 1:20, 1M KCL extract, shaken overnight
<b>AF:</b>	Asbestos Fines	<b>pH<sub>ox</sub>:</b>	pH of filtered 1:20 1M KCL after peroxide digestion
<b>ANZECC:</b>	Australian and New Zealand Environment Conservation Council	<b>PQL:</b>	Practical Quantitation Limit
<b>B(a)P:</b>	Benzo(a)pyrene	<b>RS:</b>	Rinsate Sample
<b>CEC:</b>	Cation Exchange Capacity	<b>RSL:</b>	Regional Screening Levels
<b>CRC:</b>	Cooperative Research Centre	<b>SAC:</b>	Site Assessment Criteria
<b>CT:</b>	Contaminant Threshold	<b>SCC:</b>	Specific Contaminant Concentration
<b>EILs:</b>	Ecological Investigation Levels	<b>S<sub>Cr</sub>:</b>	Chromium reducible sulfur
<b>ESLs:</b>	Ecological Screening Levels	<b>S<sub>POS</sub>:</b>	Peroxide oxidisable Sulfur
<b>FA:</b>	Fibrous Asbestos	<b>SSA:</b>	Site Specific Assessment
<b>GIL:</b>	Groundwater Investigation Levels	<b>SSHSLs:</b>	Site Specific Health Screening Levels
<b>HILs:</b>	Health Investigation Levels	<b>TAA:</b>	Total Actual Acidity in 1M KCL extract titrated to pH6.5
<b>HSLs:</b>	Health Screening Levels	<b>TB:</b>	Trip Blank
<b>HSL-SSA:</b>	Health Screening Level-Site Specific Assessment	<b>TCA:</b>	1,1,1 Trichloroethane (methyl chloroform)
<b>NA:</b>	Not Analysed	<b>TCE:</b>	Trichloroethylene (Trichloroethene)
<b>NC:</b>	Not Calculated	<b>TCLP:</b>	Toxicity Characteristics Leaching Procedure
<b>NEPM:</b>	National Environmental Protection Measure	<b>TPA:</b>	Total Potential Acidity, 1M KCL peroxide digest
<b>NHMRC:</b>	National Health and Medical Research Council	<b>TS:</b>	Trip Spike
<b>NL:</b>	Not Limiting	<b>TRH:</b>	Total Recoverable Hydrocarbons
<b>NSL:</b>	No Set Limit	<b>TSA:</b>	Total Sulfide Acidity (TPA-TAA)
<b>OCP:</b>	Organochlorine Pesticides	<b>UCL:</b>	Upper Level Confidence Limit on Mean Value
<b>OPP:</b>	Organophosphorus Pesticides	<b>USEPA</b>	United States Environmental Protection Agency
<b>PAHs:</b>	Polycyclic Aromatic Hydrocarbons	<b>VOCC:</b>	Volatile Organic Chlorinated Compounds
<b>ppm:</b>	Parts per million	<b>WHO:</b>	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 referred 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.

#### 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.

TABLE A																						
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 PCBs	ASBESTOS FIBRES
			Arsenic	Cadmium	Chromium VI	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	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	1	Detected/Not Detected
Sample Reference	Sample Depth	Sample Description																				
BH1	0.13-0.3	Fill	<4	<0.4	2	2	5	<0.1	1	8	<0.05	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Not Detected
BH2	0.5-0.95	Fill	<4	0.7	8	140	220	0.9	3	300	2.1	<0.5	<0.1	<0.1	<0.1	1.7	<0.1	<0.1	<0.1	<0.1	<0.1	Not Detected
BH2	1.0-1.5	Silty Sand	<4	<0.4	<1	2	4	<0.1	<1	20	<0.05	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH3	0.15-0.3	Fill	<4	<0.4	2	15	45	0.1	3	53	2.3	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Not Detected
BH3	1.5-1.95	Silty Sand	<4	<0.4	2	<1	3	<0.1	<1	5	<0.05	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Number of Samples			5	5	5	5	5	5	5	5	5	5	3	3	3	3	3	3	3	3	3	3
Maximum Value			<PQL	0.7	8	140	220	0.9	3	300	2.3	<PQL	<PQL	<PQL	<PQL	1.7	<PQL	<PQL	<PQL	<PQL	<PQL	NC
Concentration above the SAC			VALUE																			

TABLE B SOIL LABORATORY RESULTS COMPARED TO HSLs All data in mg/kg unless stated otherwise												
					C <sub>6</sub> -C <sub>10</sub> (F1)	>C <sub>10</sub> -C <sub>16</sub> (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	0.13-0.3	Fill	0m to < 1m	Sand	<25	<50	<0.2	<0.5	<1	<1	<1	0
BH2	0.5-0.95	Fill	0m to < 1m	Sand	<25	<50	<0.2	<0.5	<1	<1	<1	0
BH2	1.0-1.5	Silty Sand	1m to <2m	Sand	<25	<50	<0.2	<0.5	<1	<1	<1	0
BH3	0.15-0.3	Fill	0m to < 1m	Sand	<25	<50	<0.2	<0.5	<1	<1	<1	0
BH3	1.5-1.95	Silty Sand	1m to <2m	Sand	<25	<50	<0.2	<0.5	<1	<1	<1	0
Total Number of Samples					5	5	5	5	5	5	5	5
Maximum Value					<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL
Concentration above the SAC <div>VALUE</div>												
The guideline corresponding to the elevated value is highlighted in grey in the Site Assessment Criteria Table below												

SITE ASSESSMENT CRITERIA												
					C <sub>6</sub> -C <sub>10</sub> (F1)	>C <sub>10</sub> -C <sub>16</sub> (F2)	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	
PQL - Envirolab Services					25	50	0.2	0.5	1	1	1	
NEPM 2013 HSL Land Use Category					HSL-A/B:LOW/HIGH DENSITY RESIDENTIAL							
Sample Reference	Sample Depth	Sample Description	Depth Category	Soil Category								
BH1	0.13-0.3	Fill	0m to < 1m	Sand	45	110	0.5	160	55	40	3	
BH2	0.5-0.95	Fill	0m to < 1m	Sand	45	110	0.5	160	55	40	3	
BH2	1.0-1.5	Silty Sand	1m to <2m	Sand	70	240	0.5	220	NL	60	NL	
BH3	0.15-0.3	Fill	0m to < 1m	Sand	45	110	0.5	160	55	40	3	
BH3	1.5-1.95	Silty Sand	1m to <2m	Sand	70	240	0.5	220	NL	60	NL	

TABLE C																											
SOIL LABORATORY RESULTS COMPARED TO WASTE CLASSIFICATION GUIDELINES																											
All data in mg/kg unless stated otherwise																											
			HEAVY METALS							PAHs		OC/OP PESTICIDES				Total PCBs	TRH					BTEX COMPOUNDS				ASBESTOS FIBRES	
			Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc	Total PAHs	B(a)P	Total Endosulfans	Chloropyrifos	Total Moderately Harmful		Total Scheduled	C <sub>6</sub> -C <sub>9</sub>	C <sub>10</sub> -C <sub>14</sub>	C <sub>15</sub> -C <sub>28</sub>	C <sub>29</sub> -C <sub>36</sub>	Total C <sub>10</sub> -C <sub>36</sub>	Benzene	Toluene	Ethyl benzene		Total Xylenes
PQL - Envirolab Services			4	0.4	1	1	1	0.1	1	1	-	0.05	0.1	0.1	0.1	0.1	0.1	25	50	100	100	250	0.2	0.5	1	3	100
General Solid Waste CT1			100	20	100	NSL	100	4	40	NSL	200	0.8	60	4	250	<50	<50	650	NSL		10,000	10	288	600	1,000	-	
General Solid Waste SCC1			500	100	1900	NSL	1500	50	1050	NSL	200	10	108	7.5	250	<50	<50	650	NSL		10,000	18	518	1,080	1,800	-	
Restricted Solid Waste CT2			400	80	400	NSL	400	16	160	NSL	800	3.2	240	16	1000	<50	<50	2600	NSL		40,000	40	1,152	2,400	4,000	-	
Restricted Solid Waste SCC2			2000	400	7600	NSL	6000	200	4200	NSL	800	23	432	30	1000	<50	<50	2600	NSL		40,000	72	2,073	4,320	7,200	-	
Sample Reference	Sample Depth	Sample Description																									
BH1	0.13-0.3	Fill	<4	<0.4	2	2	5	<0.1	1	8	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<25	<50	<100	<100	<PQL	<0.2	<0.5	<1	<3	Not Detected
BH2	0.5-0.95	Fill	<4	0.7	8	140	220	0.9	3	300	2.1	0.2	<0.1	<0.1	<0.1	1.7	<0.1	<25	<50	<100	<100	<PQL	<0.2	<0.5	<1	<3	Not Detected
BH2	1.0-1.5	Silty Sand	<4	<0.4	<1	2	4	<0.1	<1	20	<0.05	<0.05	NA	NA	NA	NA	NA	<25	<50	<100	<100	<PQL	<0.2	<0.5	<1	<3	NA
BH3	0.15-0.3	Fill	<4	<0.4	2	15	45	0.1	3	53	2.3	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<25	<50	<100	<100	<PQL	<0.2	<0.5	<1	<3	Not Detected
BH3	1.5-1.95	Silty Sand	<4	<0.4	2	<1	3	<0.1	<1	5	<0.05	<0.05	NA	NA	NA	NA	NA	<25	<50	<100	<100	<PQL	<0.2	<0.5	<1	<3	NA
Total Number of samples			5	5	5	5	5	5	5	5	5	5	3	3	3	3	3	5	5	5	5	5	5	5	5	3	
Maximum Value			<PQL	0.7	8	140	220	0.9	3	300	2.3	0.2	<PQL	<PQL	<PQL	1.7	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	NC	
Concentration above the CT1			VALUE																								
Concentration above SCC1			VALUE																								
Concentration above the SCC2			VALUE																								

TABLE D			
SOIL LABORATORY TCLP RESULTS			
All data in mg/L unless stated otherwise			
			Lead
PQL - Envirolab Services			0.03
TCLP1 - General Solid Waste			5
TCLP2 - Restricted Solid Waste			20
TCLP3 - Hazardous Waste			>20
Sample Reference	Sample Depth	Sample Description	
BH2	0.5-0.95	Fill	0.53
Total Number of samples			1
Maximum Value			0.53
General Solid Waste		VALUE	
Restricted Solid Waste		VALUE	
Hazardous Waste		VALUE	



**TABLE E**  
**SUMMARY OF LABORATORY RESULTS - ACID SULFATE SOIL ANALYSIS (sPOCAS)**

		Analysis	pH <sub>KCL</sub>	TAA	pH <sub>ox</sub>	TPA	TSA	S <sub>pos</sub>	Liming Rate	
				pH 6.5		pH 6.5	pH 6.5	%w/w	kg CaCO <sub>3</sub> /tonne	
Acid Sulfate Soil Manual (1998) -Action Criteria		Coarse Textured Soil	pH 5.0	18molH+/tonne	pH 5.0	18molH+/tonne	18molH+/tonne	0.03% w/w		
Sample Reference	Sample Depth (m)	Sample Description								
BH1	1.8-2.0	Silty Sand	6.4	<5	4.4	18	18	0.01	<0.75	
BH1	7.5-7.95		5.0	<5	3.0	80	76	0.11	5.3	
BH2	0.5-0.95		Fill: Silty Sand	8.8	<5	7.0	<5	<5	0.007	<0.75
BH2	3.0-3.45		Silty Sand	5.5	<5	5.0	<5	<5	0.006	<0.75
BH3	1.0-1.5		Silty Sand	5.3	<5	4.3	<5	<5	0.008	<0.75
BH3	4.5-4.95		Silty Sand	5.1	<5	4.3	<5	<5	<0.005	<0.75
Total Number of Samples			6	6	6	6	6	6	6	
Minimum Value			5.0	<PQL	3	18	18	0.006	5.3	
Maximum Value			8.8	<PQL	7	80	76	0.11	5.3	

Values Exceeding Action Criteria

**VALUE**

**TABLE F**  
**SOIL INTRA-LABORATORY DUPLICATE RESULTS & RPD CALCULATIONS**  
 All results in mg/kg unless stated otherwise

SAMPLE	ANALYSIS	EnviroLab PQL	INITIAL	REPEAT	MEAN	RPD %
Sample Ref = BH3 0.15-0.3 Dup Ref = DUP1  EnviroLab Report: 205069	Arsenic	4	<4	<4	NC	NC
	Cadmium	0.4	<0.4	<0.4	NC	NC
	Chromium	1	2	2	2.0	0
	Copper	1	15	15	15.0	0
	Lead	1	45	45	45.0	0
	Mercury	0.1	0.1	0.1	0.1	0
	Nickel	1	3	3	3.0	0
	Zinc	1	53	53	53.0	0
	Naphthalene	0.1	<0.1	<0.1	NC	NC
	Acenaphthylene	0.1	<0.1	<0.1	NC	NC
	Acenaphthene	0.1	<0.1	<0.1	NC	NC
	Fluorene	0.1	<0.1	<0.1	NC	NC
	Phenanthrene	0.1	0.3	0.1	0.2	100
	Anthracene	0.1	<0.1	<0.1	NC	NC
	Fluoranthene	0.1	0.4	0.2	0.3	67
	Pyrene	0.1	0.4	0.2	0.3	67
	Benzo(a)anthracene	0.1	0.2	0.1	0.2	67
	Chrysene	0.1	0.2	0.2	0.2	0
	Benzo(b,j,k)fluoranthene	0.2	0.4	0.3	0.4	29
	Benzo(a)pyrene	0.05	0.2	0.2	0.2	0
	Indeno(123-cd)pyrene	0.1	0.1	<0.1	0.1	67
	Dibenzo(ah)anthracene	0.1	<0.1	<0.1	NC	NC
	Benzo(ghi)perylene	0.1	0.2	0.1	0.2	67
	TRH C <sub>6</sub> -C <sub>10</sub> (F1)	25	<25	<25	NC	NC
	TRH >C <sub>10</sub> -C <sub>16</sub> (F2)	50	<50	<50	NC	NC
	TRH >C <sub>16</sub> -C <sub>34</sub> (F3)	100	<100	<100	NC	NC
	TRH >C <sub>34</sub> -C <sub>40</sub> (F4)	100	<100	<100	NC	NC
	Benzene	0.2	<0.2	<0.2	NC	NC
	Toluene	0.5	<0.5	<0.5	NC	NC
	Ethylbenzene	1	<1	<1	NC	NC
	m+p-xylene	2	<2	<2	NC	NC
	o-xylene	1	<1	<1	NC	NC

**Explanation:**

The RPD value is calculated as the absolute value of the difference between the initial and repeat results divided by the average value expressed as a percentage. The following acceptance criteria will be used to assess the RPD results:

- Results > 10 times PQL = RPD value <= 50% are acceptable
  - Results between 5 & 10 times PQL = RPD value <= 75% are acceptable
  - Results < 5 times PQL = RPD value <= 100% are acceptable
- If result is LPQL then 50% of the PQL is used for the calculation

RPD Results Above the Acceptance Criteria

VALUE

**TABLE G**  
**SUMMARY OF FIELD QA/QC RESULTS**

ANALYSIS	Envirolab PQL		TB <sup>s</sup>
			24/10/2018
	mg/kg	µg/L	mg/kg
Benzene	0.2	0.2	<0.2
Toluene	1	0.5	<0.5
Ethylbenzene	1	1	<1
m+p-xylene	2	2	<2
o-xylene	1	1	<1
<p><b>Explanation:</b></p> <p><sup>w</sup> Sample type (water)</p> <p><sup>s</sup> Sample type (sand)</p> <p>BTEX concentrations in trip spikes are presented as % recovery</p> <p>Values above PQLs/Acceptance criteria <b>VALUE</b></p>			

## **Appendix A: Site Information including Site History**

## **Proposed Development Plan**



DESIGN CONTROLS		
SITE AREA	7629.1 m <sup>2</sup>	
	REQUIRED/ALLOWED	PROPOSED
ZONE	B5	B5
GROSS FLOOR AREA	22887.3 m <sup>2</sup>	41851.87 m <sup>2</sup>
FSR	3:1	5.48:1
HEIGHT	44M	44M
SETBACKS		
FRONT - CLASSIFIED ROAD	4m Landsacpe	4m Landsacpe
	9m Building	9m Building
SIDE - CORNER SITE	2m	3 - 5m
REAR	Nil-3m	Nil-9m
PARKING		
Basement		500
Above ground		478
Taxi Parking		3

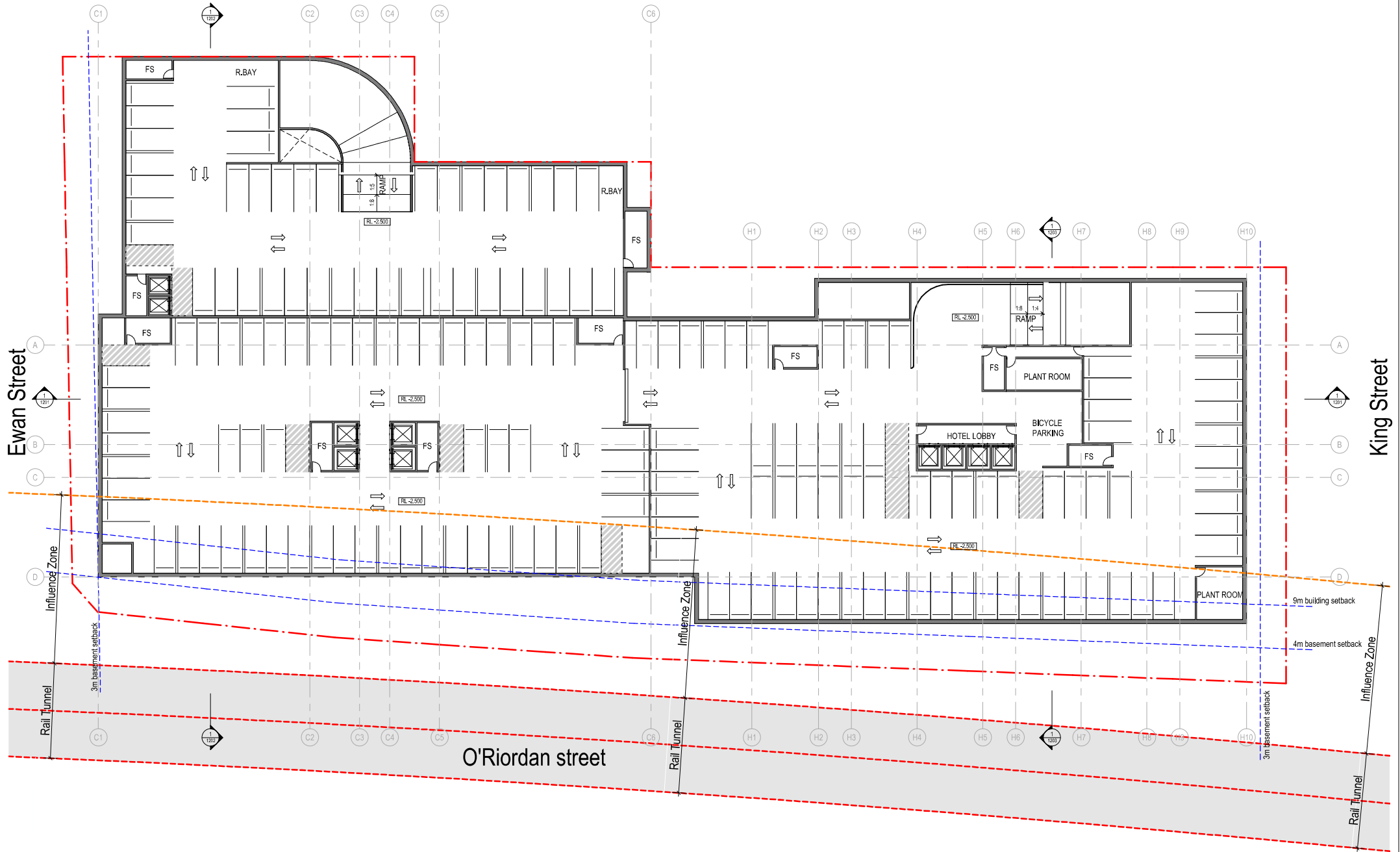
**COMMERCIAL PARKING BUILDING (12 Storey):**

**HOTEL BUILDING (12 Storey):**

Reception + Cafe + Retail	-Ground
Restaurant	-Level 1
Banquet Hall	-Level 2
Hotel Rooms/Service Apt.	-Level 3-11

**COMMERCIAL BUILDING (11 Storey):**

Retail/Reception	-Ground
Medical Center	-Level 1
Medical Suites	-Level 2-4
Offices	-Level 5-10



REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE	PRELIMINARY				
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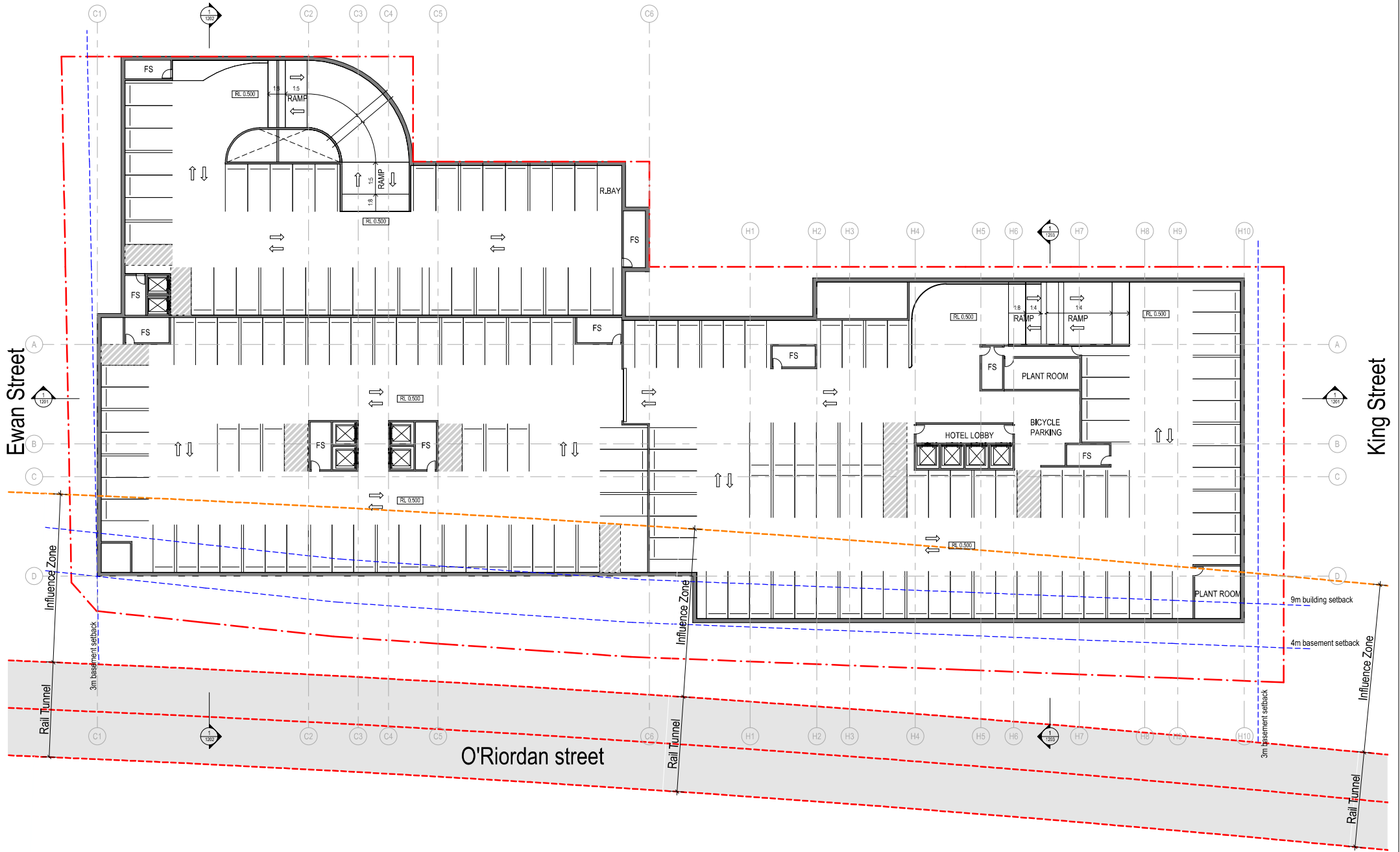


PROJECT  
OSMD  
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
GENERAL ARRANGEMENT  
PLAN\_BASEMENT LEVEL 3

FIRST ISSUE	06/26/18	SCALE @ A1	1:200
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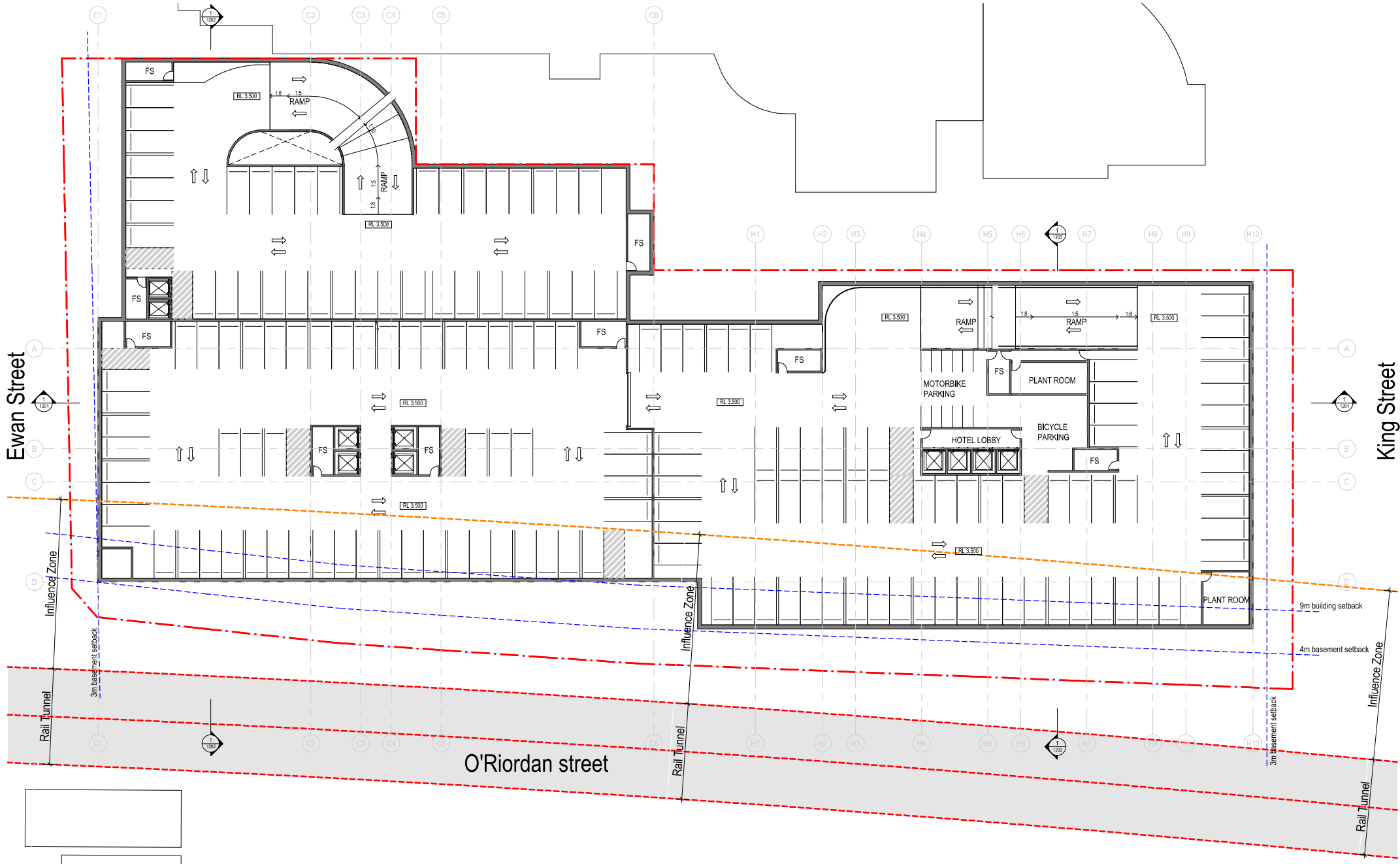
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OSMD  
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

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GENERAL ARRANGEMENT  
PLAN\_BASEMENT LEVEL 2

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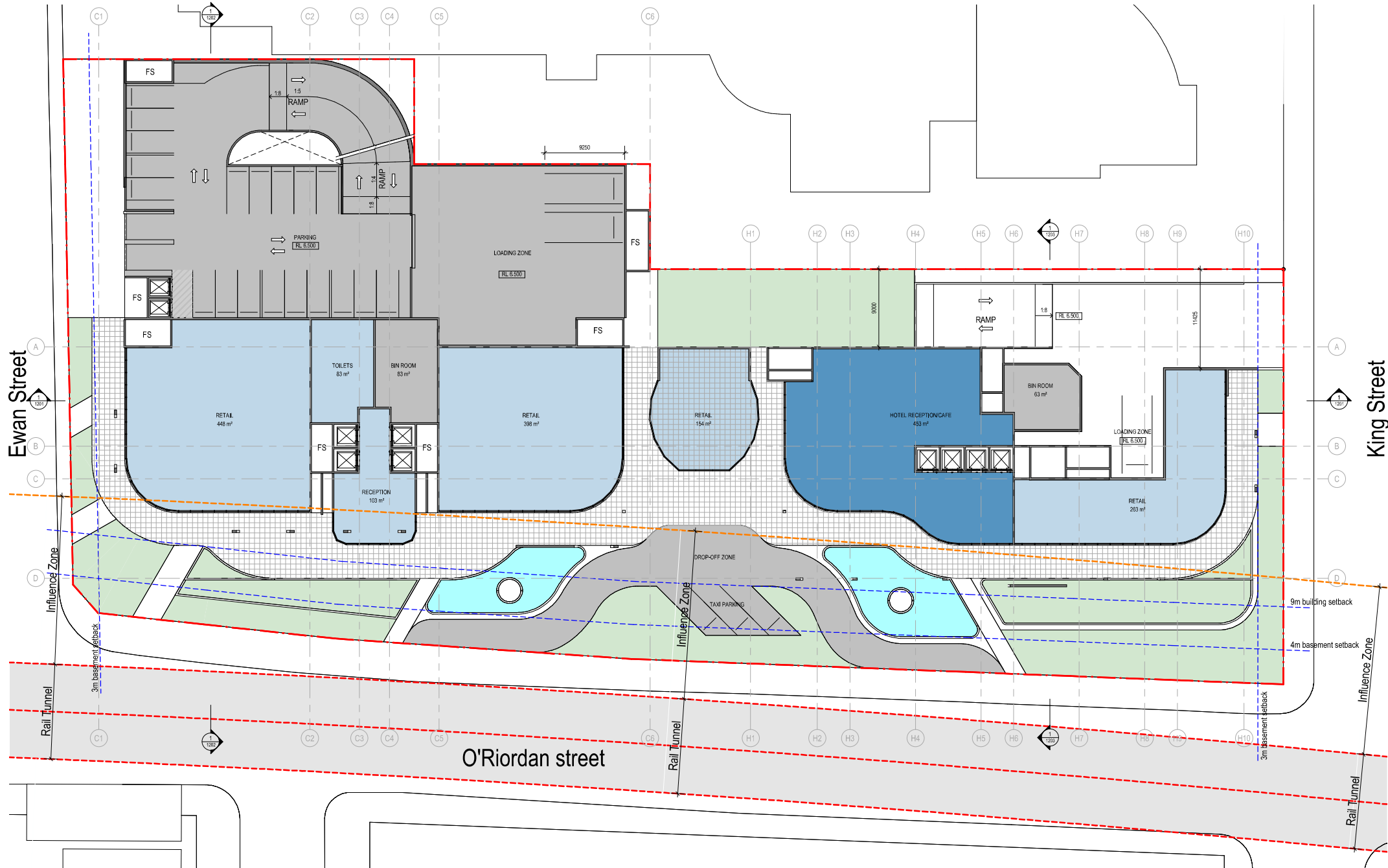


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GENERAL ARRANGEMENT  
PLAN\_BASEMENT LEVEL 1

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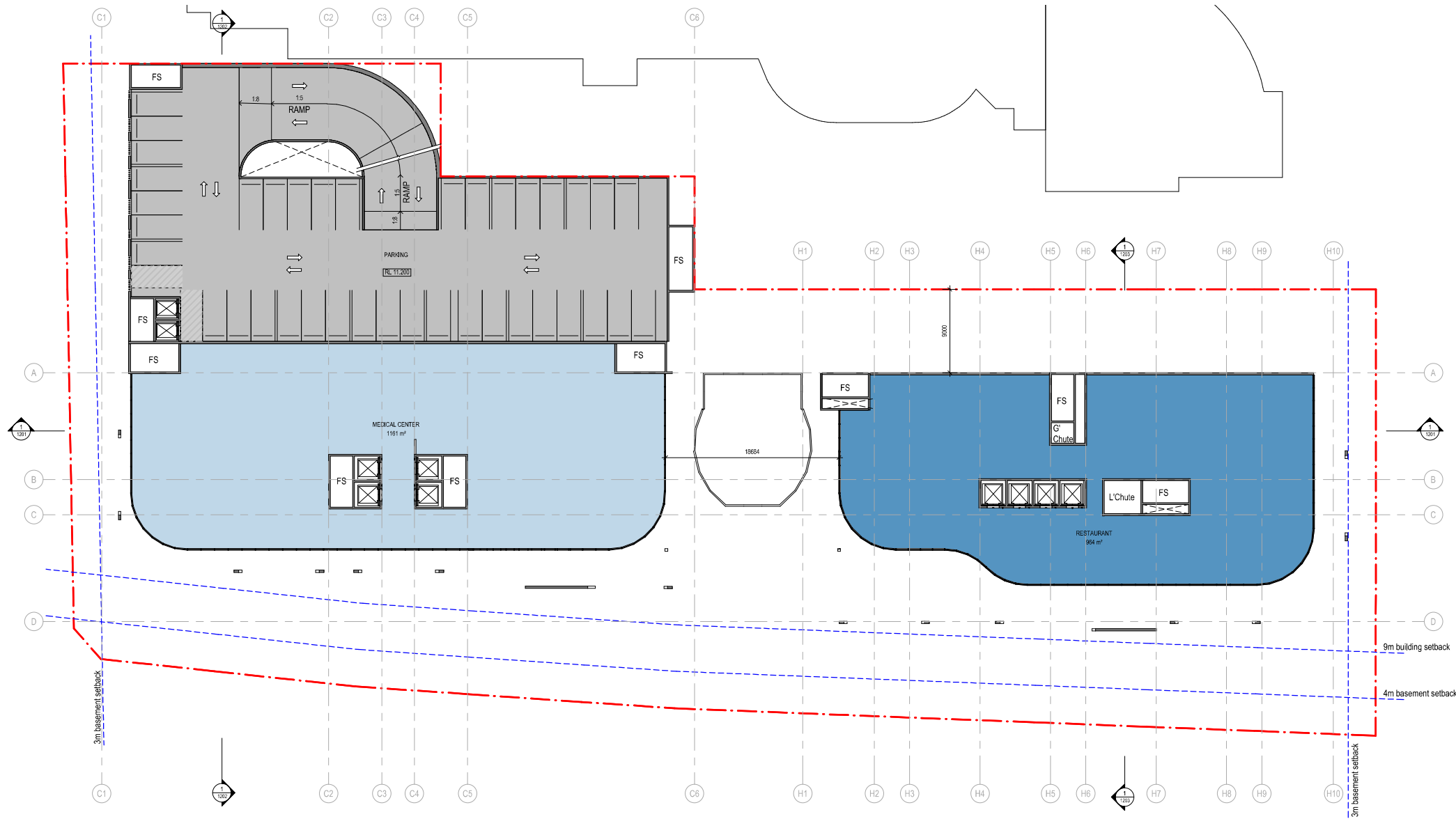


PROJECT  
**OSMD**  
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DRAWING TITLE  
**GENERAL ARRANGEMENT  
PLAN\_GROUND LEVEL**

FIRST ISSUE	SCALE @ A1
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YP	PO
PROJECT No	STAGE
17689	CD
DRAWING No	REVISION
AR-1004	D

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1 PLAN GA PLAN\_LEVEL 01  
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ISSUE  
**PRELIMINARY**

0 1 2 3 4 5



CLIENT  
**CORE ASSET GROUP**

**BRISBANE**  
Plaza Level, Mosaic  
826 Ann St  
Fortitude Valley QLD 4006  
T +61 7 3253 9900  
bne@modedesign.com.au  
ABN: 65 112 807 931

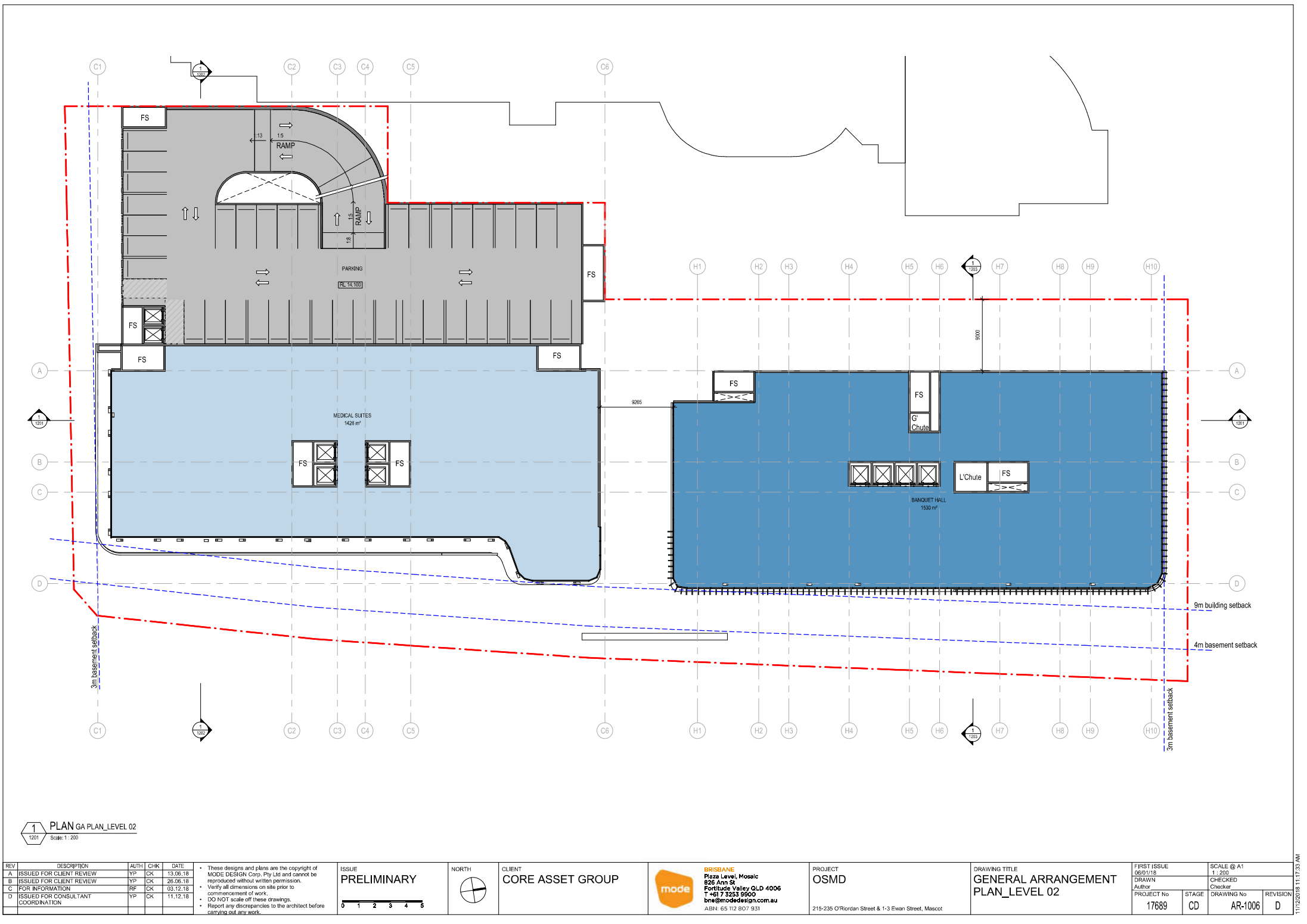
PROJECT  
**OSMD**

215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
**GENERAL ARRANGEMENT  
PLAN\_LEVEL 01**

PROJECT No	STAGE	DRAWING No	REVISION
17689	CD	AR-1005	D

11/12/2018 11:17:29 AM



REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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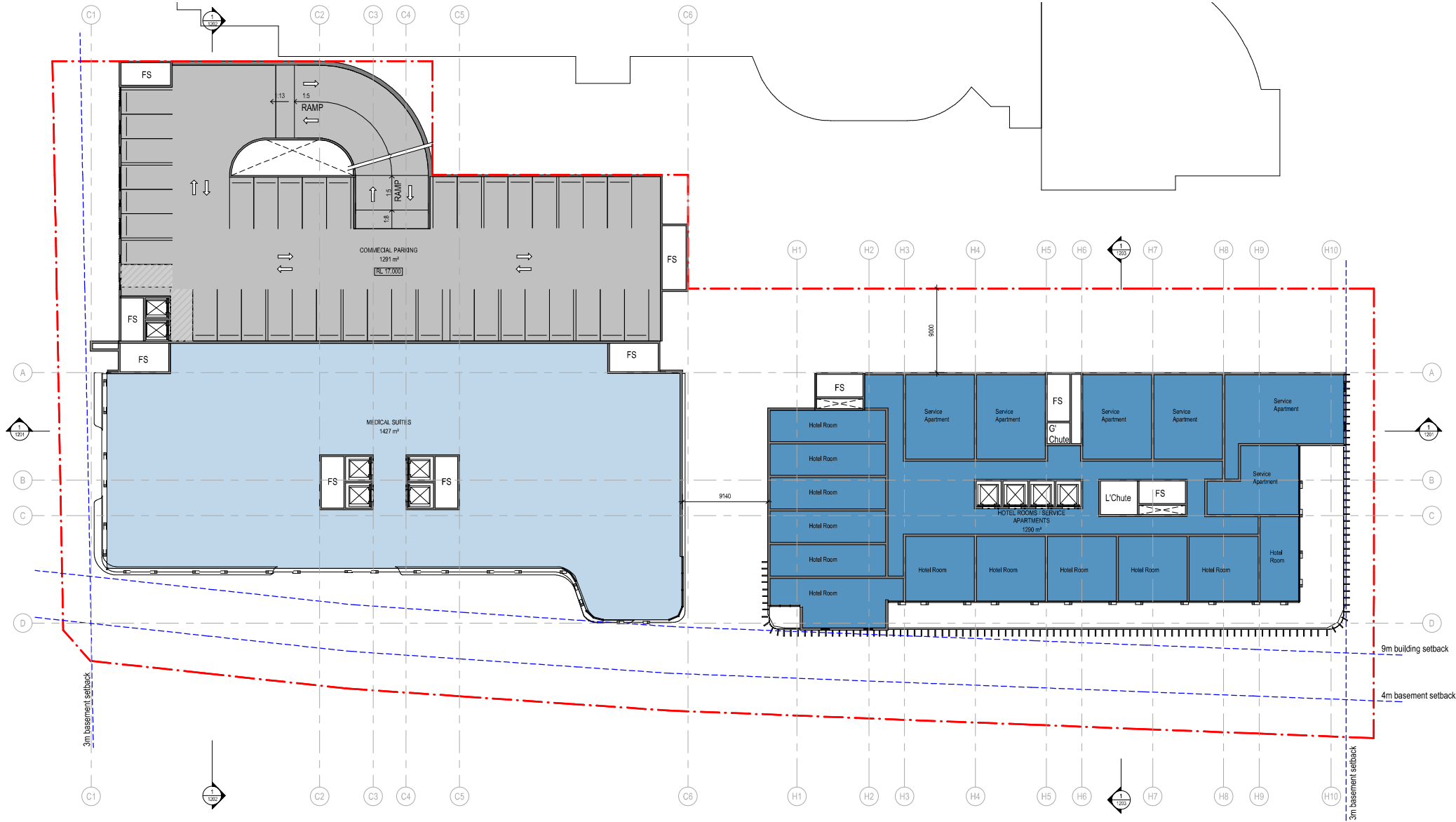
PROJECT  
OSMD

215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
GENERAL ARRANGEMENT  
PLAN\_LEVEL 02

FIRST ISSUE	06/01/18	SCALE @ A1	1:200
DRAWN	Author	CHECKED	Checker
PROJECT No	17689	STAGE	CD
DRAWING No	AR-1006	REVISION	D

11/12/2018 11:17:23 AM



1 PLAN GA PLAN\_LEVEL 03  
Scale: 1 : 200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE
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0 1 2 3 4 5



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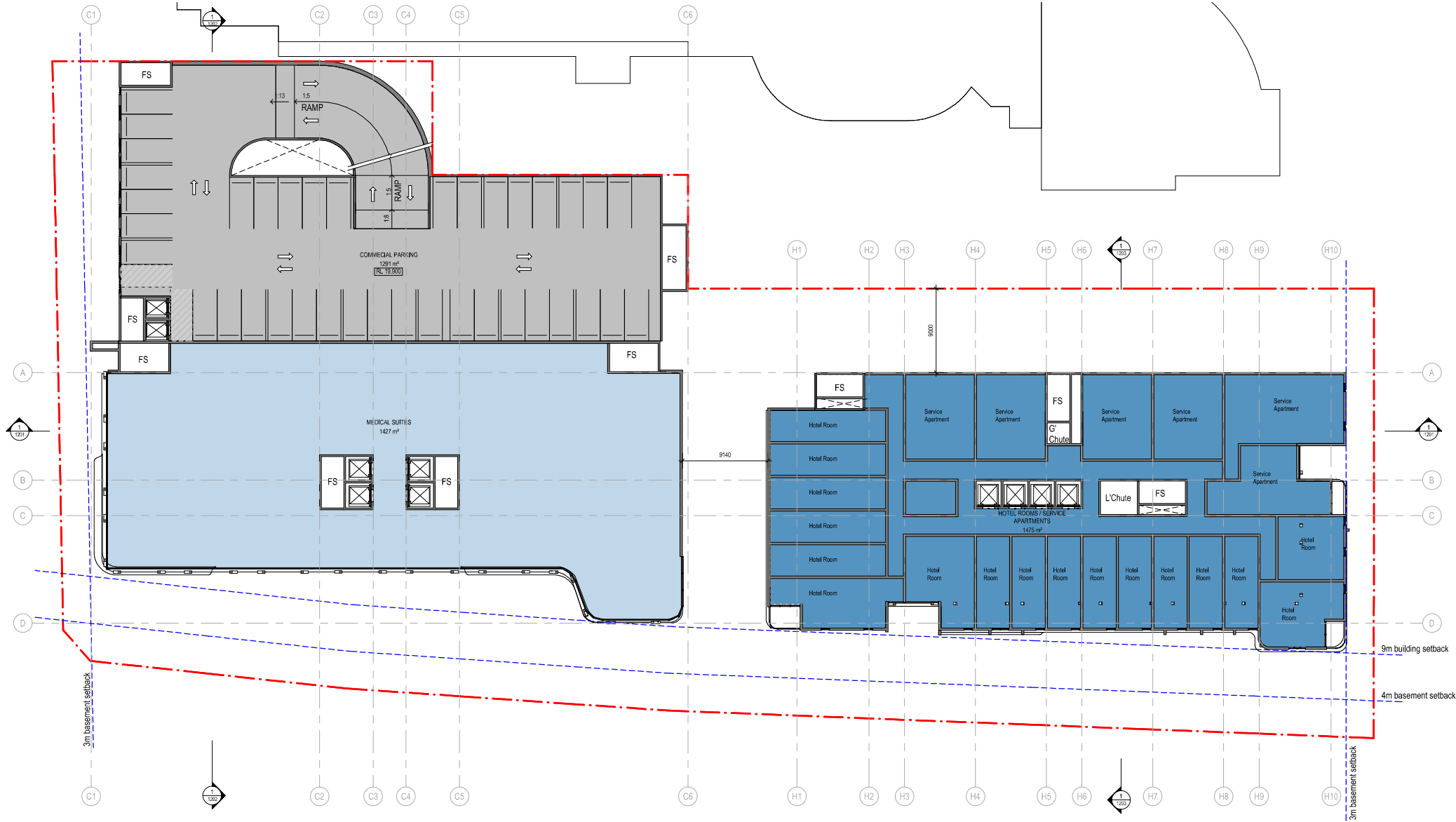


PROJECT  
OSMD  
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
GENERAL ARRANGEMENT  
PLAN\_LEVEL 03

FIRST ISSUE 06/12/18		SCALE @ A1 1 : 200	
DRAWN Author _____		CHECKED Checker _____	
PROJECT No 17689	STAGE CD	DRAWING No AR-1007	REVISION D

11/12/2018 11:17:27 AM



1 PLAN GA PLAN\_LEVEL 04  
Scale: 1 : 200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE	PRELIMINARY				
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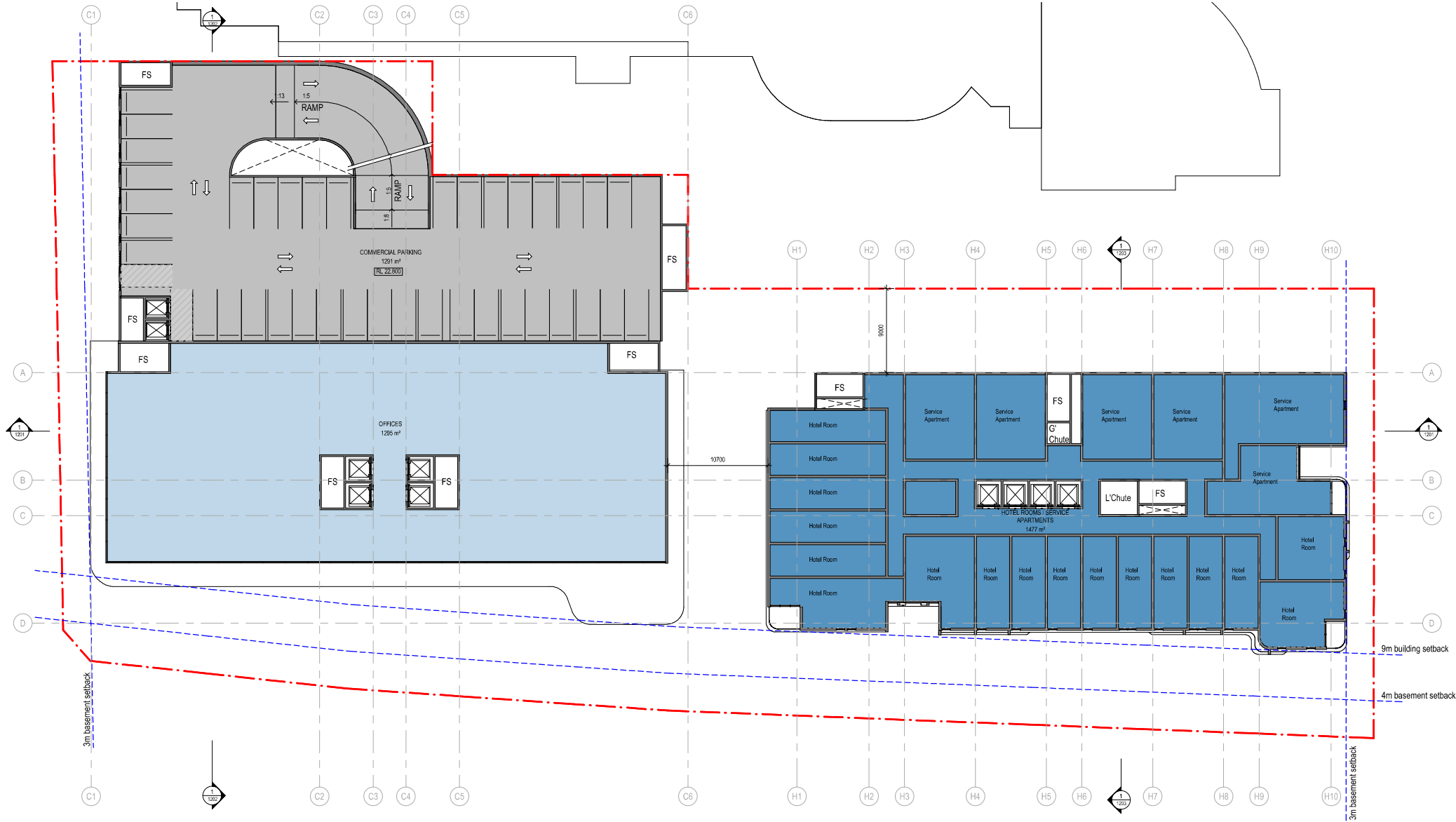


PROJECT	OSMD
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot	

DRAWING TITLE  
GENERAL ARRANGEMENT  
PLAN\_LEVEL 04

FIRST ISSUE	06/12/18	SCALE @ A1	1 : 200
DRAWN	Author	CHECKED	Checker
PROJECT No	17689	STAGE	CD
DRAWING No	AR-1008	REVISION	D

11/12/2018 11:17:41 AM



1 PLAN GA PLAN\_LEVEL 05  
1201 Scale 1:200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
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0 1 2 3 4 5



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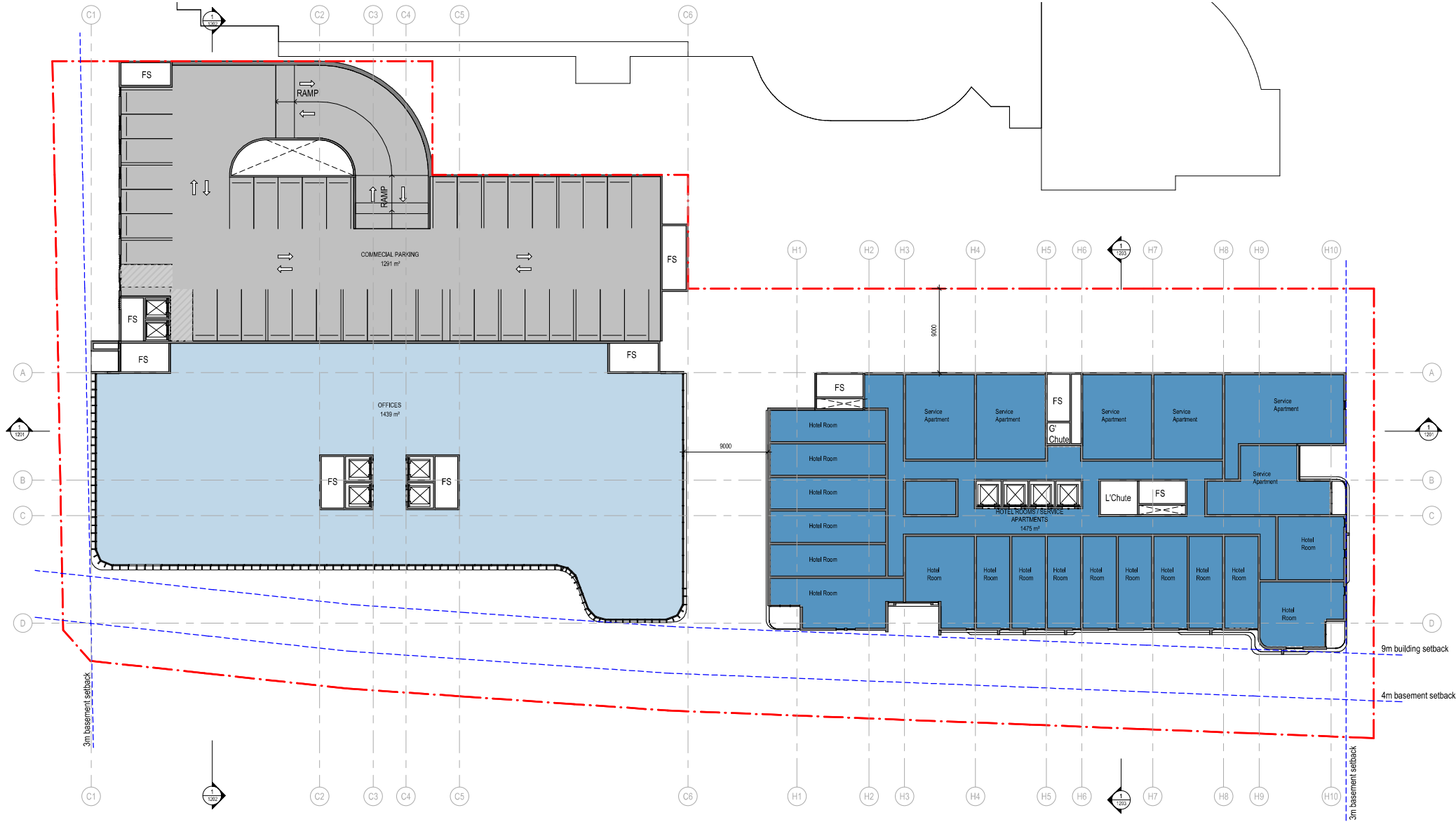


PROJECT  
OSMD  
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
GENERAL ARRANGEMENT  
PLAN\_LEVEL 05

FIRST ISSUE 06/12/18		SCALE @ A1 1 : 200	
DRAWN Author _____		CHECKED Checker _____	
PROJECT No 17689	STAGE CD	DRAWING No AR-1009	REVISION D

11/12/2018 11:17:46 AM



1 PLAN GA PLAN\_LEVEL 06  
1201 Scale: 1 : 200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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**PRELIMINARY**

0 1 2 3 4 5



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**CORE ASSET GROUP**



PROJECT  
**OSMD**

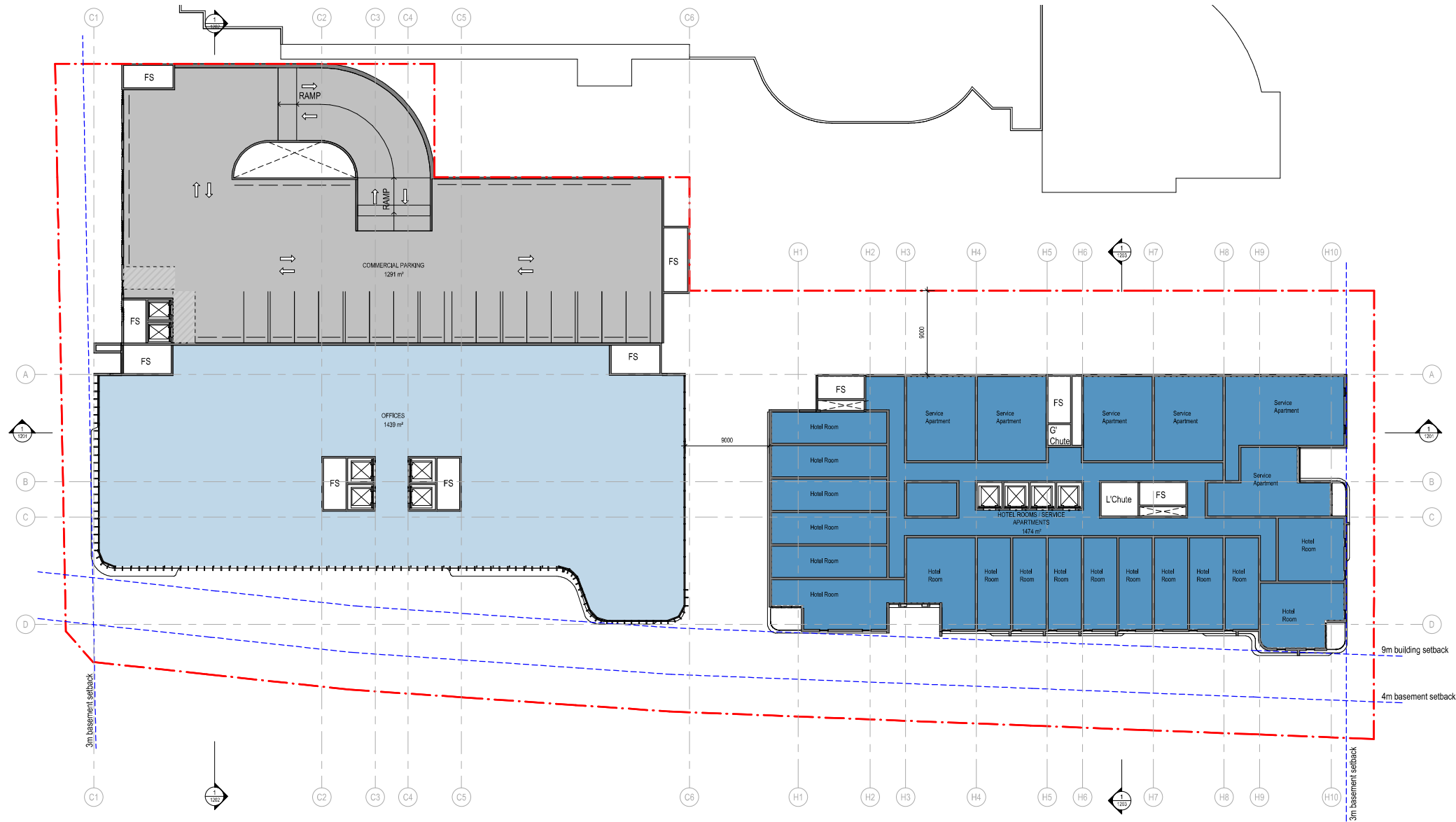
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
**GENERAL ARRANGEMENT  
PLAN\_LEVEL 06**

FIRST ISSUE 06/12/18 DRAWN Author	STAGE CD	SCALE @ A1 1 : 200 CHECKED Checker	REVISION D
PROJECT No 17689	DRAWING No AR-1010		

11/12/2018 11:17:50 AM





1 PLAN GA PLAN\_LEVEL 07  
Scale: 1:200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE  
**PRELIMINARY**

0 1 2 3 4 5



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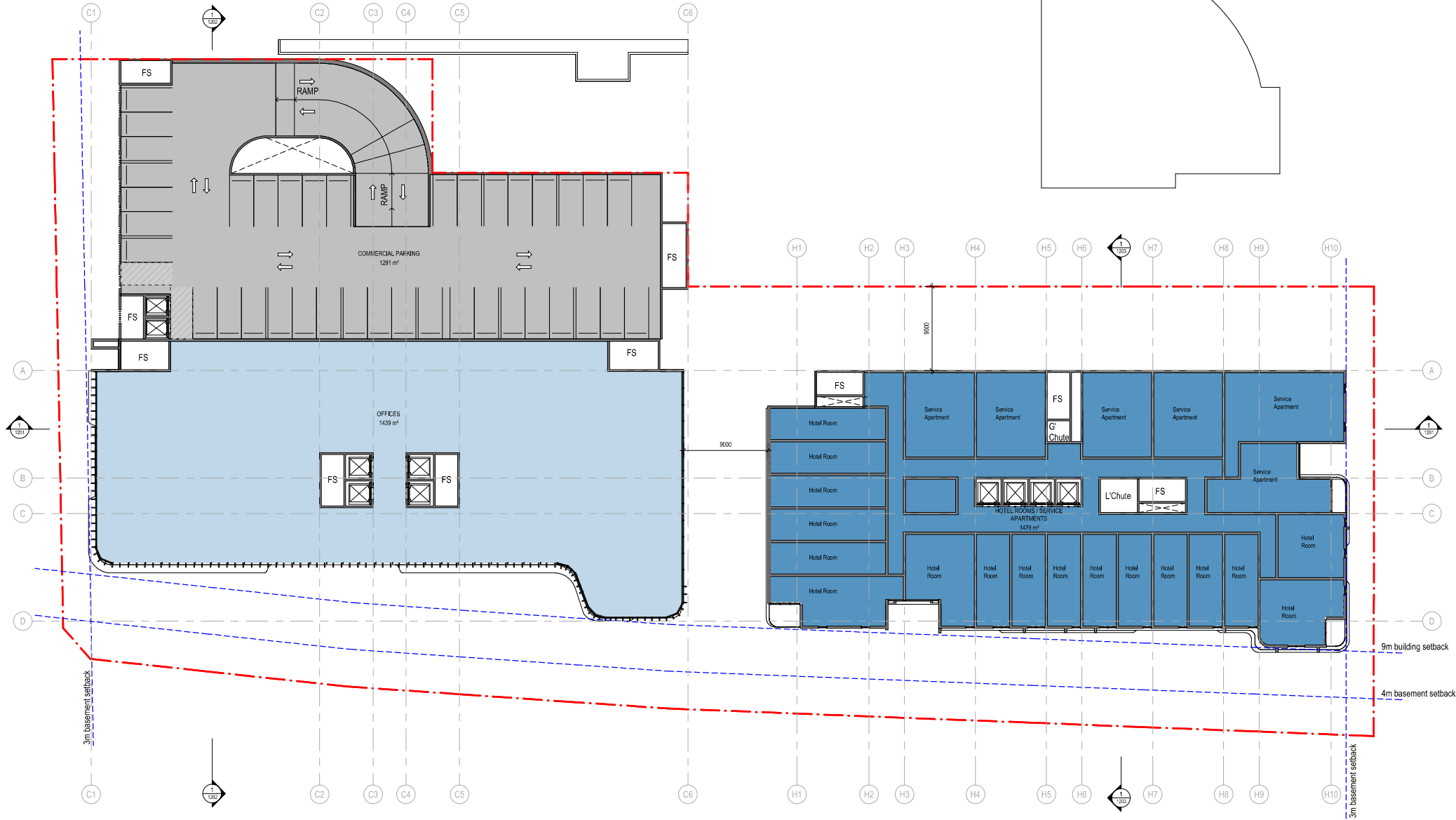
PROJECT  
**OSMD**

215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
**GENERAL ARRANGEMENT  
PLAN\_LEVEL 07**

PROJECT No	STAGE	DRAWING No	REVISION
17689	CD	AR-1011	D

11/12/2018 11:17:54 AM



1 PLAN GA PLAN\_LEVEL 08  
1201 Scale: 1: 200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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PRELIMINARY
0 1 2 3 4 5



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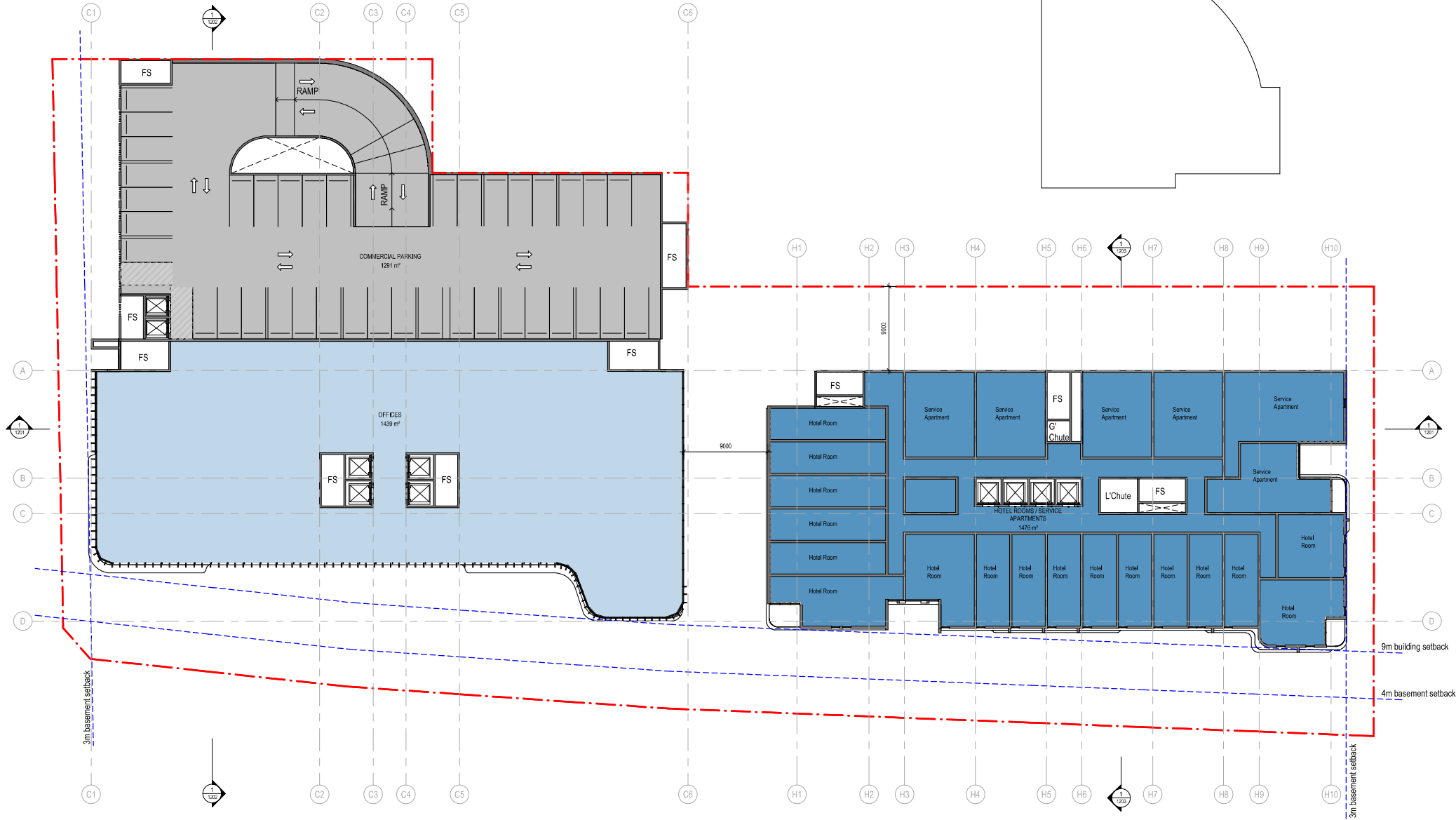


PROJECT  
OSMD  
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
GENERAL ARRANGEMENT  
PLAN\_LEVEL 08

FIRST ISSUE	SCALE @ A1
06/12/18	1: 200
DRAWN	CHECKED
Author	Checker
PROJECT No	STAGE
17689	CD
DRAWING No	REVISION
AR-1012	D

11/12/2018 11:17:56 AM



1 PLAN GA PLAN\_LEVEL 09  
1201 Scale: 1:200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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**PRELIMINARY**

0 1 2 3 4 5



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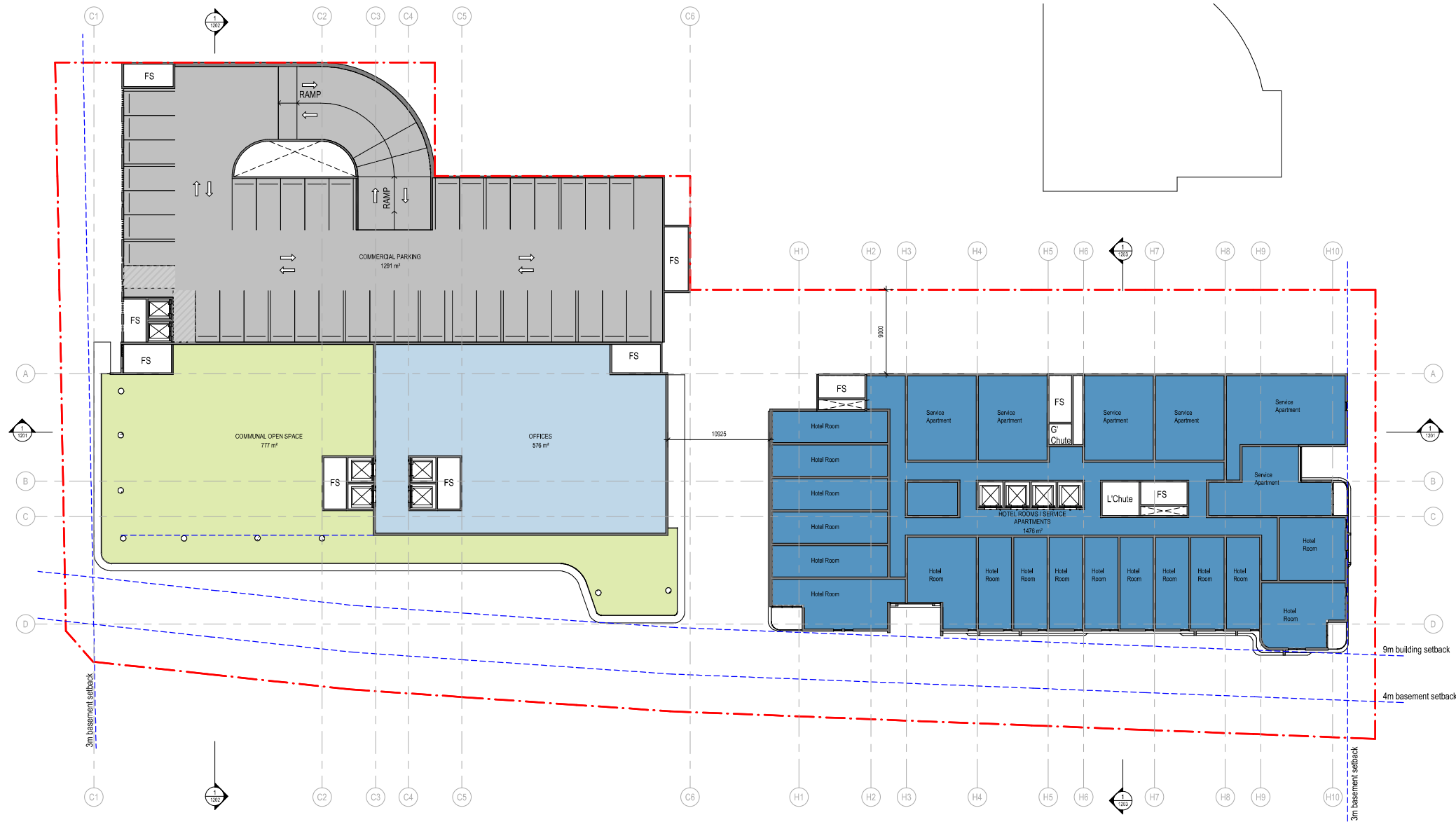
PROJECT  
**OSMD**

215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
**GENERAL ARRANGEMENT  
PLAN\_LEVEL 09**

FIRST ISSUE 06/12/18 DRAWN Author	STAGE CD	SCALE @ A1 1:200 CHECKED Checker	REVISION D
PROJECT No 17689		DRAWING No AR-1013	

11/12/2018 11:18:02 AM



1 PLAN GA PLAN\_LEVEL 10  
1201 Scale: 1:200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE	PRELIMINARY
0	1 2 3 4 5



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CORE ASSET GROUP

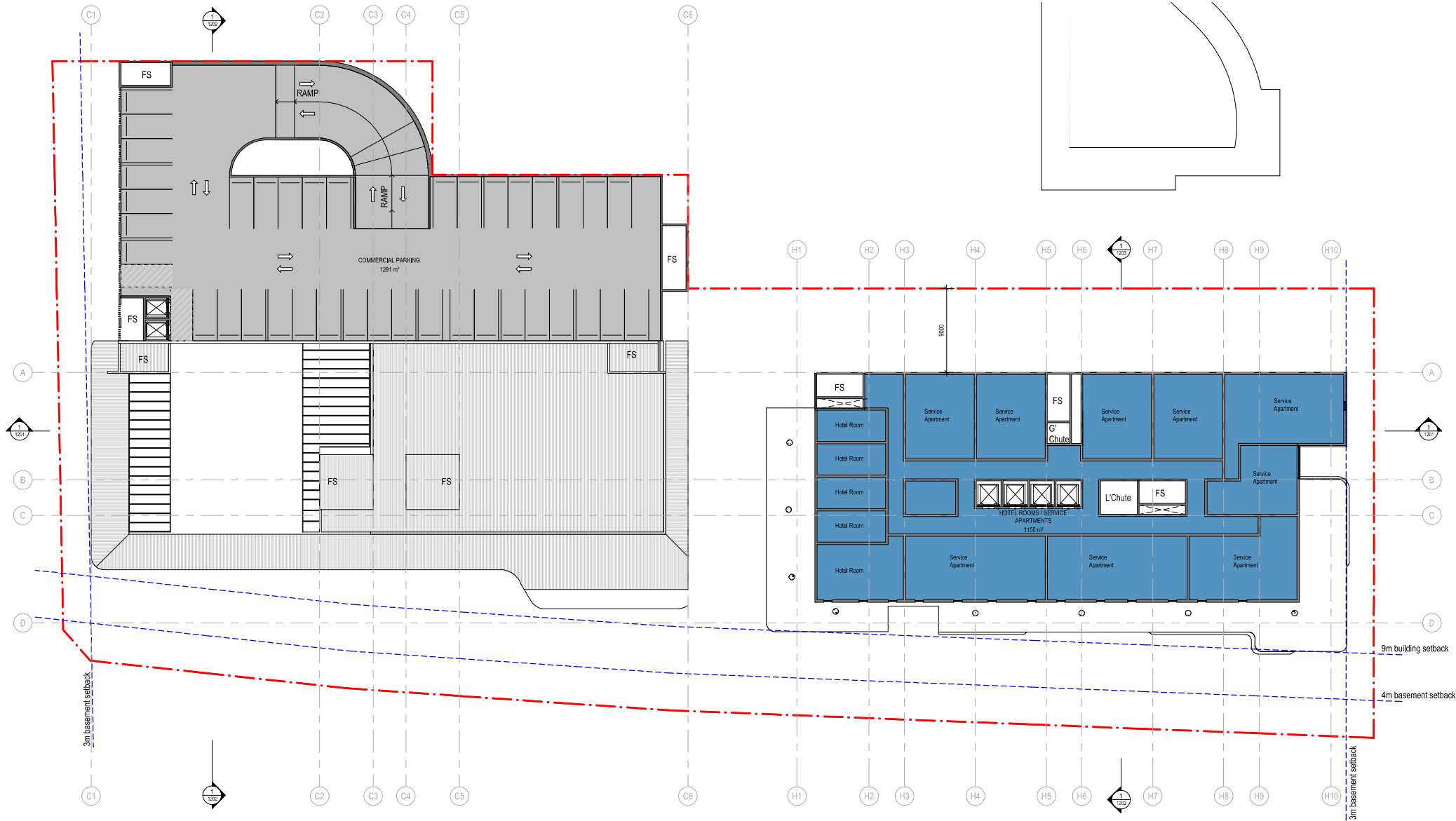


PROJECT  
OSMD  
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
GENERAL ARRANGEMENT  
PLAN\_LEVEL 10

FIRST ISSUE	06/12/18	SCALE @ A1	1:200
DRAWN	Author	CHECKED	Checker
PROJECT No	17689	STAGE	CD
DRAWING No	AR-1014	REVISION	D

11/12/2018 11:18:05 AM



1 PLAN GA PLAN\_LEVEL 11  
Scale: 1 : 200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE  
**PRELIMINARY**

0 1 2 3 4 5



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bne@modedesign.com.au  
ABN: 65 112 807 931

PROJECT  
**OSMD**

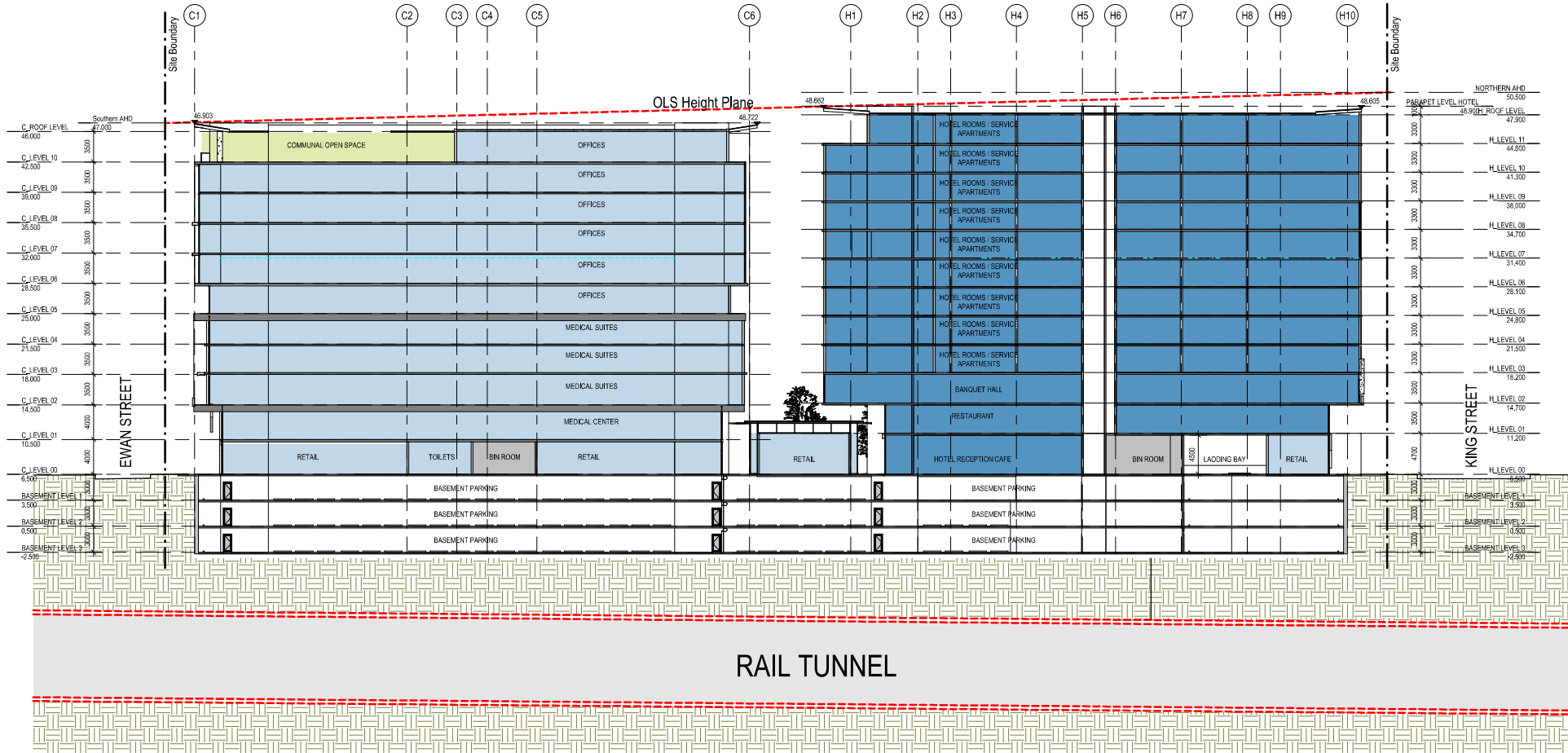
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
**GENERAL ARRANGEMENT  
PLAN\_LEVEL 11**

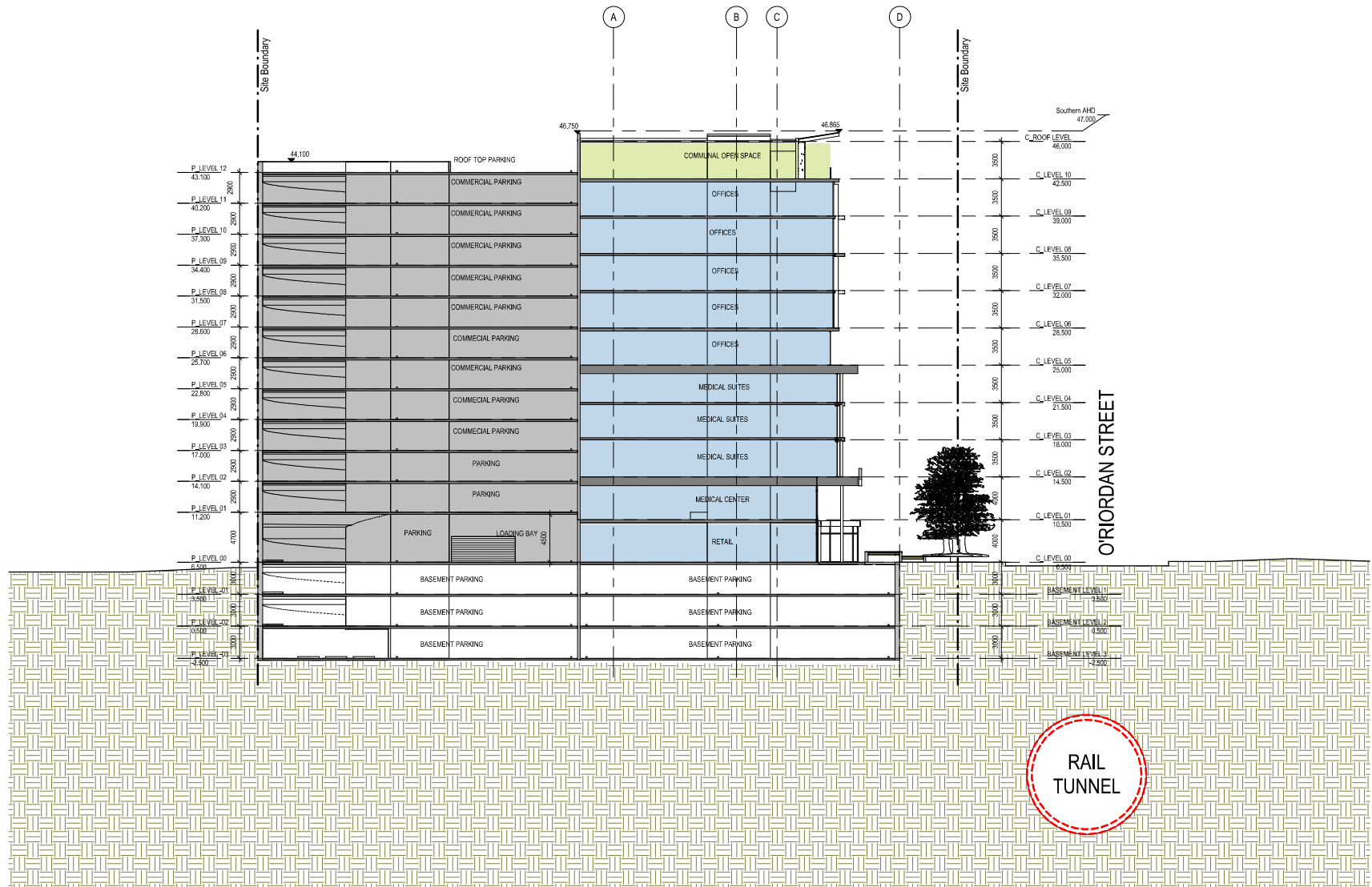
PROJECT No	STAGE	DRAWING No	REVISION
17689	CD	AR-1015	C

11/12/2018 11:18:10 AM





1 SECTION A-A  
0100 1:250

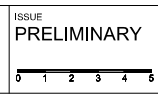


1 SECTION B-B  
0100 1:200

REV	DESCRIPTION	AUTH	CHK	DATE	ISSUE	NORTH	CLIENT	PROJECT	DRAWING TITLE	FIRST ISSUE	SCALE @ A1
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18	PRELIMINARY		CORE ASSET GROUP	OSMD	SECTION B-B	12/03/18	1:200
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18						DRAWN	CHECKED
C	FOR INFORMATION	RF	CK	03.12.18						Author	Checker
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18						PROJECT No	STAGE
								215-235 O'Riordan Street & 1-3 Ewan Street, Mascot		17689	CD
										DRAWING No	REVISION
										AR-1202	D

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ABN: 65 112 807 931

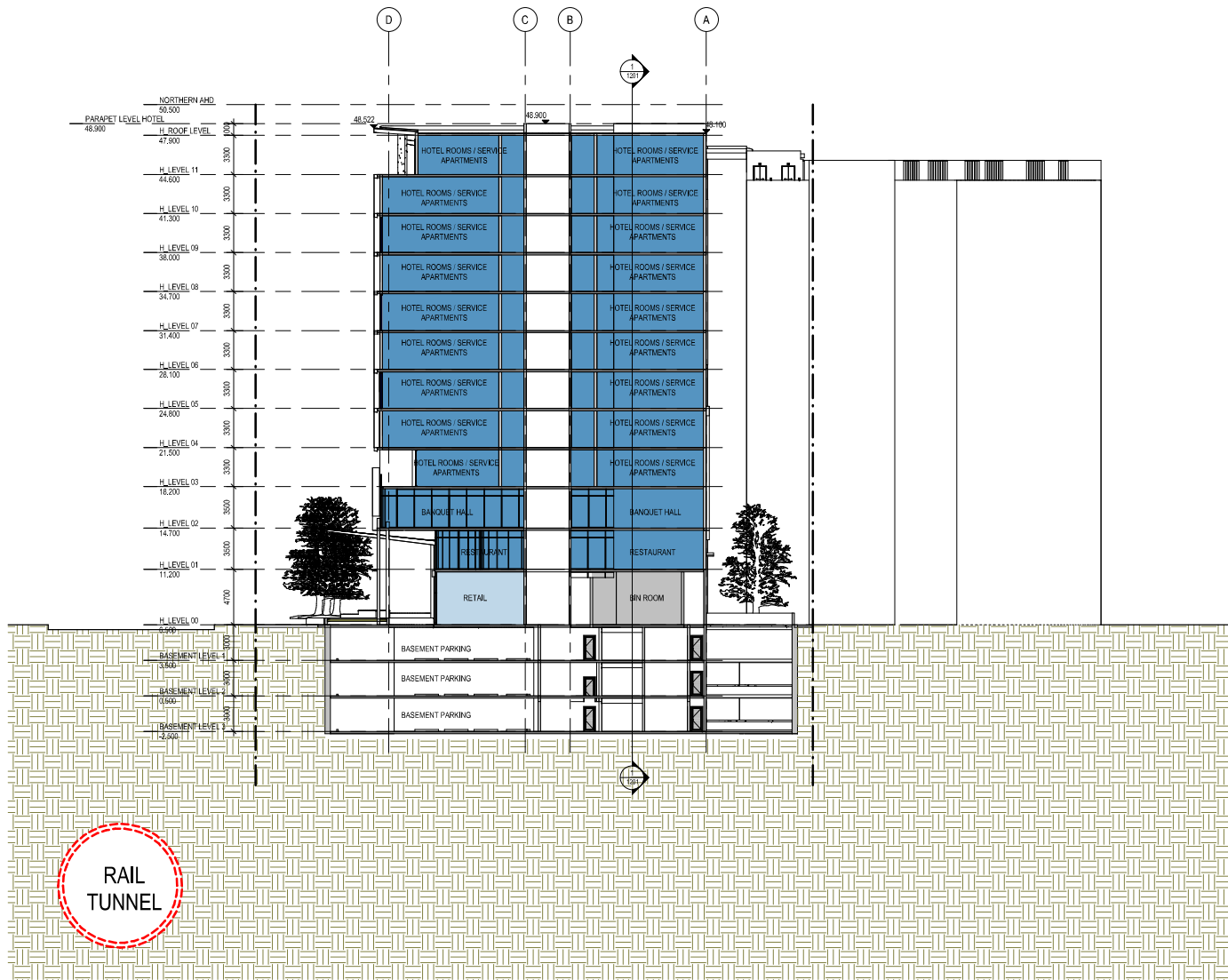
PROJECT  
OSMD

DRAWING TITLE  
SECTION B-B

17689	CD	AR-1202	D
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11/12/2018 11:18:26 AM





1 SECTION C-C  
0100 1:200

REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
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ISSUE  
**PRELIMINARY**

0 1 2 3 4 5



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PROJECT  
**OSMD**

215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
**SECTION C-C**

FIRST ISSUE	SCALE @ A1
12/03/18	1:200
DRAWN	CHECKED
Author	Checker
PROJECT No	STAGE
17689	CD
DRAWING No	REVISION
AR-1203	D

11/12/2018 11:18:29 AM



REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE
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0 1 2 3 4 5

NORTH

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Fortitude Valley QLD 4006  
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bne@modedesign.com.au  
ABN: 65 112 807 931

PROJECT
OSMD
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
3D View 1

FIRST ISSUE 06/01/18		SCALE @ A1	
DRAWN Author		CHECKED Checker	
PROJECT No	STAGE	DRAWING No	REVISION
17689	CD	AR-1301	D





REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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0 1 2 3 4 5

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826 Ann St  
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bne@modedesign.com.au  
ABN: 65 112 807 931

PROJECT
OSMD
215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE
3D View 2

FIRST ISSUE 06/01/18		SCALE @ A1	
DRAWN Author _____		CHECKED Checker _____	
PROJECT No 17689	STAGE CD	DRAWING No AR-1302	REVISION D





REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE  
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bne@modedesign.com.au  
ABN: 65 112 807 931

PROJECT  
**OSMD**

215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE		FIRST ISSUE		SCALE @ A1	
<b>3D View 3</b>		06/12/18			
		DRAWN	CHECKED		
		Author	Checker		
PROJECT No	STAGE	DRAWING No	REVISION		
17689	CD	AR-1303	D		





REV	DESCRIPTION	AUTH	CHK	DATE
A	ISSUED FOR CLIENT REVIEW	YP	CK	13.06.18
B	ISSUED FOR CLIENT REVIEW	YP	CK	26.06.18
C	FOR INFORMATION	RF	CK	03.12.18
D	ISSUED FOR CONSULTANT COORDINATION	YP	CK	11.12.18

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ISSUE  
**PRELIMINARY**

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ABN: 65 112 807 931

PROJECT  
**OSMD**

215-235 O'Riordan Street & 1-3 Ewan Street, Mascot

DRAWING TITLE  
**3D View 4**

FIRST ISSUE		SCALE @ A1	
12/11/18			
DRAWN		CHECKED	
Author		Checker	
PROJECT No	STAGE	DRAWING No	REVISION
17689	CD	AR-1304	D

ROOM SCHEDULE					
wtwt	Level	Area (m²)	Occupancy	Percentage	Comments
HOTEL RECEPTION/CAFE	H_LEVEL 00	453.20	HOTEL	1.08%	
RESTAURANT	H_LEVEL 01	963.68	HOTEL	2.30%	
BANQUET HALL	H_LEVEL 02	1529.78	HOTEL	3.66%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 03	1290.30	HOTEL	3.08%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 04	1474.86	HOTEL	3.52%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 05	1477.11	HOTEL	3.53%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 06	1474.97	HOTEL	3.52%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 07	1473.70	HOTEL	3.52%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 08	1475.72	HOTEL	3.53%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 09	1475.72	HOTEL	3.53%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 10	1475.72	HOTEL	3.53%	
HOTEL ROOMS / SERVICE APARTMENTS	H_LEVEL 11	1150.16	HOTEL	2.75%	
HOTEL		15714.90		37.55%	
COMMERCIAL PARKING	P_LEVEL 03	1291.24	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING	P_LEVEL 04	1291.35	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING	P_LEVEL 05	1291.33	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING	P_LEVEL 06	1291.19	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING	P_LEVEL 07	1291.30	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING	P_LEVEL 08	1291.35	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING	P_LEVEL 09	1291.35	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING	P_LEVEL 10	1291.25	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING	P_LEVEL 11	1291.33	COMMERCIAL PARKING	3.09%	
COMMERCIAL PARKING		11621.71		27.77%	
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RETAIL	C_LEVEL 00	448.01	COMMERCIAL	1.07%	
RETAIL	C_LEVEL 00	397.84	COMMERCIAL	0.95%	
TOILETS	C_LEVEL 00	82.64	COMMERCIAL	0.20%	
RETAIL	H_LEVEL 00	263.12	COMMERCIAL	0.63%	
RETAIL	H_LEVEL 00	153.88	COMMERCIAL	0.37%	
MEDICAL CENTER	C_LEVEL 01	1160.66	COMMERCIAL	2.77%	
MEDICAL SUITES	C_LEVEL 02	1426.37	COMMERCIAL	3.41%	
MEDICAL SUITES	C_LEVEL 03	1426.56	COMMERCIAL	3.41%	
MEDICAL SUITES	C_LEVEL 04	1426.56	COMMERCIAL	3.41%	
OFFICES	C_LEVEL 05	1295.24	COMMERCIAL	3.09%	
OFFICES	C_LEVEL 06	1438.89	COMMERCIAL	3.44%	
OFFICES	C_LEVEL 07	1438.89	COMMERCIAL	3.44%	
OFFICES	C_LEVEL 08	1438.89	COMMERCIAL	3.44%	
OFFICES	C_LEVEL 09	1438.89	COMMERCIAL	3.44%	
OFFICES	C_LEVEL 10	576.25	COMMERCIAL	1.38%	
COMMERCIAL		14515.26		34.68%	
Grand total: 37		41851.87		100.00%	

11/12/2018 11:25:09 AM

## **Lotsearch Environmental Risk and Planning Report**



# LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

**Date: 23 Oct 2018 13:12:25**

**Reference: LS004440 EP**

**Address: 215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020**

**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.



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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 confidence is given under the field heading "LocConf" or "Location Confidence".

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

## 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	Dept. Finance, Services & Innovation	23/10/2018	23/10/2018	Daily	-	-	-	-
Topographic Data	Dept. Finance, Services & Innovation	17/07/2018	17/07/2018	As required	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	17/10/2018	17/10/2018	Monthly	1000	0	1	11
Contaminated Land Records of Notice	Environment Protection Authority	10/10/2018	10/10/2018	Monthly	1000	0	1	3
Former Gasworks	Environment Protection Authority	04/10/2018	11/10/2017	Monthly	1000	0	0	0
National Waste Management Site Database	Geoscience Australia	07/08/2018	07/03/2017	Quarterly	1000	0	0	0
EPA PFAS Investigation Program	Environment Protection Authority	05/10/2018	05/10/2018	Monthly	2000	0	0	1
EPA Other Sites with Contamination Issues	Environment Protection Authority	11/01/2018	11/01/2018	As required	1000	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	03/10/2018	03/10/2018	Monthly	1000	0	2	5
Delicensed POEO Activities still Regulated by the EPA	Environment Protection Authority	03/10/2018	03/10/2018	Monthly	1000	0	0	6
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	03/10/2018	03/10/2018	Monthly	1000	0	1	10
UPSS Environmentally Sensitive Zones	Environment Protection Authority	14/04/2015	12/01/2010	As required	1000	1	1	1
UBD Business to Business Directory 1991 (Premise & Intersection Matches)	Hardie Grant			Not required	150	7	32	43
UBD Business to Business Directory 1991 (Road & Area Matches)	Hardie Grant			Not required	150	-	0	0
UBD Business to Business Directory 1986 (Premise & Intersection Matches)	Hardie Grant			Not required	150	26	103	139
UBD Business to Business Directory 1986 (Road & Area Matches)	Hardie Grant			Not required	150	-	8	8
UBD Business Directory 1982 (Premise & Intersection Matches)	Hardie Grant			Not required	150	19	61	91
UBD Business Directory 1982 (Road & Area Matches)	Hardie Grant			Not required	150	-	10	10
UBD Business Directory 1978 (Premise & Intersection Matches)	Hardie Grant			Not required	150	25	96	134
UBD Business Directory 1978 (Road & Area Matches)	Hardie Grant			Not required	150	-	7	7
UBD Business Directory 1975 (Premise & Intersection Matches)	Hardie Grant			Not required	150	28	100	138
UBD Business Directory 1975 (Road & Area Matches)	Hardie Grant			Not required	150	-	1	1
UBD Business Directory 1970 (Premise & Intersection Matches)	Hardie Grant			Not required	150	20	80	115
UBD Business Directory 1970 (Road & Area Matches)	Hardie Grant			Not required	150	-	0	1
UBD Business Directory 1965 (Premise & Intersection Matches)	Hardie Grant			Not required	150	14	60	88
UBD Business Directory 1965 (Road & Area Matches)	Hardie Grant			Not required	150	-	9	14
UBD Business Directory 1961 (Premise & Intersection Matches)	Hardie Grant			Not required	150	11	36	47
UBD Business Directory 1961 (Road & Area Matches)	Hardie Grant			Not required	150	-	21	27
UBD Business Directory 1950 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	4	12
UBD Business Directory 1950 (Road & Area Matches)	Hardie Grant			Not required	150	-	45	45

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500	0	19	31
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500	-	6	12
Points of Interest	Dept. Finance, Services & Innovation	12/10/2018	12/10/2018	Quarterly	1000	0	0	36
Tanks (Areas)	Dept. Finance, Services & Innovation	15/10/2018	15/10/2018	Quarterly	1000	0	0	0
Tanks (Points)	Dept. Finance, Services & Innovation	15/10/2018	15/10/2018	Quarterly	1000	0	0	0
Major Easements	Dept. Finance, Services & Innovation	12/10/2018	12/10/2018	Quarterly	1000	0	0	6
State Forest	Dept. Finance, Services & Innovation	18/01/2018	18/01/2018	As required	1000	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	18/01/2018	30/09/2017	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
Botany Groundwater Management Zones	NSW Department of Primary Industries	15/03/2018	01/10/2005	As required	1000	1	1	1
Groundwater Boreholes	NSW Dept. of Primary Industries - Water NSW; Commonwealth of Australia (Bureau of Meteorology)	24/07/2018	23/07/2018	Annually	2000	0	56	307
Geological Units 1:100,000	NSW Dept. of Industry, Resources & Energy	20/08/2014		None planned	1000	1	-	3
Geological Structures 1:100,000	NSW Dept. of Industry, Resources & Energy	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
Soil Landscapes	NSW Office of Environment & Heritage	12/08/2014		None planned	1000	1	-	2
Atlas of Australian Soils	CSIRO	19/05/2017	17/02/2011	As required	1000	1	1	1
Standard Local Environmental Plan Acid Sulfate Soils	NSW Planning and Environment	07/10/2016	07/10/2016	As required	500	1	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000	1	1	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 Office of Environment & Heritage	12/05/2017	01/01/2002	None planned	1000	-	-	-
Mining Subsidence Districts	Dept. Finance, Services & Innovation	13/07/2017	01/07/2017	As required	1000	0	0	0
SEPP 14 - Coastal Wetlands	NSW Planning and Environment	17/12/2015	24/10/2008	Annually	1000	0	0	0
SEPP 26 - Littoral Rainforest	NSW Planning and Environment	17/12/2015	05/02/1988	Annually	1000	0	0	0
SEPP 71 - Coastal Protection	NSW Planning and Environment	17/12/2015	01/08/2003	Annually	1000	0	0	0
SEPP Major Developments 2005	NSW Planning and Environment	09/03/2013	25/05/2005	Under Review	1000	0	0	0
SEPP Strategic Land Use Areas	NSW Planning and Environment	01/08/2017	28/01/2014	Annually	1000	0	0	0
LEP - Land Zoning	NSW Planning and Environment	23/07/2018	29/06/2018	Quarterly	1000	1	6	61
LEP - Minimum Subdivision Lot Size	NSW Planning and Environment	23/07/2018	13/07/2018	Quarterly	0	0	-	-
LEP - Height of Building	NSW Planning and Environment	09/08/2018	22/06/2018	Quarterly	0	1	-	-
LEP - Floor Space Ratio	NSW Planning and Environment	23/07/2018	06/07/2018	Quarterly	0	1	-	-
LEP - Land Application	NSW Planning and Environment	23/07/2018	29/06/2018	Quarterly	0	1	-	-
LEP - Land Reservation Acquisition	NSW Planning and Environment	23/07/2018	13/07/2018	Quarterly	0	0	-	-
State Heritage Register - Curtilages	NSW Office of Environment & Heritage	18/10/2018	19/01/2018	Quarterly	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
Environmental Planning Instrument - Heritage	NSW Planning and Environment	10/09/2018	27/07/2018	Quarterly	1000	0	2	52
Bush Fire Prone Land	NSW Rural Fire Service	08/08/2018	31/07/2018	Quarterly	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	4
RAMSAR Wetlands	Commonwealth of Australia Department of 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	16/10/2018	16/10/2018	Daily	10000	-	-	-

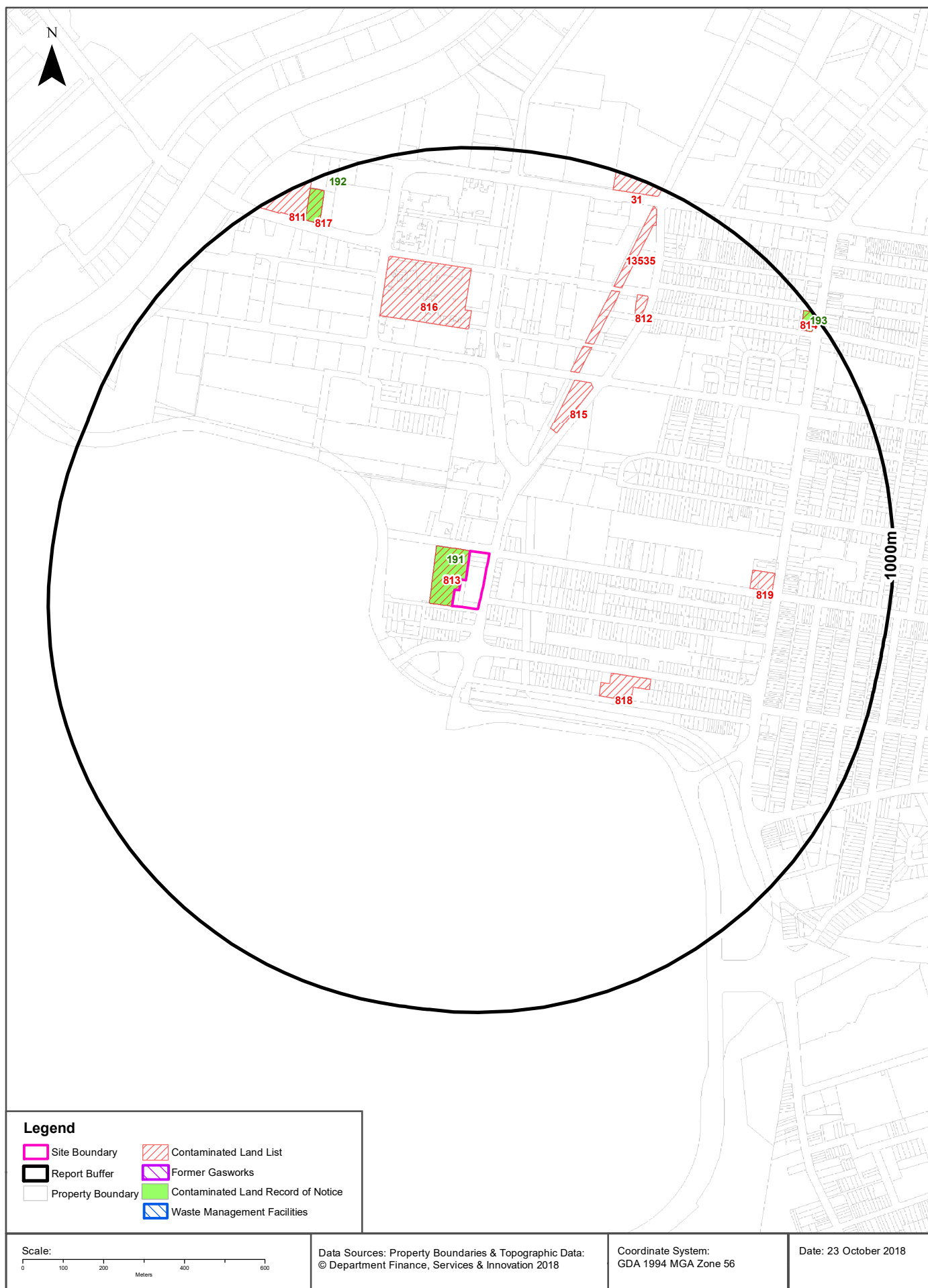


# Aerial Imagery 2017

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



**215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020**





## Contaminated Land & Waste Management Facilities

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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
813	Former Mascot Galvanising	336-348 King Street	Mascot	Metal Industry	Contamination currently regulated under CLM Act	Current EPA List	Premise Match	0m	West
815	Former Zinc Smelter and Paint Manufacturing Facility	163 O'Riordan Street	Mascot	Metal Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	342m	North East
818	Sokol Corporation	50-56 Robey Street	Mascot	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	353m	South East
13535	Linear Park	Lot 2, 3, 4 & 5 in DP 85917	MASCOT	Landfill	Regulation under CLM Act not required	Current EPA List	Premise Match	495m	North East
816	Ing Industrial Fund (unoccupied Land and General Parking)	19-33 Kent Road	Mascot	Landfill	Regulation under CLM Act not required	Current EPA List	Premise Match	550m	North
819	Telstra Exchange	904-922 Botany Road	Mascot	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	649m	East
812	Caltex Service Station	125 O'Riordan Street	Mascot	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	694m	North East
817	Mascot Pioneer Plating	25-29 Ricketty Street	Mascot	Metal Industry	Contamination currently regulated under CLM Act	Current EPA List	Premise Match	893m	North West
811	Heritage Business Centre	5-9 Ricketty Street	Mascot	Unclassified	Regulation under CLM Act not required	Current EPA List	Premise Match	917m	North West
814	Former Shell Service Station Mascot	746 Botany Road	Mascot	Service Station	Contamination currently regulated under CLM Act	Current EPA List	Premise Match	950m	North East
31	Mascot Developments	494-504 Gardeners Road	Alexandria	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	953m	North

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.

EPA site management class	Explanation
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.
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 & Waste Management Facilities

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
191	Former Mascot Galvanising	336-348 King Street	Mascot	5 current and 2 former	3125	Premise Match	0m	West
192	Mascot Pioneer Plating	25-29 Ricketty Street	Mascot	1 current	3347	Premise Match	893m	North West
193	Former Shell Service Station Mascot	746 Botany Road	Mascot	6 current and 1 former	3192	Premise Match	950m	North East

Contaminated Land Records of Notice Data Source: Environment Protection Authority

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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

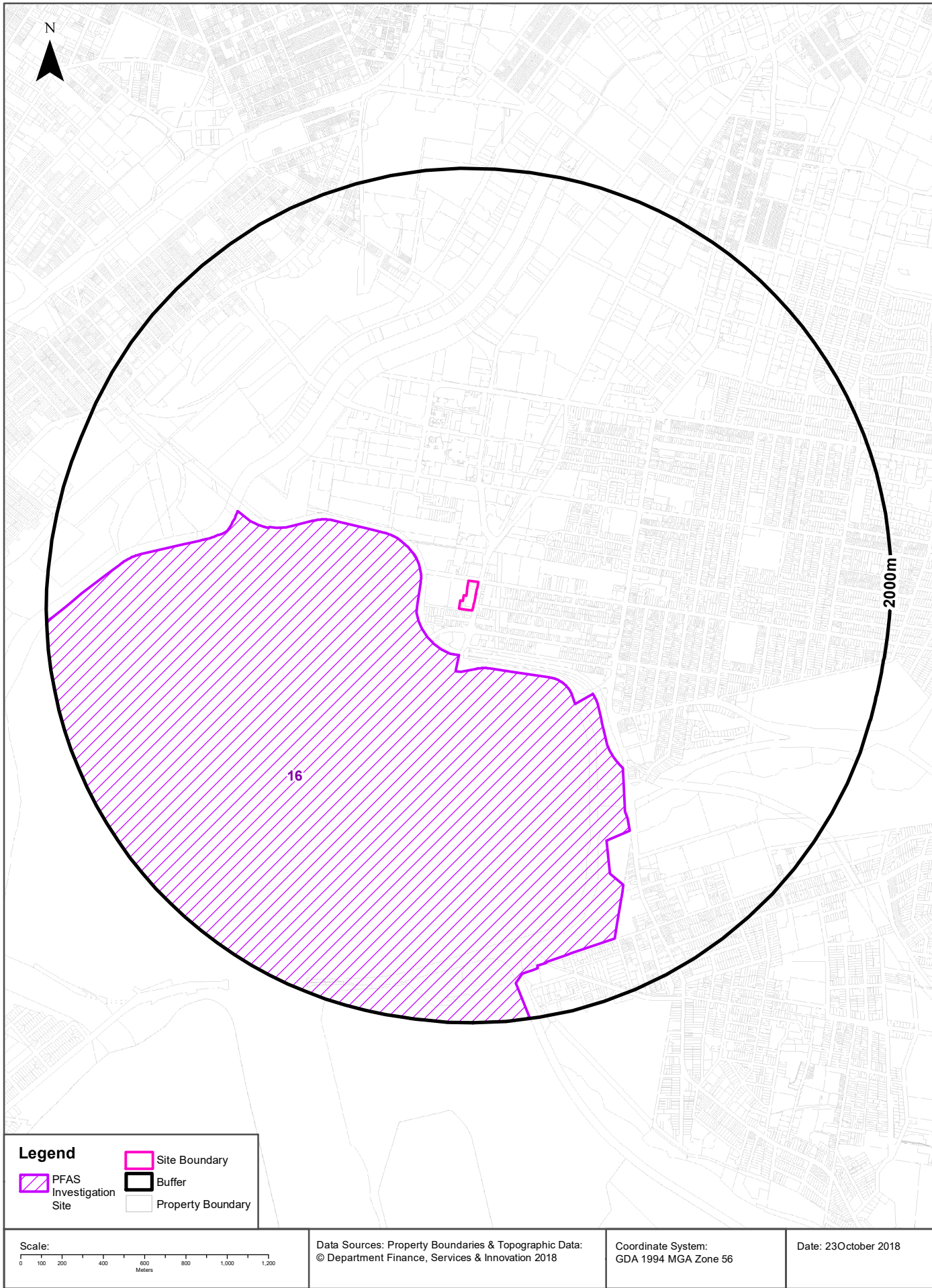
### National Waste Management Site Database

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

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## EPA PFAS Investigation Program

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## EPA PFAS Investigation Program

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

Id	Site	Address	Location Confidence	Distance	Direction
16	Botany Bay area & Georges River	Botany Bay area & Georges River	General Area/ Suburb Match	203m	South

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

## EPA Other Sites with Contamination Issues

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### EPA Other Sites with Contamination Issues

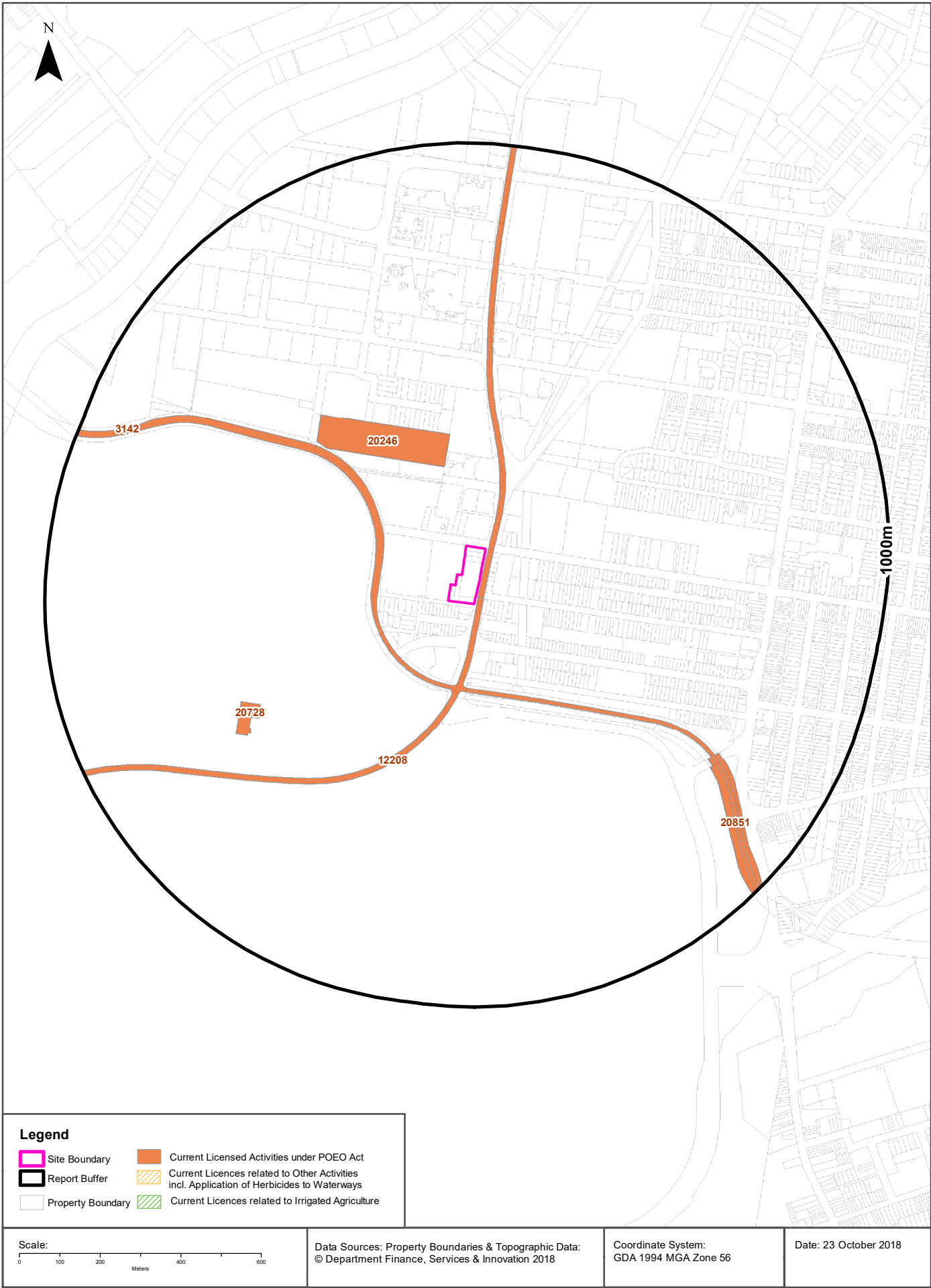
This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill

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  
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## EPA Activities

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 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
12208	SYDNEY TRAINS		PO BOX K349, HAYMARKET, NSW 1238		Railway systems activities	Road Match	3m	West
3142	AUSTRALIAN RAIL TRACK CORPORATION LIMITED		GPO BOX 14, SYDNEY, NSW 2001		Railway systems activities	Network of Features	4m	West
20246	ENWAVE MASCOT PTY LTD	GridX Power Pty Ltd	10 Bourke Road	MASCOT	Generation of electrical power from gas	Premise Match	203m	North West
20728	ENWAVE MASCOT PTY LTD		Shiers Avenue, MASCOT, NSW 2020	MASCOT, NSW 2020	Generation of Electrical Power from Gas	Premise Match	532m	South West
20851	JOHN HOLLAND PTY LTD		Port Botany Freight Rail Corridor at General Holmes Dr, MASCOT, NSW 2020		Railway systems activities	Road Match	694m	South East

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

# Delicensed & Former Licensed EPA Activities 215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





## EPA Activities

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 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
7288	SYDNEY AIRPORT CORPORATION LIMITED	SYDNEY AIRPORT	241 O'Riordan STREET	MASCOT	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	203m	South West
12152	QANTAS AIRWAYS LIMITED	Qantas Jet Base	Sydney Airport	MASCOT	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	203m	South West
12590	QANTAS FLIGHT CATERING LIMITED	Qantas Flight Catering Centre	Qantas Jet Base (Kingsford Smith)	MASCOT	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	203m	North West
7473	EATON ELECTRIC SYSTEMS PTY LTD	EATON ELECTRIC SYSTEMS PTY LTD	10 KENT ROAD	MASCOT	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	820m	North
11844	HY-TEC INDUSTRIES PTY LTD	HY-TEC INDUSTRIES PTY LTD	296 COWARD STREET	MASCOT	Concrete works	Premise Match	888m	North West
487	GOODMAN FIELDER CONSUMER FOODS PTY LIMITED	GOODMAN FIELDER COMMERCIAL	198 Bourke Road	MASCOT	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	940m	North

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
6728	INDUSTRIAL GALVANIZERS CORPORATION PTY LTD	342 KING STREET, MASCOT, NSW 2020	Surrendered	30/08/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	0m	West
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered		Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	464m	-
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered		Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	464m	-
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered		Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	464m	-
10332	GATE GOURMET AUSTRALIA PTY LTD	KEITH SMITH AVE & SIXTH ST, MASCOT, NSW 2020	Revoked	11/01/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Road Intersection	576m	South West



Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
11206	EMILY SULLIVAN	7 CHURCH AVENUE, MASCOT, NSW 2020	Surrendered	23/08/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	597m	North
7245	PLATING 'R US PTY LTD	25-29 RICKETTY STREET, MASCOT, NSW 2020	Surrendered	26/06/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	893m	North West
6941	FUJI XEROX AUSTRALIA PTY. LIMITED	546 GARDENERS ROAD, ALEXANDRIA, NSW 2015	Surrendered	26/06/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	951m	North
4729	Q CATERING RIVERSIDE PTY LIMITED	300 COWARD STREET, MASCOT, NSW 2020	Surrendered	22/12/2000	Non-thermal treatment of hazardous and other waste; Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	Premise Match	972m	North West
2009	SIMS GROUP AUSTRALIA HOLDINGS LIMITED	283 COWARD STREET, MASCOT, NSW 2020	Surrendered	02/02/2000	Hazardous, Industrial or Group A Waste Generation or Storage; Scrap metal processing	Premise Match	991m	North West

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

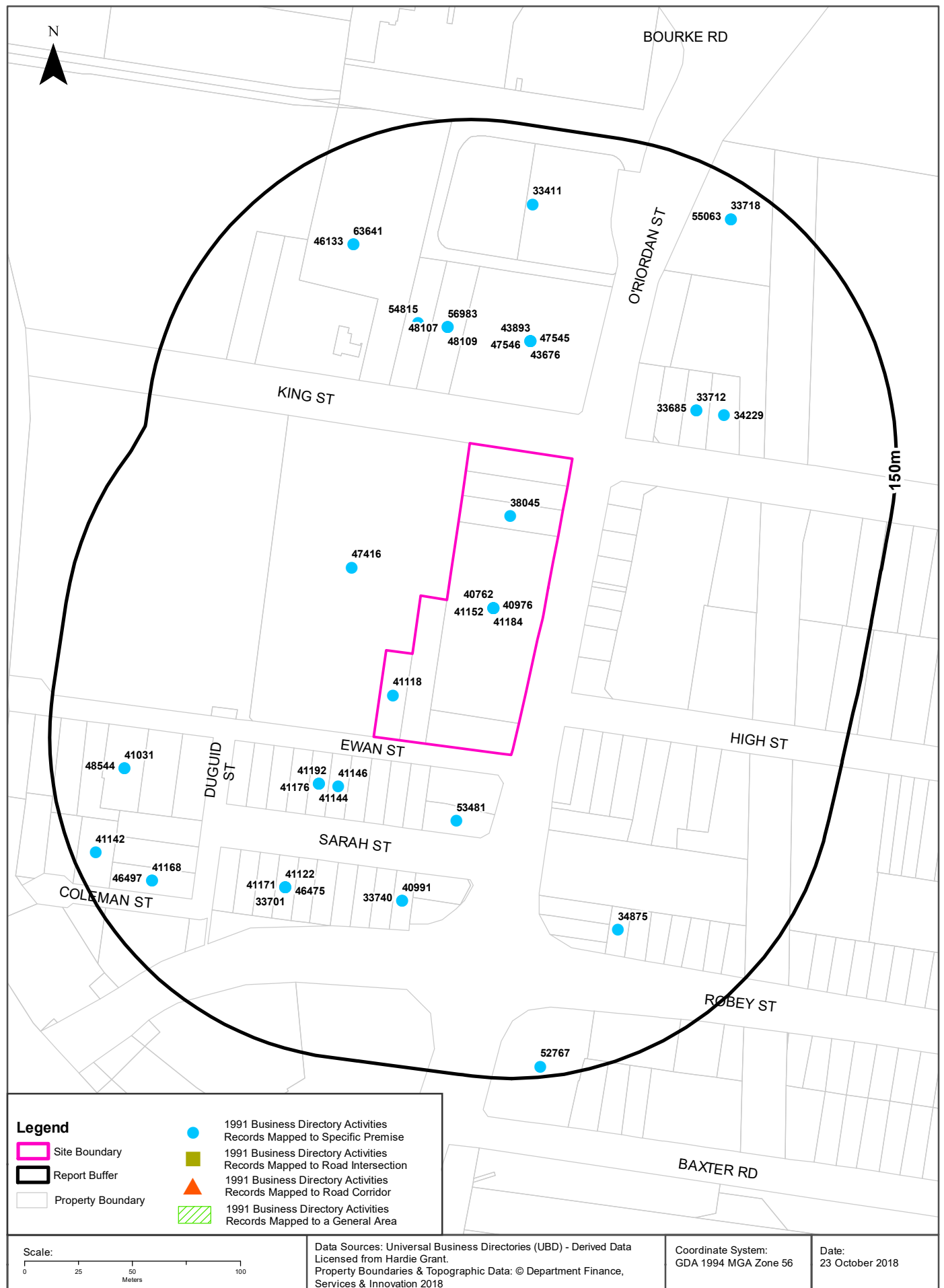
## UPSS Sensitive Zones

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



# 1991 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



# Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 1991 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1991 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Container Transport Services	C F Ocean Services,. 5/221 O'Riordan St, Mascot 2020	40762	Premise Match	0m	Onsite
Canvas Goods Mfrs &/or Dists	Goodearl & Bailey Pty Ltd, 219 O'riordan St Mascot 2020	38045	Premise Match	0m	Onsite
Freight Forwarders	Interforwarding Freight & Customs Services Pty Ltd, 3/221 O'Riordan St Mascot 2020	46488	Premise Match	0m	Onsite
Customs Agents	Airfreight Clearances Pty. Ltd., 3 Ewan St., Mascot 2020	41118	Premise Match	0m	Onsite
Customs Agents	G. & M. Customs Pty. Ltd., 1/221 O'Riordan St., Mascot 2020	41152	Premise Match	0m	Onsite
Courier Services	Midnite Express, 1/221 O'Riordan St, Mascot 2020	40976	Premise Match	0m	Onsite
Customs Agents	Routledge, Graham & Co. Pty. Ltd., 1/221 O'Riordan St., Mascot 2020	41184	Premise Match	0m	Onsite
Customs Agents	Dyson, James D. Pty. Ltd., 10 Ewan St., Mascot 2020	41146	Premise Match	28m	South West
Motor Garages & Service Stations	Ampol Mascot Self Serve, 239 O'Riordan St., Mascot 2020	53481	Premise Match	33m	South
Customs Agents	Crosbie, J. P. Pty. Ltd., 12 Ewan St., Mascot 2020	41144	Premise Match	33m	South West
Customs Agents	Palk freight Pty. Ltd., 12 Ewan St., Mascot 2020	41176	Premise Match	33m	South West
Customs Agents	Troy, Kevin & Co. Pty. Ltd., 12 Ewan St., Mascot 2020	41192	Premise Match	33m	South West
Galvanising &/or Tinning	Mascot Galvanising Works Pty Ltd, 342 King St Mascot 2020	47416	Premise Match	35m	West
Gear Cutters &/or Mfrs	Austral Engineering Products Pty Ltd, 205-213 O'Riordan St Mascot 2020	47545	Premise Match	51m	North
Gear Cutters &/or Mfrs	Austral Engineering Products Pty Ltd, 209 O'Riordan St Mascot 2020	47546	Premise Match	51m	North
Engineers Fabricating	A.E.P. Sheet Metal Pty Ltd, 205 O'Riordan St Mascot 2020	43676	Premise Match	51m	North
Engineers General	Austral Engineering Products Pty Ltd, 205-213 O'Riordan St Mascot 2020	43892	Premise Match	51m	North
Engineers General	Austral Engineering Products Pty Ltd, 209 O'Riordan St Mascot 2020	43893	Premise Match	51m	North
Perfume &/or Toilet Preparation Mfrs &/or Imps &/or W/Salers	Oz Australia, 285 King St Mascot 2020	56983	Premise Match	55m	North
Hairdressers &/or Beauty Salon Supplies	Joy Cosmetics Engineering Pty. Ltd., 285 King St Mascot 2020	48107	Premise Match	55m	North
Hairdressers &/or Beauty Salon Supplies	McKewins Hair & Beauty Supplies Pty. Ltd., 285 King St Mascot 2020	48109	Premise Match	55m	North
Motor Panel Beaters &/or Spray Painters	Southport Smash Repairs, 287 King St Mascot 2020	54815	Premise Match	61m	North
Air Cargo Agents	Australian Air Freight Forwarders Pty. Ltd., 279 Kings St., Mascot 2020	33685	Premise Match	62m	North East
Air Cargo Agents	Hency (Australia) Pty. Ltd., 279 King St., Mascot 2020	33712	Premise Match	62m	North East
Aircraft Mfrs &/or Imps &/or Dists	Aeromil, 277 King St, Mascot 2020	34229	Premise Match	73m	North East
Air Cargo Agents	TNT Skypak, 2 Sarah St., Mascot 2020	33740	Premise Match	73m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Courier Services	TNT Skypak, 2 Sarah St., Mascot 2020	40991	Premise Match	73m	South
Freight Forwarders	EMO Trans Australia Pty Ltd, 14 Sarah St Mascot 2020	46475	Premise Match	81m	South West
Customs Agents	Aligned Custom Services (NSW) Pty. Ltd., 14 Sarah St., Mascot 2020	41122	Premise Match	81m	South West
Air Cargo Agents	EMO Trans Australia Pty. Ltd., 14 Sarah St., Mascot 2020	33701	Premise Match	81m	South West
Customs Agents	Minehans Customs Agents, 14 Sarah St, Mascot 2020. Ph:669 2385	41171	Premise Match	81m	South West
Auto Electricians	Austral Auto Electrics, 117 Robey St, Mascot 2020	34875	Premise Match	95m	South East
Food Products Mfrs &/or Processors	Industrial Sugar Mills Pty Ltd, 289 King St Mascot	46133	Premise Match	107m	North
Sugar Millers &/or Refiners	Industrial Sugar Mills Pty Ltd, 289 King St Mascot 2020	63641	Premise Match	107m	North
Adhesive Mfrs &/or Imps &/or Dists	Emhart Australia Pty. Ltd., 191 O' Riordan St., Mascot 2020	33411	Premise Match	114m	North
Hoist Mfrs &/or Dists	R.J.T Hoist Pty. Ltd., 26 Ewan St Mascot 2020	48544	Premise Match	116m	South West
Crane &/or Travel Tower Mfrs &/or Imps &/or Dists	West, N. I. & Co. Pty. Ltd., 26 Ewan St, Mascot 2020	41031	Premise Match	116m	South West
Freight Forwarders	Lawson J J Pty Ltd, 6 Duguid St Mascot 2020	46497	Premise Match	122m	South West
Customs Agents	Lawson, J. J. Pty. Ltd., 6 Duguid St., Mascot 2020	41168	Premise Match	122m	South West
Motor Spare Parts Mfrs &/or Imps &/or W/salers	Dana Ausfield Automotive Parts Distribution, 166 O'Riordan St., Mascot 2020	55063	Premise Match	133m	North East
Air Cargo Agents	John Fletcher International, 166 O' Riordan St., Mascot 2020	33718	Premise Match	133m	North East
Customs Agents	Cornish, George Customs Pty. Ltd., 5 Coleman St., Mascot 2020	41142	Premise Match	139m	South West
Motor Car Hire Services	Kingsford Smith Airport Coach & Hire Car Service, 137 Baxter Rd, Mascot 2020	52767	Premise Match	145m	South

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## 1991 Business to Business Directory Records Road or Area Matches

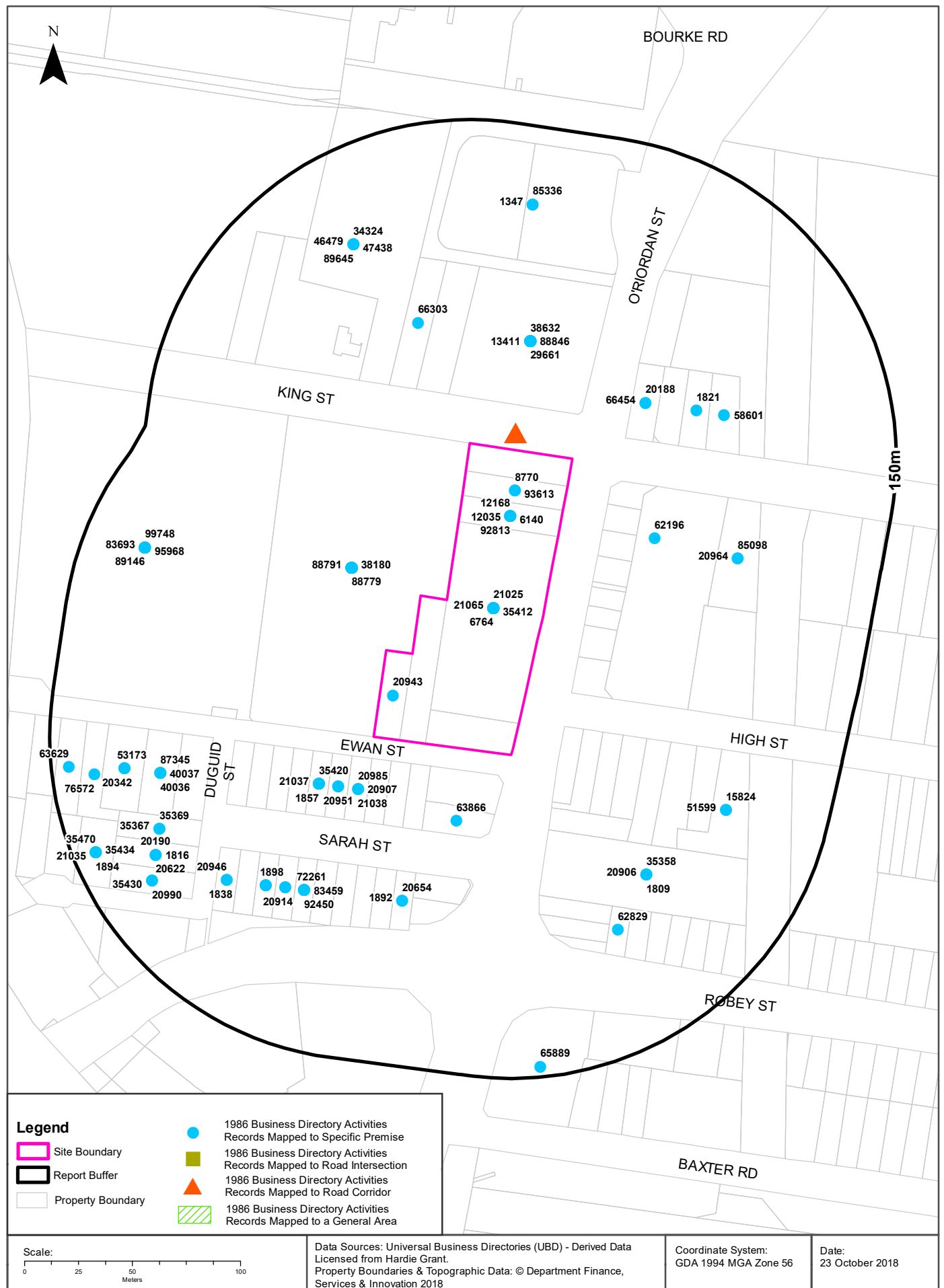
Records from the 1991 UBD Business to Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
N/A	No records in buffer			

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1986 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



# Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 1986 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1986 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
HORSE &/OR CATTLE RUG MFRS.	Goodearl & Bailey Pty. Ltd , 219 O'Riordan St., Mascot.	46122	Premise Match	0m	Onsite
BLIND MFRS. &/OR DISTS.-CANVAS-HOLLAND-VENETIAN.	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot.	6079	Premise Match	0m	Onsite
CAMPING EQUIPMENT MFRS.	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot.	12035	Premise Match	0m	Onsite
BLIND MFRS SUPPLIES.	Goodearl E. Bailey Pty. Ltd., 219 O'Riordan St., Mascot.	6140	Premise Match	0m	Onsite
CANVAS GOODS MFRS. &/OR DISTS.	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot.	12168	Premise Match	0m	Onsite
CARRIERS &/OR CARTAGE CONTRACTORS.	Interport Cargo Services Pty. Ltd., 221 O'Riordan St., Mascot,	12865	Premise Match	0m	Onsite
TIMBER MERCHANTS.	South Sydney Building Service, 217 O'Riordan St., Mascot.	93613	Premise Match	0m	Onsite
TENTS &/OR TARPULINS.	Weed & Bailey Pty. Ltd.; 219 O'Riordan St., Mascot.	92813	Premise Match	0m	Onsite
FREIGHT FORWARDERS.	Grace International Forwarding, 221 O'Riordan St., Mascot.	35412	Premise Match	0m	Onsite
FREIGHT FORWARDERS.	Interport Cargo Services Pty. Ltd., 221 O'Riordan St., Mascot.	35422	Premise Match	0m	Onsite
STORAGE & DISTRIBUTION CENTRES.	Interport Cargo Services Pty. Ltd., 221 O'Riordan St., Mascot.	89582	Premise Match	0m	Onsite
FREIGHT FORWARDERS.	Semen Pty. Ltd., 221 O'Riordan St., Mascot.	35460	Premise Match	0m	Onsite
BUILDERS SUPPLIERS.	South Sydney Building Service, 217 O'Riordan St., Mascot.	8770	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Cornish G. Pty. Ltd., 3 Ewan St., Mascot.	20943	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Grace International Forwarding, 221 O'Riordan St., Mascot.	20967	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Grace International Forwarding, 221 O'Riordan St., Mascot.	1850	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Hallmark Customs Transport Pty. Ltd., 221 O'Riordan St., Mascot.	20970	Premise Match	0m	Onsite
PARCEL DELIVERY SPECIALISTS.	Hallmark Customs Transport Pty. Ltd., 221 O'Riordan St., Mascot.	72251	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Interport Cargo Services Pty. Ltd., 221 O'Riordan St., Mascot.	20980	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Interport Cargo Services Pty. Ltd., 221 O'Riordan St., Mascot.	1858	Premise Match	0m	Onsite
BOND &/OR FREE STORES,	Interport Cargo Services Pty. Ltd., 221 O'Riordan St., Mascot.	6764	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Samev Pty. Ltd., 221 O'Riordan St., Mascot.	1880	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Samev Pty. Ltd.,221 O'Riordan St., Mascot,	21025	Premise Match	0m	Onsite
CUSTOMS-TARIFF CONCESSION CONSULTANTS.	Samev Pty. Ltd., 221 O'Riordan St., Mascot.	21065	Premise Match	0m	Onsite
COURIER SERVICES.	Skylink International Courier Pty. Ltd., 221 O'Riordan St., Mascot.	20642	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
AIR CARGO AGENTS.	Skylink International Courier Pty. Ltd., 221 O'Riordan St., Mascot.	1883	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Ace Customs Services Pty. Ltd., 8 Ewan St., Mascot.	20907	Premise Match	25m	South West
CUSTOMS AGENTS.	Kingfish Customs & Cargo Agency Pty. Ltd., 8 Ewan St., Mascot.	20985	Premise Match	25m	South West
CUSTOMS AGENTS.	Turner Law Custom Services Pty. Ltd., 8 Ewan St., Mascot.	21038	Premise Match	25m	South West
CUSTOMS AGENTS.	Dyson, James D. Pty. Ltd., 10 Ewan St., Mascot.	20951	Premise Match	28m	South West
CUSTOMS AGENTS.	Intercargo Clearance Service, 10 Ewan St., Mascot.	20977	Premise Match	28m	South West
MOTOR GARAGES & SERVICE STATIONS.	Airport Service Station, 239 O'Riordan St., Mascot.	63866	Premise Match	33m	South
FREIGHT FORWARDERS.	Impexair International, 11 Sarah St., Mascot.	35420	Premise Match	33m	South West
CUSTOMS AGENTS.	Airfreight Clearances Pty. Ltd., 12 Ewan St., Mascot.	20911	Premise Match	33m	South West
AIR CARGO AGENTS.	Impexair International, 11 Sarah St., Mascot.	1857	Premise Match	33m	South West
AIR CARGO AGENTS.	Palk Freight Pty, Ltd., 11 Sarah St., Mascot.	100165	Premise Match	33m	South West
CUSTOMS AGENTS.	Troy, K. & Co. Pty. Ltd., 11 Sarah St., Mascot.	21037	Premise Match	33m	South West
FURNACE & COMBUSTION EQUIPMENT MFRS. &/OR IMPS. &/OR DIST.	Burner Combustion & Engineering Pty. Ltd., 342 King St, Mascot	36569	Premise Match	35m	West
GAS BURNERS-INDUSTRIAL-MFRS. &/OR DIST.	Burner Combustion & Engineering Pty. Ltd., 342 King St, Mascot.	38441	Premise Match	35m	West
HEAT EXCHANGER MFRS. &/OR DIST.	Burner Combustion & Engineering Pty. Ltd., 342 King St., Mascot.	45443	Premise Match	35m	West
STEAM GENERATOR MFRS. &/OR DIST.	Carmichael Steam Boilers Pty. Ltd., 342 King St, Mascot.	88772	Premise Match	35m	West
STEAM PLANT &/OR EQUIPMENT MFRS. &/OR DIST.	Carmichael Steam Boilers Pty. Ltd., 342 King St, Mascot.	88779	Premise Match	35m	West
BOILER PLANT MFRS. &/OR IMPS. &/OR DIST.	Carmichael Steam Boilers Pty. Ltd., 342 King St., Mascot	6548	Premise Match	35m	West
BOILERMAKERS.	Carmichael Steam Boilers Pty. Ltd., 342 King St., Mascot.	6596	Premise Match	35m	West
TIMBER TREATMENT SPECIALISTS.	Carmichael Steam Boilers Pty. Ltd., 342 King St., Mascot.	93652	Premise Match	35m	West
GAS BURNERS-INDUSTRIAL-MFRS. &/OR DIST.	Carmichael Steam Boilers Pty. Ltd., 342 King St., Mascot.	38445	Premise Match	35m	West
GALVANISING &/OR TINNING.	Mascot Galvanising Works Pty. Ltd., 342 King St., Mascot.	38180	Premise Match	35m	West
OIL BURNER MFRS. &/OR IMPS. &/OR DIST.	Burner Combustion & Engineering Pty. Ltd., 342 King St., Mascot.	70504	Premise Match	35m	West
ENGINEERS-COMBUSTION.	Burner Combustion & Engineering Pty. Ltd., 342 King St., Mascot.	28700	Premise Match	35m	West
ENGINEERS – FURNACES &/ OR COMBUSTION.	Burner Combustion & Engineering Pty. Ltd., 342 King St., Mascot.	29642	Premise Match	35m	West
DRYING ROOM SYSTEMS MFRS. &/OR INSTALLERS.	Carmichael Steam Boilers Pty. Ltd , 342 King St, Mascot.	25586	Premise Match	35m	West
OIL BURNER MFRS. &/OR IMPS. &/OR DIST.	Carmichael Steam Boilers Pty. Ltd., 342 King St, Mascot.	70505	Premise Match	35m	West
CONCRETE HANDLING EQUIPMENT & MACHINERY MFRS. &/OR IMPS. &/OR DIST.	Carmichael Steam Boilers Pty. Ltd., 342 King St., Mascot	19808	Premise Match	35m	West
ENGINEERS-COMBUSTION.	Carmichael Steam Boilers Pty. Ltd., 342 King St., Mascot.	28701	Premise Match	35m	West
PRESSURE VESSEL MFRS.	Carmichael Steam Boilers Pty. Ltd., 342 King St., Mascot.	75826	Premise Match	35m	West



Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
IRRIGATION SYSTEMS & EQUIPMENT MFRS. &/OR DIST. WOR INSTALLERS.	McCarey Irrigation Pty. Ltd., 11 Ewan St., Mascot.	49333	Premise Match	35m	West
BOILER REPAIRERS &/OR SERVICEMEN.	Burner Combustion & Engineering Pty. Limited, 342 King St., Mascot.	6572	Premise Match	35m	West
BOILER REPAIRERS &/OR SERVICEMEN.	Carmichael Steam Boilers Pty. Ltd., 342 King St, Mascot.	6573	Premise Match	35m	West
STEAM PLANT INSTALLATION SPECIALISTS.	Carmichael Steam Boilers Pty. Ltd., 342 King St., Mascot.	88791	Premise Match	35m	West
MOTOR PANEL BEATERS &/OR SPRAY P	Kewin, G. K , 283 King St., Mascot.	66454	Premise Match	43m	North East
CONTAINER TRANSPORT SERVICES.	A.F.A. Meadows, 283 King St., Mascot.	20188	Premise Match	43m	North East
MOTOR CAR &/OR TRUCK DEALERS-NEW &/OR USED.	Mascot Motor Pty. Ltd., 180 O'Riordan St., Mascot.	62196	Premise Match	44m	North East
CHAIN-HEAVY-MFRS. &/OR IMPS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St., Mascot	13426	Premise Match	51m	North
STEEL FABRICATORS.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot.	88846	Premise Match	51m	North
SHEET METAL WORKERS.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot.	85949	Premise Match	51m	North
GEAR CUTTERS &/OR MFRS.	Austral Engineering Products Pty. Ltd. 205-213 O'Riordan Street, Mascot.	38627	Premise Match	51m	North
CHAIN SPROCKETS MFRS. &/OR DIST.	Austral Engineering Products Pty. Ltd., 209 O'Riordan St., Mascot	13486	Premise Match	51m	North
GEAR CUTTERS &/OR MFRS.	Austral Engineering Products Pty. Ltd., 209 O'Riordan St., Mascot	38632	Premise Match	51m	North
PNEUMATIC TOOLS MFRS. &/OR DIST.	A.E.P. Engineering Sakes Pty. Ltd., 209 O'Riordan St., Mascot.	75330	Premise Match	51m	North
PNEUMATIC TOOLS MFRS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd. 205-213 O'Riordan St., Mascot.	75328	Premise Match	51m	North
AIR EQUIPMENT MFRS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St., Mascot	2507	Premise Match	51m	North
CHAIN DRIVE SPECIALISTS.	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St., Mascot.	13411	Premise Match	51m	North
ENGINEERS – FABRICATING.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot.	29327	Premise Match	51m	North
ENGINEERS – GENERAL &/ OR MANUFACTURING &/ OR MECHANICAL.	Austral Engineering Products Pty. Ltd. 205-213 O'Riordan St., Mascot.	29661	Premise Match	51m	North
ENGINEERS – GENERAL &/ OR MANUFACTURING &/ OR MECHANICAL.	Austral Engineering Products Pty. Ltd., 209 O'Riordan St., Mascot.	29746	Premise Match	51m	North
MOTOR PANEL BEATERS &/OR SPRAY P	Reetworld Panel Repairs, 287 King St., Mascot.	66303	Premise Match	61m	North
AIR CARGO AGENTS.	Australian Air Freight Forwarders Pty. Ltd., 279 King St., Mascot.	1821	Premise Match	62m	North East
MERCHANTS-GENERAL.	Makucha, 277 King St., Mascot.	58601	Premise Match	73m	North East
AIR CARGO AGENTS.	TNT Skypak, 2 Sarah St., Mascot	1892	Premise Match	73m	South
COURIER SERVICES.	TNT Skypak, 2 Sarah St., Mascot.	20654	Premise Match	73m	South
TAXI TRUCK OPERATORS.	Speed For Sale Pty. Ltd., 12 Sarah St, Mascot.	92450	Premise Match	78m	South West
ROAD TRANSPORT SERVICES - INTRASTATE.	Speed For Sale Pty. Ltd., 12 Sarah St, Mascot.	83459	Premise Match	78m	South West
ROAD TRANSPORT SERVICES; INTERSTATE.	Speed For Sale Pty. Ltd., 12 Sarah St., Mascot	83371	Premise Match	78m	South West
COURIER SERVICES.	Speed For Sale Pty. Ltd., 12 Sarah St Mascot.	20646	Premise Match	78m	South West
AIR CARGO AGENTS.	Speed For Sale Pty. Ltd., 12 Sarah St, Mascot.	1885	Premise Match	78m	South West
PARCEL DELIVERY SPECIALISTS.	Speed For Sale Pty. Ltd., 12 Sarah St, Mascot.	72261	Premise Match	78m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CUSTOMS AGENTS.	Aligned Custom Services (NSW) Pty. Ltd., 14 Sarah St., Mascot.	20914	Premise Match	81m	South West
CUSTOMS AGENTS.	Minehans Customs Agents, 14 Sarah St., Mascot.	21004	Premise Match	81m	South West
SCRAP METAL MERCHANTS.	Major Metals Pty. Ltd., 318 King St., Mascot.	85098	Premise Match	84m	East
CUSTOMS AGENTS.	Gem Customs Services, 318 King St., Mascot.	20964	Premise Match	84m	East
FREIGHT FORWARDERS.	AAR International Transport Pty. Ltd., 200 O'Riordan St., Mascot.	35358	Premise Match	84m	South East
CUSTOMS AGENTS.	AAR International Transport Pty. Ltd., 200 O'Riordan St., Mascot.	20906	Premise Match	84m	South East
AIR CARGO AGENTS.	AAR International Transport Pty. Ltd., 200 O'Riordan St., Mascot.	1809	Premise Match	84m	South East
FREIGHT FORWARDERS.	VIP Airfreight Pty. Ltd., 16 Sarah St, Mascot	35481	Premise Match	85m	South West
CUSTOMS AGENTS.	Rudders, 16 Sarah St., Mascot.	21021	Premise Match	85m	South West
AIR CARGO AGENTS.	VIP Airfreight Pty. Ltd., 16 Sarah St., Mascot	1898	Premise Match	85m	South West
MOTOR ELECTRICIANS.	Austral Auto Electrice, 117 Robey St., Mascot	62829	Premise Match	95m	South East
AIR CARGO AGENTS.	Cridland Frank Pty. Ltd., 20 Sarah St, Mascot.	1838	Premise Match	95m	South West
CUSTOMS AGENTS.	Cridland Frank Pty. Ltd., 20 Sarah St., Mascot	20946	Premise Match	95m	South West
GOLF CLUB MFRS.	Carnegie Clark Golf Pty. Ltd. 22 Ewan Street, Mascot.	40034	Premise Match	100m	South West
GOLF CLUB MFRS.	Carnegie Clark Golf, 22 Ewan St., Mascot.	40036	Premise Match	100m	South West
SPORTING GOODS MFRS. &/OR IMPS. &/OR W/SALERS.	Carnegie Clark Pty. Ltd., 22 Ewan St, Mascot.	87345	Premise Match	100m	South West
GOLF CLUB MFRS.	Carnegie Clark Pty. Ltd., 22 Ewan St., Mascot.	40037	Premise Match	100m	South West
CLOTHING MFRS. &/OR W/SALERS.-INDUSTRIAL &/OR PROTECTIVE.	Andrews, A. Pty. Ltd., 112 High St., Mascot.	15824	Premise Match	103m	South East
LEATHER &/OR GRINDERY MERCHANTS.	Andrews, A. Pty. Ltd., 112 High St., Mascot.,	51599	Premise Match	103m	South East
ICING SUGAR MFRS.	Industrial Sugar Mills Pty. Ltd., 289 King St, Mascot.	47438	Premise Match	107m	North
SUGAR REFINERS.	Industrial Sugar Mills Pty. Ltd., 289 King St., Mascot.	89645	Premise Match	107m	North
HOTEL &/OR MOTEL EQUIPMENT &/OR SUPPLIES.	Industrial Sugar Mills Pty. Ltd., 289 King St., Mascot.	46479	Premise Match	107m	North
FOOD PROCESSORS &/OR PACKERS.	Industrial Sugar Mills Pty. Ltd., 289 King St., Mascot.	34324	Premise Match	107m	North
FREIGHT FORWARDERS.	Angus International Freight Pty. Ltd., 2 Duguid St., Mascot.	35367	Premise Match	108m	South West
FREIGHT FORWARDERS.	Asean Cargo Services Pty. Ltd., 2 Duguid St., Mascot.	35369	Premise Match	108m	South West
SEALING COMPOUNDS.	Emhart Australia Pty. Ltd. Bostik Division, 191 O'Riordan St., Mascot.	85336	Premise Match	114m	North
ADHESIVES MFRS. &/OR DIST.	Emhart Australia Pty. Ltd. Bostik Division, 191 O'Riordan St., Mascot.	1347	Premise Match	114m	North
CONTAINER TRANSPORT SERVICES.	All Cargo Container Line (Aust.) Pty. Ltd., 4 Duguid St., Mascot,	20190	Premise Match	115m	South West
AIR CARGO AGENTS.	All Cargo Container Line (Aust.) Pty. Ltd., 4 Duguid St., Mascot.	1816	Premise Match	115m	South West
COURIER SERVICES.	International Courier Network, 4 Duguid St., Mascot,	20622	Premise Match	115m	South West
CONVEYOR &/OR CONVEYING EQUIP. MFRS. &/OR IMPS. &/OR DIST.	West, N. L. & Co Pty. Ltd , 26 Ewan St , Mascot.	20342	Premise Match	116m	South West
ENGINEERS – HYDRAULIC.	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot.	30576	Premise Match	116m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MATERIAL HANDLING EQUIPMENT MFRS. &/OR IMPS. &/OR DIST.	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot.	53173	Premise Match	116m	South West
FREIGHT FORWARDERS.	Lawson, J. J. Pty. Ltd., 6 Duguid St., Mascot,	35430	Premise Match	122m	South West
CUSTOMS AGENTS.	Lawson, J. J. Pty. Ltd., 6 Duguid St., Mascot.	20990	Premise Match	122m	South West
STEEL TUBING MFRS. &/OR DIST.	Murray-More, J. (N.S.W.), 364 King St, Mascot.	89273	Premise Match	122m	West
EXPANDED METAL MFRS. &/OR DIST.	Murray-More, J. (N.S.W.), 364 King St., Mascot	31685	Premise Match	122m	West
WIRE MESH MFRS &/OR DIST.	Murray-More, J. (N.S.W.), 364 King St., Mascot.	99748	Premise Match	122m	West
STEEL MERCHANTS - GENERAL.	Murray-More, J. (N.S.W.), 364 King St., Mascot.	89181	Premise Match	122m	West
STEEL MERCHANTS - GENERAL.	Murray-More, J. (N.S.W.) 364 King Street, Mascot.	89146	Premise Match	122m	West
STEEL MERCHANTS - BLACK SHEETS &/OR STRIP.	Murray-More, J. (N.S.W.), 364 King St, Mascot.	89133	Premise Match	122m	West
ROOFING MATERIAL MFRS. &/OR DIST.	Murray-More, J. (N.S.W.), 364 King St., Mascot.	83693	Premise Match	122m	West
TUBE MFRS. &/OR DIST.	Murray-More, J. (N.S.W.), 364 King St., Mascot.	95968	Premise Match	122m	West
PIPE &/OR PIPE FITTINGS MFRS. &/OR DIST.	Murray-More, J. (N.S.W.), 364 King St., Mascot.	73964	Premise Match	122m	West
STEEL REINFORCEMENT DIST.	Murray-More, J. (N.S.W.), 364 King St., Mascot.	89228	Premise Match	122m	West
PRINTERS - LITHOGRAPHIC.	Cloister Press Pty. Ltd., 28 Ewan St., Mascot.	76572	Premise Match	130m	South West
FREIGHT FORWARDERS.	Macarthur Express, 5 Coleman St, Mascot.	35434	Premise Match	139m	South West
FREIGHT FORWARDERS.	Trade Air Consolidators Pty, Ltd., 5 Coleman St., Mascot.	35470	Premise Match	139m	South West
AIR CARGO AGENTS.	Macarthur Express, 5 Coleman St., Mascot.	1866	Premise Match	139m	South West
CUSTOMS AGENTS.	Trade Air Consolidators Pty. Ltd., 5 Coleman St., Mascot,	21035	Premise Match	139m	South West
AIR CARGO AGENTS.	Trade Air Consolidators Pty. Ltd., 5 Coleman St., Mascot.	1894	Premise Match	139m	South West
MOTOR ENGINEERS.	Wright, J. Automotive 30 Ewan St Mascot.	63629	Premise Match	142m	West
MOTOR HIRE SERVICES- DRIVE YOURSELF &/OR RENTAL.	Kingsford Smith Transport (Sydney A'Port) Pty. Ltd., 137 Baxter Rd., Mascot.	65889	Premise Match	145m	South

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 1986 Business to Business Directory Records Road or Area Matches

Records from the 1986 UBD Business to Business Directory, 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:

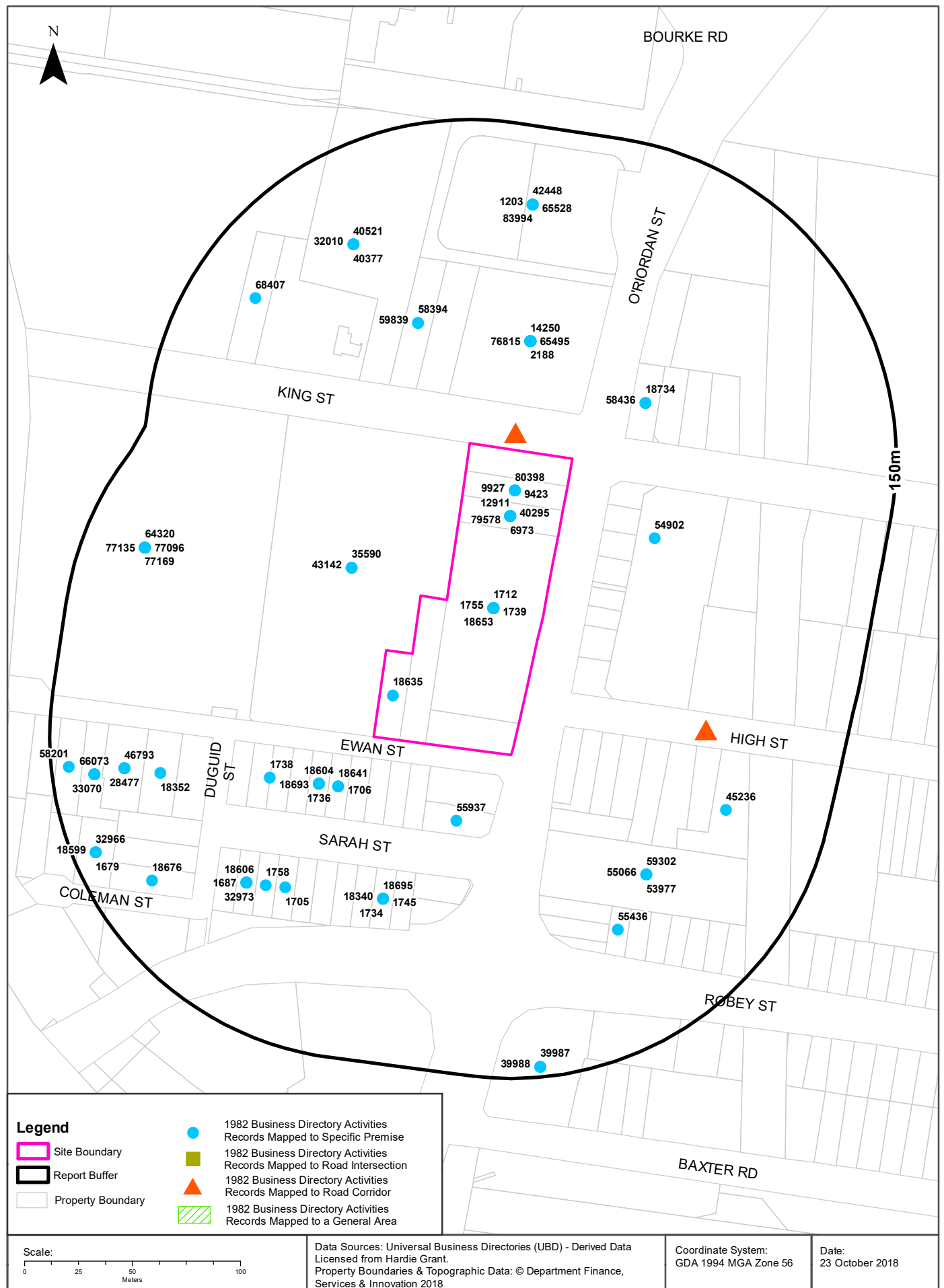
Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ARTISTS-COMMERCIAL & INDUSTRIAL.	A.S. Promotion, King St., Mascot.	3829	Road Match	0m
FREIGHT FORWARDERS.	Australian Air Freight Forwarders Pty. Ltd., King St., Mascot,	35374	Road Match	0m
AIR CARGO AGENTS.	Australian Air Freight Forwarders Pty. Ltd., King St., Mascot.	1820	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
MOTOR BODY BUILDERS.	Sweetings Service Station, King St., Mascot.	61439	Road Match	0m
ENGINEERS – GENERAL &/ OR MANUFACTURING &/ OR MECHANICAL.	Sweetings Service Station, King St., Mascot.	30359	Road Match	0m
MOTOR ACCESSORIES – RETAIL .	Sweetings Service Station, King St., Mascot.	61205	Road Match	0m
MOTOR GARAGES & SERVICE STATIONS.	Sweetings Service Station, King St., Mascot.	65543	Road Match	0m
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS.	Sweetings Service Station, King St., Mascot.	66808	Road Match	0m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1982 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 1982 Business Directory Records Premise or Road Intersection Matches

Records from the 1982 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TENTS &/OR TARPAULINS. (T2775)	Goodearl & Bailey Pty. Ltd , 219 O'Riordan St., Mascot 2020.	79578	Premise Match	0m	Onsite
CANVAS GOODS MFRS. &/OR W/SALERS. (C0990)	Goodearl & Bailey Pty. Ltd., 219 O Riordan St Mascot 2020.PS 667-0616	13039	Premise Match	0m	Onsite
BLIND MFRS SUPPLIES. (B3100)	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot 2020.	7028	Premise Match	0m	Onsite
BLIND MFRS. &/OR DISTS.-CANVAS - HOLLAND - VENETIAN. (B3030)	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot 2020.	6973	Premise Match	0m	Onsite
CAMPING EQUIPMENT MFRS.(C0585)	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot 2020.	12911	Premise Match	0m	Onsite
HORSE &/OR CATTLE RUG MFRS.(H5450)	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot 2020.	40295	Premise Match	0m	Onsite
TIMBER MERCHANTS. (T4625)	South Sydney Building Service, 217 O'Riordan St., Mascot 2020.	80398	Premise Match	0m	Onsite
FREIGHT FORWARDERS. (F6185)	Grace Bros. International, 221 O'Riordan St., Mascot 2020.	33009	Premise Match	0m	Onsite
BUILDERS &/OR BUILDING CONTRACTORS. (B6920)	South Sydney Building Service, 217 O'Riordan St., Mascot 2020.	9423	Premise Match	0m	Onsite
BUILDERS SUPPLIERS. (B7060)	South Sydney Building Service, 217 O'Riordan St., Mascot 2020.	9927	Premise Match	0m	Onsite
CUSTOMS AGENTS. (C9165)	Cornish G. Pty, Ltd., 3 Ewan St., Mascot 2020.	18635	Premise Match	0m	Onsite
AIR CARGO AGENTS. (A3240)	G. F. Customs Agency Pty. Ltd., 221 O'Riordan Rd., Mascot 2020.	1712	Premise Match	0m	Onsite
CUSTOMS AGENTS. (C9165)	Grace Aircargo International, 221 O'Riordan St., Mascot 2020.	18653	Premise Match	0m	Onsite
AIR CARGO AGENTS. (A3240)	Grace Aircargo International, 221 O'Riordan St, Mascot 2020.	1714	Premise Match	0m	Onsite
CUSTOMS AGENTS. (C9165)	Grace Bros. International, 221 O'Riordan St., Mascot 2020.	18654	Premise Match	0m	Onsite
AIR CARGO AGENTS. (A3240)	Raymond Ryce Pty. Ltd., 221 O'Riordan St., Mascot 2020.	1739	Premise Match	0m	Onsite
AIR CARGO AGENTS. (A3240)	South Pacific Aircargo Consolidators Pty. Ltd., 221 O'Riordan St.,Mascot 2020.	1746	Premise Match	0m	Onsite
AIR CARGO AGENTS. (A3240)	Universal Air Cargo, 221 O'Riordan St., Mascot 2020.	1754	Premise Match	0m	Onsite
AIR CARGO AGENTS. (A3240)	Universal Air Cargo, 221 O'Riordan St., Mascot 2020.	1755	Premise Match	0m	Onsite
AIR CARGO AGENTS. (A3240)	Dyson, James D. Pty. Ltd., 10 Ewan St., Mascot 2020.	1706	Premise Match	28m	South West
CUSTOMS AGENTS. (C9165)	Dyson, James D. Pty. Ltd., 10 Ewan St., Mascot 2020.Ph667-3624	18641	Premise Match	28m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Airport Service Station, 239 O'Riordan St., Mascot 2020.	55937	Premise Match	33m	South
CUSTOMS AGENTS. (C9165)	Airfreight Clearances Pty. Ltd., 12 Ewan St., Mascot 2020.	18604	Premise Match	33m	South West
CUSTOMS AGENTS. (C9165)	Minehans Customs Agents, 11 Sarah St., Mascot 2020.	18693	Premise Match	33m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
AIR CARGO AGENTS. (A3240)	Palk Freight Pty. Ltd., 11 Sarah St., Mascot 2020.	1736	Premise Match	33m	South West
CUSTOMS AGENTS. (C9165)	Troy, K. & Co, Pty. Ltd., 11 Sarah St., Mascot, 2020	18722	Premise Match	33m	South West
GALVANISING &/OR TINNING.(G0200)	Mascot Galvanising Works Pty. Ltd., 342 King St., Mascot 2020.	35590	Premise Match	35m	West
IRRIGATION SYSTEMS &/OR EQUIPMENT.MFRS. &/OR DIST.S.(I5950)	McCarey Irrigation Pty. Ltd, 11 Ewan St., Mascot 2020.	43142	Premise Match	35m	West
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Kewin, G. H., 283 King St., Mascot 2020.	58436	Premise Match	43m	North East
CUSTOMS BY-LAW CONSULTANTS. (C9180)	A.M.A. Meadows, 283 King St., Mascot 2020.	18734	Premise Match	43m	North East
MOTOR CAR &/OR TRUCK DEALERS - NEW &/OR USED.(M5840)	Mascot Motor Pty. Ltd., 180 O'Riordan St., Mascot 2020.	54902	Premise Match	44m	North East
CHAIN - HEAVY - MFRS. &/OR IMPS. &/OR DIST.S. (C3435)	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St., Mascot 2020.	14206	Premise Match	51m	North
SHEET METAL WORKERS. (S2595)	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot 2020.	74213	Premise Match	51m	North
STEEL FABRICATORS, (S6105)	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot 2020.Ph :667-1175	76815	Premise Match	51m	North
CHAIN SPROCKETS MFRS. &/OR DIST.S. (C3585)	Austral Engineering Products Pty. Ltd., 209 O'Riordan St,Mascot 2020.	14250	Premise Match	51m	North
GEAR CUTTERS &/OR MFRS.(G2250)	Austral Engineering Products Pty. Ltd., 209 O'Riordan St,Mascot 2020.	35934	Premise Match	51m	North
FAN &/OR BLOWER MFRS. &/OR DIST.S. (F0225)	Industrial Air Handling Equipment Pty. Ltd., 205 O'Riordan St.,Mascot 2020.	29941	Premise Match	51m	North
AIR EQUIPMENT MFRS. &/OR DIST.S. (A3870)	A.E.P. Engineering Sales Pty, Ltd., 209 O'Riordan St, Mascot 2020.	2188	Premise Match	51m	North
PNEUMATIC TOOLS MFRS. &/OR DIST.S. (P6920)	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St., Mascot 2020.	65495	Premise Match	51m	North
CHAIN DRIVE SPECIALISTS. (C3420)	A.E.P. Engineering Sales Ry. Ltd., 209 O'Riordan St., Mascot 2020.	14189	Premise Match	51m	North
ENGINEERS - FABRICATING (E6870)	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot 2020.	27450	Premise Match	51m	North
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL. (E7140)	Austral Engineering Products Pty. Ltd., 209 O'Riordan St,Mascot 2020.	27817	Premise Match	51m	North
AIR CARGO AGENTS. (A3240)	Pandair Freight Ltd., 13 Sarah St., Mascot 2020.	1738	Premise Match	52m	South West
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Ison's, B. J. Smash Repairs. 287 King St., Mascot 2020.	58394	Premise Match	61m	North
MOTOR TRIMMERS. (M8260)	Truscot, P Rear 287 King St., Mascot 2020.	59839	Premise Match	61m	North
AIR CARGO AGENTS. (A3240)	O.C.S. Air Freight (International) Pty. Ltd., 4 Sarah St., Mascot,2020.	1734	Premise Match	74m	South
CUSTOMS AGENTS. (C9165)	O.C.S. Air Freight (International) Pty. Ltd., 4 Sarah St., Mascot 2020.	18695	Premise Match	74m	South
AIR CARGO AGENTS. (A3240)	Skypak International, 4 Sarah St., Mascot 2020.	1745	Premise Match	74m	South
COURIER SERVICES, (C8615)	Skypak International, 4 Sarah St., Mascot 2020.	18340	Premise Match	74m	South
AIR CARGO AGENTS. (A3240)	Cridland Frank Pty. Ltd., 14 Sarah St., Mascot 2020.	1705	Premise Match	81m	South West
MOTOR CAR &/OR TRUCK DEALERS - NEW &/OR USED.(M5840)	Svenska Car Centra Pty. Ltd., 200 O'Riordan St, Mascot 2020.	55066	Premise Match	84m	South East
MOTOR ACCESSORIES DEALERS.(M4690)	Svenska Car Centre Pty. Ltd., 200 O'Riordan St, Mascot 2020.	53977	Premise Match	84m	South East
MOTOR SPARE PARTS DEALERS -RETAIL. (M7840)	Svenska Car Centre Pty. Ltd., 200 O'Riordan St., Mascot 2020.	59302	Premise Match	84m	South East



Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
AIR CARGO AGENTS. (A3240)	VIP Airfreight Pty. Ltd., 16 Sarah St, Mascot 2020.	1758	Premise Match	85m	South West
FREIGHT FORWARDERS. (F6185)	Aligned Services Forwarding Pty. Ltd., 18 Sarah St., Mascot 2020.	32973	Premise Match	90m	South West
AIR CARGO AGENTS. (A3240)	Aligned Services Forwarding Pty. Ltd., 18 Sarah St., Mascot 2020.	1687	Premise Match	90m	South West
CUSTOMS AGENTS. (C9165)	Aligned Services Forwarding Pty. Ltd., 18 Sarah St., Mascot 2020.	18606	Premise Match	90m	South West
CUSTOMS AGENTS. (C9165)	K. S.A. Customs Agents Pty. Ltd., Rear 18 Sarah St., Mascot, 2020	18668	Premise Match	90m	South West
CUSTOMS AGENTS. (C9165)	Warringah Customs International Pty. Ltd., Rear 18 Sarah St., Mascot 2020.	18727	Premise Match	90m	South West
MOTOR ELECTRICIANS, (M6580)	Austral Auto Electrics, 117 Robey St., Mascot 2020.	55436	Premise Match	95m	South East
COURIER SERVICES, (C8615)	Warner Sky Courier Network, 22 Ewan St., Mascot 2020.	18352	Premise Match	100m	South West
LEATHER &/OR GRINDERY MERCHANTS. (L3550)	Andrews, A. Pty. Ltd., 112 High St., Mascot 2020.	45236	Premise Match	103m	South East
HOSPITAL SUPPLIES & EQUIPMENT MFRS. &/OR DIST. (H6110)	Industrial Sugar Mills Pty. Ltd., 289 King St, Mascot 2020.	40377	Premise Match	107m	North
HOTEL &/OR MOTEL EQUIPMENT SUPPLIES. (H7100)	Industrial Sugar Mills Pty. Ltd. 289 King St., Mascot 2020.	40521	Premise Match	107m	North
FOOD PROCESSORS &/OR PACKERS. (F4925)	Industrial Sugar Mills Pty. Ltd., 289 King St., Mascot 2020.	32010	Premise Match	107m	North
WAX MFRS. &/OR IMPORTERS. (W2360)	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot 2020.	83994	Premise Match	114m	North
POLISH MFRS. &/OR DIST. (P6980)	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot 2020.	65528	Premise Match	114m	North
INSULATING MATERIALS MFRS. &/OR DIST. &/OR SUPPLIERS. (I3660)	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot 2020.	42448	Premise Match	114m	North
ADHESIVES MFRS. &/OR DIST. (A1110)	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot 2020.	1203	Premise Match	114m	North
CONVEYOR &/OR CONVEYING EQUIP. MFRS. &/OR IMPS. &/OR DIST. (C7710)	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot 2020.	18036	Premise Match	116m	South West
MATERIAL HANDLING EQUIPMENT MFRS. IMPS. &/OR DIST. (M1500)	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot 2020.	46793	Premise Match	116m	South West
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL. (E7140)	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot 2020.	28477	Premise Match	116m	South West
ENGINEERS - HYDRAULIC. (E7260)	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot 2020.	28644	Premise Match	116m	South West
RADIO - TWO-WAY SALES &/OR SERVICE. (R1435)	Mobile Two-Way Radio (NSW) Pty. Ltd., 295 King St, Mascot 2020.	68407	Premise Match	120m	North West
CUSTOMS AGENTS. (C9165)	Lawson, J. J. Pty. Ltd., 6 Duguid St , Mascot 2020.	18676	Premise Match	122m	South West
HYDRAULIC JACK MFRS. &/OR DIST. (H7650)	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot 2020.	41307	Premise Match	122m	West
PIPE &/OR PIPE FITTINGS MFRS. &/OR DIST. (P4846)	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot 2020.	64320	Premise Match	122m	West
ROOFING MATERIAL MFRS. &/OR DIST. (R6580)	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St., Mascot 2020.	72408	Premise Match	122m	West
STEEL MERCHANTS-GENERAL (S6420)	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St., Mascot 2020.	77135	Premise Match	122m	West
STEEL MERCHANTS - BLACK SHEETS &/OR STRIP. (S6405)	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St., Mascot 2020.	77096	Premise Match	122m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
STEEL REINFORCEMENT DIST.S.(S6540)	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St., Mascot 2020.	77169	Premise Match	122m	West
PRINTERS - LETTERPRESS. (P8420)	E. H. Enterprise Holdings Pty. Ltd., 28 Ewan St., Mascot 2020.	66073	Premise Match	130m	South West
PRINTERS - LITHOGRAPHIC (OFFSET). (P8440)	E.H. Enterprise Holdings Pty. Ltd., 28 Ewan St, Mascot 2020.	66493	Premise Match	130m	South West
FREIGHT FORWARDERS. (F6185)	Watson, Eris P. & Co., 28 Ewan St., Mascot 2020.	33070	Premise Match	130m	South West
CUSTOMS AGENTS. (C9165)	Watson, Eris P. & Co., 28 Ewan St., Mascot 2020.	18730	Premise Match	130m	South West
FREIGHT FORWARDERS. (F6185)	AAR International Pty. Ltd., 5 Coleman St., Mascot 2020.	32966	Premise Match	139m	South West
CUSTOMS AGENTS. (C9165)	AAR International Pty. Ltd., 5 Coleman St., Mascot 2020.	18599	Premise Match	139m	South West
AIR CARGO AGENTS. (A3240)	AAR International Pty. Ltd., 5 Coleman St., Mascot 2020.	1679	Premise Match	139m	South West
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Combined Auto Repairs, 30 Ewan St., Mascot 2020.	58201	Premise Match	142m	West
HIRE CAR SERVICES. (H4000)	Hughes Hire Cars Pty. Ltd., 137 Baxter Rd., Mascot, 2020.	39987	Premise Match	145m	South
HIRE CAR SERVICES. (H4000)	Kingsford Smith Hire Cars (Sydney A'Port) Pty. Ltd., 137 Baxter Rd., Mascot 2020.	39988	Premise Match	145m	South

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## 1982 Business Directory Records Road or Area Matches

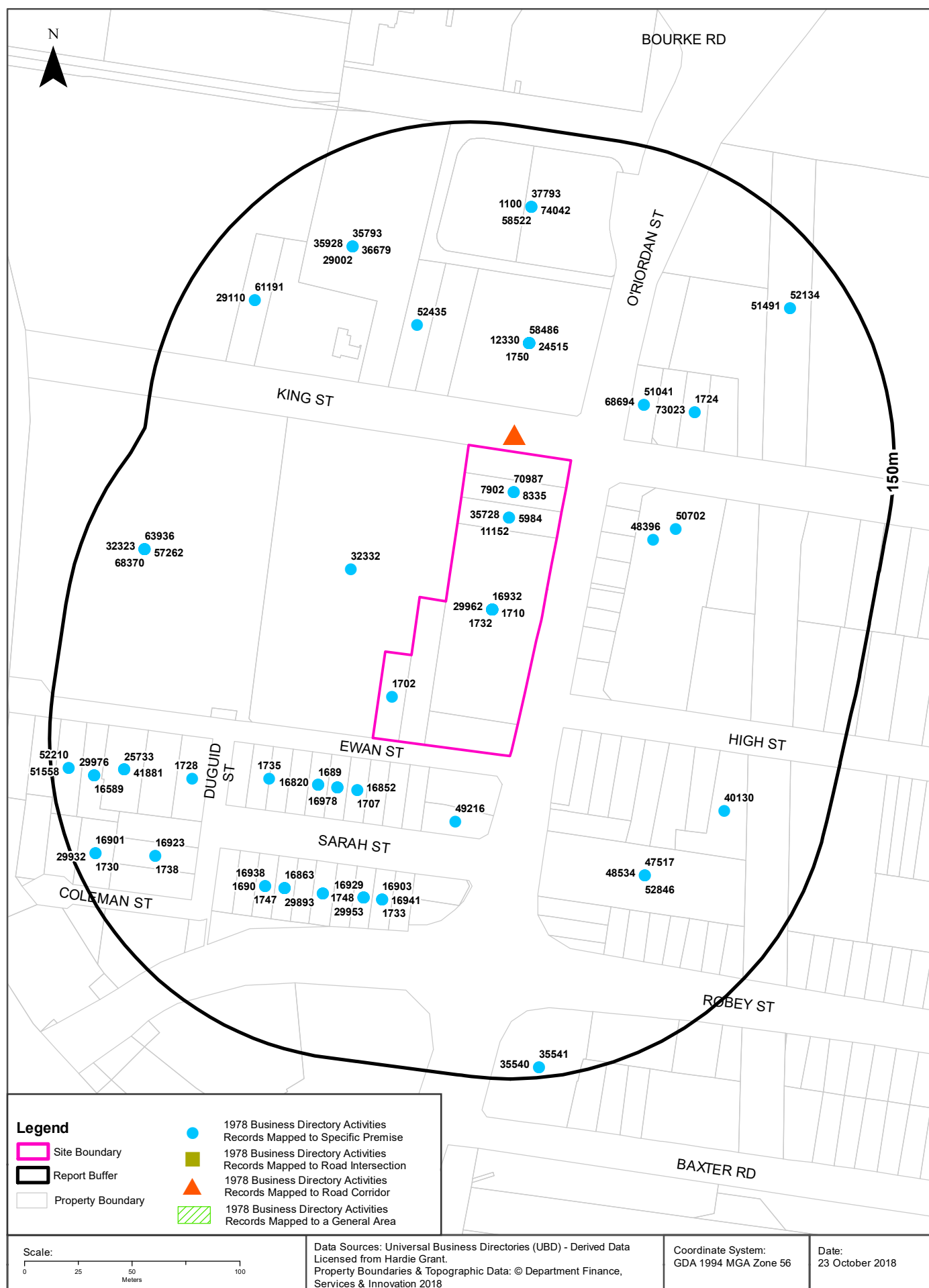
Records from the 1982 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ARTISTS - COMMERCIAL & INDUSTRIAL. (A7385)	A.S, Promotion, King St., Mascot 2020,	3415	Road Match	0m
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL. (E7140)	Sweetings Service Station, King St., Mascot 2020.	28403	Road Match	0m
MOTOR ACCESSORIES DEALERS.(M4690)	Sweetings Service Station, King St., Mascot 2020.	53981	Road Match	0m
MOTOR BODY REPAIRS &/OR CONVERTERS. (M5140)	Sweetings Service Station, King St., Mascot 2020.	54329	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Sweetings Service Station, King St., Mascot 2020.	57664	Road Match	0m
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Sweetings Service Station, King St., Mascot 2020.	58766	Road Match	0m
AIR CARGO AGENTS. (A3240)	Bamber, R. & Co., High St., Mascot 2020.	1688	Road Match	21m
CUSTOMS AGENTS. (C9165)	Bamber, R. & Co., High St., Mascot 2020.	18612	Road Match	21m
FREIGHT FORWARDERS. (F6185)	Bamber, R. & Co., High St., Mascot 2020.	32979	Road Match	21m
STORAGE & DISTRIBUTIONCENTRES. (S7310)	Bamber, R. & Co., High St., Mascot 2020.	77487	Road Match	21m

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# 1978 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



# Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 1978 Business Directory Records Premise or Road Intersection Matches

Records from the 1978 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CANVAS GOODS MFRS. &/OR W/SALERS.	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot.	11152	Premise Match	0m	Onsite
BLIND MFRS. &/OR DISTS. - CANVAS - HOLLAND - VENETIAN.	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot.	5984	Premise Match	0m	Onsite
HORSE &/OR CATTLE RUG MFRS.	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot.	35728	Premise Match	0m	Onsite
TIMBER MERCHANTS.	South Sydney Building Service, 217 O'Riordan St., Mascot.	70987	Premise Match	0m	Onsite
FREIGHT FORWARDERS.	Air Marketing International (Aust.) Pty. Ltd- 221 O'Riordan St., Mascot	29861	Premise Match	0m	Onsite
FREIGHT FORWARDERS.	Grace Bros. International, 221 O'Riordan St., Mascot.	29903	Premise Match	0m	Onsite
FREIGHT FORWARDERS.	Oceanair Pty. Ltd. 221-223 O'Riordan street, mascot	29855	Premise Match	0m	Onsite
FREIGHT FORWARDERS.	Oceanair Pty. Ltd., 221 O'Riordan St., Mascot.	29938	Premise Match	0m	Onsite
BUILDERS SUPPLIERS.	South Sydney Building Service, 217 O'Riordan St., Mascot.	8335	Premise Match	0m	Onsite
BUILDERS &/OR BUILDING CONTRACTORS.	South Sydney Building Service. 217 O'Riordan St., Mascot.	7902	Premise Match	0m	Onsite
FREIGHT FORWARDERS.	Stephenson John G. & Co. Pty. Ltd., 221 O'Riordan St. Mascot.	29962	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Air Express International, 221 O'Riordan St.. Mascot.	1686	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Air Marketing International (Aust.) Pty. Ltd., 221 O'Riordan St., Mascot.	1688	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Cornish, Geo. Pty. Ltd., 3 Ewan St., Mascot.	1702	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Grace Air Cargo International, 221 O'Riordan St, Mascot	1710	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Grace Air Cargo International, 221 O'Riordan St, Mascot	16864	Premise Match	0m	Onsite
CUSTOMS BY-LAW CONSULTANTS.	Grace Bros. International, 221 O'RiordanSt., Mascot.	16964	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Harper Group (The), 229 O'Riordan St., Mascot.	1711	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Novo International Airfreight, 221 O'Riordan St., Mascot.	1732	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Oceanair Pty. Ltd. 221-223 O'Riordan Street, Mascot	16811	Premise Match	0m	Onsite
FURNITURE REMOVALISTS &/OR STORAGE.	Oceanair Pty. Ltd. 221-223 O-Riordan Street, Mascot	32162	Premise Match	0m	Onsite
FURNITURE REMOVALISTS &/OR STORAGE.	Oceanair Pty. Ltd., 221 O'Riordan St., Mascot.	32212	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Oceanair Pty. Ltd., 221 O'RiordanSt., Mascot.	16904	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Stephenson John G. & Co. Pty. Ltd., 221 O'Riordan St., Mascot.	16932	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Stephenson John G. & Co. Pty. Ltd., 221 O'Riordan St., Mascot.	1744	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Dyson, James D. Pty. Ltd., 8 Ewan St., Mascot.	1707	Premise Match	25m	South West
CUSTOMS AGENTS.	Dyson. James D. Pty. Ltd., 8 Ewan St., Mascot.	16852	Premise Match	25m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
FREIGHT FORWARDERS.	Simmons, R. & Co. Pty. Ltd., 10 Ewan St, Mascot	29960	Premise Match	28m	South West
CUSTOMS BY-LAW CONSULTANTS.	Simmons, R. & Co Pty. Ltd, 10 Ewan St, Mascot	16978	Premise Match	28m	South West
CUSTOMS AGENTS.	Simmons, R. & Co Pty. Ltd., 10 Ewan St, Mascot	16928	Premise Match	28m	South West
AIR CARGO AGENTS.	Simmons, R. & Co. Pty. Ltd. 10 Ewan St., Mascot, N.S.W.,	1684	Premise Match	28m	South West
AIR CARGO AGENTS.	Simmons, R. & Co. Pty. Ltd., 10 Ewan St, Mascot	1742	Premise Match	28m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Airport Service Station, 239 O'Riordan St., Mascot.	49216	Premise Match	33m	South
AIR CARGO AGENTS.	Airfreight Clearances Pty. Ltd., 12 Ewan St., Mascot.	1689	Premise Match	33m	South West
CUSTOMS AGENTS.	Airfreight Clearances Pty. Ltd., 12 Ewan St., Mascot.	16820	Premise Match	33m	South West
CUSTOMS AGENTS.	Lawson, J. J. Pty. Ltd., 12 Ewan St., Mascot.	16881	Premise Match	33m	South West
COURIER SERVICES.	Transport Systems, 12 Ewan St., Mascot.	16601	Premise Match	33m	South West
GALVANISING &/OR TINNING.	Mascot Galvanising Works Pty. Ltd., 342 King St., Mascot.	32332	Premise Match	35m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Viscount Service Centre, 283 King St., Mascot.	51041	Premise Match	43m	North East
STORAGE & DELIVERY DEPOT.	Aust Forwarding Agency Group, 283 King St, Mascot	68694	Premise Match	43m	North East
MOTORCAR &/ORTRUCK DEALERS-NEW &/OR USED.	Mascot Motor Pty. Ltd., 180 O'Riordan St., Mascot.	48396	Premise Match	44m	North East
SHEET METAL WORKERS.	A.E.P. Sheet Metal Pty. Ltd, 205 O'Riordan St, Mascot	65678	Premise Match	51m	North
SHEET METAL WORKERS.	A.E.P. Sheet Metal Pty. Ltd. 205 O'Riordan St. Mascot	65667	Premise Match	51m	North
STEEL FABRICATORS.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot	68037	Premise Match	51m	North
ELECTRICAL METER BOX &/OR SURROUNDS MFRS.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot	22599	Premise Match	51m	North
ELECTRICAL SWITCHBOARD MFRS. &/OR DIST. SWITCHBOARD	A.E.P. Sheet Metal Pty. Ltd.. 205 O'Riordan St, Mascot	23008	Premise Match	51m	North
CHAIN-HEAVY-MFRS. &/OR IMPS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St, Mascot	12342	Premise Match	51m	North
CHAIN SPROCKET MFRS.	Austral Engineering Products Pty. Ltd, 209 O'Riordan St, Mascot	12377	Premise Match	51m	North
CHAIN SPROCKET MFRS.	Austral Engineering Products Pty. Ltd. 205-213 O'Riordan St., Mascot	12376	Premise Match	51m	North
GEAR CUTTERS &/OR MFRS.	Austral Engineering Products Pty. Ltd. 205-213 O'Riordan St., Mascot	32580	Premise Match	51m	North
GEAR CUTTERS &/OR MFRS.	Austral Engineering Products Pty. Ltd., 209 O'Riordan St, Mascot	32586	Premise Match	51m	North
CHAIN DRIVE SPECIALISTS.	A E.P. Engineering Sales Pty. Ltd. 205-213 O'Riordan St., Mascot	12328	Premise Match	51m	North
CHAIN DRIVE SPECIALISTS.	A.E.P. Engineering Sales Pty. Ltd, 209 O'Riordan St, Mascot	12330	Premise Match	51m	North
AIR EQUIPMENT MFRS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd. 205-213 O'Riordan St., Mascot	2092	Premise Match	51m	North
PNEUMATIC TOOLS MFRS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd. 205-213 O'Riordan St., Mascot,	58482	Premise Match	51m	North
PNEUMATIC TOOLS MFRS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St, Mascot	58486	Premise Match	51m	North
ENGINEERS-FABRICATING.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot	24515	Premise Match	51m	North
ENGINEERS-HOT WATER HEATING &/OR VENTILATING.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot	25575	Premise Match	51m	North
AIR EQUIPMENT MFRS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St, Mascot	2094	Premise Match	51m	North
ENGINEERS- GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Austral Engineering Products Pty. Ltd. 205-213 O'Riordan St., Mascot	24820	Premise Match	51m	North

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
ENGINEERS- GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Austral Engineering Products Pty. Ltd., 209 O'Riordan St, Mascot	24893	Premise Match	51m	North
AIR CARGO AGENTS.	Wathen Curnow & Cocks (Sydney) Pty. Ltd., 209 O'Riordan St., Mascot.	1750	Premise Match	51m	North
AIR CARGO AGENTS.	Pandair Freight Ltd., 13 Sarah St.. Mascot.	1735	Premise Match	52m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Quartly's Service Station, 322 King St., Mascot.	50702	Premise Match	54m	North East
MOTOR PANEL BEATERS	Universal Smash Repairs. 287 King St., Mascot.	52435	Premise Match	61m	North
TYRE &/OR TUBE MFRS. &/OR DIST.	Gwynne, R. L. Pty. Ltd., 279 King St., Mascot.	73023	Premise Match	62m	North East
AIR CARGO AGENTS.	Manton Customs Services Pty. Ltd., 279 King St., Mascot.	1724	Premise Match	62m	North East
FREIGHT FORWARDERS.	Ryce, Raymond Pty. Ltd., 6 Sarah St., Mascot	29953	Premise Match	74m	South
CUSTOMS AGENTS.	Air & Sea Forwarders, 6 Sarah St, Mascot	16819	Premise Match	74m	South
CUSTOMS AGENTS.	Air Freight Dept: 6 Sarah Street, Mascot	16807	Premise Match	74m	South
CUSTOMS AGENTS.	Cooke, Milton & Co., 4 Sarah St., Mascot	16845	Premise Match	74m	South
CUSTOMS AGENTS.	Mineham, J. M. & J. A., 6 Sarah St., Mascot.	16899	Premise Match	74m	South
CUSTOMS AGENTS.	O.C.S. Air Freight (International) Pty. Ltd., 4 Sarah St., Mascot	16903	Premise Match	74m	South
AIR CARGO AGENTS.	O.C.S. Air Freight (International) Pty. Ltd., 4 Sarah St., Mascot.	1733	Premise Match	74m	South
CUSTOMS AGENTS.	Ryce, Raymond Pty. Ltd., 6 Sarah St., Mascot.	16921	Premise Match	74m	South
CUSTOMS AGENTS.	South Pacific Aircargo Consolidators Pty. Ltd., 6 Sarah St., Mascot.	16929	Premise Match	74m	South
AIR CARGO AGENTS.	South Pacific Aircargo Consolidators Pty. Ltd., 6 Sarah St., Mascot.	1743	Premise Match	74m	South
AIR CARGO AGENTS.	Universal Air Cargo. 6 Sarah St., Mascot.	1748	Premise Match	74m	South
CUSTOMS AGENTS.	Walsh. J. T., 4 Sarah St., Mascot	16941	Premise Match	74m	South
AIR CARGO AGENTS.	Cridland Frank Pty. Ltd., 10 Sarah St., Mascot.	1703	Premise Match	76m	South West
AIR CARGO AGENTS.	RaDier International Cargo, 12 Sarah St., Mascot.	1736	Premise Match	76m	South West
CUSTOMS AGENTS.	Stokes Roehlig Pty. Ltd., 12 Sarah St., Mascot.	16933	Premise Match	76m	South West
AIR CARGO AGENTS.	Stokes Roehlig Pty. Ltd.. 12 Sarah St., Mascot.	1745	Premise Match	76m	South West
FREIGHT FORWARDERS.	Express Clearances, 14 Sarah St- Mascot.	29893	Premise Match	81m	South West
CUSTOMS AGENTS.	Air freight International Pty Ltd 14 Sarah Street, Mascot	16812	Premise Match	81m	South West
AIR CARGO AGENTS.	Cargoflight, 14 Sarah St.. Mascot.	1697	Premise Match	81m	South West
AIR CARGO AGENTS.	Express Clearances, 14 Sarah St., Mascot.	1709	Premise Match	81m	South West
CUSTOMS AGENTS.	Express Clearances, 14 Sarah St., Mascot.	16854	Premise Match	81m	South West
CUSTOMS AGENTS.	Gem Customs Service Pty. Ltd., 14 Sarah St., Mascot.	16863	Premise Match	81m	South West
MOTOR SPARE PARTS DEALERS-RETAIL.	Swenska Car Centre Pty. Ltd, 200 O'Riordan St, Mascot	52846	Premise Match	84m	South East
MOTORCAR &/ORTRUCK DEALERS-NEW &/OR USED.	Swenska Car Centre Pty. Ltd., 200 O'Riordan St, Mascot	48534	Premise Match	84m	South East
MOTOR ACCESSORIES DEALERS.	Swenska Car Centre Pty. Ltd., 200 O'Riordan St, Mascot	47517	Premise Match	84m	South East
AIR CARGO AGENTS.	TNT Shulman Air Freight International Pty. Ltd. 16 Sarah Street, Mascot	1690	Premise Match	85m	South West
AIR CARGO AGENTS.	TNT Shulman Airfreight International Pty. Ltd., 16 Sarah St, Mascot	1747	Premise Match	85m	South West
CUSTOMS AGENTS.	TNT Shulman Atriretajhl International Pty. U&, 16 Sarah St, Mascot	16938	Premise Match	85m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
AIR CARGO AGENTS.	Mitchell Cotts Airfreight. 20 Ewan St, Mascot	1728	Premise Match	86m	South West
LEATHER &/OR GRINDERY MERCHANTS.	Andrews, A. Pty. Ltd., 112 High St., Mascot.	40130	Premise Match	103m	South East
ICING SUGAR.MFRS.	Industrial Sugar Mills Pty. Ltd 289 King St, Mascot	36679	Premise Match	107m	North
HOSPITAL SUPPLIES & EQUIPMENT MFRS. &/OR DIST.	Industrial Sugar Mills Pty. Ltd., 289 King St, Mascot	35793	Premise Match	107m	North
FOOD. PROCESSORS &/OR PACKERS.	Industrial Sugar Mills Pty. Ltd., 289 King St, Mascot	29002	Premise Match	107m	North
HOTEL &/OR MOTEL EQUIPMENT SUPPLIES.	Industrial Sugar Mills Pty.Ltd., 289 King St, Mascot	35928	Premise Match	107m	North
POLISH MFRS. &/OR DIST.	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot.	58522	Premise Match	114m	North
WAX MFRS. &/OR IMPORTERS.	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot.	74042	Premise Match	114m	North
ADHESIVES MFRS. &/OR DIST.	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot.	1100	Premise Match	114m	North
INSULATING MATERIALS MFRS. &/OR DIST. &/OR SUPPLIERS.	Bostik Australia Pty. Ltd.. 191 O'Riordan St., Mascot.	37793	Premise Match	114m	North
CUSTOMS AGENTS.	Saint & Riley Pty. Ltd, 4 Duguid St, Mascot	16923	Premise Match	115m	South West
AIR CARGO AGENTS.	Saint & Riley Pty. Ltd., 4 Duguid St, Mascot	1738	Premise Match	115m	South West
ENGINEERS-HYDRAULIC.	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot	25733	Premise Match	116m	South West
MATERIAL HANDLING EQUIPMENT MFRS,	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot.	41881	Premise Match	116m	South West
ENGINEERS GENERAL &/OR MANUFACTURING &/OR MECHANICAL	West. N. L. & Co. Pty. Ltd. 26 Ewan St., Mascot.	25527	Premise Match	116m	South West
CONVEYORS &/OR CONVEYING EQUIP. MFRS. &/OR IMPS. &/OR DIST.	West. N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot.	16290	Premise Match	116m	South West
FOOD WRAPPING &/OR PACKING MACHINERY IMPS. &/OR DIST.	Ross Industries Aust. Pty. Ltd., 295 King St., Mascot.	29110	Premise Match	120m	North West
RADIO TWO-WAY SALES &/OR SERVICE.	Willis Two-Way Radio Pty. Ltd., 295 King St., Mascot.	61191	Premise Match	120m	North West
STEEL MERCHANTS-GENERAL.	Murray-More J (NSW) Pty. Ltd. 364 King St. Mascot	68301	Premise Match	122m	West
STEEL MERCHANTS-BLACK SHEETS &/OR STRIP.	Murray-More, J. (N.S.W.) Pty. Ltd, 364 King St, Mascot	68286	Premise Match	122m	West
ROOFING MATERIAL MFRS.&/OR DIST.	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot	63936	Premise Match	122m	West
PIPE &/OR PIPE FITTINGS MFRS. &/OR DIST.	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot	57262	Premise Match	122m	West
STEEL MERCHANTS-GENERAL.	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot	68329	Premise Match	122m	West
GALVANISED IRON MERCHANTS.	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot	32323	Premise Match	122m	West
STEEL REINFORCEMENT DIST.	Murray-More, J. (N.S.W.) Pty. Ltd, 364 King St, Mascot	68370	Premise Match	122m	West
MOTOR PANEL BEATERS	Kewin, G. H., 273 King St., Mascot.	52134	Premise Match	124m	North East
MOTOR PAINTERS.	Kewin, G. H., 273 King St., Mascot.	51491	Premise Match	124m	North East
PRINTERS-LITHOGRAPHIC	E.H. Enterprises Holdings Pty, Ltd., 28 Ewan St., Mascot.	59424	Premise Match	130m	South West
PRINTERS-LETTERPRESS.	E.H. Enterprises Holdings Pty. Ltd., 28 Ewan St.. Mascot.	58997	Premise Match	130m	South West
FREIGHT FORWARDERS.	Watson, Eris P. & Co., 28 Ewan St., Mascot.	29976	Premise Match	130m	South West
COURIER SERVICES.	Enterprise Couriers, 28 Ewan St., Mascot.	16589	Premise Match	130m	South West
CUSTOMS AGENTS.	Watson. Eris P. & Co., 28 Ewan St., Mascot.	16945	Premise Match	130m	South West
FREIGHT FORWARDERS.	Morley, J. W. Pty. Ltd., 5 Coleman St., Mascot.	29932	Premise Match	139m	South West



Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CUSTOMS AGENTS.	Moriey, J. W. Pty. Ltd., 5 Coleman St., Mascot.	16901	Premise Match	139m	South West
AIR CARGO AGENTS.	Moriey, J. W. Pty. Ltd., 5 Coleman St., Mascot.	1730	Premise Match	139m	South West
MOTOR PANEL BEATERS	McFarland, A., 30 Ewan St., Mascot.	52210	Premise Match	142m	West
MOTOR PAINTERS.	McFarland, A., 30 Ewan St., Mascot.	51558	Premise Match	142m	West
HIRE CAR SERVICES.	Hughes Hire Cars Pty. Ltd., 137 Baxter Rd., Mascot.	35540	Premise Match	145m	South
HIRE CAR SERVICES.	Kingsford Smith Hire Cars (Sydney A'Port) Pty. Ltd., 137 Baxter Rd., Mascot.	35541	Premise Match	145m	South

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## 1978 Business Directory Records Road or Area Matches

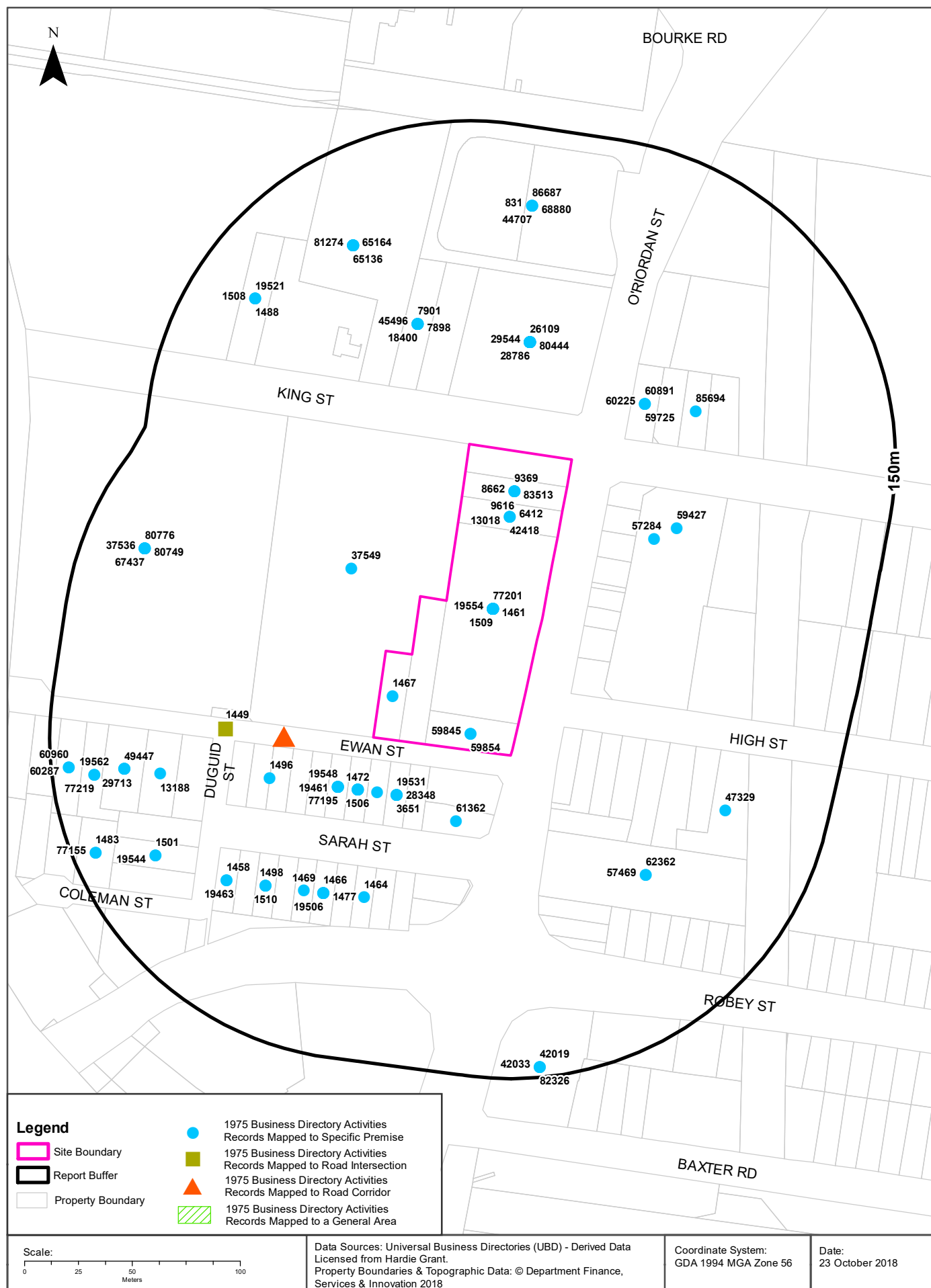
Records from the 1978 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ARTISTS-COMMERCIAL & INDUSTRIAL.	A.S. Promotion, King St., Mascot.	3251	Road Match	0m
MOTOR PAINTERS.	Sweetings Service Station, King St- Mascot.	51712	Road Match	0m
ENGINEERS GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Sweetings Service Station, King St., Mascot.	25448	Road Match	0m
MOTOR BODY REPAIRS &/OR CONVERTERS.	Sweetings Service Station, King St., Mascot.	47873	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sweetings Service Station, King St., Mascot.	50915	Road Match	0m
MOTOR PANEL BEATERS	Sweetings Service Station, King St., Mascot.	52406	Road Match	0m
MOTOR ACCESSORIES DEALERS.	Sweetings Service Station, King St.. Mascot.	47516	Road Match	0m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1975 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 1975 Business Directory Records Premise or Road Intersection Matches

Records from the 1975 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR HIRE SERVICES- DRIVE YOURSELF &/OR RENTAL	Budget 235 O'Riordan St., Mascot,	59845	Premise Match	0m	Onsite
MOTOR HIRE SERVICES- DRIVE YOURSELF &/OR RENTAL	Budget Rent-A-Car Systems Pty. Ltd., 233 O'Riordan St., Mascot.	59854	Premise Match	0m	Onsite
BLIND MFRS. &/OR DISTS. - CANVAS - HOLLAND- VENETIAN.	Goodeall & Bailey Pty. Ltd., 219 O'Riordan St , Mascot.	6412	Premise Match	0m	Onsite
HORSE &/OR CATTLE RUG MFRS.	Goodearl & Bailey Pty. Ltd. 219 O'Riordan St. Mascot	42418	Premise Match	0m	Onsite
CANVAS GOODS MFRS. &/OR W/SALERS.	Goodearl & Bailey Pty. Ltd., 219 O'Riordan St., Mascot.	13018	Premise Match	0m	Onsite
AIR CHARTER SERVICES.	Grace Air Cargo International, 221 O'Riordan St, Mascot	1528	Premise Match	0m	Onsite
TIMBER MERCHANTS.	South Sydney Building Service, 217 O'Riordan St., Mascot.	83513	Premise Match	0m	Onsite
CONTAINER TRANSPORT SERVICES.	Surface Freight International, 221 O'Riordan St., Mascot.	18717	Premise Match	0m	Onsite
BUILDINGS-PRE-FABRICATED MFRS &/OR DISTS	U-Do-It Prefabrications, 217 O'Riordan St., Mascot.	9616	Premise Match	0m	Onsite
BUILDERS SUPPLIERS.	South Hurstville South Sydney Building Service, 217 O'Riordan St., Mascot.	9369	Premise Match	0m	Onsite
BUILDERS &/OR BUILDING CONTRACTORS.	South Sydney Building Service, 217 O'Riordan St., Mascot.	8662	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Air Express international. 221 O'Riordan St., Mascot.	1455	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Brambles International 221-233 O'riordan St., Mascot	1448	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Brambles international, (Air Cargo), 221 O'Riordan St, Mascot	1461	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Brambles International, (Air Cargo), 221 O'Riordan St, Mascot .	19477	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Circle Air Freight (Aust.) Pty. Ltd., 229 O'Riordan St., Mascot.	1465	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Cornish Geo. Pty. Ltd., 3 Ewan St., Mascot.	1467	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Grace Air Cargo International, 221 O'Riordan St, Mascot	1475	Premise Match	0m	Onsite
BAGGAGE AGENTS.	Grace Air Cargo International, 221 O'Riordan St, Mascot	4050	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Grace Air Cargo International, 221 O'Riordan St, Mascot.	19503	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Grace Aircargo International 221 O'Riordan St., Mascot	1451	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Harper Robinson (Australia) Pty. Ltd., 229 O'Riordan St Mascot.	1476	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Nova International Air Freight, 221 O'Riordan St., Mascot.	1493	Premise Match	0m	Onsite
AIR CARGO AGENTS.	Stephenson John G. & Co. Pty. Ltd., 221 O'Riordan St., Mascot.	1509	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Stephenson John G. & Co. Pty. Ltd., 221 O'Riordan St., Mascot.	19553	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
SHIPPING &/OR FORWARDING AGENTS.	Stephenson John G. & Co. Pty. Ltd., 221 O'Riordan St., Mascot.	77200	Premise Match	0m	Onsite
SHIPPING &/OR FORWARDING AGENTS.	Surface Freight International, 221 O'Riordan St., Mascot.	77201	Premise Match	0m	Onsite
CUSTOMS AGENTS.	Surface Freight International, 221 O'Riordan St., Mascot.	19554	Premise Match	0m	Onsite
ENGINEERS-ELECTRONIC.	Tristate Electronics Pty. Ltd., 4 Sarah St., Mascot.	28348	Premise Match	25m	South West
AUTOMATIC CONTROL EQUIPMENT IMPS. &/OR DIST.	Troy. K. & Co. Pty. Ltd., 4 Sarah St., Mascot.	3651	Premise Match	25m	South West
CUSTOMS AGENTS.	C.S.N. Airfreight Pty. Ltd., 8 Sarah St., Mascot.	19482	Premise Match	25m	South West
CUSTOMS AGENTS.	Dyson, James D. Pty. Ltd., 8 Ewan St., Mascot.	19493	Premise Match	25m	South West
AIR CARGO AGENTS.	Dyson, James D. Pty. Ltd., 8 Ewan St., Mascot.	1472	Premise Match	25m	South West
AIR CARGO AGENTS.	McGregor, Swyre Air Services Pty. Ltd., 8 Sarah St., Mascot.	1490	Premise Match	25m	South West
CUSTOMS AGENTS.	McGregor, Swyre Air Services Pty. Ltd., 8 Sarah St., Mascot.	19523	Premise Match	25m	South West
SANDWICH &/OR LUNCHEON SHOPS.	Nobby's Sandwich Bar, 6 Ewan St., Mascot.	75416	Premise Match	25m	South West
CUSTOMS AGENTS.	O.C.S. Air Freight (International) Pty. Ltd., 4 Sarah St., Mascot.	19531	Premise Match	25m	South West
AIR CARGO AGENTS.	O.C.S. Air Freight (International) Pty. Ltd., 4 Sarah St., Mascot.	1494	Premise Match	25m	South West
AIR CARGO AGENTS.	South Pacific Aircargo Consolidators Pty. Ltd., 8 Sarah St., Mascot.	1506	Premise Match	25m	South West
CUSTOMS AGENTS.	South Pacific Aircargo Consolidators Pty. Ltd., 8 Sarah St., Mascot.	19549	Premise Match	25m	South West
AIR CARGO AGENTS.	Air Freight Clearances Pty. Ltd., 9 Sarah St., Mascot.	1456	Premise Match	28m	South West
CUSTOMS AGENTS.	Air Freight Clearances Pty. Ltd., 9 Sarah St., Mascot.	19461	Premise Match	28m	South West
CUSTOMS BY-LAW CONSULTANTS	Simmons, R & Co. Pty. Ltd, 10 Ewan St, Mascot.	19595	Premise Match	28m	South West
SHIPPING &/OR FORWARDING AGENTS.	Simmons, R & Co. Pty. Ltd, 10 Ewan St, Mascot	77195	Premise Match	28m	South West
AIR CARGO AGENTS.	Simmons, R. & Co. Pty. Ltd, 10 Ewan St, Mascot	1505	Premise Match	28m	South West
CUSTOMS AGENTS.	Simmons, R. & Co. Pty. Ltd, 10 Ewan St, Mascot.	19548	Premise Match	28m	South West
AIR CARGO AGENTS.	Simmons, R. & Co. Pty. Ltd. 10 Ewan St., Mascot	1453	Premise Match	28m	South West
MOTOR SERVICE STATIONS - PETROL, OIL	Airport Service Station, 239 O'Riordan St., Mascot.	61362	Premise Match	33m	South
GALVANISING &/OR TINNING.	Mascot Galvanising Works Pty. Ltd., 342 King St., Mascot.	37549	Premise Match	35m	West
MOTOR PANEL BEATERS.	Kewin, G. H., 283 King St., Mascot.	60891	Premise Match	43m	North East
MOTOR PAINTERS.	Kewin. G. H 283 King St., Mascot.	60225	Premise Match	43m	North East
MOTOR GARAGES &/OR ENGINEERS.	Viscount Service Station, 283 King St., Mascot.	59725	Premise Match	43m	North East
MOTOR CAR &/OR TRUCK DEALERS- NEW &/OR USED.	Mascot Motor Pty. Ltd 180 O'Riordan St Mascot.	57284	Premise Match	44m	North East
CHAIN-HEAVY-MFRS. &/OR IMPS. &/OR DIST.	A. E. P. Engineering Sales Pty. Ltd. 205-213 O'Riordan St., Mascot	14274	Premise Match	51m	North
CHAIN-HEAVY-MFRS. &/OR IMPS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd, 209 O'Riordan St, Mascot	14275	Premise Match	51m	North
SHEET METAL WORKERS.	A.E.P. Sheet Metal Pty. Ltd, 205 O'Riordan St, Mascot	76746	Premise Match	51m	North
SHEET METAL WORKERS.	A.E.P. Sheet Metal Pty. Ltd. 205 O'Riordan St., Mascot,	76730	Premise Match	51m	North
ELECTRICAL SWITCHBOARD MFRS. &/OR DIST.	A.E.P. Sheet Metal Pty. Ltd. 205 O'Riordan St, Mascot	26652	Premise Match	51m	North
ELECTRICAL METER BOX &/OR SURROUNDS MFRS.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot	26109	Premise Match	51m	North

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
STEEL FABRICATORS.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot	80444	Premise Match	51m	North
CHAIN SPROCKET MFRS.	Austral Engineering Products Pty. Ltd. 205-213 O'Riordan St., Mascot,	14303	Premise Match	51m	North
GEAR CUTTERS &/OR MFRS.	Austral Engineering Products Pty. Ltd., 205-213 O'Riordan St., Mascot	37841	Premise Match	51m	North
GEAR CUTTERS &/OR MFRS.	Austral Engineering Products Pty. Ltd., 209 O'Riordan St, Mascot	37849	Premise Match	51m	North
CHAIN DRIVE SPECIALISTS.	A. E. P. Engineering Sales Pty. Ltd. 205-213 O'Riordan St., Mascot	14257	Premise Match	51m	North
CHAIN DRIVE SPECIALISTS.	A.E.P. Engineering Sales Pty. Ltd, 209 O'Riordan St, Mascot	14259	Premise Match	51m	North
AIR EQUIPMENT MFRS. &/OR DIST.	A.E.P. Engineering Sales Pty. Ltd. 205-213 O'Riordan St.,	1808	Premise Match	51m	North
PNEUMATIC TOOLS MFRS. &/OR DIST.,	A.E.P. Engineering Sales Pty. Ltd., 209 O'Riordan St, Mascot	68850	Premise Match	51m	North
PNEUMATIC TOOLS MFRS. &/OR DIST.,	A.E.P. Engineering Sales. Pty. Ltd. 205-213 O'Riordan St. Mascot	68846	Premise Match	51m	North
ENGINEERS-HOT WATER "HEATING &/OR VENTILATING	A.E.P. Sheet Metal Pty. Ltd, 205 O'Riordan St, Mascot	29544	Premise Match	51m	North
ENGINEERS-FABRICATING	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot	28366	Premise Match	51m	North
WELDERS., Electric &/OR OXY.	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St, Mascot	86755	Premise Match	51m	North
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Austral Engineering Products Pty. Ltd. 205-213 O'Riordan St., Mascot	28707	Premise Match	51m	North
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Austral Engineering Products Pty. Ltd., 209 O'Riordan St, Mascot	28786	Premise Match	51m	North
AIR CARGO AGENTS.	Pandair Freight Ltd., 13 Sarah St., Mascot.	1496	Premise Match	52m	South West
MOTOR GARAGES &/OR ENGINEERS.	Quartly's Service Station, 322 King St , Mascot.	59427	Premise Match	54m	North East
CONCRETE CORING & SAWING CONTRACTORS.	Ardec & Division Of Dickson Primer Industries 287 King St., Mascot.	18400	Premise Match	61m	North
BORING CONTRACTORS.	Ardec 287 King St., Mascot,	7898	Premise Match	61m	North
BORING CONTRACTORS.	Ardec, 287 King St, Mascot	7901	Premise Match	61m	North
IRRIGATION SYSTEMS &/OR EQUIPMENT MFRS. &/OR DIST.	Ardec, 287 King St, Mascot	45496	Premise Match	61m	North
WELL., DRILLING EQUIPMENT MFRS.	Ardec, 287 King St, Mascot.	87249	Premise Match	61m	North
WELL., DRILLING CONTRACTORS.	Ardec, 287 King St, Mascot.	87247	Premise Match	61m	North
WELL., DRILLING CONTRACTORS.	ARDEC, 287 King St., Mascot.	87246	Premise Match	61m	North
SITE INVESTIGATIONS.	Ardec (A Division of Dickson Primer Industries) 287 King St., Mascot,	77727	Premise Match	61m	North
TYRE &/OR TUBE MFRS. &/OR DIST.	Gwynne. R. L. Pty. Ltd., 279 King St., Mascot.	85694	Premise Match	62m	North East
AIR CARGO AGENTS.	Corrigans Express Co Pty Ltd Cnr. Ewan & Duguid Sts., Mascot	1449	Road Intersection	69m	South West
AIR CARGO AGENTS.	C.S N. Airfreight Pty. Ltd., 6 Sarah St., Mascot.	1464	Premise Match	74m	South
AIR CARGO AGENTS.	Combined Customs Agencies. 10 Sarah St., Mascot.	1466	Premise Match	76m	South West
CUSTOMS AGENTS.	Hartrodt, A. (Customs) Ltd. Ltd., 10 Sarah St., Mascot.	19506	Premise Match	76m	South West
AIR CARGO AGENTS.	Hartrodt, A. (Customs) Pty. Ltd., 10 Sarah St., Mascot.	1477	Premise Match	76m	South West
AIR CARGO AGENTS.	Spencer, A. F. & Co. Pty. Ltd., 10 Sarah St., Mascot.	1507	Premise Match	76m	South West
AIR CARGO AGENTS.	Williams, E. & Co. Pty. Ltd., 10 Sarah St., Mascot.	1511	Premise Match	76m	South West
AIR CARGO AGENTS.	Cridland Frank, Pty. Ltd., 12 Sarah St., Mascot.	1469	Premise Match	78m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR CAR &/OR TRUCK DEALERS- NEW &/OR USED.	Volvo Car & Truck Centre, 200 O'Riordan St., Mascot.	57469	Premise Match	84m	South East
MOTOR SPARE PARTS DEALERS- RETAIL	Volvo Car & Truck Centre. 200 O'Riordan St., Mascot	62362	Premise Match	84m	South East
AIR CARGO AGENTS.	Rudders TNT Air Cargo, 16 Sarah St., Mascot.	1498	Premise Match	85m	South West
CUSTOMS AGENTS.	TNT Shulman, 16 Sarah St., Mascot.	19558	Premise Match	85m	South West
AIR CARGO AGENTS.	TNT/Shulman, 16 Sarah St., Mascot.	1510	Premise Match	85m	South West
AIR CARGO AGENTS.	Aligned Custom Services, 20 Sarah St., Mascot.	1458	Premise Match	95m	South West
CUSTOMS AGENTS.	Aligned Custom Services, 20 Sarah St., Mascot.	19463	Premise Match	95m	South West
CARBON PAPER MFRS. &/OR DIST.	Carbon masters Pty. Ltd., 22 Ewan St., Mascot.	13188	Premise Match	100m	South West
LEATHER &/OR GRINDERY MERCHANTS	Andrew, A. Pty. Ltd. 112 High St. Mascot	47329	Premise Match	103m	South East
HOSPITAL SUPPLIES & EQUIPMENT MFRS. &/OR DIST.	Accommodation Accessories Pty. Ltd., 209 King St., Mascot	42457	Premise Match	107m	North
HOSPITAL SUPPLIES & EQUIPMENT MFRS. &/OR DIST.	Industrial Sugar Mills Pty. Ltd, 289 King St, Mascot	42490	Premise Match	107m	North
PACKAGING &/OR PACKING SPECIALISTS	Industrial Sugar Mills Pty. Ltd, 289 King St. Mascot.	65136	Premise Match	107m	North
SUGAR REFINERS.	Industrial Sugar Mills Pty. Ltd., 289 King St, Mascot.	81276	Premise Match	107m	North
SUGAR REFINERS.	Industrial Sugar Mills Pty. Ltd.,289 King St., Mascot.	81274	Premise Match	107m	North
PACKAGING &/OR PACKING SPECIALISTS	Packaging & Manufacturing Services Pty. Ltd., 289 King St., Mascot	65164	Premise Match	107m	North
HOTEL &/OR MOTEL EQUIPMENT SUPPLIES.	Industrial Sugar Mills Pty. Ltd, 289 King St, Mascot	42649	Premise Match	107m	North
FOOD PROCESSORS &/OR PACKERS.	Industrial Sugar Mills Pty. Ltd 289 King St, Mascot	33589	Premise Match	107m	North
WAX MFRS. &/OR IMPORTERS.	Bostik Australia Pty, Ltd., 191 O'Riordan St. Mascot.	86687	Premise Match	114m	North
INSULATING MATERIALS MFRS. &/OR DIST. &/OR SUPPLIERS.	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot	44707	Premise Match	114m	North
POLISH MFRS. &/OR DIST.	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot	68880	Premise Match	114m	North
ADHESIVES MFRS. &/OR DIST.	Bostik Australia Pty. Ltd., 191 O'Riordan St., Mascot.	831	Premise Match	114m	North
AIR CARGO AGENTS.	Saint & Riley Pty. Ltd, 4 Duguid St, Mascot	1501	Premise Match	115m	South West
CUSTOMS AGENTS.	Saint & Riley Pty. Ltd, 4 Duguid St, Mascot.	19544	Premise Match	115m	South West
ENGINEERS-HYDRAULIC.	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot,	29713	Premise Match	116m	South West
MATERIAL HANDLING EQUIPMENT MFRS.	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot	49447	Premise Match	116m	South West
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot.	29493	Premise Match	116m	South West
CONVEYORS &/OR CONVEYING EQUIP. MFRS. &/OR IMPS. &/OR DIST.	West, N. L. & Co. Pty. Ltd., 26 Ewan St., Mascot.	18868	Premise Match	116m	South West
AIR CARGO AGENTS.	Maynair International. 295 King St., Mascot.	1488	Premise Match	120m	North West
CUSTOMS AGENTS.	Maynair International, 295 King St., Mascot.	19521	Premise Match	120m	North West
AIR CARGO AGENTS.	Stephens, F, H. Services, (Air Freight), 295 King St., Mascot.	1508	Premise Match	120m	North West
PIPE &/OR PIPE FITTINGS MFRS. &/OR DIST.	Murray-More, J. (N.S.W.) Pty. Ltd, 364 King St. Mascot	67437	Premise Match	122m	West
ROOFING MATERIAL MFRS: &/OR DIST.	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot	74661	Premise Match	122m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
STEEL MERCHANTS., GENERAL.	Murray., More J (NSW) Pty Ltd .364 King St., Mascot.	80749	Premise Match	122m	West
STEEL MERCHANTS	Murray., More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot	80776	Premise Match	122m	West
STEEL MERCHANTS., BLACK SHEETS &/OR STRIP.	Murray., More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot	80737	Premise Match	122m	West
GALVANISED IRON MERCHANTS.	Murray-More, J. (N.S.W.) Pty. Ltd., 364 King St, Mascot	37536	Premise Match	122m	West
STEEL REINFORCEMENT DIST.	Murray., More, J. (N.S.W.) Pty. Ltd, 364 King St, Mascot.	80813	Premise Match	122m	West
CUSTOMS AGENTS.	Watson, Eris P. & Co., 28 Ewan St., Mascot.	19562	Premise Match	130m	South West
SHIPPING &/OR FORWARDING AGENTS.	Watson, Eris P. & Co., 28 Ewan St., Mascot.	77219	Premise Match	130m	South West
SHIPPING &/OR FORWARDING AGENTS.	Lawson & Morley Pty. Ltd., 5 Coleman St., Mascot	77155	Premise Match	139m	South West
AIR CARGO AGENTS.	Lawson & Morley Pty. Ltd., 5 Coleman St., Mascot.	1483	Premise Match	139m	South West
MOTOR PAINTERS.	McFarland, A 30 Ewan St Mascot.	60287	Premise Match	142m	West
MOTOR PANEL BEATERS.	McFarland. A., 30 Ewan St., Mascot.	60960	Premise Match	142m	West
HIRE CAR SERVICES	Embassy Hirecars Pty. Ltd., 137 Baxter Rd., Mascot	42019	Premise Match	145m	South
TAXIS. .	Regal Hire Cars Pty. Ltd., 137 Baxter Rd., Mascot.	82326	Premise Match	145m	South
HIRE CAR SERVICES	Regal Hire Cars Pty. Ltd., 137 Baxter Rdâ Mascot.	42033	Premise Match	145m	South

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 1975 Business Directory Records Road or Area Matches

Records from the 1975 UBD Business Directory, 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:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
AIR CARGO AGENTS.	Corrigans Express Co Pty. Ltd., Ewan St, Mascot	1468	Road Match	0m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant



# 1970 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 1970 Business Directory Records Premise or Road Intersection Matches

Records from the 1970 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
ENAMELLERS (E431 )	McEnnally Industries Pty. Ltd., 235 O'Riordan St., Mascot, 2020	296882	Premise Match	0m	Onsite
PAINTERS-SPRAY (P096)	McEnnally Industries Pty. Ltd., 235 O'Riordan St., Mascot, 2020	346785	Premise Match	0m	Onsite
SPRAYERS-INDUSTRIAL (S461)	McEnnally Industries Pty. Ltd., 235 O'Riordan St., Mascot, 2020.	363795	Premise Match	0m	Onsite
CARRIERS & CARTAGE CONTRACTORS (C150)	Beaconsfield Carrying Co. Pty. Ltd., 235 O'Riordan St., Mascot	277946	Premise Match	0m	Onsite
CANVAS GOODS MFRS.&/OR W'SALERS(C079)	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	277184	Premise Match	0m	Onsite
AWNINGS-ALUMINIUM-MFRS.&/OR DIST. (A654)	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	263948	Premise Match	0m	Onsite
BLIND MFRS.-CANVAS & AWNING (B400)	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	267241	Premise Match	0m	Onsite
BLIND MFRS.-HOLLAND (B405)	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	267279	Premise Match	0m	Onsite
FLY SCREENS, DOORS/WINDOW-MFRS.&/OR DIST.(F385)	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	304698	Premise Match	0m	Onsite
HORSE/COW RUG MFRS. (H520)	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	316690	Premise Match	0m	Onsite
TENTS/TARPAULINS (T205)	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	367815	Premise Match	0m	Onsite
BOAT, LAUNCH & YACHT SALES & SERVICE (B457)	Nautical Pleasures Pty- Ltd., 235 O'Riordan St, Mascot	267702	Premise Match	0m	Onsite
SCREEN PROCESS PRINTERS (S168)	O'Harris Advertising Pty. Ltd., 1 Ewan St., Mascot	359995	Premise Match	0m	Onsite
BUILDINGS-PREFABRICATED-MFRS.&/OR DIST. (B836)	U-Do-It Prefabrications, 217 O'Riordan St., Mascot	272554	Premise Match	0m	Onsite
TIMBER MERCHANTS (T385)	U-Do-It Prefabrications, 217 O'Riordan St., Mascot	369077	Premise Match	0m	Onsite
ADVERTISING DISPLAY SPEC. (A160)	O'Harris Advertising Pty. Ltd., 1 Ewan St., Mascot	260180	Premise Match	0m	Onsite
BUILDERS & CONTRACTORS (B800)	South Sydney Building Service, 217 O'Riordan St., Mascot, 2020	270386	Premise Match	0m	Onsite
BUILDERS' SUPPLIERS (B814)	South Sydney Building Service, 217 O'Riordan St., Mascot, 2020	271578	Premise Match	0m	Onsite
SIGNWRITERS (S320)	O'Harris Advertising, 1 Ewan St, Mascot	361643	Premise Match	0m	Onsite
WALLBOARD MERCHANTS (W025)	U-Do-It Prefabrications, 217 O'Riordan St., Mascot	372883	Premise Match	0m	Onsite
MOTOR PANEL BEATERS (M680)	Kable & Abbey Pty. Ltd., 2 Ewan St., Mascot	340159	Premise Match	25m	South
MOTOR TRIMMERS (M748)	Hyde, Frank, 4 Ewan St., Mascot	342641	Premise Match	25m	South West
UPHOLSTERERS (U050)	Hyde,F., 4 Ewan St., Mascot	372064	Premise Match	25m	South West
SANDWICH/LUNCHEON SHOPS (S065)	Nobby's Sandwich Bar, 6 Ewan (late Cook) St., Mascot	358836	Premise Match	25m	South West
SHIPPING & FORWARDING AGENTS(S264)	Simmons,R. & Co., 10 Ewan St., Mascot,N.S.W., 2020.	361091	Premise Match	28m	South West
CUSTOMS AGENTS	Simmons,R.& Co., 10 Ewan St., Mascot.	286565	Premise Match	28m	South West
GALVANISING & TINNING (G030)	Mascot Galvanising Works Pty. Ltd., 342 King St., Mascot	310215	Premise Match	35m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
IRRIGATION SYSTEMS & EQUIPMENT MFRS. &/OR DIST. (I720)	McCarey Irrigation Pty. Ltd, 11 Ewan St, Mascot	320808	Premise Match	35m	West
UPHOLSTERERS (U050)	Lawson,R., 14 Ewan St., Mascot	372072	Premise Match	40m	South West
MOTOR PANEL BEATERS (M680)	Kewin,G. H., 283 King St., Mascot	340168	Premise Match	43m	North East
MOTOR PAINTERS (M672)	Kewin,G. H., 283 King St., Mascot	339414	Premise Match	43m	North East
MOTOR GARAGES & ENGINEERS(M6S6)	Viscount Service Station, 283 King St. MASCOT	338828	Premise Match	43m	North East
MOTOR CAR/TRUCK DEALERS-NEW/USED (M520)	Mascot Motor Pty. Ltd., 180 O'Riordan St., Mascot	336115	Premise Match	44m	North East
SHEET METAL WORKERS (S230)	A. E. P. Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot, 2020	360516	Premise Match	51m	North
STEEL FABRICATORS (S673)	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot, 2020	365148	Premise Match	51m	North
ELECTRICAL METER BOX & SURROUNDS-MFRS.(E318)	A.E.P.Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot, 2020	295494	Premise Match	51m	North
ELECTRICAL SWITCHBOARD MANUFACTURERS (E335)	A.E.P.Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot, 2020.	296188	Premise Match	51m	North
ENGINEERS-HOT WATER,VENTILATING (E640)	A. E. P. Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot, 2020	299841	Premise Match	51m	North
AIR CONDITIONING UNITS &MACHINERY MFRS(A250)	A.E.P. Air Conditioning Pty. Ltd., 205 O'Riordan St., Mascot	260779	Premise Match	51m	North
ENGINEERS-FABRICATING (E580)	A.E.P. Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot, 2020	298398	Premise Match	51m	North
ENGINEERS-AIR CONDITIONING (E490)	A.E.P.Air Conditioning Pty. Ltd., 205 O'Riordan St., Mascot	297316	Premise Match	51m	North
VENTILATING EQUIPMENT MFRS.&/OR DISTRIBUTORS (V120)	A.E.P.Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot, 2020	372516	Premise Match	51m	North
WELDERS-ELECTRIC &/OR OXY (W145)	A.E.P.Sheet Metal Pty. Ltd., 205 O'Riordan St., Mascot, 2020	373411	Premise Match	51m	North
MOTOR GARAGES & ENGINEERS(M6S6)	Quartly's Service Station, 322 King St. MASCOT	338461	Premise Match	55m	East
CONCRETE CORING & SAWING CONTRACTORS	ALLAN ROYLE DRILLING ENGINEERING COMPANY, (A Division of Dickson Primer Industries), 287 KING ST., MASCOT, 2020	285119	Premise Match	61m	North
PUMP MANUFACTURERS &/OR DISTRIBUTORS (P906)	Allan Royle Drilling Engineering Co., 287 King St., Mascot	353729	Premise Match	61m	North
PUMP EQUIPMENT MANUFACTURERS &/OR DISTRIBUTORS (P902)	Allan Royle Drilling Engineering Co., 287 King St., Mascot.	353675	Premise Match	61m	North
IRRIGATION SYSTEMS & EQUIPMENT MFRS. &/OR DIST. (I720)	Allan Royle Drilling Engineering Co., 287 King St., Mascot.	320789	Premise Match	61m	North
BORING CONTRACTORS (B590)	Allan Royle Drilling Engineering Co., 287 King St., Mascot.	269320	Premise Match	61m	North
WELL-DRILLING EQUIP.MFRS. (W165)	Allan Royle Engineering Co., 287 King St., Mascot.	374198	Premise Match	61m	North
WELL-DRILLING CONTRACTORS(W163)	Allan Royle Drilling Engineering Co., 287 King St., Mascot	374191	Premise Match	61m	North
SITE INVESTIGATIONS	ALLAN ROYLE DRILLING ENGINEERINGCOMPANY (A Division of Dickson Primer Industries), 287 KING St., MASCOT, 2020	361755	Premise Match	61m	North
EARTH MOVING EQUIP.MFRS.,IMPORTERS &/OR DIST.(E020)	Ateco Pty. Ltd., 279 King St., Mascot	292926	Premise Match	62m	North East
TRAILER & SEMI-TRAILER SPARE PARTS-MFRS.&/OR DIST.(T590)	Gwynne,R.L.Pty. Ltd., 279 King St., Mascot	370710	Premise Match	62m	North East
WINCH MANUFACTURERS &/OR DISTRIBUTORS (W220)	McKee Sales Pty. Ltd, 279 King St, Mascot	374281	Premise Match	62m	North East
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Airport Service Station, 239 O'Riordan St. MASCOT	340739	Premise Match	66m	South
TOBACCO PROCESSORS (T435)	Godfrey Phillips International Pty. Ltd., 6-8 Sarah St., Mascot	369190	Premise Match	74m	South
CIGARETTE MANUFACTURERS &/OR WHOLESALERS (C362)	Godfrey, Phillips International Pty. Ltd., 6 Sarah St., Mascot	281799	Premise Match	74m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CIGAR IMPORT. &/OR DIST. (C343)	Godfrey Phillips International Pty. Ltd., 6 Sarah St., Mascot	281777	Premise Match	74m	South
CIGARETTE IMPORTERS &/OR DIST.(C353)	Godfrey, Phillips International Pty. Ltd., 6 Sarah St. Mascot	281787	Premise Match	74m	South
TOBACCO MERCH.-W'SALE (T430)	Godfrey Phillips International Pty. Ltd., 6-8 Sarah St., Mascot	369170	Premise Match	74m	South
CUSTOMS AGENTS (C782)	Air Freight Clearances Pty. Ltd., 10 Sarah St., Mascot, -2020	286587	Premise Match	76m	South West
BUILDERS & CONTRACTORS (B800)	Smith, AW Pty. Ltd., 14 Sarah St., Mascot	270384	Premise Match	81m	South West
FRENCH POLISHERS (F597)	Whitehead,E.S., 318 King St., Mascot	306285	Premise Match	84m	East
MOTOR SPARE PARTS MFRS. &/OR WHOLESALERS (M732)	Swedish Motor Importers Pty. Ltd., 200 O'Riordan St., Mascot.	342219	Premise Match	84m	South East
MARINE ENGINES-IMPORTERS,D1STS. &/OR MFRS. (M132)	Swedish Motors Pty. Ltd., 200 O'Riordan St., Mascot	325555	Premise Match	84m	South East
MOTOR SPARE PARTS MFRS. &/OR WHOLESALERS (M732)	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot.	342228	Premise Match	84m	South East
MOTOR CAR/TRUCK IMPORTERS/DISTRIBUTORS (M524)	Swedish Motor importers Pty. Ltd., 200 O'Riordan St., Mascot	336398	Premise Match	84m	South East
MOTOR CAR/TRUCK DEALERS-NEW/USED (M520)	Swedish Motors Pty. Ltd., 200 O'Riordan St., Mascot	336304	Premise Match	84m	South East
MOTOR SPARE PARTS DEALERS-RETAIL (M728)	Swedish Motors Pty. Ltd., 200 O'Riordan St., Mascot	342043	Premise Match	84m	South East
MOTOR SPARE PARTS DEALERS-RETAIL (M728)	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot	342052	Premise Match	84m	South East
MOTOR CAR/TRUCK IMPORTERS/DISTRIBUTORS (M524)	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot	336401	Premise Match	84m	South East
DIESEL ENGINE DISTRIBUTORS (D290)	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot	289611	Premise Match	84m	South East
MOTOR CAR/TRUCK DEALERS-NEW/USED (M520)	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot.	336318	Premise Match	84m	South East
ENGINEERS-DIESEL (E565)	Truck Sales St Service Pty. Ltd., 200 O'Riordan St., Mascot	298069	Premise Match	84m	South East
ROOM HEATERS-LIQUID FUEL-MFRS./DISTRIBUTORS (R435)	Dorin Engineering Pty. Ltd., 117 Robey St., Mascot	357961	Premise Match	95m	South East
ENGINEERS-HOT WATER,VENTILATING (E640)	Dorin Engineering Pty. Ltd., 117 Robey St., Mascot	299886	Premise Match	95m	South East
HOT WATER SYSTEMS-FUEL &LIQUID-MFRS. &/OR DIST.(H650)	Dorin Engineering Pty. Ltd., 117 Robey St., Mascot	316896	Premise Match	95m	South East
OIL BURNER MFRS. &/OR SUPPLIERS(O 090)	Dorm Engineering Pty. Ltd., 117 Robey St., Mascot	344966	Premise Match	95m	South East
CARBON PAPER MFRS. (C108)	Carbonmasters Pty. Ltd., 22 Ewan St., Mascot, 2020	277431	Premise Match	100m	South West
FOOTWEAR MFRS.-BOOTS/SHOES (F460)	Mac-Rae Shoes Pty. Ltd., 112 High St., Mascot, 2020	305325	Premise Match	103m	South East
LEATHER/GRINDERY MERCH. (L380)	Andrews, Albert Pty. Ltd, 112 High St, Mascot, 2020	323062	Premise Match	103m	South East
POLISH MFRS./DISTRIBUTORS (P638)	Bostik Aust. Pty. Ltd.,191-203 O'Riordan St.,Mascot	351040	Premise Match	114m	North
WAX MANUFACTURERS &/OR IMPORTERS (W115)	Bostik Aust.Pty. Ltd.,191-203 O'Riordan St.,Mascot	373322	Premise Match	114m	North
ADHESIVE MFRS &/OR DIST(S A120)	Bostik Aust Pty. Ltd., 191-203 O'Riordan St, Mascot	259708	Premise Match	114m	North
INSULATING MATERIAL MFRS. (I470)	Bostik Australia Pty. Ltd.,191-203 O'Riordan St.,Mascot	319806	Premise Match	114m	North
ENGINEERS-GENERAL &/OR MFRG.&/OR MECHANICAL (E615)	West,N.L.& Co., 26 Ewan St., Mascot	299767	Premise Match	116m	South West
WELDERS-ELECTRIC &/OR OXY (W145)	West,N.L.& Co., 26 Ewan St., Mascot	374058	Premise Match	116m	South West
MOTOR GARAGES & ENGINEERS(M6S6)	Rex-Press, 295 King St. MASCOT, 2020	338507	Premise Match	120m	North West
MOTOR PAINTERS (M672)	Rexpress, 295 King St., Mascot	339596	Premise Match	120m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR PANEL BEATERS (M680)	Rex-Press, 295 King St., Mascot	340369	Premise Match	120m	North West
ELECTRODES (WELDERS')-MANUFACTURERS (E340)	Murray-More,J.(N.S.W.) Pty. Ltd., 350-364 King St., Mascot	296297	Premise Match	122m	West
MOTOR PANEL BEATERS' SUPPLIES(M684)	Murray-More, J. (N.S.W.) Pty. Ltd., 350 King St., Mascot, 2020	340564	Premise Match	122m	West
STEEL MERCHANTS &/OR MFRS.-BRIGHT BARS & SECTIONS (S691)	Murray-More,J. (N.S.W.) Pty. Ltd., 350 King St., Mascot	365484	Premise Match	122m	West
STEEL MERCHANTS-BLACK SHEETS/STRIP (S688)	Murray-More, J. (N.S.W.) Pty. Ltd, 350 King St, Mascot	365534	Premise Match	122m	West
PIPES/PIPE FITTINGS MFRS. &/OR DISTRIBUTORS (P508)	Murray-More,J. (N.S.W.) Pty. Ltd., 350-364 King St., Mascot	349122	Premise Match	122m	West
ROOFING MATERIAL MFRS. &/OR DISTRIBUTORS (R415)	Murray-More,J. (N.S.W.) Pty. Ltd., 350-364 King St., Mascot	357875	Premise Match	122m	West
STEEL MERCHANTS-STRUCTURAL (S696)	Murray-More,J.(N.S.W.) Pty. Ltd., 350 King St., Mascot	365626	Premise Match	122m	West
STEEL MERCHANTS-GENERAL (S694)	Murray-More,J.(N.S.W.) Pty. Ltd., 350 King St., Mascot.	365594	Premise Match	122m	West
WELDING EQUIPMENT & SUPPLIES MFRS.&/OR DIST. (W155)	Murray-More,J.(N.S.W.) Pty. Ltd., 350-364 King St., Mascot	374139	Premise Match	122m	West
GALVANISED IRON MERCH. (G010)	Murray-More,J.(N.S.W.) Pty. Ltd., 350-364 King St., Mascot	310197	Premise Match	122m	West
IRON MERCHANTS (I680)	Murray-More,J. (N.S.W.) Pty. Ltd., 350 King St., Mascot	320771	Premise Match	122m	West
STEEL IMPORTERS (S679)	Murray-More,J. (N.S.W.) Pty. Ltd., 350-364 King St., Mascot	365457	Premise Match	122m	West
STEEL REINFORCEMENT DIST. (S709)	Murray-More,J.(N.S.W.) Pty. Ltd., 350-364 King St., Mascot	365667	Premise Match	122m	West
PLASTIC SIGNS,LETTER MFRS. (P590)	M. I. C. Displays Pty. Ltd., 28 Ewan St., Mascot, 2020	350144	Premise Match	130m	South West
FLUORESCENT LIGHTING EQUIPMENT MANUFACTURERS (F365)	Vicroft Pty. Ltd., 28 Ewan St., Mascot	304606	Premise Match	130m	South West
DISPLAY FITTINGS-MFRS.&/OR SUPPLIERS (D350)	M.I.C.Displays Pty. Ltd., 28 Ewan St., Mascot, 2020	289781	Premise Match	130m	South West
ELECTRIC LIGHT FITTINGS (SHADES,STANDARD BRACKETS,ETC)MFRS.&/OR DIST.(E165)	Vicroft Pty. Ltd., 28 Ewan St., Mascot, 2020.	293893	Premise Match	130m	South West
ADVERTISING DISPLAY SPEC. (A160)	M.I.C Displays Pty. Ltd., 28 Ewan St., Mascot, 2020	260172	Premise Match	130m	South West
ELECTRIC LIGHTING SPECIALISTS-INSTALLERS &/OR DESIGNERS(E180)	Vicroft Pty. Ltd., 28 Ewan St., Mascot, 2020	293991	Premise Match	130m	South West
MOTOR PAINTERS (M672)	Gwydir Motors, 30 Ewan St., Mascot	339345	Premise Match	142m	West
MOTOR PANEL BEATERS (M680)	Gwydir Motors, 30 Ewan St., Mascot	340096	Premise Match	142m	West
HIRE CAR SERVICES (H430)	Embassy Hire Cars, 137 Baxter Rd., Mascot	316218	Premise Match	145m	South
HIRE CAR SERVICES (H430)	Kingsford Smith Hire Cars (Sydney Airport) Pty. Ltd., 137 Baxter Rd., Mascot	316226	Premise Match	145m	South
TAXIS (T120)	Kingsford Smjth Airport Hire Car Service, 137 Baxter Rd., Mascot	367491	Premise Match	145m	South

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## 1970 Business Directory Records Road or Area Matches

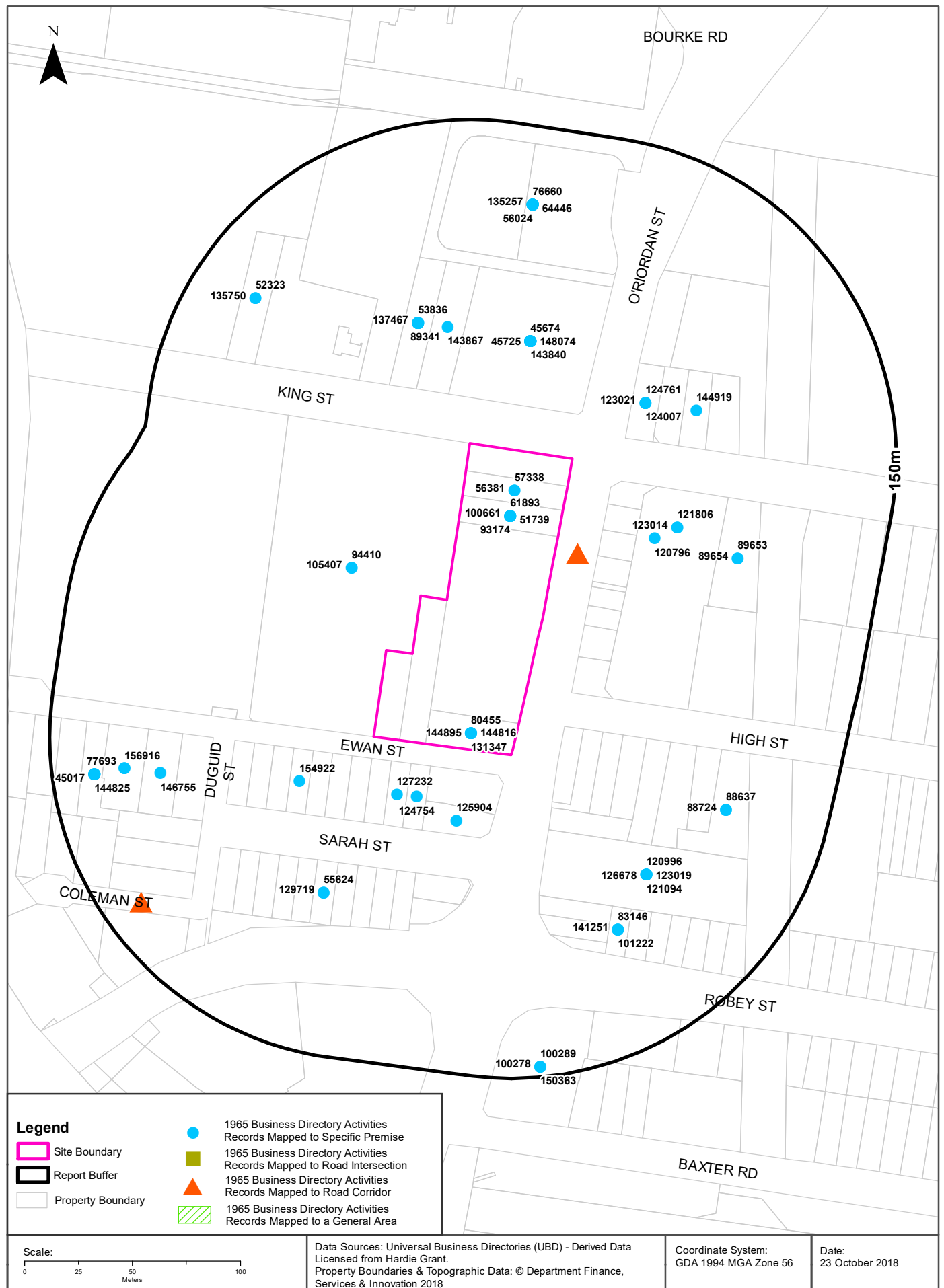
Records from the 1970 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
STAINLESS STEEL FABRICATORS(S483)	Pacific Welding Engineers Pty. Ltd, Coleman St Mascot	364084	Road Match	113m

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# 1965 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





# Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 1965 Business Directory Records Premise or Road Intersection Matches

Records from the 1965 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Painters - Spray	McEnnally, R. & P. Industrial Finishers, 235 O'Riordan St., Mascot	131347	Premise Match	0m	Onsite
Enamellers	McEnnally, R. & P. industrial Finishers., 235 O'Riordan St., Mascot	80455	Premise Match	0m	Onsite
SPRAYERS ---INDUSTRIAL	McEnnally, R. & P. Industrial Finishers , 233 O'Riordan Mascot	146772	Premise Match	0m	Onsite
TENTS/TARPAULINS	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	150650	Premise Match	0m	Onsite
Furniture - Garden & Ornamental - Mfrs. &/or Wholesalers	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	93174	Premise Match	0m	Onsite
Blind Mfrs. - Canvas & Awning	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	51698	Premise Match	0m	Onsite
Blind Mfrs. - Holland	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	51739	Premise Match	0m	Onsite
Canvas Goods Mfrs. &/or Wholesalers	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	61893	Premise Match	0m	Onsite
Horse/Cow Rug Manufacturers	Goodearls Pty. Ltd., 219 O'Riordan St., Mascot	100661	Premise Match	0m	Onsite
SIGN MANUFACTURERS	O'Harris Advertising, 1 Ewan St., Mascot	144816	Premise Match	0m	Onsite
Screen Process Printers	O'Harris Advertising., Cnr. Ewan & O'Riordan Sts., Mascot	143347	Premise Match	0m	Onsite
Buildings Refabricated - Mfrs. &/or Dists.	U-Do-It Prefabricatione., 217 O'Riordan St., Mascot	57338	Premise Match	0m	Onsite
Builders' Suppliers	U-Do-It Prefabrications., 217 O'Riordan St., Mascot	56381	Premise Match	0m	Onsite
SIGNWRITERS	O'Harris Advertising, 1 Ewan St., Mascot	144895	Premise Match	0m	Onsite
Motor Panel Beaters	Kable & Abbey Pty. Ltd., 2 Ewan St., Mascot	124754	Premise Match	25m	South
Motor Trimmers	Hyde, Frank, 4 Ewan St., Mascot	127232	Premise Match	25m	South West
Motor Service Stations - Petrol, Oil, Etc.	Airport Service Station, 239 O'Riordan St. Mascot	125904	Premise Match	33m	South
Galvanising & Tining	Mascot Galvanising Works Pty. Ltd., 342 King St., Mascot	94410	Premise Match	35m	West
Irrigation Systems & Equipment Mfrs. &/or Dists.	McCarey Irrigation Pty. Ltd., 338a King St., Mascot	105407	Premise Match	35m	West
Upholsterers	Lawson, R., 14 Ewan St., Mascot	154922	Premise Match	40m	South West
Motor Painters	Kewin, G. H., 283 King St., Mascot	124007	Premise Match	43m	North East
Motor Panel Beaters	Kewin, G. H., 283 King St., Mascot	124761	Premise Match	43m	North East
Motor Garages & Engineers	Viscount Service Station, 283 King St. Mascot	123021	Premise Match	43m	North East
Motor Car/Truck Dealers - New/Used	Mascot Motor Repair Pty. Ltd., 180 O'Riordan St., Mascot	120796	Premise Match	44m	North East
Sheet Metal Workers	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	143840	Premise Match	51m	North
Electrical Meter Box & Surrounds - Mfrs.	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	79152	Premise Match	51m	North
Electrical Switchboard Mfrs.	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	79868	Premise Match	51m	North

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
STEEL FABRICATORS	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	148074	Premise Match	51m	North
Air Equipment Mfrs. &/or Dists.	A.E.P. Air Conditioning Pty. Ltd., 205 O'Riordan St., Mascot	45725	Premise Match	51m	North
Air Conditioning Units & Machinery Mfrs.	A.E.P. Air Conditioning Pty. Ltd., 205 O'Riordan St., Mascot	45674	Premise Match	51m	North
Air Conditioning Units & Machinery Mfrs.	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	45679	Premise Match	51m	North
Engineers - Air Conditioning	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	80658	Premise Match	51m	North
Engineers - Fabricating	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	81677	Premise Match	51m	North
Engineers - Hot Water, Heating/Ventilating	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	83102	Premise Match	51m	North
Welders - Electric &/or Oxy	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	156232	Premise Match	51m	North
Ventilating Equipment Mfrs. &/or Distributors	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	155351	Premise Match	51m	North
Motor Garages & Engineers	Quartly's Service Station, 322 King St. Mascot	123014	Premise Match	54m	North East
Motor Electricians	Quartly's Service Station, 322 King St., Mascot	121806	Premise Match	54m	North East
Sheet Metal Workers	Byrne & Thomas Pty. Ltd., 285 King St., Mascot	143867	Premise Match	55m	North
Boring Contractors	Architects Boring & Foundation Testing Co. , 287 King St., Mascot	53827	Premise Match	61m	North
Boring Contractors	Royle, A. Pty. Ltd., 287 King St., Mascot	53836	Premise Match	61m	North
Pump Equipment Manufacturers &/Or Distributors	Royle, Allan Pty. Ltd., 287 King St., Mascot	137467	Premise Match	61m	North
Foundation testing	Allan Royle Pty. Ltd., 287 King St., Mascot	89341	Premise Match	61m	North
Well - Drilling Contractors	Allan Royle Pty. Ltd., 287 King St., Mascot	157035	Premise Match	61m	North
Well - Drilling Contractors	Architects, Boring & Foundation Testing Ltd.Co. , 287 King St., Mascot	157036	Premise Match	61m	North
SIGNWRITERS	Taylor, R., 279 King St., Mascot	144919	Premise Match	62m	North East
Oils - Lubricating - Merchants	Rocol (Aust.) Pty. Ltd., 10-12 Sarah St., Mascot	129719	Premise Match	76m	South West
Builders & Contractors	Smith, A. W. Pty. Ltd., 10-12 Sarah St., Mascot	55624	Premise Match	76m	South West
French Polishers	Whitehead & Brown, 318 King St., Mascot	89653	Premise Match	84m	East
French Polishers	Whitehead, E. S., 318 King St., Mascot	89654	Premise Match	84m	East
Motor Garages & Engineers	Truck Sales & Service Pty. Ltd., 200 O'Riordan St. Mascot	123019	Premise Match	84m	South East
Motor Spare Parts Mfrs. &/or Wholesalers	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot	126835	Premise Match	84m	South East
Motor Spare Parts Dealers - Retail	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot	126678	Premise Match	84m	South East
Motor Car/Truck Dealers - New/Used	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot	120996	Premise Match	84m	South East
Motor Car/Truck Importers/Distributors	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot	121094	Premise Match	84m	South East
Fork Lift Truck Importers &/or Distributors	Truck Sales & Service Pty. Ltd., 200 O'Riordan St., Mascot	89274	Premise Match	84m	South East
Room Heaters - Liquid Fuel - Mfrs./Dists.	Dorin Engineering Pty. Ltd., 117 Robey St., Mascot	141251	Premise Match	95m	South East
Hot Water Systmes - Fuel & Liquid - Mfrs. &/or Dists.	Dorin Engineering Pty. Ltd., 117 Robey St., Mascot	101222	Premise Match	95m	South East
Engineers - Hot Water, Heating/Ventilating	Dorin Engineering Pty. Ltd., 117 Robey St., Mascot	83146	Premise Match	95m	South East
SPRAYERS ---INDUSTRIAL	Color Spraying , 22 Ewan St., Mascot	146755	Premise Match	100m	South West
Footwear Mfrs., Repairers &/or Suppliers	Andrews, A. Pty. Ltd., 112 High St., Mascot	88724	Premise Match	103m	South East
Footwear Mfrs. - Boots/Shoes	Mac-Rae Shoe Mfrg. Co., 112 High St., Mascot	88637	Premise Match	103m	South East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Chemists - Manufacturing &/or Wholesale	B. B. Chemical of Aust. Pty. Ltd., 191 O'Riordan St., Alexandria	64446	Premise Match	114m	North
Dye & Bleach Manufacturers Imports. &/or Dists.	B.B. Chemical Co. of Aust. Pty. Ltd., 191 O'Riordan St., Alexandria	76660	Premise Match	114m	North
Adhesive Mfrs. &/or Dists.	Bostik Aust. Pty. Ltd., 191-203 O'Riordan St., Mascot	44588	Premise Match	114m	North
Polish Manufacturers/Distributors	Bostik Aust. Pty. Ltd., 191-203 O'Riordan St., Mascot	135257	Premise Match	114m	North
Wax Mfrs. &/or Importers	Bostik Aust. Pty. Ltd., 191-203 O'Riordan St., Mascot	156078	Premise Match	114m	North
Sealing Compounds	Bostik Australia Pty. Ltd., 191-203 O'Riordan St., Mascot	143423	Premise Match	114m	North
Insulating Material Mfrs.	Bostik Australia Pty. Ltd., 191-203 O'Riordan St., Mascot	103950	Premise Match	114m	North
Motor Painters	Kable & Abbey Ply. Ltd., 191 O'Riordan St., Mascot	124001	Premise Match	114m	North
Motor Body Repairs/Converters	Kable & Abbey Pty. Ltd., 191 O'Riordan St., Mascot	120171	Premise Match	114m	North
Motor Trimmers	Hyde, Frank, 191 O'Riordan St., Mascot	127233	Premise Match	114m	North
Builders' Suppliers	Bostik Australia Pty. Limited , 191-203 O'Riordan St., Mascot	56024	Premise Match	114m	North
Milk Vendors	Taylor, J. W., 191 O'Riordan St., Mascot	115933	Premise Match	114m	North
Engineers - Lifting/Handling	West, N. L. & Co. , 26 Ewan St., Mascot	83365	Premise Match	116m	South West
Welders - Electric &/or Oxy	West, N. L. & Ltd.Co. , 26 Ewan St., Mascot	156916	Premise Match	116m	South West
BOILERMAKERS	Byrne & Thomas Pty. Ltd., 295 King St., Mascot	52323	Premise Match	120m	North West
Pressure Vessel Mfrs.	Byrne & Thomas Pty. Ltd., 295 King St., Mascot	135750	Premise Match	120m	North West
Plastic Manufacturers &/or Moulders	Signcraft Pty. Ltd., 28 Ewan St., Mascot	134148	Premise Match	130m	South West
Electric Sign Manufacturers &/or Installers	Signcraft Pty. Ltd., 28 Ewan St., Mascot	78185	Premise Match	130m	South West
Fluorescent Lighting Spec.	Signcraft Pty. Ltd., 28 Ewan St., Mascot	88042	Premise Match	130m	South West
Fluorescent Lighting Equipment Manufacturers	Vicroft Pty. Ltd., 28 Ewan St., Mascot	87985	Premise Match	130m	South West
Electric Light Fittings (Shades, Standard Brackets, Etc.) Mfrs. &/or Dists.	Vicroft Pty. Ltd., 28 Ewan St., Mascot	77693	Premise Match	130m	South West
SIGN MANUFACTURERS	Signcraft Pty. Ltd., 28 Ewan St., Mascot	144825	Premise Match	130m	South West
Advertising Display Spec.	Signcraft Pty. Ltd., 28 Ewan St., Mascot	45017	Premise Match	130m	South West
Hire Car Services	Embassy Hire Cars, 137 Baxter Rd., Mascot	100278	Premise Match	145m	South
TAXIS	Kingsford Smith Airport Hire Car Service , 137 Baxter Rd., Mascot	150363	Premise Match	145m	South
Hire Car Services	Kingsford Smith Airport Hire Car Service, 137 Baxter Rd., Mascot	100289	Premise Match	145m	South

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## 1965 Business Directory Records Road or Area Matches

Records from the 1965 UBD Business Directory, 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:

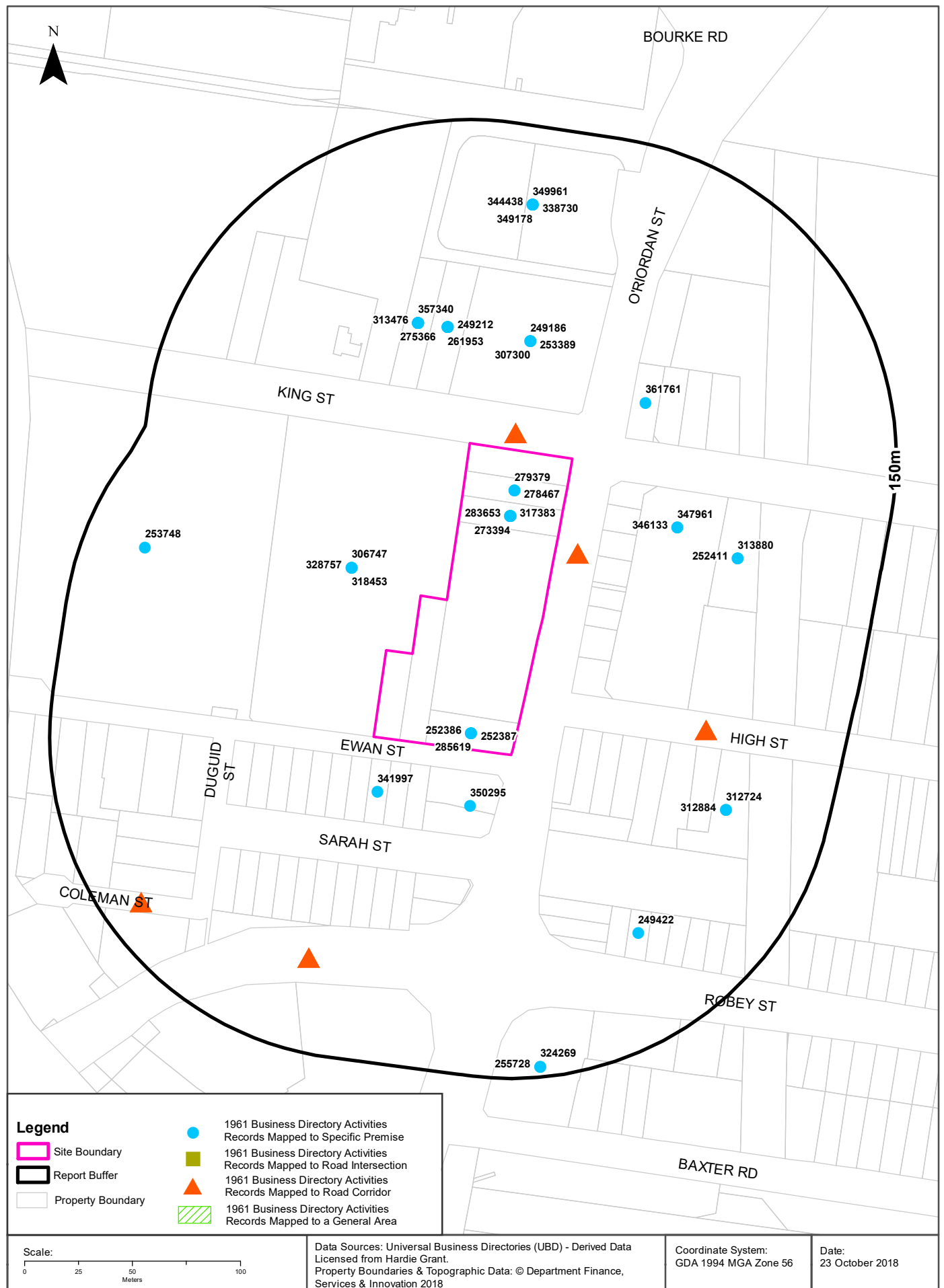
Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
Engineers General &/or Mfrg. &/or Mechanical	Lekod Pty. Ltd., 210 O'Riordan St., Mascot	82567	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
Motor Car Spring Mfrs.	Lewis, A. H. Pty. Ltd., O'Riordan St., Mascot	121212	Road Match	0m
Radio &/or T.V. Component Parts Mfrs.	Magnavox (Aust.) Pty. Ltd., 410 O'Riordan St., Alexandria	137802	Road Match	0m
Engineers - Repitition	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	84103	Road Match	0m
Plastic Manufacturers &/or Moulders	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	134149	Road Match	0m
Condiment Mfrs. &/or Dists.	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	70019	Road Match	0m
Engineers General &/or Mfrg. &/or Mechanical	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	82888	Road Match	0m
Metal Pressers/Stampers	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	114520	Road Match	0m
Cardboard Box & Carton Mfrs.	Winna Box Factory Pty. Ltd., 74 Old Botany Rd., Mascot	62226	Road Match	0m
Pressure Vessel Mfrs.	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	135769	Road Match	113m
STAINLESS STEEL EQUIPMENT/ UTENSIL MANUFACTURERS	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	146993	Road Match	113m
STAINLESS STEEL FABRICATORS	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	147048	Road Match	113m
TANK & TANK STAND MFRS. & SUPPLIERS	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	149966	Road Match	113m
Welders - Electric &/or Oxy	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	156707	Road Match	113m

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# 1961 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



# Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 1961 Business Directory Records Premise or Road Intersection Matches

Records from the 1961 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
SPRAYERS-INDUSTRIAL	McEnnally, R. & P., 235 O'Riordan St., Mascot	252386	Premise Match	0m	Onsite
SPRAYERS-INDUSTRIAL	McEnnally R & P 235 O'Riordan St., Mascot	252387	Premise Match	0m	Onsite
CARRIERS & CARTAGE CONTRACTORS-MASTER	Corfield, E. G., 233 O'Riordan St., Mascot	285619	Premise Match	0m	Onsite
FURNITURE-GARDEN & ORNAMENTAL-MFRS. &/OR WHOLESALEERS	Goodearis Pty. Ltd., 219 O'Riordan St., Mascot	317383	Premise Match	0m	Onsite
CANVAS GOODS MFRS. &/OR W'SALERS	Goodearis Pty. Ltd., 219 O'Riordan St., Mascot	283653	Premise Match	0m	Onsite
TENTS/TARPAULINS	Goodearis Pty. Ltd., 219 O'Riordan St., Mascot	256106	Premise Match	0m	Onsite
HORSE/COW RUG MFRS.	Goodearis Pty. Ltd., 219 O'Riordan St., Mascot	324581	Premise Match	0m	Onsite
BLIND MFRS.-CANVAS & AWNING	Goodearis Pty. Ltd., 219 O'Riordan St., Mascot	273364	Premise Match	0m	Onsite
BLIND MFRS.-HOLLAND	Goodearis Pty. Ltd., 219 O'Riordan St., Mascot	273394	Premise Match	0m	Onsite
BUILDINGS-PREFABRICATED-MFRS. &/OR DIST.	U-Do-It Prefabrications, 217 O'Riordan St., Mascot	279379	Premise Match	0m	Onsite
BUILDERS' SUPPLIERS	U-Do-It Prefabrications, 217 O'Riordan St., Mascot	278467	Premise Match	0m	Onsite
MIXED BUSINESS	Ogden's Store, 6 Cook St., Mascot	341997	Premise Match	25m	South West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Airport Service Station, 239 O'Riordan St. MASCOT	350295	Premise Match	26m	South
GALVANISING & TINNING	Mascot Galvanising Works Pty. Ltd., 342 King St., Mascot	318453	Premise Match	35m	West
ENGINEERS-GENERAL/MFRG./MECHANICAL	McCary Irrigation & Engineering, King St., Mascot	306747	Premise Match	35m	West
IRRIGATION SYSTEMS & EQUIPMENT MFRS. &/OR DIST.	McCary Irrigation & Engineering, King St., Mascot	328757	Premise Match	35m	West
PRESSURE VESSEL MFRS.	Byrne & Thomas Pty. Ltd., 283 King St., Mascot	361761	Premise Match	43m	North East
SHEET METAL WORKERS	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	249186	Premise Match	51m	North
STEEL FABRICATORS	Austral Engineering Products Pty. Ltd., 205 O'Riordan St., Mascot	253389	Premise Match	51m	North
ENGINEERS-HOT WATER, HEATING/VENTILATING	Austral Engrg. Products Pty. Ltd., 205 O'Riordan St., Mascot	307300	Premise Match	51m	North
MOTOR ELECTRICIANS	Quartly's Service Station, 322 King St., Mascot	346133	Premise Match	54m	North East
MOTOR GARAGES & ENGINEERS	Quartly's Service Station, 322 King St. Mascot	347961	Premise Match	54m	North East
SHEET METAL WORKERS	Byrne & Thomas Pty Ltd 285 King St., Mascot	249212	Premise Match	55m	North
SHEET METAL WORKERS	Byrne & Thomas Pty. Ltd., 285 King St., Mascot	249213	Premise Match	55m	North
BOILERMAKERS	Byrne & Thomas Pty. Ltd., 285 King St., Mascot	273896	Premise Match	55m	North
WELDERS-ELECTRIC &/OR OXY	Byrne & Thomas Pty Ltd 285 King St., Mascot	261953	Premise Match	55m	North

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
WELDERS-ELECTRIC &/OR OXY	Byrne & Thomas Pty. Ltd., 285 King St., Mascot	261954	Premise Match	55m	North
PERCUSSION DRILLING & PUMP INSTALLATION	Allan Royle Pty. Ltd., 287 King St., Mascot	357339	Premise Match	61m	North
BORING CONTRACTORS	Allan Royle Pty. Ltd., 287 King St., Mascot. Phone 67 2376	275364	Premise Match	61m	North
IRRIGATION SYSTEMS & EQUIPMENT MFRS. &/OR DIST.	Allan, Royle Pty. Ltd., 287 King St., Mascot	328743	Premise Match	61m	North
BORING CONTRACTORS	Alum Royle Pty Ltd 287 King St., Mascot	275365	Premise Match	61m	North
BORING CONTRACTORS	Architects Boring & Foundation Testing Co., 287 King St., Mascot	275366	Premise Match	61m	North
PERCUSSION DRILLING & PUMP INSTALLATION	Architects, Boring & Foundation Testing Co., 287 King St., Mascot	357340	Premise Match	61m	North
FOUNDATION TESTING	Allan Royle Pty. Ltd, 287 King St., Mascot	313476	Premise Match	61m	North
SPRAYERS-INDUSTRIAL	Whitehead & Brown, 318 King St., Mascot	252411	Premise Match	84m	East
FRENCH POLISHERS	Whitehead & Brown, 318 King St., Mascot	313880	Premise Match	84m	East
SHEET METAL WORKERS	T.F.P. Engineering Pty. Ltd., 117 Roben St., Mascot	249422	Premise Match	102m	South East
FOOTWEAR MFRS., REPAIRERS &/OR SUPPLIERS	Andrews, A. Pty. Ltd., 112 High St., Mascot	312724	Premise Match	103m	South East
FOOTWEAR MFRS.-BOOTS/SHOES	Mac-Rae Shoe Mfrg. Co., 112 High St., Mascot	312884	Premise Match	103m	South East
MOTOR PAINTERS	Smith & Bassett Pty. Ltd., 191 O'Riordan St., Mascot	349178	Premise Match	114m	North
MOTOR PANEL BEATERS	Smith & Bassett Pty. Ltd., 191 O'Riordan St., Mascot	349961	Premise Match	114m	North
MOTOR BODY REPAIRS/CONVERTERS	Smith & Bassett Pty. Ltd., 191 O'Riordan St., Mascot	344438	Premise Match	114m	North
MOTOR TRIMMERS	Hyde, Frank, 191 O'Riordan St., Mascot	352284	Premise Match	114m	North
MILK VENDORS	Taylor, J. W., 191 O'Riordan St., Mascot	338730	Premise Match	114m	North
STEEL MERCHANTS-GENERAL	Murray-Moore, J. (N.S.W.) Pty. Ltd., 346 King St., Mascot	253748	Premise Match	122m	West
TAXIS	Kingsford Smith Airport Hire Car Service, 137 Baxter Rd., Mascot	255728	Premise Match	145m	South
HIRE CAR SERVICES	Kingsford Smith Airport Hire Car Service, 137 Baxter Rd., Mascot	324269	Premise Match	145m	South

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## 1961 Business Directory Records Road or Area Matches

Records from the 1961 UBD Business Directory, 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:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
MOTOR GARAGE EQUIPMENT/TOOL MFRS./DISTRIBUTORS	Clayton (Aust.) Pty. Ltd., O'Riordan St., Mascot	346420	Road Match	0m
STEAM PLANT EQUIPMENT MFRS. &/OR DIST.	Clayton Industries (Aust.) Pty. Ltd., O'Riordan St., Mascot	253263	Road Match	0m
STEAM CLEANING EQUIP. MFRS.	Clayton Manufacturing (Aust) Pty Ltd 29-31 Old Botany Rd., Mascot	253237	Road Match	0m
BOILERMAKERS	Clayton Manufacturing (Aust.) Pty. Ltd., 29-31 Old Botany Rd., Mascot	273902	Road Match	0m
MOTOR GARAGES & ENGINEERS	Clayton Manufacturing Pty. Ltd., O'Riordan St. MASCOT	346898	Road Match	0m

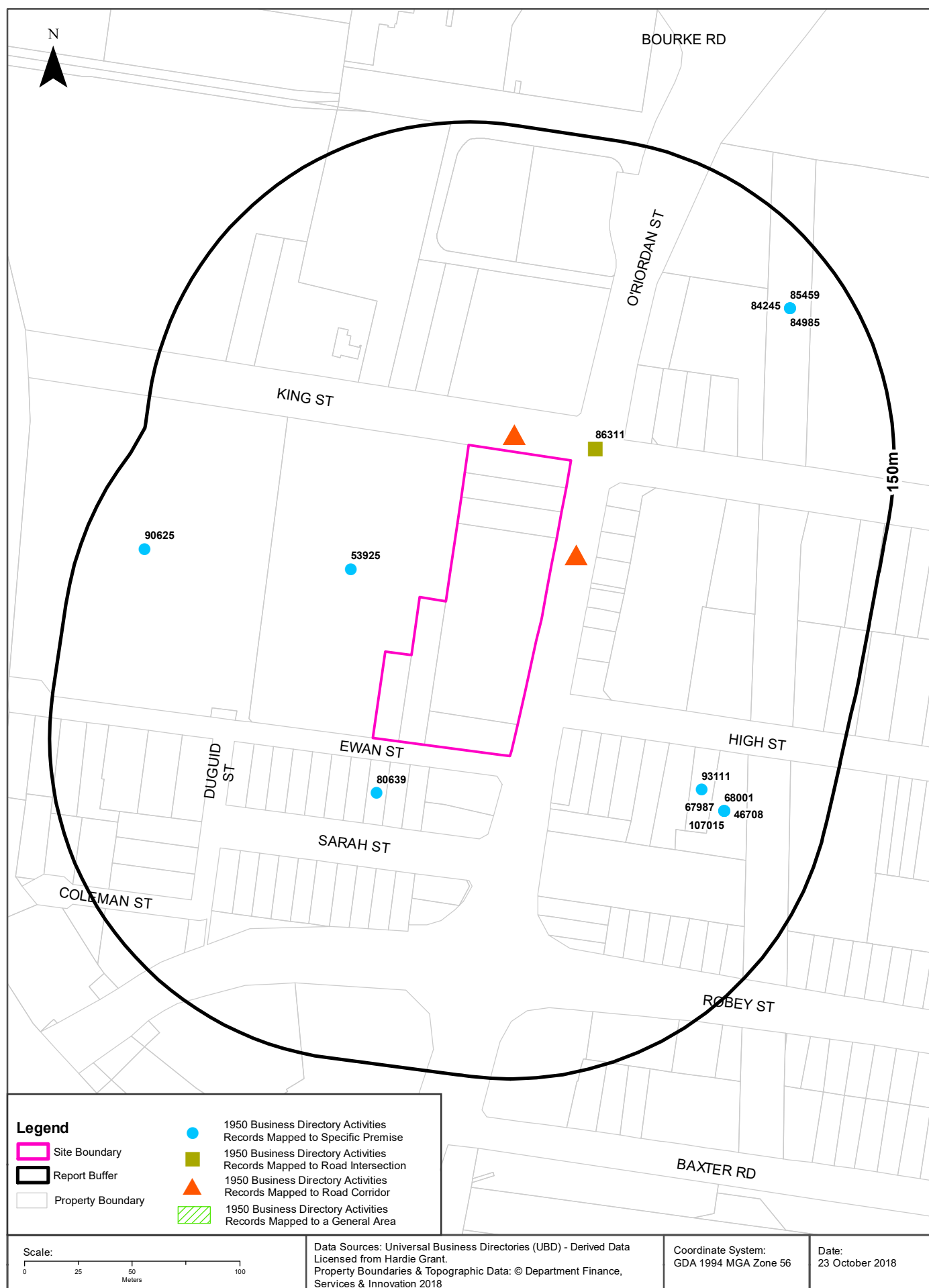


Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
BOND & FREE STORES	Cook, A. & Sons Pty. Ltd., 747-761 King St., Mascot.	274134	Road Match	0m
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Lewis, A. H. Pty. Ltd., O'Riordan St. MASCOT	350787	Road Match	0m
MOTOR CAR SPRING MFRS.	Lewis, A. H. Pty. Ltd., O'Riordan St., Mascot	344797	Road Match	0m
WELDING ARC SET MFRS.	Samson Arcwell Electrical Pty. Ltd., 4-6 Old Botany Rd., Mascot	262606	Road Match	0m
WELDING MACHINE MFRS.	Samson Arcwell Electrical Pty. Ltd., 4-6 Old Botany Rd., Mascot	262675	Road Match	0m
ELECTRODES (WELDERS') - MANUFACTURERS	Samson Arcwell Electrical Pty. Ltd., 6 Old Botany Rd., Mascot	303704	Road Match	0m
PENCIL SHARPENER MFRS.	Standfield R A Pty Ltd 210 O'Riordan St., Mascot	357308	Road Match	0m
CONDIMENT MFRS. &/OR DISTS.	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	292560	Road Match	0m
ENGINEERS-GENERAL/MFRG./MECHANICAL	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	307055	Road Match	0m
ENGINEERS-REPETITION	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	308330	Road Match	0m
METAL PRESSERS/STAMPERS	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	338319	Road Match	0m
CARDBOARD BOX & CARTON MANUFACTURERS	Winna Box Factory Pty. Ltd., 74 Old Botany Rd., Mascot	284041	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Spooner & Spooner, High St., Mascot	285359	Road Match	21m
PLASTIC MFRS. &/OR MOULDERS	Standfield, R. A. Pty. Ltd., 210 O'Riordan St., Mascot	359468	Road Match	74m
ROPE, CORDAGE & TWINE MFRS. &/OR DISTRIBUTORS	Scott, J. Pty. Ltd., Robey St., Mascot	246821	Road Match	87m
ROPE, CORDAGE/TWINE MERCHANTS	Scott, J. Pty. Ltd., Robey St., Mascot	246853	Road Match	87m
STAINLESS STEEL MANUFACTURERS &/OR SUPPLIERS	Pacific Welding Engineers Pty. Limited, Coleman St., Mascot	252701	Road Match	113m
PRESSURE VESSEL MFRS.	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	361786	Road Match	113m
STAINLESS STEEL EQUIPMENT/UTENSIL MANUFACTURERS	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	252620	Road Match	113m
STAINLESS STEEL FABRICATORS	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	252669	Road Match	113m
WELDERS-ELECTRIC &/OR OXY	Pacific Welding Engineers Pty. Ltd., Coleman St., Mascot	262349	Road Match	113m
STEEL FABRICATORS	Pacific Welding Engineers, Coleman St., Mascot	253513	Road Match	113m

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# 1950 Historical Business Directory Records

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 1950 Business Directory Records Premise or Road Intersection Matches

Records from the 1950 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR SERVICE STATIONS-PETROL, Etc.	Quartleys Garage, Cnr. King St. and Old Botany Rd., Mascot	86311	Road Intersection	13m	North East
MIXED BUSINESSES & GENERAL STORES	Nile, F., 6 Cook St., Mascot	80639	Premise Match	25m	South West
GALVANISING	Mascot Galvanising Works, 342 King St., Mascot	53925	Premise Match	35m	West
PIPES & PIPE FITTINGS MANUFACTURERS	Martin, R., 114 High St./Mascot	93111	Premise Match	90m	South East
TANNERS	N.S.W. Sole and Heel Co., 112 High St., Mascot	107015	Premise Match	103m	South East
FOOTWEAR MANUFACTURERS' SUPPLIERS	N.S.W. Sole and Heel Co., 112 High St., Mascot	46708	Premise Match	103m	South East
LEATHER & GRINDERY MERCHANTS	Ives, W., 112 High St., Mascot	67987	Premise Match	103m	South East
LEATHER & GRINDERY MERCHANTS	N.S.W. Sole and Heel Co., 112 High St., Mascot	68001	Premise Match	103m	South East
PAINT, VARNISH & STAIN MANUFACTURERS	Consolidated Paints and Products Co., 358 King St., Mascot	90625	Premise Match	122m	West
MOTOR GARAGES &/OR ENGINEERS	Quartly, A., 273 King St., Mascot	84245	Premise Match	124m	North East
MOTOR PAINTERS	Quartly, A., 273 King St., Mascot	84985	Premise Match	124m	North East
MOTOR PANEL BEATERS	Quartly, A., 273 King St., Mascot	85459	Premise Match	124m	North East

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### 1950 Business Directory Records Road or Area Matches

Records from the 1950 UBD Business Directory, 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:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
STEAM CLEANING EQUIPMENT MANUFACTURERS	Andersen Engineering Pty. Ltd., 29-35 Old Botany Rd., Mascot	105132	Road Match	0m
CHEMICAL MANUFACTURERS	Andersen Products Pty. Ltd., 29 Old Botany Rd., Mascot	20985	Road Match	0m
MACHINERY MERCHANTS &/OR IMPORTERS	Andersen Products Pty. Ltd., 29 Old Botany Rd., Mascot	70007	Road Match	0m
MANUFACTURERS' AGENTS	Andersen Products Pty. Ltd., 29-35 Old Botany Rd. Mascot	70749	Road Match	0m
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Andersen, P. M. Eng. Pty. Ltd., 29-35 Old Botany Rd., Mascot	40398	Road Match	0m
CHEMISTS-MANUFACTURING & WHOLESALE	Andersol Chemicals Pty. Ltd., 20-35 Old Botany Rd., Mascot	70405	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
CHEMICAL MANUFACTURERS	Andersol Chemicals Pty. Ltd., 29 Old Botany Rd., Mascot	20986	Road Match	0m
CLEANSER & CLEANING PREPARATIONS MFRS. &/OR DISTRIBUTORS	Andersol Chemicals Pty. Ltd., 29-35 Old Botany Rd., Mascot	23005	Road Match	0m
DETERGENT MFRS. &/OR DISTRIBUTORS	Andersol Chemicals Pty. Ltd., 29-35 Old Botany Rd., Mascot	32554	Road Match	0m
ENGINEERS-STEAM	Anderson, P. M. Engineering Pty. Ltd., 29 Old Botany Rd., Mascot	42349	Road Match	0m
BUTCHERS-RETAIL	Ball, A., King St., Mascot	13093	Road Match	0m
GROCERS-RETAIL	Bastow, J. E., King St., Mascot	56393	Road Match	0m
BEAUTY SALONS &/OR LADIES' HAIRDRESSERS	Bettyâs Beauty Box, King St., Mascot	6890	Road Match	0m
GROCERS-RETAIL	Bray, W., King St. East, Mascot	56525	Road Match	0m
FOUNDERS-FERROUS	Cole Bros., 42 Old Botany Rd., Mascot	47651	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS (MASTER)	Corfield, E. G. Estate of the Late, âAliceville,â Old Botany Rd., Mascot	20153	Road Match	0m
BUILDERS' SUPPLIERS	Corfield, E. G., 124 Old Botany Rd., Mascot	11741	Road Match	0m
GRAVEL, SAND & SOIL SUPPLIES	Corfield, E. G., 124 Old Botany Rd., Mascot	55127	Road Match	0m
ZINC MERCHANTS	Durham Chemicals Australia Pty. Ltd., 58-66 Old Botany Rd., Mascot	114769	Road Match	0m
ZINC MERCHANTS	Gearin, M. and Sons Pty. Ltd., 58-60 Old Botany Rd., Mascot	114771	Road Match	0m
STOCK FOODS MFRS. &/OR DISTRIBUTORS	Gearin, O'Riordan Ltd., 41 Old Botany Rd., Mascot	105678	Road Match	0m
FERTILIZER MANUFACTURERS & SUPPLIERS	Gearin, O'Riordan Ltd., Old Botany Rd., Mascot	43769	Road Match	0m
POULTRY FOOD MFRS. &/OR DISTRIBUTORS	Gearin, O'Riordan Ltd., Old Botany Rd., Mascot	94423	Road Match	0m
DOG FOOD &/OR MEDICINE MANUFACTURERS	Gearin, O'Riordan, 70 Old Botany Rd., Mascot	33195	Road Match	0m
TALLOW MERCHANTS & REFINERS	Gearin-O'Riordan Ltd., 70 Old Botany Rd., Mascot	106922	Road Match	0m
BISCUIT MFRS. &/OR DISTRIBUTORS	Hackshallâs Ltd., 4-18 Old Botany Rd., Mascot	8222	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Jarvie, A., 38 Old Botany Rd., Mascot	19097	Road Match	0m
HAULAGE CONTRACTORS-HEAVY	Jarvie, A., 38 Old Botany Rd., Mascot	61877	Road Match	0m
TRANSPORT SERVICES-INTERSTATE	Jarvie, A., 38 Old Botany Rd., Mascot	110248	Road Match	0m
GROCERS-RETAIL	Jerome, B. W., King St., Mascot	57888	Road Match	0m
MOTOR CAR SPRING MANUFACTURERS	Lewis, A. H., 11 Old Botany Rd., Mascot	82767	Road Match	0m
SPRING MANUFACTURERS	Lewis, A. H., 11 Old Botany Rd., Mascot	104794	Road Match	0m
AGRICULTURAL MACHINERY PARTS MFRS.	Paterson, J., 144 Old Botany Rd., Mascot	1419	Road Match	0m
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Paterson, J., 144 Old Botany Rd., Mascot	41096	Road Match	0m
ENGINEERS-STRUCTURAL	Paterson, J., 144 Old Botany Rd., Mascot	42484	Road Match	0m
SHEET METAL WORKERS	Paterson, J., 144 Old Botany Rd., Mascot	101795	Road Match	0m
WELDERS-ELECTRIC &/OR OXY	Paterson, J., 144 Old Botany Rd., Mascot	112989	Road Match	0m
WIREWORKERS-GENERAL	Salwey, G. H., 13 Old Botany Rd., Mascot	113959	Road Match	0m
DISPLAY FITTINGS MFRS. &/OR SUPPLIERS	Salwey, G. II., 13 Old Botany Rd., Mascot	33065	Road Match	0m
MILK BARS & CONFECTIONERS	Shearer, A. A., 142 Old Botany Rd., Mascot	77348	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Stiff, C. J., 48 Old Botany Rd., Mascot	41291	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS	Stiff, C. J., 48 Old Botany Rd., Mascot	84432	Road Match	0m
MILK VENDORS	Taylor, J. W., Old Botany Rd., Mascot	77946	Road Match	0m
LIVERY STABLES	Vallely, H., 104 Old Botany Rd., Mascot	69668	Road Match	0m
RIDING SCHOOLS	Vallely, H., 104 Old Botany Rd., Mascot	99545	Road Match	0m

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## Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### Dry Cleaners, Motor Garages & Service Stations 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:

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR SERVICE STATIONS-PETROL, Etc.	Quartleys Garage, Cnr. King St. and Old Botany Rd., Mascot	86311	1950	Road Intersection	13m	North East
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Airport Service Station, 239 O'Riordan St. MASCOT	350295	1961	Premise Match	26m	South
Motor Garages & Service Stations	Ampol Mascot Self Serve, 239 O'Riordan St., Mascot 2020	53481	1991	Premise Match	33m	South
MOTOR GARAGES & SERVICE STATIONS.	Airport Service Station, 239 O'Riordan St., Mascot.	63866	1986	Premise Match	33m	South
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Airport Service Station, 239 O'Riordan St., Mascot 2020.	55937	1982	Premise Match	33m	South
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Airport Service Station, 239 O'Riordan St., Mascot.	49216	1978	Premise Match	33m	South
MOTOR SERVICE STATIONS - PETROL, OIL	Airport Service Station, 239 O'Riordan St., Mascot.	61362	1975	Premise Match	33m	South
Motor Service Stations - Petrol, Oil, Etc.	Airport Service Station, 239 O'Riordan St. Mascot	125904	1965	Premise Match	33m	South
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Viscount Service Centre, 283 King St., Mascot.	51041	1978	Premise Match	43m	North East
MOTOR GARAGES &/OR ENGINEERS.	Viscount Service Station, 283 King St., Mascot.	59725	1975	Premise Match	43m	North East
MOTOR GARAGES & ENGINEERS(M6S6)	Viscount Service Station, 283 King St. MASCOT	338828	1970	Premise Match	43m	North East
Motor Garages & Engineers	Viscount Service Station, 283 King St. Mascot	123021	1965	Premise Match	43m	North East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Quartly's Service Station, 322 King St., Mascot.	50702	1978	Premise Match	54m	North East
MOTOR GARAGES &/OR ENGINEERS.	Quartly's Service Station, 322 King St , Mascot.	59427	1975	Premise Match	54m	North East
Motor Garages & Engineers	Quartly's Service Station, 322 King St. Mascot	123014	1965	Premise Match	54m	North East
MOTOR GARAGES & ENGINEERS	Quartly's Service Station, 322 King St. Mascot	347961	1961	Premise Match	54m	North East
MOTOR GARAGES & ENGINEERS(M6S6)	Quartly's Service Station, 322 King St. MASCOT	338461	1970	Premise Match	55m	East
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Airport Service Station, 239 O'Riordan St. MASCOT	340739	1970	Premise Match	66m	South
Motor Garages & Engineers	Truck Sales & Service Pty. Ltd., 200 O'Riordan St. Mascot	123019	1965	Premise Match	84m	South East
MOTOR GARAGES & ENGINEERS(M6S6)	Rex-Press, 295 King St. MASCOT, 2020	338507	1970	Premise Match	120m	North West
MOTOR GARAGES &/OR ENGINEERS	Quartly, A., 273 King St., Mascot	84245	1950	Premise Match	124m	North East
Motor Garages & Engineers	Hambly, W., 127 Baxter Rd. Mascot	123006	1965	Premise Match	166m	South
Motor Garages & Engineers	Haynes, L. G., 127 Baxter Rd. Mascot	123007	1965	Premise Match	166m	South
MOTOR GARAGES & ENGINEERS	Haynes, L. G., 127 Baxter Rd. MASCOT	347348	1961	Premise Match	166m	South
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Viscount Service Station, 273b King St. MASCOT	351248	1961	Premise Match	167m	North East

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR GARAGES &/OR ENGINEERS	Stevens, W. H., 265 King St., Mascot	84428	1950	Premise Match	167m	North East
Motor Service Stations - Petrol, Oil, Etc.	Lyndon, Peter & David, 243 O'Riordan St. Mascot	125909	1965	Premise Match	172m	South
MOTOR GARAGES & ENGINEERS(M6S6)	Robey Auto Repairs & Towing Service, 64 Robey St. MASCOT	338523	1970	Premise Match	354m	South East
MOTOR GARAGES &/OR ENGINEERS.	Cook. W. H. & Son, 276a King St., Mascot.	58692	1975	Premise Match	356m	East
MOTOR GARAGES & ENGINEERS	Smalley, W. J. Pty. Ltd., 50 Macintosh St. MASCOT	348145	1961	Premise Match	441m	East
MOTOR GARAGES &/OR ENGINEERS	Smalley, W. J., 50 Macintosh St., Mascot	84380	1950	Premise Match	441m	East

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## Historical Business Directories

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### Dry Cleaners, Motor Garages & Service Stations 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:

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
MOTOR GARAGES & ENGINEERS	Clayton Manufacturing Pty. Ltd., O'Riordan St. MASCOT	346898	1961	Road Match	0m
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Lewis, A. H. Pty. Ltd., O'Riordan St. MASCOT	350787	1961	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS	Stiff, C. J., 48 Old Botany Rd., Mascot	84432	1950	Road Match	0m
MOTOR GARAGES & SERVICE STATIONS.	Sweetings Service Station, King St., Mascot.	65543	1986	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sweetings Service Station, King St., Mascot.	50915	1978	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Sweetings Service Station, King St., Mascot 2020.	57664	1982	Road Match	0m
MOTOR GARAGES & ENGINEERS	May & Blake Chalmers Cres. MASCOT	347663	1961	Road Match	338m
MOTOR GARAGES & ENGINEERS(M6S6)	May & Blake Pty. Ltd.,Chalmers Cres.MASCOT	338225	1970	Road Match	338m
Motor Garages & Engineers	May & Blake, Chalmers Cres. Mascot	123011	1965	Road Match	338m
MOTOR GARAGES & ENGINEERS	May & Blake, Chalmers Cres. MASCOT	347664	1961	Road Match	338m
MOTOR GARAGES & ENGINEERS	Coggins, W. T. Pty. Ltd., 210 Kent Rd. MASCOT	346911	1961	Road Match	486m
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Coggins, W. T. Pty. Ltd., 210 Kent Rd. MASCOT	350481	1961	Road Match	486m

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# Aerial Imagery 2016

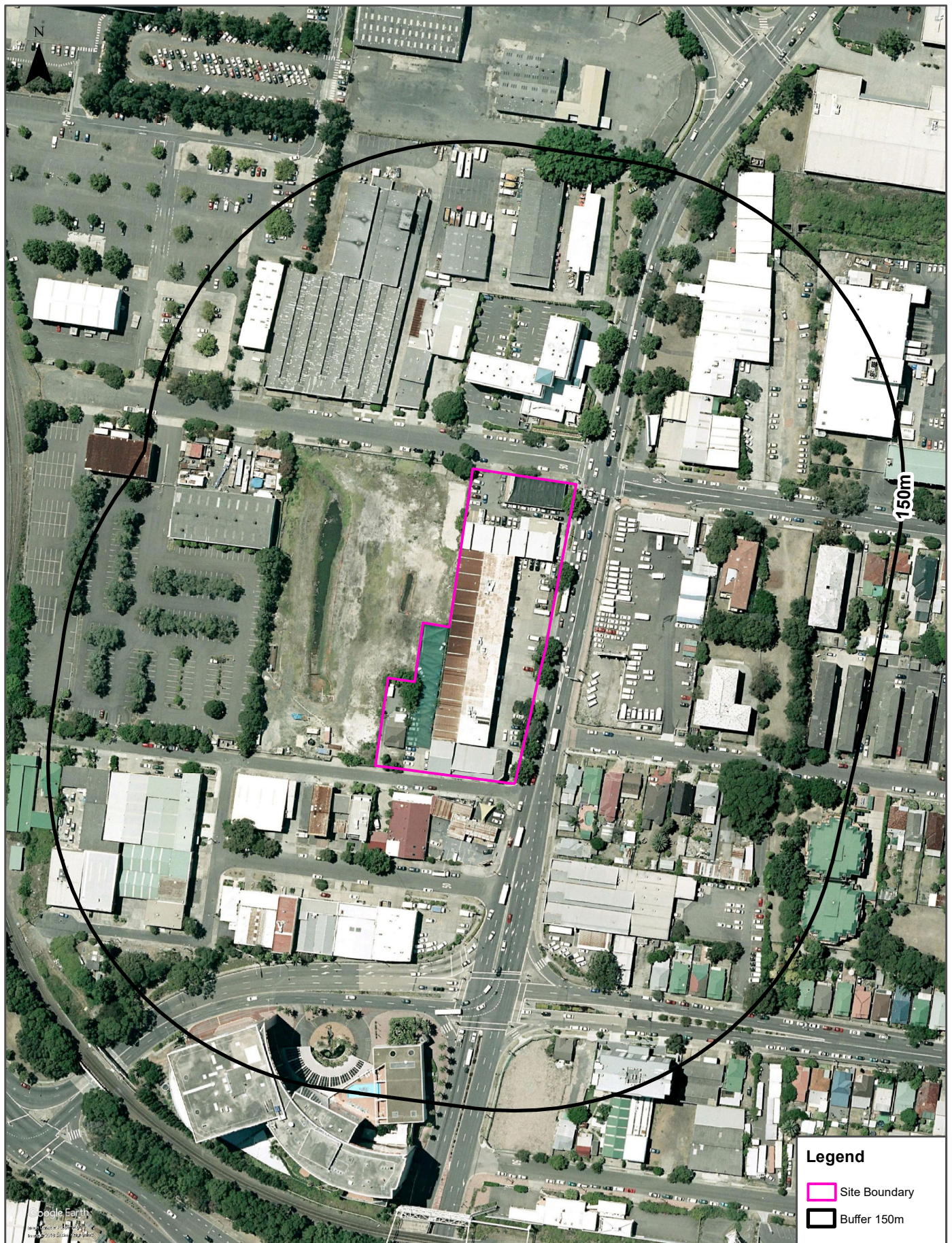
215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





# Aerial Imagery 2009

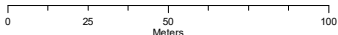
215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Legend

- Site Boundary
- Buffer 150m

Scale:



Data Source Aerial Imagery: © 2018 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:  
GDA 1994 MGA Zone 56

Date: 22 October 2018



Aerial Imagery 2000

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



**Legend**

Site Boundary

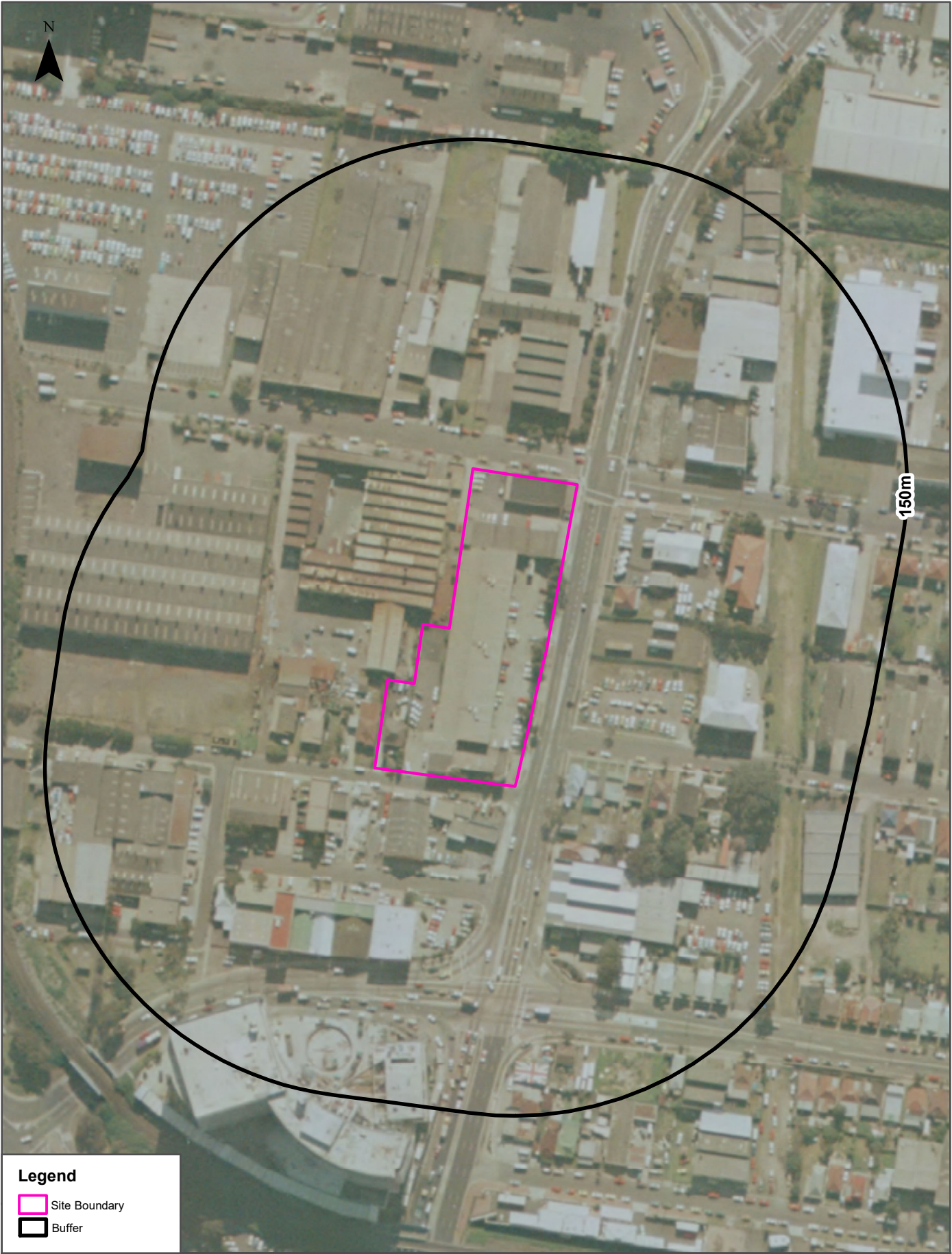
Buffer 150m

<p>Scale:</p> <p>0 25 50 100</p> <p>Meters</p>	<p>Data Source Aerial Imagery: © 2018 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.</p>	<p>Coordinate System:</p> <p>GDA 1994 MGA Zone 56</p>	<p>Date: 22 October 2018</p>
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Aerial Imagery 1991

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

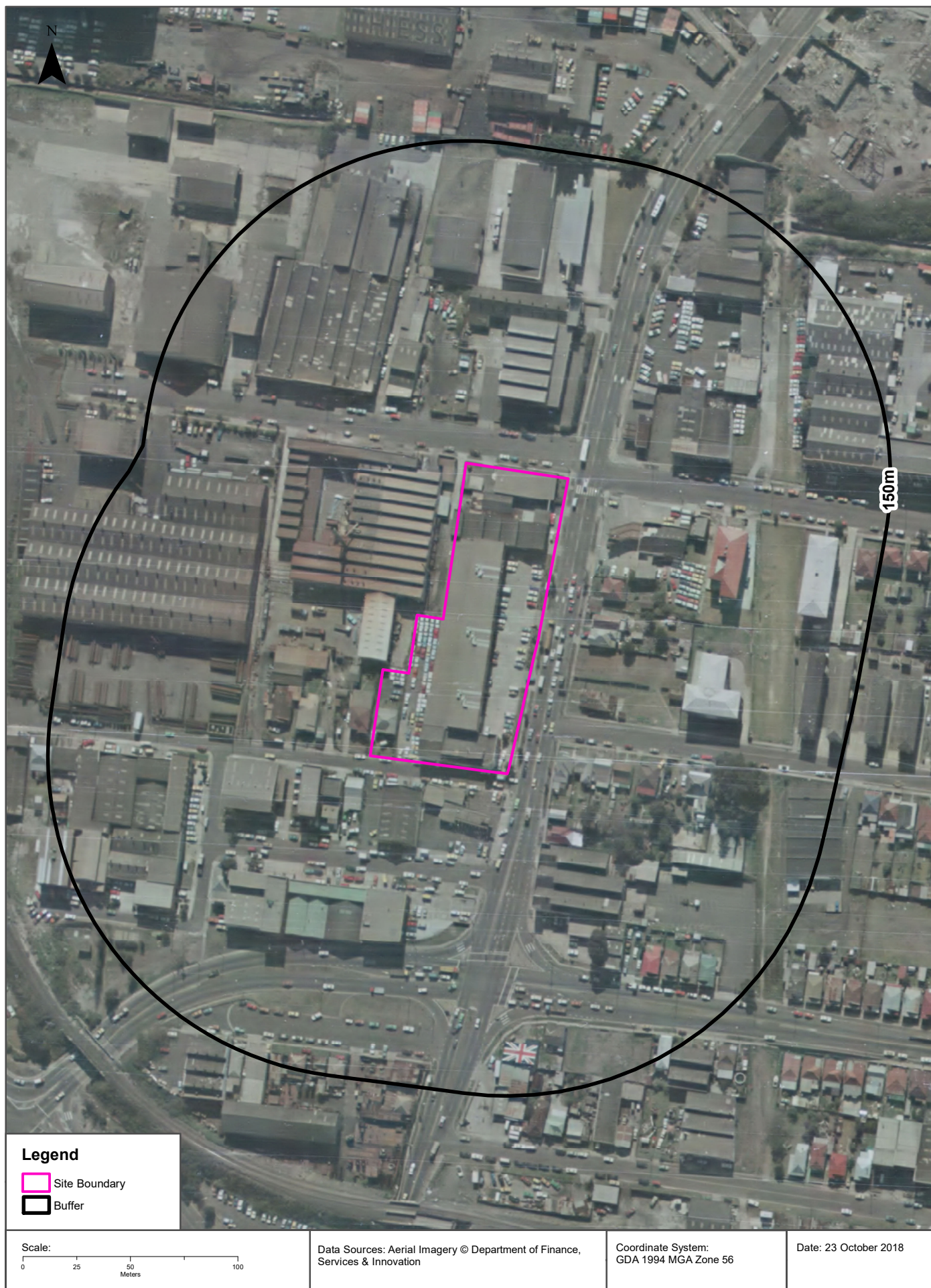


Data Sources: Aerial Imagery © Department of Finance, Services & Innovation	Coordinate System: GDA 1994 MGA Zone 56	Date: 23 October 2018
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Aerial Imagery 1982

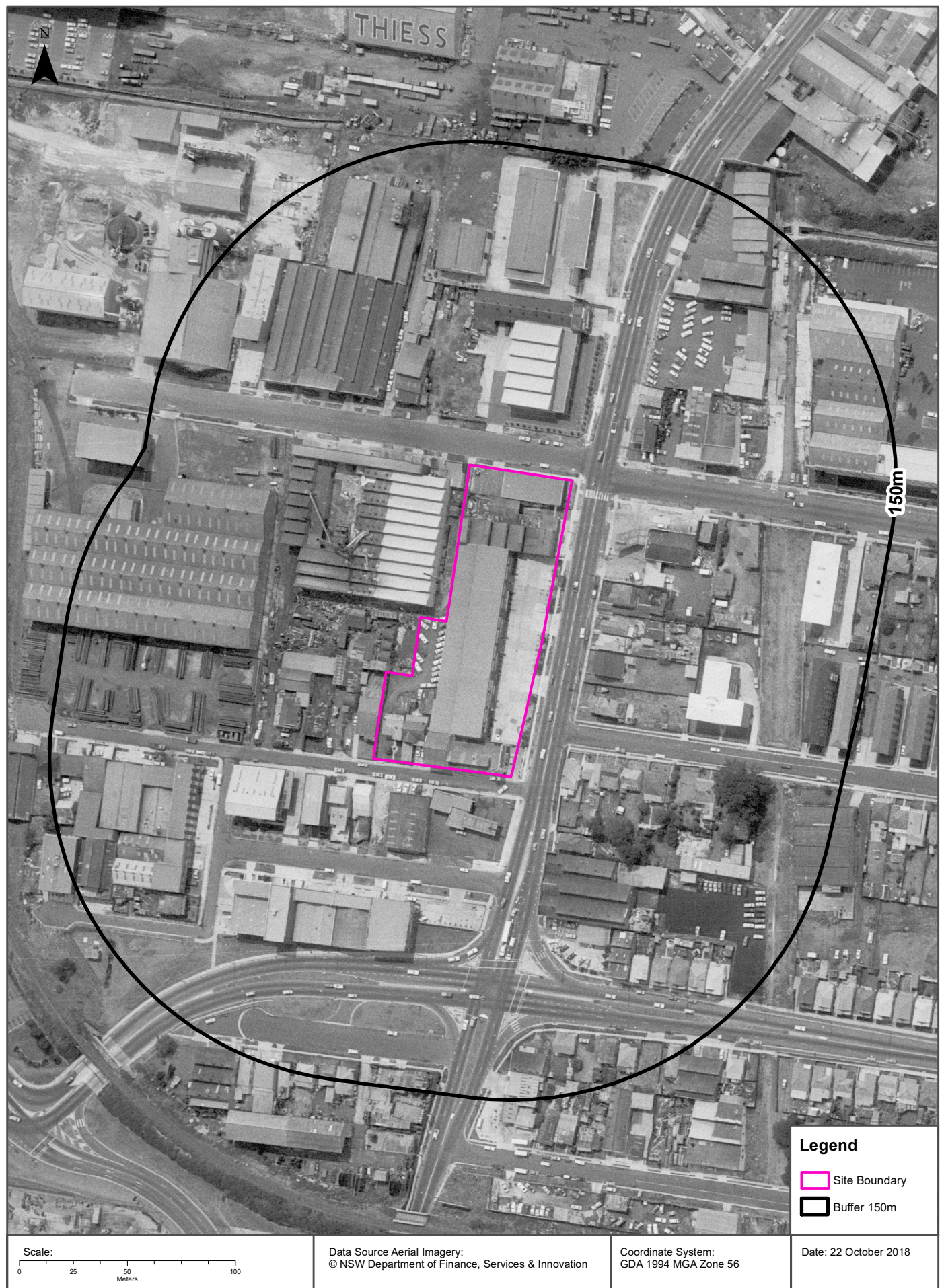
215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





# Aerial Imagery 1976

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





Aerial Imagery 1970

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



Aerial Imagery 1965

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



<p>Scale:</p> <p>0 25 50 100</p> <p>Meters</p>	<p>Data Source Aerial Imagery:</p> <p>© NSW Department of Finance, Services &amp; Innovation</p>	<p>Coordinate System:</p> <p>GDA 1994 MGA Zone 56</p>	<p>Date: 22 October 2018</p>
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Aerial Imagery 1961

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

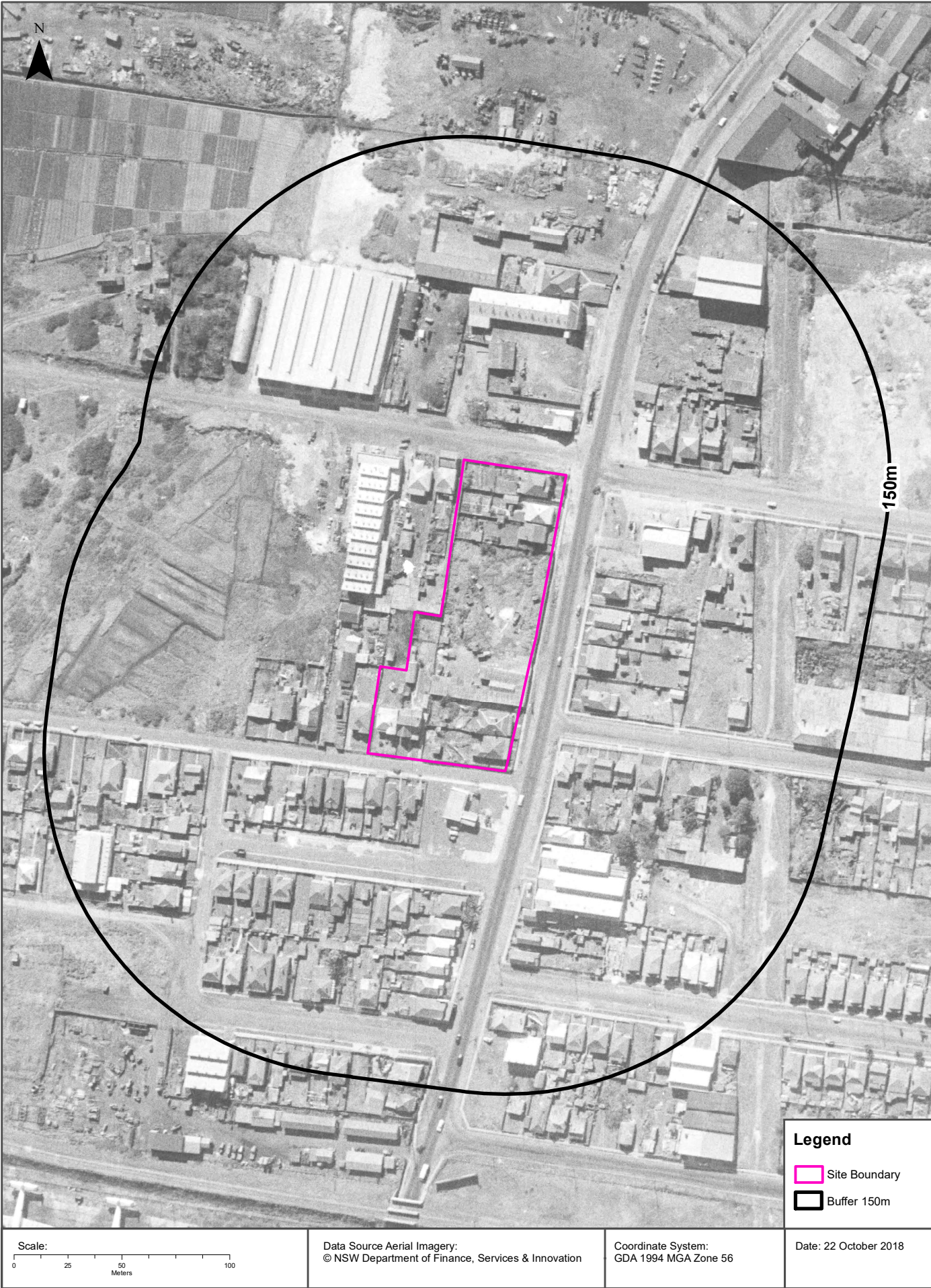


<p>Scale:</p> <p>0 25 50 100</p> <p>Meters</p>	<p>Data Source Aerial Imagery:</p> <p>© NSW Department of Finance, Services &amp; Innovation</p>	<p>Coordinate System:</p> <p>GDA 1994 MGA Zone 56</p>	<p>Date: 22 October 2018</p>
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Aerial Imagery 1955

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





Aerial Imagery 1951

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



Legend

Site Boundary

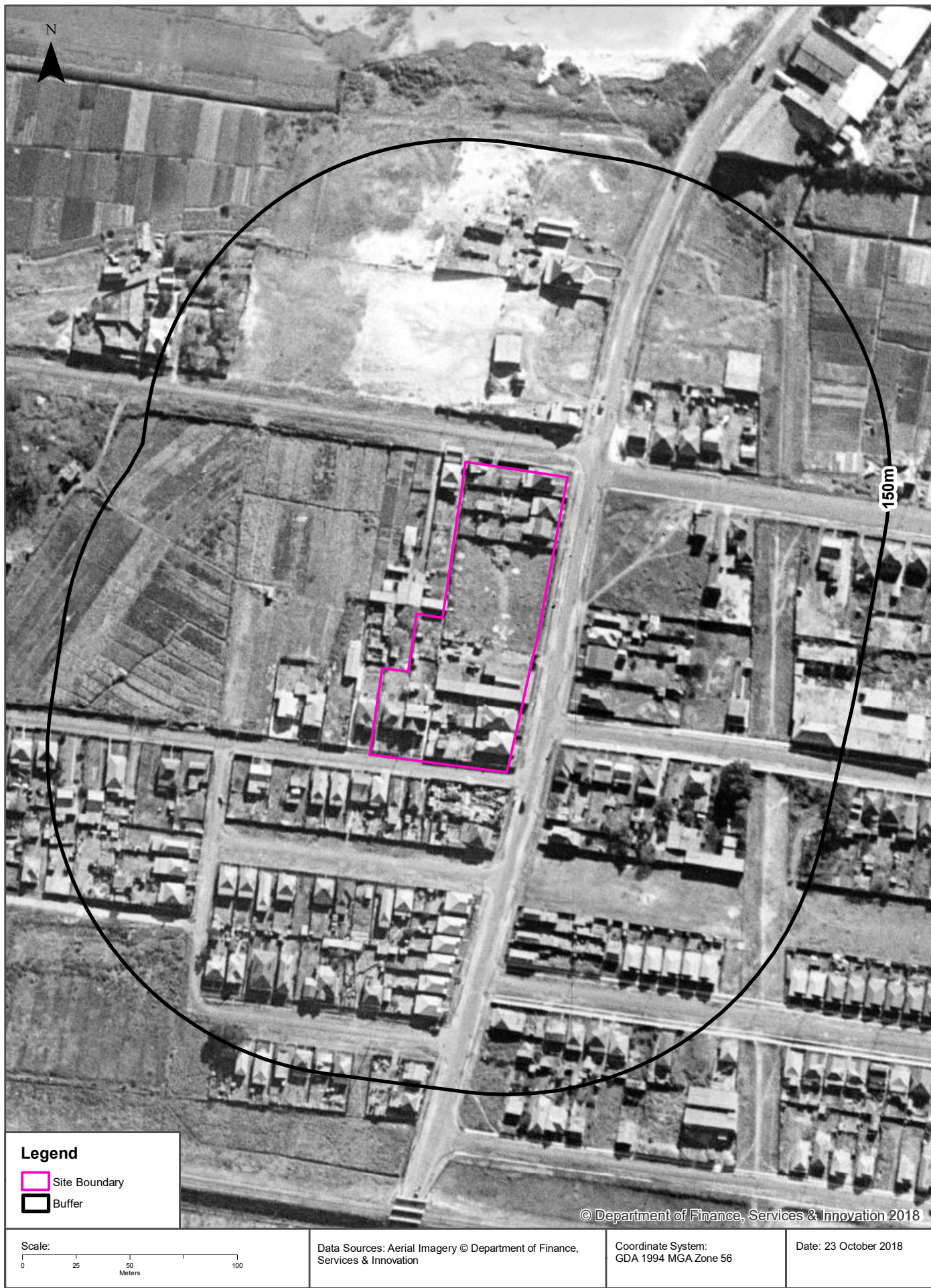
Buffer 150m

Scale: 0 25 50 100 Meters	Data Source Aerial Imagery: © NSW Department of Finance, Services & Innovation	Coordinate System: GDA 1994 MGA Zone 56	Date: 22 October 2018
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# Aerial Imagery 1943

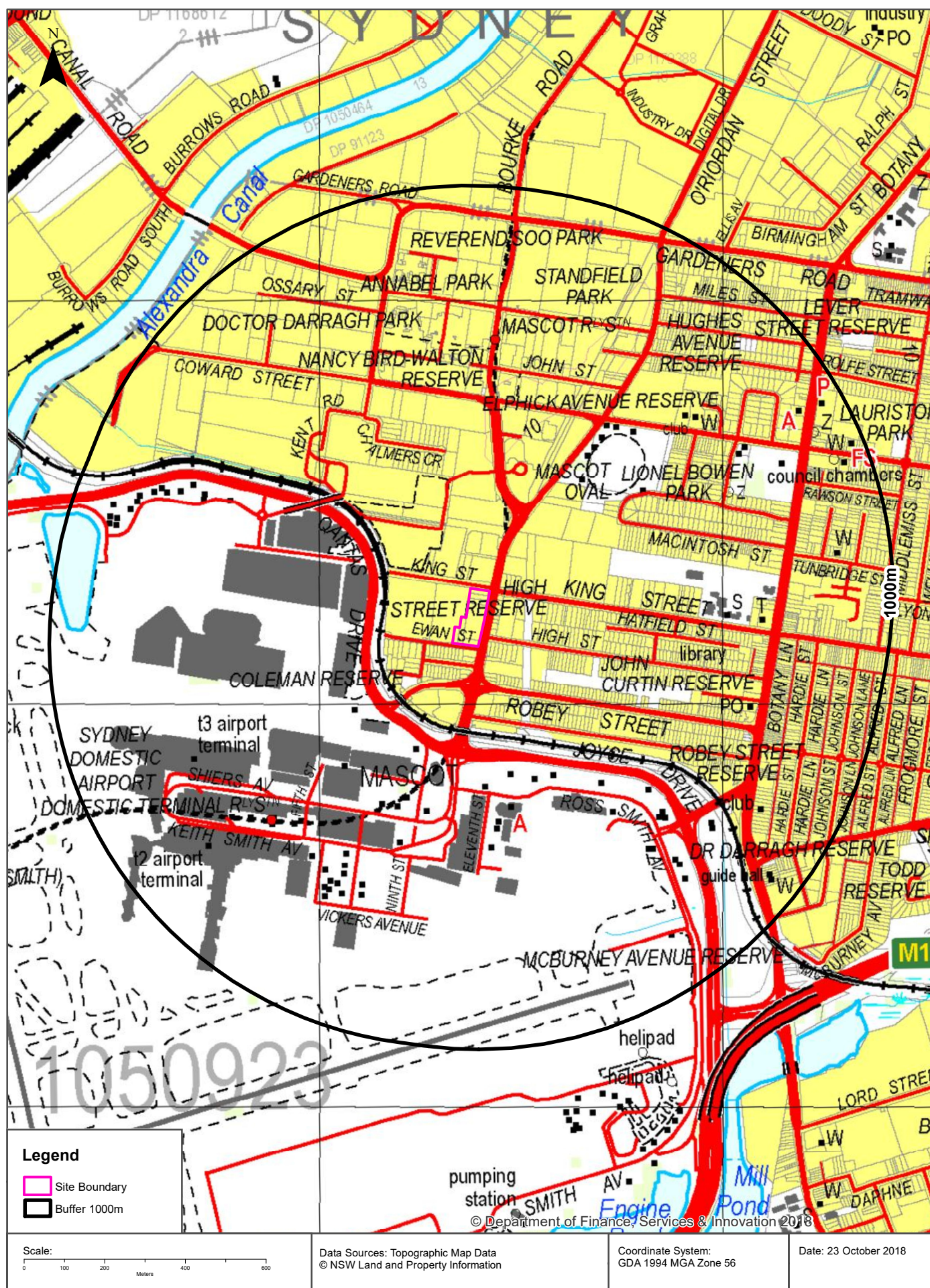
215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





# Topographic Map 2015

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





Historical Map 1975

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





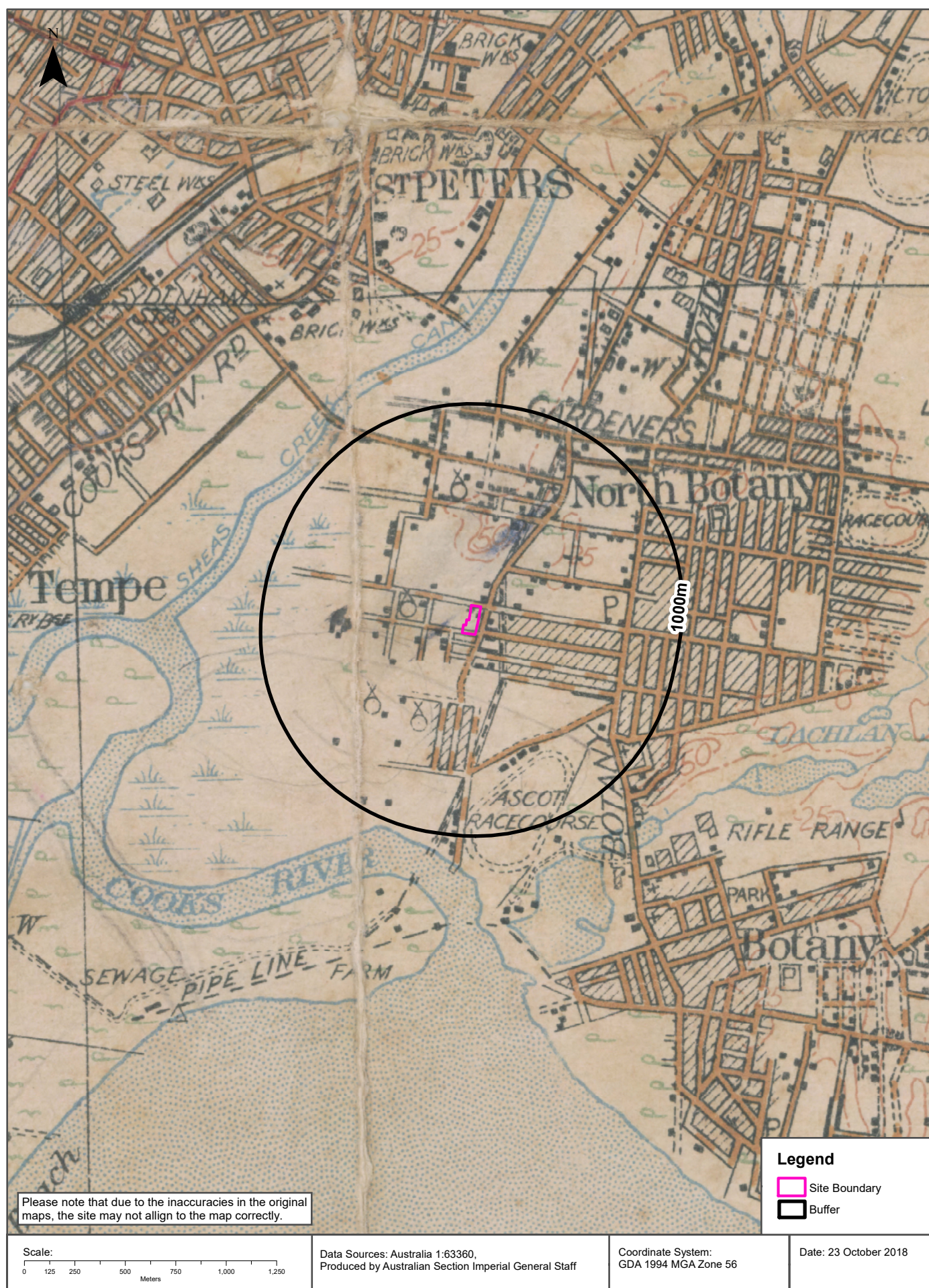
Historical Map 1936

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





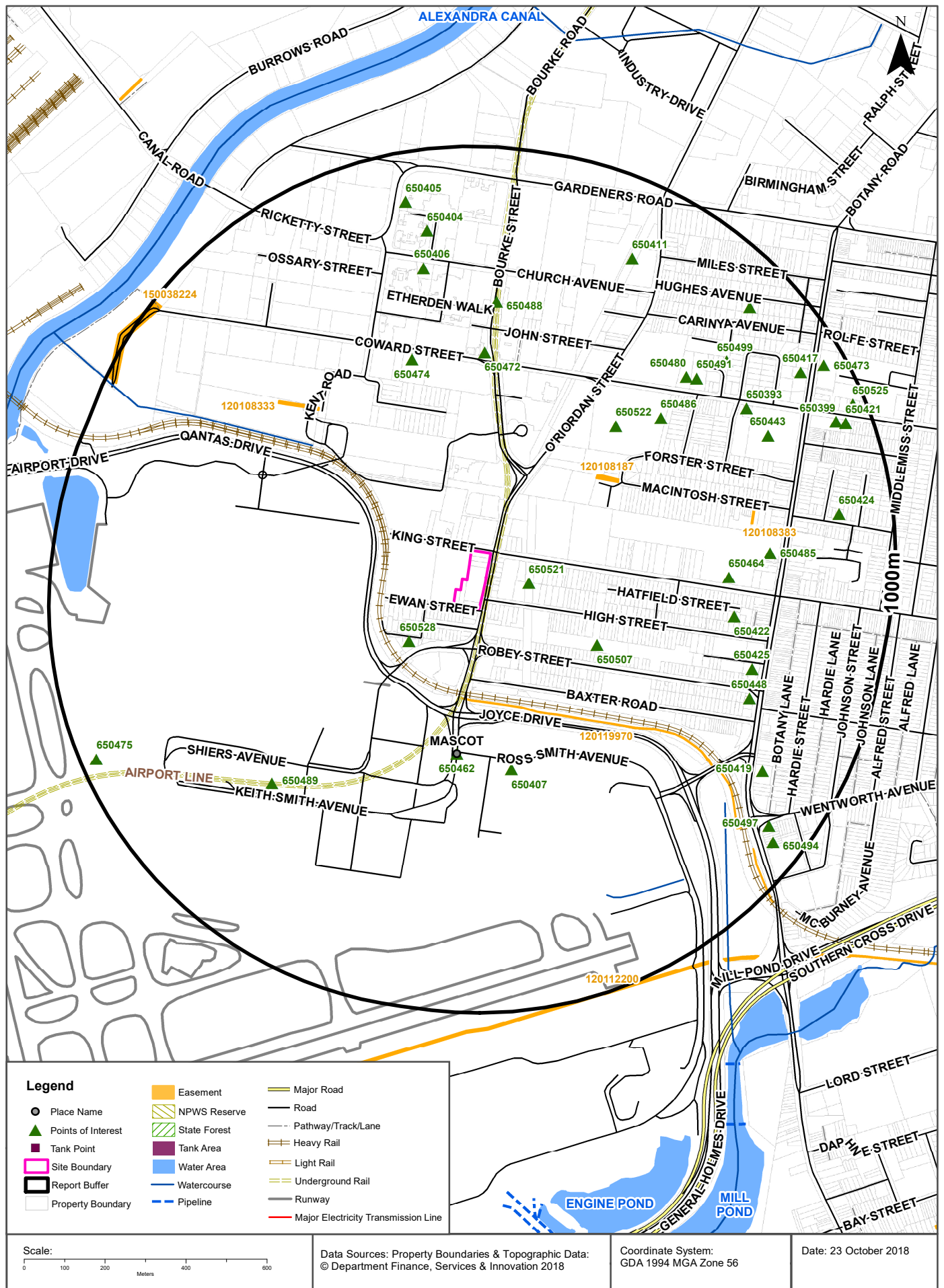
**215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020**





# Topographic Features

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020





## Topographic Features

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
650521	Park	HIGH STREET RESERVE	106m	East
650528	Park	COLEMAN RESERVE	141m	South West
650507	Park	JOHN CURTIN RESERVE	304m	South East
650462	Suburb	MASCOT	362m	South
650407	Ambulance Station	MASCOT AIR AMBULANCE STATION	405m	South
650522	Sports Field	MASCOT OVAL	441m	North East
650472	Park	NANCY BIRD-WALTON RESERVE	491m	North
650474	Embassy	CONSULATE OF THE REPUBLIC MOZAMBIQUE	495m	North
650486	Park	LIONEL BOWEN PARK	537m	North East
650464	Primary School	MASCOT PUBLIC SCHOOL	591m	East
650488	Railway Station	MASCOT RAILWAY STATION	618m	North
650422	Library	MASCOT LIBRARY	620m	East
650489	Railway Station	DOMESTIC TERMINAL RAILWAY STATION	628m	South West
650480	Club	GRAPHIC ARTS CLUB MASCOT	651m	North East
650491	Place Of Worship	GREEK ORTHODOX CHURCH OF ST CATHERINE	668m	North East
650425	Post Office	MASCOT POST OFFICE	689m	East
650485	Preschool	MASCOT PUBLIC SCHOOL PRESCHOOL	690m	East
650448	Park	ROBEY STREET RESERVE	703m	South East
650406	Park	DOCTOR DARRAGH PARK	709m	North
650393	Community Facility	MASCOT SENIOR CITIZENS CENTRE	726m	North East
650443	Park	MASCOT MEMORIAL PARK	744m	North East
650499	Park	ELPHICK AVENUE RESERVE	752m	North East
650404	Park	ANNABEL PARK	799m	North
650419	Club	MASCOT RSL CLUB	806m	South East
650411	Park	STANDFIELD PARK	809m	North East
650424	Place Of Worship	ORTHODOX CHURCH	866m	East
650405	Park	REVEREND SOO PARK	878m	North
650436	Park	HUGHES AVENUE RESERVE	883m	North East
650417	Ambulance Station	MASCOT AMBULANCE STATION	887m	North East
650497	Park	DR DARRAGH RESERVE	894m	South East

Map Id	Feature Type	Label	Distance	Direction
650399	Local Government Chambers	THE COUNCIL OF THE CITY OF BOTANY BAY	913m	North East
650494	Place Of Worship	BECKENHAM MEMORIAL CHURCH	927m	South East
650421	Fire Station	MASCOT FIRE STATION	934m	North East
650473	Police Station	MASCOT POLICE STATION	945m	North East
650475	Airport	SYDNEY DOMESTIC AIRPORT	960m	South West
650525	Place Of Worship	ROSEBERY UNITING CHURCH	967m	North East

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

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## Topographic Features

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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
120119970	Primary	Undefined		225m	South East
120108187	Primary	Undefined		320m	North East
120108333	Primary	Undefined		513m	North West
120108383	Primary	Undefined		648m	East
150038224	Primary	Right of way		970m	North West
120112200	Primary	Undefined		997m	South West

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

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## Topographic Features

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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: © Land and Property Information (2015)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

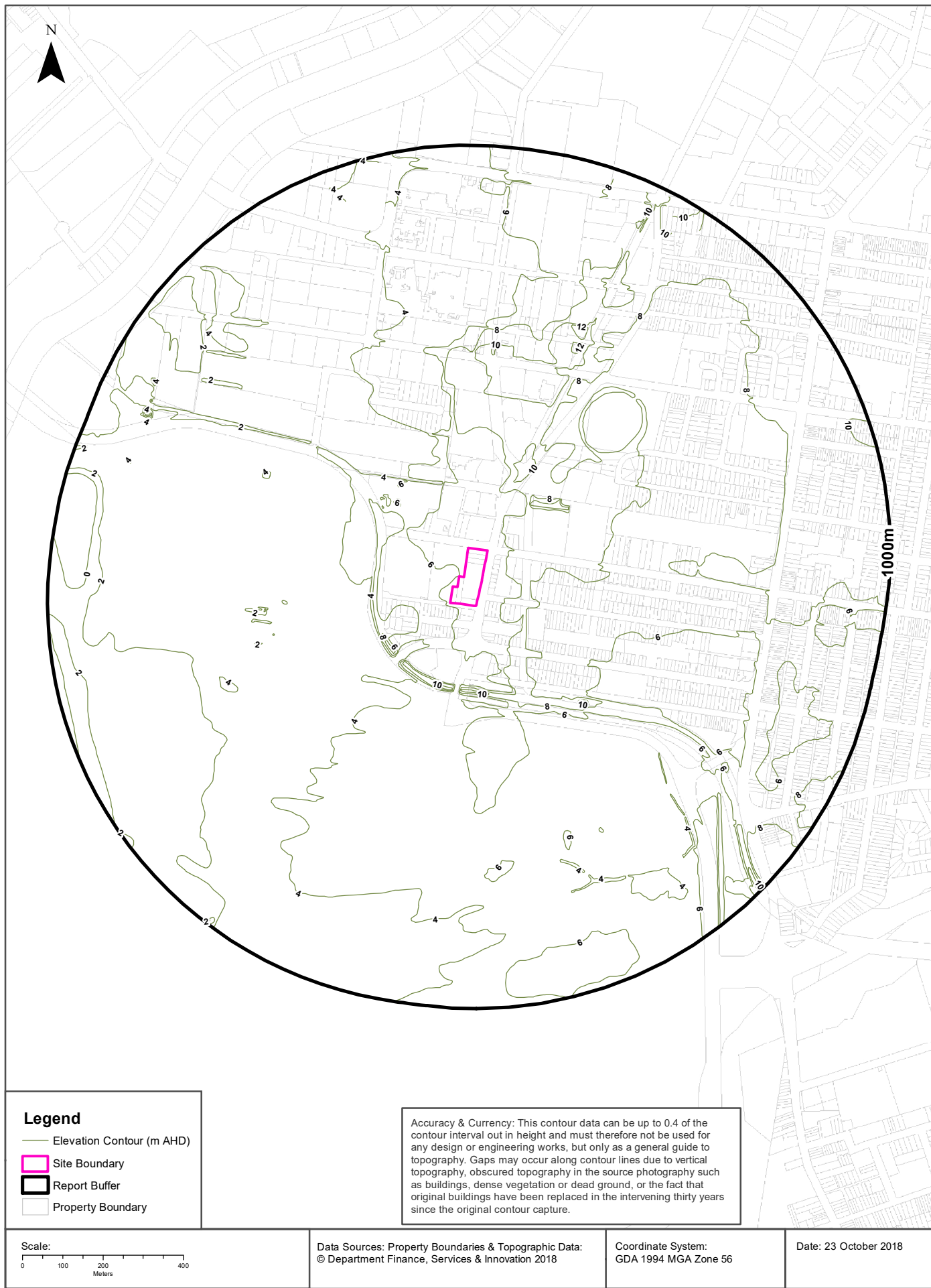
### National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

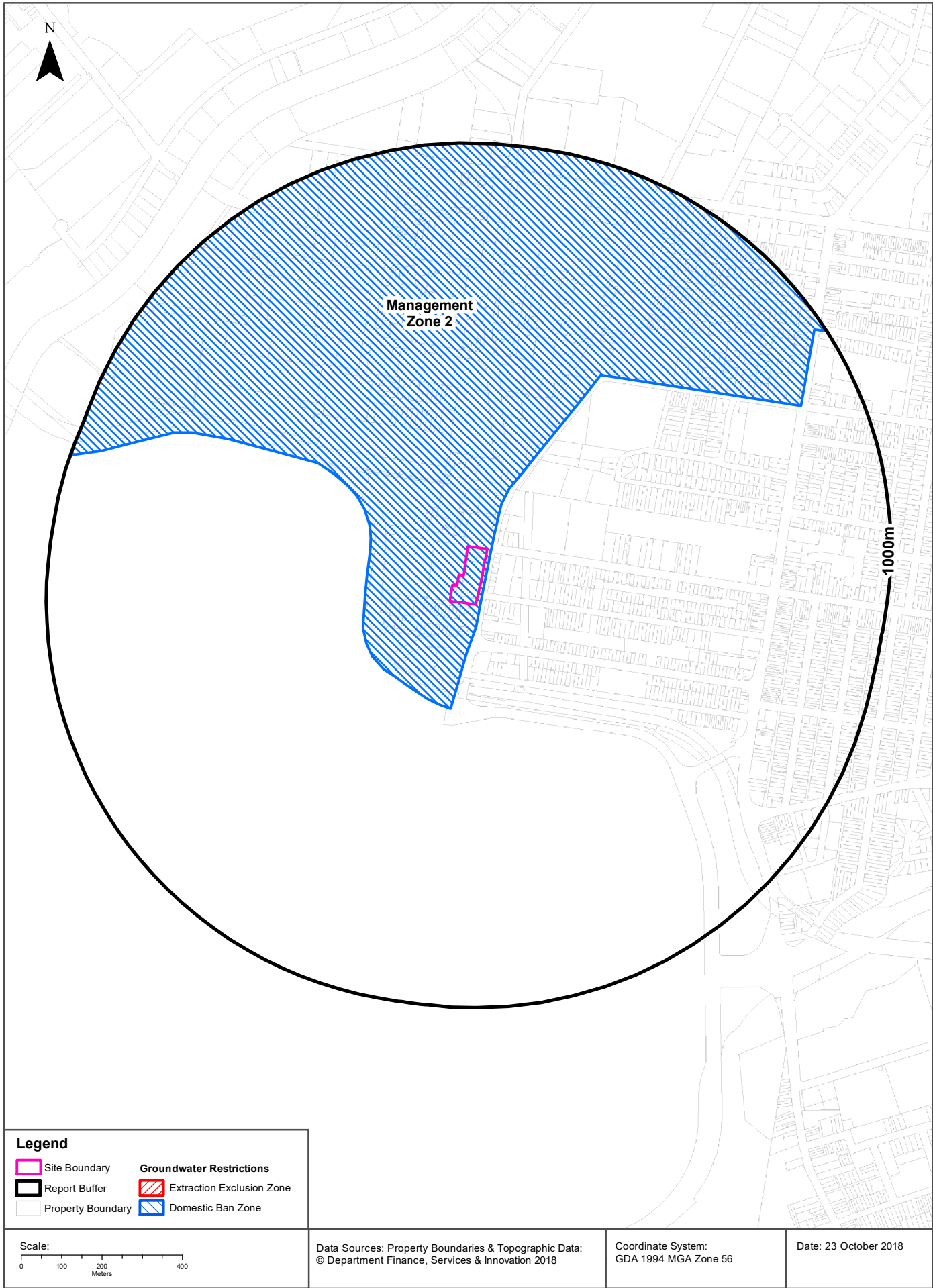
Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N/A	No records in buffer				

NPWS Data Source: © Land and Property Information (2015)

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## Hydrogeology & Groundwater

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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)  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### Botany Groundwater Management Zones

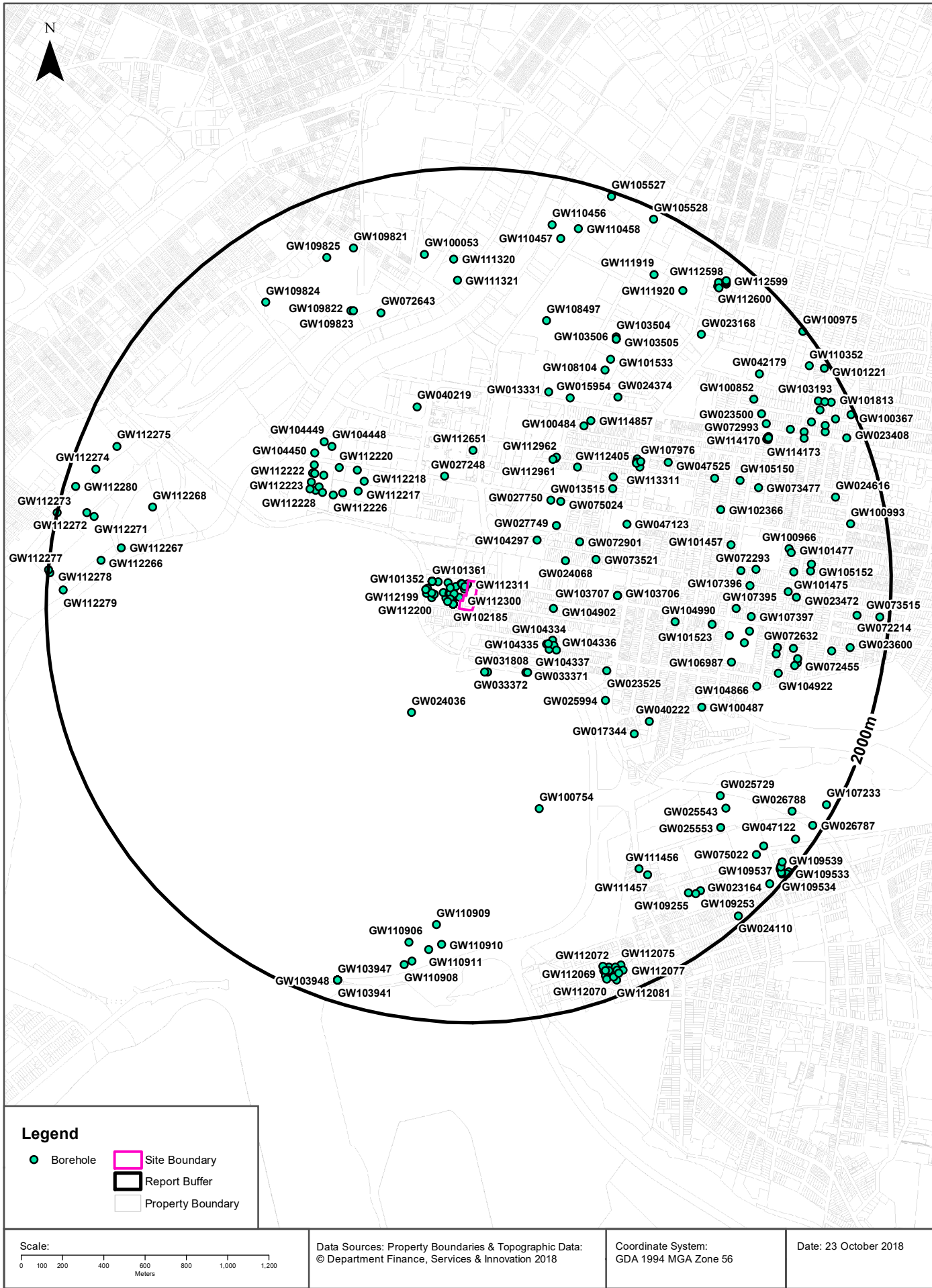
Groundwater management zones relating to the Botany Sand Beds aquifer within the dataset buffer:

Management Zone No.	Restriction	Distance	Direction
2	Domestic ban	0m	Onsite

Botany Groundwater Management Zones Data Source : NSW Department of Primary Industries

# Groundwater Boreholes

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



# Hydrogeology & Groundwater

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 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)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW112 311	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		24/01/2002	4.00	4.00					1m	North
GW112 310	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		23/01/2002	6.00	6.00					1m	North
GW112 298	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	4.00	4.00					12m	North West
GW112 299	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	4.00	4.00					12m	North West
GW112 300	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	4.00	4.00					15m	West
GW112 308	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		23/01/2002	6.00	6.00					28m	North West
GW102 190	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		18/03/1999	4.00	4.00					30m	South West
GW102 205	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.30	3.30					30m	South West
GW102 171	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		07/01/1999	6.00	6.00					30m	South West
GW102 189	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	4.00	4.00					30m	South West
GW102 197	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.60	3.60					30m	South West
GW102 204	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.30	3.30					30m	South West
GW102 178	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	4.40	4.40					30m	South West
GW102 192	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		19/03/1999	4.00	4.00					30m	South West
GW102 196	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.60	3.60					31m	South West
GW102 187	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	4.20	4.20					31m	South West
GW102 169	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		07/01/1999	4.50	4.50					31m	South West
GW102 199	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.50	3.50					31m	South West
GW102 186	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	4.20	4.20					31m	South West
GW102 200	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		19/03/1999	3.50	3.50					31m	South West
GW102 195	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.60	3.60					31m	South West
GW102 193	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.90	3.90					31m	South West
GW102 176	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		06/01/1999	4.50	4.50					31m	South West
GW102 191	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		18/03/1999	4.00	4.00					31m	South West
GW102 162	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		07/01/1999	5.00	5.00					31m	South West
GW102 201	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		18/03/1999	3.50	3.50					31m	South West
GW102 165	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		07/01/1999	5.00	5.00					31m	South West

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)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW102 185	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		18/03/1999	4.20	4.20					31m	South West
GW102 173	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		06/01/1999	4.50	4.50					31m	South West
GW102 160	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		07/01/1999	5.00	5.00					31m	South West
GW102 198	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.50	3.50					31m	South West
GW102 164	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		07/01/1999	5.00	5.00					31m	South West
GW102 172	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		06/01/1999	4.50	4.50					31m	South West
GW112 309	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		22/01/2002	4.00	4.00					31m	North West
GW102 194	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	3.70	3.70					31m	South West
GW102 203	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		18/03/1999	3.50	3.50					31m	South West
GW102 184	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		18/03/1999	4.20	4.20					31m	South West
GW102 168	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		07/01/1999	5.00	5.00					31m	South West
GW102 188	10BL159 044	Bore	Private	Monitoring Bore	Monitoring Bore		22/03/1999	4.00	4.00					31m	South West
GW112 307	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		22/01/2002	4.00	4.00					33m	North West
GW112 292	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	4.00	4.00					40m	West
GW112 293	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	4.00	4.00					42m	West
GW112 302	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		22/01/2002	4.00	4.00					43m	West
GW112 295	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2001	4.00	4.00					48m	West
GW112 294	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	4.00	4.00					48m	West
GW112 291	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		14/01/2002	6.00	6.00					55m	North West
GW112 303	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		22/01/2001	4.00	4.00					57m	West
GW112 304	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		22/01/2002	4.00	4.00					58m	West
GW112 305	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	4.00	4.00					58m	West
GW112 296	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	6.00	6.00					58m	West
GW112 297	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		21/01/2002	6.00	6.00					59m	West
GW112 301	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		22/01/2002	6.00	6.00					62m	West
GW112 201	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	5.60	5.60					70m	West
GW112 306	10BL160 586	Bore	Private	Monitoring Bore	Monitoring Bore		22/01/2002	4.00	4.00					73m	North West
GW112 196	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/07/1996	5.05	5.05					89m	West
GW112 202	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	5.90	5.90					95m	North West
GW112 197	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	5.70	5.70					129m	West
GW112 203	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	6.00	6.00					138m	North West
GW112 200	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	6.00	6.00					139m	West
GW112 195	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	5.90						143m	West
GW101 357	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	5.90	5.90					163m	West



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)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW101 353	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	6.00	6.00					163m	West
GW101 362	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	5.90	5.90					163m	West
GW101 351	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	5.05	5.05					163m	West
GW101 356	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	5.60	5.60					163m	West
GW101 360	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	6.00	6.00					163m	West
GW101 355	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	6.00	6.00					163m	West
GW101 361	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	4.30	4.30					163m	West
GW101 352	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	5.70	5.70					163m	West
GW101 354	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	6.00	6.00					163m	West
GW101 359	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	6.00	6.00					163m	West
GW101 350	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	5.90	5.90					163m	West
GW101 358	10BL157 307	Bore	Private	Monitoring Bore	Monitoring Bore		22/11/1995	6.00	6.00					163m	West
GW112 199	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	6.00	6.00					166m	West
GW112 204	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	6.00	6.00					169m	West
GW112 198	10BL156 771	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/1996	6.00	6.00					176m	West
GW024 655	10BL018 264	Bore	Private	Industrial	General Use		01/06/1966	9.10	9.10					305m	South
GW031 808	10BL024 739	(Unknown)	P.W.D.	Test Bore	G/water Xplore		01/06/1969	18.20	18.30					310m	South
GW104 297	10BL156 208, 10WA11 3023	Bore	Private	Domestic	Domestic		20/12/1994		42.00		4.00	0.400		351m	North East
GW104 902	10BL157 111, 10WA11 3115	Bore	Private	Domestic	Domestic		27/09/1995	7.10	7.10	Good	1.83	1.000		382m	East
GW104 335	10BL160 591	Bore	Private	Monitoring Bore	Monitoring Bore		05/04/2002	3.50	3.50		1.40			395m	South East
GW033 371	10BL024 740	Bore	Federal Govt	Industrial	Industrial		01/03/1970	11.80	11.90					399m	South East
GW104 333	10BL160 591	Bore	Private	Monitoring Bore	Monitoring Bore		05/04/2002	3.50	3.50		1.20			404m	South East
GW033 372	10BL024 741	Bore	Federal Govt	Industrial	Industrial		01/03/1970	11.80	11.90					405m	South East
GW104 334	10BL160 591	Bore	Private	Monitoring Bore	Monitoring Bore		05/04/2002	3.50	3.50		0.90			415m	South East
GW104 337	10BL160 591	Bore	Private	Monitoring Bore	Monitoring Bore		05/04/2002	3.50	3.50		1.40			418m	South East
GW104 336	10BL160 591	Bore	Private	Monitoring Bore	Monitoring Bore		05/04/2002	3.50	3.50		1.00			432m	South East
GW024 068	10BL017 315, 10WA11 2890	Spear	Private	Domestic	Domestic		01/05/1966	4.20	4.30					436m	East
GW104 338	10BL160 591	Bore	Private	Monitoring Bore	Monitoring Bore		05/04/2002	3.50	3.50		1.20			452m	South East
GW027 749	10BL021 267	Bore	Local Govt	Irrigation	Recreation (groundwater)		01/12/1965	16.40	16.50					468m	North East
GW027 248	10BL020 568	Spear	Private	Industrial	Industrial		01/11/1965	4.80	4.90					518m	North

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)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW027 750	10BL021 266, 10WA11 4789	Bore	Local Govt	Recreation (groundwater)	Recreation (groundwater)		01/12/1965	17.30	17.40					530m	North East
GW072 901		Bore	Private		Domestic		15/11/1994	7.00	7.00					530m	North East
GW024 036	10BL017 949	Spear	Private	Industrial	General Use		01/01/1966	6.00	6.10					554m	South West
GW075 024		Bore	NSW Office of Water		Monitoring Bore	BOTANY BOREFIELD AT MASCOT OVAL	16/07/1998	19.50	20.50		0.76		8.48	560m	North East
GW073 521		Spear	Private		Domestic		29/10/1995	3.00	3.00					582m	East
GW112 651	10BL604 737	Bore	Private	Dewatering (groundwater)	Dewatering (groundwater)		23/12/2011	6.00	6.00					632m	North
GW103 706	10BL160 099	Bore		Monitoring Bore	Monitoring Bore		02/11/2000	4.30	4.30					678m	East
GW103 705	10BL160 099	Bore		Monitoring Bore	Monitoring Bore		02/11/2000	4.70	4.70					678m	East
GW103 707	10BL160 099	Bore		Monitoring Bore	Monitoring Bore		03/11/2000	4.20	4.20					678m	East
GW112 217	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.10	4.10					686m	North West
GW112 218	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.00	4.00					697m	North West
GW112 960	10BL602 812	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Mascot	17/11/2008	5.50	5.50					697m	North East
GW112 961	10BL602 812	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Mascot	17/11/2008	5.00	5.00					706m	North East
GW112 962	10BL602 812	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Mascot	17/11/2008	5.00	5.00					713m	North East
GW023 525	10BL016 753	Spear	Private	Domestic	General Use		01/11/1965	5.90	5.90					715m	South East
GW103 588	10BL160 017, 10WA11 3300	Bore		Domestic	Domestic		18/02/2001	7.00	7.00					736m	North East
GW112 227	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	3.50	3.50					741m	North West
GW112 219	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.00	4.00					758m	North West
GW047 123	10BL105 637, 10WA11 4669	Bore	Local Govt	Recreation (groundwater)	Recreation (groundwater)		01/07/1973	18.90	18.90					773m	North East
GW112 226	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.40	4.40					775m	North West
GW025 994	10BL016 721	Bore	Private	Not Known	General Use		01/03/1966	13.20	13.30	Good				780m	South East
GW013 515	10BL008 626, 10WA11 2796	Spear	Private	Domestic	Domestic		01/01/1958	8.20	8.20					794m	North East
GW112 225	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.10	4.10					825m	North West
GW104 988	10BL160 392, 10WA11 3311	Bore	Private	Domestic	Domestic		15/12/2001	7.00	7.00		4.00	1.000		829m	North East
GW112 220	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.00	4.00					830m	North West
GW112 229	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.00	4.00					852m	North West
GW112 228	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.00	4.00					858m	North West
GW112 231	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.00	4.00					866m	North West

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GW040 219		Spear	Private		Industrial			6.30	6.30				3.89	877m	North
GW112 224	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.10	4.10					886m	North West
GW112 223	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		31/12/2002	4.20	4.20					898m	North West
GW112 230	10BL160 943	Bore	Private	Monitoring Bore			03/12/2002	4.00	4.00					906m	North West
GW100 484	10BL157 840	Bore	Private	Monitoring Bore	Monitoring Bore		19/12/1996	4.00	4.00		0.00			914m	North East
GW112 222	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.20	4.20					916m	North West
GW104 448	10BL160 854	Bore	Private	Monitoring Bore	Monitoring Bore		25/11/2002	3.50	3.50			1.000		925m	North West
GW112 221	10BL160 943	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2002	4.20	4.20					931m	North West
GW114 857	10BL605 586	Bore	Private	Monitoring Bore	Monitoring Bore		15/05/2014	6.00	6.00					955m	North East
GW112 403	10BL602 019, 10WA11 4432	Well	Private	Groundwater Remediation	Groundwater Remediation		29/11/2007	0.90	0.90					959m	North East
GW113 311	10BL160 868	Bore	Private	Monitoring Bore	Monitoring Bore	Shell	01/01/2002	4.00	4.00		1.78			962m	North East
GW112 404	10BL602 019, 10WA11 4432	Well	Private	Groundwater Remediation	Groundwater Remediation		29/11/2007	1.30	1.30					963m	North East
GW104 450	10BL160 854	Bore	Private	Monitoring Bore	Monitoring Bore		01/01/2002	3.50	3.50			0.500		967m	North West
GW104 449	10BL160 854	Bore	Private	Monitoring Bore	Monitoring Bore		01/01/2002	3.50	3.50			1.000		969m	North West
GW104 990	10BL160 430, 10WA11 3313	Bore	Private	Domestic	Domestic		22/01/2002	6.00	6.00		3.50	1.000		974m	East
GW112 405	10BL602 019, 10WA11 4432	Well	Private	Groundwater Remediation	Groundwater Remediation		29/11/2007	1.30	1.30					975m	North East
GW013 331	10BL006 748	Bore	Private	General Use, Industrial	Industrial		01/08/1954	14.90	14.90					982m	North
GW107 976	10BL164 933	Spear	Private	Dewatering (groundwater)	Dewatering (groundwater)		05/10/2004	3.50	3.50					982m	North East
GW017 344	10BL008 344	Bore	Private	Not Known	Industrial		01/02/1955	13.80	13.80					988m	South East
GW015 954	10BL006 808	Bore	Private	Industrial	Industrial		01/05/1957	20.10	20.10					997m	North East
GW040 222		Well	Private		Industrial			7.00	7.00				8.69	1013m	South East
GW100 754	10BL156 761, 10WA11 4629	Bore	Private	Industrial	Industrial		21/06/1995	148.00	148.00	560	6.00	8.200		1016m	South
GW047 525	10BL105 640, 10WA11 4683	Bore	Local Govt	Recreation (groundwater)	Recreation (groundwater)		01/05/1975	17.10	19.40					1088m	North East
GW024 374	10BL016 571	Spear	Private	Irrigation	General Use		01/12/1965	5.10	5.20	Poor				1123m	North East
GW101 523	10BL158 689, 10WA11 3260	Bore	Private	Domestic	Domestic		01/06/1998	6.10	6.10	Good	1.52	1.000		1152m	East
GW108 104	10BL160 615	Bore		Industrial	Industrial		10/05/2007		20.00			13.000		1198m	North East
GW100 487	10BL157 229	Bore		Domestic			01/01/1996	5.00			4.00			1207m	South East

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GW102366	10BL159184, 10WA113281	Bore		Domestic	Domestic		23/05/1999	7.00	7.00					1226m	East
GW101457	10BL158490, 10WA113250	Spear	Private	Domestic	Domestic		02/03/1998	6.00	6.00					1238m	East
GW075023		Bore	NSW Office of Water		Monitoring Bore	BOTANY BOREFIELD AT LESTRANGE PARK	15/07/1998	18.50	26.00				8.44	1245m	East
GW024244	10BL018810, 10WA112967	Spear	Private	Domestic	General Use		01/11/1965	3.00	3.00	Fair				1252m	North East
GW101533	10BL157298	Bore	Private	Industrial	Industrial		06/11/1997	20.00	20.00	Good	4.40	1.000		1255m	North East
GW107395	10BL163147	Bore		Monitoring Bore	Monitoring Bore		22/07/2003	3.60	3.60					1256m	East
GW072413	10BL156159, 10WA113021	Spear	Private	Domestic	Domestic		31/10/1994	6.00	6.00					1275m	East
GW106987	10BL161311, 10WA113334	Spear	Private	Domestic	Domestic		10/04/2005	7.00	7.00					1279m	East
GW108497	10BL161956, 10WA114717	Bore	Private	Recreation (groundwater)			16/01/2008	8.00				3.000		1310m	North
GW107396	10BL163147	Bore		Monitoring Bore	Monitoring Bore		22/07/2003	3.50	3.50					1318m	East
GW023605	10BL017288, 10WA112883	Spear	Private	Domestic	General Use		01/01/1966	4.50	4.60	Good				1321m	East
GW107397	10BL163147	Bore		Monitoring Bore	Monitoring Bore		27/07/2003	3.60	3.60					1334m	East
GW105117	10BL160666, 10WA114711	Bore	Private	Recreation (groundwater)	Recreation (groundwater)		12/12/2012	14.00	14.00	220	1.30	5.000		1337m	East
GW072293		Spear	Private		Domestic		29/11/1994	6.60						1348m	East
GW103506	10BL159488	Bore		Monitoring Bore	Monitoring Bore		13/10/1999	6.00	6.00					1355m	North East
GW103505	10BL159488	Bore		Monitoring Bore	Monitoring Bore		14/10/1999	6.00	6.00					1355m	North East
GW103507	10BL159488	Bore		Monitoring Bore	Monitoring Bore		14/10/1999	6.00	6.00					1355m	North East
GW103508	10BL159488	Bore		Monitoring Bore	Monitoring Bore		15/10/1999	6.00	6.00					1355m	North East
GW105150	10BL157080, 10WA113111	Bore	Private	Domestic	Domestic		20/09/1995	5.00	5.00					1361m	North East
GW103504	10BL159488	Bore		Monitoring Bore	Monitoring Bore		13/10/1999	6.10	6.10					1363m	North East
GW072643	10BL156189	Bore	Local Govt	Test Bore	Test Bore		25/09/1996	12.00	12.00					1365m	North
GW109823	10BL164967	Bore	Private	Monitoring Bore	Monitoring Bore		23/10/2000	29.00	29.00	10.6	12.50	0.100		1420m	North
GW109822	10BL164967	Bore	Private	Monitoring Bore	Monitoring Bore		04/04/1997	10.45	10.45	958	3.00			1426m	North West
GW104866	10BL161625, 10WA113339	Bore	Private	Domestic	Domestic		17/03/2003	6.71	6.71		3.66	1.190		1427m	East

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GW073 477	10BL157 226, 10WA11 3127	Bore		Domestic	Domestic		20/10/1995	5.00						1433m	East
GW111 321	10BL601 845	Bore	Private	Monitoring Bore	Monitoring Bore		09/01/2007	5.00	5.00		2.63			1456m	North
GW072 632		Bore	Private		Domestic		02/12/1994	5.00	5.00					1483m	East
GW101 787	10BL157 379, 10WA11 3154	Bore		Domestic	Domestic		18/12/1995	5.80	5.80	Good	1.83	1.000		1484m	East
GW111 456	10BL604 566	Bore	Private	Monitoring Bore	Monitoring Bore		14/04/2011	5.20	6.20		2.77			1491m	South East
GW025 729	10BL016 155	(Unkn own)	Private	Industrial	Industrial		01/01/1940	21.30						1501m	South East
GW026 070	10BL017 804, 10WA11 2932	Spear	Private	Domestic	Domestic		01/01/1966	3.60	3.70					1504m	East
GW104 922	10BL160 557, 10WA11 3318	Bore	Private	Domestic	Domestic		09/03/2002	7.00	7.00		3.50	1.000		1514m	East
GW100 966	10BL156 935, 10WA11 3086	Spear	Private	Domestic	Domestic		23/08/1995	5.50	5.50	Good	1.83	1.000		1516m	East
GW101 477	10BL158 449, 10WA11 3241	Spear	Private	Domestic	Domestic		05/01/1998	6.00	6.00					1523m	East
GW101 475	10BL158 448, 10WA11 3240	Spear	Private	Domestic	Domestic		04/02/1998	6.00	6.00					1531m	East
GW110 909	10BL603 566	Well	Private	Monitoring Bore	Monitoring Bore		19/01/2010	5.80	5.80		2.50			1534m	South
GW111 457	10BL604 566	Bore	Private	Monitoring Bore	Monitoring Bore		14/04/2011	6.20	6.20		2.77			1539m	South East
GW023 472	10BL017 260, 10WA11 2877	Spear	Private	Domestic	General Use		01/03/1966	3.60	3.70	Good				1544m	East
GW112 268	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		21/03/2003	12.35	12.35					1556m	West
GW025 543	10BL016 154	Bore	Private	Industrial	Industrial		01/01/1963	18.50	18.60	Good			7.05	1560m	South East
GW111 320	10BL601 845	Bore	Private	Monitoring Bore	Monitoring Bore		09/01/2007	5.20	5.20		2.52			1560m	North
GW072 633		Bore	Private		Domestic		03/12/1994	5.00	5.00					1561m	East
GW114 173	10BL604 101	Bore	Private	Monitoring Bore	Monitoring Bore		05/10/2010	4.00	4.00					1561m	North East
GW114 172	10BL604 101	Bore	Private	Monitoring Bore	Monitoring Bore		05/10/2010	4.00	4.00					1564m	North East
GW114 174	10BL604 101	Bore	Private	Monitoring Bore	Monitoring Bore		05/10/2010	4.00	4.00					1564m	North East
GW114 171	10BL604 101	Bore	Private	Monitoring Bore	Monitoring Bore		05/10/2010	4.00	4.00					1569m	North East
GW114 170	10BL604 101	Bore	Private	Monitoring Bore	Monitoring Bore		05/10/2010	4.00	4.00					1572m	North East
GW072 634		Spear	Private		Domestic		24/10/1994	6.10	6.10					1583m	East
GW100 803	10BL156 210, 10WA11 3024	Bore		Domestic			31/12/1994	6.00	6.00		2.00			1591m	East
GW072 455	10BL156 142, 10WA11 3019	Bore		Domestic	Domestic		24/10/1994	5.80	5.80					1592m	East



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GW072 993	10BL156 242, 10WA11 3026	Bore		Domestic			01/01/1995	48.77	48.76			0.667		1594m	North East
GW100 053	10BL154 407, 10WA11 4697	Spear	Local Govt	Recreation (groundwater)	Recreation (groundwater)		20/04/1994	7.00	7.00		1.00	1.800		1595m	North
GW023 500	10BL017 646, 10WA11 2923	Spear	Private	Domestic	General Use		01/01/1966	5.40	5.50	Good				1596m	North East
GW025 553	10BL016 153	(Unknown)	Private	Industrial	Industrial		01/01/1940	17.00						1601m	South East
GW100 852	10BL157 549, 10WA11 3165	Spear	Private	Domestic	Domestic		14/03/1996	6.10	6.10	Good	1.83	1.000		1603m	North East
GW105 152	10BL157 076, 10WA11 3110	Bore	Private	Domestic	Domestic		20/09/1995	5.00	5.00					1611m	East
GW023 168	10BL017 001	Spear	Private	Domestic	General Use		01/01/1966	4.50	4.60					1615m	North East
GW101 446	10BL158 458, 10WA11 3243	Spear	Private	Domestic	Domestic		04/01/1998	6.00	6.00					1618m	East
GW110 910	10BL603 566	Well	Private	Monitoring Bore	Monitoring Bore		19/01/2010	6.00	6.00		3.00			1628m	South
GW110 906	10BL603 567	Well	Private	Monitoring Bore	Monitoring Bore		19/01/2010	5.80	5.80		3.50			1637m	South
GW110 911	10BL603 566	Well	Private	Monitoring Bore	Monitoring Bore		19/01/2010	6.00	6.00		3.20			1659m	South
GW112 267	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		20/03/2003	12.12	12.12					1662m	West
GW109 824	10BL164 967	Bore	Private	Monitoring Bore	Monitoring Bore		05/04/2005	20.70	20.70		4.51			1668m	North West
GW023 162	10BL016 979	Spear	Private	Domestic	General Use		01/01/1966	4.80	4.90	Good				1684m	North East
GW042 179		Well	Private		Not Known			24.00	24.00				12.26	1697m	North East
GW109 821	10BL164 967	Bore	Private	Monitoring Bore	Monitoring Bore		03/04/1997	35.00	35.00	4400	14.50			1705m	North
GW109 825	10BL164 967	Bore	Private	Monitoring Bore	Monitoring Bore		10/02/2005	22.00	22.00		14.90			1710m	North West
GW110 457	10BL603 007	Well	Private	Monitoring Bore	Monitoring Bore		01/05/2009	3.60	3.60		1.70			1713m	North
GW111 919	10BL602 004	Spear	Private	Monitoring Bore	Monitoring Bore		01/01/2007	7.00	7.00		90.00	0.200		1717m	North East
GW109 255	10BL602 488	Bore	Private	Monitoring Bore	Monitoring Bore		21/08/2008	7.30	7.30	Fresh	0.72			1724m	South East
GW110 907	10BL603 567	Well	Private	Monitoring Bore	Monitoring Bore		19/01/2010	5.80	5.80		3.80			1726m	South
GW111 920	10BL602 005	Spear	Private	Monitoring Bore	Monitoring Bore		01/01/2007	6.00	6.00		9.00	0.200		1726m	North East
GW023 561	10BL017 493, 10WA11 2901	Spear	Private	Domestic	General Use		01/01/1966	5.40	5.50	Good				1726m	North East
GW023 968		Spear	Private		General Use		01/01/1966	4.50	4.60	Good				1738m	North East
GW102 800	10BL159 567, 10WA11 3293	Bore		Domestic	Domestic		12/01/2000	6.10	6.10	Good				1745m	East
GW110 908	10BL603 567	Well	Private	Monitoring Bore	Monitoring Bore		19/01/2010	6.00	6.00		4.00			1748m	South
GW109 254	10BL602 488	Bore	Private	Monitoring Bore	Monitoring Bore		21/08/2008	9.70	9.70	Fresh	1.03			1749m	South East

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GW112 266	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		19/03/2003	10.37	10.37					1751m	West
GW109 253	10BL602 488	Bore	Private	Monitoring Bore	Monitoring Bore		21/08/2008	10.30	10.30	Fresh	1.42			1753m	South East
GW110 456	10BL603 007	Well	Private	Monitoring Bore	Monitoring Bore		01/05/2009	3.20	3.60		2.30			1768m	North
GW024 616	10BL019 001, 10WA11 2979	Spear	Private	Domestic	Domestic		01/09/1966	5.60	5.60					1779m	East
GW110 458	10BL603 007	Well	Private	Monitoring Bore	Monitoring Bore		01/05/2009	2.80	2.80		2.30			1780m	North
GW100 575	10BL158 007, 10WA11 3192	Spear	Private	Domestic	Domestic		20/04/1997	5.00	5.00					1791m	North East
GW075 022		Bore	NSW Office of Water		Monitoring Bore	BOTANY BOREFIELD AT BORALEE PARK	14/07/1998	15.75	16.75		1.77		8.45	1815m	South East
GW046 837	10BL107 198	Bore	Local Govt	Test Bore	Recreation (groundwater)		01/11/1970	14.80	14.80					1816m	South East
GW112 271	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		07/03/2003	19.51	19.51					1818m	West
GW112 275	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		27/02/2003	16.50	16.50					1820m	North West
GW100 993	10BL156 957, 10WA11 3091	Spear	Private	Domestic	Domestic		29/08/1995	5.49	5.49	Good	2.13	1.000		1827m	East
GW023 600	10BL017 286, 10WA11 2881	Spear	Private	Domestic	General Use		01/01/1966	7.30	7.30	Good				1831m	East
GW026 788	10BL016 246	Spear	Private	Industrial	Industrial		01/11/1965	20.40	20.40					1832m	South East
GW101 231	10BL158 390, 10WA11 3225	Spear	Private	Domestic	Domestic		21/12/1997	7.00	7.00					1833m	North East
GW112 068	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		11/07/2001	3.10	3.10					1839m	South
GW072 214		Bore	Private		Domestic		01/03/1995	5.00	5.00					1842m	East
GW112 603	10BL604 110	Bore	Private	Monitoring Bore	Monitoring Bore	Shell - Alexandria	13/07/2010	5.00	5.00		4.00			1842m	North East
GW112 600	10BL604 110	Bore	Private	Monitoring Bore	Monitoring Bore	Shell - Alexandria	13/07/2010	4.60	4.60		3.30			1844m	North East
GW101 161	10BL157 031, 10WA11 3100	Spear	Private	Domestic	Domestic		06/09/1995	6.10	6.10	Good	3.50	1.000		1845m	North East
GW112 072	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2001	3.20	3.20					1853m	South
GW100 945	10BL156 905, 10WA11 3083	Spear	Private	Domestic	Domestic		14/08/1995	7.10	7.10	Good	2.13	1.000		1855m	North East
GW112 272	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		03/03/2003	14.84	14.84					1858m	West
GW112 069	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2001	5.10	5.10					1860m	South
GW112 602	10BL604 110	Bore	Private	Monitoring Bore	Monitoring Bore	Shell - Alexandria	13/07/2010	5.00	5.00		3.80			1861m	North East
GW112 067	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		11/07/2001	3.10	3.10					1862m	South
GW112 075	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2001	3.20	3.20					1864m	South

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)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW112 074	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2001	3.20	3.20					1865m	South
GW103 193	10BL159 777, 10WA11 3296	Bore		Domestic	Domestic		01/01/1985	6.70	6.70		2.00	0.378		1868m	North East
GW112 073	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2001	3.20	3.20					1869m	South
GW112 598	10BL604 110	Bore	Private	Monitoring Bore	Monitoring Bore	Shell - Alexandria	13/07/2010	5.00	5.00					1875m	North East
GW112 274	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		26/02/2003	13.70	13.70					1876m	West
GW112 599	10BL604 110	Bore	Private	Monitoring Bore	Monitoring Bore	Shell - Alexandria	13/07/2010	4.50	4.50		3.50			1879m	North East
GW112 076	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		29/08/2001	5.20	5.20					1881m	South
GW112 601	10BL604 110	Bore	Private	Monitoring Bore	Monitoring Bore	Shell - Alexandria	13/07/2010	5.00	5.00		4.20			1885m	North East
GW112 071	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2001	3.20	3.20					1887m	South
GW112 078	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		29/08/2001	3.20	3.20					1891m	South
GW100 997	10BL158 173, 10WA11 3201	Spear	Private	Domestic	Domestic		01/10/1997	8.23	8.24	Good		1.000		1892m	North East
GW112 077	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		29/08/2001	3.20	3.20					1892m	South
GW112 597	10BL604 110	Bore	Private	Monitoring Bore	Monitoring Bore	Shell - Alexandria	13/07/2010	5.00	5.00		3.90			1893m	North East
GW103 943	10BL156 624	Bore		Test Bore	Test Bore		18/04/1995	14.00	14.00	8000				1896m	South
GW103 946	10BL156 624	Bore		Test Bore	Test Bore		19/04/1995	17.00	17.00	1400				1896m	South
GW103 950	10BL156 624	Bore		Test Bore	Test Bore		19/04/1995	21.00	21.00	10800				1896m	South
GW103 941	10BL156 624	Bore		Test Bore	Test Bore		18/04/1995	21.00	21.00	200				1896m	South
GW103 949	10BL156 624	Bore		Test Bore	Test Bore		19/04/1995	21.00	21.00	12900				1896m	South
GW103 945	10BL156 624	Bore		Test Bore	Test Bore		19/04/1995	21.00	21.00	7700				1896m	South
GW103 944	10BL156 624	Bore		Test Bore	Test Bore		19/04/1995	18.00	18.00	7600				1896m	South
GW103 951	10BL156 624	Bore		Test Bore	Test Bore		21/06/1995	149.00	149.00	560				1896m	South
GW103 947	10BL156 624	Bore		Test Bore	Test Bore		19/05/1995	18.00	18.00	9500				1896m	South
GW103 948	10BL156 624	Bore		Test Bore	Test Bore		19/04/1995	18.00	18.00	8300				1896m	South
GW103 942	10BL156 624	Bore		Test Bore	Test Bore		19/04/1995	12.00	12.00	5300				1896m	South
GW112 079	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		30/08/2001	3.20	3.20					1897m	South
GW112 070	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		28/08/2001	3.20	3.20					1904m	South
GW023 967	10BL017 821, 10WA11 2935	Spear	Private	Domestic	General Use		01/05/1966	2.70	2.70	Good				1904m	North East
GW112 080	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		17/10/2001	3.13	3.13					1906m	South
GW110 352	10BL602 743, 10WA11 4783	Bore	Local Govt	Recreation (groundwater)	Recreation (groundwater)		01/01/1975	40.00	40.00		10.00	2.000		1915m	North East
GW023 408	10BL016 677	Spear	Private	Domestic	General Use		01/12/1965	7.00	7.00					1917m	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)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW047 122	10BL105 636, 10WA11 4677	Bore	Local Govt	Recreation (groundwater)	Recreation (groundwater)		01/11/1970	19.50	19.50					1918m	South East
GW101 813	10BL157 317, 10WA11 3139	Bore		Domestic	Domestic		16/11/1995	8.54	8.54	Good	2.75	1.000		1919m	North East
GW112 279	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		18/04/2003	6.42	6.42					1919m	West
GW112 081	10BL160 239	Bore	Private	Monitoring Bore	Monitoring Bore		17/10/2001	3.00	3.00					1925m	South
GW109 542	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		20/07/2007	6.00						1935m	South East
GW112 280	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		18/04/2003	16.50	16.50					1942m	West
GW109 541	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		20/07/2007	6.00						1942m	South East
GW109 540	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		20/07/2007	6.00						1947m	South East
GW109 538	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		20/07/2007	6.00						1948m	South East
GW026 787	10BL016 247	Spear	Private	Industrial	Industrial		01/10/1965	24.80	24.80					1952m	South East
GW105 528	10BL160 254	Bore		Monitoring Bore	Monitoring Bore		02/12/1993	5.00	5.00					1953m	North East
GW073 515	10BL157 331, 10WA11 3143	Spear	Private	Domestic	Domestic		23/11/1995	7.00	7.00					1954m	East
GW109 537	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		08/02/2006	6.00						1954m	South East
GW107 233	10BL161 832, 10CA11 4693	Bore		Irrigation, Recreation (groundwater)	Irrigation, Recreation (groundwater)		28/06/2005	21.50	21.50		0.37	11.000		1958m	South East
GW023 164	10BL016 801, 10WA11 2846	Bore	Private	Domestic	General Use		01/01/1960	3.60	3.70	Good				1959m	South East
GW109 536	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		24/01/2006	6.00						1960m	South East
GW109 535	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		25/01/2006	6.00						1965m	South East
GW024 110	10BL017 514, 10WA11 2908	Bore	Private	Domestic	General Use			5.40		Good				1966m	South East
GW109 534	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		27/01/2006	6.00						1971m	South East
GW101 221	10BL158 317, 10WA11 3219	Spear	Private	Domestic	Domestic		12/12/1997	6.10	6.10	Good	2.13	1.000		1971m	North East
GW105 527	10BL160 254	Bore		Monitoring Bore	Monitoring Bore		15/12/2000	5.00	5.00					1977m	North
GW100 367	10BL157 662, 10WA11 3172	Spear	Private	Domestic	Domestic		30/05/1995	6.00	6.00	Good	2.90	0.500		1980m	North East
GW100 975	10BL156 944, 10WA11 3087	Spear	Private	Domestic	Domestic		10/05/1993	6.10	6.10	Good	2.74	1.000		1989m	North East
GW112 278	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		10/03/2003	17.10	17.10					1989m	West
GW109 533	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		30/01/2006	6.00						1990m	South East
GW109 539	10BL601 927	Bore	Private	Monitoring Bore	Monitoring Bore		06/11/2008	6.00						1991m	South 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)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW112 277	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		04/03/2003	19.70	19.70					1996m	West
GW112 273	10BL161 855	Bore	Private	Monitoring Bore	Monitoring Bore		17/03/2003	11.50	11.50					1997m	West

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

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## Driller's Logs

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

Groundwater No	Drillers Log	Distance	Direction
GW102171	0.00m-0.30m Fill: Brown/red Sand, some Silt 0.30m-0.80m Fill: Dark brown Sand, some Silt, wire, Clay, pipe and metal fragments 0.80m-1.70m Fill: Grey Clayey Sand, moist 1.70m-3.70m Dark grey/brown Silty Sand, wet, some Clay and Silt 3.70m-6.00m Dark Grey Silty Sand, some Peat	30m	South West
GW102178	0.00m-0.17m Concrete 0.17m-2.70m Fill: Dark grey/black Sand, concrete fragments, timber and sandstone fragments 2.70m-3.50m Dark brown/grey Clayey Sand, moist, with Silt and Peat. 3.50m-4.40m Dark brown/grey Sand, wet, some Silt and Peat	30m	South West
GW102189	0.00m-0.20m Concrete 0.20m-2.70m Fill: Dark brown/red Sand, moist, brick and rock fragments 2.70m-3.50m Dark brown/black Clayey Sand, moist, some Silt and Peat 3.50m-4.00m Dark brown/black Sand, wet, some Silt and Peat.	30m	South West
GW102190	0.00m-0.17m Concrete 0.17m-2.70m Fill: Dark brown/grey Sand, moist, glass and Sandstone fragments 2.70m-3.60m Black Peaty Clay, moist, some Sand 3.60m-4.00m Dark brown Sand, wet, some Silt and Peat	30m	South West
GW102192	0.00m-0.22m Concrete 0.22m-2.50m Fill: Brown/grey Sand, moist, rocks and steel fragments 2.50m-3.20m Black Peaty Clay, moist, some Sand 3.20m-4.00m Brown/black Sand, wet, some Silt and Peat	30m	South West
GW102197	0.00m-0.16m Concrete 0.16m-2.30m Fill: Light and dark brown Sand, moist, concrete and rock fragments 2.30m-3.60m Dark brown/grey Sand, moist, some Silt and Peat	30m	South West
GW102204	0.00m-2.20m Fill: Dark brown/red Sand, moist, metal, wire, and Sandstone fragments 2.20m-3.30m Dark brown/grey Sand, moist, some Silt and Peat	30m	South West
GW102205	0.00m-2.20m Fill: Dark brown Sand, moist, wire, timber, and metal fragments 2.20m-3.30m Dark brown/grey Sand, moist, some Silt and Peat	30m	South West
GW102160	0.00m-0.15m Concrete 0.15m-1.50m Fill: dark brown/grey, moist Sand, tile and metal fragments 1.50m-2.60m Fill: Klinker ash, dark grey, moist, loose 2.60m-3.80m Dark brown/grey Sandy Clay, moist, some ash 3.80m-5.00m Dark brown Sand, wet, some peat	31m	South West
GW102162	0.00m-0.15m Concrete 0.15m-2.50m Fill: Dark grey/black Sand, Silt, and Concrete fragments 2.50m-3.70m Dark brown/grey Clayey Sand, with Silt 3.70m-5.00m Dark brown/grey Sand, wet, some Silt and Peat	31m	South West
GW102164	0.00m-0.15m Concrete 0.15m-2.60m Fill: Dark brown/grey Sand, some metal, rock, brick 2.60m-3.80m Dark brown/grey Clayey Sand, wet, some Silt and Clay 3.80m-5.00m Dark brown/black Sand, wet, some Silt and Peat	31m	South West
GW102165	0.00m-0.10m Concrete 0.10m-0.70m Fill: Dark brown/grey Sand, moist, glass fragments 0.70m-2.60m Fill: Light brown/red Sand, moist, some Sandstone 2.60m-4.20m Black Peaty Clay, moist, some Sand 4.20m-5.00m Dark brown Sand, wet, some Silt and Peat	31m	South West
GW102168	0.00m-0.10m Concrete 0.10m-0.80m Fill: Dark brown/grey Sandy Clay, moist, some brick and rock fragments 0.80m-2.40m Fill: Sandstone boulders 2.40m-3.20m Black Peaty Clay, moist 3.20m-5.00m Brown/black Sand, wet, some Silt and Peat	31m	South West
GW102169	0.00m-0.10m Fill: Light brown/red Silty Sand, dry 0.10m-1.80m Fill: Dark brown Clayey Sand, moist, with plastic, wire, steel fragments 1.80m-2.50m Light Grey Clayey Sand, wet 2.50m-3.50m Dark grey Clayey Sand, wet, some Silt and Peat 3.50m-4.50m Dark brown Sand, wet, with Silt and Peat	31m	South West

Groundwater No	Drillers Log	Distance	Direction
GW102172	0.00m-0.70m Fill: Dark brown/grey Sandy Clay, moist, rock fragments 0.70m-1.80m Dark brown/grey Silty Sand, moist 1.80m-2.80m Light brown Sand, some Silt and Peat 2.80m-4.50m Dark grey/brown Sand, wet, some Silt and Peat	31m	South West
GW102173	0.00m-0.70m Fill: Brown/red Silty Sand, dry, steel, rock and glass fragments 0.70m-1.00m Dark brown Sand, moist, some Silt and Peat 1.00m-2.20m Light brown Sand, moist, some Silt and Peat 2.20m-3.40m Dark grey Clayey Sand, some Silt and Clay 3.40m-4.50m Dark grey Sand, wet, some Silt and Peat	31m	South West
GW102176	0.00m-0.10m Fill: Light brown/grey Sand, dry, some Silt 0.10m-0.70m Fill: Dark brown Sand, dry, steel, broken concrete 0.70m-2.20m Dark brown Sand, some Silt 2.20m-2.90m Light brown Sand, moist, some Peat 2.90m-3.40m Dark grey Clayey Sand, wet, some Silt and Peat 3.40m-4.50m Dark grey Sand, wet, some Silt and Peat	31m	South West
GW102184	0.00m-2.40m Fill: Dark grey/black Sand, moist, some rock, glass asbestos fragments 2.40m-3.40m Dark brown/red Clayey Sand, moist, some Silt and Peat 3.40m-4.20m Dark grey/black Sand, wet, some Silt and Peat	31m	South West
GW102185	0.00m-0.16m Concrete 0.16m-2.70m Fill: Dark grey Sand, moist, rock and brick fragments 2.70m-3.60m Dark grey/black Sand, moist, some Silt and Peat 3.60m-4.20m Light brown Sand, wet, some Silt and Peat	31m	South West
GW102186	0.00m-0.19m Concrete 0.19m-2.70m Fill: Dark brown/red Sand, moist, concrete, brick and asbestos fragments 2.70m-3.70m Dark brown/black Sand, wet, some Silt and Peat 3.70m-4.20m Light brown Sand, wet, some Silt and Peat	31m	South West
GW102187	0.00m-0.22m Concrete 0.22m-2.80m Fill: Grey/brown Sand, moist, Sandstone fragments and timber 2.80m-3.70m Dark brown/black Sand, moist, some Silt and Peat 3.70m-4.20m Light brown Sand, wet, some Silt and Peat	31m	South West
GW102188	0.00m-0.20m Concrete 0.20m-2.70m Fill: Dark brown/red Sand, moist, rock fragments 2.70m-4.00m Dark grey/black Sand, moist, some Silt and Peat	31m	South West
GW102191	0.00m-0.22m Concrete 0.22m-2.70m Fill: Dark grey/black Sand, moist, rock and metal fragments 2.70m-4.00m Dark brown/grey Sand, some Silt and Peat	31m	South West
GW102193	0.00m-0.17m Concrete 0.17m-2.60m Fill: Dark brown Sand, moist, rocks and concrete fragments 2.60m-3.90m Dark brown/black Sand, moist, some Silt and Peat	31m	South West
GW102194	0.00m-0.19m Concrete 0.19m-2.40m Fill: Dark brown Sand, rock and concrete fragments 2.40m-3.00m Dark grey/black Clayey Sand, moist, some Silt and Peat 3.00m-3.70m Dark brown Sand, wet, some Silt and Peat	31m	South West
GW102195	0.00m-0.15m Concrete 0.15m-2.40m Fill: Light and dark brown Sandy Clay, rubble 2.40m-3.60m Dark grey/black Sandy Clay, wet, sheen on soil	31m	South West
GW102196	0.00m-0.12m Concrete 0.12m-2.40m Fill: Dark brown/grey Sand, moist, brick and concrete fragments 2.40m-3.60m Dark brown Sand, wet, some Clay, Silt and Peat	31m	South West
GW102198	0.00m-0.15m Concrete 0.15m-2.30m Fill: Dark brown/black Sand, moist, some Clay and rubble 2.30m-3.10m Dark brown/grey Sand, moist, some Silt, Clay and Peat 3.10m-3.50m Black Peaty Clay, moist, some Sand	31m	South West
GW102199	0.00m-0.15m Concrete 0.15m-2.30m Fill: Dark brown/grey Sand, moist, clay, brick, and rock fragments 2.30m-3.00m Dark brown Clayey Sand, moist, some Silt and Peat 3.00m-3.50m Dark grey/brown Sand, wet, some Silt and Peat	31m	South West
GW102200	0.00m-0.16m Concrete 0.16m-1.50m Fill: Ripped Sandstone with metal and brick fragments 1.50m-2.30m Dark brown/black Sand, moist, some Silt and Peat 2.30m-3.50m Light brown/grey Sand, wet, some Silt and Peat	31m	South West
GW102201	0.00m-1.20m Fill: Dark brown/grey Sandy Clay, moist, rock fragments 1.20m-2.70m Light brown Sand, moist, some Silt and Peat 2.70m-3.50m Brown/grey Sand, wet, some Silt and Peat	31m	South West
GW102203	0.00m-1.20m Fill: Dark brown Sand, brick and metal fragments 1.20m-2.70m Light brown Sand, moist, some Silt and Peat 2.70m-3.50m Dark brown/grey Sand, wet, some Silt and Peat	31m	South West

Groundwater No	Drillers Log	Distance	Direction
GW101350	0.00m-5.90m SAND. FINE TO MEDIUM GRAINED	163m	West
GW101351	0.00m-5.05m SAND. SILTY, PEATY, WITH TRACES OF CLAY	163m	West
GW101352	0.00m-5.70m SAND. SILTY, PEATY	163m	West
GW101353	0.00m-6.00m SAND. FINE TO MEDIUM GRAINED, TRACE OF SILT	163m	West
GW101354	0.00m-6.00m SAND. FINE TO MEDIUM GRAINED WITH SOME SILT	163m	West
GW101355	0.00m-6.00m SAND. SILTY, PEATY WITH TRACE OF CLAY	163m	West
GW101356	0.00m-5.60m SAND. silty, peaty with traces of clay and some thin peat lenses	163m	West
GW101357	0.00m-5.90m SAND. FINE TO MEDIUM GRAINED, TRACE OF SILT	163m	West
GW101358	0.00m-6.00m SAND. FINE TO MEDIUM GRAINED	163m	West
GW101359	0.00m-6.00m SAND. FINE TO MEDIUM GRAINED WITH SOME SILT. SOME PEAT LENSES	163m	West
GW101360	0.00m-6.00m SAND. FINE TO MEDIUM GRAINED, TRACE OF SILT SOME PEAT LENSES	163m	West
GW101361	0.00m-4.30m SAND. FINE TO MEDIUM GRAINED WITH SOME SILT	163m	West
GW101362	0.00m-5.90m SAND. FINE TO MEDIUM GRAINED	163m	West
GW024655	0.00m-1.21m Ash Rubble 1.21m-2.43m Sand Peaty 2.43m-5.48m Peat Black 5.48m-7.92m Sand Peaty 5.48m-7.92m Clay Seams Water Supply 7.92m-9.14m Sand Grey Clean Water Supply	305m	South
GW031808	0.00m-0.15m Sand Dark Brown Light Brown 0.15m-5.63m Sand Yellow Fine 0.15m-5.63m Clay Yellow 5.63m-6.55m Sand 5.63m-6.55m Clay Black Silty 6.55m-6.85m Sand Black 6.55m-6.85m Clay Black 6.85m-8.38m Sand 8.38m-9.14m Clay 9.14m-9.90m Sand Yellow Fine Water Supply 9.90m-11.12m Sand Grey 9.90m-11.12m Clay Grey Fossils: wood Water Supply 11.12m-11.43m Sand Black 11.12m-11.43m Clay Black 11.43m-11.58m Clay Black 11.58m-11.88m Sand Grey Clayey 11.88m-12.80m Sand 11.88m-12.80m Clay Water Supply 12.80m-12.95m Clay Grey Dry 12.80m-12.95m Sand Grey 12.95m-14.17m Clay White Light Grey Sandy 14.17m-16.15m Clay Grey Yellow Red 16.15m-18.28m Clay Dark Grey Stiff	310m	South
GW104902	0.00m-7.10m UNCONSOLIDATED ALL SANDS	382m	East
GW104335	0.00m-0.10m PAVEMENT: CONCRETE 0.10m-0.80m FILL: SILTY SAND 0.80m-1.80m BOTANY SAND: SILTY SAND 1.80m-3.50m BOTANY SAND: SAND	395m	South East
GW033371	0.00m-0.91m Made Ground 0.91m-4.26m Sand 4.26m-4.41m Sand Peat Water Supply 4.41m-5.02m Clay Peaty 5.02m-6.09m Sand Peat Water Supply 6.09m-8.83m Sand Water Supply 8.83m-9.75m Clay Yellow Sandy 9.75m-10.97m Sand Water Supply Peat Fine 10.97m-11.58m Peat Sandy 11.58m-11.88m Clay Peaty	399m	South East
GW104333	0.00m-0.20m TOPSOIL/ SILTY SAND 0.20m-0.90m FILL: GRAVELLY SAND 0.90m-3.50m SAND: CLAYEY PEATY SAND	404m	South East

Groundwater No	Drillers Log	Distance	Direction
GW033372	0.00m-0.91m Made Ground 0.91m-3.04m Sand 3.04m-4.57m Sand Wet 4.57m-5.18m Peat 5.18m-5.79m Sand Peaty Water Supply 5.79m-6.70m Sand Grey Clay Seams 6.70m-9.14m Sand Peat 9.14m-9.60m Sand Water Supply 9.60m-11.58m Sand Peat Water Supply 11.58m-11.88m Clay Stiff Peaty	405m	South East
GW104334	0.00m-0.30m TOPSOIL:SILTY SAND 0.30m-3.50m SAND	415m	South East
GW104337	0.00m-0.10m PAVEMENT:CONCRETE AND BRICK 0.10m-3.50m BOTANY SAND:SAND	418m	South East
GW104336	0.00m-0.10m PAVEMENT: CONCRETE 0.10m-0.60m FILL:GRAVELLY CLAYEY SAND 0.60m-1.00m BOTANY SAND: SAND 1.00m-2.80m BOTANY SAND:CLAY/PEAT 2.80m-3.50m BOTANY SAND :SAND	432m	South East
GW024068	0.00m-1.52m Loam Light Sandy 1.52m-2.13m Loam Dark Brown 2.13m-2.74m Loam Sandy Water Supply 2.74m-3.35m Loam Dark Brown 3.35m-4.26m Sand	436m	East
GW104338	0.00m-0.10m PAVEMENT:CONCRETE 0.10m-0.80m FILL:GRAVELLY SAND 0.80m-1.60m BOTANY SAND:SAND 1.60m-3.50m BOTANY SAND:CLAYEY PEATY SAND	452m	South East
GW027749	0.00m-2.43m Sand 2.43m-5.18m Sand Peaty 5.18m-5.79m Peat Sandy 5.79m-8.22m Sand Very Dirty Peaty 8.22m-10.97m Peat Small 8.22m-10.97m Clay 10.97m-16.15m Sand White Water Supply 16.15m-16.45m Clay White Puggy	468m	North East
GW027248	0.00m-1.21m Topsoil 0.00m-1.21m Loam Sandy 1.21m-3.04m Sand 3.04m-4.87m Sand Slightly Silty Water Supply	518m	North
GW027750	0.00m-4.57m Sand Dry 4.57m-10.97m Sand Water Supply 10.97m-11.28m Clay Sandy Pete 11.28m-12.80m Sand Grey Slightly Peaty Water Supply 12.80m-14.63m Sand Very Dirty Pete Water Supply 14.63m-15.84m Sand Peaty Water Supply 15.84m-17.37m Sand Grey Clay Pete Water Supply 17.37m-17.38m Clay Sandy	530m	North East
GW072901	0.00m-7.00m Peaty Sand Fine To Medium	530m	North East
GW024036	0.00m-6.09m Sand	554m	South West
GW075024	0.00m-4.00m PEATY SAND,BLACK 4.00m-9.00m SAND,FINE COFFEE BROWN 9.00m-11.00m PEATY SAND,DARK BROWN 11.00m-15.50m SILTY SAND,MED GRAINED,GREY 15.50m-19.00m SANDY CLAY,DARK GREY	560m	North East
GW112651	0.00m-6.00m SAND LIGHT M/GRAIN	632m	North
GW103705	0.00m-0.15m CONCRETE PAVEMENT 0.15m-0.70m SAND:MEDIUM BROWN /ROCKS AND GLASS 0.70m-1.60m SAND:WHITE,NATURAL MATERIAL 1.60m-4.70m SAND:VERY DARK BROWN	678m	East
GW103706	0.00m-0.11m CONCRETE SLAB 0.11m-0.26m FILL 0.26m-0.36m CONCRETE SLAB 0.36m-0.50m SAND:BROWN 0.50m-1.60m SAND:YELLOW-BROWN 1.60m-2.40m LOAMY SAND:DARK BROWN 2.40m-3.40m SANDY LOAM:VERY DARK BROWN 3.40m-4.30m SANDY LOAM:DARK GREY	678m	East

Groundwater No	Drillers Log	Distance	Direction
GW103707	0.00m-0.90m SAND:ORANGE-BROWN 0.90m-1.20m SAND:RED 1.20m-1.50m SAND:SHARP BOUNDARY,PALE IN COLOUR 1.50m-1.70m SAND:GREY 1.70m-2.10m SAND:WHITE 2.10m-2.30m LOAMY SAND 2.30m-2.80m LOAMY SAND:PALER RED-BROWN 2.80m-4.20m SAND:YELLOW-GREY	678m	East
GW023525	0.00m-2.43m Sand 2.43m-3.04m Sand Hard Cemented 3.04m-5.94m Sand Water Supply	715m	South East
GW103588	0.00m-7.00m SAND	736m	North East
GW047123	0.00m-1.52m Soil Black Sandy 1.52m-10.06m Sand Peat Water Supply 10.06m-10.67m Peat Sand 10.67m-14.94m Sand Some Peat Water Supply, Traces Clay 14.94m-15.24m Peat Sand 15.24m-18.29m Sand Some Peat Water Supply 18.29m-18.90m Peat Sand 18.90m-18.91m Clay Grey	773m	North East
GW025994	0.00m-0.30m Made Ground 0.30m-4.41m Sand Yellow Moist 4.41m-10.51m Sand Grey Water Supply 10.51m-13.25m Sand Grey White Water Supply	780m	South East
GW013515	0.00m-8.22m Sand	794m	North East
GW104988	0.00m-7.00m SAND	829m	North East
GW100484	0.00m-0.30m CONCRETE 0.30m-2.50m FILL 2.50m-4.00m NATURAL SANDS	914m	North East
GW114857	0.00m-0.21m CONCRETE 0.21m-2.20m FILL CLAYEY SILTY SAND DARK BROWN,TRACE OF SANDSTONE 2.20m-2.80m SAND, FINE TO MED. GRAINED 2.80m-4.20m CLAYEY SILTY SAND, FINE GRAINED 4.20m-6.00m SAND,FINE TO MEDIUM GRAINED YELLOW AND GREY BROWN	955m	North East
GW104990	0.00m-6.00m SAND	974m	East
GW013331	0.00m-1.52m Sand Yellow Loamy 1.52m-7.92m Sand Peaty Dirty 7.92m-10.36m Sand Dirty Water Supply 10.36m-10.66m Wood Peaty 10.66m-12.19m Sand Peaty Water Supply 12.19m-12.49m Clay Sandy 12.49m-14.94m Sand Dark Pete Water Supply	982m	North
GW107976	0.00m-0.70m topsoil, fill 0.70m-2.00m sand, loose 2.00m-2.50m sandy, coarse 2.50m-3.50m sand, peaty	982m	North East
GW017344	0.00m-0.76m Made Ground 0.76m-2.43m Sand Grey 2.43m-3.65m Sand Water Supply 3.65m-4.87m Sand Grey 4.87m-7.01m Sand Greasy 7.01m-7.92m Sand Water Supply 7.92m-8.53m Sand Grey Peaty 8.53m-9.29m Sand Clay 9.29m-10.05m Sand Peat Clay 10.05m-10.36m Sand Water Supply 10.36m-11.58m Sand Peaty 11.58m-11.88m Sand 11.88m-12.34m Clay Grey Peaty 12.34m-13.71m Sand Grey Peaty Water Supply 13.71m-13.80m Peat	988m	South East



Groundwater No	Drillers Log	Distance	Direction
GW015954	0.00m-0.30m Made Ground 0.30m-1.82m Sand White Fine 1.82m-5.10m Sand Fine 5.10m-5.18m Peat 5.18m-6.70m Sand Fine 6.70m-6.78m Peat 6.78m-8.22m Sand Fine Water Supply 8.22m-8.61m Peat 8.61m-10.97m Sand Dark Brown Fine Water Supply 10.97m-11.12m Peat 11.12m-12.80m Sand Dark Brown Fine Water Supply 12.80m-13.71m Sand Fine Water Supply 13.71m-13.79m Peat 13.79m-16.15m Sand Dark Grey Fine Water Supply 16.15m-17.98m Sand Dark Brown Fine Water Supply 17.98m-19.20m Sand Dark Grey Water Supply 19.20m-19.50m Clay Dark Grey 19.50m-19.81m Sand Clay 19.81m-20.11m Clay	997m	North East
GW100754	0.00m-1.30m FILL 1.30m-13.90m LAYERED SANDS 13.90m-15.40m PEAT 15.40m-18.60m LAYERED SANDS 18.60m-24.80m GREY MARINE CLAY 24.80m-38.20m GREY F/G SANDSTONE CLAY MATRIX 38.20m-47.30m MOIST WHITE F/G S/STONE 47.30m-51.70m YELLOW M/G S/S- CLAY MATRIX 51.70m-54.90m FRACTURE WHITE S/STONE 54.90m-63.70m SHALE 63.70m-66.80m SHALE/QUARTZ/S/S CROSS BED 66.80m-93.20m WHITE M/G S/STONE 93.20m-96.50m SILSTONE 96.50m-101.80m WHITE M/G S/STONE 101.80m-117.20m DARK GREY SHALE 117.20m-130.10m WHITE M/G S/STONE 130.10m-135.00m WHITE M/G S-S QUARTZ MATRIX 135.00m-136.30m SHALE 136.30m-139.50m WHITE M/G S/STONE 139.50m-142.00m FRACTURED GREY S/STONE 142.00m-148.00m GREY M/G S/STONE	1016m	South
GW047525	0.00m-0.61m Peat Sandy 0.61m-1.52m Sand Peaty 1.52m-4.27m Sand Dirty Water Supply 4.27m-6.25m Sand Indurated Water Supply 6.25m-12.65m Sand Dirty Water Supply 12.65m-12.95m Clay Soft Sandy Water Supply 12.95m-13.87m Sand Grey Some Clay Water Supply 13.87m-17.07m Sand Grey Dirty Water Supply Wood Decomposed 17.07m-19.20m Clay Grey Peaty Sandy 19.20m-19.35m Sandstone	1088m	North East
GW024374	0.00m-5.18m Sand Water Supply	1123m	North East
GW101523	0.00m-6.10m UNCONSOLIDATED SAND	1152m	East
GW102366	0.00m-7.00m SAND	1226m	East
GW101457	0.00m-6.00m sand	1238m	East
GW075023	0.00m-2.00m PEATY SAND 2.00m-8.00m SAND,FINE GRAINED,YELLOW 8.00m-9.50m SAND,DENSE,FINE,OLIVE GREY 9.50m-11.00m PEATY SAND,DARK BROWN 11.00m-12.00m SAND,GREY 12.00m-14.00m PEATY SAND,DARK BROWN 14.00m-15.00m SANDY PEAT,BLACK 15.00m-19.00m CLAYEY SAND,BROWN 19.00m-26.00m CLAY,DARK GREY	1245m	East
GW024244	0.00m-1.52m Soil 1.52m-3.04m Water Supply	1252m	North East
GW101533	0.00m-2.00m FILL, CONCRETE BLOCKS 2.00m-11.00m SAND, BROWN, PEATY 11.00m-13.50m SAND, BLACK, PEATY 13.50m-18.00m SAND, BROWN. W.B. 18.00m-19.50m SAND,BROWN,WITH GREY CLAY SEAMS 19.50m-20.00m CLAY,DARK BROWN	1255m	North East

Groundwater No	Drillers Log	Distance	Direction
GW107395	0.00m-0.40m MOSTLY ASH 0.40m-1.00m SILTY SAND 1.00m-3.60m GRADES TO PALE GREY	1256m	East
GW072413	0.00m-6.00m SAND	1275m	East
GW106987	0.00m-7.00m Sand	1279m	East
GW107396	0.00m-0.30m SILTY SAND 0.30m-1.00m SILTY SAND,MEDIUM DENSITY 1.00m-3.50m GRADES TO PALE GREY BROWN SAT.	1318m	East
GW023605	0.00m-0.60m Sand Grey 0.60m-4.57m Sand White Water Supply	1321m	East
GW107397	0.00m-0.50m SILTY SAND 0.50m-2.50m SILTY SAND,MEDIUM DENSITY 2.50m-3.60m GRADES TO YELLO/GREY	1334m	East
GW105117	0.00m-0.60m GREY SAND 0.60m-0.80m ROCK 0.80m-3.50m SAND LIGHT BROWN 3.50m-6.30m YELLOW SAND 6.30m-9.80m WHITE SAND 9.80m-9.90m GREY CLAY 9.90m-13.30m GREY SAND 13.30m-14.00m PEATY SAND	1337m	East
GW103505	0.00m-0.16m CONCRETE 0.16m-0.80m FILL(SILTY SAND) SILT AND GRAVEL 0.80m-1.80m FILL(SILTY SAND) SILT AND SHELLS 1.80m-2.70m SAND: BROWN/ORANGE WITH SILT 2.70m-3.30m SAND: GREY,BROWN,MOIST WITH SILT 3.30m-6.00m SAND: BROWN/ORANGE,SOME SILT	1355m	North East
GW103506	0.00m-0.17m CONCRETE 0.17m-1.00m FILL (SILTY SAND) SANDSTONE FRAG. 1.00m-1.30m SAND: GREYMOIST WITH SOME SILT 1.30m-1.80m SAND: BROWN,RED, MOIST,SOME SILT 1.80m-2.30m SAND:WHITE,MOIST 2.30m-3.30m SAND: GREY/BROWN,MOIST SOME SILT 3.30m-6.00m SAND: YELLOW/BROWN,MOIST WITH SILT	1355m	North East
GW103507	0.00m-0.16m CONCRETE 0.16m-1.20m FILL(SILTY SAND),SOME GRAVEL,SHELLS 1.20m-1.80m SAND: BROWN AND GREY,SOME SILT 1.80m-2.30m SAND: WHITE MOIST,FINE GRAINED 2.30m-2.80m SANDY PEAT:DARK BROWN,MOIST,SILT 2.80m-6.00m SILTY SAND:BROWN/ORANGE,WITH SILT	1355m	North East
GW103508	0.00m-0.16m CONCRETE 0.16m-0.70m FILL(SILTY SAND)DARK BROWN,MOIST/GRAVEL 0.70m-1.60m FILL(SILTY SAND)SOME CLAY/SANDSTONE 1.60m-3.40m SAND:RED/BROWN,WITH SILT 3.40m-3.80m SAND:YELLOW/BROWN/MOIST WITH SILT 3.80m-6.00m SILTY SAND:DARK BROWN/GREY/SILT	1355m	North East
GW105150	0.00m-5.00m SAND	1361m	North East
GW103504	0.00m-0.50m BITUMEN 0.50m-0.60m FILL(SILTY SAND)/GRAVEL/SANDSTONE 0.60m-2.00m FILL (SAND),GRAVEL,SOME ASH AND CLAY 2.00m-2.80m SANDY LOAM: DARK BROWN WITH SILT 2.80m-6.10m SAND:YELLOW,ORANGE,MOIST	1363m	North East
GW072643	0.00m-2.00m FILL 2.00m-6.50m MEDIUM SANDY GRAVEL 6.50m-7.20m GREY SILTY CLAY WB 7.20m-8.50m MEDIUM SAND WB 8.50m-10.00m BROWN SILTY SAND WB 10.00m-12.00m GREY SHALE CLAY	1365m	North
GW109823	0.00m-3.00m FILL 3.00m-6.00m CLAYEY SAND 6.00m-8.11m SAND 8.11m-11.50m SANDY CLAY 11.50m-29.00m SHALE	1420m	North
GW109822	0.00m-2.60m FILL 2.60m-3.80m CLAYEY SAND 3.80m-8.20m SAND 8.20m-10.45m CLAY	1426m	North West
GW104866	0.00m-6.71m UNCONSOLIDATED ALL SAND	1427m	East

Groundwater No	Drillers Log	Distance	Direction
GW111321	0.00m-0.18m CONCRETE 0.18m-0.90m GRAVELLY CLAYEY SAND,DENSE,MOIST 0.90m-1.60m GRAVEL SILTY,DENSE,VERY MOIST 1.60m-2.00m SAND,CLAYEY SAND,GREY,FINE GRAINED 2.00m-5.00m CLAY,SANDY,SOFT,L/PLASTICITY,SAND FINE GRAINED	1456m	North
GW072632		1483m	East
GW101787	0.00m-5.79m Unconsolidated Sand	1484m	East
GW111456	0.00m-0.60m SAND SILTY 0.60m-6.20m SAND	1491m	South East
GW026070	0.00m-3.65m Sand	1504m	East
GW104922	0.00m-7.00m SAND	1514m	East
GW100966	0.00m-5.50m UNCONSOLIDATEDALL SANDS	1516m	East
GW101477	0.00m-6.00m SAND	1523m	East
GW101475	0.00m-6.00m SAND	1531m	East
GW110909	0.00m-0.30m ROADBASE GREY 0.30m-1.00m SAND WITH GRAVEL,BROWN-GREY 1.00m-2.00m SAND WITH GRAVEL DARK GREY 2.00m-3.80m SAND LIGHT BROWN 3.80m-5.80m SAND GREY	1534m	South
GW111457	0.00m-0.09m ASPHALT 0.09m-0.20m BASE COURSE 0.20m-0.60m SAND FILLING 0.60m-1.30m SAND 1.30m-2.00m COFFEE ROCK 2.00m-6.20m SAND	1539m	South East
GW023472	0.00m-0.60m Sand Grey 0.60m-1.52m Sand White 1.52m-1.82m Sand Hard Cemented 1.82m-3.65m Sand Yellow Water Supply	1544m	East
GW025543	0.00m-0.09m Made Ground 0.09m-2.74m Sand Coarse 2.74m-7.62m Sand 7.62m-7.77m Clay Grey 7.77m-9.44m Sand 9.44m-12.49m Sand Grey Water Supply 12.49m-12.80m Wood Peat 12.80m-14.02m Sand Water Supply 14.02m-14.63m Clay Peaty 14.63m-18.28m Sand Water Supply 18.28m-18.59m Clay Peaty	1560m	South East
GW111320	0.00m-0.18m CONCRETE 0.18m-0.33m SAND,GRAVELLY CLAYEY,M/DENSE 0.33m-0.70m SAND,VERY LOOSE,MOIST 0.70m-1.50m SAND,CLAYEY,MEDIUM DENSE,MOIST,DARK BROWN 1.50m-4.00m SAND,LOOSE, VERY MOIST,BROWN 4.00m-4.50m SAND CLAYEY,MEDIUM DENSE,GREY/BROWN 4.50m-5.20m CLAY SANDY,SOFT,SATURATED,L/PLASTICITY	1560m	North
GW072633		1561m	East
GW072634	0.00m-6.10m Unconsolidated Sand	1583m	East
GW072455	0.00m-5.80m UNCONSOLIDATED ALL SAND	1592m	East
GW100053	0.00m-0.95m FILL 0.95m-2.12m BROWN PEAT & SAND 2.12m-6.00m WHITESAND (WB) 6.00m-7.00m DARK GREY CLAY	1595m	North
GW023500	0.00m-5.48m Sand Water Supply	1596m	North East
GW100852	0.00m-6.10m UNCONSOLIDATED ALL SAND	1603m	North East
GW105152	0.00m-5.00m SAND	1611m	East
GW023168	0.00m-4.57m Sand White Water Supply	1615m	North East

Groundwater No	Drillers Log	Distance	Direction
GW101446	0.00m-6.00m SAND	1618m	East
GW110910	0.00m-0.30m ROADBASE,GREY 0.30m-1.00m SAND SILTY WITH GRAVEL,GREY,BROWN 1.00m-3.00m SAND BROWN 3.00m-4.50m SAND WITH SHELLS GREY 4.50m-6.00m SAND WITH GRAVELS BLACK.	1628m	South
GW110906	0.00m-1.00m ROADBASE GREY 1.00m-2.80m SAND GREY 2.80m-5.80m SAND BROWN	1637m	South
GW110911	0.00m-0.30m ROADBASE GREY 0.30m-2.20m SAND SILTY WITH GRAVEL GREY 2.20m-3.50m SAND WITH SHELLS GREY 3.50m-6.00m SAND WITH SHELLS DARK GREY/BLACK	1659m	South
GW109824	0.00m-4.50m FILL 4.50m-9.00m LAMINITE 9.00m-17.00m SHALE 17.00m-20.70m SANDSTONE	1668m	North West
GW023162	0.00m-2.43m Sand White 2.43m-4.87m Loam Water Supply	1684m	North East
GW109821	0.00m-2.20m FILL 2.20m-35.00m ASHFIELD SHALE	1705m	North
GW109825	0.00m-4.50m FILL 4.50m-22.00m SHALE	1710m	North West
GW110457	0.00m-0.25m CONCRETE 0.25m-0.90m FILL 0.90m-1.70m SANDY SILT,SILT 1.70m-3.60m SAND	1713m	North
GW109255	0.00m-0.30m FILL, SAND AND GRAVEL 0.30m-2.90m SILTY SAND,WET @ 1.55m BGL 2.90m-7.30m SAND	1724m	South East
GW023561	0.00m-0.91m Sand Black 0.91m-5.48m Sand White Water Supply	1726m	North East
GW110907	0.00m-0.30m ROADBASE GREY 0.30m-0.90m SILTY SAND 0.90m-1.20m SAND,SILTY GREY BROWN 1.20m-3.50m SAND DARK GREY 3.50m-5.80m SAND LIGHT GREY	1726m	South
GW023968	0.00m-2.43m Sand White 2.43m-4.57m Loam Water Supply	1738m	North East
GW102800	0.00m-6.10m CONSOLIDATED ALL SANDS	1745m	East
GW110908	0.00m-0.30m ROAD BASE GREY 0.30m-1.00m SAND WITH GRAVEL GREY 1.00m-4.00m SAND DARK GREY 4.00m-6.00m SAND LIGHT GREY,BROWN	1748m	South
GW109254	0.00m-0.30m FILL, SAND AND GRAVEL 0.30m-2.60m SILTY SAND WET @ 1.0 m 2.60m-9.70m SAND	1749m	South East
GW109253	0.00m-0.60m FILL, SAND 0.60m-2.80m SILTY SAND 2.80m-10.30m SAND WET BELOW 1.4 m	1753m	South East
GW110456	0.00m-0.30m CONCRETE 0.30m-0.50m FILL 0.50m-0.60m CONCRETE 0.60m-1.80m SILTY SAND 1.80m-3.60m SAND	1768m	North
GW024616	0.00m-5.63m Sand Water Supply	1779m	East
GW110458	0.00m-0.70m FILL 0.70m-2.80m SANDS	1780m	North
GW100575	0.00m-5.00m SAND	1791m	North East

Groundwater No	Drillers Log	Distance	Direction
GW075022	0.00m-2.00m SILTY SAND 2.00m-5.00m SAND,YELLOW BROWN 5.00m-6.00m PEATY SAND 6.00m-6.50m SAND,YELLOW 6.50m-8.00m PEATY SAND,GREY 8.00m-9.00m PEAT,FIRM,BLACK 9.00m-13.00m SAND,FINE TO MED GRAINED,BROWN 13.00m-14.00m PEATY SAND,BROWN 14.00m-14.50m PEAT,MED,BLACK 14.50m-15.00m CLAY,GREY 15.00m-15.75m SANDY CLAY,WHITE GREY 15.75m-16.75m BED ROCK	1815m	South East
GW046837	0.00m-2.44m Sand Dark Brown 2.44m-5.79m Sand 5.79m-7.01m Sand Peaty 7.01m-7.62m Peat 7.62m-9.14m Sand Dirty 9.14m-9.30m Clay 9.30m-12.19m Sand Dirty 12.19m-12.50m Sand Soak 12.50m-12.80m Sand Water Bearing Water Supply 12.80m-14.02m Peat 14.02m-14.78m Sandstone	1816m	South East
GW100993	0.00m-5.49m UNCONSOLIDATED ALL SANDS	1827m	East
GW023600	0.00m-0.60m Sand Grey 0.60m-7.31m Sand Yellow Water Supply	1831m	East
GW026788	0.00m-1.21m Sand White 1.21m-10.36m Sand 10.36m-10.97m Peat 10.97m-12.19m Sand 12.19m-12.49m Peat 12.49m-13.72m Sand Dirty Pete 13.72m-15.84m Sand Dirty 15.84m-17.67m Sand Yellow 17.67m-18.89m Sand Grey Clayey 18.89m-20.42m Clay Grey Pete	1832m	South East
GW101231	0.00m-7.00m Sand	1833m	North East
GW072214		1842m	East
GW112603	0.00m-1.30m FILL, SANDY ,GRAVELLY,,GRAVEL 1.30m-4.00m SILTY SAND, BROWN,M/GRAINED,WELL GRADED 4.00m-5.00m SILTY SAND,DARK BROWN.FINE TO MED. GRAINED	1842m	North East
GW112600	0.00m-0.30m CONCRETE 0.30m-4.60m (Unknown)	1844m	North East
GW101161	0.00m-6.10m UNCONSOLIDATED, ALL SAND	1845m	North East
GW100945	0.00m-7.10m ALL SAND UNCONSOLIDATED	1855m	North East
GW112602	0.00m-1.50m FILL, CLAYEY,GRAVELLY,BROWN,DRY TO MOIST 1.50m-5.00m SILTY SAND,BROWN TO D/BROWN,WET	1861m	North East
GW112598	0.00m-0.30m CONCRETE 0.30m-1.30m SANDSTONE CRUSHED 1.30m-3.50m SAND,DARK BROWN,FINE TO MEDIUM GRAINED 3.50m-4.50m SAND MOIST TO WET 4.50m-5.00m SAND BROWN TO LIGHT BROWN , WET	1875m	North East
GW112599	0.00m-0.30m CONCRETE 0.30m-0.80m GRAVELLY SAND,FILO,DARK BROWN 0.80m-1.60m SAND GREY FINE TO MED. GRAINED 1.60m-3.50m SAND TO DARK BROWN 3.50m-4.50m SAND WET	1879m	North East
GW112601	0.00m-0.30m CONCRETE 0.30m-1.30m FILL SANDY BROWN,SOME SANDSTONE 1.30m-5.00m FILL,SANDY,BROWN COARSE,MOIST,WET	1885m	North East
GW100997	0.00m-8.23m UNCONSOLIDATED SAND	1892m	North East
GW112597	0.00m-0.80m FILL, CLAYEY, SANDY GRAVELLY,SANDSTONE 0.80m-1.10m SAND. LIGHT GREY,FINE GRAINED,MOIST 1.10m-3.00m SAND TO DARK BROWN 3.00m-3.90m SAND TO LIGHT BROWN 3.90m-5.00m SAND WET,STRONG HYDROCARBON ODOUR	1893m	North East

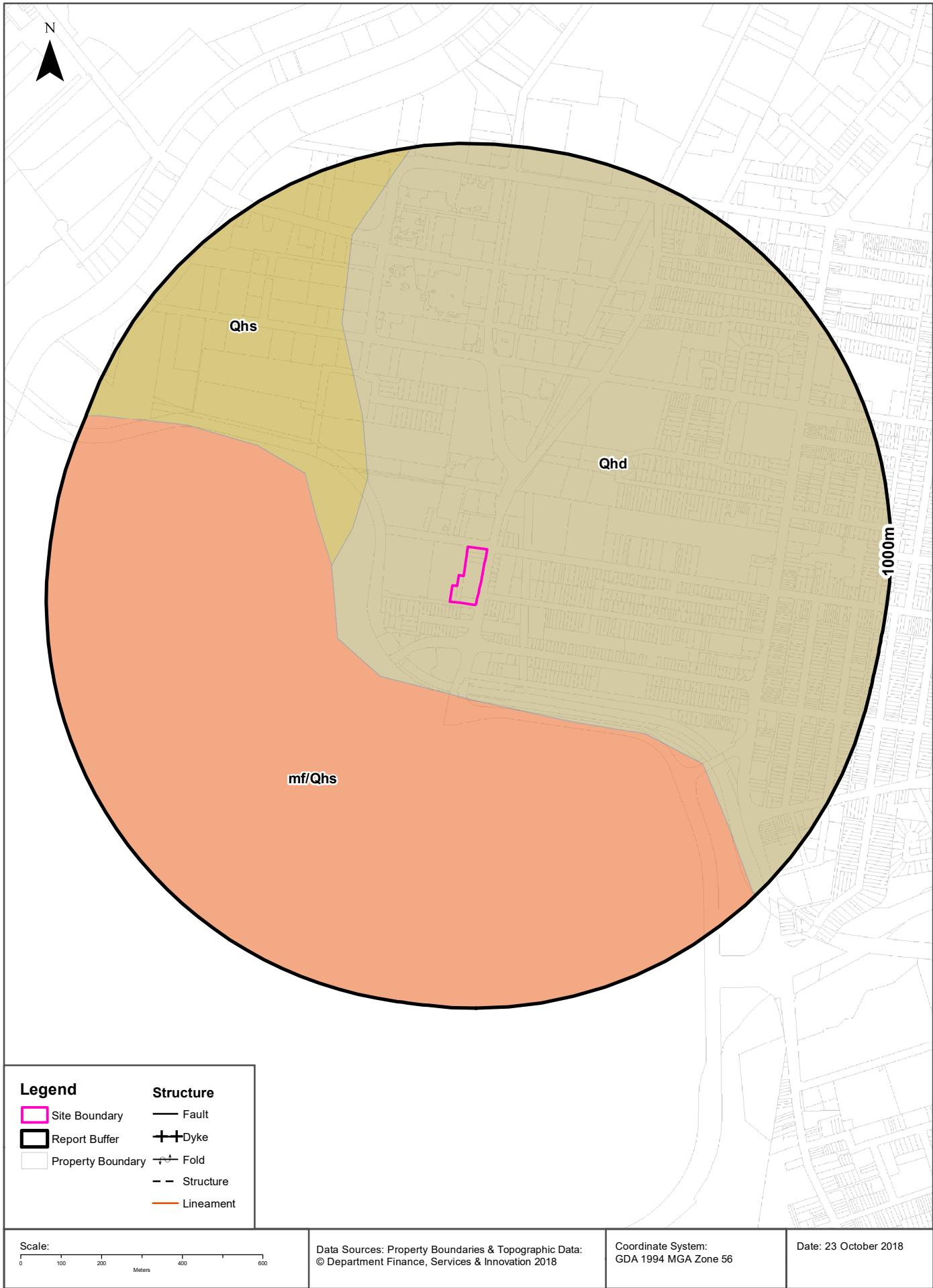


Groundwater No	Drillers Log	Distance	Direction
GW103941	0.00m-1.00m FILL 1.00m-4.00m WHITE/ORANGE SAND 4.00m-5.00m SAND 5.00m-9.00m WHITE SAND 9.00m-10.00m SAND LIGHT BROWN 10.00m-13.00m SAND LIGHT BROWN WITH PEAT 13.00m-19.00m CLAY GREY 19.00m-21.00m SANDSTONE YELLOW RED	1896m	South
GW103942	0.00m-7.00m SAND GREY 7.00m-9.00m SAND BROWN GREY 9.00m-12.00m SANDSTONE BROWN	1896m	South
GW103943	0.00m-1.00m WHITE SAND WITH SEA SHELLS 1.00m-3.00m WHITE SAND 3.00m-8.00m WHITE AND BROWN SAND 8.00m-10.00m BROWN SAND 10.00m-13.00m BROWN SANDSTONE 13.00m-14.00m GREY SANDSTONE	1896m	South
GW103944	0.00m-7.00m SAND GREY 7.00m-14.00m SAND,STONE,PEAT 14.00m-15.00m CLAY RED BROWN 15.00m-17.00m CLAY 17.00m-18.00m SANDSTONE BROWN AND GREY	1896m	South
GW103945	0.00m-1.00m FILL 1.00m-5.00m LIGHT BROWN SAND 5.00m-6.00m GREY SAND SEA SHELLS 6.00m-8.00m WHITE SAND 8.00m-15.00m GREY SAND WITH PEAT 15.00m-18.00m BROWN CLAY 18.00m-21.00m BROWN SANDSTONE	1896m	South
GW103946	0.00m-6.00m SAND WHITE BROWN 6.00m-7.00m SAND DARK GREY 7.00m-8.00m SAND WHITE 8.00m-9.00m SAND DARK GREY WHITE 9.00m-10.00m SAND DARK GREY W.B. 10.00m-11.00m SAND DARK GREY WHITE 11.00m-12.00m SAND WHITE 12.00m-13.00m SAND BROWN 13.00m-15.00m SANDSTONE WHITE 15.00m-17.00m SANDSTONE LIGHT BROWN	1896m	South
GW103947	0.00m-2.00m WHITE BROWN SAND 2.00m-3.00m WHITE SAND BROWN CLAY 3.00m-8.00m WHITE DARK BROWN SAND 8.00m-11.00m WHITE GREY SAND 11.00m-13.00m YELLOW BROWN SAND 13.00m-15.00m BROWN RED WHITE CLAY 15.00m-16.00m RED BROWN WHITE CLAY 16.00m-18.00m BROWN SANDSTONE	1896m	South
GW103948	0.00m-5.00m FILL 5.00m-10.00m GREY SAND WITH PEAT 10.00m-11.00m WHITE SAND WITH PEAT 11.00m-14.00m WHITE SAND WITH PEAT 14.00m-15.00m WHITE SAND WITH PEAT 15.00m-16.00m RED SANDSTONE WHITE CLAY 16.00m-18.00m RED SANDSTONE WHITE GREY CLAY	1896m	South
GW103949	0.00m-8.00m FILL 8.00m-9.00m WHITE SAND/SEA SHELLS 9.00m-13.00m GREY WHITE SAND 13.00m-14.00m GREY WHITE SAND AND PEAT 14.00m-15.00m WHITE AND BROWN SAND 15.00m-16.00m DARK GREY WHITE SAND 16.00m-17.00m RED WHITE CLAY 17.00m-18.00m WHITE YELLOW CLAY 18.00m-19.00m WHITE BROWN CLAY 19.00m-20.00m WHITE YELLOW GREY CLAY 20.00m-21.00m GREY SANDSTONE AND GREY CLAY	1896m	South
GW103950	0.00m-6.00m FILL 6.00m-7.00m DARK GREY SAND 7.00m-15.00m DARK GREY SAND AND PEAT 15.00m-16.00m DARK GREY SAND AND GREY CLAY 16.00m-17.00m YELLOW RED BROWN CLAY 17.00m-18.00m YELLOW RED BROWN CLAY 18.00m-20.00m GREY SANDY CLAY 20.00m-21.00m GREY SANDSTONE	1896m	South

Groundwater No	Drillers Log	Distance	Direction
GW103951	0.00m-1.30m FILL 1.30m-13.90m LAYED SANDS 13.90m-15.40m PEAT 15.40m-18.60m LAYED SANDS 18.60m-24.80m GREY CLAY 24.80m-38.20m GREY SANDSTONE 38.20m-47.30m MOIST WHITE SANDSTONE 47.30m-51.70m YELLOW SANDSTONE AND CLAY 51.70m-54.40m FRACTURED WHITE SANDSTONE 54.40m-62.30m GREY LITTLE SANDSTONE 62.30m-63.70m SHALE 63.70m-66.80m SHALE/QUARTZ/SANDSTONE 66.80m-85.70m GREY SANDSTONE 85.70m-93.20m WHITE SANDSTONE 93.20m-96.50m SILTSTONE 96.50m-101.80m WHITE SANDSTONE M.G 101.80m-117.20m DARK GREY SHALE 117.20m-130.10m WHITE M.G. SANDSTONE 130.10m-135.00m WHITE M.G. SANDSTONE 135.00m-136.30m SHALE 136.30m-139.50m WHITE M.G. SANDSTONE 139.50m-142.00m FRACTURED GREY SANDSTONE 142.00m-149.00m GREY SANDSTONE M.G.	1896m	South
GW023967	0.00m-1.82m Sand White 1.82m-2.43m Sand Grey Water Supply 2.43m-2.74m Mud Black	1904m	North East
GW023408	0.00m-1.52m Soil Black Hard 1.52m-7.01m Sand Water Supply	1917m	North East
GW047122	0.00m-1.52m Made Ground 1.52m-4.57m Sand Dirty 4.57m-8.23m Sand 8.23m-8.53m Peat 8.53m-9.14m Sand 9.14m-9.45m Peat 9.45m-12.19m Sand Peaty 12.19m-16.46m Sand Water Supply 16.46m-17.68m Sand Peaty Wood Water Supply 17.68m-18.29m Sand Dirty Water Supply 18.29m-19.51m Sand Grey Clay Bands 19.51m-19.52m Clay Stiff Peaty	1918m	South East
GW101813	0.00m-8.54m UNCONSOLIDATED SAND	1919m	North East
GW026787	0.00m-3.96m Sand Dry 3.96m-6.09m Sand Clean Water Supply 6.09m-8.53m Sand Peaty 8.53m-9.44m Sand Clean Peaty 9.44m-16.45m Sand Peaty 16.45m-18.59m Sand Clean Water Supply 18.59m-21.03m Sand Water Supply 21.03m-21.33m Sand Grey Clayey 21.33m-22.55m Sand Peaty 22.55m-24.84m Clay Dark Grey Stiff	1952m	South East
GW105528	0.00m-1.00m SAND,GREY,SOME GRAVEL,CLAY WET 1.00m-1.50m GRAVELLY CLAY,YELLOW BROWN 1.50m-2.50m SANDY SILT,BLACK 2.50m-4.00m SAND,L/BROWN,GREY 4.00m-5.00m SAND GREY,L/BROWN	1953m	North East
GW073515	0.00m-7.00m SAND	1954m	East
GW107233	0.00m-0.30m TOPSOIL 0.30m-1.50m GREY SAND 1.50m-6.50m YELLOW SAND 6.50m-12.20m BROWN SILTY SAND 12.20m-12.60m BLACK PEAT 12.60m-13.10m BLACK PEATY SAND 13.10m-16.70m BROWN PEATY SAND 16.70m-16.90m BLACK PEAT 16.90m-18.40m BROWN SAND 18.40m-18.80m BLACK PEAT 18.80m-21.30m BROWN SAND 21.30m-21.50m BLACK PEAT	1958m	South East
GW023164	0.00m-3.65m Sand Water Supply	1959m	South East
GW101221	0.00m-6.10m Unconsolidated - all sand.	1971m	North East

Groundwater No	Drillers Log	Distance	Direction
GW105527	0.00m-0.80m FILL, SANDY GRAVEL 0.80m-2.10m SAND, MEDIUM GRAINED, BROWN/YELLOW 2.10m-5.00m SAND, MEDIUM GRAINED, YELLOW/WHITE	1977m	North
GW100367	0.00m-6.00m ALL SAND - UNCONSOLIDATED	1980m	North East
GW100975	0.00m-6.10m UNCONSOLIDATED ALL SANDS	1989m	North East

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp  
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## Geology

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### Geological Units

What are the Geological Units onsite?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Qhd	Medium to fine-grained marine sand with podsols				Quaternary		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/Qhs							Sydney	1:100,000
Qhd	Medium to fine-grained marine sand with podsols				Quaternary		Sydney	1:100,000
Qhs	Peat, sandy peat, and mud.				Quaternary		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

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## Naturally Occurring Asbestos Potential

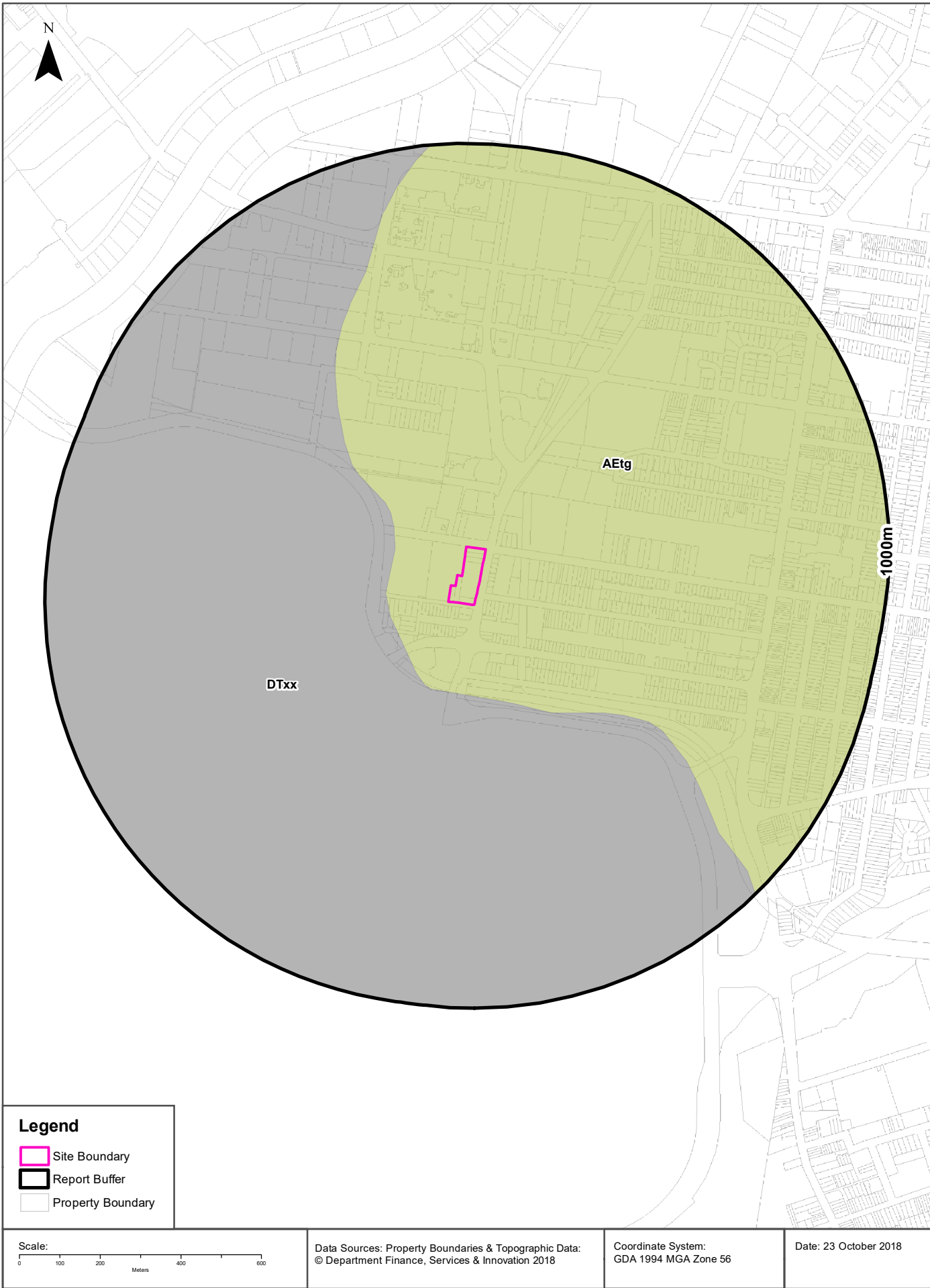
Naturally Occurring Asbestos Potential within the dataset buffer:

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

# Soil Landscapes

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Soils

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## Soil Landscapes

What are the onsite Soil Landscapes?

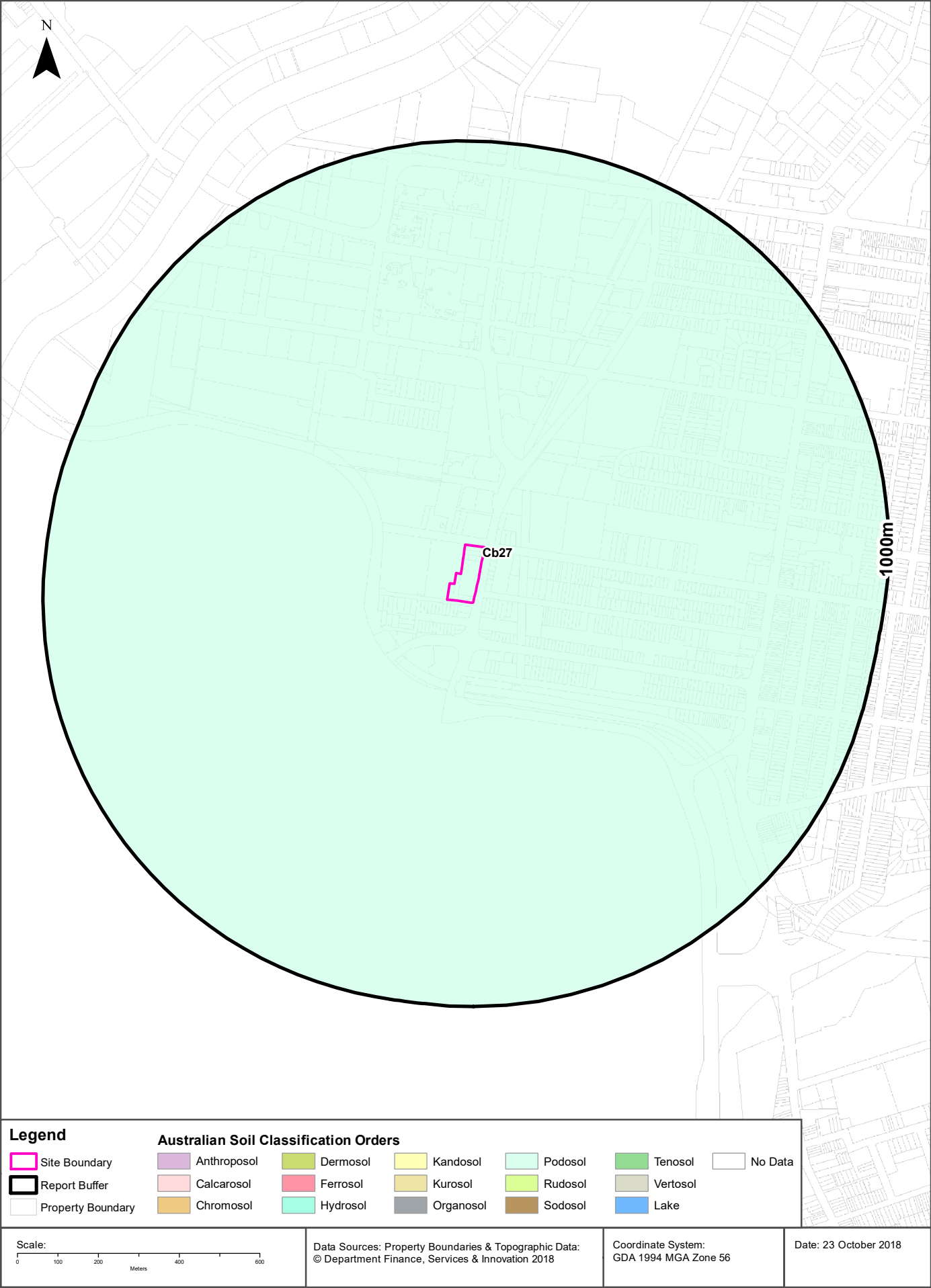
Soil Code	Name	Group	Process	Map Sheet	Scale
AEtg	TUGGERAH		AEOLIAN	Sydney	1:100,000

What are the Soil Landscapes within the dataset buffer?

Soil Code	Name	Group	Process	Map Sheet	Scale
AEtg	TUGGERAH		AEOLIAN	Sydney	1:100,000
DTxx	DISTURBED TERRAIN		DISTURBED TERRAIN	Sydney	1:100,000

Soils Landscapes Data Source : NSW Office of Environment and Heritage

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## Soils

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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
Cb27	Podosol	Coastal sand plains and dunes, lagoons, and swampy areas: chief soils are leached sands (Uc2.3 and Uc2.2). Associated are dunes of siliceous sands (Uc1.2) and/or calcareous sands (Uc1.1) fringing the coastline; and swampy areas of (Uf6) soils and (Uc1.2) soils with peaty surfaces. Unit Cb27 has similarities with units Cb28 and Ca6.	0m

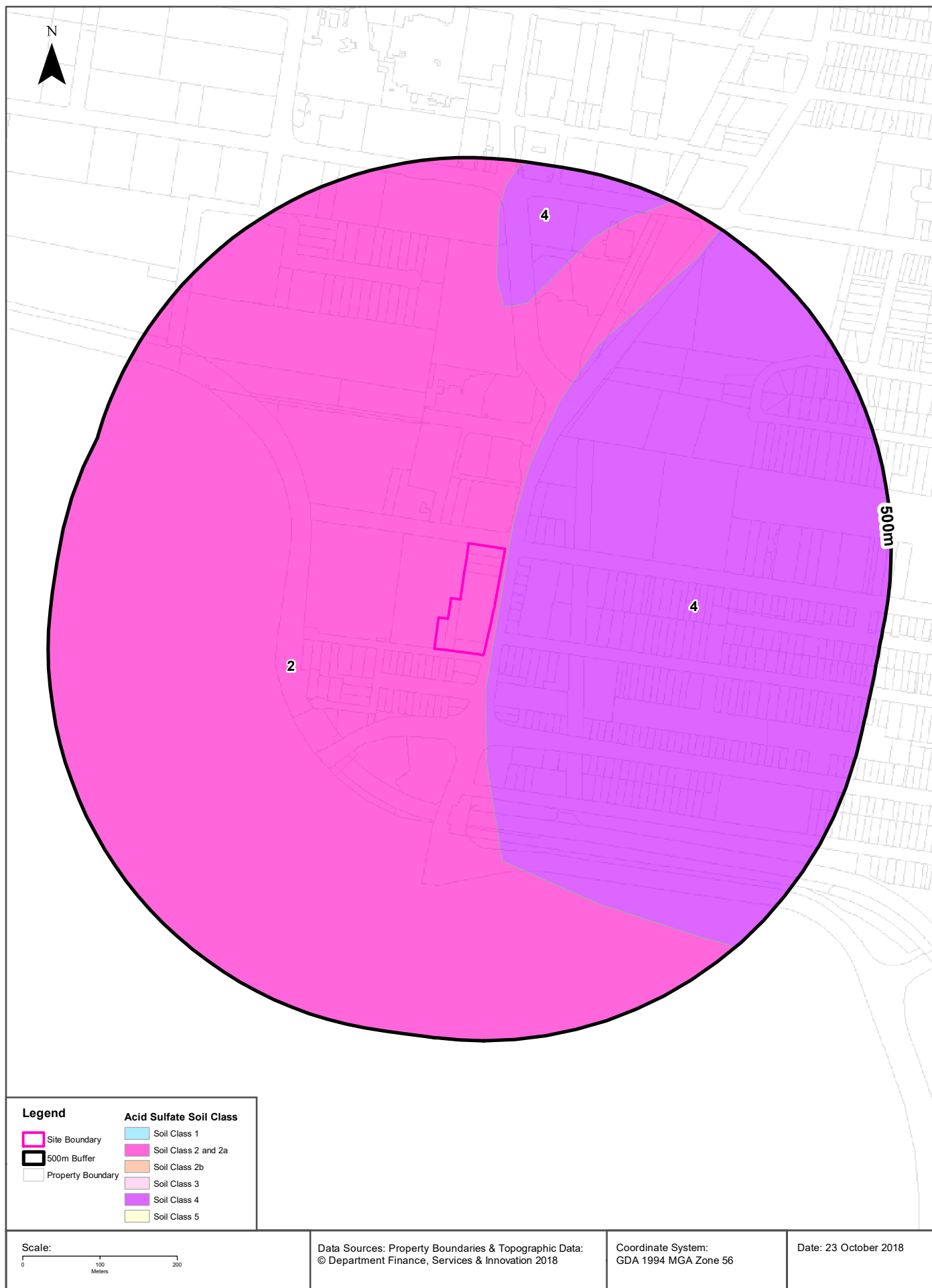
Atlas of Australian Soils Data Source: CSIRO

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Acid Sulfate Soils

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Acid Sulfate Soils

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### Standard Local Environmental Plan Acid Sulfate Soils

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

Soil Class	Description	LEP
2	Works below natural ground surface present an environmental risk; Works by which the watertable is likely to be lowered present an environmental risk	Botany Bay Local Environmental Plan 2013

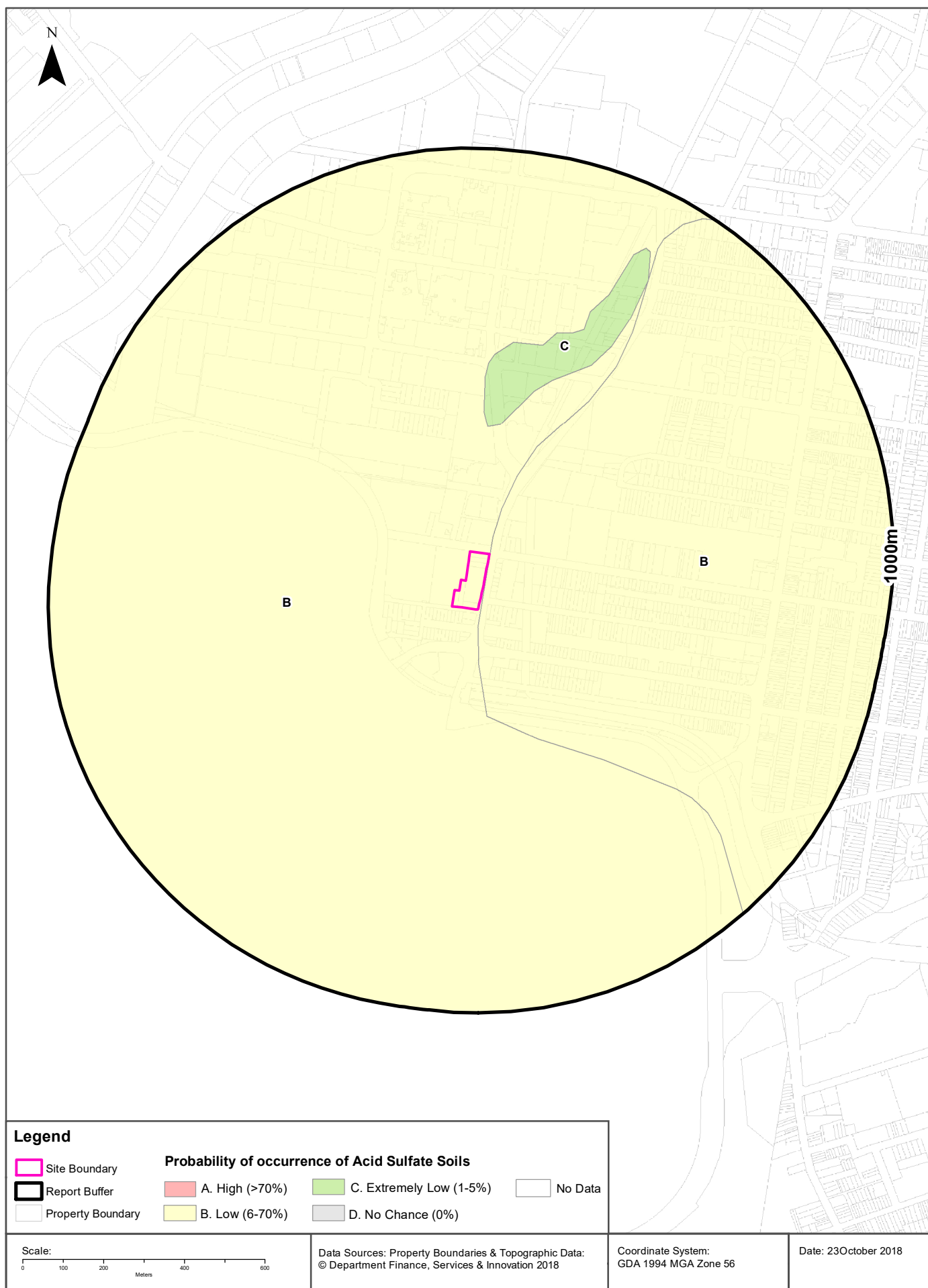
If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	LEP	Distance	Direction
N/A				

Acid Sulfate Data Source Accessed 07/10/2016: NSW Crown Copyright - Planning and Environment  
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# Atlas of Australian Acid Sulfate Soils

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Acid Sulfate Soils

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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.	313m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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## Dryland Salinity

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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 Subsidence Districts

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## 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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## Environmental Zoning

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### State Environmental Planning Policy Protected Areas

Are there any State Environmental Planning Policy Protected Areas onsite or within the dataset buffer?

Dataset	Onsite	Within Site Buffer	Distance
SEPP14 - Coastal Wetlands	No	No	N/A
SEPP26 - Littoral Rainforests	No	No	N/A
SEPP71 - Coastal Protection Zone	No	No	N/A

SEPP Protected Areas Data Source: NSW Department of Planning & Environment  
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### State Environmental Planning Policy Major Developments (2005)

State Environmental Planning Policy Major Developments within the dataset buffer:

Map Id	Feature	Effective Date	Distance	Direction
N/A	No records within buffer			

SEPP Major Development Data Source: NSW Department of Planning & Environment  
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### State Environmental Planning Policy Strategic Land Use Areas

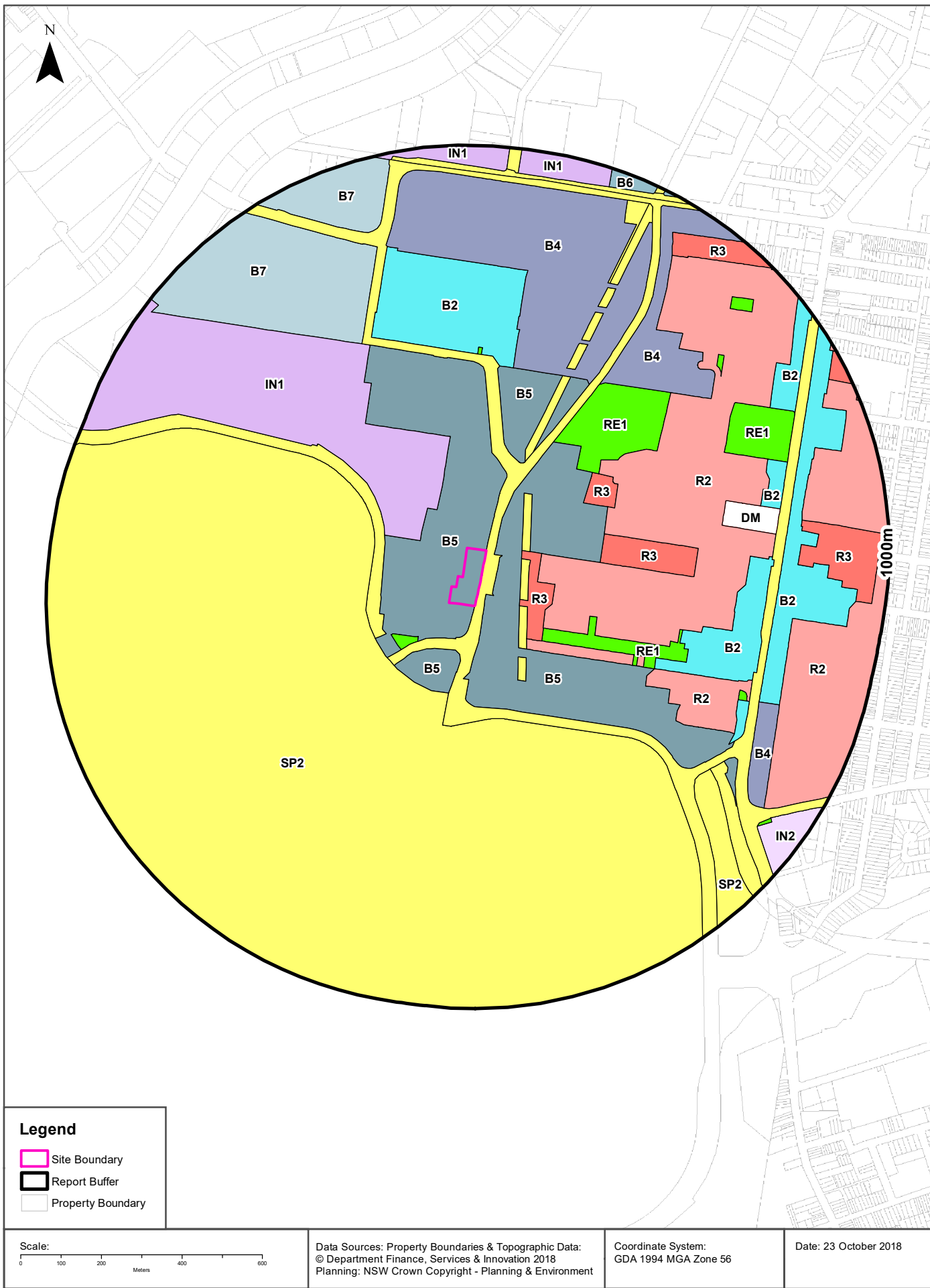
State Environmental Planning Policy Strategic Land Use Areas onsite or within the dataset buffer:

Strategic Land Use	SEPPNo	Effective Date	Amendment	Amendment Year	Distance	Direction
No records within buffer						

SEPP Strategic Land Use Data Source: NSW Department of Planning & Environment  
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# LEP Planning Zones

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



# Local Environmental Plan

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

## Land Zoning

What Local Environmental Plan Land Zones exist within the dataset buffer?

Zone	Description	Purpose	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B5	Business Development		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		0m	Onsite
SP2	Infrastructure	Classified Road	Botany Bay Local Environmental Plan 2013	09/10/2015	09/10/2015	19/02/2016	Amendment No 4	0m	South East
B5	Business Development		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		20m	South East
R3	Medium Density Residential	<Null>	Botany Bay Local Environmental Plan 2013	09/10/2015	09/10/2015	19/02/2016		89m	East
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		89m	North East
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		90m	East
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		108m	South East
B5	Business Development		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		114m	South West
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		114m	South West
IN1	General Industrial		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		118m	North West
R2	Low Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		137m	North East
R2	Low Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		152m	South East
SP2	Infrastructure	Railway	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		164m	North West
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		166m	South East
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		178m	South East
SP2	Infrastructure	Airport	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		203m	South West
B5	Business Development		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		234m	North
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		240m	North East
R3	Medium Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		269m	North East
B5	Business Development		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		272m	North East
R3	Medium Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		284m	East
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		302m	North East
R2	Low Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		423m	South East
B2	Local Centre		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		458m	North
B4	Mixed Use		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		459m	North
R2	Low Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		461m	South East
B2	Local Centre		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		467m	East
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		481m	North

Zone	Description	Purpose	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		495m	North East
B4	Mixed Use		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		499m	North East
B7	Business Park		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		569m	North West
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		574m	North East
DM	Deferred Matter		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		588m	East
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		638m	North East
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		667m	North East
B2	Local Centre		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		690m	East
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		690m	South East
B2	Local Centre		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	10/02/2017		694m	South East
SP2	Infrastructure	Airport	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		696m	South East
SP2	Infrastructure	Railway	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		710m	South East
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		726m	North East
B5	Business Development		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		728m	South East
B2	Local Centre		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		730m	East
SP2	Infrastructure	Electricity Substation	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		730m	North East
SP2	Infrastructure	Sewerage	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		731m	North East
B4	Mixed Use		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		744m	South East
R3	Medium Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		775m	East
R2	Low Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		778m	East
B2	Local Centre		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		788m	North East
B7	Business Park		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		820m	North
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		852m	North East
R3	Medium Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		866m	North East
RE1	Public Recreation		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		887m	South East
IN2	Light Industrial		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		889m	South East
SP2	Infrastructure	Classified Road	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	16/12/2016		928m	North East
IN1	General Industrial		Sydney Local Environmental Plan 2012	12/06/2015	12/06/2015	16/12/2016	Amendment No 17	939m	North
SP2	Infrastructure		Sydney Local Environmental Plan 2012	12/06/2015	12/06/2015	16/12/2016	Amendment No 17	939m	North
R3	Medium Density Residential		Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	19/02/2016		950m	North East
B6	Enterprise Corridor		Sydney Local Environmental Plan 2012	12/06/2015	12/06/2015	16/12/2016	Amendment No 17	953m	North
SP2	Infrastructure	Classified Road	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	16/12/2016		982m	North East
B6	Enterprise Corridor		Sydney Local Environmental Plan 2012	12/06/2015	12/06/2015	16/12/2016	Amendment No 17	987m	North East

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## Local Environmental Plan

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### Minimum Subdivision Lot Size

What are the onsite Local Environmental Plan Minimum Subdivision Lot Sizes?

Symbol	Minimum Lot Size	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Percentage of Site Area
No Data							

### Maximum Height of Building

What are the onsite Local Environmental Plan Maximum Height of Buildings?

Symbol	Maximum Height of Building	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Percentage of Site Area
23	44.00 m	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015		100

### Floor Space Ratio

What are the onsite Local Environmental Plan Floor Space Ratios?

Symbol	Floor Space Ratio	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Percentage of Site Area
84	3.00	LEP	21/06/2013	21/06/2013	09/10/2015		99.9

### Land Application

What are the onsite Local Environmental Plan Land Applications?

Application Type	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Percentage of Site Area
Included	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	21/06/2013		100

### Land Reservation Acquisition

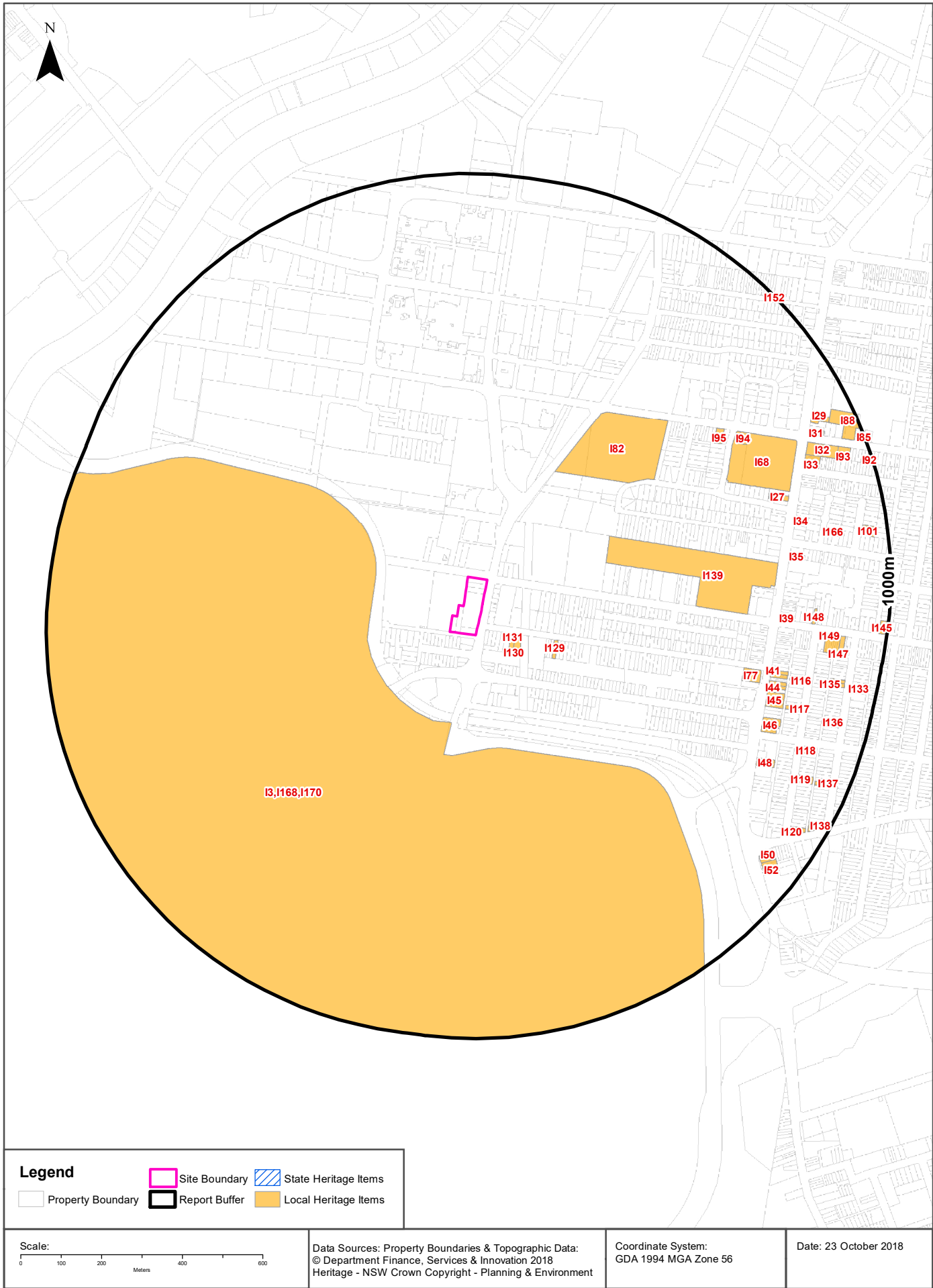
What are the onsite Local Environmental Plan Land Reservation Acquisitions?

Reservation	LEP	Published Date	Commenced Date	Currency Date	Amendment	Comments	Percentage of Site Area
No Data							

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Heritage Items

215-235 O’Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020



## Heritage

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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
N/A	No records in buffer							

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage  
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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	Published Date	Commenced Date	Currency Date	Distance	Direction
I131	House - "Daktari"	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	83m	South East
I130	Mature Ficus	Item - Landscape	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	84m	South East
I129	House group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	191m	South East
I3,I168,I170	Commonwealth Water Pumping Station and Sewerage Pumping Station	Item - General	State	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	202m	South West
I139	Mascot Public School Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	296m	East
I82	Mascot Park	Item - Landscape	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	317m	North East
I68	Memorial Park	Item - Landscape	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	641m	North East
I95	M.B.W.S. Pumping Station	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	656m	North East
I77	Former Tennyson Hotel	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	664m	East
I94	Botany Family Day Care	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	708m	North East
I27	Mature Ficus	Item - Landscape	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	724m	East
I39	Commercial Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	731m	East
I41	Commercial Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	732m	East
I42	Commercial Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	732m	East

Map Id	Name	Classification	Significance	EPI	Published Date	Commenced Date	Currency Date	Distance	Direction
I43	Commercial Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	733m	East
I44	Commercial Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	734m	East
I45	Commercial Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	735m	East
I46	Commercial Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	739m	East
I35	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	750m	East
I48	Single Storey Terrace Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	759m	South East
I34	Mature Hoop Pine	Item - Landscape	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	775m	East
I116	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	781m	East
I117	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	786m	East
I148	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	810m	East
I33	Commercial Building Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	832m	North East
I166	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	844m	East
I32	Coronation Hall	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	847m	North East
I149	Terrace Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	849m	East
I118	Corner Store	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	855m	South East
I119	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	870m	South East
I31	Former National Bank of Australasia	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	875m	North East
I134	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	880m	East
I135	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	880m	East
I147	House - "Beverley"	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	885m	East
I136	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	887m	East
I50	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	889m	South East
I30	Electricity Substation No.147	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	890m	North East
I29	House Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	894m	North East

Map Id	Name	Classification	Significance	EPI	Published Date	Commenced Date	Currency Date	Distance	Direction
I51	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	894m	South East
I52	Beckenham Memorial Church	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	904m	South East
I120	House - "Verandale"	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	911m	South East
I137	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	914m	South East
I93	Fire Station	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	914m	North East
I88	Uniting Church and Rectory	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	930m	North East
I101	House Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	932m	East
I133	House Group	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	937m	East
I138	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	944m	South East
I145	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	978m	East
I92	House - "Highhurstwood"	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	983m	East
I85	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	992m	North East
I152	House	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	994m	North East
I91	House - "Orara"	Item - General	Local	Botany Bay Local Environmental Plan 2013	21/06/2013	21/06/2013	09/10/2015	997m	East

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## Natural Hazards

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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	55m	West
Weed_Ex	Weed_Ex: Weeds and Exotics			00: Not assessed	00: Not assessed	0: Not assessed	Exotic Species >90%cover	678m	South East
Plant_n	Plant_n: Plantation (native and/or exotic)			00: Not assessed	00: Not assessed	0: Not assessed	Native or Exotic Plantations	972m	South East
S_FrW03	S_FrW03: Coastal Freshwater Wetland	Sydney Freshwater Wetlands		20: Weeds and exotics	13: Weeds	3: High	T.orientalis/P.aus tralis	990m	South East

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

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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

215-235 O'Riordan Street & 1-3 Ewan Place, Mascot, NSW 2020

### 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	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	Ardea ibis	Cattle Egret	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Ardenna carneipes	Flesh-footed Shearwater	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Ardenna pacificus	Wedge-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA;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 bairdii	Baird's Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;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	Callocephalon fimbriatum	Gang-gang Cockatoo	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Calyptorhynchus lathamii	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Charadrius leschenaultii	Greater Sand-plover	Vulnerable	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
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;JAMBA

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Chlidonias leucopterus	White-winged Black Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	Dasyornis brachypterus	Eastern Bristlebird	Endangered	Category 2	Endangered	
Animalia	Aves	Diomedea exulans	Wandering Albatross	Endangered	Not Sensitive	Endangered	JAMBA
Animalia	Aves	Diomedea gibsoni	Gibson's Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Egretta sacra	Eastern Reef Egret	Not Listed	Not Sensitive	Not Listed	CAMBA
Animalia	Aves	Epthianura albigula	White-fronted Chat	Endangered Population, Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Erythrorhynchus radiatus	Red Goshawk	Critically Endangered	Category 2	Vulnerable	
Animalia	Aves	Esacus magnirostris	Beach Stone-curlew	Critically Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Fregata ariel	Lesser Frigatebird	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	Gelochelidon nilotica	Gull-billed Tern	Not Listed	Not Sensitive	Not Listed	CAMBA
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	CAMBA
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	CAMBA; 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	Macronectes halli	Northern Giant-Petrel	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Merops ornatus	Rainbow Bee-eater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Neochmia ruficauda	Star Finch	Presumed Extinct	Not Sensitive	Endangered	
Animalia	Aves	Neophema chrysogaster	Orange-bellied Parrot	Critically Endangered	Category 3	Critically Endangered	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	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



Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
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	Oxyura australis	Blue-billed Duck	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	
Animalia	Aves	Petroica phoenicea	Flame Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pezoporus wallicus wallicus	Eastern Ground Parrot	Vulnerable	Category 3	Not Listed	
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 swainsonii	Superb Parrot	Vulnerable	Category 3	Vulnerable	
Animalia	Aves	Procelsterna cerulea	Grey Ternlet	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	Rostratula australis	Australian Painted Snipe	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stercorarius parasiticus	Arctic Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Stercorarius pomarinus	Pomarine Jaeger	Not Listed	Not Sensitive	Not Listed	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	Thalassarche cauta	Shy Albatross	Vulnerable	Not Sensitive	Vulnerable	
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	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	Tryngites subruficollis	Buff-breasted Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Xenus cinereus	Terek Sandpiper	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Mammalia	Aepyprymnus rufescens	Rufous Bettong	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Arctocephalus forsteri	New Zealand 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	Arctocephalus pusillus doriferus	Australian Fur-seal	Vulnerable	Not Sensitive	Not Listed	
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	Miniopterus australis	Little Bentwing-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus schreibersii oceanensis	Eastern Bentwing-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Mormopterus norfolkensis	Eastern Freetail-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	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheath-tail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Dermochelys coriacea	Leatherback Turtle	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Acacia bynoeana	Bynoe's Wattle	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia gordonii		Endangered	Not Sensitive	Endangered	
Plantae	Flora	Acacia prominens	Gosford Wattle	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Acacia pubescens	Downy Wattle	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia terminalis subsp. terminalis	Sunshine Wattle	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Amperea xiphoclada var. pedicellata		Presumed Extinct	Not Sensitive	Extinct	
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	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	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-leaved Gum	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Hibbertia puberula		Endangered	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Macadamia integrifolia	Macadamia Nut	Not Listed	Not Sensitive	Vulnerable	
Plantae	Flora	Maundia triglochinoides		Vulnerable	Not Sensitive	Not Listed	
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 subsp. curviflora		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Prostanthera marifolia	Seaforth Mintbush	Critically Endangered	Category 3	Critically Endangered	
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	Wilsonia backhousei	Narrow-leafed Wilsonia	Vulnerable	Not Sensitive	Not Listed	

Data does not include NSW category 1 sensitive species.

NSW BioNet: © State of NSW and Office of Environment and Heritage

Data obtained 22/10/2018

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## **Land Title Records**



# **ADVANCE LEGAL SEARCHERS PTY LTD**

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25<sup>th</sup> October 2018

**ENVIRONMENTAL INVESTIGATION SERVICES**  
PO BOX 976,  
**NORTH RYDE BC NSW 1670**

**Attention: Priya Dass,**

**RE: 215 – 235 O’Riordan Street  
& 1 – 3 Ewan Place  
Mascot  
Reference E31721KR**

<b>Note 1:</b>	<b>Lot 1</b>	<b>DP 9142</b>	(page 1)
<b>Note 2:</b>	<b>Lot 2</b>	<b>DP 9142</b>	(page 3)
<b>Note 3:</b>	<b>Lot 3</b>	<b>DP 9142</b>	(page 5)
<b>Note 4:</b>	<b>Lot 11</b>	<b>DP 9142</b>	(page 6)
<b>Note 5:</b>	<b>Lot 12</b>	<b>DP 9142</b>	(page 8)
<b>Note 6:</b>	<b>Lot CP</b>	<b>SP 48926</b>	(page 10)
<b>Note 7:</b>	<b>Lot B</b>	<b>DP 407002</b>	(page 19)

**Note 1:**

## **Current Search**

Folio Identifier 1/9142 (title attached)

DP 9142 (plan attached)

Dated 24<sup>th</sup> October 2018

Registered Proprietor:

**DENCO PTY LIMITED**

**MONASH DEVELOPMENTS PTY LIMITED**

**TREND LIGHTING CO PTY LIMITED**

**CASTEEL PTY LIMITED**

**Title Tree**  
**Lot 1 DP 9142**

Folio Identifier 1/9142

Certificate of Title Volume 2865 Folio 94

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**Summary of proprietor(s)**  
**Lot 1 DP 9142**

<b>Year</b>	<b>Proprietor(s)</b>
	<b>(Lot 1 DP 9142)</b>
2014 – todate	Denco Pty Limited Monash Developments Pty Limited Trend Lighting Co Pty Limited Casteel Pty Limited
2010 – 2014	Gips and Co Pty Limited
1998 – 2010	Goodearl & Bailey (Investments) Pty Limited <i>(previously Goodearl &amp; Bailey Pty Limited)</i>
1990 – 1998	Goodearl & Bailey Pty Limited
<i>(1990 – todate)</i>	<i>(lease shown on Historical Folio 1/9142)</i>
	<b>(Lot 1 DP 9142 – Area 24 <math>\frac{3}{4}</math> Perches – CTVol 2865 Fol 94)</b>
1973 – 1990	Goodearl & Bailey Pty Limited <i>(previously Goodearls Pty Limited)</i>
1966 – 1973	Goodearls Pty Limited
1965 – 1966	Wilfred Thackray, assembler
1950 – 1965	Wilfred Thackray, assembler Hazel Kathleen Thackray, his wife
1938 – 1950	Florence Elizabeth Smalley, widow
1933 – 1938	Walter Henry Smalley, nurseryman Florence Elizabeth Smalley, his wife
1918 – 1933	John Ferguson Duncan, labourer

\*\*\*\*\*

**Note 2:**

**Current Search**

Folio Identifier 2/9142 (title attached)

DP 9142 (plan attached)

Dated 24<sup>th</sup> October 2018

Registered Proprietor:

**DENCO PTY LIMITED**

**MONASH DEVELOPMENTS PTY LIMITED**

**TREND LIGHTING CO PTY LIMITED**

**CASTEEL PTY LIMITED**

**Title Tree**  
**Lot 2 DP 9142**

Folio Identifier 2/9142

Certificate of Title Volume 8076 Folio 89

Certificate of Title Volume 7805 Folio's 34 & 35

Certificate of Title Volume 3568 Folio 168

Certificate of Title Volume 3263 Folio 188

Certificate of Title Volume 2865 Folio 112

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## Summary of proprietor(s) Lot 2 DP 9142

Year	Proprietor(s)
	<b>(Lot 2 DP 9142)</b>
2014 – todate	Denco Pty Limited Monash Developments Pty Limited Trend Lighting Co Pty Limited Casteel Pty Limited
2010 – 2014	Gips and Co Pty Limited
1998 – 2010	Goodearl & Bailey (Investments) Pty Limited <i>(previously Goodearl &amp; Bailey Pty Limited)</i>
1989 – 1998	Goodearl & Bailey Pty Ltd
<i>(1989 – todate)</i>	<i>(various leases shown on Historical Folio 2/9142)</i>
	<b>(Lot 2 DP 9142 – CTVol 8076 Fol 89)</b>
1985 – 1989	Goodearl & Bailey Pty Ltd
<i>(1986 – 1989)</i>	<i>(lease to Arthur Ligouras and Niki Ligouras of shop 217 O’Riordan Street, Mascot)</i>
1961 – 1985	Charles Raymond Nichols, builder
	<b>(Lot 2 DP 9142 – CTVol 7805 Fol’s 34 &amp; 35)</b>
1959 – 1961	Charles Raymond Nichols, builder Norman Albert John Goddard, builder
	<b>(Lot 2 DP 9142 – Area 21 ½ Perches – CTVol 3568 Fol 168)</b>
1956 – 1959	Henry David Wilson, clerk Marcia Ivette Wilson, his wife
1946 – 1956	Darrell George Fowler, aircraft engineer
1924 – 1946	Trevelyn Lyons Brackenreg, farmer
1924 – 1924	George Phillips, gentleman
	<b>(Lots 2, 4 to 10 DP 9142 – CTVol 3263 Fol 188)</b>
1921 – 1924	John O’Riordan, tallow refiner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 ¾ Perches – CTVol 2865 Fol 112)</b>
1918 – 1921	John O’Riordan, tallow refiner
<i>(1919 – 1920)</i>	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

\*\*\*\*\*

**Note 3:**

**Current Search**

Folio Identifier 3/9142 (title attached)

DP 9142 (plan attached)

Dated 24<sup>th</sup> October 2018

Registered Proprietor:

**DENCO PTY LIMITED**

**MONASH DEVELOPMENTS PTY LIMITED**

**TREND LIGHTING CO PTY LIMITED**

**CASTEEL PTY LIMITED**

**Title Tree**  
**Lot 3 DP 9142**

Folio Identifier 3/9142

Certificate of Title Volume 2865 Folio 103

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**Summary of proprietor(s)**  
**Lot 3 DP 9142**

<b>Year</b>	<b>Proprietor(s)</b>
	<b>(Lot 3 DP 9142)</b>
2014 – todate	Denco Pty Limited Monash Developments Pty Limited Trend Lighting Co Pty Limited Casteel Pty Limited
2010 – 2014	Gips and Co Pty Limited
1998 – 2010	Goodearl & Bailey (Investments) Pty Limited <i>(formerly Goodearls Pty Limited)</i>
1990 – 1998	Goodearls Pty Limited
	<b>(Lot 3 DP 9142 – Area 22 ½ Perches – CTVol 2865 Fol 103)</b>
1958 – 1990	Goodearls Pty Limited
1957 – 1958	R. G. Vale Pty Limited
1926 – 1957	William Edward Dickinson, tram driver
1918 – 1926	Emily Monro, wife of James Croll Monro, builder

\*\*\*\*\*

**Note 4:**

**Current Search**

Folio Identifier 11/9142 (title attached)

DP 9142 (plan attached)

Dated 24<sup>th</sup> October 2018

Registered Proprietor:

**TREND LIGHTING CO. PTY LTD**

**MONASH DEVELOPMENTS PTY LTD**

**DENCO PTY LTD**

**CASTEEL PTY LTD**

**Title Tree**  
**Lot 11 DP 9142**

Folio Identifier 11/9142

Certificate of Title Volume 3130 Folio 42

Certificate of Title Volume 2865 Folio 112

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## Summary of proprietor(s) Lot 11 DP 9142

Year	Proprietor(s)
	<b>(Lot 11 DP 9142)</b>
2011 – todate	Trend Lighting Co. Pty Ltd Monash Developments Pty Ltd Denco Pty Ltd Casteel Pty Ltd
(2011 – todate)	<i>(current lease of Diamond Finish Car Wash Pty Limited of ground floor 1 Ewan Street &amp; 235 O’Riordan Street, Mascot)</i>
(2008 – todate)	<i>(current lease of Interfreight International Pty Limited of Office 1, first floor 1 Ewan Street, Mascot)</i>
1990 – 2011	Paul-Dean Pty Ltd
1990 – 1990	Burencar Pty Limited <i>(formerly known as Budget Rent-A-Car System Pty Ltd)</i>
(1990 – todate)	<i>(various leases and sub leases shown on Historical Folio 11/9142)</i>
	<b>(Lot 11 DP 9142 – Area 26 Perches – CTVol 3130 Fol 42)</b>
1983 – 1990	Budget Rent-A-Car System Pty. Limited
(1989 – 1990)	<i>(lease to Budget Chauffeur Drive Pty. Ltd.)</i>
1970 – 1983	Budget Rent A Car System Pty. Limited
1965 – 1970	The Hermitage Pastoral Co Pty Limited
1959 – 1965	Roy McEnnally, company director Edna McEnnally, his wife
1956 – 1959	Walter Smith, contractor Marjorie Smith, his wife
1932 – 1956	Alfred Mennell, fueler
1920 – 1932	War Service Homes Commissioner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 <sup>3</sup>/<sub>4</sub> Perches – CTVol 2865 Fol 112)</b>
1918 – 1920	John O’Riordan, tallow refiner
(1919 – 1920)	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

\*\*\*\*\*

**Note 5:**

**Current Search**

Folio Identifier 12/9142 (title attached)

DP 9142 (plan attached)

Dated 24<sup>th</sup> October 2018

Registered Proprietor:

**TREND LIGHTING CO. PTY LTD**

**MONASH DEVELOPMENTS PTY LTD**

**DENCO PTY LTD**

**CASTEEL PTY LTD**

**Title Tree**  
**Lot 12 DP 9142**

Folio Identifier 12/9142

Certificate of Title Volume 2976 Folio 43

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## Summary of proprietor(s) Lot 12 DP 9142

Year	Proprietor(s)
	<b>(Lot 12 DP 9142)</b>
2011 – todate	Trend Lighting Co. Pty Ltd Monash Developments Pty Ltd Denco Pty Ltd Casteel Pty Ltd
<i>(2011 – todate)</i>	<i>(current lease of Diamond Finish Car Wash Pty Limited of ground floor 1 Ewan Street &amp; 235 O’Riordan Street, Mascot)</i>
<i>(2008 – todate)</i>	<i>(current lease of Interfreight International Pty Limited of Office 1, first floor 1 Ewan Street, Mascot)</i>
1990 – 2011	Paul-Dean Pty Ltd
1990 – 1990	Burencar Pty Limited <i>(formerly known as Budget Rent-A-Car System Pty Ltd)</i>
<i>(1990 – todate)</i>	<i>(various leases shown on Historical Folio 12/9142)</i>
	<b>(Lot 12 DP 9142 – Area 32 ½ Perches – CTVol 2976 Fol 43)</b>
1978 – 1990	Budget Rent A Car System Pty. Limited
<i>(1989 – 1990)</i>	<i>(lease to Budget Chauffeur Drive Pty. Ltd.)</i>
1978 – 1978	Raymond Charles John Bingle, storeman Mary Agnes Facer, home duties
1958 – 1978	Gertrude Florence Bingle, widow
1919 – 1958	William John Bingle, foreman Gertrude Florence Bingle, his wife

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**Note 6:**

**Current Search**

Folio Identifier CP/SP48926 (title attached)

SP 48926 (plan attached)

Dated 24<sup>th</sup> October 2018

Registered Proprietor:

**THE OWNERS – STRATA PLAN NO. 48926**

*(being Lots 1 to 6 SP 48926)*

**Title Tree**  
**Lot CP SP 48926**

Folio Identifier CP/SP48926

**(a)**

**(b)**

Folio Identifier 4/9142

Folio Identifier 5/9142

Certificate of Title Volume 11530 Folio 52

Certificate of Title Volume 11530 Folio 53

Certificate of Title Volume 3342 Folio 227

Certificate of Title Volume 3263 Folio 188

Certificate of Title Volume 2865 Folio 112

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**(c)**

Folio Identifier 6/9142

Certificate of Title Volume 11530 Folio 54

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Certificate of Title Volume 3342 Folio 227

Certificate of Title Volume 3263 Folio 188

Certificate of Title Volume 2865 Folio 112

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**(d)**

Folio Identifier 6/262142

Certificate of Title Volume 15286 Folio 150

Certificate of Title Volume 11530 Folio 58

**(e)**

Folio Identifier 7/262142

Certificate of Title Volume 15286 Folio 147

Certificate of Title Volume 11530 Folio 57

Certificate of Title Volume 3342 Folio 227

Certificate of Title Volume 3263 Folio 188

Certificate of Title Volume 2865 Folio 112

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**(f)**

Folio Identifier 8/262142

Certificate of Title Volume 15286 Folio 148

Certificate of Title Volume 11530 Folio 56

Certificate of Title Volume 3342 Folio 227

Certificate of Title Volume 3263 Folio 188

Certificate of Title Volume 2865 Folio 112

**(g)**

Folio Identifier 9/262142

Certificate of Title Volume 15286 Folio 149

Certificate of Title Volume 11530 Folio 55

Certificate of Title Volume 3342 Folio 227

Certificate of Title Volume 3263 Folio 188

Certificate of Title Volume 2865 Folio 112

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**Summary of proprietor(s)  
Lot CP SP 48926**

<b>Year</b>	<b>Proprietor(s)</b>
	<b>(Lot CP SP 48926)</b>
1995 – todate	The Owners – Strata Plan No. 48926

**See Notes (a), (b), (c), (d), (e), (f) & (g)**

**Note (a)**

	<b>(Lot 4 DP 9142)</b>
1988 – 1995	Forte Enterprises Pty Limited
<i>(1988 – 1995)</i>	<i>(various leases shown on Historical Folio 4/9142)</i>
	<b>(Lot 4 DP 9142 – CTVol 11530 Fol 52)</b>
1987 – 1988	Forte Enterprises Pty Limited
1983 – 1987	Permanent Trustee Nominees (Canberra) Limited
1974 – 1983	P.T. Limited
1971 – 1974	Marino Products Pty.Ltd.
1971 – 1971	Airport Freight Centre Pty. Limited <i>(previously known as Airport Motel Pty. Limited.)</i>
1971 – 1971	Airport Motel Pty. Limited.
<i>(1971 – 1988)</i>	<i>(various leases shown on CTVol 11530 Fol 52 attached)</i>
	<b>(Lot 4 to 10 DP 9142 – CTVol 3342 Fol 227)</b>
1971 – 1971	Airport Motel Pty. Limited.
1970 – 1971	Edward George Corfield, carrier Reginald William Bridle, motor driver
1948 – 1970	Beatrice Corfield, widow Edward George Corfield, carrier Reginald William Bridle, motor driver
1922 – 1948	Edward George Corfield, carrier
	<b>(Lots 2, 4 to 10 DP 9142 – CTVol 3263 Fol 188)</b>
1921 – 1922	John O’Riordan, tallow refiner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 <sup>3</sup>/<sub>4</sub> Perches – CTVol 2865 Fol 112)</b>
1918 – 1921	John O’Riordan, tallow refiner
<i>(1919 – 1920)</i>	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

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**Note (b)**

	<b>(Lot 5 DP 9142)</b>
1988 – 1995	Forte Enterprises Pty Limited
(1988 – 1995)	<i>(various leases shown on Historical Folio 5/9142)</i>
	<b>(Lot 5 DP 9142 – CTVol 11530 Fol 53)</b>
1987 – 1988	Forte Enterprises Pty Limited
1983 – 1987	Permanent Trustee Nominees (Canberra) Limited
1974 – 1983	P.T. Limited
1971 – 1974	Marino Products Pty.Ltd.
1971 – 1971	Airport Freight Centre Pty. Limited <i>(previously known as Airport Motel Pty. Limited.)</i>
1971 – 1971	Airport Motel Pty. Limited.
(1971 – 1988)	<i>(various leases shown on CTVol 11530 Fol 53)</i>
	<b>(Lot 4 to 10 DP 9142 – CTVol 3342 Fol 227)</b>
1971 – 1971	Airport Motel Pty. Limited.
1970 – 1971	Edward George Corfield, carrier Reginald William Bridle, motor driver
1948 – 1970	Beatrice Corfield, widow Edward George Corfield, carrier Reginald William Bridle, motor driver
1922 – 1948	Edward George Corfield, carrier
	<b>(Lots 2, 4 to 10 DP 9142 – CTVol 3263 Fol 188)</b>
1921 – 1922	John O’Riordan, tallow refiner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 <math>\frac{3}{4}</math> Perches – CTVol 2865 Fol 112)</b>
1918 – 1921	John O’Riordan, tallow refiner
(1919 – 1920)	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

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**Note (c)**

	<b>(Lot 6 DP 9142)</b>
1988 – 1995	Forte Enterprises Pty Limited
(1988 – 1995)	<i>(various leases shown on Historical Folio 6/9142)</i>
	<b>(Lot 6 DP 9142 – CTVol 11530 Fol 54)</b>
1987 – 1988	Forte Enterprises Pty Limited
1983 – 1987	Permanent Trustee Nominees (Canberra) Limited
1974 – 1983	P.T. Limited
1971 – 1974	Marino Products Pty.Ltd.
1971 – 1971	Airport Freight Centre Pty. Limited <i>(previously known as Airport Motel Pty. Limited.)</i>
1971 – 1971	Airport Motel Pty. Limited.
(1971 – 1988)	<i>(various leases shown on CTVol 11530 Fol 54)</i>
	<b>(Lot 4 to 10 DP 9142 – CTVol 3342 Fol 227)</b>
1971 – 1971	Airport Motel Pty. Limited.
1970 – 1971	Edward George Corfield, carrier Reginald William Bridle, motor driver
1948 – 1970	Beatrice Corfield, widow Edward George Corfield, carrier Reginald William Bridle, motor driver
1922 – 1948	Edward George Corfield, carrier
	<b>(Lots 2, 4 to 10 DP 9142 – CTVol 3263 Fol 188)</b>
1921 – 1922	John O’Riordan, tallow refiner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 <math>\frac{3}{4}</math> Perches – CTVol 2865 Fol 112)</b>
1918 – 1921	John O’Riordan, tallow refiner
(1919 – 1920)	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

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**Note (d)**

	<b>(Lot 6 DP 262142)</b>
1988 – 1995	Forte Enterprises Pty Limited
<i>(1988 – 1995)</i>	<i>(various leases shown on Historical Folio 6/262142)</i>
	<b>(Lot 6 DP 262142 – CTVol 15286 Fol 150)</b>
1987 – 1988	Forte Enterprises Pty Limited
1984 – 1987	Permanent Trustee Nominees (Canberra) Limited
<i>(1984 – 1988)</i>	<i>(various leases shown on CTVol 15286 Fol 150)</i>
	<b>(Lot 10 DP 9142 – CTVol 11530 Fol 58)</b>
1983 – 1984	Permanent Trustee Nominees (Canberra) Limited
1974 – 1983	P.T. Limited
1971 – 1974	Marino Products Pty.Ltd.
1971 – 1971	Airport Freight Centre Pty. Limited <i>(previously known as Airport Motel Pty. Limited.)</i>
1971 – 1971	Airport Motel Pty. Limited.
<i>(1971 – 1984)</i>	<i>(various leases shown on CTVol 11530 Fol 58)</i>
	<b>(Lot 4 to 10 DP 9142 – CTVol 3342 Fol 227)</b>
1971 – 1971	Airport Motel Pty. Limited.
1970 – 1971	Edward George Corfield, carrier Reginald William Bridle, motor driver
1948 – 1970	Beatrice Corfield, widow Edward George Corfield, carrier Reginald William Bridle, motor driver
1922 – 1948	Edward George Corfield, carrier
	<b>(Lots 2, 4 to 10 DP 9142 – CTVol 3263 Fol 188)</b>
1921 – 1922	John O’Riordan, tallow refiner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 ¾ Perches – CTVol 2865 Fol 112)</b>
1918 – 1921	John O’Riordan, tallow refiner
<i>(1919 – 1920)</i>	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

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**Note (e)**

	<b>(Lot 7 DP 262142)</b>
1988 – 1995	Forte Enterprises Pty Limited
	<b>(Lot 7 DP 262142 – CTVol 15286 Fol 147)</b>
1987 – 1988	Forte Enterprises Pty Limited
1984 – 1987	Permanent Trustee Nominees (Canberra) Limited
<i>(1984 – 1988)</i>	<i>(various leases shown on CTVol 15286 Fol 147)</i>
	<b>(Lot 9 DP 9142 – CTVol 11530 Fol 57)</b>
1983 – 1984	Permanent Trustee Nominees (Canberra) Limited
1974 – 1983	P.T. Limited
1971 – 1974	Marino Products Pty.Ltd.
1971 – 1971	Airport Freight Centre Pty. Limited <i>(previously known as Airport Motel Pty. Limited.)</i>
1971 – 1971	Airport Motel Pty. Limited.
<i>(1971 – 1984)</i>	<i>(various leases shown on CTVol 11530 Fol 57)</i>
	<b>(Lot 4 to 10 DP 9142 – CTVol 3342 Fol 227)</b>
1971 – 1971	Airport Motel Pty. Limited.
1970 – 1971	Edward George Corfield, carrier Reginald William Bridle, motor driver
1948 – 1970	Beatrice Corfield, widow Edward George Corfield, carrier Reginald William Bridle, motor driver
1922 – 1948	Edward George Corfield, carrier
	<b>(Lots 2, 4 to 10 DP 9142 – CTVol 3263 Fol 188)</b>
1921 – 1922	John O’Riordan, tallow refiner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 <sup>3</sup>/<sub>4</sub> Perches – CTVol 2865 Fol 112)</b>
1918 – 1921	John O’Riordan, tallow refiner
<i>(1919 – 1920)</i>	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

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**Note (f)**

	<b>(Lot 8 DP 262142)</b>
1988 – 1995	Forte Enterprises Pty Limited
<i>(1988 – 1995)</i>	<i>(various leases shown on Historical Folio 8/262142)</i>
	<b>(Lot 8 DP 262142 – CTVol 15286 Fol 148)</b>
1987 – 1988	Forte Enterprises Pty Limited
1984 – 1987	Permanent Trustee Nominees (Canberra) Limited
<i>(1984 – 1988)</i>	<i>(various leases shown on CTVol 15286 Fol 148)</i>
	<b>(Lot 8 DP 9142 – CTVol 11530 Fol 56)</b>
1983 – 1984	Permanent Trustee Nominees (Canberra) Limited
1974 – 1983	P.T. Limited
1971 – 1974	Marino Products Pty.Ltd.
1971 – 1971	Airport Freight Centre Pty. Limited <i>(previously known as Airport Motel Pty. Limited.)</i>
1971 – 1971	Airport Motel Pty. Limited.
<i>(1971 – 1984)</i>	<i>(various leases shown on CTVol 11530 Fol 56)</i>
	<b>(Lot 4 to 10 DP 9142 – CTVol 3342 Fol 227)</b>
1971 – 1971	Airport Motel Pty. Limited.
1970 – 1971	Edward George Corfield, carrier Reginald William Bridle, motor driver
1948 – 1970	Beatrice Corfield, widow Edward George Corfield, carrier Reginald William Bridle, motor driver
1922 – 1948	Edward George Corfield, carrier
	<b>(Lots 2, 4 to 10 DP 9142 – CTVol 3263 Fol 188)</b>
1921 – 1922	John O’Riordan, tallow refiner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 <sup>3</sup>/<sub>4</sub> Perches – CTVol 2865 Fol 112)</b>
1918 – 1921	John O’Riordan, tallow refiner
<i>(1919 – 1920)</i>	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

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**Note (g)**

	<b>(Lot 9 DP 262142)</b>
1988 – 1995	Forte Enterprises Pty Limited
<i>(1988 – 1995)</i>	<i>(various leases shown on Historical Folio 9/262142)</i>
	<b>(Lot 9 DP 262142 – CTVol 15286 Fol 149)</b>
1987 – 1988	Forte Enterprises Pty Limited
1984 – 1987	Permanent Trustee Nominees (Canberra) Limited
<i>(1984 – 1988)</i>	<i>(various leases shown on CTVol 15286 Fol 149)</i>
	<b>(Lot 7 DP 9142 – CTVol 11530 Fol 55)</b>
1983 – 1984	Permanent Trustee Nominees (Canberra) Limited
1974 – 1983	P.T. Limited
1971 – 1974	Marino Products Pty.Ltd.
1971 – 1971	Airport Freight Centre Pty. Limited <i>(previously known as Airport Motel Pty. Limited.)</i>
1971 – 1971	Airport Motel Pty. Limited.
<i>(1971 – 1984)</i>	<i>(various leases shown on CTVol 11530 Fol 55)</i>
	<b>(Lot 4 to 10 DP 9142 – CTVol 3342 Fol 227)</b>
1971 – 1971	Airport Motel Pty. Limited.
1970 – 1971	Edward George Corfield, carrier Reginald William Bridle, motor driver
1948 – 1970	Beatrice Corfield, widow Edward George Corfield, carrier Reginald William Bridle, motor driver
1922 – 1948	Edward George Corfield, carrier
	<b>(Lots 2, 4 to 10 DP 9142 – CTVol 3263 Fol 188)</b>
1921 – 1922	John O’Riordan, tallow refiner
	<b>(Lots 2, 4 to 11 DP 9142 – Area 1 Acre 1 Rood 4 <sup>3</sup>/<sub>4</sub> Perches – CTVol 2865 Fol 112)</b>
1918 – 1921	John O’Riordan, tallow refiner
<i>(1919 – 1920)</i>	<i>(lease to William Harvey, gardener of lots 4 to 10 DP 9142)</i>

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**Note 7:**

**Current Search**

Folio Identifier B/407002 (title attached)

DP 407002 (plan attached)

Dated 24<sup>th</sup> October 2018

Registered Proprietor:

**DENCO PTY LIMITED**

**MONASH DEVELOPMENTS PTY LIMITED**

**TREND LIGHTING CO PTY LIMITED**

**CASTEEL PTY LIMITED**

**Title Tree**  
**Lot B DP 407002**

Folio Identifier B/407002

Certificate of Title Volume 8300 Folio 223

Certificate of Title Volume 3516 Folio 82

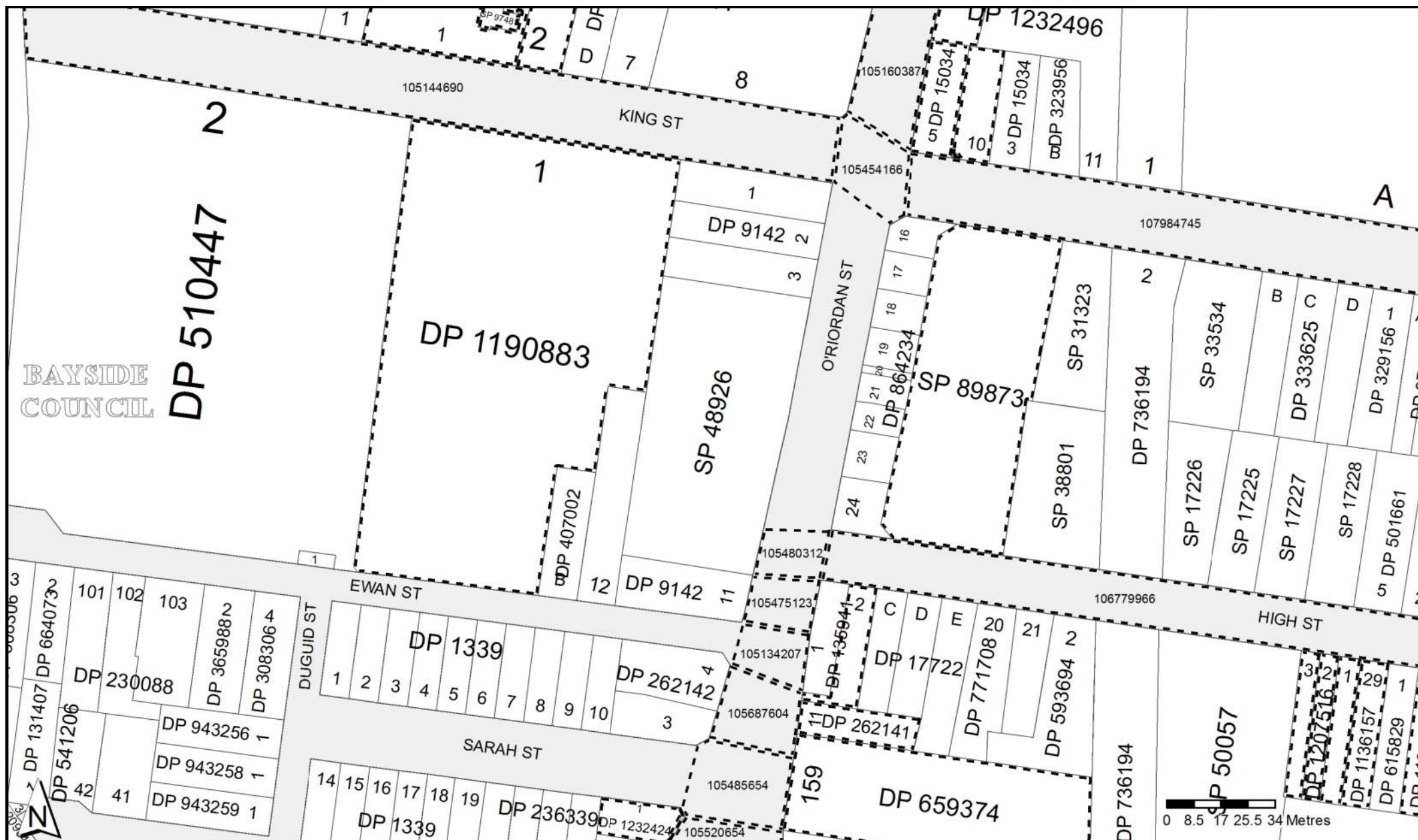
Certificate of Title Volume 490 Folio 93
































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**Summary of proprietor(s)  
Lot B DP 407002**






<b>Year</b>	<b>Proprietor(s)</b>
	<b>(Lot B DP 407002)</b>
2016 – todate	Denco Pty Limited Monash Developments Pty Limited Trend Lighting Co Pty Limited Casteel Pty Limited
1993 – 2016	Donald Noel James Neville Roy Head
1992 – 1993	Arthur Frederick Little
1989 – 1992	Delui Holdings Pty Limited
	<b>(Lot B DP 407002 – Area 19 ½ Perches – CTVol 8300 Fol 223)</b>
1988 – 1989	Delui Holdings Pty Limited
1976 – 1988	Cornish Nominees Pty. Limited
1971 – 1976	Geo Cornish (Outports) Pty Limited
1970 – 1971	John Shadwell Game, lorry driver
1961 – 1970	Ida Victoria Game, widow
	<b>(Lot 13 DP 9142 – Area 32 ¾ Perches – CTVol 3516 Fol 82)</b>
1954 – 1961	Ida Victoria Game, widow
1923 – 1954	Herbert John Game, greaser Ida Victoria Game, his wife
	<b>(Section 17 Town of Botany – Area 4 Acres 2 Roods 31 ½ Perches – CTVol 490 Fol 93)</b>
1918 – 1923	Elizabeth Mary Clark, married woman
1880 – 1918	John Hier, tanner and carrier

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	Status	Surv/Comp	Purpose
DP15034 Lot(s): 5			
 DP1015636	REGISTERED	SURVEY	EASEMENT
DP135941 Lot(s): 2			
 DP1232424	REGISTERED	SURVEY	ROADS ACT, 1993
DP262141 Lot(s): 11			
 DP1232424	REGISTERED	SURVEY	ROADS ACT, 1993
DP659374 Lot(s): 159			
 DP1232424	REGISTERED	SURVEY	ROADS ACT, 1993
DP1136138 Lot(s): 28			
 CA137878 - LOTS 27 AND 28 DP1136138			
DP1136157 Lot(s): 29			
 CA137879 - LOT 29 DP11361157			
DP1190883 Lot(s): 1			
 DP9142	HISTORICAL	SURVEY	UNRESEARCHED
 DP310256	HISTORICAL	COMPILATION	UNRESEARCHED
 DP341081	HISTORICAL	COMPILATION	UNRESEARCHED
 DP348169	HISTORICAL	SURVEY	UNRESEARCHED
 DP356032	HISTORICAL	COMPILATION	UNRESEARCHED
 DP370269	HISTORICAL	COMPILATION	UNRESEARCHED
 DP387285	HISTORICAL	SURVEY	UNRESEARCHED
 DP396672	HISTORICAL	COMPILATION	UNRESEARCHED
DP1207516 Lot(s): 1, 2			
 DP1009467	HISTORICAL	COMPILATION	LIMITED FOLIO CREATION
Lot(s): 2, 3			
 DP196247	HISTORICAL	COMPILATION	DEPARTMENTAL
DP1232424 Lot(s): 1, 7			
 DP262142	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
DP1232496 Lot(s): 10, 16			
 DP15034	HISTORICAL	SURVEY	UNRESEARCHED
Lot(s): 17			
 LOT 17 DP1232496 IS REQUIRED FOR ROAD PURPOSES - SEE AM785926			
DP1239932 Lot(s): 1, 2			
 DP421206	HISTORICAL	SURVEY	UNRESEARCHED
 DP528711	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1229054	HISTORICAL	SURVEY	CONSOLIDATION
SP89873			
 DP317539	HISTORICAL	COMPILATION	UNRESEARCHED
 DP356472	HISTORICAL	COMPILATION	UNRESEARCHED
 DP864234	HISTORICAL	SURVEY	ROADS ACT, 1993
 DP1194747	HISTORICAL	SURVEY	CONSOLIDATION
SP97485			
 DP421206	HISTORICAL	SURVEY	UNRESEARCHED
 DP528711	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1229054	HISTORICAL	SURVEY	CONSOLIDATION
 DP1239932	HISTORICAL	SURVEY	BUILDING STRATUM SUBDIVISION
Road			
Polygon Id(s): 106779966			
 EX-SUR 77/40 DP983961			

**Caution:** This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL** **ACTIVITY PRIOR TO SEPTEMBER 2002** you must refer to the RGs Charting and Reference Maps.

Status	Surv/Comp	Purpose
Polygon Id(s): 105144690, 105160387, 105454166		
 EX-SUR 36/04 DP983203		
 EX-SUR 60/39 DP445930		
 EX-SUR 91/26 DP123465		
Polygon Id(s): 105144690, 105160387, 105454166, 107984745		
 EX-SUR 86/47 DP117137		
Polygon Id(s): 105134207, 105475123, 105480312, 105485654, 105520654, 105687604		
 EX-SUR 68/09 DP939899		

**Caution:** This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL** **ACTIVITY PRIOR TO SEPTEMBER 2002** you must refer to the RGs Charting and Reference Maps.

Plan	Surv/Comp	Purpose
DP1339	COMPILATION	UNRESEARCHED
DP9142	SURVEY	UNRESEARCHED
DP15034	SURVEY	UNRESEARCHED
DP17722	SURVEY	UNRESEARCHED
DP23141	SURVEY	UNRESEARCHED
DP131407	COMPILATION	DEPARTMENTAL
DP135941	COMPILATION	DEPARTMENTAL
DP209847	SURVEY	SUBDIVISION
DP230088	SURVEY	SUBDIVISION
DP234489	SURVEY	RESUMPTION OR ACQUISITION
DP236339	SURVEY	RESUMPTION OR ACQUISITION
DP262141	SURVEY	RESUMPTION OR ACQUISITION
DP262142	SURVEY	RESUMPTION OR ACQUISITION
DP308306	COMPILATION	UNRESEARCHED
DP309953	COMPILATION	UNRESEARCHED
DP323956	COMPILATION	UNRESEARCHED
DP324163	COMPILATION	UNRESEARCHED
DP329156	COMPILATION	UNRESEARCHED
DP333625	COMPILATION	UNRESEARCHED
DP365988	COMPILATION	UNRESEARCHED
DP374033	SURVEY	UNRESEARCHED
DP396401	SURVEY	UNRESEARCHED
DP407002	COMPILATION	UNRESEARCHED
DP421206	SURVEY	UNRESEARCHED
DP501661	SURVEY	SUBDIVISION
DP510447	COMPILATION	SUBDIVISION
DP541206	SURVEY	SUBDIVISION
DP593694	SURVEY	SUBDIVISION
DP615829	SURVEY	OLD SYSTEM CONVERSION
DP632359	SURVEY	OLD SYSTEM CONVERSION
DP659374	COMPILATION	DEPARTMENTAL
DP664073	COMPILATION	DEPARTMENTAL
DP736194	SURVEY	RESUMPTION OR ACQUISITION
DP747022	SURVEY	OLD SYSTEM CONVERSION
DP771708	SURVEY	SUBDIVISION
DP864234	SURVEY	ROADS ACT, 1993
DP943256	COMPILATION	UNRESEARCHED
DP943258	COMPILATION	UNRESEARCHED
DP943259	COMPILATION	UNRESEARCHED
DP986791	COMPILATION	LIMITED FOLIO CREATION
DP1136138	COMPILATION	LIMITED FOLIO CREATION
DP1136157	COMPILATION	LIMITED FOLIO CREATION
DP1190883	SURVEY	CONSOLIDATION
DP1207516	SURVEY	SUBDIVISION
DP1207516	UNRESEARCHED	SUBDIVISION
DP1232424	SURVEY	ROADS ACT, 1993
DP1232496	SURVEY	ROADS ACT, 1993
SP17225	COMPILATION	STRATA PLAN
SP17226	COMPILATION	STRATA PLAN
SP17227	COMPILATION	STRATA PLAN
SP17228	COMPILATION	STRATA PLAN
SP31323	COMPILATION	STRATA PLAN
SP33534	COMPILATION	STRATA PLAN
SP38801	COMPILATION	STRATA PLAN
SP48926	COMPILATION	STRATA PLAN
SP50057	COMPILATION	STRATA PLAN
SP89873	COMPILATION	STRATA PLAN
SP97485	COMPILATION	PART STRATA

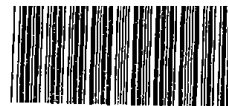
**Caution:** This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL**

**ACTIVITY PRIOR TO SEPTEMBER 2002** you must refer to the RGs Charting and Reference Maps.



NEW SOUTH WALES

**STATE OF TITLE**  
PROPERTY ACT, 1900.



1153052

Appln. No. 4627

Prior Title Vol.3342 Fol.227

Vol. **11530** Fol. **52**

Edition issued 23-2-1971

M140527



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.

*Jawatson*  
Registrar General.

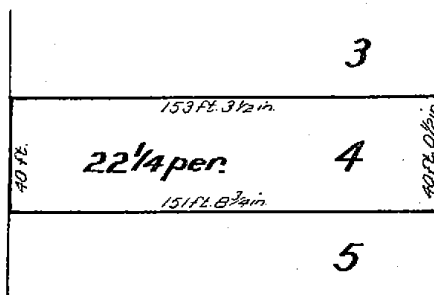


**CANCELLED**

PLAN SHOWING LOCATION OF LAND

SEE AUTO FOLIO

15



O'Riordan St.

M140527

Scale: 50 feet to one inch

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 4 in Deposited Plan 9142 in the Municipality of Botany Parish of Botany and County of Cumberland being part of Portion 135 granted to Thomas Torkington on 16-12-1836.

FIRST SCHEDULE

~~AIRPORT HOTEL LIMITED.~~

SECOND SCHEDULE

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

*Jawatson*  
Registrar General

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

**FIRST SCHEDULE (continued)**

REGISTERED PROPRIETOR	INSTRUMENT			ENTERED	Signature of Registrar-General
	NATURE	NUMBER	DATE		
The name of the Proprietor is now Airport Freight Centre Pty. Limited	Change of Name	M462514		18.10.1971	<i>Lawton</i>
Marino Products Pty. Ltd.	Transfer	M517333	15.11.1971	8.12.1971	<i>Lawton</i>
P.T. Limited	Transfer	N572916	7.6.1972	28.8.1974	<i>Lawton</i>
Permanent Trustee Nominees (Canberra) Limited by Application T811834. Registered 21.11.1983.					<i>Lawton</i>
Forté Enterprises Pty Limited by Transfer W482977 Registered 22.4.1987					<i>Lawton</i>

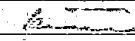





**SECOND SCHEDULE (continued)**

NATURE	INSTRUMENT NUMBER	DATE	PARTICULARS	ENTERED	Signature of Registrar-General	CANCELLATION
Caveat	M456824	7.10.1971		13.10.1971	<i>Janetson</i>	Withdrawn M462513 <i>Janetson</i>
Mortgage	M462514	9.9.1971	to United Dominions Corporation (Australia) Limited	16.10.1971	<i>Janetson</i>	DISCHARGED M766664 <i>Janetson</i>
Caveat	M753454	30.5.1972		8-6-1972	<i>Janetson</i>	Withdrawn N572915 <i>Janetson</i>
Lease	N254846	5-6-1972	of premises hatched black in the plan annexed to Lease No. N254846 to Brambles Holdings Limited	28-8-1974	<i>Janetson</i>	Expired 8-9-1978 <i>Janetson</i>
Mortgage	N572917	21.9.1973	to Commonwealth Trading Bank of Australia	28-8-1974	<i>Janetson</i>	Discharged 482973 W482973 <i>Janetson</i>
Lease	Q841546		of premises being Bay 1 in the building known as 221-233 O'Riordan Street, Mascot, together with rights, to Ocean Air Pty. Limited. Date of Expiry 27-1-1983	8-9-1978		Cancelled W482974 <i>Janetson</i>
Lease	Q962985		of premises being Bay 6 on the Ground floor of warehouse-amenities space on space / the Mezzanine floor of amenities space and Office space on the 1st floor in the building known as 221-233 O'Riordan Street, Mascot, Together with and reserving rights, Together with Option of Renewal, to Grace Bros. Pty. Limited. Expires 26.9.1981.	21.11.1978	<i>Janetson</i>	Expired 22.1.1986 <i>Janetson</i>
Lease	R216790		of premises being Bays 2 and 3 in the building known as 221-233 O'Riordan Street, Mascot, together with rights, together with Option of Renewal, to Circle Airfreight (Aust.) Pty. Limited. Expires 16.6.1982. 10-11-1981	6-4-1979	<i>Janetson</i>	Cancelled W482974 <i>Janetson</i>

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

2.5.20.10.83

SECOND SCHEDULE (continued)

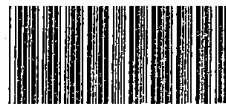
NATURE	INSTRUMENT		PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
	NUMBER	DATE						
L	T506965		Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-223 O'Riordan Street, Mascot, together with rights. Expires 18-3-1987. Registered 10-6-1983.					
L	T506965		Lease. V277603 Transfer of Lease to Bramble Holdings Limited. Registered 16-8-1984.					
L	W122613		Lease to Emery Airfreight Corporation of Bay 6 at 221-223 O'Riordan Street, Mascot with an Option of Renewal for 2 years together with and reserving rights. Expires: 30.4.1987. Registered 22.1.1986.					
L	W482973		Lease to Samrey Pty Limited, of premises being all those premises known as Bay 2 situate in the Building known as 221-223 O'Riordan Street, Mascot together with rights. Expires 28-2-1983 with option of renewal for 3 years. Registered 22-4-1987.					
L	W482976		Lease to Interport Cargo Services Pty Limited, of premises being all those premises known as Bay 3 situate in the Building known as 221-223 O'Riordan Street, Mascot together with rights. Expires 29-2-1988 with option of renewal for 3 years. Registered 22-4-1987.					
M	W482978		Mortgage to Perpetual Trustee Company Limited Registered 22-4-1987					
			<b>CANCELLED</b>					
			<b>SEE AUTO FOLIO</b>					

T-1952651  
 (Bay 1) REJ  
 T506965  
 6cc  
 T811834  
 V277603 TL  
 (T506965)  
 CT 2 OCT 1987  
 CT 29-5-85  
 V277603 TL  
 REJECTED 11/11/82  
 W122613 L  
 W482973 Ph  
 -4 Reg  
 -5 L  
 -6 L  
 -7 T  
 -8 M

[illegible]

NEW SOUTH WALES

**STATE OF NEW SOUTH WALES**  
**REGISTRY OF LAND**  
**REGISTRATION ACT, 1900.**



11530054

Appln. No.4627

Prior Title Vol.3342 Fol.227

Vol. **11530** Fol. **54**

Edition issued 23-2-1971

M140527



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.

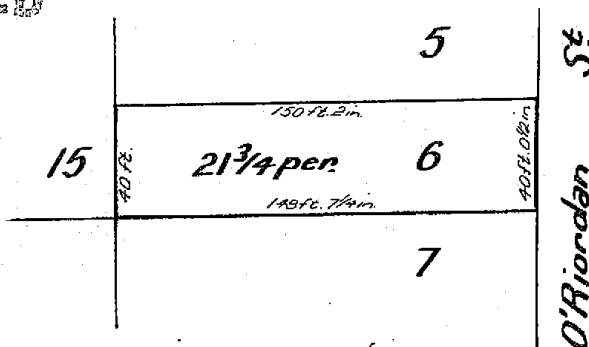
*Jawatson*  
Registrar General.



PLAN SHOWING LOCATION OF LAND

**CANCELLED**

SEE AUTO FOLIO



Scale: 50 feet to one inch

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 6 in Deposited Plan 9142 in the Municipality of Botany Parish of Botany and County of Cumberland being part of Portion 135 granted to Thomas Torkington on 16-12-1836.

FIRST SCHEDULE

~~AIRPORT MOTEL PARK LIMITED.~~

SECOND SCHEDULE

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

*Jawatson*  
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





SECOND SCHEDULE (continued)

NATURE	INSTRUMENT		PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION			
	NUMBER	DATE							
L	T506965	P	Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-223 O'Riordan Street, Mascot, together with rights Expires 18-3-1987. Registered 10-6-1983.						
U(C)	T506965	P	Lease. V277603 Transfer of Lease to Bramble Holdings Limited. Registered 16-8-1984.						
L	W122613	P	Lease to Emery Airfreight Corporation of Bay 6 at 221-223 O'Riordan Street, Mascot with an Option of Renewal for 2 years together with and reserving rights. Expires: 30.4.1987. Registered 22.1.1986.						
L	W482975	P	Lease to Samev Pty. Limited of premises being all those premises known as Bay 2 situate in the Building known as 221-223 O'Riordan Street, Mascot together with rights Expires 28.2.1989 with option of renewal for 3 years. Registered 22.4.1987						
L	W482976	P	Lease to Interport Cargo Services Pty. Limited of premises being all those premises known as Bay 3 situate in the Building known as 221-223 O'Riordan Street, Mascot together with rights Expires 29.2.1988 with option of renewal for 3 years. Registered 22.4.1987.						
M	W482978	P	Mortgage to Perpetual Trustee Company Limited. Registered 22.4.1987						
CANCELLED									
SEE AUTO FOLIO									

T506965  
T811846  
U277603  
(T506965)  
CT  
29 OCT 1984  
CT 29-5-87  
V277603  
REJECTED 11/1  
W122613  
W482973  
-484  
-52  
-62  
-77  
-87

**SECOND SCHEDULE (continued)**[illegible]

Fol.

**Vol.**

(Page of pages)

NEW SOUTH WALES

**CERTIFICATE OF TITLE**  
LAND PROPERTY ACT, 1900.



11530055

Appln. No.4627

Prior Title Vol.3342 Fol.227

Vol. **11530** Fol. **55**

Edition issued 23-2-1971

M140527

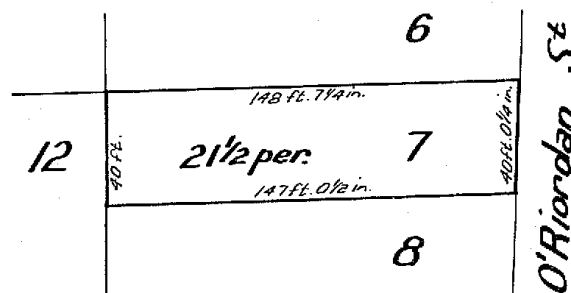


I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

*Jawatson*  
Registrar General.



PLAN SHOWING LOCATION OF LAND



Scale : 50 feet to one inch

**CANCELLED**

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 7 in Deposited Plan 9142 in the Municipality of Botany Parish of Botany and County of Cumberland being part of Portion 135 granted to Thomas Torkington on 16-12-1836.

FIRST SCHEDULE

~~AIRPORT MOTEL PT. LIMITED~~



SECOND SCHEDULE

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

*Jawatson*  
Registrar General



# SECOND SCHEDULE (continued)

NATURE	INSTRUMENT NUMBER	DATE	PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION
T506965	Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-223 O'Riordan Street, Mascot, together with rights. Expires 18-3-1987. Registered 10-6-1983.				<i>[Signature]</i>	
T506965	Lease. V277603 Transfer of Lease to Bramble Holdings Limited. Registered 16-8-1984.				<i>[Signature]</i>	
V332875	Transfer The part of the land being Lot 19 in D.P.262142 is required for road purposes. Registered 6-11-1984.				<i>[Signature]</i>	
N572917	Mortgage V332874 Discharged as regards part being Lot 19 in D.P.262142. Registered 6-11-1984.				<i>[Signature]</i>	
			<p>This Deed is Cancelled and Certificate of Title issued Vol. 15286 Fol. 149 vide V332875</p> <p><i>[Signature]</i> REGISTRAR GENERAL</p> 			
			<p>The residue of land in this land comprises Lot 19 in DP 262142 being road</p> <p><i>[Signature]</i> REGISTRAR GENERAL</p> 			

T506965  
T811834  
V277603  
(T506965)  
CT 23  
V332874  
15T  
(Lot 19 DP 262142)

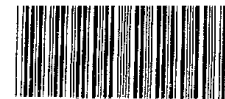
**SECOND SCHEDULE (continued)**[illegible]

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



NEW SOUTH WALES

**CERTIFICATE OF TITLE**  
LAND PROPERTY ACT, 1900.



11530056

Vol. **11530** Fol. **56**

Appln. No.4627

Prior Title Vol.3342 Fol.227

Edition issued 23-2-1971  
M140527

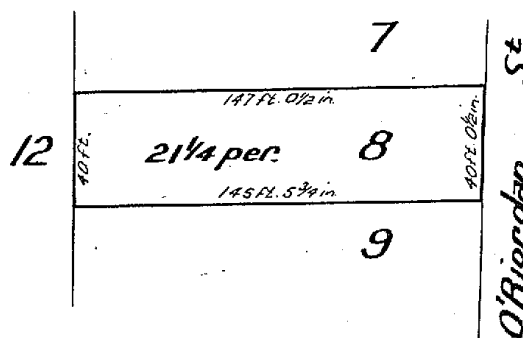


I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

*Jawatson*  
Registrar General.



PLAN SHOWING LOCATION OF LAND



M140527

*for*

Scale : 50 feet to one inch

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 8 in Deposited Plan 9142 in the Municipality of Botany Parish of Botany and County of Cumberland being part of Portion 135 granted to Thomas Torkington on 16-12-1836.

FIRST SCHEDULE

~~AIRPORT MOTEL DEVELOPMENTS LIMITED.~~

**CANCELLED**

SECOND SCHEDULE

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

*Jawatson*  
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.

REGISTERED PROPRIETOR





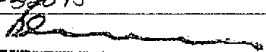

[illegible]

INSTRUMENT			PARTICULARS	ENTERED	Signature of Registrar-General	CANCELLATION
NATURE	NUMBER	DATE				

INSTRUMENT			PARTICULARS	ENTERED	Signature of Registrar-General	CANCELLATION		
NATURE	NUMBER	DATE						
Caveat	M456824	7-10-1971		13-10-1971	<i>Justation</i>	Withdrawn	M462513	<i>Justation</i>
Mortgage	M462514	9-9-1971	to United Dominions Corporation ( Australia ) Limited	18-10-1971	<i>Justation</i>	Discharged	M766664	<i>Justation</i>
Caveat	M753454	30-5-1972		8-6-1972	<i>Justation</i>	Withdrawn	N572915	<i>Justation</i>
Lease	N254844	4-5-1972	of premises hatched black in the plan annexed to Lease No. N254844 to Circle Air Freight (Aust.) Pty. Ltd.	28-8-1974	<i>Justation</i>	Expired	8-9-1978	<i>Justation</i>
Mortgage	N572917	21-9-1973	to Commonwealth Trading Bank of Australia	28-8-1974	<i>Justation</i>			
Lease	Q841546	-----	of premises being Bay 1 in the building known as 221-233 O'Riordan Street, Mascot, together with rights, to Ocean Air Pty. Limited. Date of Expiry 27-1-1983	8-9-1978	<i>Justation</i>			
Lease	Q962985	-----	of premises being Bay 6 of warehouse space on the Ground floor, amenities space on the Mezzanine floor and Office space on the 1st floor in the building known as 221-233 O'Riordan Street, Mascot, Together with and reserving rights, Together with Option of Renewal, to Grace Bros. Pty. Limited. Expires 26-9-1981.	21-11-1978.	<i>Justation</i>			
Lease	R216790	-----	of premises being Bays 2 and 3 in the building known as 221-233 O'Riordan Street, Mascot, together with rights, together with Option of Renewal, to Circle Airfreight (Aust.) Pty. Limited. Expires 26-6-1982. 16-4-1982	4-6-1979	<i>Justation</i>			

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

**SECOND SCHEDULE (continued)**

INSTRUMENT			PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
NATURE	NUMBER	DATE						
T506965	Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-223 O'Riordan Street, Mascot, together with rights. Expires 18-3-1987. Registered 10-6-1983.							
T506965	Lease. V277603 Transfer of Lease to Bramble Holdings Limited. Registered 16-8-1984.							
V332875	Transfer The part of the land being Lot 18 in D.P.262142 is required for road purposes. Registered 6-11-1984.							
N572917	Mortgage V332874 Discharged as regards part being Lot 18 in D.P.262142. Registered 6-11-1984.							
			<div style="border: 1px solid black; padding: 5px; margin: 10px;"> <p>This Deed is Cancelled and Certificate of Title issued  Vol. 15286 Fol. 148  vide V332875    REGISTRAR GENERAL</p> </div>					
			<div style="border: 1px solid black; padding: 5px; margin: 10px;"> <p>The residue of land in this folio comprises  Lot 18 in DP 262142 being road    REGISTRAR GENERAL</p> </div>					

**SECOND SCHEDULE (continued)**[illegible]

NEW SOUTH WALES

**CERTIFICATE OF TITLE**  
LAND PROPERTY ACT, 1900.



11530057

Appln. No.4627

Prior Title Vol.3342 Fol.227

Vol. **11530** Fol. **57**

Edition issued 23-2-1971

M140527

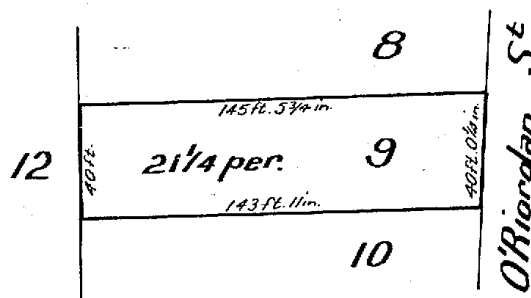


I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

*Jawatson*  
Registrar General.



PLAN SHOWING LOCATION OF LAND



Scale : 50 feet to one inch

M140527 *Don.*

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 9 in Deposited Plan 9142 in the Municipality of Botany Parish of Botany and County of Cumberland being part of Portion 135 granted to Thomas Torkington on 16-12-1836.

FIRST SCHEDULE

~~AIRPORT MOTEL DEVELOPMENTS LIMITED.~~

SECOND SCHEDULE

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

*Jawatson*  
Registrar General

**CANCELLED**

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





SECOND SCHEDULE (continued)



INSTRUMENT			PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
NATURE	NUMBER	DATE						
T506965	Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-223 O'Riordan Street, Mascot, together with rights. Expires 18-3-1987. Registered 10-6-1983.				<i>[Signature]</i>			
T506965	Lease. V277603 Transfer of Lease to Bramble Holdings Limited. Registered 16-8-1984.				<i>[Signature]</i>			
V332875	Transfer The part of the land being Lot 17 in D.P.262142 is required for road purposes. Registered 6-11-1984.				<i>[Signature]</i>			
N572917	Mortgage V332874 Discharged as regards part being Lot 17 in D.P.262142. Registered 6-11-1984.				<i>[Signature]</i>			
			<p>This Deed is Cancelled and Certificate of Title issued            Vol. 15286 Fol. 147            vide V332875  <i>[Signature]</i>            REGISTRAR GENERAL</p> 					
			<p>The residue of land in this title comprises            Lot 17 in DP262142 being road.  <i>[Signature]</i>            REGISTRAR GENERAL</p> 					

Fig 2000 L  
 (Bogt) REJ  
 20-12  
 T506965-2  
 6CC  
 Ctr 2010-23  
 T811 BUL R  
 V277603-2  
 (T506965)  
 CT23. 8  
 V332874-2  
 75  
 (Lot 17 DP262142)

**SECOND SCHEDULE (continued)**[illegible]

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

NEW SOUTH WALES



CATE OF TITLE  
PROPERTY ACT, 1900.



11530058

Appln. No.4627

Prior Title Vol.3342 Fol. 227

Vol. 11530 Fol. 58

Edition issued 23-2-1971

M140527

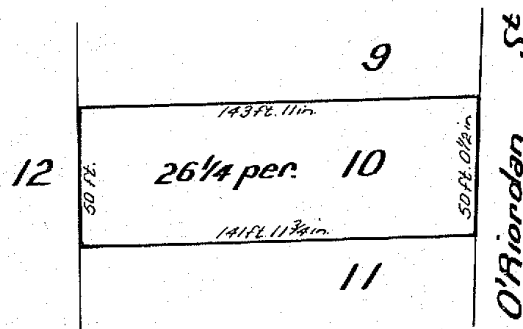


I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

*Jan Watson*  
Registrar General.



PLAN SHOWING LOCATION OF LAND



Scale : 50 feet to one inch

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 10 in Deposited Plan 9142 in the Municipality of Botany Parish of Botany and County of Cumberland being part of Portion 135 granted to Thomas Torkington on 16-12-1836.

FIRST SCHEDULE

**CANCELLED**

~~AIRPORT MOTEL LIMITED~~

SECOND SCHEDULE

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

*Jan Watson*  
Registrar General

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

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE LAND TILES OFFICE.

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

W. C. M. GILMAN, Governor of the State

Vol. 11530 Fol. 58

## Page 2 of 2 pages)

CT 1/3/24  
K26700/1/2  
Page 13

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

**SECOND SCHEDULE (continued)**

INSTRUMENT			PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
NATURE	NUMBER	DATE						
T506965	Lease. V277603	Transfer of	Lease to Brambles Holdings Limited. Registered 16-8-1984.		<i>[Signature]</i>			
V332875	Transfer The	part of the	land being Lot 16 in D.P.262142 is required for road purposes.		<i>[Signature]</i>			
N572917	Mortgage V332874	Discharged as regards part being Lot 16 in D.P.262142.	Registered 6-11-1984.		<i>[Signature]</i>			
			<p>This Deed is Cancelled and Certificate of Title issued</p> <p>Vol. 15286 Fol. 150</p> <p>vide V332875</p> <p><i>[Signature]</i></p> <p>REGISTRAR GENERAL</p>					
			<p>The residue of land in this title comprises</p> <p>Lot 16 in DP 262142 being road.</p> <p><i>[Signature]</i></p> <p>REGISTRAR GENERAL</p>					

RG 2/74

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

~~THREAT~~  
~~197~~  
RECEIVED  
20-12-

(Page of pages)

7506965-2  
ECC

C. F. Zeller

T81185-6

11

(TS069679)

CT23 8

V33287604  
355

(LOT 16 D.P. 42)

— *Journal of the American Medical Association*, 1997

**SECOND SCHEDULE (continued)**[illegible]

RG 274

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

Fol.

Vol.

(Page of pages)



## C

Prior Title Vol. 11530 Fol. 57

15286 147

EDITION ISSUED

6 12 1964

**CANCELLED**

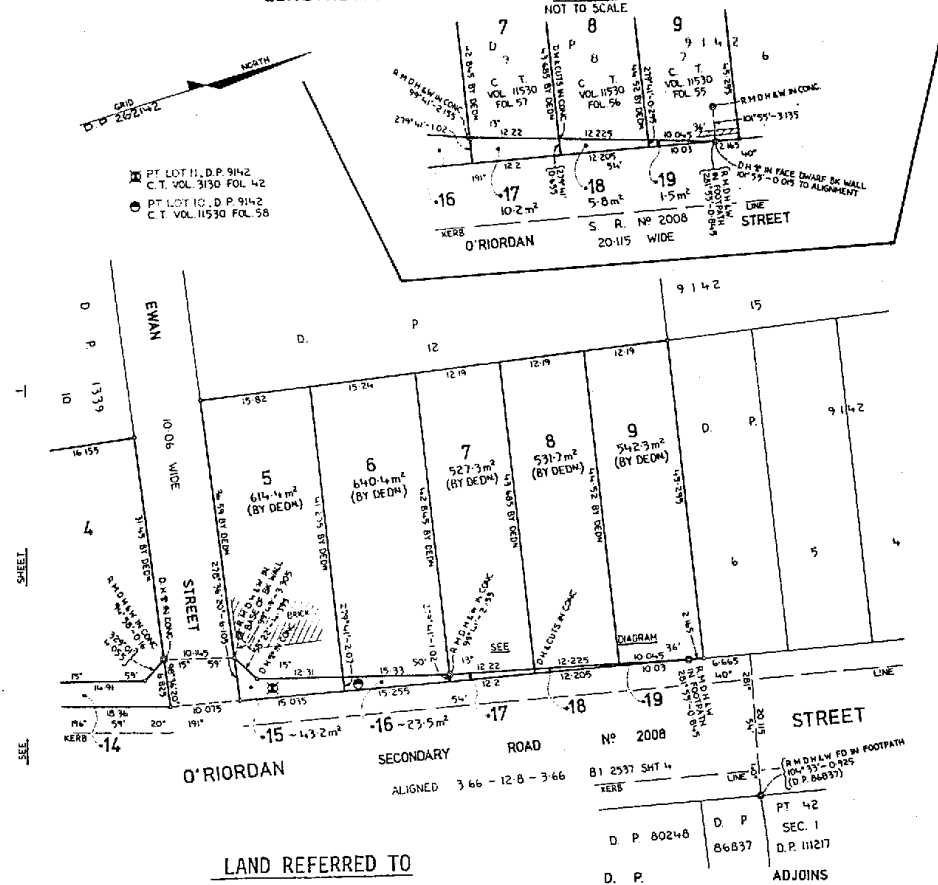


SEE AUTO FOLIO

LENGTHS ARE IN METRES

DIAGRAM

NOT TO SCALE



FIRST SCHEDULE

~~PERMANENT TRUSTEES NOMINEES (CANBERRA) LIMITED.~~

## SECOND SCHEDULE

1. Reservations and conditions in the Crown Grant.
2. ~~N572917 Mortgage to Commonwealth Trading Bank of Australia.~~ *Discharged. W482973.*
3. ~~Q841546 Lease to Ocean Air Pty. Limited of premises being Bay 1 in the building known as 221-233 O'Riordan Street, Mascot together with rights. Expires 27-1-1983. Option of renewal 5 years. W482974~~
4. ~~Q962985 Lease to Grace Bros. Pty. Limited of premises being Bay 6 in the building known as 221-233 O'Riordan Street, Mascot together with and reserving rights. Expires 26-9-1981. Option of renewal 5 years. W122613.~~
5. ~~R216790 Lease to Circle Airfreight (Aust) Pty. Limited of premises being Bay 2 and 3 in the building known as 221-233 O'Riordan Street, Mascot, together with rights. Expires 16-4-1982. Option of renewal 5 years. W482974~~
6. T506965 Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-233 O'Riordan Street, Mascot. together with rights. Expires 18-3-1987.

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

40828-4036

FIRST SCHEDULE (continued)  
REGISTERED PROPRIETOR

Registrar General

Forte Enterprises Pty Limited by Transfer W482977 Registered 22-4-1987



SECOND SCHEDULE (continued)

PARTICULARS

Registrar General

CANCELLATION

L W122613 Lease to Emery Airfreight Corporation of Bay 6 at 221-223 O'Riordan Street, Mascot with an Option of Renewal for 2 years together with and reserving rights. Expires: 30.4.1987. Registered 22.1.1986.



L W482975 Lease to Sameer Pty Limited, of premises being all those premises known as Bay 2 situate in the Building known as 221-223, O'Riordan Street, Mascot <sup>together with rights</sup> Expires 28-2-1989 with option of renewal for 3 years. Registered 22-4-1987



L W482976 Lease to Interport Cargo Services Pty Limited of premises being all those premises known as Bay 3 situate in the Building known as 221-223 O'Riordan Street, Mascot <sup>together with rights</sup> Expires 29-2-1988 with option of renewal for 3 years. Registered 22-4-1987



MW482978 Mortgage to Perpetual Trustee Company Limited. Registered 22-4-1987



NOTATIONS AND UNREGISTERED DEALINGS

CT 29-5-85  
V-22-2-85 (Am)  
REJECTED 11/1/85  
W122613 L R  
W482973 R  
-52  
-62  
-77  
-82



15286148

PROPERTY ACT, 1900

15286 148  
Vol. .... Fol. ....  
EDITION ISSUED

Prior Title Vol. 11530 Fol. 56

6 12 1964



**CANCELLED**

**Registrar General.**

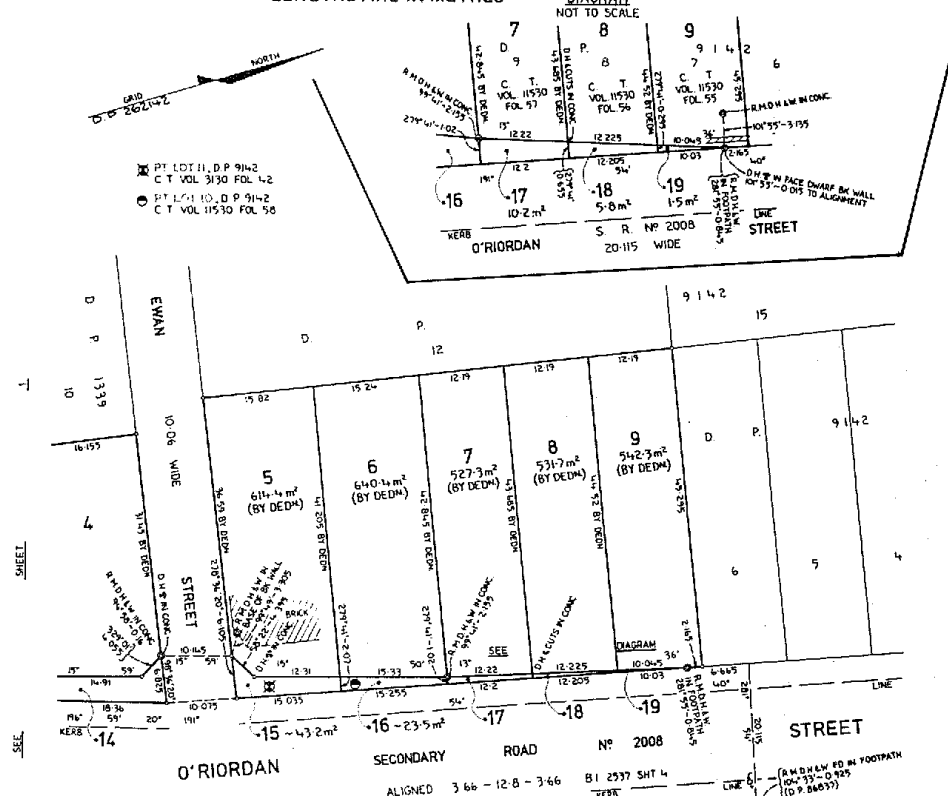
SEE AUTO FOLIO



LENGTHS ARE IN METRES

DIAGRAM

~~SECRET~~  
NOT TO SCAL



LAND REFERRED TO

Lot 8 in Deposited Plan 262142 at Mascot in the Municipality of Botany Parish of Botany County of Cumberland.

## FIRST SCHEDULE

~~PERMANENT TRUSTEE NOMINEES (CANBERRA) LIMITED.~~

## SECOND SCHEDULE

GRY

1. Reservations and conditions in the Crown Grant.
2. ~~N572917 Mortgage to Commonwealth Trading Bank of Australia. W 482973.~~
3. ~~Q841546 Lease to Ocean Air Pty. Limited of premises being Bay 1 in the building known as 221-233 O'Riordan Street, Mascot together with rights. Expires 27-1-1983. Option of renewal 5 years. W482974~~
4. ~~Q962985 Lease to Grace Bros. Pty. Limited of premises being Bay 6 in the building known as 221-233 O'Riordan Street, Mascot together with and reserving rights. Expires 26-9-1981. Option of renewal 5 years. W122613.~~
5. ~~R216790 Lease to Circle Airfreight (Aust) Pty. Limited of premises being Bay 2 and 3 in the building known as 221-233 O'Riordan Street, Mascot, together with rights. Expires 16-4-1982. Option of renewal 5 years. W482974~~
6. T506965 Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-233 O'Riordan Street, Mascot. together with rights. Expires 18-3-1987.

L

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**

PRINTED  
BY THE REGISTRAR  
40828-4036

FIRST SCHEDULE (continued)  
REGISTERED PROPRIETOR

Registrar General

Forte Enterprises Pty Limited by Transfer W482977 Registered 22-4-1987



## SECOND SCHEDULE (continued)

## PARTICULARS

Registrar General

CANCELLATION

W122613 Lease to Emery Airfreight Corporation of Bay 6 at 221-223 O'Riordan Street, Mascot with an Option of Renewal for 2 years together with and reserving rights. Expires: 30.4.1987. Registered 22.1.1986.

W482975. Lease to Samev Pty Limited of premises being all those premises known as Bay 2. situate in the Building known as 221-223 O'Riordan Street, Mascot <sup>together with rights</sup> Expires 28.2.1989. with option of renewal for 3 years. Registered 22.4.1987.

W482976. Lease to Interport Cargo Services Pty Limited of premises being all those premises known as Bay 3 situate in the Building known as 221-223 O'Riordan Street, Mascot <sup>together with rights</sup> Expires 29.2.1988 with option of renewal of 3 years. Registered 22.4.1987. EE DEALING

MW482978 mortgage to Perpetual Trustee Company Limited. Registered 22.4.1987

## NOTATIONS AND UNREGISTERED DEALINGS

CT 29-5-85  
REFUSED 11/9/85  
W122613  
W482973  
-4 84  
-5 L  
-6 L  
-7 T  
-8 W



## PROPERTY ACT, 1900

Vol. 15286 Fol. 149  
EDITION ISSUED

6 12 1994



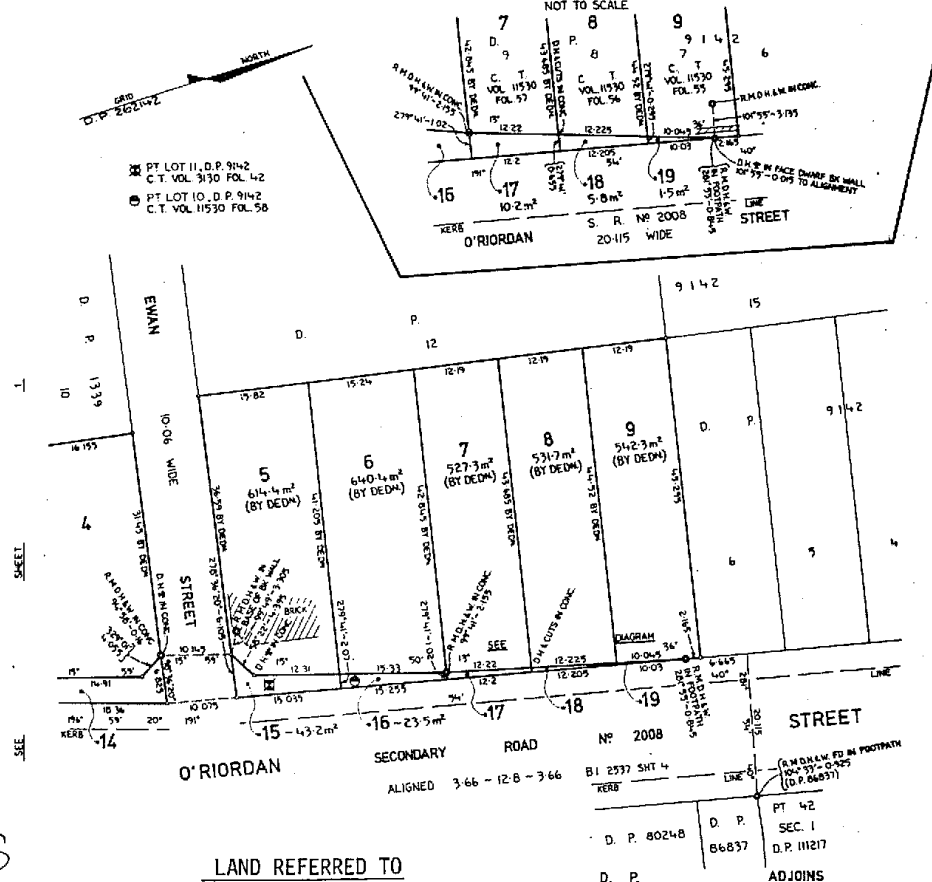
**CANCELLED**



SEE AUTO FOLIO

LENGTHS ARE IN METRES

DIAGRAM  
NOT TO SCALE



FIRST SCHEDULE

~~PERMANENT TRUSTEE NOMINEES (CANBERRA) LIMITED.~~

## SECOND SCHEDULE

GRY

1. Reservations and conditions in the Crown Grant.
2. ~~N572917 Mortgage to Commonwealth Trading Bank of Australia. W #82973~~
3. ~~Q941546 Lease to Ocean Air Pty. Limited of premises being Bay 1 in the building known as 221-233 O'Riordan Street, Mascot together with rights. Expires 27-1-1983. Option of renewal 5 years. W #62974~~
4. ~~Q962985 Lease to Grace Bros. Pty. Limited of premises being Bay 6 in the building known as 221-233 O'Riordan Street, Mascot together with and reserving rights. Expires 26-9-1981. Option of renewal 5 years. W122613.~~
5. ~~R216790 Lease to Circle Airfreight (Aust) Pty. Limited of premises being Bay 2 and 3 in the building known as 221-233 O'Riordan Street, Mascot, together with rights. Expires 16-4-1982. Option of renewal 5 years. W #82974.~~
6. T506965 Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-233 O'Riordan Street, Mascot. together with rights. Expires 18-3-1987.

L

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

REGISTERED PROPRIETOR  
40828-4036

## FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR

Registrar General

Forte Enterprises Pty Limited by Transfer W482977 Registered 22-4-1987



## SECOND SCHEDULE (continued)

PARTICULARS

Registrar General

CANCELLATION

W122613 Lease to Emery Airfreight Corporation of Bay 6 at 221-223 O'Riordan Street, Mascot with an Option of Renewal for 2 years together with and reserving rights. Expires: 30.4.1987. Registered 22.1.1986.

W482975. Lease to Dames Pty Limited of premises being all those premises known as Bay 2 situate in the Building known as 221-223 O'Riordan Street, Mascot together with rights Expires 28-2-1987 with option of renewal for 3 years. Registered 22-4-1987

W482976. Lease to Interport Cargo Services Pty Limited of premises being all those premises known as Bay 3 situate in the Building known as 221-223 O'Riordan Street, Mascot together with rights Expires 29-2-1988 with option of renewal for 3 years. Registered 22-4-1987.

W482978 Mortgage to Perpetual Trustee Company Limited Registered 22-4-1987

## NOTATIONS AND UNREGISTERED DEALINGS

CT 29-5-85  
REJECTED 11/9/85  
W122613 LK  
W482973  
-484  
-52  
-62  
-77  
-84



## C

# PROPERTY ACT, 1900

Vol. 15286 Fol. 150  
EDITION ISSUED

6 12 1984



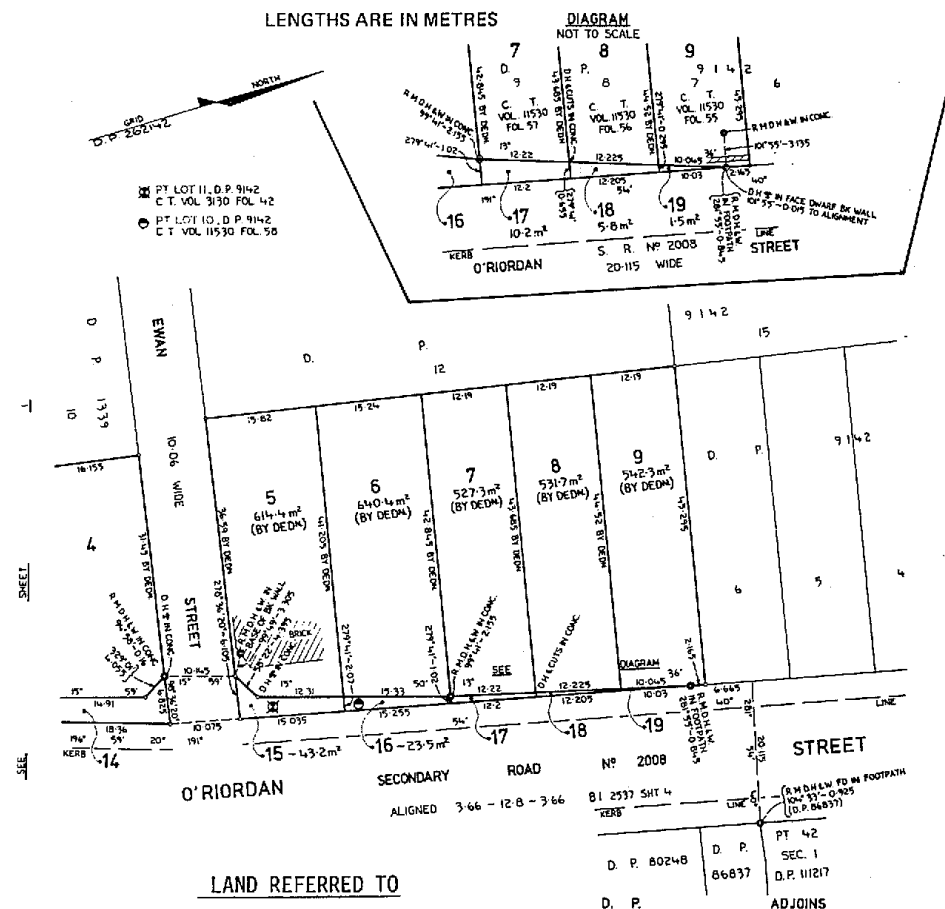
Registrar General.  
SEE AUTO FOLIO



LENGTHS ARE IN METRES

DIAGRAM

NOT TO SCALE



Lot 6 in Deposited Plan 262142 at Mascot in the Municipality of Botany Parish of Botany County of Cumberland.

~~PERMANENT TRUSTEE NOMINEES (CANDERRA) LIMITED.~~

## SECOND SCHEDULE

1. Reservations and conditions in the Crown Grant.
2. ~~N572917 Mortgage to Commonwealth Trading Bank of Australia. W 482973~~
3. ~~Q941546 Lease to Ocean Air Pty. Limited of premises being Bay 1 in the building known as 221-233 O'Riordan Street, Mascot together with rights. Expires 27-1-1983. Option of renewal 5 years. W 482974~~
4. ~~Q962985 Lease to Grace Bros. Pty. Limited of premises being Bay 6 in the building known as 221-233 O'Riordan Street, Mascot together with and reserving rights. Expires 26-9-1981. Option of renewal 5 years. W122613.~~
5. ~~R216790 Lease to Circle Airfreight (Aust) Pty. Limited of premises being Bay 2 and 3 in the building known as 221-233 O'Riordan Street, Mascot, together with rights. Expires 16-4-1982. Option of renewal 5 years. W 482974~~
6. T506965 Lease to Grace Bros. Pty. Limited of premises known as Bays 4 and 5, 221-233 O'Riordan Street, Mascot, together with rights. Expires 18-3-1987.

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

40828-4036

## FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR

Registrar General

Forte Enterprises Pty Limited by Transfer W482977 Registered 22-4-1987



## SECOND SCHEDULE (continued)

PARTICULARS

Registrar General

CANCELLATION

W122613 Lease to Emery Airfreight Corporation of Bay 6 at 221-223 O'Riordan Street, Mascot with an Option of Renewal for 2 years together with and reserving rights. Expires: 30.4.1987. Registered 22.1.1986.



W.482975 Lease to Sameco Pty. Limited of premises being all those premises known as Bay 2 situate in the Building together with rights known as 221-223 O'Riordan Street, Mascot Expires 28-2-1989 with option of renewal for 3 years. Registered 22-4-1987.



W.482976 Lease to Interport Cargo Services Pty. Limited of premises being all those premises known as Bay 3 situate in the Building together with rights known as 221-223 O'Riordan Street Mascot Expires 29-2-1988 with option of renewal for 3 years. Registered 22-4-1987.



W482978 mortgage to Perpetual Trustee Company Limited Registered 22-4-1987

## NOTATIONS AND UNREGISTERED DEALINGS

W482976 (Charged)  
REJECTED 11/9/85  
W122613 W  
W482973 W  
-484-  
-52-  
-62-  
-77-  
-82-  
W482978

Form: 01T  
Release: 4.0  
www.lpma.nsw.gov.au

3

# TRANSFEI

New South Wales  
Real Property Act 1900



AF908891V

**PRIVACY NOTE:** Section 31B of the Real Property Act 1900 (RP Act) authorises:  
by this form for the establishment and maintenance of the Real Property Act Register, Section 300 of the RP Act, that the Register is made available to any person for search upon payment of a fee, if any.

## STAMP DUTY

Office of State Revenue use only

Office of State Revenue  
NSW Treasury  
Client No: 3337774 584  
Duty: \$10- Trans No: 6082406  
Asst details:

### (A) TORRENS TITLE

FOLIO IDENTIFIERS 1/9142 2/9142 and 3/9142

### (B) LODGED BY

Document Collection Box 48T	Name, Address or DX, Telephone, and LLPN if any DAY DOCKRILL DX 21725 NEUTRAL BAY PH: (02) 8969 8100 Reference: AP:GOO:14939 /DD	LLPN: 123819E CITYLINK	CODES T TW TJ JT
--------------------------------	--	---------------------------	------------------------

### (C) TRANSFEROR

GOODEARL & BAILEY (INVESTMENTS) PTY LIMITED ACN 000 009 941

### (D) CONSIDERATION

The transferor acknowledges receipt of the consideration of \$ 2,000,000.00 and as regards

### (E) ESTATE

the abovementioned land transfers to the transferee an estate in fee simple

### (F) SHARE TRANSFERRED

WHOLE

### (G)

Encumbrances (if applicable):

### (H) TRANSFEREE

GIPS AND CO PTY LIMITED ACN 136 646 958

### (I)

TENANCY:

## DATE

- (J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: GOODEARL & BAILEY (INVESTMENTS) PTY LIMITED

Authority: section 127 of the Corporations Act 2001

Signature of authorised person:

*Merran Sinclair Thomas*

Signature of authorised person:

*Vivienne Annette Goodearl*

Name of authorised person: Merran Sinclair Thomas

Office held: Director

Name of authorised person: Vivienne Annette Goodearl

Office held: Director

Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: GIPS AND CO PTY LIMITED

Authority: section 127 of the Corporations Act 2001

Signature of authorised person:

*Vivienne Annette Goodearl*

Signature of authorised person:

Name of authorised person: Vivienne Annette Goodearl

Office held: Sole Director/Secretary

Name of authorised person:

Office held:

### (K) The transferee

certifies that the eNOS data relevant to this dealing has been submitted and stored under

eNOS ID No. 23462 23471 Full name: Allison Paten

Signature: *Allison Paten*

1003

RP3



# TRANSMISSION APPLICATION

Section 93 Real Property Act 1900



Office use only

I  
622696 L

Office of State Revenue use only

(A) **LAND**

Show no more than 20 References to Title.

B/ 407002

(B) **REGISTERED DEALING**

If applicable.

MORTGAGE E466076

(C) **LODGED BY**

L.T.O. Box

Name, Address or DX and Telephone

HOME  
DRESS  
L.T.O.B

REFERENCE (max. 15 characters):

JBC 56437 LIT

(D) **DECEASED REGISTERED  
PROPRIETOR**

ARTHUR FREDERICK LITTLE

(E) **APPLICANT**

TA

DONALD NOEL JAMES and NEVILLE ROY HEAD

JR

(F) I, the Applicant, being entitled as executors of the will/estate of the Deceased Registered Proprietor (who died on 24th November 199<sup>2</sup>) pursuant to Probate/Letters of Administration No. 103676/93 granted on 19th March 199<sup>3</sup> to Donald Noel James and Neville Roy Head, apply to be registered as proprietor of the estate or interest of the Deceased Registered Proprietor in the Land/Registered Dealing specified above.

(G) Certified correct for the purposes of the Real property Act 1900.

DATE 19<sup>th</sup> August 1993

Signed in my presence by the Applicant who is personally known to me.

Signature of Witness

JOHN BAINES CHETOLE  
Name of Witness (BLOCK LETTERS)

167 MACQUARIE ST. SYDNEY  
Address of Witness

Signature of Applicant

CHECKED BY (office use only)

EVIDENCE SIGHTED (office use only)

NOS NOT REQUIRED

## CONSENT OF EXECUTOR OR ADMINISTRATOR

(H)

I, ..... **Executor of the will /Administrator of the estate**  
of the Deceased Registered Proprietor, hereby consent to this application.

.....  
Signature of Witness

.....  
Name of Witness (BLOCK LETTERS)

.....  
Address of Witness

.....  
Signature of Executor/Administrator

## INSTRUCTIONS FOR COMPLETION

**STAMP DUTY:** If the Applicant is a devisee, beneficiary, next-of-kin or otherwise beneficially entitled or if the Deceased Registered Proprietor died prior to 31 December 1981 the application must be presented to the Office of State Revenue prior to lodgment at the Land Titles Office.

1. The Application must be completed clearly and legibly in permanent, dense, black or dark blue non-copying ink. If using a dot-matrix printer the print must be letter-quality.
2. Do not use an eraser or correction fluid to make alterations: rule through rejected material. Initial each alteration in the lefthand margin.
3. If the space provided at any point is insufficient, you may annex additional pages. These must be the same size as the form; paper quality, colour, etc, must conform to the requirements set out in Land Titles Office Information Bulletin No. 19. All pages of any annexure must be signed by the person executing the Application and any attesting witness.
4. The following instructions relate to the marginal letters on the application.

### (A) LAND

Show the relevant Reference to Title. If there are more than 20 show none in this panel. Place ALL of them on an annexure (see 3 above) with 20 per sheet.

### (B) REGISTERED DEALING

Show the registration number of any lease, mortgage or charge in regard to which the Applicant is applying to be registered as a proprietor.

### (C) LODGED BY

This section relates to the person or firm lodging the Application at the Land Titles Office.

**Reference (max. 15 characters)** This is optional. Any slashes, dots, blank spaces, etc, will be counted as characters.

### (D) DECEASED REGISTERED PROPRIETOR

Show the name in full. Address and occupation need not be shown.

### (E) APPLICANT

Show the name in full. Address and occupation need not be shown.

### (F) WILL/ESTATE, etc

Amend "will/estate", "Probate/Letters of Administration" and "Land/Registered Dealing" as appropriate.

In the relevant spaces show the capacity (executor, devisee, etc) in which the Applicant is entitled to apply, the date of death of the Deceased Registered Proprietor, the number and date of grant of the Probate or Letters of Administration pursuant to which the Application is made, and the name of the person to whom the grant was made.

### (G) EXECUTION

**General** The application must be executed by or on behalf of the Applicant.

**By the Applicant Personally** The application must be signed in the presence of an adult witness who is not an Applicant and who knows the party executing personally. The witness should complete the appropriate section of the application.

**By the Applicant's Attorney** The Power of Attorney must be registered in the General Register of Deeds at the Land Titles Office. The execution should take the form, "AB by her attorney XY [full name] pursuant to Power of Attorney Book 1234 Number 567".

**Under Authority** If the application is made pursuant to any statutory, judicial or other authority, except a Power of Attorney (see above), the nature of the authority should be disclosed.

**By a Corporation under Seal** The execution should include a statement that the seal has been properly affixed, for example, "... pursuant to a resolution of the board of directors ...". Alternatively, all those attesting the affixing of the seal must state their position in the corporation.

### (H) CONSENT OF EXECUTOR OR ADMINISTRATOR

This is required only where the Applicant claims to be entitled other than as executor, administrator or trustee.

The completed Application must be lodged by hand at the LAND TITLES OFFICE, Queen's Square, Sydney, together with the Certificate of Title, the probate or letters of administration (or a copy thereof certified by a solicitor to be a true copy) and a completed Notice of Sale.

If you have any questions about filling out the form, please call 228-6666 and ask for our Customer Services Branch.

Ref: advlegs /Src: P

HP 13

STAMP DUTY



⑧

\$1



B

Z  
373075F

## TRANSFER

REAL PROPERTY ACT, 1900

T

3	2 <sup>of</sup> 2	X	R <sup>2</sup> / <sub>2</sub>
\$	47		

DESCRIPTION  
OF LAND  
Note (a)

Torrens Title Reference	If Part Only, Delete Whole and Give Details	Location
Volume 3130 Folio 42 now being Fol. Identifier 11/9142 & Volume 2976 Folio 43 NOW BEING <del>whole</del> OF LAND COMPRISED IN FOLIO <u>12/9142</u>	WHOLE	Municipality: Botany Parish: Botany County: Cumberland
BURENCAR PTY LIMITED (in liquidation) formerly known as Budget Rent-A-Car System Pty Ltd		

TRANSFEROR  
Note (b)ESTATE  
Note (c)

(the abovenamed TRANSFEROR) hereby acknowledges receipt of the consideration of \$ 815,000.00  
and transfers an estate in fee simple  
in the land above described to the TRANSFEREE

TRANSFEREE  
Note (d)

Paul-Dean Pty Ltd

OFFICE USE ONLY

S

TENANCY  
Note (e)

as joint tenants/tenants in common

PRIOR  
ENCUMBRANCES  
Note (f)

subject to the following PRIOR ENCUMBRANCES 1. Y460495 Lease  
2. 3.

DATE 23<sup>rd</sup> November 1990

We hereby certify this dealing to be correct for the purposes of the Real Property Act, 1900.

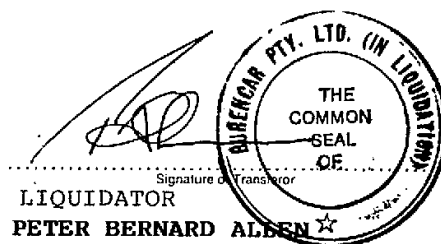
EXECUTION  
Note (g)

Signed in my presence by the transferor who is personally known to me

The Common Seal of BURENCAR PTY LIMITED (in liquidation)

was hereunto affixed in the presence of the Liquidator:

Peter Bernard Allen



Signed in my presence by the transferee who is personally known to me

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address and occupation of Witness

TO BE COMPLETED  
BY LODGING PARTY  
Notes (h)  
and (i)

OFFICE USE ONLY

LODGED BY		<div style="border: 1px solid black; padding: 5px;"> <b>24J</b> COMMONWEALTH BANK OF AUSTRALIA BRANCH LENDING SUPPORT 360 GEORGE STREET SYDNEY PHONE: 227-7558 DX 1000 SYDNEY <b>24J</b> </div>		LOCATION OF DOCUMENTS	
CT	OTHER	CT	OTHER	Herewith.	
<input checked="" type="checkbox"/>				In L.T.O. with	
				Produced by	
Checked	Passed	REGISTERED - -19			
<input checked="" type="checkbox"/>		18 DEC 1990			
Signed	Extra Fee	Secondary Directions			
<input checked="" type="checkbox"/>		Delivery Directions			
		CT 24J			

Ref: 2200 Paul Dean etc

Delivery Box Number

Signature of Transferee S  
SOLICITOR  
JOHN CALOPODOS



B

MINTER ELLISON

NATIONAL COMPANIES AND SECURITIES COMMISSION  
COMPANIES (VICTORIA) CODE  
SUB-SECTION 72 (9)

Registered no. : C0227614M

CERTIFICATE OF INCORPORATION  
ON CHANGE OF NAME OF COMPANY


THIS IS TO CERTIFY THAT

BUDGET RENT A CAR SYSTEM PTY, LIMITED

WHICH WAS ON THE 23RD MAY 1984 INCORPORATED UNDER THE  
COMPANIES (VICTORIA) CODE AS A PROPRIETARY COMPANY.  
ON THE 20TH APRIL 1990 CHANGED ITS NAME TO  
BURENCAR PTY. LIMITED

AND THAT THE COMPANY IS A PROPRIETARY COMPANY.  
AND IS A COMPANY LIMITED BY SHARES.

Given under the seal  
of the National Companies and Securities Commission  
at MELBOURNE on this 20TH DAY OF APRIL 1990.

  
A person authorized by the Commissioner for Corporate Affairs,  
for the State of Victoria  
Delegate of the National Companies and Securities Commission.

IN THE SUPREME COURT  
OF NEW SOUTH WALES  
AT SYDNEY

Equity Division

No: 004871/89



GENERAL MOTORS ACCEPTANCE CORPORATION AUSTRALIA

1st Plaintiff and 5 ors

BUDGET TRANSPORT INDUSTRIES PTY LIMITED

1st Defendant and 1 ors

-----  
ORDERS  
-----

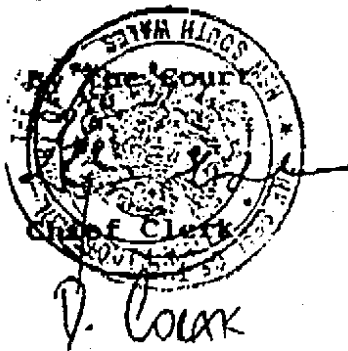
THE COURT ORDERS-

1. That the First Defendant be wound up under the Companies (New South Wales) Code.
2. That Gregory Paul Kelly of Price Waterhouse, Level 9, 201 Kent Street, Sydney be appointed liquidator of the First Defendant.
3. That the Second Defendant be wound up under the Companies (Victoria) Code.
4. That Peter Bernard Allen and John William Murphy be appointed liquidators of the Second Defendant.
5. That the costs of the Plaintiffs be paid out of the assets of the Defendants jointly and severally.
6. That anything that is required or authorised by the Companies (Victoria) Code to be done by the said liquidators of the Second Defendant may be done by both or either one of the said liquidators.

THE COURT NOTES-

1. That the Provisional Liquidators by their Counsel undertake to the Court that they and their partners will repay to the assets of the Second Defendant the sum of \$20,000.00 referred to in paragraph 12 of the affidavit of Peter Bernard Allen sworn 12th April 1990, and will make no claim in respect of that sum against the Second Defendant.

Ordered 19/04/90 and entered 20/04/90



IN THE SUPREME COURT  
OF NEW SOUTH WALES  
AT SYDNEY

Equity Division

NO: 004871/89

Between  
GENERAL MOTORS ACCEPTANCE CORPORATION AUSTRALIA

1st Plaintiff and 5 ors

And  
BUDGET TRANSPORT INDUSTRIES PTY LIMITED

1st Defendant and 1 ors

---

SCHEDULE OF PARTIES

---

Plaintiffs

1. GENERAL MOTORS ACCEPTANCE CORPORATION AUSTRALIA
2. FORD CREDIT AUSTRALIA LTD
3. NISSAN FINANCE CORPORATION LTD
4. TOYOTA FINANCE AUSTRALIA LTD
5. GENERAL MOTORS-HOLDEN'S AUTOMOTIVE LTD
6. THERE IS NO 6TH PLTF

Defendants

1. BUDGET TRANSPORT INDUSTRIES PTY LIMITED
2. BUDGET RENT A CAR SYSTEM PTY LTD

Municipality of Mascot

A.369504 19.3.18

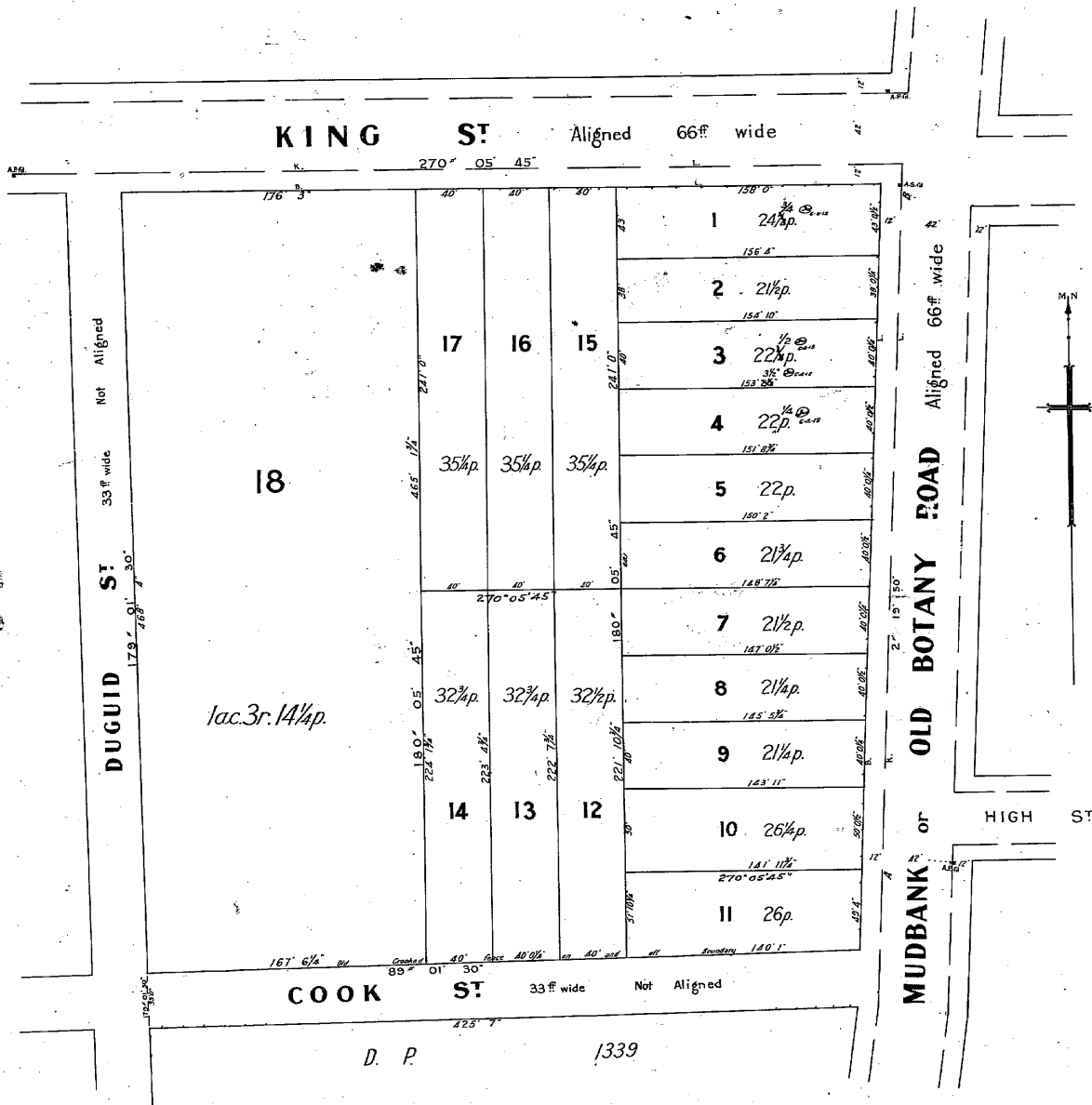
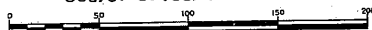
PLAN

DP 9142

of subdivision of land in Cert. of Title Vol:490 Fol:93

Parish of Botany - County of Cumberland

Scale: 50 feet to an Inch



I, Bruce Richard Davies, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 28th day of September, 1979.

62

I, John Weingarth of Sydney, Licensed Surveyor, specially Licensed under the Real Property Act do hereby, solemnly and sincerely declare that the boundaries and measurements shown in this Plan are correct for the purposes of the said Act, and that survey of the land to which the plan relates has been made under my immediate supervision and I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1900

Subscribed and declared before me at Sydney this 28th day of May A.D. 1917

John Weingarth

Datum line of Azimuth A.B.  
Date of survey May 1917

CONVERSION TABLE ADDED IN  
REGISTRAR GENERAL'S DEPARTMENT

DP 9142

FEET	INCHES	METRES
3	3 5/8	1.005
4	0 1/4	1.225
5	-	3.66
6	-	10.96
7	-	11.58
8	0 1/4	12.19
9	0 1/2	12.8
10	0 1/2	13.41
11	0 1/2	14.02
12	0 1/2	14.63
13	0 1/2	15.24
14	0 1/2	15.85
15	0 1/2	16.46
16	0 1/2	17.07
17	0 1/2	17.68
18	0 1/2	18.29
19	0 1/2	18.9
20	0 1/2	19.51
21	0 1/2	20.12
22	0 1/2	20.73
23	0 1/2	21.34
24	0 1/2	21.95
25	0 1/2	22.56
26	0 1/2	23.17
27	0 1/2	23.78
28	0 1/2	24.39
29	0 1/2	25.0
30	0 1/2	25.61
31	0 1/2	26.22
32	0 1/2	26.83
33	0 1/2	27.44
34	0 1/2	28.05
35	0 1/2	28.66
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54	0 1/2	40.25
55	0 1/2	40.86
56	0 1/2	41.47
57	0 1/2	42.08
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68	0 1/2	48.79
69	0 1/2	49.4
70	0 1/2	50.01
71	0 1/2	50.62
72	0 1/2	51.23
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74	0 1/2	52.45
75	0 1/2	53.06
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80	0 1/2	56.11
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91	0 1/2	62.82
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96	0 1/2	65.87
97	0 1/2	66.48
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109	0 1/2	73.8
110	0 1/2	74.41
111	0 1/2	75.02
112	0 1/2	75.63
113	0 1/2	76.24
114	0 1/2	76.85
115	0 1/2	77.46
116	0 1/2	78.07
117	0 1/2	78.68
118	0 1/2	79.29
119	0 1/2	79.9
120	0 1/2	80.51
121	0 1/2	81.12
122	0 1/2	81.73
123	0 1/2	82.34
124	0 1/2	82.95
125	0 1/2	83.56
126	0 1/2	84.17
127	0 1/2	84.78
128	0 1/2	85.39
129	0 1/2	86.0
130	0 1/2	86.61
131	0 1/2	87.22
132	0 1/2	87.83
133	0 1/2	88.44
134	0 1/2	89.05
135	0 1/2	89.66
136	0 1/2	90.27
137	0 1/2	90.88
138	0 1/2	91.49
139	0 1/2	92.1
140	0 1/2	92.71
141	0 1/2	93.32
142	0 1/2	93.93
143	0 1/2	94.54
144	0 1/2	95.15
145	0 1/2	95.76
146	0 1/2	96.37
147	0 1/2	96.98
148	0 1/2	97.59
149	0 1/2	98.2
150	0 1/2	98.81
151	0 1/2	99.42
152	0 1/2	100.03
153	0 1/2	100.64
154	0 1/2	101.25
155	0 1/2	101.86
156	0 1/2	102.47
157	0 1/2	103.08
158	0 1/2	103.69
159	0 1/2	104.3
160	0 1/2	104.91
161	0 1/2	105.52
162	0 1/2	106.13
163	0 1/2	106.74
164	0 1/2	107.35
165	0 1/2	107.96
166	0 1/2	108.57
167	0 1/2	109.18
168	0 1/2	109.79
169	0 1/2	110.4
170	0 1/2	111.01
171	0 1/2	111.62
172	0 1/2	112.23
173	0 1/2	112.84
174	0 1/2	113.45
175	0 1/2	114.06
176	0 1/2	114.67
177	0 1/2	115.28
178	0 1/2	115.89
179	0 1/2	116.5
180	0 1/2	117.11
181	0 1/2	117.72
182	0 1/2	118.33
183	0 1/2	118.94
184	0 1/2	119.55
185	0 1/2	120.16
186	0 1/2	120.77
187	0 1/2	121.38
188	0 1/2	121.99
189	0 1/2	122.6
190	0 1/2	123.21
191	0 1/2	123.82
192	0 1/2	124.43
193	0 1/2	125.04
194	0 1/2	125.65
195	0 1/2	126.26
196	0 1/2	126.87
197	0 1/2	127.48
198	0 1/2	128.09
199	0 1/2	128.7
200	0 1/2	129.31
201	0 1/2	129.92
202	0 1/2	130.53
203	0 1/2	131.14
204	0 1/2	131.75
205	0 1/2	132.36
206	0 1/2	132.97
207	0 1/2	133.58
208	0 1/2	134.19
209	0 1/2	134.8
210	0 1/2	135.41
211	0 1/2	136.02
212	0 1/2	136.63
213	0 1/2	137.24
214	0 1/2	137.85
215	0 1/2	138.46
216	0 1/2	139.07
217	0 1/2	139.68
218	0 1/2	140.29
219	0 1/2	140.9
220	0 1/2	141.51
221	0 1/2	142.12
222	0 1/2	142.73
223	0 1/2	143.34
224	0 1/2	143.95
225	0 1/2	144.56
226	0 1/2	145.17
227	0 1/2	145.78
228	0 1/2	146.39
229	0 1/2	147.0
230	0 1/2	147.61
231	0 1/2	148.22
232	0 1/2	148.83
233	0 1/2	149.44
234	0 1/2	150.05
235	0 1/2	150.66
236	0 1/2	151.27
237	0 1/2	151.88
238	0 1/2	152.49
239	0 1/2	153.1
240	0 1/2	153.71
241	0 1/2	154.32
242	0 1/2	154.93
243	0 1/2	155.54
244	0 1/2	156.15
245	0 1/2	156.76
246	0 1/2	157.37
247	0 1/2	157.98
248	0 1/2	158.59
249	0 1/2	159.2
250	0 1/2	159.81
251	0 1/2	160.42
252	0 1/2	161.03
253	0 1/2	161.64
254	0 1/2	162.25
255	0 1/2	162.86
256	0 1/2	163.47
257	0 1/2	164.08
258	0 1/2	164.69
259	0 1/2	165.3
260	0 1/2	165.91
261	0 1/2	166.52
262	0 1/2	167.13
263	0 1/2	167.74
264	0 1/2	168.35
265	0 1/2	168.96
266	0 1/2	169.57
267	0 1/2	170.18
268	0 1/2	170.79
269	0 1/2	171.4
270	0 1/2	172.01
271	0 1/2	172.62
272	0 1/2	173.23
273	0 1/2	173.84
274	0 1/2	174.45
275	0 1/2	175.06
276	0 1/2	175.67
277	0 1/2	176.28
278	0 1/2	176.89
279	0 1/2	177.5
280	0 1/2	178.11
281	0 1/2	178.72
282	0 1/2	179.33
283	0 1/2	179.94
284	0 1/2	180.55
285	0 1/2	181.16
286	0 1/2	181.77
287	0 1/2	182.38
288	0 1/2	182.99
289	0 1/2	183.6
290	0 1/2	184.21
291	0 1/2	184.82
292	0 1/2	185.43
293	0 1/2	186.04
294	0 1/2	186.65
295	0 1/2	187.26
296	0 1/2	187.87
297	0 1/2	188.48
298	0 1/2	189.09
299	0 1/2	189.7
300	0 1/2	190.31
301	0 1/2	190.92
302	0 1/2	191.53
303	0 1/2	192.14
304	0 1/2	192.75
305	0 1/2	193.36
306	0 1/2	193.97
307	0 1/2	194.58
308	0 1/2	195.19
309	0 1/2	195.8
310	0 1/2	196.41
311	0 1/2	197.02
312	0 1/2	197.63
313	0 1/2	198.24
314	0 1/2	198.85
315	0 1/2	199.46
316	0 1/2	200.07
317	0 1/2	200.68
318	0 1/2	201.29
319	0 1/2	201.9
320	0 1/2	202.51
321	0 1/2	203.12
322	0 1/2	203.73
323	0 1/2	204.34
324	0 1/2	204.95
325	0 1/2	205.56
326	0 1/2	206.17
327	0 1/2	206.78
328	0 1/2	207.39
329	0 1/2	208.0
330	0 1/2	208.61
331	0 1/2	209.22
332	0 1/2	209.83
333	0 1/2	210.44
334	0 1/2	211.05
335	0 1/2	211.66
336	0 1/2	212.27
337	0 1/2	212.88
338	0 1/2	213.49
339	0 1/2	214.1
340	0 1/2	214.71
341	0 1/2	215.32
342	0 1/2	215.93
343	0 1/2	216.54
344	0 1/2	217.15
345	0 1/2	217.76
346	0 1/2	218.37
347	0 1/2	218.98
348	0 1/2	219.59
349	0 1/2	220.2
350	0 1/2	220.81
351	0 1/2	221.42
352	0 1/2	222.03
353	0 1/2	222.64
354	0 1/2	223.25
355	0 1/2	223.86
356	0 1/2	224.47
357	0 1/2	225.08
358	0 1/2	225.69
359	0 1/2	

1

I, Bruce Richard Davies, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 8th day of April, 1980

CONVERSION TABLE ADDED IN  
DEPARTMENT OF LANDS

DP 407002

FEET	INCHES	METRES
40	-	12.192
40	0 1/4	12.198
89	9 3/4	27.375
132	10	40.488
133	7	40.716
400	-	121.920
AC	RD	P
-	-	13
-	-	19 1/2
		50 M
		328.8
		493.2

H 91115  
F.P 407002

Municipality of Botany  
PLAN  
of subdivision of lot 13 DP 9142  
Parish of Botany County of Cumberland  
Scale: 30 Feet to an Inch

17 16 15  
30° 05' 40" 40' 0" 45°  
45' 69' 9 3/4" 45' 69' 9 3/4" 45' 1' 1"  
G57787  
Plan in  
13 12  
90° 05' 40" 40' 0" 05'  
19 1/2 p  
0° 132' 7" 182' 10" 180°  
D. P. 9142  
A  
B  
40' 0 1/4"  
39° 01' 30"

COUNCIL CLERK'S CERTIFICATE  
I hereby certify that the requirements of the Local Government Act, 1919, (other than the requirements for the registration of plans) have been complied with by the applicant in relation to the proposed Subdivision set out herein.

This plan of subdivision has been approved by the Botany Municipal Council, and is covered by the Town Clerk's Certificate No. 31 of 1957

Town Clerk

COOK STREET  
Misc. Plan of Subdiv. (R.R.)  
Regd. No. 107002

Note:- No survey has been made. There are no improvements on or immediately adjacent to the subdivisional lines. It is intended to consolidate lot A with the adjoining lots 16 & 17 comprised in C.T. Vol. 3619 Fol. 199.

I hereby certify that this plan has been compiled from the information in DP 9142 & plan in G57787 & is correct.

Surveyor registered under the Surveyors Act 1929

6

M.I.M.

This is the plan marked "A" referred to in Memorandum of Transfers between I.V. Gena and J.C. Warren  
Dated 21st June 1957

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:14AM

FOLIO: 1/9142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 2865 FOL 94

Recorded	Number	Type of Instrument	C.T. Issue
3/3/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
19/10/1990		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
23/6/1998	5073942	CHANGE OF NAME	EDITION 1
27/9/2000	7111700	CAVEAT	
19/11/2010	AF684257	WITHDRAWAL OF CAVEAT	
19/11/2010	AF684258	LEASE	EDITION 2
30/11/2010	AF908891	TRANSFER	EDITION 3
17/10/2013	AI95635	CAVEAT	
26/6/2014	AI681774	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 4
21/7/2014	AI752620	TRANSFER	
21/7/2014	AI752621	MORTGAGE	EDITION 5
8/9/2018	AN695391	DEPARTMENTAL DEALING	EDITION 6 CORD ISSUED

\*\*\* END OF SEARCH \*\*\*

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PRINTED ON 24/10/2018



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:18AM

FOLIO: 2/9142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 8076 FOL 89

Recorded	Number	Type of Instrument	C.T. Issue
29/11/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
17/5/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
21/3/1991	Z551481	TRANSFER OF LEASE	
6/2/1992	E241828	LEASE	EDITION 1
23/6/1998	5073942	CHANGE OF NAME	EDITION 2
16/9/1998	5269667	LEASE	
16/9/1998	5269668	TRANSFER OF LEASE	EDITION 3
22/9/1998	5283231	TRANSFER OF LEASE	
26/8/1999	5995960	REQUEST	
26/8/1999	5995961	LEASE	EDITION 4
17/2/2000	6574002	VARIATION OF LEASE	
4/7/2006	AC411214	LEASE	EDITION 5
25/7/2006	AC480966	DISCHARGE OF MORTGAGE	EDITION 6
14/8/2006	AC527468	DEPARTMENTAL DEALING	
17/8/2006	AC533353	DEPARTMENTAL DEALING	EDITION 7
30/11/2010	AF908890	REQUEST	
30/11/2010	AF908891	TRANSFER	EDITION 8
17/10/2013	AI95635	CAVEAT	
26/6/2014	AI681774	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 9
21/7/2014	AI752607	TRANSFER	
21/7/2014	AI752610	MORTGAGE	EDITION 10

END OF PAGE 1 - CONTINUED OVER

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH  
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SEARCH DATE  
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24/10/2018 9:18AM

FOLIO: 2/9142  
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PAGE 2

<u>Recorded</u>	<u>Number</u>	<u>Type of Instrument</u>	<u>C.T. Issue</u>
8/9/2018	AN695391	DEPARTMENTAL DEALING	EDITION 11 CORD ISSUED

\*\*\* END OF SEARCH \*\*\*

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Obtained from NSW LRS on 24 October 2018 08:18 AM AEST

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:20AM

FOLIO: 3/9142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 2865 FOL 103

Recorded	Number	Type of Instrument	C.T. Issue
3/3/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
19/10/1990		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
23/6/1998	5073942	CHANGE OF NAME	EDITION 1
30/11/2010	AF908891	TRANSFER	EDITION 2
17/10/2013	AI95635	CAVEAT	
26/6/2014	AI681774	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 3
22/7/2014	AI753354	TRANSFER	
22/7/2014	AI753355	MORTGAGE	EDITION 4
8/9/2018	AN695391	DEPARTMENTAL DEALING	EDITION 5 CORD ISSUED

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:27AM

FOLIO: 4/9142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 11530 FOL 52

Recorded	Number	Type of Instrument	C.T. Issue
21/8/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
2/11/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
9/10/1989	Y634236	VARIATION OF MORTGAGE	EDITION 1
8/11/1990	Z316247	CAVEAT	
17/12/1990	Z334624	LEASE	EDITION 2
8/3/1991	Z532138	LEASE	EDITION 3
21/11/1991	E77477	LEASE	EDITION 4
10/9/1992	E749754	CAVEAT	
9/2/1993	I102662	WITHDRAWAL OF CAVEAT	
9/2/1993	I102663	MORTGAGE	EDITION 5
3/3/1995	O59040	WITHDRAWAL OF CAVEAT	
3/3/1995	O59041	REQUEST	
14/3/1995	SP48926	STRATA PLAN	FOLIO CANCELLED
7/8/2014	AI792803	DEPARTMENTAL DEALING	

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 2:10PM

FOLIO: 5/9142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 11530 FOL 53

Recorded	Number	Type of Instrument	C.T. Issue
21/8/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
2/11/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
9/10/1989	Y634236	VARIATION OF MORTGAGE	EDITION 1
8/11/1990	Z316247	CAVEAT	
17/12/1990	Z334624	LEASE	EDITION 2
8/3/1991	Z532138	LEASE	EDITION 3
21/11/1991	E77477	LEASE	EDITION 4
10/9/1992	E749754	CAVEAT	
9/2/1993	I102662	WITHDRAWAL OF CAVEAT	
9/2/1993	I102663	MORTGAGE	EDITION 5
3/3/1995	O59040	WITHDRAWAL OF CAVEAT	
3/3/1995	O59041	REQUEST	
14/3/1995	SP48926	STRATA PLAN	FOLIO CANCELLED
7/8/2014	AI792803	DEPARTMENTAL DEALING	

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 2:10PM

FOLIO: 6/9142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 11530 FOL 54

Recorded	Number	Type of Instrument	C.T. Issue
21/8/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
2/11/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
9/10/1989	Y634236	VARIATION OF MORTGAGE	EDITION 1
8/11/1990	Z316247	CAVEAT	
17/12/1990	Z334624	LEASE	EDITION 2
8/3/1991	Z532138	LEASE	EDITION 3
21/11/1991	E77477	LEASE	EDITION 4
10/9/1992	E749754	CAVEAT	
9/2/1993	I102662	WITHDRAWAL OF CAVEAT	
9/2/1993	I102663	MORTGAGE	EDITION 5
3/3/1995	O59040	WITHDRAWAL OF CAVEAT	
3/3/1995	O59041	REQUEST	
14/3/1995	SP48926	STRATA PLAN	FOLIO CANCELLED
7/8/2014	AI792803	DEPARTMENTAL DEALING	

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 2:10PM

FOLIO: 6/262142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 15286 FOL 150

Recorded	Number	Type of Instrument	C.T. Issue
5/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
14/10/1987		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
9/10/1989	Y634236	VARIATION OF MORTGAGE	EDITION 1
8/11/1990	Z316247	CAVEAT	
17/12/1990	Z334624	LEASE	EDITION 2
8/3/1991	Z532138	LEASE	EDITION 3
21/11/1991	E77477	LEASE	EDITION 4
10/9/1992	E749754	CAVEAT	
9/2/1993	I102662	WITHDRAWAL OF CAVEAT	
9/2/1993	I102663	MORTGAGE	EDITION 5
3/3/1995	O59040	WITHDRAWAL OF CAVEAT	
3/3/1995	O59041	REQUEST	
14/3/1995	SP48926	STRATA PLAN	FOLIO CANCELLED
7/8/2014	AI792803	DEPARTMENTAL DEALING	

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 2:10PM

FOLIO: 7/262142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 15286 FOL 147

Recorded	Number	Type of Instrument	C.T. Issue
5/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
6/10/1987		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
10/3/1989	Y236155	DEPARTMENTAL DEALING	
9/10/1989	Y634236	VARIATION OF MORTGAGE	EDITION 1
8/11/1990	Z316247	CAVEAT	
10/9/1992	E749754	CAVEAT	
9/2/1993	I102662	WITHDRAWAL OF CAVEAT	
9/2/1993	I102663	MORTGAGE	EDITION 2
3/3/1995	O59040	WITHDRAWAL OF CAVEAT	
3/3/1995	O59039	REQUEST	
14/3/1995	SP48926	STRATA PLAN	FOLIO CANCELLED
7/8/2014	AI792803	DEPARTMENTAL DEALING	

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 2:10PM

FOLIO: 8/262142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 15286 FOL 148

Recorded	Number	Type of Instrument	C.T. Issue
5/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
14/10/1987		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
9/10/1989	Y634236	VARIATION OF MORTGAGE	EDITION 1
8/11/1990	Z316247	CAVEAT	
17/12/1990	Z334624	LEASE	EDITION 2
8/3/1991	Z532138	LEASE	EDITION 3
21/11/1991	E77477	LEASE	EDITION 4
10/9/1992	E749754	CAVEAT	
9/2/1993	I102662	WITHDRAWAL OF CAVEAT	
9/2/1993	I102663	MORTGAGE	EDITION 5
3/3/1995	O59040	WITHDRAWAL OF CAVEAT	
3/3/1995	O59041	REQUEST	
14/3/1995	SP48926	STRATA PLAN	FOLIO CANCELLED
7/8/2014	AI792803	DEPARTMENTAL DEALING	

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:31AM

FOLIO: 9/262142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 15286 FOL 149

Recorded	Number	Type of Instrument	C.T. Issue
5/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
21/10/1987		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
9/10/1989	Y634236	VARIATION OF MORTGAGE	EDITION 1
8/11/1990	Z316247	CAVEAT	
17/12/1990	Z334624	LEASE	EDITION 2
8/3/1991	Z532138	LEASE	EDITION 3
21/11/1991	E77477	LEASE	EDITION 4
10/9/1992	E749754	CAVEAT	
9/2/1993	I102662	WITHDRAWAL OF CAVEAT	
9/2/1993	I102663	MORTGAGE	EDITION 5
3/3/1995	O59040	WITHDRAWAL OF CAVEAT	
3/3/1995	O59041	REQUEST	
14/3/1995	SP48926	STRATA PLAN	FOLIO CANCELLED
7/8/2014	AI792803	DEPARTMENTAL DEALING	

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:22AM

FOLIO: 11/9142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 3130 FOL 42

Recorded	Number	Type of Instrument	C.T. Issue
18/2/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
16/5/1990		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
27/8/1990	Z213345	DEPARTMENTAL DEALING	
18/12/1990	Z373074	DISCHARGE OF MORTGAGE	
18/12/1990	Z373075	TRANSFER	EDITION 1
12/10/1992	E819067	MORTGAGE	EDITION 2
23/7/1993		AMENDMENT: LOCAL GOVT AREA	
18/5/1994	U274377	LEASE	EDITION 3
16/10/1995	O611824	SURRENDER OF LEASE	
16/10/1995	O611825	LEASE	EDITION 4
24/10/1995	O632780	SUB-LEASE	
24/11/1997	3606800	LEASE	EDITION 5
29/1/1999	5556131	LEASE	EDITION 6
27/6/2001	7722641	TRANSFER OF LEASE	
13/3/2003	9448036	LEASE	EDITION 7
23/11/2005	AB933461	LEASE	EDITION 8
2/9/2008	AE187602	LEASE	EDITION 9
21/2/2011	AG77543	CAVEAT	
21/3/2011	AG130606	DISCHARGE OF MORTGAGE	
21/3/2011	AG130607	REQUEST	EDITION 10
1/6/2011	AG243989	LEASE	EDITION 11

END OF PAGE 1 - CONTINUED OVER

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:22AM

FOLIO: 11/9142

PAGE 2

<u>Recorded</u>	<u>Number</u>	<u>Type of Instrument</u>	<u>C.T. Issue</u>
14/7/2011	AG366008	TRANSFER	
14/7/2011	AG366009	MORTGAGE	EDITION 12
8/9/2018	AN695391	DEPARTMENTAL DEALING	EDITION 13 CORD ISSUED

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:24AM

FOLIO: 12/9142

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 2976 FOL 43

Recorded	Number	Type of Instrument	C.T. Issue
18/2/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
6/12/1990		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
18/12/1990	Z373074	DISCHARGE OF MORTGAGE	
18/12/1990	Z373075	TRANSFER	EDITION 1
12/10/1992	E819067	MORTGAGE	EDITION 2
27/10/1995	O644037	DEPARTMENTAL DEALING	EDITION 3
24/11/1997	3606800	LEASE	EDITION 4
29/1/1999	5556131	LEASE	EDITION 5
27/6/2001	7722641	TRANSFER OF LEASE	
13/3/2003	9448036	LEASE	EDITION 6
23/11/2005	AB933461	LEASE	EDITION 7
2/9/2008	AE187602	LEASE	EDITION 8
21/2/2011	AG77543	CAVEAT	
21/3/2011	AG130606	DISCHARGE OF MORTGAGE	
21/3/2011	AG130607	REQUEST	EDITION 9
1/6/2011	AG243989	LEASE	EDITION 10
14/7/2011	AG366008	TRANSFER	
14/7/2011	AG366009	MORTGAGE	EDITION 11
8/9/2018	AN695391	DEPARTMENTAL DEALING	EDITION 12 CORD ISSUED

\*\*\* END OF SEARCH \*\*\*

advlegs

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NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

24/10/2018 9:33AM

FOLIO: B/407002

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 8300 FOL 223

Recorded	Number	Type of Instrument	C.T. Issue
31/8/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
11/10/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
19/5/1992	E466074	DISCHARGE OF MORTGAGE	
19/5/1992	E466075	TRANSFER	
19/5/1992	E466076	MORTGAGE	EDITION 1
3/9/1993	I622696	TRANSMISSION APPLICATION	EDITION 2
20/5/1994	U281986	DISCHARGE OF MORTGAGE	EDITION 3
8/8/1995	O441739	MORTGAGE	EDITION 4
9/6/2004	AA710417	DISCHARGE OF MORTGAGE	
9/6/2004	AA710418	MORTGAGE	EDITION 5
19/6/2015	AJ580876	CAVEAT	
4/11/2015	AJ957241	DISCHARGE OF MORTGAGE	EDITION 6
16/1/2016	AK139959	TRANSFER	
16/1/2016	AK139960	MORTGAGE	EDITION 7
8/9/2018	AN695391	DEPARTMENTAL DEALING	EDITION 8 CORD ISSUED

\*\*\* END OF SEARCH \*\*\*

advlegs

PRINTED ON 24/10/2018



Z  
3  
0  
3  
6  
0  
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Z

Plan Drawing only to appear in this space

Plan Drawing only to appear in this space

## COUNCIL'S CERTIFICATE

The Council of the City of Botany, Shire of Botany, having satisfied itself that the requirements of the Strata Titles Act, 1973 (other than the requirements for the registration of plans) have been complied with, approves of the proposed

- strata plan
- strata plan of subdivision

illustrated herein.

\*Council does not object to the encroachment of the building beyond the alignment of

\*This approval is given on the condition that lot(s)

is/are subject to the restriction on user referred to in section 39 of the Strata Titles Act, 1973

Date: 10.11.94

Subdivision No. 16/94

Council Clerk.

\*Complete, or delete if inapplicable.

## SURVEYOR'S CERTIFICATE

PAUL ANTHONY HOMANN & ASSOC P/L  
PO BOX 183 LIVERPOOL 2170 NSW  
a surveyor registered under the Surveyors Act 1929, hereby certify that:

- (1) any wall, the inner surface or any part of which corresponds substantially with any line shown on the accompanying floor plan as a boundary of a proposed lot, exists;
- (2) any floor or ceiling, the upper or under surface or any part of which forms a boundary of a proposed lot, shown in the accompanying floor plan, exists;
- (3) any wall, floor, ceiling or structural cubic space, by reference to which any boundary of a proposed lot shown in the accompanying floor plan is defined, exists;
- (4) any building containing proposed lots erected on the land shown on the accompanying location plan and each proposed lot shown on the accompanying floor plan are wholly within the perimeter of the parcel, except to the extent that:

- (a) the building encroaches on a public place;
- (b) the building encroaches on land other than a public place, in respect of which encroachment an appropriate easement
- has been created by registered
- is to be created under section 88B of the Conveyancing Act 1919.

- (5) the survey information recorded in the accompanying location plan is accurate.

Signature: Paul Homann

Date: 11 July 1994

\* Delete if inapplicable  
† State whether dealing or plan, and quote registered number.

This is sheet 1 of my Plan in 3 sheets.

## PLAN OF SUBDIVISION OF LOTS 4,5+6 DP 9142 AND LOTS 6,7,8+9 DP 26242

Mun./Shire City : BOTANY

Locality : MASCOT

Parish : BOTANY

County : CUMBERLAND

Reduction Ratio 1: 500

Lengths are in metres



## STRATA PLAN 48926

Registered: 14-3-1995

CA: N° 16/94 of 10.11.1994

Purpose: STRATA PLAN

Ref. Map: U0937-32\*

Last Plan: DP 262142, DP 9142

Name of, and \*address for service of notices on, the body corporate  
\*Address required on original strata plan only.

THE PROPRIETORS  
STRATA PLAN N° 48926  
221-223 O'RIORDAN STREET  
MASCOT 2020

Signatures, seals and statements of intention to create easements, restrictions on the use of land or positive covenants.

Signature of the Proprietor of the Perpetual Trustee Company Limited

Signature of the Proprietor of the Perpetual Trustee Company Limited

Signature of the Proprietor of the Perpetual Trustee Company Limited

Signature of the Proprietor of the Perpetual Trustee Company Limited

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Signature of the Proprietor of the Perpetual Trustee Company Limited

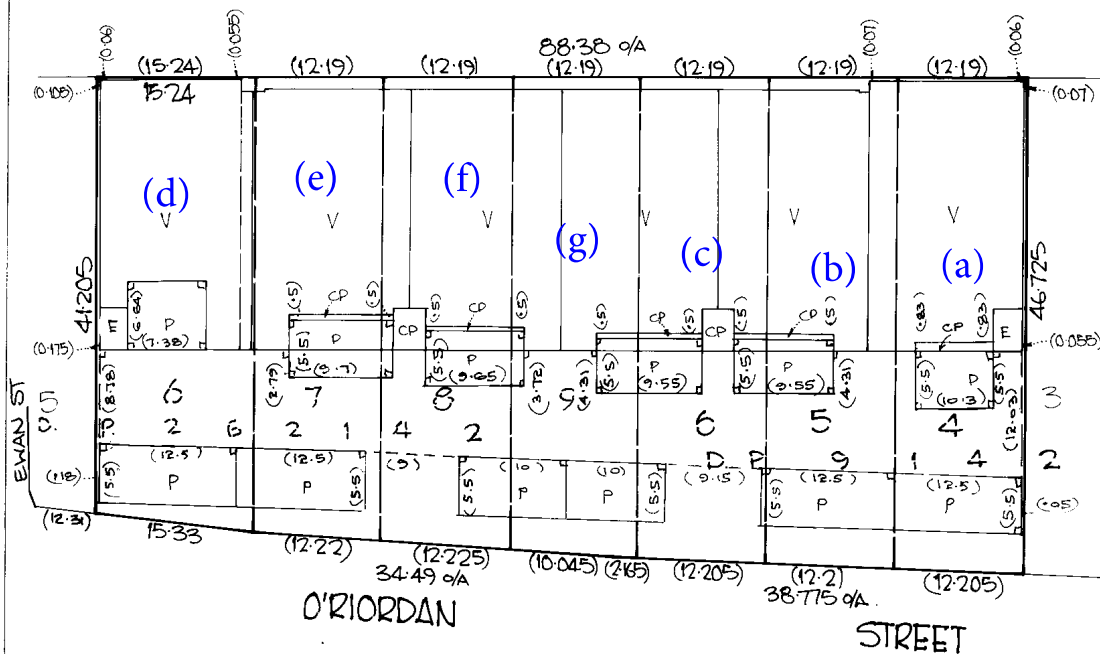
Signature of the Proprietor of the Perpetual Trustee Company Limited

Signature of the Proprietor of the Perpetual Trustee Company Limited

Signature of the Proprietor of the Perpetual Trustee Company Limited

Signature of the Proprietor of the Perpetual Trustee Company Limited

Signature of the Proprietor of the Perpetual Trustee Company Limited



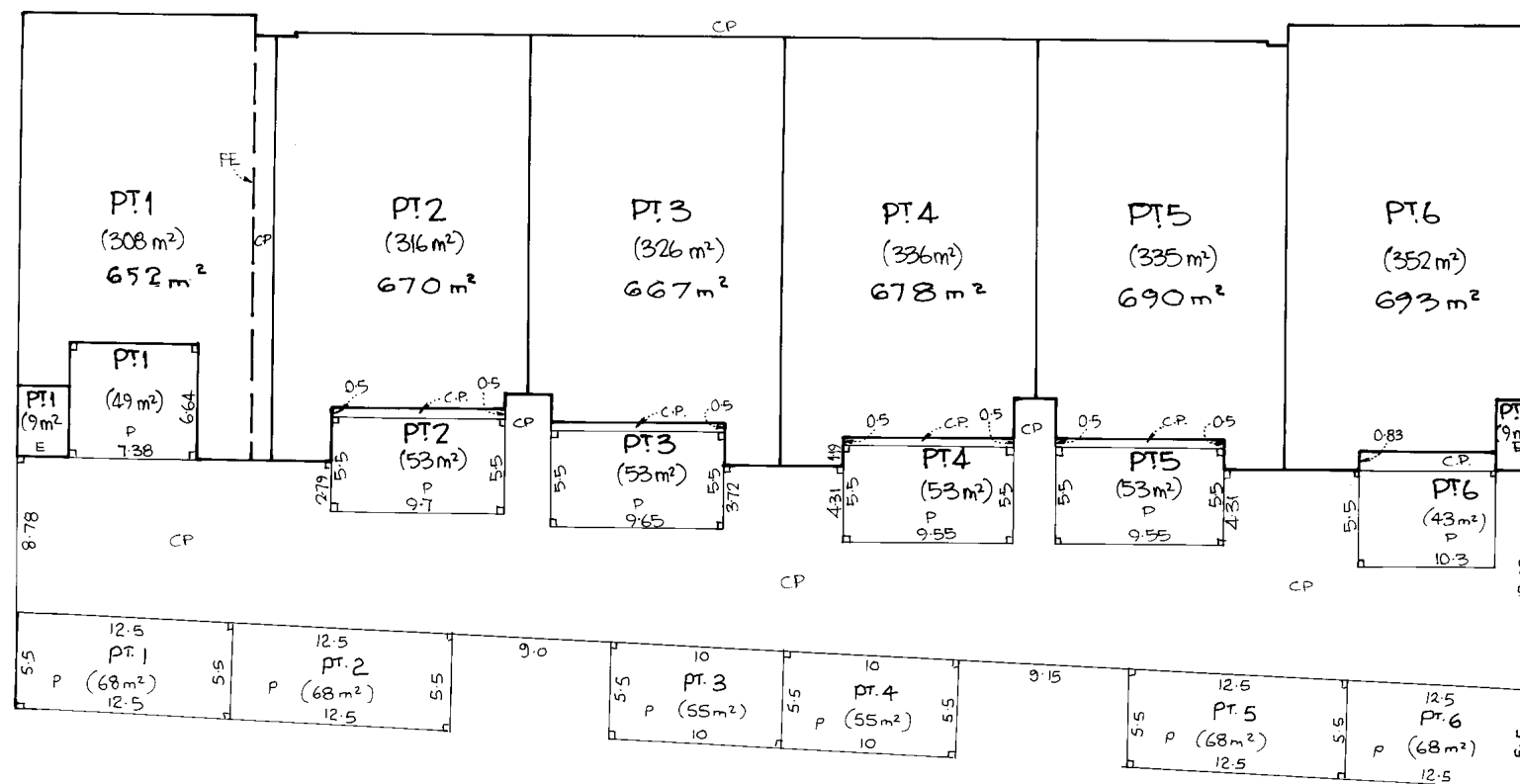
V - THREE STOREY BRICK FACTORY UNITS N° 221-223 O'RIORDAN ST. MASCOT  
CP - COMMON PROPERTY  
E - ENTRY P - CAR PARKING AREA

10	20	30	40	50	60	Table of mm	100	110	120	130	140	150	160
----	----	----	----	----	----	-------------	-----	-----	-----	-----	-----	-----	-----

SURVEYOR'S REFERENCE: 554 - 3713/6807

Plan Drawing only to appear in this space

STRATA PLAN 48926



GROUND FLOOR PLAN

P - CAR PARKING AREA  
 E - ENTRY  
 CP - COMMON PROPERTY  
 L - RIGHT ANGLE  
 FE - OUTER EDGE OF FIRE ESCAPE WALL  
 (FIRE ESCAPE IS COMMON PROPERTY)

NOTE: 1. LOT AREAS ARE APPROXIMATE

2. CAR PARKING AREAS WHERE NOT COVERED ARE LIMITED IN STRATUM TO 2 ABOVE AND 1 BELOW THE CONCRETE FLOOR OF THE GROUND FLOOR LEVEL OF THE ADJOINING LOT.

Reduction Ratio 1:300

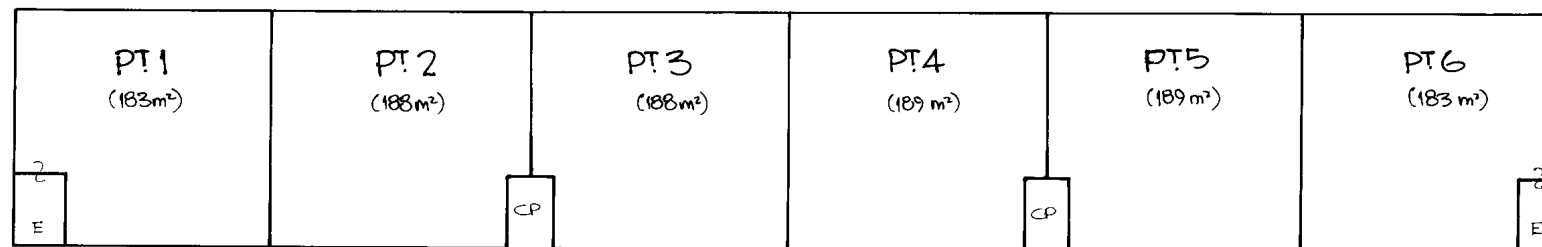
Lengths are in metres

*Raulthmann*  
 Registered Surveyor

*John*  
 Council Clerk

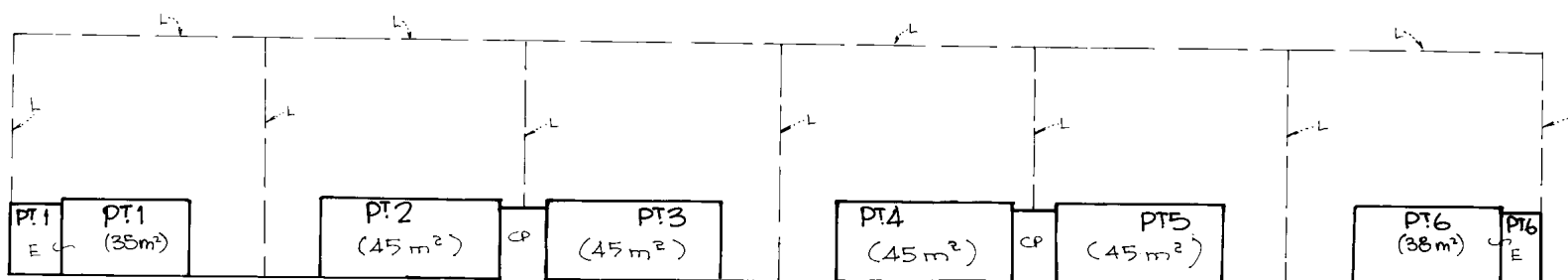
SURVEYOR'S REFERENCE: 554 - 3713/6807

STRATA PLAN 48926

SECOND FLOOR PLANSCHEDULE OF UNIT  
ENTITLEMENT

UNIT NO	ENTITLEMENT
1	10
2	10
3	10
4	10
5	10
6	10
AGGREGATE	60

NOTE: LOT AREAS ARE APPROXIMATE

FIRST FLOOR PLAN

CP - COMMON PROPERTY  
E - ENTRY  
L - LINE OF SECOND FLOOR OVER

Reduction Ratio 1:300

Lengths are in metres

*Paul Homann*  
Registered Surveyor

*J. J. J.*  
Council Clerk

SURVEYOR'S REFERENCE: 55A - 3713 / 6807



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/9142

SEARCH DATE	TIME	EDITION NO	DATE
24/10/2018	9:08 AM	6	8/9/2018

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO.  
CONTROL OF THE RIGHT TO DEAL IS HELD BY WESTPAC BANKING CORPORATION.

LAND

LOT 1 IN DEPOSITED PLAN 9142  
LOCAL GOVERNMENT AREA BAYSIDE  
PARISH OF BOTANY COUNTY OF CUMBERLAND  
TITLE DIAGRAM DP9142

FIRST SCHEDULE

DENCO PTY LIMITED  
MONASH DEVELOPMENTS PTY LIMITED  
TREND LIGHTING CO PTY LIMITED  
CASTEEL PTY LIMITED  
AS TENANTS IN COMMON IN EQUAL SHARES (T AI752620)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)  
2 AI752621 MORTGAGE TO WESTPAC BANKING CORPORATION

NOTATIONS

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

advlegs

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NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 2/9142

SEARCH DATE	TIME	EDITION NO	DATE
24/10/2018	9:09 AM	11	8/9/2018

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO.  
CONTROL OF THE RIGHT TO DEAL IS HELD BY WESTPAC BANKING CORPORATION.

LAND

LOT 2 IN DEPOSITED PLAN 9142  
LOCAL GOVERNMENT AREA BAYSIDE  
PARISH OF BOTANY COUNTY OF CUMBERLAND  
TITLE DIAGRAM DP9142

FIRST SCHEDULE

DENCO PTY LIMITED  
MONASH DEVELOPMENTS PTY LIMITED  
TREND LIGHTING CO PTY LIMITED  
CASTEEL PTY LIMITED  
AS TENANTS IN COMMON IN EQUAL SHARES (T AI752607)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)  
2 AI752610 MORTGAGE TO WESTPAC BANKING CORPORATION

NOTATIONS

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 3/9142

SEARCH DATE	TIME	EDITION NO	DATE
24/10/2018	9:10 AM	5	8/9/2018

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO.  
CONTROL OF THE RIGHT TO DEAL IS HELD BY WESTPAC BANKING CORPORATION.

LAND

LOT 3 IN DEPOSITED PLAN 9142  
LOCAL GOVERNMENT AREA BAYSIDE  
PARISH OF BOTANY COUNTY OF CUMBERLAND  
TITLE DIAGRAM DP9142

FIRST SCHEDULE

DENCO PTY LIMITED  
MONASH DEVELOPMENTS PTY LIMITED  
TREND LIGHTING CO PTY LIMITED  
CASTEEL PTY LIMITED  
AS TENANTS IN COMMON IN EQUAL SHARES (T AI753354)

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 AI753355 MORTGAGE TO WESTPAC BANKING CORPORATION

NOTATIONS

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 11/9142

SEARCH DATE	TIME	EDITION NO	DATE
24/10/2018	9:10 AM	13	8/9/2018

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO.  
CONTROL OF THE RIGHT TO DEAL IS HELD BY WESTPAC BANKING CORPORATION.

LAND

LOT 11 IN DEPOSITED PLAN 9142  
LOCAL GOVERNMENT AREA BAYSIDE  
PARISH OF BOTANY COUNTY OF CUMBERLAND  
TITLE DIAGRAM DP9142

FIRST SCHEDULE

TREND LIGHTING CO. PTY LTD  
MONASH DEVELOPMENTS PTY LTD  
DENCO PTY LTD  
CASTEEL PTY LTD  
AS TENANTS IN COMMON IN EQUAL SHARES (T AG366008)

SECOND SCHEDULE (5 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 T603635 LAND EXCLUDES THE ROAD(S) BEING LOT 15 IN DP262142
- 3 AE187602 LEASE TO INTERFREIGHT INTERNATIONAL PTY LIMITED OF  
OFFICE 1, FIRST FLOOR 1 EWAN STREET MASCOT. EXPIRES:  
17/8/2011.
- 4 AG243989 LEASE TO DIAMOND FINISH CAR WASH PTY LIMITED OF  
GROUND FLOOR, 1 EWAN STREET AND 235 O'RIORDAN STREET,  
MASCOT. EXPIRES: 31/3/2016. OPTION OF RENEWAL: 5 YEARS  
WITH A FURTHER PERIOD OF 5 YEARS.
- 5 AG366009 MORTGAGE TO WESTPAC BANKING CORPORATION

NOTATIONS

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH  
-----FOLIO: 12/9142  
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SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
24/10/2018	9:11 AM	12	8/9/2018

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO.  
CONTROL OF THE RIGHT TO DEAL IS HELD BY WESTPAC BANKING CORPORATION.

LAND  
-----

LOT 12 IN DEPOSITED PLAN 9142  
LOCAL GOVERNMENT AREA BAYSIDE  
PARISH OF BOTANY COUNTY OF CUMBERLAND  
TITLE DIAGRAM DP9142

FIRST SCHEDULE  
-----

TREND LIGHTING CO. PTY LTD  
MONASH DEVELOPMENTS PTY LTD  
DENCO PTY LTD  
CASTEEL PTY LTD  
AS TENANTS IN COMMON IN EQUAL SHARES (T AG366008)

SECOND SCHEDULE (4 NOTIFICATIONS)  
-----

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 AE187602 LEASE TO INTERFREIGHT INTERNATIONAL PTY LIMITED OF  
OFFICE 1, FIRST FLOOR 1 EWAN STREET MASCOT. EXPIRES:  
17/8/2011.
- 3 AG243989 LEASE TO DIAMOND FINISH CAR WASH PTY LIMITED OF  
GROUND FLOOR, 1 EWAN STREET AND 235 O'RIORDAN STREET,  
MASCOT. EXPIRES: 31/3/2016. OPTION OF RENEWAL: 5 YEARS  
WITH A FURTHER PERIOD OF 5 YEARS.
- 4 AG366009 MORTGAGE TO WESTPAC BANKING CORPORATION

NOTATIONS  
-----

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: B/407002

SEARCH DATE	TIME	EDITION NO	DATE
24/10/2018	9:13 AM	8	8/9/2018

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO.  
CONTROL OF THE RIGHT TO DEAL IS HELD BY WESTPAC BANKING CORPORATION.

LAND

LOT B IN DEPOSITED PLAN 407002  
LOCAL GOVERNMENT AREA BAYSIDE  
PARISH OF BOTANY COUNTY OF CUMBERLAND  
TITLE DIAGRAM DP407002

FIRST SCHEDULE

DENCO PTY LIMITED  
MONASH DEVELOPMENTS PTY LIMITED  
TREND LIGHTING CO PTY LIMITED  
CASTEEL PTY LIMITED  
AS TENANTS IN COMMON IN EQUAL SHARES (T AK139959)

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 AK139960 MORTGAGE TO WESTPAC BANKING CORPORATION

NOTATIONS

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

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NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: CP/SP48926

SEARCH DATE	TIME	EDITION NO	DATE
24/10/2018	9:12 AM	9	17/4/2013

LAND

THE COMMON PROPERTY IN THE STRATA SCHEME BASED ON STRATA PLAN 48926  
WITHIN THE PARCEL SHOWN IN THE TITLE DIAGRAM

AT MASCOT  
LOCAL GOVERNMENT AREA BAYSIDE  
PARISH OF BOTANY COUNTY OF CUMBERLAND  
TITLE DIAGRAM SHEET 1 SP48926

FIRST SCHEDULE

THE OWNERS - STRATA PLAN NO. 48926  
ADDRESS FOR SERVICE OF DOCUMENTS:  
THE PROPRIETORS SP48926  
221-223 O'RIORDAN STREET  
MASCOT 2020

SECOND SCHEDULE (10 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 ATTENTION IS DIRECTED TO BY-LAWS SET OUT IN SCHEDULE 2 STRATA  
SCHEMES MANAGEMENT REGULATION 2016
- 3 3064950 CHANGE OF BY-LAWS
- 4 AB253013 CHANGE OF BY-LAWS
- 5 AB921665 CHANGE OF BY-LAWS
- 6 AD780447 CHANGE OF BY-LAWS
- 7 AG21617 CHANGE OF BY-LAWS
- 8 AG449637 CHANGE OF BY-LAWS
- 9 AG921445 CHANGE OF BY-LAWS
- 10 AH673124 CHANGE OF BY-LAWS

SCHEDULE OF UNIT ENTITLEMENT (AGGREGATE: 60)

STRATA PLAN 48926

LOT	ENT	LOT	ENT	LOT	ENT	LOT	ENT
1	- 10	2	- 10	3	- 10	4	- 10
5	- 10	6	- 10				

NOTATIONS

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

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## **Section 10.7 Certificates**

AK  
02 NOV 2018



**Bayside Council**

Serving Our Community

**PLANNING CERTIFICATE  
UNDER SECTION 10.7(2)  
ENVIRONMENTAL PLANNING AND  
ASSESSMENT ACT, 1979**

**Certificate No : 2018/11654**

**Date : 22/10/2018**

**Receipt No : 16906415**

**Applicant Reference :**

This Section 10.7 Planning Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from the former City of Botany Bay Council.

**Property:**

**1/221-233 O'Riordan Street MASCOT 2020**

**Description: Lot: 1 SP: 48926**

**Parcel No: 12327**

**Applicant:**

**JK Group - EIS**

**PO Box 976**

**NORTH RYDE BC NSW 1670**

**Eastgardens Customer Service Centre**

Westfield Eastgardens  
152 Bunnerong Road  
Eastgardens NSW 2036, Australia  
ABN 80 690 785 443 Branch 004

**Rockdale Customer Service Centre**

444-446 Princes Highway  
Rockdale NSW 2216, Australia  
ABN 80 690 785 443 Branch 003  
DX 25308 Rockdale

**Phone 1300 581 299**

**T (02) 9562 1666 F 9562 1777**

**E [council@bayside.nsw.gov.au](mailto:council@bayside.nsw.gov.au)**

**W [www.bayside.nsw.gov.au](http://www.bayside.nsw.gov.au)**

**Postal address: PO Box 21, Rockdale NSW 2216**



**Telephone Interpreter Services - 131 450**

Τηλεφωνικές Υπηρεσίες Διερμηνέων

بخدمة الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон

---

**MATTERS PRESCRIBED UNDER THE ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979 AND THE ENVIRONMENTAL PLANNING & ASSESSMENT REGULATION 2000 TO BE INCLUDED IN SECTION 10.7(2) PLANNING CERTIFICATES.**

---

**1. NAMES OF RELEVANT PLANNING INSTRUMENTS AND DCPS**

- (1) The name of each environmental planning instrument that applies to the carrying out of development on the land.

*SEPP No. 19 – Bushland in Urban Areas*  
*SEPP No. 21 – Caravan Parks*  
*SEPP No. 30 – Intensive Agriculture*  
*SEPP No. 33 – Hazardous and Offensive Development*  
*SEPP No. 50 – Canal Estate Development*  
*SEPP No. 55 – Remediation of Land*  
*SEPP No. 62 – Sustainable Aquaculture*  
*SEPP No. 64 – Advertising and Signage*  
*SEPP No. 65 – Design Quality of Residential Apartment Development*  
*SEPP No. 70 – Affordable Housing - (Revised Schemes)*  
*SEPP (Housing for Seniors or People with a Disability) 2004*  
*SEPP (Building Sustainability Index: BASIX) 2004*  
*SEPP (State Significant Precincts) 2005*  
*SEPP (Infrastructure) 2007*  
*SEPP (Mining, Petroleum Production and Extractive Industries) 2007*  
*SEPP (Exempt and Complying Development Codes) 2008*  
*SEPP (Affordable Rental Housing) 2009*  
*SEPP (State & Regional Development) 2011*  
*SEPP (Three Ports) 2013*  
*SEPP (Miscellaneous Consent Provisions) 2007*  
*SEPP (Vegetation in Non-Rural Areas) 2017*  
*SEPP (Educational Establishments and Child Care Facilities) 2017*  
*SEPP (Vegetation in Non-Rural Areas) 2017*  
*SEPP (Educational Establishments and Child Care Facilities) 2017*  
*SEPP (Coastal Management) 2018*

*Botany Bay Local Environmental Plan 2013*

- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved).

*The following proposed environmental planning instruments apply:*

*Draft SEPP – Remediation of Land*  
*Draft SEPP – (Three Ports) 2013*

*Planning Proposal No. 1/2013 - seeks to rezone Nos. 2-10 McFall Street and 1 Bay Street, Botany to B7 – Business Park under the Botany Bay Local Environmental Plan 2013; and prohibit development for the purposes of container depots under the State Environmental Planning Policy (Three Ports) 2013 within the wider Hale Street Industrial Precinct bounded by Hale Street, Byrnes Street and Erith Street. Please refer to Attachment 3 to the rear of the Certificate for additional information.*

- (3) **The name of each development control plan that applies to the carrying out of development on the land.**

*The Botany Bay Development Control Plan 2013 applies to the carrying out of development on the land.*

*Please refer to Attachment No. 2 titled: Botany Bay Development Control Plan 2013 at the end of the Section 10.7(2) Planning Certificate for more information.*

- (4) **In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or draft environmental planning instrument.**

## **2. ZONING AND LAND USE UNDER RELEVANT LEPS**

**For each environmental planning instrument or proposed instrument referred to in clause 1 (other than a SEPP or proposed SEPP) that includes the land in any zone (however described):**

- (a) **The identity of the zone, whether by reference to a name (such as "Residential Zone" or "Heritage Area") or by reference to a number (such as "Zone No 2 (a)"),**
- (b) **the purposes for which the instrument provides that development may be carried out within the zone without the need for development consent,**
- (c) **the purposes for which the instrument provides that development may not be carried out within the zone except with development consent,**
- (d) **the purposes for which the instrument provides that development is prohibited within the zone,**

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**Identity of the zone affected by the environmental planning instrument or proposed instrument on the above mentioned land.**

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- (a) **Zone B5 Business Development**
- (b) **Development which may be carried out without development consent**

*Nil*



**(c) Development which may be carried out only with development consent**

*Bulky goods premises; Child care centres; Food and drink premises; Garden centres; Hardware and building supplies; High technology industries; Landscaping material supplies; Neighbourhood shops; Passenger transport facilities; Respite day care centres; Roads; Vehicle sales or hire premises; Warehouse or distribution centres; Any other development not specified in item (b) or (d).*

**(d) Development which is prohibited**

*Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Eco-tourist facilities; Electricity generating works; Environmental facilities; Environmental protection works; Exhibition homes; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Helipads; Highway service centres; Home-based child care; Home businesses; Home occupations; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Mortuaries; Open cut mining; Port facilities; Recreation facilities (major); Recreation facilities (outdoor); Research stations; Residential accommodation; Resource recovery facilities; Restricted premises; Retail premises; Rural industries; Sewage treatment plants; Sex services premises; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Veterinary hospitals; Waste disposal facilities; Water recreation structures; Water recycling facilities; Water supply systems; Wharf or boating facilities; Wholesale supplies*

**Note:** Some of the uses listed in (c) are only permitted in certain circumstances. Please refer to the provisions of Botany Bay Local Environmental Plan 2013, especially Part 6, for additional information on permissibility of individual land uses specified in answer (c).

**(e) Whether any development standards applying to the land that fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed,**

NO

**Note:** There are no development standards applying to an existing allotment of land that fix minimum land dimensions for the erection of a dwelling house.

**(f) Does the land include or comprise critical habitat?**

NO

**(g) Is the land in a conservation area?**

NO

- (h) Is an item of environmental heritage situated on the land?

NO

## **2A. ZONING AND LANDUSE UNDER STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006**

To the extent that the land is within any zone (however described) under:

- (a) Part 3 of the State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (the 2006 SEPP), or
- (b) a Precinct Plan (within the meaning of the 2006 SEPP), or
- (c) a proposed Precinct Plan that is or has been the subject of community consultation or on public exhibition under the Act,

the particulars referred to in clause 2 (a)–(h) in relation to that land (with a reference to “the instrument” in any of those paragraphs being read as a reference to Part 3 of the 2006 SEPP, or the Precinct Plan or proposed Precinct Plan, as the case requires).

*The land is not affected by the provisions of State Environmental Planning Policy (Sydney Region Growth Centres) 2006.*

## **3. COMPLYING DEVELOPMENT**

- (1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.
- (2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

**Disclaimer:** This certificate only responds to the preliminary question whether complying development may be carried out on the land under each of the codes for complying development under the State Environmental Planning Policy (Exempt & Complying Development Codes) 2008 ("the Policy") or whether such development is excluded because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and

1.19 of the Policy. If this certificate states that complying development may be carried out on the land under a code, particular development must also comply with the other development specific requirements of the Policy including minimum site area, minimum frontage and zoning.

Failure of the proposed development to comply with any of those specific requirements may preclude it from being complying development under the Policy.

**Note:** Under Clause 1.17A (1) (a) to be complying development for the purposes of any environmental planning instrument, the development must not:

- (a) be development for which development consent cannot be granted except with the concurrence of a person other than:
  - (i) the consent authority, or
  - (ii) the Director-General of the Department of Environment, Climate Change and Water as referred to in Section 4.13(3) of the Act.

**(a) the General Housing Code**



**NO.** *Complying development under the General Housing Code may not be carried out on the land.*

*Please refer to the following reason why Complying Development may not be carried out on this land under the provisions of Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of the Codes SEPP.*

**REASON**



*The land is identified on an Acid Sulfate Soils Map as being Class 1 or Class 2.*



*The land is in the 25 ANEF contour or a higher ANEF contour, unless the development is only for the erection of ancillary development, the alteration of or an addition to ancillary development or the alteration of a dwelling house.*

**(b) the Rural Housing Code**

*The Rural Housing Code is not applicable.*

**(c) the Housing Alterations Code**



**YES.** *None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Housing Alterations Code under the Codes SEPP.*

**(d) the General Development Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the General Development Code under the Codes SEPP.

**(e) the Commercial and Industrial Alterations Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Commercial and Industrial Alterations Code under the Codes SEPP.

**(f) the Commercial and Industrial (New Buildings and Additions) Code**



**NO.** Complying development under the Commercial and Industrial (New Buildings and Additions) Code may not be carried out on the land.

Please refer to the following reason why Complying Development may not be carried out on this land under the provisions of Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of the Codes SEPP.

**REASON**



The land is identified on an Acid Sulfate Soils Map as being Class 1 or Class 2.

**(g) the Subdivisions Code**



**YES.** None of the matters raised in 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Subdivisions Code under the Codes SEPP.

**(h) the Demolition Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Demolition Code under the Codes SEPP.



**(i) the Fire Safety Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Fire Safety Code under the Codes SEPP.

**4. COASTAL PROTECTION**

**Repealed**

*Not applicable*

**4A. CERTAIN INFORMATION RELATING TO BEACHES AND COASTS**

**Repealed**

*Not applicable.*

**4B. ANNUAL CHARGES UNDER LOCAL GOVERNMENT ACT 1993 FOR COASTAL PROTECTION SERVICES THAT RELATE TO EXISTING COASTAL PROTECTION WORKS**

In relation to a coastal council—whether the owner (or any previous owner) of the land has consented in writing to the land being subject to annual charges under section 496B of the *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

Note. “Existing coastal protection works” are works to reduce the impact of coastal hazards on land (such as seawalls, revetments, groynes and beach nourishment) that existed before the commencement of section 553B of the Local Government Act 1993.

*Not applicable.*

**5. MINE SUBSIDENCE**

Whether or not the land is proclaimed to be a mine subsidence district within the meaning of section 15 of the *Mine Subsidence Compensation Act 1961*.

*NO*

**6. ROAD WIDENING AND ROAD REALIGNMENT**

Whether or not the land is affected by any road widening or road realignment under:

(a) Division 2 of Part 3 of the *Roads Act 1993*, or

*NO*

- (b) any environmental planning instrument, or

NO

- (c) any resolution of the council.

NO

## **7. COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK RESTRICTIONS**

**Whether or not the land is affected by a policy:**

- (a) adopted by the council, or
- (b) adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the council,

**that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).**

*The land is affected by Airport Line Tunnel Protection Guidelines - Zone of Influence. Please refer to RailCorp at Transport for NSW for more information.*

*Clause 6.1 of the Botany Bay Local Environmental Plan 2013 - Acid Sulfate Soils*

*Clause 6.8 of the Botany Bay Local Environmental Plan 2013 - Airspace operations*

*Clause 6.9 of the Botany Bay Local Environmental Plan 2013 - Development in areas subject to aircraft noise*

*Botany Bay Development Control Plan 2013 - provisions of Part 3K - Contamination*

*Part 2 of Botany Bay Development Control Plan 2013 - any development application proposing a new structure within 10 metres either side (horizontally or vertically) of the "line of sight" (as detailed in Figures 2 & 3 of Part 2 of the DCP) requires referral to Sydney Ports Corporation for review and comment, to ensure that the proposed development does not impact on the Vessel Traffic Service system. Refer to Part 2 of the DCP for more information.*

*Part 3M of the Botany Bay Development Control Plan 2013 applies to land that drains into the Botany wetlands or has the potential to adversely affect the wetlands. Refer to Part 3M of the DCP for more information.*

*Part 3J of the Botany Bay Development Control Plan 2013 applies to the land. This Part provides a means of assessing the effect of aircraft noise on development proposals by utilising an appropriately endorsed Australian Noise Exposure Forecast (ANEF) chart that takes into account long-term operating procedures and air traffic forecasts at Sydney (Kingsford-Smith) Airport. This Part also provides potential applicants with an understanding of the predicted level of the potential height limits due to prescribed airspace on proposed development sites and the potential for proposed developments to cause mechanical windshear.*

*The subject property is located within a 25-30 ANEF contour under the Australian Noise Exposure Forecast 2033 (ANEF) Chart adopted by the former City of Botany Bay Council on 27 March 2013. For the consequences of development on the subject property within such an affectation please refer to the Botany Bay Development Control Plan 2013 which can be inspected at Council's Offices or accessed on the former City of Botany Bay Council's website at [www.botanybay.nsw.gov.au](http://www.botanybay.nsw.gov.au).*

**Note:**

*Where Council has no formal policy adopted by a resolution of Council to restrict the development due to risk, Council is prepared to volunteer some information relevant to the land. Please refer to the Section 10.7 (5) planning certificate.*

**Note:**

*In relation to tidal inundation Council is prepared to provide further information upon application to it for a certificate under Section 10.7(5).*

## **7A. FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION**

- (1) **Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.**

NO

- (2) **Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.**

NO

- (3) **Words and expressions in this clause have the same meanings as in the instrument set out in the Schedule to the Standard Instrument (Local Environmental Plans) Order 2006.**

**Note:** *If the land has not been identified as being subject to flood related development controls, it does not mean that your property is not subject to flooding/local inundation. The former City of Botany Bay Council has not at this time adopted a formal policy by resolution whereby flood related development controls are imposed. Bayside Council is prepared to volunteer some further information relevant to the land. Please refer to the Section 10.7(5) Planning Certificate.*

## **8. LAND RESERVED FOR ACQUISITION**

**Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.**

NO



## 9. CONTRIBUTIONS PLANS

The name of each contributions plan applying to the land.

*City of Botany Bay Section 94 Development Contributions Plan 2016. City of Botany Bay Section 94A Development Contributions Plan 2016.*

**Note:**

For a copy of the plans please access the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au/Planning-Business/Planning-Controls-Policies/Development-Contribution-Plan>

## 9A. BIODIVERSITY CERTIFIED LAND

Is the land biodiversity certified land (within the meaning of Part 7AA of the Threatened Species Conservation Act 1995)?

NO

## 10. BIOBANKING AGREEMENTS

Has Council been notified by the Chief Executive of the Office of Environment and Heritage of the existence of a biobanking agreement under Part 7A of the Threatened Species Conservation Act 1995 that applies to the land to which the certificate relates?

NO

## 11. BUSH FIRE PRONE LAND

Is any of the land bush fire prone land (as defined in the Act)?

NO

## 12. PROPERTY VEGETATION PLANS

Has Council been notified by an approved person or body of the existence of a property vegetation plan under the Native Vegetation Act 2003 that applies to the land to which the certificate relates?

NO

**13. ORDERS UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006**

Whether Council has been notified of an order that has been made under the Trees (Disputes Between Neighbours) Act 2006 to carry out work in relation to a tree on the land to which the certificate relates?

NO

**14 DIRECTIONS UNDER PART 3A**

Is there a direction by the Minister in force under section 75P (2) (c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect on the land to which the certificate relates?

NO

**15. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR SENIORS HOUSING**

- (a) Whether there is a current site compatibility certificate (of which Council is aware) issued under clause 25 of State Environmental Policy (Housing for Seniors or People with a Disability) 2004 in respect of proposed development on the land?

NO

- (b) If a development application granted after 11 October 2007 in respect of the land, includes as a condition of consent any terms of a kind referred to in clause 18(2) of State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004?

NO

**16. SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE**

Whether there is a valid site compatibility certificate (of which Council is aware), issued under clause 19 of State Environmental Planning Policy (Infrastructure) 2007 in respect of proposed development on the land?

NO

## **17. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE RENTAL HOUSING**

- (a) Whether there is a current site compatibility certificate (affordable rental housing), of which Council is aware, in respect of proposed development on the land?

*NO*

- (b) If a condition of consent to a development application in respect of the land includes the terms of a kind referred to in clause 17(1) or 38(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009?

*NO*

## **18. PAPER SUBDIVISION INFORMATION**

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.
- (2) The date of any subdivision order that applies to the land.
- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

*Not applicable.*

## **19. SITE VERIFICATION CERTIFICATES**

Whether there is a current site verification certificate, of which the council is aware, in respect of the land and, if there is a certificate, the statement is to include:

- (a) The matter certified by the certificate, and

*NO*

**Note:** A site verification certificate sets out the Secretary's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land—see Division 3 of Part 4AA of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.

- (b) The date on which the certificate ceases to be current (if any), and

*NO*

- (c) That a copy may be obtained from the head office of the Department of Planning and Environment.

*NO*

## 20. LOOSE-FILL ASBESTOS INSULATION

If the land includes any residential premises (within the meaning of Division 1A of Part 8 of the *Home Building Act 1989*) that are listed on the register that is required to be maintained under that Division, a statement to that effect.

*Not applicable.*

**Note:** The register referred to in this question is the *Loose-Fill Asbestos Insulation Register*, which is maintained by the Secretary of NSW Fair Trading.

## 21. AFFECTED BUILDING NOTICES AND BUILDING PRODUCT RECTIFICATION ORDERS

(1) A statement of whether there is any affected building notice of which the Council is aware that is in force in respect of the land.

(2) A statement of:

- (a) Where there is any building product rectification order of which the Council is aware that is in force in respect of the land and has not been fully complied with, and
- (b) Whether any notice of intention to make a building product rectification order of which the Council is aware has been given in respect of the land and is outstanding

(3) In this clause.

*affected building notice has the same meaning as Part 4 of the Building Products (Safety) Act 2017.*

*Building product rectification order has the same meaning as in the Building Products (Safety) Act 2017*

*Council is not aware of an issue of a notice of intention or order pertaining to building product rectification works.*

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**MATTERS PRESCRIBED BY ACTS OTHER THAN THE ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979 TO BE INCLUDED IN SECTION 10.7(2) PLANNING CERTIFICATES.**

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**1. MATTERS PRESCRIBED BY SECTION 59(2) OF THE CONTAMINATED LAND MANAGEMENT ACT 1997 AS ADDITIONAL MATTERS TO BE SPECIFIED IN A PLANNING CERTIFICATE.**

Section 59(2) of the Contaminated Land Management Act 1997 prescribes the following additional matters that are to be specified in a planning certificate:

- (a) That the land to which the certificate relates is significantly contaminated land, if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued,

*NO*

- (b) that the land to which the certificate relates is subject to a management order, if it is subject to such an order at the date when the certificate is issued,

*NO*

- (c) that the land to which the certificate relates is the subject of an approved voluntary management proposal, if it is the subject of an approved proposal at the date when the certificate is issued,

*NO*

- (d) that the land to which this certificate relates is subject to an ongoing maintenance order, if it is subject to such an order at the date when the certificate is issued,

*NO*

- (e) that the land to which this certificate relates is the subject of a site audit statement, if a copy of such statement has been provided at any time to the local authority issuing the certificate,

*NO*

**Notes:**

- (1) Section 53B requires site auditors to furnish local authorities with copies of site audit statements relating to site audits for the purposes of statutory requirements.
- (2) The information provided in (a) to (d) above is based on information provided by the Office of Environment and Heritage to the former City of Botany Bay Council.
- (3) Any queries regarding the advice provided in (a) to (d) please contact the Office of Environment and Heritage on (02) 9995 5000.

### **Note No. 1**

After the issue of this certificate Council may be prepared to provide up-to-date oral information to the applicant about matters disclosed in this certificate but if it does so Council accepts no responsibility whatsoever for the accuracy of the oral information given and no employee of the Council is authorised to bind Council by the giving of such oral information.

This information is provided pursuant to section 10.7 (2) of the Environmental Planning and Assessment (EPA) Act 1979 as prescribed by Schedule 4 of the EPA Regulations 2000 and is applicable as of the date of this certificate.

It is your responsibility to read all attachments to this Section 10.7 Planning Certificate.

### **Additional matters pursuant to Section 10.7 (5)**

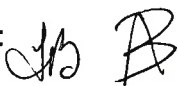
Additional information provided pursuant to section 10.7 (5) of the EPA Act 1979, is available upon application and payment of the prescribed fee. Advice will be provided for the following additional matters not included under Section 10.7 (2) in accordance with Section 10.7 (5) and 10.7 (6) of the Act:

- (a) information that indicates whether or not any additional hazards exist for which no policy of council exists to restrict development;
- (b) whether or not the land is affected by a Tree Preservation Order;
- (c) whether or not there are building height restrictions as a result of the operations of the Sydney Airport; and
- (d) restrictions on the use of groundwater contained within the Botany Sands Aquifer.

---

MEREDITH WALLACE  
**General Manager**  
**Bayside Council**

Per :





## **ATTACHMENT NO. 1**

### **BOTANY BAY LOCAL ENVIRONMENTAL PLAN 2013**

The Botany Bay Local Environmental Plan 2013 was gazetted on 21 June 2013. The Botany Bay Local Environmental Plan 2013 replaces the Botany Local Environmental Plan 1995. The Botany Bay Local Environmental Plan 2013 is a statutory planning document that sets the direction for growth in the former City of Botany Bay.

The Botany Bay Local Environmental Plan 2013 is consistent with the Standard Instrument, which was introduced by the State Government in March 2006.

The Botany Bay Local Environmental Plan 2013 applies to all land within the former City of Botany Bay, except for the following:

1. Industrial lands covered by the State Environmental Planning Policy (Three Ports) 2013. This Policy largely relates to industrial land at Banksmeadow and provides the planning controls for development within the land affected by the SEPP – ie the Hale Street and Banksmeadow Industrial Precincts. A copy of State Environmental Planning Policy (Three Ports) 2013 is available on the NSW State Government's legislation website: [www.legislation.nsw.gov.au](http://www.legislation.nsw.gov.au); and
2. Lands identified as "Deferred matter" on the Land Application Map, being land to which the Botany Local Environmental Plan 1995 still applies, as follows:
  - o 26 Tupia Street, Botany;
  - o 2, 4, 10, 12, 14, 16 & 18 Macintosh Street & 862, 864, 866 & 868 Botany Road, Mascot; and
  - o Lot 6 DP.776212, land at corner of Wentworth Avenue and Dransfield Avenue, Mascot.

The BBLEP 2013 comprises of two parts:

- Written instrument; and
- Maps

The written instrument and maps need to be viewed together to understand the provisions for your property. Detailed planning controls supporting the BBLEP 2013 are contained within the Botany Bay Development Control Plan 2013. Further information is available at <http://www.botanybay.nsw.gov.au>.

## **ATTACHMENT NO. 2**

### **BOTANY BAY DEVELOPMENT CONTROL PLAN 2013**

The Botany Bay Development Control Plan 2013 was adopted by the former City of Botany Bay Council on 11 December 2013 and came into effect on 17 December 2013.

The following amendments have been made to the Botany Bay Development Control Plan 2013:

- At its meeting held 9 December 2014, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 1). Amendment No. 1 involved a number of housekeeping changes to the Botany Bay Development Control Plan 2013. The amendment came into effect on 16 December 2014.
- At its meeting held 26 August 2015, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 2). Amendment No. 2 inserted a new Planning Framework diagram into Part 9A (Mascot Station Town Centre Precinct) and a revised Wilson-Pemberton Planning Framework diagram in Part 9C of the Botany Bay Development Control Plan 2013. The amendment came into effect on 8 September 2015.
- At its meeting held 24 February 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment Nos. 3 and 4) under Clause 21(1)(b) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 3 amended Part 4C and Part 9A with respect to the amendments to State Environmental Planning Policy No. 65 - Design Quality of Residential Apartment Development and the new Apartment Design Guide. Amendment No. 4 incorporated these changes and addressed a number of duplications and formatting issues, clarified definitions, and condensed and reshaped the document to be more succinct. The amendment came into effect on 8 March 2016.
- At its meeting held 23 March 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 5) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 5 introduced new controls regarding Secondary Dwellings and clarified the controls pertaining to all ancillary development and buildings to rear lanes in Part 4A – Dwelling Houses. The amendment came into effect on 5 April 2016.
- At its meeting held 20 July 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 6) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 6 deleted Urban Block 3 from *Part 9A – Mascot Station Town Centre Precinct* following concerns about the impacts of the proposed building forms on the amenity of the local heritage item I82 comprising Mascot Oval and Lionel Bowen Park. The amendment came into effect on 2 August 2016.
- At its meeting held 12 October 2016, Bayside Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 7) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 7 amended controls to ensure that caretaker dwellings are ancillary to an approved industrial or business use, and will only be used by a caretaker, owner or operator of an approved business on the site; do not compromise the integrity of industrial or business areas; and are appropriately designed. The amendment came into effect on 25 October 2016.

- At its meeting held 9 August 2017, Bayside Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 8) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 8 amended controls to address a number of duplications and formatting issues, to clarify definitions, to update references to external documents and to make implementation of the Development Control Plan simpler and easier. The amendment came into effect on 5 September 2017.

The DCP has been prepared as Council considers it necessary or desirable to provide the guidance referred to in section 3.42 and for other necessary or desirable purposes as contained within section 3.43 of the Environmental Planning and Assessment Act. The DCP will:

- (i) Guide future development within the former Botany Bay Local Government Area (LGA);
- (ii) Support the controls found within the Botany Bay Local Environmental Plan 2013; and
- (iii) Protect and enhance the public domain

The Comprehensive Botany Bay DCP 2013 replaces all the DCPs and Policies that apply to land that the BBLEP 2013 applies to, except for the following sites:

- 26 Tupia Street, Botany;
- 2, 4, 10, 12, 14, 16 and 18 Macintosh Street and 862, 864, 866 and 868 Botany Road, Mascot;
- Lot 6 DP.776212, land at corner of Wentworth Avenue and Dransfield Avenue, Mascot; and
- Land under State Environmental Planning Policy (Three Ports) 2013.

For more information please access the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au/Planning-Business/Planning-Controls-Policies/Botany-Bay-Comprehensive-Development-Control-Plan-2013>

## ATTACHMENT NO. 3

### PLANNING PROPOSALS THAT APPLY TO THE CARRYING OUT OF DEVELOPMENT ON THE LAND

**Community Consultation under Sections 3.34 and 57 of the Environmental Planning & Assessment Act 1979 for Planning Proposal No. 1/2013 – rezone 2-10 McFall Street and 1 Bay Street Botany and prohibit container depots on certain land zoned under SEPP (Three Ports) 2013**

At its meeting on 4 September 2013, the former City of Botany Bay Council resolved to prepare a Planning Proposal in accordance with the Environmental Planning & Assessment Act 1979 and Environmental Planning & Assessment Regulation 2000 to amend the Botany Bay Local Environmental Plan 2013.

#### **Objective**

The Planning Proposal seeks to:

- rezone Nos. 2-10 McFall Street and 1 Bay Street, Botany to B7 – Business Park under the Botany Bay Local Environmental Plan 2013; and
- prohibit development for the purposes of container depots under the State Environmental Planning Policy (Three Ports) 2013 within the wider Hale Street Industrial Precinct bounded by Hale Street, Byrnes Street and Erith Street.

#### **Intended Outcomes**

The intended outcomes of the Planning Proposal are to:

- correct a mapping anomaly contained in the Botany Bay Local Environmental Plan 2013;
- provide for airport-related facilities and development that support the operation of Sydney Airport;
- enable a range of light industrial and commercial (i.e. business and office) employment opportunities which are more compatible with the nearby residential uses and established character of the precinct;
- enable land uses which address the constraints of the precinct;
- improve the interface issues between existing employment land and adjoining residential development; and
- reduce heavy vehicle movement within the precinct, improving the pedestrian and cycling environment.

The former City of Botany Bay Council resolved on 5 November 2014 to place the Planning Proposal on community consultation.

The Planning Proposal was on community consultation from 18 November 2015 to 18 January 2016. Details on the status of the Planning Proposal can be found on the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au>.

**Note:** *Bayside Council is authorised to exercise the functions of the Minister for Planning under Section 3.34 of the Environmental Planning & Assessment Act 1979 in the making of the LEP.*



**PLANNING CERTIFICATE  
UNDER SECTION 10.7 (5)  
ENVIRONMENTAL PLANNING AND  
ASSESSMENT ACT, 1979**

**Certificate No : 11654**

**Date : 22/10/2018**

**Receipt No : 16906415**

**Applicant Reference:**

**Application No: 19047**

**Applicant:**

JK Group - EIS

PO Box 976

NORTH RYDE BC NSW 1670

**Property: 1/221-233 O'Riordan Street MASCOT 2020**

**Description: Lot: 1 SP: 48926**

**Parcel No: 12327**

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WHEN INFORMATION PROVIDED TO SECTION 10.7(5) IS REQUESTED THE COUNCIL IS UNDER NO OBLIGATION TO FURNISH ANY OF THE INFORMATION SUPPLIED HEREIN PURSUANT TO THAT SECTION. COUNCIL DRAWS YOUR ATTENTION TO SECTION 10.7(6), WHICH STATES THAT A COUNCIL SHALL NOT INCUR LIABILITY IN RESPECT OF ANY ADVICE PROVIDED IN GOOD FAITH PURSUANT TO SUB SECTION (5). THE ABSENCE OF ANY REFERENCE TO ANY OTHER MATTER AFFECTING THE LAND SHALL NOT IMPLY THAT THE LAND IS NOT AFFECTED BY ANY MATTER NOT REFERRED TO IN THIS CERTIFICATE.

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- (a) **Whether or not Council is aware of possible risk affection to the land for which no policy of Council exists to restrict development.**

*The former City of Botany Bay Council has information either through a flood study or through anecdotal evidence that flooding has occurred or is liable to occur on this land. However, Bayside Council does not have sufficient accurate ground level information to indicate the extent of the land that may be affected by flooding. An experienced stormwater consultant engineer may be able to assist in determining flood extents on the site and flood levels. In order to determine the extent of flooding Bayside Council may require as part of any future development application applicants to complete a flood study to determine the extent of flooding for this land.*

- (b) **Is the land affected by a Tree Preservation Order?**

YES

- (c) **Is the Council aware of possible height restrictions as a result of the operations of the Sydney Airport?**

YES

*The applicant should contact Sydney Airport Corporation Limited for further information.*

- (d) **Is the use of groundwater contained within the Botany Sands Aquifer restricted?**

*The NSW Office of Water has published a map showing areas where the use of groundwater is restricted to various degrees including total prohibition of use in a certain area.*

*The applicant should contact the Office of Water for further information on (02) 82817777 or <http://www.water.nsw.gov.au/Water-management/Water-quality/Groundwater/Botany-Sand-Beds-aquifer/Botany-Sands-Aquifer/default.aspx>*

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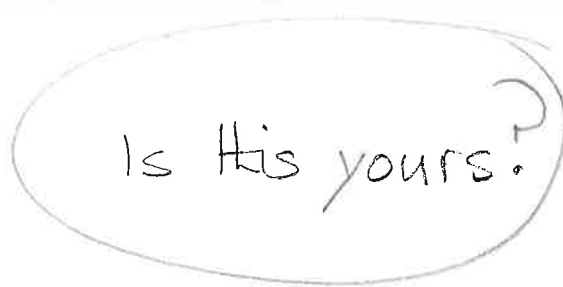
MEREDITH WALLACE  
General Manager  
Bayside Council

Per :





#4.



06 NOV 2018



**Bayside Council**  
Serving Our Community

**PLANNING CERTIFICATE  
UNDER SECTION 10.7(2)  
ENVIRONMENTAL PLANNING AND  
ASSESSMENT ACT, 1979**

**Certificate No : 2018/11656**  
**Date : 22/10/2018**  
**Receipt No : 16906415**  
**Applicant Reference :**

This Section 10.7 Planning Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from the former City of Botany Bay Council.

**Property:**  
**235 O'Riordan Street MASCOT 2020**  
**Description: Lot: 12 DP: 9142**  
**Parcel No: 12318**

**Applicant:**  
**JK Group - EIS**  
**PO Box 976**  
**NORTH RYDE BC NSW 1670**

**Eastgardens Customer Service Centre**  
Westfield Eastgardens  
152 Bunnerong Road  
Eastgardens NSW 2036, Australia  
ABN 80 690 785 443 Branch 004

**Rockdale Customer Service Centre**  
444-446 Princes Highway  
Rockdale NSW 2216, Australia  
ABN 80 690 785 443 Branch 003  
DX 25308 Rockdale

**Phone 1300 581 299**  
**T (02) 9562 1666 F 9562 1777**  
**E [council@bayside.nsw.gov.au](mailto:council@bayside.nsw.gov.au)**  
**W [www.bayside.nsw.gov.au](http://www.bayside.nsw.gov.au)**

**Postal address: PO Box 21, Rockdale NSW 2216**



**Telephone Interpreter Services - 131 450**

Τηλεφωνικές Υπηρεσίες Διερμηνέων

خدمة الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон



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## **MATTERS PRESCRIBED UNDER THE ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979 AND THE ENVIRONMENTAL PLANNING & ASSESSMENT REGULATION 2000 TO BE INCLUDED IN SECTION 10.7(2) PLANNING CERTIFICATES.**

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### **1. NAMES OF RELEVANT PLANNING INSTRUMENTS AND DCPS**

- (1) **The name of each environmental planning instrument that applies to the carrying out of development on the land.**

*SEPP No. 19 – Bushland in Urban Areas*  
*SEPP No. 21 – Caravan Parks*  
*SEPP No. 30 – Intensive Agriculture*  
*SEPP No. 33 – Hazardous and Offensive Development*  
*SEPP No. 50 – Canal Estate Development*  
*SEPP No. 55 – Remediation of Land*  
*SEPP No. 62 – Sustainable Aquaculture*  
*SEPP No. 64 – Advertising and Signage*  
*SEPP No. 65 – Design Quality of Residential Apartment Development*  
*SEPP No. 70 – Affordable Housing - (Revised Schemes)*  
*SEPP (Housing for Seniors or People with a Disability) 2004*  
*SEPP (Building Sustainability Index: BASIX) 2004*  
*SEPP (State Significant Precincts) 2005*  
*SEPP (Infrastructure) 2007*  
*SEPP (Mining, Petroleum Production and Extractive Industries) 2007*  
*SEPP (Exempt and Complying Development Codes) 2008*  
*SEPP (Affordable Rental Housing) 2009*  
*SEPP (State & Regional Development) 2011*  
*SEPP (Three Ports) 2013*  
*SEPP (Miscellaneous Consent Provisions) 2007*  
*SEPP (Vegetation in Non-Rural Areas) 2017*  
*SEPP (Educational Establishments and Child Care Facilities) 2017*  
*SEPP (Vegetation in Non-Rural Areas) 2017*  
*SEPP (Educational Establishments and Child Care Facilities) 2017*  
*SEPP (Coastal Management) 2018*

*Botany Bay Local Environmental Plan 2013*

- (2) **The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved).**

*The following proposed environmental planning instruments apply:*

*Draft SEPP – Remediation of Land*  
*Draft SEPP – (Three Ports) 2013*

*Planning Proposal No. 1/2013 - seeks to rezone Nos. 2-10 McFall Street and 1 Bay Street, Botany to B7 – Business Park under the Botany Bay Local Environmental Plan 2013; and prohibit development for the purposes of container depots under the State Environmental Planning Policy (Three Ports) 2013 within the wider Hale Street Industrial Precinct bounded by Hale Street, Byrnes Street and Erith Street. Please refer to Attachment 3 to the rear of the Certificate for additional information.*

- (3) The name of each development control plan that applies to the carrying out of development on the land.**

*The Botany Bay Development Control Plan 2013 applies to the carrying out of development on the land.*

*Please refer to Attachment No. 2 titled: Botany Bay Development Control Plan 2013 at the end of the Section 10.7(2) Planning Certificate for more information.*

- (4) In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or draft environmental planning instrument.**

## **2. ZONING AND LAND USE UNDER RELEVANT LEPS**

**For each environmental planning instrument or proposed instrument referred to in clause 1 (other than a SEPP or proposed SEPP) that includes the land in any zone (however described):**

- (a) The identity of the zone, whether by reference to a name (such as "Residential Zone" or "Heritage Area") or by reference to a number (such as "Zone No 2 (a)"),**
- (b) the purposes for which the instrument provides that development may be carried out within the zone without the need for development consent,**
- (c) the purposes for which the instrument provides that development may not be carried out within the zone except with development consent,**
- (d) the purposes for which the instrument provides that development is prohibited within the zone,**

---

**Identity of the zone affected by the environmental planning instrument or proposed instrument on the above mentioned land.**

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- (a) Zone B5 Business Development**
- (b) Development which may be carried out without development consent**

*Nil*

**(c) Development which may be carried out only with development consent**

*Bulky goods premises; Child care centres; Food and drink premises; Garden centres; Hardware and building supplies; High technology industries; Landscaping material supplies; Neighbourhood shops; Passenger transport facilities; Respite day care centres; Roads; Vehicle sales or hire premises; Warehouse or distribution centres; Any other development not specified in item (b) or (d).*

**(d) Development which is prohibited**

*Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Eco-tourist facilities; Electricity generating works; Environmental facilities; Environmental protection works; Exhibition homes; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Helipads; Highway service centres; Home-based child care; Home businesses; Home occupations; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Mortuaries; Open cut mining; Port facilities; Recreation facilities (major); Recreation facilities (outdoor); Research stations; Residential accommodation; Resource recovery facilities; Restricted premises; Retail premises; Rural industries; Sewage treatment plants; Sex services premises; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Veterinary hospitals; Waste disposal facilities; Water recreation structures; Water recycling facilities; Water supply systems; Wharf or boating facilities; Wholesale supplies*

**Note:** Some of the uses listed in (c) are only permitted in certain circumstances. Please refer to the provisions of Botany Bay Local Environmental Plan 2013, especially Part 6, for additional information on permissibility of individual land uses specified in answer (c).

**(e) Whether any development standards applying to the land that fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed,**

NO

**Note:** There are no development standards applying to an existing allotment of land that fix minimum land dimensions for the erection of a dwelling house.

**(f) Does the land include or comprise critical habitat?**

NO

**(g) Is the land in a conservation area?**

NO

- (h) Is an item of environmental heritage situated on the land?

NO

## 2A. ZONING AND LANDUSE UNDER STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006

To the extent that the land is within any zone (however described) under:

- (a) Part 3 of the State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (the 2006 SEPP), or
- (b) a Precinct Plan (within the meaning of the 2006 SEPP), or
- (c) a proposed Precinct Plan that is or has been the subject of community consultation or on public exhibition under the Act,

the particulars referred to in clause 2 (a)–(h) in relation to that land (with a reference to “the instrument” in any of those paragraphs being read as a reference to Part 3 of the 2006 SEPP, or the Precinct Plan or proposed Precinct Plan, as the case requires).

*The land is not affected by the provisions of State Environmental Planning Policy (Sydney Region Growth Centres) 2006.*

## 3. COMPLYING DEVELOPMENT

- (1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.
- (2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

**Disclaimer:** This certificate only responds to the preliminary question whether complying development may be carried out on the land under each of the codes for complying development under the State Environmental Planning Policy (Exempt & Complying Development Codes) 2008 ("the Policy") or whether such development is excluded because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and

1.19 of the Policy. If this certificate states that complying development may be carried out on the land under a code, particular development must also comply with the other development specific requirements of the Policy including minimum site area, minimum frontage and zoning.

Failure of the proposed development to comply with any of those specific requirements may preclude it from being complying development under the Policy.

**Note:** Under Clause 1.17A (1) (a) to be complying development for the purposes of any environmental planning instrument, the development must not:

- (a) be development for which development consent cannot be granted except with the concurrence of a person other than:
  - (i) the consent authority, or
  - (ii) the Director-General of the Department of Environment, Climate Change and Water as referred to in Section 4.13(3) of the Act.

**(a) the General Housing Code**



**NO.** Complying development under the General Housing Code may not be carried out on the land.

*Please refer to the following reason why Complying Development may not be carried out on this land under the provisions of Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of the Codes SEPP.*

**REASON**



The land is identified on an Acid Sulfate Soils Map as being Class 1 or Class 2.



The land is in the 25 ANEF contour or a higher ANEF contour, unless the development is only for the erection of ancillary development, the alteration of or an addition to ancillary development or the alteration of a dwelling house.

**(b) the Rural Housing Code**

*The Rural Housing Code is not applicable.*

**(c) the Housing Alterations Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Housing Alterations Code under the Codes SEPP.

**(d) the General Development Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the General Development Code under the Codes SEPP.

**(e) the Commercial and Industrial Alterations Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Commercial and Industrial Alterations Code under the Codes SEPP.

**(f) the Commercial and Industrial (New Buildings and Additions) Code**



**NO.** Complying development under the Commercial and Industrial (New Buildings and Additions) Code may not be carried out on the land.

Please refer to the following reason why Complying Development may not be carried out on this land under the provisions of Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of the Codes SEPP.

**REASON**



The land is identified on an Acid Sulfate Soils Map as being Class 1 or Class 2.

**(g) the Subdivisions Code**



**YES.** None of the matters raised in 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Subdivisions Code under the Codes SEPP.

**(h) the Demolition Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Demolition Code under the Codes SEPP.



**(i) the Fire Safety Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Fire Safety Code under the Codes SEPP.

**4. COASTAL PROTECTION**

**Repealed**

*Not applicable*

**4A. CERTAIN INFORMATION RELATING TO BEACHES AND COASTS**

**Repealed**

*Not applicable.*

**4B. ANNUAL CHARGES UNDER LOCAL GOVERNMENT ACT 1993 FOR COASTAL PROTECTION SERVICES THAT RELATE TO EXISTING COASTAL PROTECTION WORKS**

In relation to a coastal council—whether the owner (or any previous owner) of the land has consented in writing to the land being subject to annual charges under section 496B of the *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

Note. “Existing coastal protection works” are works to reduce the impact of coastal hazards on land (such as seawalls, revetments, groynes and beach nourishment) that existed before the commencement of section 553B of the Local Government Act 1993.

*Not applicable.*

**5. MINE SUBSIDENCE**

Whether or not the land is proclaimed to be a mine subsidence district within the meaning of section 15 of the *Mine Subsidence Compensation Act 1961*.

*NO*

**6. ROAD WIDENING AND ROAD REALIGNMENT**

Whether or not the land is affected by any road widening or road realignment under:

(a) Division 2 of Part 3 of the *Roads Act 1993*, or

*NO*



(b) any environmental planning instrument, or

NO

(c) any resolution of the council.

NO

## **7. COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK RESTRICTIONS**

Whether or not the land is affected by a policy:

(a) adopted by the council, or

(b) adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the council,

that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).

*Clause 6.1 of the Botany Bay Local Environmental Plan 2013 - Acid Sulfate Soils*

*Clause 6.8 of the Botany Bay Local Environmental Plan 2013 - Airspace operations*

*Clause 6.9 of the Botany Bay Local Environmental Plan 2013 - Development in areas subject to aircraft noise*

*Botany Bay Development Control Plan 2013 - provisions of Part 3K - Contamination*

*Part 2 of Botany Bay Development Control Plan 2013 - any development application proposing a new structure within 10 metres either side (horizontally or vertically) of the "line of sight" (as detailed in Figures 2 & 3 of Part 2 of the DCP) requires referral to Sydney Ports Corporation for review and comment, to ensure that the proposed development does not impact on the Vessel Traffic Service system. Refer to Part 2 of the DCP for more information.*

*Part 3M of the Botany Bay Development Control Plan 2013 applies to land that drains into the Botany wetlands or has the potential to adversely affect the wetlands. Refer to Part 3M of the DCP for more information.*

*Part 3J of the Botany Bay Development Control Plan 2013 applies to the land. This Part provides a means of assessing the effect of aircraft noise on development proposals by utilising an appropriately endorsed Australian Noise Exposure Forecast (ANEF) chart that takes into account long-term operating procedures and air traffic forecasts at Sydney (Kingsford-Smith) Airport. This Part also provides potential applicants with an understanding of the predicted level of the potential height limits due to prescribed airspace on proposed development sites and the potential for proposed developments to cause mechanical windshear.*

*The subject property is located within a 25-30 ANEF contour under the Australian Noise Exposure Forecast 2033 (ANEF) Chart adopted by the former City of Botany Bay Council on 27 March 2013. For the consequences of development on the subject property within such an affectation please refer to the Botany Bay Development Control Plan 2013 which can be inspected at Council's Offices or accessed on the former City of Botany Bay Council's website at [www.botanybay.nsw.gov.au](http://www.botanybay.nsw.gov.au).*

**Note:**

*Where Council has no formal policy adopted by a resolution of Council to restrict the development due to risk, Council is prepared to volunteer some information relevant to the land. Please refer to the Section 10.7 (5) planning certificate.*

**Note:**

*In relation to tidal inundation Council is prepared to provide further information upon application to it for a certificate under Section 10.7(5).*

## **7A. FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION**

- (1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.

NO

- (2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.

NO

- (3) Words and expressions in this clause have the same meanings as in the instrument set out in the Schedule to the Standard Instrument (Local Environmental Plans) Order 2006.

**Note:** *If the land has not been identified as being subject to flood related development controls, it does not mean that your property is not subject to flooding/local inundation. The former City of Botany Bay Council has not at this time adopted a formal policy by resolution whereby flood related development controls are imposed. Bayside Council is prepared to volunteer some further information relevant to the land. Please refer to the Section 10.7(5) Planning Certificate.*

## **8. LAND RESERVED FOR ACQUISITION**

**Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.**

NO

## 9. CONTRIBUTIONS PLANS

The name of each contributions plan applying to the land.

*City of Botany Bay Section 94 Development Contributions Plan 2016. City of Botany Bay Section 94A Development Contributions Plan 2016.*

**Note:**

For a copy of the plans please access the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au/Planning-Business/Planning-Controls-Policies/Development-Contribution-Plan>

## 9A. BIODIVERSITY CERTIFIED LAND

Is the land biodiversity certified land (within the meaning of Part 7AA of the Threatened Species Conservation Act 1995)?

NO

## 10. BIOBANKING AGREEMENTS

Has Council been notified by the Chief Executive of the Office of Environment and Heritage of the existence of a biobanking agreement under Part 7A of the Threatened Species Conservation Act 1995 that applies to the land to which the certificate relates?

NO

## 11. BUSH FIRE PRONE LAND

Is any of the land bush fire prone land (as defined in the Act)?

NO

## 12. PROPERTY VEGETATION PLANS

Has Council been notified by an approved person or body of the existence of a property vegetation plan under the Native Vegetation Act 2003 that applies to the land to which the certificate relates?

NO

**13. ORDERS UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006**

Whether Council has been notified of an order that has been made under the Trees (Disputes Between Neighbours) Act 2006 to carry out work in relation to a tree on the land to which the certificate relates?

NO

**14 DIRECTIONS UNDER PART 3A**

Is there a direction by the Minister in force under section 75P (2) (c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect on the land to which the certificate relates?

NO

**15. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR SENIORS HOUSING**

- (a) Whether there is a current site compatibility certificate (of which Council is aware) issued under clause 25 of State Environmental Policy (Housing for Seniors or People with a Disability) 2004 in respect of proposed development on the land?

NO

- (b) If a development application granted after 11 October 2007 in respect of the land, includes as a condition of consent any terms of a kind referred to in clause 18(2) of State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004?

NO

**16. SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE**

Whether there is a valid site compatibility certificate (of which Council is aware), issued under clause 19 of State Environmental Planning Policy (Infrastructure) 2007 in respect of proposed development on the land?

NO

## **17. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE RENTAL HOUSING**

- (a) Whether there is a current site compatibility certificate (affordable rental housing), of which Council is aware, in respect of proposed development on the land?

*NO*

- (b) If a condition of consent to a development application in respect of the land includes the terms of a kind referred to in clause 17(1) or 38(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009?

*NO*

## **18. PAPER SUBDIVISION INFORMATION**

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.
- (2) The date of any subdivision order that applies to the land.
- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

*Not applicable.*

## **19. SITE VERIFICATION CERTIFICATES**

**Whether there is a current site verification certificate, of which the council is aware, in respect of the land and, if there is a certificate, the statement is to include:**

- (a) The matter certified by the certificate, and

*NO*

**Note:** A site verification certificate sets out the Secretary's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land—see Division 3 of Part 4AA of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.

- (b) The date on which the certificate ceases to be current (if any), and

*NO*

- (c) That a copy may be obtained from the head office of the Department of Planning and Environment.

*NO*

## 20. LOOSE-FILL ASBESTOS INSULATION

If the land includes any residential premises (within the meaning of Division 1A of Part 8 of the *Home Building Act 1989*) that are listed on the register that is required to be maintained under that Division, a statement to that effect.

*Not applicable.*

**Note:** The register referred to in this question is the *Loose-Fill Asbestos Insulation Register*, which is maintained by the Secretary of NSW Fair Trading.

## 21. AFFECTED BUILDING NOTICES AND BUILDING PRODUCT RECTIFICATION ORDERS

(1) A statement of whether there is any affected building notice of which the Council is aware that is in force in respect of the land.

(2) A statement of:

- (a) Where there is any building product rectification order of which the Council is aware that is in force in respect of the land and has not been fully complied with, and
- (b) Whether any notice of intention to make a building product rectification order of which the Council is aware has been given in respect of the land and is outstanding

(3) In this clause.

*affected building notice has the same meaning as Part 4 of the Building Products (Safety) Act 2017.*

*Building product rectification order has the same meaning as in the Building Products (Safety) Act 2017*

*Council is not aware of an issue of a notice of intention or order pertaining to building product rectification works.*

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**MATTERS PRESCRIBED BY ACTS OTHER THAN THE ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979 TO BE INCLUDED IN SECTION 10.7(2) PLANNING CERTIFICATES.**

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**1. MATTERS PRESCRIBED BY SECTION 59(2) OF THE CONTAMINATED LAND MANAGEMENT ACT 1997 AS ADDITIONAL MATTERS TO BE SPECIFIED IN A PLANNING CERTIFICATE.**

Section 59(2) of the Contaminated Land Management Act 1997 prescribes the following additional matters that are to be specified in a planning certificate:

- (a) That the land to which the certificate relates is significantly contaminated land, if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued,

*NO*

- (b) that the land to which the certificate relates is subject to a management order, if it is subject to such an order at the date when the certificate is issued,

*NO*

- (c) that the land to which the certificate relates is the subject of an approved voluntary management proposal, if it is the subject of an approved proposal at the date when the certificate is issued,

*NO*

- (d) that the land to which this certificate relates is subject to an ongoing maintenance order, if it is subject to such an order at the date when the certificate is issued,

*NO*

- (e) that the land to which this certificate relates is the subject of a site audit statement, if a copy of such statement has been provided at any time to the local authority issuing the certificate,

*NO*



**Notes:**

- (1) Section 53B requires site auditors to furnish local authorities with copies of site audit statements relating to site audits for the purposes of statutory requirements.
- (2) The information provided in (a) to (d) above is based on information provided by the Office of Environment and Heritage to the former City of Botany Bay Council.
- (3) Any queries regarding the advice provided in (a) to (d) please contact the Office of Environment and Heritage on (02) 9995 5000.

### **Note No. 1**

After the issue of this certificate Council may be prepared to provide up-to-date oral information to the applicant about matters disclosed in this certificate but if it does so Council accepts no responsibility whatsoever for the accuracy of the oral information given and no employee of the Council is authorised to bind Council by the giving of such oral information.

This information is provided pursuant to section 10.7 (2) of the Environmental Planning and Assessment (EPA) Act 1979 as prescribed by Schedule 4 of the EPA Regulations 2000 and is applicable as of the date of this certificate.

It is your responsibility to read all attachments to this Section 10.7 Planning Certificate.

### **Additional matters pursuant to Section 10.7 (5)**

Additional information provided pursuant to section 10.7 (5) of the EPA Act 1979, is available upon application and payment of the prescribed fee. Advice will be provided for the following additional matters not included under Section 10.7 (2) in accordance with Section 10.7 (5) and 10.7 (6) of the Act:

- (a) information that indicates whether or not any additional hazards exist for which no policy of council exists to restrict development;
- (b) whether or not the land is affected by a Tree Preservation Order;
- (c) whether or not there are building height restrictions as a result of the operations of the Sydney Airport; and
- (d) restrictions on the use of groundwater contained within the Botany Sands Aquifer.

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MEREDITH WALLACE  
**General Manager**  
**Bayside Council**

Per :



## **ATTACHMENT NO. 1**

### **BOTANY BAY LOCAL ENVIRONMENTAL PLAN 2013**

The Botany Bay Local Environmental Plan 2013 was gazetted on 21 June 2013. The Botany Bay Local Environmental Plan 2013 replaces the Botany Local Environmental Plan 1995. The Botany Bay Local Environmental Plan 2013 is a statutory planning document that sets the direction for growth in the former City of Botany Bay.

The Botany Bay Local Environmental Plan 2013 is consistent with the Standard Instrument, which was introduced by the State Government in March 2006.

The Botany Bay Local Environmental Plan 2013 applies to all land within the former City of Botany Bay, except for the following:

1. Industrial lands covered by the State Environmental Planning Policy (Three Ports) 2013. This Policy largely relates to industrial land at Banksmeadow and provides the planning controls for development within the land affected by the SEPP – ie the Hale Street and Banksmeadow Industrial Precincts. A copy of State Environmental Planning Policy (Three Ports) 2013 is available on the NSW State Government's legislation website: [www.legislation.nsw.gov.au](http://www.legislation.nsw.gov.au); and
2. Lands identified as "Deferred matter" on the Land Application Map, being land to which the Botany Local Environmental Plan 1995 still applies, as follows:
  - o 26 Tupia Street, Botany;
  - o 2, 4, 10, 12, 14, 16 & 18 Macintosh Street & 862, 864, 866 & 868 Botany Road, Mascot; and
  - o Lot 6 DP.776212, land at corner of Wentworth Avenue and Dransfield Avenue, Mascot.

The BBLEP 2013 comprises of two parts:

- Written instrument; and
- Maps

The written instrument and maps need to be viewed together to understand the provisions for your property. Detailed planning controls supporting the BBLEP 2013 are contained within the Botany Bay Development Control Plan 2013. Further information is available at <http://www.botanybay.nsw.gov.au>.

## **ATTACHMENT NO. 2**

### **BOTANY BAY DEVELOPMENT CONTROL PLAN 2013**

The Botany Bay Development Control Plan 2013 was adopted by the former City of Botany Bay Council on 11 December 2013 and came into effect on 17 December 2013.

The following amendments have been made to the Botany Bay Development Control Plan 2013:

- At its meeting held 9 December 2014, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 1). Amendment No. 1 involved a number of housekeeping changes to the Botany Bay Development Control Plan 2013. The amendment came into effect on 16 December 2014.
- At its meeting held 26 August 2015, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 2). Amendment No. 2 inserted a new Planning Framework diagram into Part 9A (Mascot Station Town Centre Precinct) and a revised Wilson-Pemberton Planning Framework diagram in Part 9C of the Botany Bay Development Control Plan 2013. The amendment came into effect on 8 September 2015.
- At its meeting held 24 February 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment Nos. 3 and 4) under Clause 21(1)(b) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 3 amended Part 4C and Part 9A with respect to the amendments to State Environmental Planning Policy No. 65 - Design Quality of Residential Apartment Development and the new Apartment Design Guide. Amendment No. 4 incorporated these changes and addressed a number of duplications and formatting issues, clarified definitions, and condensed and reshaped the document to be more succinct. The amendment came into effect on 8 March 2016.
- At its meeting held 23 March 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 5) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 5 introduced new controls regarding Secondary Dwellings and clarified the controls pertaining to all ancillary development and buildings to rear lanes in Part 4A – Dwelling Houses. The amendment came into effect on 5 April 2016.
- At its meeting held 20 July 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 6) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 6 deleted Urban Block 3 from *Part 9A – Mascot Station Town Centre Precinct* following concerns about the impacts of the proposed building forms on the amenity of the local heritage item I82 comprising Mascot Oval and Lionel Bowen Park. The amendment came into effect on 2 August 2016.
- At its meeting held 12 October 2016, Bayside Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 7) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 7 amended controls to ensure that caretaker dwellings are ancillary to an approved industrial or business use, and will only be used by a caretaker, owner or operator of an approved business on the site; do not compromise the integrity of industrial or business areas; and are appropriately designed. The amendment came into effect on 25 October 2016.

- At its meeting held 9 August 2017, Bayside Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 8) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 8 amended controls to address a number of duplications and formatting issues, to clarify definitions, to update references to external documents and to make implementation of the Development Control Plan simpler and easier. The amendment came into effect on 5 September 2017.

The DCP has been prepared as Council considers it necessary or desirable to provide the guidance referred to in section 3.42 and for other necessary or desirable purposes as contained within section 3.43 of the Environmental Planning and Assessment Act. The DCP will:

- (i) Guide future development within the former Botany Bay Local Government Area (LGA);
- (ii) Support the controls found within the Botany Bay Local Environmental Plan 2013; and
- (iii) Protect and enhance the public domain

The Comprehensive Botany Bay DCP 2013 replaces all the DCPs and Policies that apply to land that the BBLEP 2013 applies to, except for the following sites:

- 26 Tupia Street, Botany;
- 2, 4, 10, 12, 14, 16 and 18 Macintosh Street and 862, 864, 866 and 868 Botany Road, Mascot;
- Lot 6 DP.776212, land at corner of Wentworth Avenue and Dransfield Avenue, Mascot; and
- Land under State Environmental Planning Policy (Three Ports) 2013.

For more information please access the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au/Planning-Business/Planning-Controls-Policies/Botany-Bay-Comprehensive-Development-Control-Plan-2013>

## ATTACHMENT NO. 3

### PLANNING PROPOSALS THAT APPLY TO THE CARRYING OUT OF DEVELOPMENT ON THE LAND

**Community Consultation under Sections 3.34 and 57 of the Environmental Planning & Assessment Act 1979 for Planning Proposal No. 1/2013 – rezone 2-10 McFall Street and 1 Bay Street Botany and prohibit container depots on certain land zoned under SEPP (Three Ports) 2013**

At its meeting on 4 September 2013, the former City of Botany Bay Council resolved to prepare a Planning Proposal in accordance with the Environmental Planning & Assessment Act 1979 and Environmental Planning & Assessment Regulation 2000 to amend the Botany Bay Local Environmental Plan 2013.

#### **Objective**

The Planning Proposal seeks to:

- rezone Nos. 2-10 McFall Street and 1 Bay Street, Botany to B7 – Business Park under the Botany Bay Local Environmental Plan 2013; and
- prohibit development for the purposes of container depots under the State Environmental Planning Policy (Three Ports) 2013 within the wider Hale Street Industrial Precinct bounded by Hale Street, Byrnes Street and Erith Street.

#### **Intended Outcomes**

The intended outcomes of the Planning Proposal are to:

- correct a mapping anomaly contained in the Botany Bay Local Environmental Plan 2013;
- provide for airport-related facilities and development that support the operation of Sydney Airport;
- enable a range of light industrial and commercial (i.e. business and office) employment opportunities which are more compatible with the nearby residential uses and established character of the precinct;
- enable land uses which address the constraints of the precinct;
- improve the interface issues between existing employment land and adjoining residential development; and
- reduce heavy vehicle movement within the precinct, improving the pedestrian and cycling environment.

The former City of Botany Bay Council resolved on 5 November 2014 to place the Planning Proposal on community consultation.

The Planning Proposal was on community consultation from 18 November 2015 to 18 January 2016. Details on the status of the Planning Proposal can be found on the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au>.

**Note:** *Bayside Council is authorised to exercise the functions of the Minister for Planning under Section 3.34 of the Environmental Planning & Assessment Act 1979 in the making of the LEP.*



**PLANNING CERTIFICATE  
UNDER SECTION 10.7 (5)  
ENVIRONMENTAL PLANNING AND  
ASSESSMENT ACT, 1979**

**Certificate No : 11656**

**Date : 22/10/2018**

**Receipt No : 16906415**

**Applicant Reference:**

**Application No: 19049**

**Applicant:**

JK Group - EIS

PO Box 976

NORTH RYDE BC NSW 1670

**Property: 235 O'Riordan Street MASCOT 2020**

**Description: Lot: 12 DP: 9142**

**Parcel No: 12318**

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WHEN INFORMATION PROVIDED TO SECTION 10.7(5) IS REQUESTED THE COUNCIL IS UNDER NO OBLIGATION TO FURNISH ANY OF THE INFORMATION SUPPLIED HEREIN PURSUANT TO THAT SECTION. COUNCIL DRAWS YOUR ATTENTION TO SECTION 10.7(6), WHICH STATES THAT A COUNCIL SHALL NOT INCUR LIABILITY IN RESPECT OF ANY ADVICE PROVIDED IN GOOD FAITH PURSUANT TO SUB SECTION (5). THE ABSENCE OF ANY REFERENCE TO ANY OTHER MATTER AFFECTING THE LAND SHALL NOT IMPLY THAT THE LAND IS NOT AFFECTED BY ANY MATTER NOT REFERRED TO IN THIS CERTIFICATE.

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- (a) **Whether or not Council is aware of possible risk affection to the land for which no policy of Council exists to restrict development.**

NO

- (b) **Is the land affected by a Tree Preservation Order?**

YES

- (c) **Is the Council aware of possible height restrictions as a result of the operations of the Sydney Airport?**

YES

*The applicant should contact Sydney Airport Corporation Limited for further information.*

- (d) **Is the use of groundwater contained within the Botany Sands Aquifer restricted?**

*The NSW Office of Water has published a map showing areas where the use of groundwater is restricted to various degrees including total prohibition of use in a certain area.*

*The applicant should contact the Office of Water for further information on (02) 82817777 or <http://www.water.nsw.gov.au/Water-management/Water-quality/Groundwater/Botany-Sand-Beds-aquifer/Botany-Sands-Aquifer/default.aspx>*

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MEREDITH WALLACE  
**General Manager**  
**Bayside Council**

Per :



AK.  
02 NOV 2018



**Bayside Council**

Serving Our Community

**PLANNING CERTIFICATE  
UNDER SECTION 10.7(2)  
ENVIRONMENTAL PLANNING AND  
ASSESSMENT ACT, 1979**

**Certificate No : 2018/11655**

**Date : 22/10/2018**

**Receipt No : 16906415**

**Applicant Reference :**

This Section 10.7 Planning Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from the former City of Botany Bay Council.

**Property:**

**3 Ewan Street MASCOT 2020**

**Description: Lot: B DP: 407002**

**Parcel No: 6121**

**Applicant:**

**JK Group - EIS**

**PO Box 976**

**NORTH RYDE BC NSW 1670**

**Eastgardens Customer Service Centre**

Westfield Eastgardens  
152 Bunnerong Road  
Eastgardens NSW 2036, Australia  
ABN 80 690 785 443 Branch 004

**Rockdale Customer Service Centre**

444-446 Princes Highway  
Rockdale NSW 2216, Australia  
ABN 80 690 785 443 Branch 003  
DX 25308 Rockdale

**Phone 1300 581 299**

**T (02) 9562 1666 F 9562 1777**

**E [council@bayside.nsw.gov.au](mailto:council@bayside.nsw.gov.au)**

**W [www.bayside.nsw.gov.au](http://www.bayside.nsw.gov.au)**

**Postal address:** PO Box 21, Rockdale NSW 2216



**Telephone Interpreter Services - 131 450**

Τηλεφωνικές Υπηρεσίες Διερμηνέων

بخدمة الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон

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**MATTERS PRESCRIBED UNDER THE ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979 AND THE ENVIRONMENTAL PLANNING & ASSESSMENT REGULATION 2000 TO BE INCLUDED IN SECTION 10.7(2) PLANNING CERTIFICATES.**

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**1. NAMES OF RELEVANT PLANNING INSTRUMENTS AND DCPS**

- (1) The name of each environmental planning instrument that applies to the carrying out of development on the land.**

*SEPP No. 19 – Bushland in Urban Areas*  
*SEPP No. 21 – Caravan Parks*  
*SEPP No. 30 – Intensive Agriculture*  
*SEPP No. 33 – Hazardous and Offensive Development*  
*SEPP No. 50 – Canal Estate Development*  
*SEPP No. 55 – Remediation of Land*  
*SEPP No. 62 – Sustainable Aquaculture*  
*SEPP No. 64 – Advertising and Signage*  
*SEPP No. 65 – Design Quality of Residential Apartment Development*  
*SEPP No. 70 – Affordable Housing - (Revised Schemes)*  
*SEPP (Housing for Seniors or People with a Disability) 2004*  
*SEPP (Building Sustainability Index: BASIX) 2004*  
*SEPP (State Significant Precincts) 2005*  
*SEPP (Infrastructure) 2007*  
*SEPP (Mining, Petroleum Production and Extractive Industries) 2007*  
*SEPP (Exempt and Complying Development Codes) 2008*  
*SEPP (Affordable Rental Housing) 2009*  
*SEPP (State & Regional Development) 2011*  
*SEPP (Three Ports) 2013*  
*SEPP (Miscellaneous Consent Provisions) 2007*  
*SEPP (Vegetation in Non-Rural Areas) 2017*  
*SEPP (Educational Establishments and Child Care Facilities) 2017*  
*SEPP (Vegetation in Non-Rural Areas) 2017*  
*SEPP (Educational Establishments and Child Care Facilities) 2017*  
*SEPP (Coastal Management) 2018*

*Botany Bay Local Environmental Plan 2013*

- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved).**

*The following proposed environmental planning instruments apply:*

*Draft SEPP – Remediation of Land*  
*Draft SEPP – (Three Ports) 2013*

*Planning Proposal No. 1/2013 - seeks to rezone Nos. 2-10 McFall Street and 1 Bay Street, Botany to B7 – Business Park under the Botany Bay Local Environmental Plan 2013; and prohibit development for the purposes of container depots under the State Environmental Planning Policy (Three Ports) 2013 within the wider Hale Street Industrial Precinct bounded by Hale Street, Byrnes Street and Erith Street. Please refer to Attachment 3 to the rear of the Certificate for additional information.*

- (3) **The name of each development control plan that applies to the carrying out of development on the land.**

*The Botany Bay Development Control Plan 2013 applies to the carrying out of development on the land.*

*Please refer to Attachment No. 2 titled: Botany Bay Development Control Plan 2013 at the end of the Section 10.7(2) Planning Certificate for more information.*

- (4) **In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or draft environmental planning instrument.**

## **2. ZONING AND LAND USE UNDER RELEVANT LEPS**

**For each environmental planning instrument or proposed instrument referred to in clause 1 (other than a SEPP or proposed SEPP) that includes the land in any zone (however described):**

- (a) **The identity of the zone, whether by reference to a name (such as "Residential Zone" or "Heritage Area") or by reference to a number (such as "Zone No 2 (a)"),**
- (b) **the purposes for which the instrument provides that development may be carried out within the zone without the need for development consent,**
- (c) **the purposes for which the instrument provides that development may not be carried out within the zone except with development consent,**
- (d) **the purposes for which the instrument provides that development is prohibited within the zone,**

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**Identity of the zone affected by the environmental planning instrument or proposed instrument on the above mentioned land.**

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- (a) **Zone B5 Business Development**
- (b) **Development which may be carried out without development consent**

*Nil*

**(c) Development which may be carried out only with development consent**

*Bulky goods premises; Child care centres; Food and drink premises; Garden centres; Hardware and building supplies; High technology industries; Landscaping material supplies; Neighbourhood shops; Passenger transport facilities; Respite day care centres; Roads; Vehicle sales or hire premises; Warehouse or distribution centres; Any other development not specified in item (b) or (d).*

**(d) Development which is prohibited**

*Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Eco-tourist facilities; Electricity generating works; Environmental facilities; Environmental protection works; Exhibition homes; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Helipads; Highway service centres; Home-based child care; Home businesses; Home occupations; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Mortuaries; Open cut mining; Port facilities; Recreation facilities (major); Recreation facilities (outdoor); Research stations; Residential accommodation; Resource recovery facilities; Restricted premises; Retail premises; Rural industries; Sewage treatment plants; Sex services premises; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Veterinary hospitals; Waste disposal facilities; Water recreation structures; Water recycling facilities; Water supply systems; Wharf or boating facilities; Wholesale supplies*

**Note:** Some of the uses listed in (c) are only permitted in certain circumstances. Please refer to the provisions of Botany Bay Local Environmental Plan 2013, especially Part 6, for additional information on permissibility of individual land uses specified in answer (c).

**(e) Whether any development standards applying to the land that fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed,**

NO

**Note:** There are no development standards applying to an existing allotment of land that fix minimum land dimensions for the erection of a dwelling house.

**(f) Does the land include or comprise critical habitat?**

NO

**(g) Is the land in a conservation area?**

NO

- (h) Is an item of environmental heritage situated on the land?

NO

## 2A. ZONING AND LANDUSE UNDER STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006

To the extent that the land is within any zone (however described) under:

- (a) Part 3 of the State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (the 2006 SEPP), or
- (b) a Precinct Plan (within the meaning of the 2006 SEPP), or
- (c) a proposed Precinct Plan that is or has been the subject of community consultation or on public exhibition under the Act,

the particulars referred to in clause 2 (a)–(h) in relation to that land (with a reference to “the instrument” in any of those paragraphs being read as a reference to Part 3 of the 2006 SEPP, or the Precinct Plan or proposed Precinct Plan, as the case requires).

*The land is not affected by the provisions of State Environmental Planning Policy (Sydney Region Growth Centres) 2006.*

## 3. COMPLYING DEVELOPMENT

- (1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.
- (2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

**Disclaimer:** This certificate only responds to the preliminary question whether complying development may be carried out on the land under each of the codes for complying development under the State Environmental Planning Policy (Exempt & Complying Development Codes) 2008 ("the Policy") or whether such development is excluded because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and



1.19 of the Policy. If this certificate states that complying development may be carried out on the land under a code, particular development must also comply with the other development specific requirements of the Policy including minimum site area, minimum frontage and zoning.

Failure of the proposed development to comply with any of those specific requirements may preclude it from being complying development under the Policy.

**Note:** Under Clause 1.17A (1) (a) to be complying development for the purposes of any environmental planning instrument, the development must not:

- (a) be development for which development consent cannot be granted except with the concurrence of a person other than:
  - (i) the consent authority, or
  - (ii) the Director-General of the Department of Environment, Climate Change and Water as referred to in Section 4.13(3) of the Act.

**(a) the General Housing Code**



**NO.** *Complying development under the General Housing Code may not be carried out on the land.*

*Please refer to the following reason why Complying Development may not be carried out on this land under the provisions of Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of the Codes SEPP.*

**REASON**



*The land is identified on an Acid Sulfate Soils Map as being Class 1 or Class 2.*



*The land is in the 25 ANEF contour or a higher ANEF contour, unless the development is only for the erection of ancillary development, the alteration of or an addition to ancillary development or the alteration of a dwelling house.*

**(b) the Rural Housing Code**

*The Rural Housing Code is not applicable.*

**(c) the Housing Alterations Code**



**YES.** *None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Housing Alterations Code under the Codes SEPP.*



**(d) the General Development Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the General Development Code under the Codes SEPP.

**(e) the Commercial and Industrial Alterations Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Commercial and Industrial Alterations Code under the Codes SEPP.

**(f) the Commercial and Industrial (New Buildings and Additions) Code**



**NO.** Complying development under the Commercial and Industrial (New Buildings and Additions) Code may not be carried out on the land.

Please refer to the following reason why Complying Development may not be carried out on this land under the provisions of Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of the Codes SEPP.

**REASON**



The land is identified on an Acid Sulfate Soils Map as being Class 1 or Class 2.

**(g) the Subdivisions Code**



**YES.** None of the matters raised in 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Subdivisions Code under the Codes SEPP.

**(h) the Demolition Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Demolition Code under the Codes SEPP.

**(i) the Fire Safety Code**



**YES.** None of the matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 prevent complying development being carried out on the land under the Fire Safety Code under the Codes SEPP.

**4. COASTAL PROTECTION**

**Repealed**

*Not applicable*

**4A. CERTAIN INFORMATION RELATING TO BEACHES AND COASTS**

**Repealed**

*Not applicable.*

**4B. ANNUAL CHARGES UNDER LOCAL GOVERNMENT ACT 1993 FOR COASTAL PROTECTION SERVICES THAT RELATE TO EXISTING COASTAL PROTECTION WORKS**

In relation to a coastal council—whether the owner (or any previous owner) of the land has consented in writing to the land being subject to annual charges under section 496B of the *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

Note. “Existing coastal protection works” are works to reduce the impact of coastal hazards on land (such as seawalls, revetments, groynes and beach nourishment) that existed before the commencement of section 553B of the Local Government Act 1993.

*Not applicable.*

**5. MINE SUBSIDENCE**

Whether or not the land is proclaimed to be a mine subsidence district within the meaning of section 15 of the *Mine Subsidence Compensation Act 1961*.

*NO*

**6. ROAD WIDENING AND ROAD REALIGNMENT**

Whether or not the land is affected by any road widening or road realignment under:

(a) Division 2 of Part 3 of the *Roads Act 1993*, or

*NO*

- (b) any environmental planning instrument, or

NO

- (c) any resolution of the council.

NO

## **7. COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK RESTRICTIONS**

Whether or not the land is affected by a policy:

- (a) adopted by the council, or
- (b) adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the council,

that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).

*Clause 6.1 of the Botany Bay Local Environmental Plan 2013 - Acid Sulfate Soils*

*Clause 6.8 of the Botany Bay Local Environmental Plan 2013 - Airspace operations*

*Clause 6.9 of the Botany Bay Local Environmental Plan 2013 - Development in areas subject to aircraft noise*

*Botany Bay Development Control Plan 2013 - provisions of Part 3K - Contamination*

*Part 2 of Botany Bay Development Control Plan 2013 - any development application proposing a new structure within 10 metres either side (horizontally or vertically) of the "line of sight" (as detailed in Figures 2 & 3 of Part 2 of the DCP) requires referral to Sydney Ports Corporation for review and comment, to ensure that the proposed development does not impact on the Vessel Traffic Service system. Refer to Part 2 of the DCP for more information.*

*Part 3M of the Botany Bay Development Control Plan 2013 applies to land that drains into the Botany wetlands or has the potential to adversely affect the wetlands. Refer to Part 3M of the DCP for more information.*

*Part 3J of the Botany Bay Development Control Plan 2013 applies to the land. This Part provides a means of assessing the effect of aircraft noise on development proposals by utilising an appropriately endorsed Australian Noise Exposure Forecast (ANEF) chart that takes into account long-term operating procedures and air traffic forecasts at Sydney (Kingsford-Smith) Airport. This Part also provides potential applicants with an understanding of the predicted level of the potential height limits due to prescribed airspace on proposed development sites and the potential for proposed developments to cause mechanical windshear.*

*The subject property is located within a 25-30 ANEF contour under the Australian Noise Exposure Forecast 2033 (ANEF) Chart adopted by the former City of Botany Bay Council on 27 March 2013. For the consequences of development on the subject property within such an affectation please refer to the Botany Bay Development Control Plan 2013 which can be inspected at Council's Offices or accessed on the former City of Botany Bay Council's website at [www.botanybay.nsw.gov.au](http://www.botanybay.nsw.gov.au).*

**Note:**

*Where Council has no formal policy adopted by a resolution of Council to restrict the development due to risk, Council is prepared to volunteer some information relevant to the land. Please refer to the Section 10.7 (5) planning certificate.*

**Note:**

*In relation to tidal inundation Council is prepared to provide further information upon application to it for a certificate under Section 10.7(5).*

## **7A. FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION**

- (1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.

NO

- (2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.

NO

- (3) Words and expressions in this clause have the same meanings as in the instrument set out in the Schedule to the Standard Instrument (Local Environmental Plans) Order 2006.

**Note:** *If the land has not been identified as being subject to flood related development controls, it does not mean that your property is not subject to flooding/local inundation. The former City of Botany Bay Council has not at this time adopted a formal policy by resolution whereby flood related development controls are imposed. Bayside Council is prepared to volunteer some further information relevant to the land. Please refer to the Section 10.7(5) Planning Certificate.*

## **8. LAND RESERVED FOR ACQUISITION**

**Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.**

NO

## 9. CONTRIBUTIONS PLANS

The name of each contributions plan applying to the land.

*City of Botany Bay Section 94 Development Contributions Plan 2016. City of Botany Bay Section 94A Development Contributions Plan 2016.*

**Note:**

For a copy of the plans please access the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au/Planning-Business/Planning-Controls-Policies/Development-Contribution-Plan>

## 9A. BIODIVERSITY CERTIFIED LAND

Is the land biodiversity certified land (within the meaning of Part 7AA of the Threatened Species Conservation Act 1995)?

NO

## 10. BIOBANKING AGREEMENTS

Has Council been notified by the Chief Executive of the Office of Environment and Heritage of the existence of a biobanking agreement under Part 7A of the Threatened Species Conservation Act 1995 that applies to the land to which the certificate relates?

NO

## 11. BUSH FIRE PRONE LAND

Is any of the land bush fire prone land (as defined in the Act)?

NO

## 12. PROPERTY VEGETATION PLANS

Has Council been notified by an approved person or body of the existence of a property vegetation plan under the Native Vegetation Act 2003 that applies to the land to which the certificate relates?

NO

**13. ORDERS UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006**

Whether Council has been notified of an order that has been made under the Trees (Disputes Between Neighbours) Act 2006 to carry out work in relation to a tree on the land to which the certificate relates?

NO

**14 DIRECTIONS UNDER PART 3A**

Is there a direction by the Minister in force under section 75P (2) (c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect on the land to which the certificate relates?

NO

**15. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR SENIORS HOUSING**

- (a) Whether there is a current site compatibility certificate (of which Council is aware) issued under clause 25 of State Environmental Policy (Housing for Seniors or People with a Disability) 2004 in respect of proposed development on the land?

NO

- (b) If a development application granted after 11 October 2007 in respect of the land, includes as a condition of consent any terms of a kind referred to in clause 18(2) of State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004?

NO

**16. SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE**

Whether there is a valid site compatibility certificate (of which Council is aware), issued under clause 19 of State Environmental Planning Policy (Infrastructure) 2007 in respect of proposed development on the land?

NO

## **17. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE RENTAL HOUSING**

- (a) Whether there is a current site compatibility certificate (affordable rental housing), of which Council is aware, in respect of proposed development on the land?

*NO*

- (b) If a condition of consent to a development application in respect of the land includes the terms of a kind referred to in clause 17(1) or 38(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009?

*NO*

## **18. PAPER SUBDIVISION INFORMATION**

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.
- (2) The date of any subdivision order that applies to the land.
- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

*Not applicable.*

## **19. SITE VERIFICATION CERTIFICATES**

Whether there is a current site verification certificate, of which the council is aware, in respect of the land and, if there is a certificate, the statement is to include:

- (a) The matter certified by the certificate, and

*NO*

**Note:** A site verification certificate sets out the Secretary's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land—see Division 3 of Part 4AA of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.

- (b) The date on which the certificate ceases to be current (if any), and

*NO*

- (c) That a copy may be obtained from the head office of the Department of Planning and Environment.

*NO*



## 20. LOOSE-FILL ASBESTOS INSULATION

If the land includes any residential premises (within the meaning of Division 1A of Part 8 of the *Home Building Act 1989*) that are listed on the register that is required to be maintained under that Division, a statement to that effect.

*Not applicable.*

**Note:** The register referred to in this question is the *Loose-Fill Asbestos Insulation Register*, which is maintained by the Secretary of NSW Fair Trading.

## 21. AFFECTED BUILDING NOTICES AND BUILDING PRODUCT RECTIFICATION ORDERS

(1) A statement of whether there is any affected building notice of which the Council is aware that is in force in respect of the land.

(2) A statement of:

- (a) Where there is any building product rectification order of which the Council is aware that is in force in respect of the land and has not been fully complied with, and
- (b) Whether any notice of intention to make a building product rectification order of which the Council is aware has been given in respect of the land and is outstanding

(3) In this clause.

*affected building notice has the same meaning as Part 4 of the Building Products (Safety) Act 2017.*

*Building product rectification order has the same meaning as in the Building Products (Safety) Act 2017*

*Council is not aware of an issue of a notice of intention or order pertaining to building product rectification works.*

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**MATTERS PRESCRIBED BY ACTS OTHER THAN THE ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979 TO BE INCLUDED IN SECTION 10.7(2) PLANNING CERTIFICATES.**

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**1. MATTERS PRESCRIBED BY SECTION 59(2) OF THE CONTAMINATED LAND MANAGEMENT ACT 1997 AS ADDITIONAL MATTERS TO BE SPECIFIED IN A PLANNING CERTIFICATE.**

Section 59(2) of the Contaminated Land Management Act 1997 prescribes the following additional matters that are to be specified in a planning certificate:

- (a) That the land to which the certificate relates is significantly contaminated land, if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued,

*NO*

- (b) that the land to which the certificate relates is subject to a management order, if it is subject to such an order at the date when the certificate is issued,

*NO*

- (c) that the land to which the certificate relates is the subject of an approved voluntary management proposal, if it is the subject of an approved proposal at the date when the certificate is issued,

*NO*

- (d) that the land to which this certificate relates is subject to an ongoing maintenance order, if it is subject to such an order at the date when the certificate is issued,

*NO*

- (e) that the land to which this certificate relates is the subject of a site audit statement, if a copy of such statement has been provided at any time to the local authority issuing the certificate,

*NO*

**Notes:**

- (1) Section 53B requires site auditors to furnish local authorities with copies of site audit statements relating to site audits for the purposes of statutory requirements.
- (2) The information provided in (a) to (d) above is based on information provided by the Office of Environment and Heritage to the former City of Botany Bay Council.
- (3) Any queries regarding the advice provided in (a) to (d) please contact the Office of Environment and Heritage on (02) 9995 5000.

### **Note No. 1**

After the issue of this certificate Council may be prepared to provide up-to-date oral information to the applicant about matters disclosed in this certificate but if it does so Council accepts no responsibility whatsoever for the accuracy of the oral information given and no employee of the Council is authorised to bind Council by the giving of such oral information.

This information is provided pursuant to section 10.7 (2) of the Environmental Planning and Assessment (EPA) Act 1979 as prescribed by Schedule 4 of the EPA Regulations 2000 and is applicable as of the date of this certificate.

It is your responsibility to read all attachments to this Section 10.7 Planning Certificate.

### **Additional matters pursuant to Section 10.7 (5)**

Additional information provided pursuant to section 10.7 (5) of the EPA Act 1979, is available upon application and payment of the prescribed fee. Advice will be provided for the following additional matters not included under Section 10.7 (2) in accordance with Section 10.7 (5) and 10.7 (6) of the Act:

- (a) information that indicates whether or not any additional hazards exist for which no policy of council exists to restrict development;
- (b) whether or not the land is affected by a Tree Preservation Order;
- (c) whether or not there are building height restrictions as a result of the operations of the Sydney Airport; and
- (d) restrictions on the use of groundwater contained within the Botany Sands Aquifer.

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MEREDITH WALLACE  
**General Manager**  
**Bayside Council**

Per :



## **ATTACHMENT NO. 1**

### **BOTANY BAY LOCAL ENVIRONMENTAL PLAN 2013**

The Botany Bay Local Environmental Plan 2013 was gazetted on 21 June 2013. The Botany Bay Local Environmental Plan 2013 replaces the Botany Local Environmental Plan 1995. The Botany Bay Local Environmental Plan 2013 is a statutory planning document that sets the direction for growth in the former City of Botany Bay.

The Botany Bay Local Environmental Plan 2013 is consistent with the Standard Instrument, which was introduced by the State Government in March 2006.

The Botany Bay Local Environmental Plan 2013 applies to all land within the former City of Botany Bay, except for the following:

1. Industrial lands covered by the State Environmental Planning Policy (Three Ports) 2013. This Policy largely relates to industrial land at Banksmeadow and provides the planning controls for development within the land affected by the SEPP – ie the Hale Street and Banksmeadow Industrial Precincts. A copy of State Environmental Planning Policy (Three Ports) 2013 is available on the NSW State Government's legislation website: [www.legislation.nsw.gov.au](http://www.legislation.nsw.gov.au); and
2. Lands identified as "Deferred matter" on the Land Application Map, being land to which the Botany Local Environmental Plan 1995 still applies, as follows:
  - o 26 Tupia Street, Botany;
  - o 2, 4, 10, 12, 14, 16 & 18 Macintosh Street & 862, 864, 866 & 868 Botany Road, Mascot; and
  - o Lot 6 DP.776212, land at corner of Wentworth Avenue and Dransfield Avenue, Mascot.

The BBLEP 2013 comprises of two parts:

- Written instrument; and
- Maps

The written instrument and maps need to be viewed together to understand the provisions for your property. Detailed planning controls supporting the BBLEP 2013 are contained within the Botany Bay Development Control Plan 2013. Further information is available at <http://www.botanybay.nsw.gov.au>.

## **ATTACHMENT NO. 2**

### **BOTANY BAY DEVELOPMENT CONTROL PLAN 2013**

The Botany Bay Development Control Plan 2013 was adopted by the former City of Botany Bay Council on 11 December 2013 and came into effect on 17 December 2013.

The following amendments have been made to the Botany Bay Development Control Plan 2013:

- At its meeting held 9 December 2014, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 1). Amendment No. 1 involved a number of housekeeping changes to the Botany Bay Development Control Plan 2013. The amendment came into effect on 16 December 2014.
- At its meeting held 26 August 2015, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 2). Amendment No. 2 inserted a new Planning Framework diagram into Part 9A (Mascot Station Town Centre Precinct) and a revised Wilson-Pemberton Planning Framework diagram in Part 9C of the Botany Bay Development Control Plan 2013. The amendment came into effect on 8 September 2015.
- At its meeting held 24 February 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment Nos. 3 and 4) under Clause 21(1)(b) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 3 amended Part 4C and Part 9A with respect to the amendments to State Environmental Planning Policy No. 65 - Design Quality of Residential Apartment Development and the new Apartment Design Guide. Amendment No. 4 incorporated these changes and addressed a number of duplications and formatting issues, clarified definitions, and condensed and reshaped the document to be more succinct. The amendment came into effect on 8 March 2016.
- At its meeting held 23 March 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 5) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 5 introduced new controls regarding Secondary Dwellings and clarified the controls pertaining to all ancillary development and buildings to rear lanes in Part 4A – Dwelling Houses. The amendment came into effect on 5 April 2016.
- At its meeting held 20 July 2016, the former City of Botany Bay Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 6) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 6 deleted Urban Block 3 from *Part 9A – Mascot Station Town Centre Precinct* following concerns about the impacts of the proposed building forms on the amenity of the local heritage item I82 comprising Mascot Oval and Lionel Bowen Park. The amendment came into effect on 2 August 2016.
- At its meeting held 12 October 2016, Bayside Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 7) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 7 amended controls to ensure that caretaker dwellings are ancillary to an approved industrial or business use, and will only be used by a caretaker, owner or operator of an approved business on the site; do not compromise the integrity of industrial or business areas; and are appropriately designed. The amendment came into effect on 25 October 2016.

- At its meeting held 9 August 2017, Bayside Council resolved to adopt Botany Bay Development Control Plan 2013 (Amendment No. 8) under Clause 21(1)(a) of the Environmental Planning and Assessment Regulation 2000 (the Regulation). Amendment No. 8 amended controls to address a number of duplications and formatting issues, to clarify definitions, to update references to external documents and to make implementation of the Development Control Plan simpler and easier. The amendment came into effect on 5 September 2017.

The DCP has been prepared as Council considers it necessary or desirable to provide the guidance referred to in section 3.42 and for other necessary or desirable purposes as contained within section 3.43 of the Environmental Planning and Assessment Act. The DCP will:

- (i) Guide future development within the former Botany Bay Local Government Area (LGA);
- (ii) Support the controls found within the Botany Bay Local Environmental Plan 2013; and
- (iii) Protect and enhance the public domain

The Comprehensive Botany Bay DCP 2013 replaces all the DCPs and Policies that apply to land that the BBLEP 2013 applies to, except for the following sites:

- 26 Tupia Street, Botany;
- 2, 4, 10, 12, 14, 16 and 18 Macintosh Street and 862, 864, 866 and 868 Botany Road, Mascot;
- Lot 6 DP.776212, land at corner of Wentworth Avenue and Dransfield Avenue, Mascot; and
- Land under State Environmental Planning Policy (Three Ports) 2013.

For more information please access the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au/Planning-Business/Planning-Controls-Policies/Botany-Bay-Comprehensive-Development-Control-Plan-2013>



## **ATTACHMENT NO. 3**

### **PLANNING PROPOSALS THAT APPLY TO THE CARRYING OUT OF DEVELOPMENT ON THE LAND**

**Community Consultation under Sections 3.34 and 57 of the Environmental Planning & Assessment Act 1979 for Planning Proposal No. 1/2013 – rezone 2-10 McFall Street and 1 Bay Street Botany and prohibit container depots on certain land zoned under SEPP (Three Ports) 2013**

At its meeting on 4 September 2013, the former City of Botany Bay Council resolved to prepare a Planning Proposal in accordance with the Environmental Planning & Assessment Act 1979 and Environmental Planning & Assessment Regulation 2000 to amend the Botany Bay Local Environmental Plan 2013.

#### **Objective**

The Planning Proposal seeks to:

- rezone Nos. 2-10 McFall Street and 1 Bay Street, Botany to B7 – Business Park under the Botany Bay Local Environmental Plan 2013; and
- prohibit development for the purposes of container depots under the State Environmental Planning Policy (Three Ports) 2013 within the wider Hale Street Industrial Precinct bounded by Hale Street, Byrnes Street and Erith Street.

#### **Intended Outcomes**

The intended outcomes of the Planning Proposal are to:

- correct a mapping anomaly contained in the Botany Bay Local Environmental Plan 2013;
- provide for airport-related facilities and development that support the operation of Sydney Airport;
- enable a range of light industrial and commercial (i.e. business and office) employment opportunities which are more compatible with the nearby residential uses and established character of the precinct;
- enable land uses which address the constraints of the precinct;
- improve the interface issues between existing employment land and adjoining residential development; and
- reduce heavy vehicle movement within the precinct, improving the pedestrian and cycling environment.

The former City of Botany Bay Council resolved on 5 November 2014 to place the Planning Proposal on community consultation.

The Planning Proposal was on community consultation from 18 November 2015 to 18 January 2016. Details on the status of the Planning Proposal can be found on the former City of Botany Bay Council's website at <http://www.botanybay.nsw.gov.au>.

**Note:** *Bayside Council is authorised to exercise the functions of the Minister for Planning under Section 3.34 of the Environmental Planning & Assessment Act 1979 in the making of the LEP.*



**PLANNING CERTIFICATE  
UNDER SECTION 10.7 (5)  
ENVIRONMENTAL PLANNING AND  
ASSESSMENT ACT, 1979**

**Certificate No : 11655**

**Date : 22/10/2018**

**Receipt No : 16906415**

**Applicant Reference:**

**Application No: 19048**

**Applicant:**

JK Group - EIS

PO Box 976

NORTH RYDE BC NSW 1670

**Property: 3 Ewan Street MASCOT 2020**

**Description: Lot: B DP: 407002**

**Parcel No: 6121**

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WHEN INFORMATION PROVIDED TO SECTION 10.7(5) IS REQUESTED THE COUNCIL IS UNDER NO OBLIGATION TO FURNISH ANY OF THE INFORMATION SUPPLIED HEREIN PURSUANT TO THAT SECTION. COUNCIL DRAWS YOUR ATTENTION TO SECTION 10.7(6), WHICH STATES THAT A COUNCIL SHALL NOT INCUR LIABILITY IN RESPECT OF ANY ADVICE PROVIDED IN GOOD FAITH PURSUANT TO SUB SECTION (5). THE ABSENCE OF ANY REFERENCE TO ANY OTHER MATTER AFFECTING THE LAND SHALL NOT IMPLY THAT THE LAND IS NOT AFFECTED BY ANY MATTER NOT REFERRED TO IN THIS CERTIFICATE.

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- (a) **Whether or not Council is aware of possible risk affection to the land for which no policy of Council exists to restrict development.**

NO

- (b) **Is the land affected by a Tree Preservation Order?**

YES

- (c) **Is the Council aware of possible height restrictions as a result of the operations of the Sydney Airport?**

YES

*The applicant should contact Sydney Airport Corporation Limited for further information.*

- (d) **Is the use of groundwater contained within the Botany Sands Aquifer restricted?**

*The NSW Office of Water has published a map showing areas where the use of groundwater is restricted to various degrees including total prohibition of use in a certain area.*

*The applicant should contact the Office of Water for further information on (02) 82817777 or <http://www.water.nsw.gov.au/Water-management/Water-quality/Groundwater/Botany-Sand-Beds-aquifer/Botany-Sands-Aquifer/default.aspx>*

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MEREDITH WALLACE  
General Manager  
Bayside Council

Per : 

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## **SafeWork NSW Records**

\$D



15 NOV 2018

**SafeWork NSW**

Locked Bag 2906, Lisarow NSW 2252

Customer Experience 13 10 50

ABN 81 913 830 179 | [www.safework.nsw.gov.au](http://www.safework.nsw.gov.au)

Our Ref: D18/220374

9 November 2018

Environmental Investigation Services Pty Ltd  
Priya Dass  
PO Box 976  
NORTH RYDE BC NSW 1670

Dear Ms Dass

**RE SITE: 1-3 Ewan PI Mascot NSW**

I refer to your site search request received by SafeWork NSW on 22 October 2018 requesting information on Storage of Hazardous Chemicals for the above site.

A search of the records held by SafeWork NSW has not located any records pertaining to the above-mentioned premises.

For further information or if you have any questions, please call us on 13 10 50 or email [licensing@safework.nsw.gov.au](mailto:licensing@safework.nsw.gov.au)

Yours sincerely

Customer Service Officer  
Customer Experience - Operations  
SafeWork NSW



**SafeWork NSW**

Locked Bag 2906, Lisarow NSW 2252

Customer Experience 13 10 50

ABN 81 913 830 179 | [www.safework.nsw.gov.au](http://www.safework.nsw.gov.au)

Our Ref: D18/220374

9 November 2018

Environmental Investigation Services Pty Ltd  
Priya Dass  
PO Box 976  
NORTH RYDE BC NSW 1670

Dear Ms Dass

**RE SITE: 215-235 O'Riordan St Mascot NSW**

I refer to your site search request received by SafeWork NSW on 22 October 2018 requesting information on Storage of Hazardous Chemicals for the above site.

Enclosed are copies of the documents that SafeWork NSW holds on record number 35/008012 relating to the storage of Hazardous Chemicals at the above-mentioned premises.

For further information or if you have any questions, please call us on 13 10 50 or email [licensing@safework.nsw.gov.au](mailto:licensing@safework.nsw.gov.au)

Yours sincerely

Customer Service Officer  
Customer Experience - Operations  
SafeWork NSW

DANGEROUS GOODS ACT, 1975 DG: 78-00-0001-002-020-8

LICENCE No. 04-350-008012

## APPLICATION FOR LICENCE (or AMENDMENT or TRANSFER of LICENCE) FOR THE KEEPING OF DANGEROUS GOODS

Application is hereby made for—  
 \*a licence (or amendment of the licence) for the keeping of dangerous goods in or on the premises described below.  
 \*the transfer of the licence

(\*delete whichever is not required)

FEE: \$10.00 per Depot

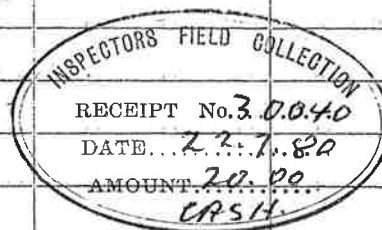
\$20

Name of Applicant in full (see over)	Surname <u>KAY</u>	Given Names <u>2497 410179 038</u>
Trading name or occupier's name (if any)	<u>KAY RENT A CAR P/L</u>	
Postal address	<u>65 WILLIAM ST SYDNEY</u>	Postcode
Telephone number of applicant	STD Code <u>02</u>	Number <u>357 6621</u>
Address of the premises in or on which the depot or depots are situated (including street number, if any)	<u>KAY RENT A CAR P/L CRW KING + O'RIOGAN ST MASCO7</u>	
Nature of premises (see over)	<u>RENT A CAR DEPOT</u>	

PLEASE ATTACH SITE PLAN

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (see over)	Storage capacity	Dangerous goods	
			Product being stored	C & C Office use only
1	<u>Underground</u>	<u>26673</u>	<u>3-1 Petrol</u>	<u>2.020.34</u>
2	<u>" "</u>	<u>14773</u>	<u>3-1 Petrol</u>	<u>2.020.14</u>
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Name of company supplying flammable liquid (if any) ShellHave premises previously been licensed? YESIf known, state name of previous occupier Baki, S.Y.Licence No. 008012Signature of applicant [Signature]Date 7/12/78

For external explosives magazine(s), please fill in side 2.

FOR OFFICE USE ONLY  
CERTIFICATE OF INSPECTION



TO : CHIEF INSPECTOR OF INFLAMMABLE LIQUIDS,  
BOX R. 216,  
ROYAL EXCHANGE. 2000

21 DEC 1973

INFLAMMABLE LIQUID ACT, 1915

CONTRACTOR'S CERTIFICATE

UNDERGROUND TANKS

I hereby certify that the tank(s) indicated below have been  
abandoned by the removal of all inflammable liquid, filling  
and sealing to the requirements of the Explosives Branch.

PETROLEUM COMPANY THE SHELL COMPANY OF AUSTRALIA LIMITED

CUSTOMER

Quartley's Service Station

ADDRESS OF CUSTOMERS PREMISES

cnr. King & O'Riordan Streets,  
Mascot.

EQUIPMENT

2 x 1,000 gals. 4/6 tanks

METHOD OF ABANDONED BY

- (1) WATER & RUST INHIBITOR  
(2) ~~CONCRETE SLURRY~~  
(3) ~~TANKS REMOVED~~

CONTRACTOR

F. J. HERRMANN P/LTD.

SIGNED

J. Herrmann

DATE

15-12-78

8012-4

TO : CHIEF INSPECTOR,  
DANGEROUS GOODS BRANCH,  
P.O. BOX 846,  
DARLINGHURST. 2010

INFLAMMABLE LIQUID ACT, 1915

CONTRACTOR'S CERTIFICATE

UNDERGROUND TANKS

I hereby certify that the tank(s) indicated below have been abandoned by the removal of all inflammable liquid, filling and sealing to the requirements of the Explosives Branch.

PETROLEUM COMPANY ..... THE SHELL COMPANY OF AUSTRALIA LIMITED .....

CUSTOMER ..... QUARTLEY'S ..... SERVICE STATION .....

ADDRESS OF CUSTOMERS PREMISES CNR. KING & O'RIOURAN STS.,  
..... MASCOT .....

EQUIPMENT ..... 3 x 1000 gals. 4/6 tanks .....

METHOD OF ABANDONED BY (1) WATER & RUST INHIBITOR .....  
(2) ~~CONCRETE SLURRY~~ .....  
(3) ~~TANKS REMOVED~~ .....

CONTRACTOR ..... E. J. HERRMANN P/LTD .....

SIGNED ..... J. Herrmann .....

DATE ..... 4-12-78 .....

Application for Registration of Premises or Store Licence under Division B or for the transfer alteration or amendment of any such Registration or Licence, for the keeping of Inflammable Liquid and/or Dangerous Goods, in accordance with the provisions of the Inflammable Liquid Act, 1915 (as amended), for the ensuing year.

SEE PAGE 4 FOR DETAILS OF FEES PAYABLE AND DISTANCES FROM PROTECTED WORKS

DIRECTIONS SH2L

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, Box R.216, Royal Exchange Sydney, N.S.W. 2000 and must be accompanied by the prescribed fee.  
Registration of Premises - For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept in separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.  
In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil  
Store Licence, Div. A - For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1, 2 and 9.  
Store Licence, Div. B (Fee, See Regulation 7) - For quantities exceeding 4,000 gallons of mineral spirit, and/or Dangerous Goods of Classes 1 and 2, and/or Dangerous Goods of Class 3.  
For the keeping of Dangerous Goods of Classes 3 and/or 4. Truck B. 8012(4)

1. Name of occupier including full christian names.	<u>JOHN YEHUDA</u> <u>BUKI.</u>
2. Trading Name (if any)	<u>QUARTLYS S/STN.</u>
3. Locality of the premises in which the depot or depots are situated	No. or Name <u>O'RIO RD ANST.</u> Street <u>4 KING. ST</u> Town <u>MASCOT.</u>
4. Postal address	Postcode <u>2020</u>
5. Occupation	<u>S/SE Prop.</u>
6. Nature of premises (dwelling, garage etc.)	<u>S/SE</u>

7. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

PLEASE ATTACH PLAN OF PREMISES

Depot No.	Construction of depots*			Inflammable liquid		Dangerous goods						
	Walls	Roof	Floor	Mineral spirit gallons	Mineral oil gallons	Class 1 gallons	Class 2 gallons	Class 3 lb	Class 4 cu ft	Class 5A water gal	Class 5B water gal	Class 9 gallons
1	<u>Underground Tank</u>			<u>6000</u>								
2				<u>3000</u>								
3				<u>1000</u>								
4				<u>1000</u>								
5					<u>1000</u>							
6	<u>Cylinders of 100 lb.</u>									<u>40</u>		
7												
8												
9												
10												

\*If product is kept in tanks describe depots as underground or aboveground tanks.

Signature of applicant [Signature]

Date of application \_\_\_\_\_, 19\_\_

A. Lawrence Barker being an Inspector under the Inflammable Liquid Act, 1915 (as amended), do hereby certify that the premises or store herein referred to and described is suit-

## INFLAMMABLE LIQUID ACT, 1915 (AS AMENDED)

Application for Registration of Premises or Store Licence under Division B. or for the transfer, alteration or amendment of any such Registration or Licence, for the keeping of Inflammable Liquid and/or Dangerous Goods, in accordance with the provisions of the Inflammable Liquid Act, 1915 (as amended), for the ensuing year.

SEE PAGE 4 FOR DETAILS OF FEES PAYABLE AND DISTANCES FROM PROTECTED WORKS

## DIRECTIONS

SHELL

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, Box R.216, Royal Exchange Sydney, N.S.W. 2000 and must be accompanied by the prescribed fee.

Registration of Premises - For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept in separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.

In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil

Store Licence, Div. A - For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1, 2 and 9.

Store Licence, Div. B (Fee, See Regulation 7) - For quantities exceeding 4,000 gallons of mineral spirit, and/or Dangerous Goods of Classes 1 and 2, and/or Dangerous Goods of Class 3.

For the keeping of Dangerous Goods of Classes 3 and/or 4.

T<sup>h</sup> B8012(4)

1. Name of occupier including full christian names.

MILSON

MARTIN

2. Trading Name (if any)

QUARTLYS S/STN.

3. Locality of the premises in which the depot or depots are situated

No. or Name

O'Riordan &amp;

Street

KING STS.

Town

MASLOT.

4. Postal address

Postcode 2020

5. Occupation

S/STN PROP.

6. Nature of premises (dwelling, garage etc.)

S/STN

7. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

## PLEASE ATTACH PLAN OF PREMISES

Depot No.	Construction of depots*			Inflammable liquid		Dangerous goods						
	Walls	Roof	Floor	Mineral spirit gallons	Mineral oil gallons	Class 1 gallons	Class 2 gallons	Class 3 lb	Class 4 cu ft	Class 5A water gal	Class 5B water gal	Class 9 gallons
1	Underground Tank			6000								
2	—			3000								
3	—			1000								
4	—			1000								
5	—			<del>1000</del>	1000							
6	—				1000							
7												
8												
9												
10												

PUBLIC REVENUE A/c.

Cash \$ 4.00

(Date)

5/7/73

Receipt No.

7347

\*If product is kept in tanks describe depots as underground or aboveground tanks.

Signature of applicant

M Martin

Date of application, 19

CERTIFICATE OF INSPECTION

Being an Inspector under the Inflammable

The Chief Inspector of Inflammable Liquids,

Box 48, G.P.O.,

Sydney.



Inflammable Liquid Act, 1915, as amended

**CONTRACTOR'S CERTIFICATE**  
**Underground Tanks**

I hereby certify that the tank(s) as indicated below recently installed by me at the undermentioned premises have fill, dip and suction pipes as detailed hereunder.

Petroleum Company Shell G. of Aust. Ltd.

Address of Premises Cnr. King St and O'Riordan St.  
Mascot.

Name of Occupant W. Gold.  
B. Quantley's Service Station

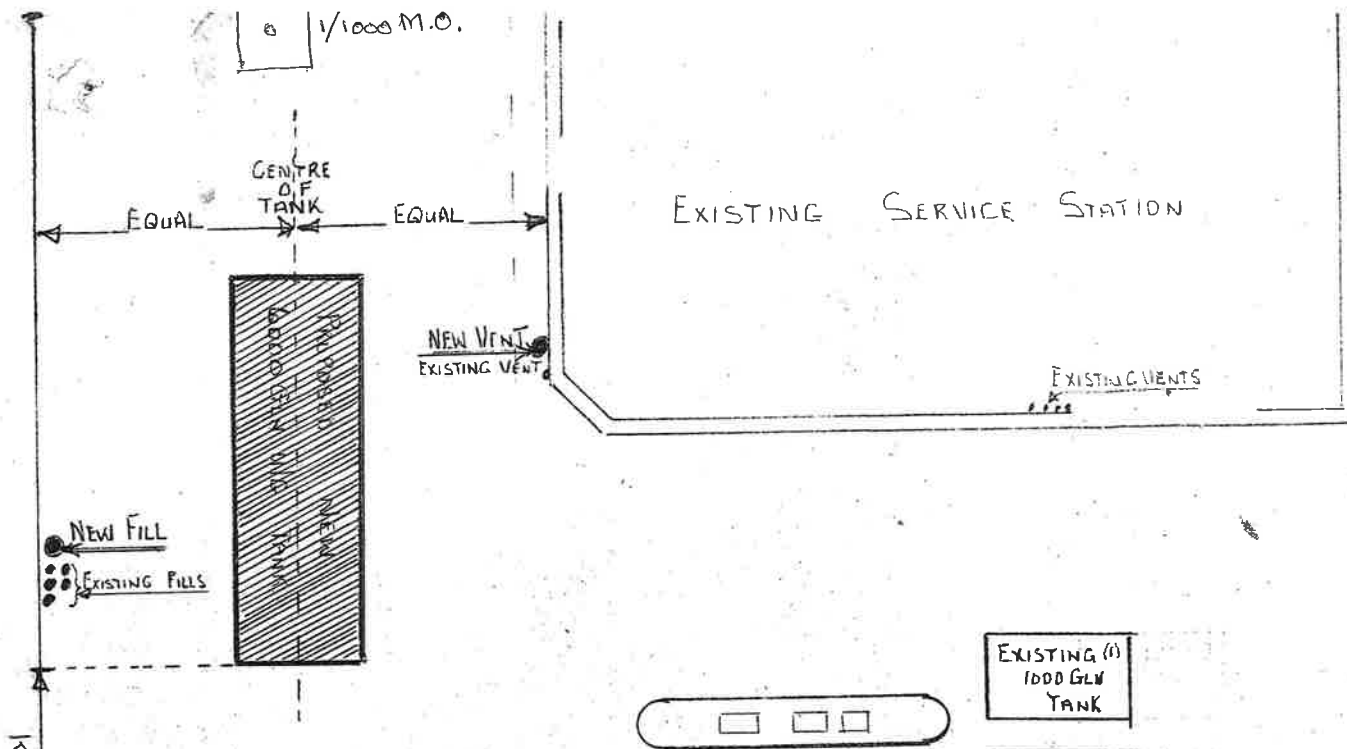
Capacity of each tank and distance in inches between bottom of tank and lower end of internal pipes.

Capacity (Gallons)	Suction Pipe (Inches)	Fill Pipe (Inches)	Dip Pipe (Inches)
3000.	3½"	1¾"	1¼"

H. & O. INSTALLATIONS PTY. LTD.

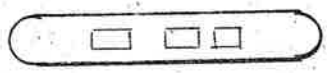
Signed E. Greis

Date 2-3-64



KING STREET  
CROSSING

EXISTING (5)  
3000 GLN  
TANK



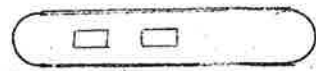
EXISTING (1)  
1000 GLN  
TANK

EXISTING (2)  
1000 GLN  
TANK

EXISTING (4)  
1000 GLN  
TANK

THIS TANK LEAKING  
& IS TO BE ABANDONED

EXISTING (3)  
1000 GLN  
TANK



PROPOSED INSTALLATION 1 X 6000 GLN  
U/G SUPER MISPIRIT TANK  
AT - QUARTLEY'S SERVICE STATION  
CNR KING & O'RIORDAN STS.  
MASCOT  
Scale - 1/4" = 1 ft

Liquid seal in 6,000 gallon U/G  
tank as per drawing No. 106790  
Tank to be installed as per  
Shell Co. Specification No. 016.

CROSSING

CROSSING

## **Site Photos**



Project Ref: E31721KR

Site Address: 215-235 O'Riordan Street and 1-3 Ewan Street, Mascot

Selected Site Photos Dated: 2 November 2018



**Photograph 1:** View of the south-western section of the site.



**Photograph 2:** View of the south-eastern section of the site. Note the charred appearance of the upper section of part of one of the buildings.



**Photograph 3:** The car wash café located to the south of the site.



**Photograph 4:** View of the building located in the central section of the site.



**Photograph 5:** The concrete paved carparking area located in the central-eastern section of the site. The boreholes were drilled and the soil samples for contamination assessment were collected from this area.



**Photograph 6:** Some of the waste bins located in the eastern section of the site.





**Photograph 7:** One of the buildings located in the northern section of the site.



**Photograph 8:** View of the north-eastern section of the site.



**Photograph 9:** View of the north-western section of the site.

## **Appendix B: Borehole Logs**

K 9.01.2 LIBGLB Log JK AUGERHOLE - MASTER 31721VJ MASCOT.GPJ <<DrawingFile>> 16/11/2018 14:27 10.0.000 Datge| Lab and In Situ Tool - DGD | Lib: JK 9.01.2 2018-04-02 Proj: JK 9.01.0 2018-03-20



**Borehole No.**  
**1**  
**2 / 6**

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER, WASHBORE & CASING ADVANCER **R.L. Surface:** ~6.5 m  
**Date:** 24/10/18 TO 25/10/18 **Datum:** AHD  
**Plant Type:** JK500 **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES			Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS									
						-1		SM	as above, but brown. <i>(continued)</i>	W	MD		
						8					D		
						-2							
						9							
						-3							
						10							
						-4					D - VD		
						11							
						-5							
						12			as above, but with organic silty clay/sandy silt bands.		D		
						-6							
						13							
						-7							

JK 9.012 LIB GLB Log JK AUGERHOLE - MASTER 31721VJ MASCOT.GPJ <<DrawingFile>> 16/11/2018 14:27 10.0.000 Dangel Lib and In Situ Tool - DGD | Lib JK 9.012 2018-04-02 Proj JK 9.010 2018-03-20



**Borehole No.**  
**1**  
**3 / 6**

# BOREHOLE LOG

<b>Client:</b> ELDESO GROUP														
<b>Project:</b> PROPOSED MIXED USE DEVELOPMENT														
<b>Location:</b> 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW														
<b>Job No.:</b> 31721VJ				<b>Method:</b> SPIRAL AUGER, WASHBORE & CASING ADVANCER				<b>R.L. Surface:</b> ~6.5 m						
<b>Date:</b> 24/10/18 TO 25/10/18								<b>Datum:</b> AHD						
<b>Plant Type:</b> JK500				<b>Logged/Checked By:</b> B.Z./J.M.										
Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
									SM	as above, but with organic silty clay/sandy silt bands. <i>(continued)</i>	W	D		
						-8								
						15								
						-9								
						16								
						-10			CH	Silty CLAY: high plasticity, grey.	w>PL	F		
					N = 4 0,2,2								80 90 90	
						17								
						-11								
						18								
						-12								
						19								
						-13				as above, but light grey mottled yellow brown.			90 90 90	
					N = 6 0,0,6	20								
						-14								





**Borehole No.**  
**1**  
**4 / 6**

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER, WASHBORE & CASING ADVANCER **R.L. Surface:** ~6.5 m  
**Date:** 24/10/18 TO 25/10/18 **Datum:** AHD  
**Plant Type:** JK500 **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
									CH	as above, but red brown.	w>PL	(St)		
										REFER TO CORED BOREHOLE LOG				GROUNDWATER MONITORING WELL INSTALLED TO 13.2m. CLASS 18 MACHINE SLOTTED 50mm DIA. PVC STANDPIPE 13.2m TO 10.2m. CASING 10.2m TO 0.1m. 2mm SAND FILTER PACK 13.2m TO 9.7m. BENTONITE SEAL 9.7m TO 9.0m. BACKFILLED WITH SAND AND CUTTINGS TO THE SURFACE. COMPLETED WITH A CONCRETED GATIC COVER
							-15							
							22							
							-16							
							23							
							-17							
							24							
							-18							
							25							
							-19							
							26							
							-20							
							27							
							-21							

JK 9.01.2 LIB GLB Log JK AUGERHOLE - MASTER 31721VJ MASCOT.GPJ <<DrawingFile>> 16/11/2018 14:27 10.0.000 Datalib and In Situ Tool - DGD Lib JK 9.01.2 2018-04-02 Proj JK 9.01.0 2018-03-20

# CORED BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Core Size:** NMLC **R.L. Surface:** ~6.5 m  
**Date:** 24/10/18 TO 25/10/18 **Inclination:** VERTICAL **Datum:** AHD  
**Plant Type:** JK500 **Bearing:** N/A **Logged/Checked By:** B.Z./J.M.

Water Loss/Level	Barrel Lift	RL (m AHD)	Depth (m)	Graphic Log	CORE DESCRIPTION Rock Type, grain characteristics, colour, texture and fabric, features, inclusions and minor components	Weathering	Strength	POINT LOAD STRENGTH INDEX $I_p(50)$	SPACING (mm)	DEFECT DETAILS		Formation
										Specific	General	
		-14	21		START CORING AT 21.20m							
		-15			NO CORE 0.45m							
		-16	22		Silty CLAY: high plasticity, light grey.	RS	VSt					
		-17			Extremely Weathered siltstone: silty CLAY, high plasticity, grey and light grey, trace of very low strength iron indurated bands.	XW	Hd					
		-18	23		as above, but grey and yellow brown, with very low strength iron indurated bands.		VSt - Hd					
		-19	24		SILTSTONE: dark grey, with light grey laminae and extremely weathered bands.	XW - HW	VL					
		-20	25			MW	M					
		-21	26				M - H					
		-22					M					
		-23										
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		-100										

1

6 / 6

**Logged/Checked By:** B.Z./J.M.

[illegible]

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER, WASHBORE & CASING ADVANCER **R.L. Surface:** ~6.7 m  
**Date:** 26/10/18 TO 29/10/18 **Datum:** AHD  
**Plant Type:** JK500/WASHBORE **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
										CONCRETE: 150mm.t				
					N = 8 3,3,5		6		-	FILL: Gravelly sand, fine to medium grained, light brown, fine to coarse grained sub angular and angular igneous and sandstone gravel, trace of sub angular and angular igneous and sandstone cobbles.	M			APPEARS POORLY TO MODERATELY COMPACTED
							1		SM	FILL: Silty sand, fine to medium grained, dark brown, with fine to medium grained sub angular ironstone gravel. Silty SAND: fine to medium grained, light grey.	M	L		MARINE
					N = 13 3,7,6		5					MD		
							2							
							4			as above, but brown.				
					N = 21 5,7,14		3			as above, but dark brown.				
							3				W			
							4							
					N > 4 7,4/ 100mm REFUSAL		2					MD - D		
							5							
							1							
					N = 20 5,8,12		6					MD		
							0							



**Borehole No.**  
**2**  
2 / 6

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER, WASHBORE & CASING ADVANCER **R.L. Surface:** ~6.7 m  
**Date:** 26/10/18 TO 29/10/18 **Datum:** AHD  
**Plant Type:** JK500/WASHBORE **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES			Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS									
								SM	as above, but dark brown. (continued)	W	MD		
						-1					D		
						8							
						-2							
						9					D - VD		
						-3							
						10							
						-4							
						11							
						-5							
						12							
						-6							
						13							
						-7							

JK 9.012.LIB.GLB Log JK AUGERHOLE - MASTER 31721VJ MASCOT.GPJ <<DrawingFile>> 16/11/2018 14:27 10.0.000 Dangel Lib and In Situ Tool - DGD | Lib JK 9.012.2018.04.02 Proj JK 9.010.2018.03.20



**Borehole No.**  
**2**  
**3 / 6**

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER, WASHBORE & CASING ADVANCER **R.L. Surface:** ~6.7 m  
**Date:** 26/10/18 TO 29/10/18 **Datum:** AHD  
**Plant Type:** JK500/WASHBORE **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
					N > 30 13,20,10/ 30mm REFUSAL	-8			SM	as above, but dark brown. (continued)	W	D - VD		
						-9								
						-10								
						-11								
					N = 29 5,11,18	-11				as above, but with silty clay bands, trace of timber fragments.		MD		
						-12								
						-13								
						-14			CH	Silty CLAY: high plasticity, light grey mottled yellow brown.	w>PL	(VSt)		RESIDUAL
						-14				see description below,	w~PL	VSt - Hd	350 400 450	

JK 9.012 LIB GLB Log JK AUGERHOLE - MASTER 31721VJ MASCOT.GPJ <<DrawingFile>> 16/11/2018 14:27 10,000 Datalib and In Situ Tool - DGD Lib JK 9.012 2018-04-02 Proj JK 9.010 2018-03-20



**Borehole No.**  
**2**  
**4 / 6**

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER, WASHBORE & CASING ADVANCER **R.L. Surface:** ~6.7 m  
**Date:** 26/10/18 TO 29/10/18 **Datum:** AHD  
**Plant Type:** JK500/WASHBORE **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
						-15	22		CH	as above, but light grey and red brown, trace of fine to medium grained sub angular ironstone gravel.	w-PL	VSt - Hd		
						-16	23			REFER TO CORED BOREHOLE LOG				GROUNDWATER MONITORING WELL INSTALLED TO 14.2m. CLASS 18 MACHINE SLOTTED 50mm DIA. PVC STANDPIPE 14.2m TO 9.2m. CASING 9.2m TO 0.0m. 2mm SAND FILTER PACK 14.2m TO 10.0m. BENTONITE SEAL 10.0m TO 9.5m. BACKFILLED WITH SAND AND CUTTINGS TO THE SURFACE. COMPLETED WITH A CONCRETED GATIC COVER
						-17	24							
						-18	25							
						-19	26							
						-20	27							
						-21								

JK 9.012.LIB.GLB Log JK AUGERHOLE - MASTER 31721VJ MASCOT.GPJ <<DrawingFile>> 16/11/2018 14:27 10.0.000 DwgLib and In Situ Tool - DGD Lib JK 9.012.2018.04.02 Proj JK 9.010.2018.03.20



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[illegible]

FRACTURES NOT MARKED ARE CONSIDERED TO BE DRILLING AND HANDLING BREAKS

# CORED BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Core Size:** NMLC **R.L. Surface:** ~6.7 m  
**Date:** 26/10/18 TO 29/10/18 **Inclination:** VERTICAL **Datum:** AHD  
**Plant Type:** JK500/WASHBORE **Bearing:** N/A **Logged/Checked By:** B.Z./J.M.

Water Loss/Level	Barrel Lift	RL (m AHD)	Depth (m)	Graphic Log	CORE DESCRIPTION Rock Type, grain characteristics, colour, texture and fabric, features, inclusions and minor components	Weathering	Strength	POINT LOAD STRENGTH INDEX $I_p(50)$	SPACING (mm)	DEFECT DETAILS		Formation
										DESCRIPTION		
										Type, orientation, defect roughness and shape, defect coatings and seams, openness and thickness		
										Specific	General	
100% RETURN			-22		as above, but trace of extremely weathered bands. (continued)	SW	L - M	0.50				Ashfield Shale
								0.70				
								1.7				
			-29					0.70				
								0.90				
								0.70				
			-23					0.90				
								2.8				
			-30					3.0				
			-24									
			-25		END OF BOREHOLE AT 30.90 m							
			-32									
			-26									
			-33									
			-27									
			-34									
			-28									

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER **R.L. Surface:** ~6.7 m  
**Date:** 30/10/18 **Datum:** AHD  
**Plant Type:** JK500 **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
										CONCRETE: 100mm.t	M			
					N = 10 3,5,5	6			SM	FILL: Gravelly sand, fine to medium grained, dark brown, fine to medium grained sub angular igneous and ironstone gravel. Silty SAND: fine to medium grained, grey.	M	L - MD		POSSIBLE FILL
					N = 20 5,7,13	5				Silty SAND: fine to medium grained, dark brown.	M	MD		MARINE ORGANIC ODOUR
					N = 22 5,8,14	3					W			
					N = 21 5,7,14	2								
					N = 12 2,2,10	0				as above, but with silty clay to clayey silt bands.				



**Borehole No.**  
**3**  
**2 / 6**

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER **R.L. Surface:** ~6.7 m  
**Date:** 30/10/18 **Datum:** AHD  
**Plant Type:** JK500 **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
							-1			Silty SAND: fine to medium grained, dark brown.	W	MD		
							8		SM	as above, but light grey.				
							-2							
							9					MD - VD		SPT SAMPLER MAY HAVE BEEN FILLED PRIOR TO TESTING AND THEREFORE 'N' COUNTS MAY BE HIGHER THAN USUAL; FOR TESTS AT 9.0m, 10.5m AND 15.0m DEPTHS
							-3							
							10							
							-4							
							11							
							-5							
							12							
							-6							
							13							
							-7							

JK 9.012.LIB.GLB Log JK AUGERHOLE - MASTER 31721VJ MASCOT.GPJ <<DrawingFile>> 16/11/2018 14:27 10.0.000 Dangel Lib and In Situ Tool - DGD Lib JK 9.012.2018.04.02 Proj JK 9.010.2018.03.20



**Borehole No.**  
**3**  
**3 / 6**

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER **R.L. Surface:** ~6.7 m  
**Date:** 30/10/18 **Datum:** AHD  
**Plant Type:** JK500 **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
									SM	as above, but light grey. (continued)	W	MD - VD		
					N=SPT 24/ 150mm REFUSAL		15			as above, but with high plasticity, dark grey organic clay bands, trace of timber fragments.				
							16							
							17							
							18		CH	Sandy CLAY: high plasticity, grey, with fine to medium grained dark brown clayey sand bands.	w>PL	F	80 70 70	RESIDUAL
					N > 25 2,15,10/ 50mm REFUSAL		19							
							20							
							21							
							22							
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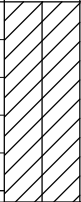


**Borehole No.**  
**3**  
**4 / 6**

# BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ **Method:** SPIRAL AUGER **R.L. Surface:** ~6.7 m  
**Date:** 30/10/18 **Datum:** AHD  
**Plant Type:** JK500 **Logged/Checked By:** B.Z./J.M.

Groundwater Record	SAMPLES				Field Tests	RL (m AHD)	Depth (m)	Graphic Log	Unified Classification	DESCRIPTION	Moisture Condition/ Weathering	Strength/ Rel Density	Hand Penetrometer Readings (kPa)	Remarks
	ES	U50	DB	DS										
						-15	22		CH	Silty CLAY: high plasticity, light grey.	w>PL	(Vst)		
						-16	23			REFER TO CORED BOREHOLE LOG				GROUNDWATER MONITORING WELL INSTALLED TO 11.5m. CLASS 18 MACHINE SLOTTED 50mm DIA. PVC STANDPIPE 11.5m TO 8.5m. CASING 8.5m TO 0.0m. 2mm SAND FILTER PACK 11.5m TO 8.0m. BENTONITE SEAL 8.0m TO 7.0m. BACKFILLED WITH SAND AND CUTTINGS TO THE SURFACE. COMPLETED WITH A CONCRETED GATIC COVER
						-17	24							
						-18	25							
						-19	26							
						-20	27							
						-21								

JK 9.01.2 LIB.GLB Log JK AUGERHOLE - MASTER 31721VJ MASCOT.GPJ <<DrawingFile>> 16/11/2018 14:28 10,000 Datalib and In Situ Tool - DGD Lib JK 9.01.2 2018-04-02 Proj JK 9.01.0 2018-03-20

<div>Client: ELDESO GROUP</div> <div>Project: PROPOSED MIXED USE DEVELOPMENT</div> <div>Location: 215-235 O'RIORDAN STREET &amp; 1-3 EWAN PLACE, MASCOT, NSW</div>																																																																																																																																																																																																																																																																						
<div>Job No.: 31721VJ</div> <div>Core Size: NMLC</div> <div>R.L. Surface: ~6.7 m</div> <div>Date: 30/10/18</div> <div>Inclination: VERTICAL</div> <div>Datum: AHD</div> <div>Plant Type: JK500</div> <div>Bearing: N/A</div> <div>Logged/Checked By: B.Z./J.M.</div>																																																																																																																																																																																																																																																																						
<table><tr><th rowspan="2">Water Loss/Level</th><th rowspan="2">Barrel Lift</th><th rowspan="2">RL (m AHD)</th><th rowspan="2">Depth (m)</th><th rowspan="2">Graphic Log</th><th rowspan="2">CORE DESCRIPTION</th><th rowspan="2">Weathering</th><th rowspan="2">Strength</th><th rowspan="2">POINT LOAD STRENGTH INDEX I<sub>s</sub>(50)</th><th colspan="3">DEFECT DETAILS</th><th rowspan="2">Formation</th></tr><tr><th>SPACING (mm)</th><th colspan="2">DESCRIPTION</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Rock Type, grain characteristics, colour, texture and fabric, features, inclusions and minor components</td><td></td><td></td><td>VL -0.1 L -0.3 M -1 H -3 VH -10 EH</td><td>600 200 60 20</td><td colspan="2">Type, orientation, defect roughness and shape, defect coatings and seams, openness and thickness</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Specific</td><td>General</td><td></td></tr><tr><td></td><td></td><td></td><td>-15</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>22</td><td></td><td>START CORING AT 22.06m</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>-16</td><td></td><td>Extremely Weathered siltstone: silty CLAY, high plasticity. light grey and red brown.</td><td>XW</td><td>Hd</td><td></td><td></td><td></td><td></td><td></td><td>(22.20m) HP: 450, 500, 550 kPa</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>as above, but light grey and brown, with very low strength bands and very low strength iron indurated bands.</td><td>XW - HW</td><td>Hd - VL</td><td></td><td></td><td></td><td></td><td></td><td>(22.50m) HP: 550, 600, &gt;600 kPa</td></tr><tr><td></td><td></td><td></td><td>23</td><td></td><td>NO CORE 0.50m</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>-17</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>(23.60m) HP: 400, 420, 450 kPa</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Extremely Weathered siltstone: silty CLAY, high plasticity, grey and red brown, with very low to low strength iron indurated bands..</td><td>XW</td><td>Hd</td><td></td><td></td><td></td><td></td><td></td><td>(23.80m) HP: 550, 560, 580 kPa</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>SILTSTONE: dark grey, with brown and light grey laminae, and clay bands.</td><td>XW - HW</td><td>VL</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>-18</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>(24.80m) HP: 300, 350, 420, 450, 500 kPa</td></tr><tr><td></td><td></td><td></td><td>25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>-19</td><td></td><td>SILTSTONE: dark grey, with light grey laminae, and extremely weathered bands.</td><td>HW</td><td>VL - L</td><td></td><td></td><td></td><td></td><td></td><td>(25.40-26.50m) NUMEROUS XWS &amp; CS</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>(26.15m) J, 80°, Un, R, Cn</td></tr><tr><td></td><td></td><td></td><td>-20</td><td></td><td>as above, but trace of extremely weathered bands.</td><td>SW</td><td>L - M</td><td></td><td></td><td></td><td></td><td></td><td>(26.59m) J, 80°, Un, R, Cn (26.61m) XWS, 0°, 4 mm.t (26.63m) XWS, 0°, 8 mm.t (26.66m) XWS, 0°, 7 mm.t (26.72m) XWS, 0°, 5 mm.t (26.89m) J, 65°, P, R, Cn (26.91m) CS, 0°, 5 mm.t (26.94m) CS, 0°, 10 mm.t (27.18m) XWS, 0°, 6 mm.t</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>(27.31m) J, 25°, P, R, Cn (27.35m) J, 40°, P, R, Cn (27.40m) XWS, 0°, 40 mm.t (27.50m) J, 85°, P, R, Cn (27.40-27.76m) FRAGMENTED ZONE</td></tr><tr><td></td><td></td><td></td><td>-21</td><td></td><td></td><td></td><td>MW</td><td></td><td></td><td></td><td></td><td></td><td>(27.76-28.00m) NUMEROUS XWS &amp; CS, 0°, 3-5mm.t</td></tr></table>										Water Loss/Level	Barrel Lift	RL (m AHD)	Depth (m)	Graphic Log	CORE DESCRIPTION	Weathering	Strength	POINT LOAD STRENGTH INDEX I <sub>s</sub> (50)	DEFECT DETAILS			Formation	SPACING (mm)	DESCRIPTION							Rock Type, grain characteristics, colour, texture and fabric, features, inclusions and minor components			VL -0.1 L -0.3 M -1 H -3 VH -10 EH	600 200 60 20	Type, orientation, defect roughness and shape, defect coatings and seams, openness and thickness														Specific	General					-15														22		START CORING AT 22.06m												-16		Extremely Weathered siltstone: silty CLAY, high plasticity. light grey and red brown.	XW	Hd						(22.20m) HP: 450, 500, 550 kPa						as above, but light grey and brown, with very low strength bands and very low strength iron indurated bands.	XW - HW	Hd - VL						(22.50m) HP: 550, 600, >600 kPa				23		NO CORE 0.50m												-17										(23.60m) HP: 400, 420, 450 kPa						Extremely Weathered siltstone: silty CLAY, high plasticity, grey and red brown, with very low to low strength iron indurated bands..	XW	Hd						(23.80m) HP: 550, 560, 580 kPa						SILTSTONE: dark grey, with brown and light grey laminae, and clay bands.	XW - HW	VL										-18										(24.80m) HP: 300, 350, 420, 450, 500 kPa				25														-19		SILTSTONE: dark grey, with light grey laminae, and extremely weathered bands.	HW	VL - L						(25.40-26.50m) NUMEROUS XWS & CS														(26.15m) J, 80°, Un, R, Cn				-20		as above, but trace of extremely weathered bands.	SW	L - M						(26.59m) J, 80°, Un, R, Cn (26.61m) XWS, 0°, 4 mm.t (26.63m) XWS, 0°, 8 mm.t (26.66m) XWS, 0°, 7 mm.t (26.72m) XWS, 0°, 5 mm.t (26.89m) J, 65°, P, R, Cn (26.91m) CS, 0°, 5 mm.t (26.94m) CS, 0°, 10 mm.t (27.18m) XWS, 0°, 6 mm.t														(27.31m) J, 25°, P, R, Cn (27.35m) J, 40°, P, R, Cn (27.40m) XWS, 0°, 40 mm.t (27.50m) J, 85°, P, R, Cn (27.40-27.76m) FRAGMENTED ZONE				-21				MW						(27.76-28.00m) NUMEROUS XWS & CS, 0°, 3-5mm.t
Water Loss/Level	Barrel Lift	RL (m AHD)	Depth (m)	Graphic Log	CORE DESCRIPTION	Weathering	Strength	POINT LOAD STRENGTH INDEX I <sub>s</sub> (50)	DEFECT DETAILS										Formation																																																																																																																																																																																																																																																			
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			-20		as above, but trace of extremely weathered bands.	SW	L - M						(26.59m) J, 80°, Un, R, Cn (26.61m) XWS, 0°, 4 mm.t (26.63m) XWS, 0°, 8 mm.t (26.66m) XWS, 0°, 7 mm.t (26.72m) XWS, 0°, 5 mm.t (26.89m) J, 65°, P, R, Cn (26.91m) CS, 0°, 5 mm.t (26.94m) CS, 0°, 10 mm.t (27.18m) XWS, 0°, 6 mm.t																																																																																																																																																																																																																																																									
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			-21				MW						(27.76-28.00m) NUMEROUS XWS & CS, 0°, 3-5mm.t																																																																																																																																																																																																																																																									



# CORED BOREHOLE LOG

**Client:** ELDESO GROUP  
**Project:** PROPOSED MIXED USE DEVELOPMENT  
**Location:** 215-235 O'RIORDAN STREET & 1-3 EWAN PLACE, MASCOT, NSW

**Job No.:** 31721VJ      **Core Size:** NMLC      **R.L. Surface:** ~6.7 m  
**Date:** 30/10/18      **Inclination:** VERTICAL      **Datum:** AHD  
**Plant Type:** JK500      **Bearing:** N/A      **Logged/Checked By:** B.Z./J.M.

Water Loss/Level	Barrel Lift	RL (m AHD)	Depth (m)	Graphic Log	CORE DESCRIPTION Rock Type, grain characteristics, colour, texture and fabric, features, inclusions and minor components	Weathering	Strength	POINT LOAD STRENGTH INDEX I <sub>s</sub> (50)	DEFECT DETAILS		Formation										
									SPACING (mm)	DESCRIPTION Type, orientation, defect roughness and shape, defect coatings and seams, openness and thickness											
100% RETURN		-22	29		as above, but trace of extremely weathered bands. (continued)	FR	M - H			(28.10m) XWS, 0°, 30 mm.t	Ashfield Shale										
										(28.28m) J, 30°, Un, R, Cn (28.30m) XWS, 0°, 8 mm.t (28.32m) XWS, 0°, 7 mm.t (28.34m) J, 35°, Un, R, Cn (28.46m) J, 65°, Un, Cn											
										(28.81m) J, 80°, P, R, Cn											
										(29.04m) J, 12°, Un, R, Cn (29.15m) XWS, 0°, 5 mm.t											
										(29.39m) XWS, 0°, 2 mm.t											
										(30.15m) J, 33°, Un, R, Cn											
										(30.38m) J, 70°, P, R, Cn											
										(30.68m) XWS, 0°, 5 mm.t											
										END OF BOREHOLE AT 30.84 m											
													-25	31							
		-26	32																		
		-27	33																		
		-28	34																		

# ENVIRONMENTAL LOGS EXPLANATORY 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 in situ 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<sub>c</sub>' 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	

### Laboratory Classification Criteria

A well graded coarse grained soil is one for which the coefficient of uniformity  $C_u > 4$  and the coefficient of curvature  $1 < C_c < 3$ . Otherwise, the soil is poorly graded. These coefficients are given by:

$$C_u = \frac{D_{60}}{D_{10}} \quad \text{and} \quad C_c = \frac{(D_{30})^2}{D_{10} D_{60}}$$

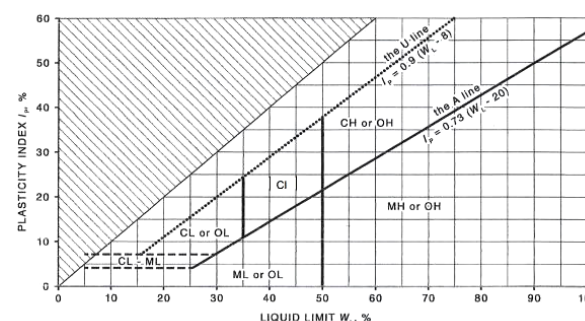
Where  $D_{10}$ ,  $D_{30}$  and  $D_{60}$  are those grain sizes for which 10%, 30% and 60% of the soil grains, respectively, are smaller.

### NOTES:

- 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.
- 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.
- Clay soils with liquid limits  $> 35\%$  and  $\leq 50\%$  may be classified as being of medium plasticity.
- The U line on the Modified Casagrande Chart is an approximate upper bound for most natural soils.

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	—	—	—	—

### 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.
	—C—	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 <sub>c</sub> =	5
		7
		3R
	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	Moisture content estimated to be greater than plastic limit.
	w ≈ PL	Moisture content estimated to be approximately equal to plastic limit.
	w < PL	Moisture content estimated to be less than plastic limit.
	w ≈ LL	Moisture content estimated to be near liquid limit.
	w > LL	Moisture content estimated to be wet of liquid limit.
	(Coarse Grained Soils)	
Strength (Consistency) Cohesive Soils	D	DRY – runs freely through fingers.
	M	MOIST – does not run freely but no free water visible on soil surface.
	W	WET – free water visible on soil surface.
	VS	VERY SOFT – unconfined compressive strength ≤ 25kPa.
	S	SOFT – unconfined compressive strength > 25kPa and ≤ 50kPa.
	F	FIRM – unconfined compressive strength > 50kPa and ≤ 100kPa.
Density Index/ Relative Density (Cohesionless Soils)	St	STIFF – unconfined compressive strength > 100kPa and ≤ 200kPa.
	VSt	VERY STIFF – unconfined compressive strength > 200kPa and ≤ 400kPa.
	Hd	HARD – unconfined compressive strength > 400kPa.
	Fr	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	VERY LOOSE ≤ 15
	L	LOOSE > 15 and ≤ 35
	MD	MEDIUM DENSE > 35 and ≤ 65
	D	DENSE > 65 and ≤ 85
	VD	VERY DENSE > 85
	( )	Bracketed symbol indicates estimated density based on ease of drilling or other assessment.
Hand Penetrometer Readings	300	Measures reading in kPa of unconfined compressive strength. Numbers indicate individual test results on representative undisturbed material unless noted otherwise.
	250	



# Log Symbols continued

Log Column	Symbol	Definition
Remarks	'V' bit 'TC' bit  Soil Origin	Hardened steel 'V' shaped bit. Twin pronged tungsten carbide bit. Penetration of auger string in mm under static load of rig applied by drill head hydraulics without rotation of augers. 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 C: Laboratory Report/s & COC Documents**

## CERTIFICATE OF ANALYSIS 205069

### Client Details

<b>Client</b>	Environmental Investigation Services
<b>Attention</b>	Priya Dass
<b>Address</b>	PO Box 976, North Ryde BC, NSW, 1670

### Sample Details

<b>Your Reference</b>	<u>E31721KR, Mascot</u>
<b>Number of Samples</b>	34 SOIL
<b>Date samples received</b>	07/11/2018
<b>Date completed instructions received</b>	07/11/2018

### 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

<b>Date results requested by</b>	14/11/2018
<b>Date of Issue</b>	14/11/2018
NATA Accreditation Number 2901. This document shall not be reproduced except in full.	
Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b>	

#### Asbestos Approved By

Analysed by Asbestos Approved Identifier: Lucy Zhu  
 Authorised by Asbestos Approved Signatory: Lucy Zhu

#### Results Approved By

Jeremy Faircloth, Organics Supervisor  
 Long Pham, Team Leader, Metals  
 Lucy Zhu, Asbestos Analyst  
 Nancy Zhang, Assistant Lab Manager  
 Nick Sarlamis, Inorganics Supervisor  
 Steven Luong, Senior Chemist

#### Authorised By



Jacinta Hurst, Laboratory Manager

## vTRH(C6-C10)/BTEXN in Soil

Our Reference		205069-1	205069-13	205069-14	205069-22	205069-25
Your Reference	UNITS	BH1	BH2	BH2	BH3	BH3
Depth		0.13-0.3	0.5-0.95	1.0-1.5	0.15-0.3	1.5-1.95
Date Sampled		25/10/2018	26/10/2018	26/10/2018	30/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL	SOIL	SOIL
Date extracted	-	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
Date analysed	-	09/11/2018	09/11/2018	09/11/2018	09/11/2018	09/11/2018
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> 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	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	113	109	114	111	106

## vTRH(C6-C10)/BTEXN in Soil

Our Reference		205069-32	205069-34
Your Reference	UNITS	DUP1	TB
Depth		-	-
Date Sampled		30/10/2018	24/10/2018
Type of sample		SOIL	SOIL
Date extracted	-	08/11/2018	08/11/2018
Date analysed	-	09/11/2018	09/11/2018
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25
Benzene	mg/kg	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1
m+p-xylene	mg/kg	<2	<2
o-Xylene	mg/kg	<1	<1
naphthalene	mg/kg	<1	<1
Total +ve Xylenes	mg/kg	<1	<1
Surrogate aaa-Trifluorotoluene	%	102	112

## svTRH (C10-C40) in Soil

Our Reference		205069-1	205069-13	205069-14	205069-22	205069-25
Your Reference	UNITS	BH1	BH2	BH2	BH3	BH3
Depth		0.13-0.3	0.5-0.95	1.0-1.5	0.15-0.3	1.5-1.95
Date Sampled		25/10/2018	26/10/2018	26/10/2018	30/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL	SOIL	SOIL
Date extracted	-	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
Date analysed	-	10/11/2018	10/11/2018	10/11/2018	10/11/2018	10/11/2018
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100	<100	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	94	96	100	93	95

## svTRH (C10-C40) in Soil

Our Reference		205069-32
Your Reference	UNITS	DUP1
Depth		-
Date Sampled		30/10/2018
Type of sample		SOIL
Date extracted	-	08/11/2018
Date analysed	-	10/11/2018
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100
Total +ve TRH (>C10-C40)	mg/kg	<50
Surrogate o-Terphenyl	%	90

PAHs in Soil						
Our Reference		205069-1	205069-13	205069-14	205069-22	205069-25
Your Reference	UNITS	BH1	BH2	BH2	BH3	BH3
Depth		0.13-0.3	0.5-0.95	1.0-1.5	0.15-0.3	1.5-1.95
Date Sampled		25/10/2018	26/10/2018	26/10/2018	30/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL	SOIL	SOIL
Date extracted	-	08/11/2018	08/11/2018	08/11/2018	09/11/2018	08/11/2018
Date analysed	-	09/11/2018	09/11/2018	14/11/2018	09/11/2018	14/11/2018
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	<0.1	0.1	<0.1	0.3	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.3	<0.1	0.4	<0.1
Pyrene	mg/kg	<0.1	0.4	<0.1	0.4	<0.1
Benzo(a)anthracene	mg/kg	<0.1	0.2	<0.1	0.2	<0.1
Chrysene	mg/kg	<0.1	0.2	<0.1	0.2	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	0.4	<0.2	0.4	<0.2
Benzo(a)pyrene	mg/kg	<0.05	0.2	<0.05	0.2	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.1	<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	0.2	<0.1	0.2	<0.1
Total +ve PAH's	mg/kg	<0.05	2.1	<0.05	2.3	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	107	110	102	105	103



PAHs in Soil		
Our Reference		205069-32
Your Reference	UNITS	DUP1
Depth		-
Date Sampled		30/10/2018
Type of sample		SOIL
Date extracted	-	08/11/2018
Date analysed	-	14/11/2018
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	<0.1
Acenaphthene	mg/kg	<0.1
Fluorene	mg/kg	<0.1
Phenanthrene	mg/kg	0.1
Anthracene	mg/kg	<0.1
Fluoranthene	mg/kg	0.2
Pyrene	mg/kg	0.2
Benzo(a)anthracene	mg/kg	0.1
Chrysene	mg/kg	0.2
Benzo(b,j+k)fluoranthene	mg/kg	0.3
Benzo(a)pyrene	mg/kg	0.2
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1
Benzo(g,h,i)perylene	mg/kg	0.1
Total +ve PAH's	mg/kg	1.4
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	92

Organochlorine Pesticides in soil				
Our Reference		205069-1	205069-13	205069-22
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.13-0.3	0.5-0.95	0.15-0.3
Date Sampled		25/10/2018	26/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL
Date extracted	-	08/11/2018	08/11/2018	08/11/2018
Date analysed	-	08/11/2018	08/11/2018	08/11/2018
HCB	mg/kg	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	1.7	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1
Surrogate TCMX	%	99	108	98

Organophosphorus Pesticides				
Our Reference		205069-1	205069-13	205069-22
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.13-0.3	0.5-0.95	0.15-0.3
Date Sampled		25/10/2018	26/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL
Date extracted	-	08/11/2018	08/11/2018	08/11/2018
Date analysed	-	08/11/2018	08/11/2018	08/11/2018
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1
Surrogate TCMX	%	99	108	98

PCBs in Soil				
Our Reference		205069-1	205069-13	205069-22
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.13-0.3	0.5-0.95	0.15-0.3
Date Sampled		25/10/2018	26/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL
Date extracted	-	08/11/2018	08/11/2018	08/11/2018
Date analysed	-	08/11/2018	08/11/2018	08/11/2018
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1
Surrogate TCLMX	%	99	108	98

## Acid Extractable metals in soil

Our Reference		205069-1	205069-13	205069-14	205069-22	205069-25
Your Reference	UNITS	BH1	BH2	BH2	BH3	BH3
Depth		0.13-0.3	0.5-0.95	1.0-1.5	0.15-0.3	1.5-1.95
Date Sampled		25/10/2018	26/10/2018	26/10/2018	30/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL	SOIL	SOIL
Date prepared	-	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
Date analysed	-	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	0.7	<0.4	<0.4	<0.4
Chromium	mg/kg	2	8	<1	2	2
Copper	mg/kg	2	140	2	15	<1
Lead	mg/kg	5	220	4	45	3
Mercury	mg/kg	<0.1	0.9	<0.1	0.1	<0.1
Nickel	mg/kg	1	3	<1	3	<1
Zinc	mg/kg	8	300	20	53	5

## Acid Extractable metals in soil

Our Reference		205069-32
Your Reference	UNITS	DUP1
Depth		-
Date Sampled		30/10/2018
Type of sample		SOIL
Date prepared	-	08/11/2018
Date analysed	-	08/11/2018
Arsenic	mg/kg	<4
Cadmium	mg/kg	<0.4
Chromium	mg/kg	2
Copper	mg/kg	14
Lead	mg/kg	43
Mercury	mg/kg	0.1
Nickel	mg/kg	4
Zinc	mg/kg	50

Moisture						
Our Reference	UNITS	205069-1	205069-13	205069-14	205069-22	205069-25
Your Reference		BH1	BH2	BH2	BH3	BH3
Depth		0.13-0.3	0.5-0.95	1.0-1.5	0.15-0.3	1.5-1.95
Date Sampled		25/10/2018	26/10/2018	26/10/2018	30/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL	SOIL	SOIL
Date prepared	-	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
Date analysed	-	09/11/2018	09/11/2018	09/11/2018	09/11/2018	09/11/2018
Moisture	%	16	6.5	1.7	19	5.5

Moisture		
Our Reference	UNITS	205069-32
Your Reference		DUP1
Depth		-
Date Sampled		30/10/2018
Type of sample		SOIL
Date prepared	-	08/11/2018
Date analysed	-	09/11/2018
Moisture	%	15

Asbestos ID - soils				
Our Reference	UNITS	205069-1	205069-13	205069-22
Your Reference		BH1	BH2	BH3
Depth		0.13-0.3	0.5-0.95	0.15-0.3
Date Sampled		25/10/2018	26/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL
Date analysed	-	12/11/2018	12/11/2018	12/11/2018
Sample mass tested	g	Approx. 35g	Approx. 40g	Approx. 30g
Sample Description	-	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks
Asbestos ID in soil	-	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



sPOCAS + %S w/w						
Our Reference		205069-4	205069-9	205069-13	205069-16	205069-24
Your Reference	UNITS	BH1	BH1	BH2	BH2	BH3
Depth		1.8-2.0	7.5-7.95	0.5-0.95	3.0-3.45	1.0-1.5
Date Sampled		25/10/2018	25/10/2018	26/10/2018	26/10/2018	30/10/2018
Type of sample		SOIL	SOIL	SOIL	SOIL	SOIL
Date prepared	-	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
Date analysed	-	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
pH <sub>KCl</sub>	pH units	6.4	5.0	8.8	5.5	5.3
TAA pH 6.5	moles H <sup>+</sup> /t	<5	<5	<5	<5	<5
s-TAA pH 6.5	%w/w S	<0.01	<0.01	<0.01	<0.01	<0.01
pH <sub>OX</sub>	pH units	4.4	3.0	7.0	5.0	4.3
TPA pH 6.5	moles H <sup>+</sup> /t	18	80	<5	<5	<5
s-TPA pH 6.5	%w/w S	0.03	0.13	<0.01	<0.01	<0.01
TSA pH 6.5	moles H <sup>+</sup> /t	18	76	<5	<5	<5
s-TSA pH 6.5	%w/w S	0.03	0.12	<0.01	<0.01	<0.01
ANC <sub>E</sub>	% CaCO <sub>3</sub>	<0.05	<0.05	0.31	<0.05	<0.05
a-ANC <sub>E</sub>	moles H <sup>+</sup> /t	<5	<5	62	<5	<5
s-ANC <sub>E</sub>	%w/w S	<0.05	<0.05	0.10	<0.05	<0.05
S <sub>KCl</sub>	%w/w S	0.005	0.01	<0.005	<0.005	0.005
S <sub>P</sub>	%w/w	0.02	0.12	0.01	0.009	0.01
S <sub>POS</sub>	%w/w	0.01	0.11	0.007	0.006	0.008
a-S <sub>POS</sub>	moles H <sup>+</sup> /t	6	66	<5	<5	<5
Ca <sub>KCl</sub>	%w/w	0.03	0.007	0.12	0.03	0.06
Ca <sub>P</sub>	%w/w	0.04	0.007	0.17	0.03	0.06
Ca <sub>A</sub>	%w/w	<0.005	<0.005	0.047	<0.005	<0.005
Mg <sub>KCl</sub>	%w/w	<0.005	<0.005	<0.005	<0.005	<0.005
Mg <sub>P</sub>	%w/w	<0.005	<0.005	<0.005	<0.005	<0.005
Mg <sub>A</sub>	%w/w	<0.005	<0.005	<0.005	<0.005	<0.005
S <sub>HCl</sub>	%w/w S	<0.005	<0.005	<0.005	<0.005	<0.005
S <sub>NAS</sub>	%w/w S	<0.005	<0.005	<0.005	<0.005	<0.005
a-S <sub>NAS</sub>	moles H <sup>+</sup> /t	<5	<5	<5	<5	<5
s-S <sub>NAS</sub>	%w/w S	<0.01	<0.01	<0.01	<0.01	<0.01
Fineness Factor	-	1.5	1.5	1.5	1.5	1.5
a-Net Acidity	moles H <sup>+</sup> /t	6	70	<5	6	7
s-Net Acidity	%w/w S	0.01	0.11	<0.01	0.01	0.01
Liming rate	kg CaCO <sub>3</sub> /t	<0.75	5.3	<0.75	<0.75	<0.75
s-Net Acidity without -ANCE	%w/w S	0.01	0.11	<0.01	0.01	0.012
a-Net Acidity without ANCE	moles H <sup>+</sup> /t	6.3	70	<5	6.2	7.4
Liming rate without ANCE	kg CaCO <sub>3</sub> /t	<0.75	5.3	<0.75	<0.75	<0.75

sPOCAS + %S w/w		
Our Reference		205069-28
Your Reference	UNITS	BH3
Depth		4.5-4.95
Date Sampled		30/10/2018
Type of sample		SOIL
Date prepared	-	08/11/2018
Date analysed	-	08/11/2018
pH <sub>KCl</sub>	pH units	5.1
TAA pH 6.5	moles H <sup>+</sup> /t	<5
s-TAA pH 6.5	%w/w S	<0.01
pH <sub>Ox</sub>	pH units	4.3
TPA pH 6.5	moles H <sup>+</sup> /t	<5
s-TPA pH 6.5	%w/w S	<0.01
TSA pH 6.5	moles H <sup>+</sup> /t	<5
s-TSA pH 6.5	%w/w S	<0.01
ANC <sub>E</sub>	% CaCO <sub>3</sub>	<0.05
a-ANC <sub>E</sub>	moles H <sup>+</sup> /t	<5
s-ANC <sub>E</sub>	%w/w S	<0.05
S <sub>KCl</sub>	%w/w S	<0.005
S <sub>P</sub>	%w/w	<0.005
S <sub>POS</sub>	%w/w	<0.005
a-S <sub>POS</sub>	moles H <sup>+</sup> /t	<5
Ca <sub>KCl</sub>	%w/w	0.007
Ca <sub>P</sub>	%w/w	0.008
Ca <sub>A</sub>	%w/w	<0.005
Mg <sub>KCl</sub>	%w/w	<0.005
Mg <sub>P</sub>	%w/w	<0.005
Mg <sub>A</sub>	%w/w	<0.005
S <sub>HCl</sub>	%w/w S	<0.005
S <sub>NAS</sub>	%w/w S	<0.005
a-S <sub>NAS</sub>	moles H <sup>+</sup> /t	<5
s-S <sub>NAS</sub>	%w/w S	<0.01
Fineness Factor	-	1.5
a-Net Acidity	moles H <sup>+</sup> /t	6
s-Net Acidity	%w/w S	0.01
Liming rate	kg CaCO <sub>3</sub> /t	<0.75
s-Net Acidity without -ANCE	%w/w S	0.01
a-Net Acidity without ANCE	moles H <sup>+</sup> /t	6.0
Liming rate without ANCE	kg CaCO <sub>3</sub> /t	<0.75

Method ID	Methodology Summary
<b>ASB-001</b>	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.
<b>Inorg-008</b>	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
<b>Inorg-064</b>	sPOCAS determined using titrimetric and ICP-AES techniques. Based on Acid Sulfate Soils Laboratory Methods Guidelines, Version 2.1 - June 2004.
<b>Metals-020</b>	Determination of various metals by ICP-AES.
<b>Metals-021</b>	Determination of Mercury by Cold Vapour AAS.
<b>Org-003</b>	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.
<b>Org-003</b>	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).
<b>Org-005</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
<b>Org-005</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's. 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.
<b>Org-006</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
<b>Org-006</b>	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.
<b>Org-008</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.

Method ID	Methodology Summary
<b>Org-012</b>	<p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p> <p>For soil results:-</p> <ol style="list-style-type: none"> <li>1. 'EQ PQL' values are assuming all contributing PAHs reported as &lt;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.</li> <li>2. 'EQ zero' values are assuming all contributing PAHs reported as &lt;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.</li> <li>3. 'EQ half PQL' values are assuming all contributing PAHs reported as &lt;PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.</li> </ol> <p>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.</p>
<b>Org-014</b>	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
<b>Org-016</b>	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)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
<b>Org-016</b>	<p>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)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p> <p>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.</p>

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	205069-13
Date extracted	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Date analysed	-			09/11/2018	[NT]	[NT]	[NT]	[NT]	09/11/2018	09/11/2018
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	25	Org-016	<25	[NT]	[NT]	[NT]	[NT]	107	104
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	25	Org-016	<25	[NT]	[NT]	[NT]	[NT]	107	104
Benzene	mg/kg	0.2	Org-016	<0.2	[NT]	[NT]	[NT]	[NT]	101	98
Toluene	mg/kg	0.5	Org-016	<0.5	[NT]	[NT]	[NT]	[NT]	104	101
Ethylbenzene	mg/kg	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	110	107
m+p-xylene	mg/kg	2	Org-016	<2	[NT]	[NT]	[NT]	[NT]	109	106
o-Xylene	mg/kg	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	110	108
naphthalene	mg/kg	1	Org-014	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	115	[NT]	[NT]	[NT]	[NT]	115	112

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	205069-13
Date extracted	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Date analysed	-			09/11/2018	[NT]	[NT]	[NT]	[NT]	09/11/2018	10/11/2018
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	110	98
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	107	98
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	111	78
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	110	98
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	107	98
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	111	78
Surrogate o-Terphenyl	%		Org-003	97	[NT]	[NT]	[NT]	[NT]	92	96

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	205069-13
Date extracted	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Date analysed	-			09/11/2018	[NT]	[NT]	[NT]	[NT]	09/11/2018	09/11/2018
Naphthalene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	105	99
Acenaphthylene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	103	99
Phenanthrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	110	102
Anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	110	105
Pyrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	96	94
Benzo(a)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	106	99
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012	<0.05	[NT]	[NT]	[NT]	[NT]	113	100
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	95	[NT]	[NT]	[NT]	[NT]	101	96



QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	205069-13
Date extracted	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Date analysed	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
HCB	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	84	83
gamma-BHC	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	93	90
Heptachlor	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	87	84
delta-BHC	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	89	87
Heptachlor Epoxide	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	91	89
gamma-Chlordane	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	97	94
Dieldrin	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	94	83
Endrin	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	91	92
pp-DDD	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	92	89
Endosulfan II	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	83	84
Methoxychlor	mg/kg	0.1	Org-005	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-005	106	[NT]	[NT]	[NT]	[NT]	113	112

QUALITY CONTROL: Organophosphorus Pesticides					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	205069-13
Date extracted	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Date analysed	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorpyrifos	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	90	92
Chlorpyrifos-methyl	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	106	93
Dimethoate	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethion	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	101	100
Fenitrothion	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	96	96
Malathion	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	76	84
Parathion	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	107	107
Ronnel	mg/kg	0.1	Org-008	<0.1	[NT]	[NT]	[NT]	[NT]	99	99
Surrogate TCMX	%		Org-008	106	[NT]	[NT]	[NT]	[NT]	101	100

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	205069-13
Date extracted	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Date analysed	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	100	94
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCLMX	%		Org-006	106	[NT]	[NT]	[NT]	[NT]	101	100

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	205069-13
Date prepared	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Date analysed	-			08/11/2018	[NT]	[NT]	[NT]	[NT]	08/11/2018	08/11/2018
Arsenic	mg/kg	4	Metals-020	<4	[NT]	[NT]	[NT]	[NT]	107	100
Cadmium	mg/kg	0.4	Metals-020	<0.4	[NT]	[NT]	[NT]	[NT]	101	101
Chromium	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	104	101
Copper	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	111	78
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	105	#
Mercury	mg/kg	0.1	Metals-021	<0.1	[NT]	[NT]	[NT]	[NT]	110	143
Nickel	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	102	104
Zinc	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	99	#

QUALITY CONTROL: sPOCAS + %S w/w						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			08/11/2018	4	08/11/2018	08/11/2018		08/11/2018	[NT]
Date analysed	-			08/11/2018	4	08/11/2018	08/11/2018		08/11/2018	[NT]
pH <sub>KCl</sub>	pH units		Inorg-064	[NT]	4	6.4	6.4	0	91	[NT]
TAA pH 6.5	moles H <sup>+</sup> /t	5	Inorg-064	<5	4	<5	<5	0	95	[NT]
s-TAA pH 6.5	%w/w S	0.01	Inorg-064	<0.01	4	<0.01	<0.01	0	[NT]	[NT]
pH <sub>OX</sub>	pH units		Inorg-064	[NT]	4	4.4	4.3	2	97	[NT]
TPA pH 6.5	moles H <sup>+</sup> /t	5	Inorg-064	<5	4	18	19	5	106	[NT]
s-TPA pH 6.5	%w/w S	0.01	Inorg-064	<0.01	4	0.03	0.03	0	[NT]	[NT]
TSA pH 6.5	moles H <sup>+</sup> /t	5	Inorg-064	<5	4	18	19	5	[NT]	[NT]
s-TSA pH 6.5	%w/w S	0.01	Inorg-064	<0.01	4	0.03	0.03	0	[NT]	[NT]
ANC <sub>E</sub>	% CaCO <sub>3</sub>	0.05	Inorg-064	<0.05	4	<0.05	<0.05	0	[NT]	[NT]
a-ANC <sub>E</sub>	moles H <sup>+</sup> /t	5	Inorg-064	<5	4	<5	<5	0	[NT]	[NT]
s-ANC <sub>E</sub>	%w/w S	0.05	Inorg-064	<0.05	4	<0.05	<0.05	0	[NT]	[NT]
S <sub>KCl</sub>	%w/w S	0.005	Inorg-064	<0.005	4	0.005	0.007	33	[NT]	[NT]
S <sub>P</sub>	%w/w	0.005	Inorg-064	<0.005	4	0.02	0.02	0	[NT]	[NT]
S <sub>POS</sub>	%w/w	0.005	Inorg-064	<0.005	4	0.01	0.009	11	[NT]	[NT]
a-S <sub>POS</sub>	moles H <sup>+</sup> /t	5	Inorg-064	<5	4	6	6	0	[NT]	[NT]
Ca <sub>KCl</sub>	%w/w	0.005	Inorg-064	<0.005	4	0.03	0.04	29	[NT]	[NT]
Ca <sub>P</sub>	%w/w	0.005	Inorg-064	<0.005	4	0.04	0.04	0	[NT]	[NT]
Ca <sub>A</sub>	%w/w	0.005	Inorg-064	<0.005	4	<0.005	<0.005	0	[NT]	[NT]
Mg <sub>KCl</sub>	%w/w	0.005	Inorg-064	<0.005	4	<0.005	<0.005	0	[NT]	[NT]
Mg <sub>P</sub>	%w/w	0.005	Inorg-064	<0.005	4	<0.005	<0.005	0	[NT]	[NT]
Mg <sub>A</sub>	%w/w	0.005	Inorg-064	<0.005	4	<0.005	<0.005	0	[NT]	[NT]
S <sub>HCl</sub>	%w/w S	0.005	Inorg-064	<0.005	4	<0.005	<0.005	0	[NT]	[NT]
S <sub>NAS</sub>	%w/w S	0.005	Inorg-064	<0.005	4	<0.005	<0.005	0	[NT]	[NT]
a-S <sub>NAS</sub>	moles H <sup>+</sup> /t	5	Inorg-064	<5	4	<5	<5	0	[NT]	[NT]
s-S <sub>NAS</sub>	%w/w S	0.01	Inorg-064	<0.01	4	<0.01	<0.01	0	[NT]	[NT]
Fineness Factor	-	1.5	Inorg-064	<1.5	4	1.5	1.5	0	[NT]	[NT]
a-Net Acidity	moles H <sup>+</sup> /t	5	Inorg-064	<5	4	6	6	0	[NT]	[NT]
s-Net Acidity	%w/w S	0.01	Inorg-064	<0.01	4	0.01	<0.01	0	[NT]	[NT]
Liming rate	kg CaCO <sub>3</sub> /t	0.75	Inorg-064	<0.75	4	<0.75	<0.75	0	[NT]	[NT]
s-Net Acidity without -ANCE	%w/w S	0.01	Inorg-064	<0.01	4	0.01	<0.01	0	[NT]	[NT]
a-Net Acidity without ANCE	moles H <sup>+</sup> /t	5	Inorg-064	<5	4	6.3	5.8	8	[NT]	[NT]

QUALITY CONTROL: sPOCAS + %S w/w						Duplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Liming rate without ANCE	kg CaCO <sub>3</sub> /t	0.75	Inorg-064	<0.75	4	<0.75	<0.75	0	[NT]	[NT]

## Result Definitions

<b>NT</b>	Not tested
<b>NA</b>	Test not required
<b>INS</b>	Insufficient sample for this test
<b>PQL</b>	Practical Quantitation Limit
<b>&lt;</b>	Less than
<b>&gt;</b>	Greater than
<b>RPD</b>	Relative Percent Difference
<b>LCS</b>	Laboratory Control Sample
<b>NS</b>	Not specified
<b>NEPM</b>	National Environmental Protection Measure
<b>NR</b>	Not Reported

## Quality Control Definitions

<b>Blank</b>	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.
<b>Duplicate</b>	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.
<b>Matrix Spike</b>	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.
<b>LCS (Laboratory Control Sample)</b>	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.
<b>Surrogate Spike</b>	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.	



## 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; 60-140% for organics (+/-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.

## Report Comments

Acid Extractable Metals in Soil:

# Percent recovery is not possible to report due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Acid Extractable Metals in Soil - Spike recovery for Hg in sample #13 at 143% which is outside lab acceptance criteria (70-130%), however, the LCS recovery is acceptable at 110%, sample heterogeneity suspected

## SAMPLE RECEIPT ADVICE

### Client Details

<b>Client</b>	Environmental Investigation Services
<b>Attention</b>	Priya Dass

### Sample Login Details

<b>Your reference</b>	E31721KR, Mascot
<b>Envirolab Reference</b>	205069
<b>Date Sample Received</b>	07/11/2018
<b>Date Instructions Received</b>	07/11/2018
<b>Date Results Expected to be Reported</b>	14/11/2018

### Sample Condition

<b>Samples received in appropriate condition for analysis</b>	YES
<b>No. of Samples Provided</b>	34 SOIL
<b>Turnaround Time Requested</b>	Standard
<b>Temperature on Receipt (°C)</b>	18.3
<b>Cooling Method</b>	
<b>Sampling Date Provided</b>	YES

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**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	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	sPOCAS + %S w/w	On Hold
BH1-0.13-0.3	✓	✓	✓	✓	✓	✓	✓	✓		
BH1-0.8-1.0										✓
BH1-1.5-1.95										✓
BH1-1.8-2.0									✓	
BH1-2.3-2.5										✓
BH1-3.0-3.45										✓
BH1-4.5-4.95										✓
BH1-6.0-6.45										✓
BH1-7.5-7.95									✓	
BH1-9.0-9.45										✓
BH1-10.5-10.95										✓
BH2-0.15-0.3										✓
BH2-0.5-0.95	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH2-1.0-1.5	✓	✓	✓				✓			
BH2-1.5-1.95										✓
BH2-3.0-3.45									✓	
BH2-4.5-4.75										✓
BH2-6.0-6.45										✓
BH2-7.5-7.95										✓
BH2-9.0-9.35										✓
BH2-10.5-10.86										✓
BH3-0.15-0.3	✓	✓	✓	✓	✓	✓	✓	✓		
BH3-0.3-0.5										✓
BH3-1.0-1.5									✓	
BH3-1.5-1.95	✓	✓	✓				✓			
BH3-1.8-2.0										✓
BH3-3.0-3.45										✓
BH3-4.5-4.95									✓	
BH3-6.0-6.45										✓
BH3-9.0-9.05										✓
BH3-10.5-10.65										✓
DUP1	✓	✓	✓				✓			



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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	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	sPOCAS + %S w/w	On Hold
DUP2										✓
TB	✓									


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.

# SAMPLE AND CHAIN OF CUSTODY FORM

<b>TO:</b> ENVIROLAB SERVICES PTY LTD 12 ASHLEY STREET CHATSWOOD NSW 2067 P: (02) 99106200 F: (02) 99106201 Attention: Aileen	<b>EIS Job Number:</b> E31721KR <b>Date Results Required:</b> STANDARD <b>Page:</b> 1	<b>FROM:</b> ENVIRONMENTAL INVESTIGATION SERVICES REAR OF 115 WICKS ROAD MACQUARIE PARK, NSW 2113 P: 02-9888 5000 F: 02-9888 5001 Attention: Priya Dass	
---	---	--	---

Location: Mascot							Sample Preserved in Esky on Ice									
Sampler:							Tests Required									
Date Sampled	Lab Ref:	Sample Number	Depth (m)	Sample Container	PID	Sample Description	Combo 2	Combo 3	Combo 6	Combo 6a	8 Metals	PAHs	TRH/BTEX	BTEX	Asbestos	SPOCAS
24-25/10/18	1	BH1	0.13-0.3	G,A,P	0.0	Fill				✓						
	2		0.8-1.0	↓		↓										
	3		1.5-1.95	G,A		Silty Sand										
	4		1.8-2.0	G,A,P												
	5		2.3-2.5	G,A	↓											
	6		3.0-3.45	P	-											
	7		4.5-4.95		-											
	8		6.0-6.45		-											
	9		7.5-7.95		-											
	10		9.0-9.45		-											
	11		10.5-10.95	↓	-	↓										
26-29/10/18	12	BH2	0.15-0.3	G,A,P	0.0	Fill										
	13		0.5-0.95	↓		↓				✓						
	14		1.0-1.5	G,A		Silty Sand				✓						
	15		1.5-1.95	G,A,P	↓											
	16		3.0-3.45	P	-											
	17		4.5-4.95		-											
	18		6.0-6.45		-											
	19		7.5-7.95		-											
	20		9.0-9.35		-											
	21		10.5-10.86	↓	-	↓										
30/10/18	22	BH3	0.15-0.3	G,A	0.0	Fill				✓						
	23		0.3-0.5	↓	↓	Silty Sand										
	24		1.0-1.5	P	-											
	25		1.5-1.95	G,A	0.0	↓				✓						

Remarks (comments/detection limits required):		Sample Containers: G - 250mg Glass Jar A - Ziplock Asbestos Bag P - Plastic Bag	
Relinquished By: Priya Dass	Date: 7/11/18	Time: 16:00	Received By: Soumya
		Date: 7-11-18	

# THE

<b>TO:</b> <b>ENVIROLAB SERVICES PTY LTD</b> <b>12 ASHLEY STREET</b> <b>CHATSWOOD NSW 2067</b> <b>P: (02) 99106200</b> <b>F: (02) 99106201</b>  <b>Attention: Aileen</b>	<b>EIS Job</b> <b>Number:</b> E 31721KR  <b>Date Results</b> STANDARD <b>Required:</b>  <b>Page:</b> 2	<b>FROM:</b> <b>ENVIRONMENTAL</b> <b>INVESTIGATION</b> <b>SERVICES</b> <b>REAR OF 115 WICKS ROAD</b> <b>MACQUARIE PARK, NSW 2113</b> <b>P: 02-9888 5000</b> <b>F: 02-9888 5001</b> <b>Attention: Priya Dass</b>
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[illegible]

(205069)



## **CERTIFICATE OF ANALYSIS 205069-A**

### **Client Details**

<b>Client</b>	Environmental Investigation Services
<b>Attention</b>	Priya Dass
<b>Address</b>	PO Box 976, North Ryde BC, NSW, 1670

### **Sample Details**

<b>Your Reference</b>	<b><u>E31721KR, Mascot</u></b>
<b>Number of Samples</b>	34 SOIL
<b>Date samples received</b>	07/11/2018
<b>Date completed instructions received</b>	19/11/2018

### **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**

<b>Date results requested by</b>	26/11/2018
<b>Date of Issue</b>	20/11/2018
NATA Accreditation Number 2901. This document shall not be reproduced except in full.	
Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b>	

**Results Approved By**  
Leon Ow, Chemist

**Authorised By**



Jacinta Hurst, Laboratory Manager

Metals in TCLP USEPA1311		
Our Reference		205069-A-13
Your Reference	UNITS	BH2
Depth		0.5-0.95
Date Sampled		26/10/2018
Type of sample		SOIL
Date extracted	-	20/11/2018
Date analysed	-	20/11/2018
pH of soil for fluid# determ.	pH units	8.8
pH of soil TCLP (after HCl)	pH units	1.6
Extraction fluid used	-	1
pH of final Leachate	pH units	5.1
Lead in TCLP	mg/L	0.53

Method ID	Methodology Summary
<b>EXTRACT.7</b>	Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction (zHE) using AS4439 and USEPA 1311.
<b>Inorg-001</b>	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.
<b>Inorg-004</b>	Toxicity Characteristic Leaching Procedure (TCLP) using in house method INORG-004. Please note that the mass used may be scaled down from the default based on sample mass available.
<b>Metals-020 ICP-AES</b>	Determination of various metals by ICP-AES.

**Client Reference: E31721KR, Mascot**

QUALITY CONTROL: Metals in TCLP USEPA1311					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			20/11/2018	13	20/11/2018	20/11/2018		20/11/2018	[NT]
Date analysed	-			20/11/2018	13	20/11/2018	20/11/2018		20/11/2018	[NT]
Lead in TCLP	mg/L	0.03	Metals-020 ICP-AES	<0.03	13	0.53	0.53	0	106	[NT]

## Result Definitions

<b>NT</b>	Not tested
<b>NA</b>	Test not required
<b>INS</b>	Insufficient sample for this test
<b>PQL</b>	Practical Quantitation Limit
<b>&lt;</b>	Less than
<b>&gt;</b>	Greater than
<b>RPD</b>	Relative Percent Difference
<b>LCS</b>	Laboratory Control Sample
<b>NS</b>	Not specified
<b>NEPM</b>	National Environmental Protection Measure
<b>NR</b>	Not Reported

## Quality Control Definitions

<b>Blank</b>	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.
<b>Duplicate</b>	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.
<b>Matrix Spike</b>	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.
<b>LCS (Laboratory Control Sample)</b>	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.
<b>Surrogate Spike</b>	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.	

## 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; 60-140% for organics (+/-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.

## SAMPLE RECEIPT ADVICE

### Client Details

<b>Client</b>	Environmental Investigation Services
<b>Attention</b>	Priya Dass

### Sample Login Details

<b>Your reference</b>	E31721KR, Mascot
<b>Envirolab Reference</b>	205069-A
<b>Date Sample Received</b>	07/11/2018
<b>Date Instructions Received</b>	19/11/2018
<b>Date Results Expected to be Reported</b>	26/11/2018

### Sample Condition

<b>Samples received in appropriate condition for analysis</b>	YES
<b>No. of Samples Provided</b>	34 SOIL
<b>Turnaround Time Requested</b>	Standard
<b>Temperature on Receipt (°C)</b>	18.3
<b>Cooling Method</b>	
<b>Sampling Date Provided</b>	YES

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** jhurst@envirolab.com.au

*Analysis Underway, details on the following page:*





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Sample ID	pH of soil for fluid#determ.	pH of soil TCLP (after HCl)	Extraction fluid used	pH of final Leachate	Lead in TCLP	On Hold
BH1-0.13-0.3						✓
BH1-0.8-1.0						✓
BH1-1.5-1.95						✓
BH1-1.8-2.0						✓
BH1-2.3-2.5						✓
BH1-3.0-3.45						✓
BH1-4.5-4.95						✓
BH1-6.0-6.45						✓
BH1-7.5-7.95						✓
BH1-9.0-9.45						✓
BH1-10.5-10.95						✓
BH2-0.15-0.3						✓
BH2-0.5-0.95	✓	✓	✓	✓	✓	
BH2-1.0-1.5						✓
BH2-1.5-1.95						✓
BH2-3.0-3.45						✓
BH2-4.5-4.75						✓
BH2-6.0-6.45						✓
BH2-7.5-7.95						✓
BH2-9.0-9.35						✓
BH2-10.5-10.86						✓
BH3-0.15-0.3						✓
BH3-0.3-0.5						✓
BH3-1.0-1.5						✓
BH3-1.5-1.95						✓
BH3-1.8-2.0						✓
BH3-3.0-3.45						✓
BH3-4.5-4.95						✓
BH3-6.0-6.45						✓
BH3-9.0-9.05						✓
BH3-10.5-10.65						✓
DUP1						✓



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Sample ID	pH of soil for fluid#determ.	pH of soil TCLP (after HCl)	Extraction fluid used	pH of final Leachate	Lead in TCLP	On Hold
DUP2						✓
TB						✓

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.

## Andrew Fitzsimons

---

**From:** Aileen Hie  
**Sent:** Monday, 19 November 2018 4:12 PM  
**To:** Andrew Fitzsimons  
**Subject:** FW: Results for Registration 205069 E31721KR, Mascot

Regards,

Aileen Hie | Sample Receipt Supervisor | Envirolab Services Pty Ltd

*Great Science, Great Service.*

12 Ashley Street Chatswood NSW 2067  
T 612 9910 6200 F 612 9910 6201  
E [ahie@envirolab.com.au](mailto:ahie@envirolab.com.au) | W [www.envirolab.com.au](http://www.envirolab.com.au)

ELS: 205069-A  
TAT: 5 days  
Due: 26/11/18  
FitZ

**Please note that all samples submitted to the Envirolab Group laboratories will be analysed under the Envirolab Group Terms and Conditions. The Terms and Conditions are accessible by clicking this link**

---

**From:** Priya Dass [mailto:PDass@jkgroup.net.au]  
**Sent:** Monday, 19 November 2018 3:35 PM  
**To:** Ken Nguyen <KNguyen@envirolab.com.au>  
**Cc:** Aileen Hie <AHie@envirolab.com.au>  
**Subject:** RE: Results for Registration 205069 E31721KR, Mascot

Hi,

Please do the following analysis for the following sample on a standard TAT from this lab batch:

TCLP Lead – BH2 0.5-0.95 - 13

Thanks,

Priya.

Regards,

Priya Dass  
Senior Environmental Scientist

## **Appendix D: Report Explanatory Notes**

## **STANDARD SAMPLING PROCEDURE**

These protocols specify the basic procedures to be used when sampling soils or groundwater for environmental site assessments undertaken by EIS. The purpose of these protocols is to provide standard methods for: sampling, decontamination procedures for sampling equipment, sample preservation, sample storage and sample handling. Deviations from these procedures must be recorded.

### **Soil Sampling**

- Prepare a borehole/test pit log or made a note of the sample description for stockpiles.
- Layout sampling equipment on clean plastic sheeting to prevent direct contact with ground surface. The work area should be at a distance from the drill rig/excavator such that the machine can operate in a safe manner.
- Ensure all sampling equipment has been decontaminated prior to use.
- Remove any surface debris from the immediate area of the sampling location.
- Collect samples and place in glass jar with a Teflon seal. This should be undertaken as quickly as possible to prevent the loss of any volatiles. If possible, fill the glass jars completely.
- Collect samples for asbestos analysis and place in a zip-lock plastic bag.
- Label the sampling containers with the EIS job number, sample location (eg. BH1), sampling depth interval and date. If more than one sample container is used, this should also be indicated (eg. 2 = Sample jar 1 of 2 jars).
- Photoionisation detector (PID) screening of volatile organic compounds (VOCs) should be undertaken on samples using the soil sample headspace method. Headspace measurements are taken following equilibration of the headspace gasses in partly filled zip-lock plastic bags. PID headspace data is recorded on the borehole/test pit log and the chain of custody forms.
- Record the lithology of the sample and sample depth on the borehole/test pit log generally in accordance with AS1726-1993<sup>17</sup>.
- Store the sample in a sample container cooled with ice or chill packs. On completion of the sampling the sample container should be delivered to the lab immediately or stored in the refrigerator prior to delivery to the lab. All samples are preserved in accordance with the standards outlined in the report.
- Check for the presence of groundwater after completion of each borehole using an electronic dip metre or water whistle. Boreholes should be left open until the end of fieldwork where it is safe to do so. All groundwater levels in the boreholes should be rechecked on the completion of the fieldwork.
- Backfill the boreholes/test pits with the excavation cuttings or clean sand prior to leaving the site.

### **Decontamination Procedures for Soil Sampling Equipment**

- All sampling equipment should be decontaminated between every sampling location. This excludes single use PVC tubing used for push tubes etc. Equipment and materials required for the decontamination include:
  - Phosphate free detergent (Decon 90);
  - Potable water;
  - Stiff brushes; and
  - Plastic sheets.
- Ensure the decontamination materials are clean prior to proceeding with the decontamination.
- Fill both buckets with clean potable water and add phosphate free detergent to one bucket.

---

<sup>17</sup> Standards Australia, (1993), *Geotechnical Site Investigations*. (AS1726-1993)

- In the bucket containing the detergent, scrub the sampling equipment until all the material attached to the equipment has been removed.
- Rinse sampling equipment in the bucket containing potable water.
- Place cleaned equipment on clean plastic sheets.

If all materials are not removed by this procedure, high-pressure water cleaning is recommended. If any equipment is not completely decontaminated by both these processes, then the equipment should not be used until it has been thoroughly cleaned.

### **Groundwater Sampling**

Groundwater samples are more sensitive to contamination than soil samples and therefore adhesion to this protocol is particularly important to obtain reliable, reproducible results. The recommendations detailed in AS/NZS 5667.1:1998 are considered to form a minimum standard.

The basis of this protocol is to maintain the security of the borehole and obtain accurate and representative groundwater samples. The following procedure should be used for collection of groundwater samples from previously installed groundwater monitoring wells.

- After monitoring well installation, at least three bore volumes should be pumped from the monitoring wells (well development) to remove any water introduced during the drilling process and/or the water that is disturbed during installation of the monitoring well. This should be completed prior to purging and sampling.
- Groundwater monitoring wells should then be left to recharge for at least three days before purging and sampling. Prior to purging or sampling, the condition of each well should be observed and any anomalies recorded on the field data sheets. The following information should be noted: the condition of the well, noting any signs of damage, tampering or complete destruction; the condition and operation of the well lock; the condition of the protective casing and the cement footing (raised or cracked); and, the presence of water between protective casing and well.
- Measure the groundwater level from the collar of the piezometer/monitoring well using an electronic dip meter. The collar level should be taken (if required) during the site visit using a dumpy level and staff.
- Purging and sampling of piezometers/monitoring wells is done on the same site visit when using micro-purge (or other low flow) techniques.
- Layout and organize all equipment associated with groundwater sampling in a location where they will not interfere with the sampling procedure and will not pose a risk of contaminating samples. Equipment generally required includes:
  - Stericup single-use filters (for heavy metals samples);
  - Bucket with volume increments;
  - Sample containers: teflon bottles with 1 ml nitric acid, 75mL glass vials with 1 mL hydrochloric acid, 1 L amber glass bottles;
  - Bucket with volume increments;
  - Flow cell;
  - pH/EC/Eh/Temperature meters;
  - Plastic drums used for transportation of purged water;
  - Esky and ice;
  - Nitrile gloves;
  - Distilled water (for cleaning);
  - Electronic dip meter;
  - Low flow peristaltic pump and associated tubing; and
  - Groundwater sampling forms.

- Ensure all non-disposable sampling equipment is decontaminated or that new disposable equipment is available prior to any work commencing at a new location. The procedure for decontamination of groundwater equipment is outlined at the end of this section.
- Disposable gloves should be used whenever samples are taken to protect the sampler and to assist in avoidance of contamination.
- Groundwater samples are obtained from the monitoring wells using low flow sampling equipment to reduce the disturbance of the water column and loss of volatiles.
- During pumping to purge the well, the pH, temperature, conductivity, dissolved oxygen, redox potential and groundwater levels are monitored (where possible) using calibrated field instruments to assess the development of steady state conditions. Steady state conditions are generally considered to have been achieved when the difference in the pH measurements was less than 0.2 units and the difference in conductivity was less than 10%.
- All measurements are recorded on specific data sheets.
- Once steady state conditions are considered to have been achieved, groundwater samples are obtained directly from the pump tubing and placed in appropriate glass bottles, BTEX vials or plastic bottles.
- All samples are preserved in accordance with water sampling requirements specified by the laboratory and placed in an insulated container with ice. Groundwater samples are preserved by immediate storage in an insulated sample container with ice.
- At the end of each water sampling complete a chain of custody form for samples being sent to the laboratory.

#### **Decontamination Procedures for Groundwater Sampling Equipment**

- All equipment associated with the groundwater sampling procedure (other than single-use items) should be decontaminated between every sampling location.
- The following equipment and materials are required for the decontamination procedure:
  - Phosphate free detergent;
  - Potable water;
  - Distilled water; and
  - Plastic Sheets or bulk bags (plastic bags).
- Fill one bucket with clean potable water and phosphate free detergent, and one bucket with distilled water.
- Flush potable water and detergent through pump head. Wash sampling equipment and pump head using brushes in the bucket containing detergent until all materials attached to the equipment are removed.
- Flush pump head with distilled water.
- Change water and detergent solution after each sampling location.
- Rinse sampling equipment in the bucket containing distilled water.
- Place cleaned equipment on clean plastic sheets.
- If all materials are not removed by this procedure that equipment should not be used until it has been thoroughly cleaned



## **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)<sup>18</sup> methods and those described in *Environmental Sampling and Analysis, A Practical Guide*, (1991)<sup>19</sup>.

### **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).

### **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).

### **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.

### **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 handling and analysis protocols and use of proper chain-of-custody and documentation procedures.

### **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;

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<sup>18</sup> US EPA, (1994). *SW-846: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*. (US EPA SW-846)

<sup>19</sup> Keith., H, (1991). *Environmental Sampling and Analysis, A Practical Guide*.

- All blank data reported;
- 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.

### **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).

### **Blanks**

The purpose of laboratory and field blanks is to check for artefacts and interferences that may arise during sampling, transport and analysis.

### **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%.

$$\frac{(\text{Spike Sample Result} - \text{Sample Result}) \times 100}{\text{Concentration of Spike Added}}$$

### **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.

### **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:

$$\frac{(D1 - D2) \times 100}{\{(D1 + D2)/2\}}$$

## **SCREENING CRITERIA DEFINITIONS**

The following definitions have been adopted based on Schedule B(1) of NEPM (2013) and are relevant to Tier 1 screening criteria adopted for contamination assessments.

**Health investigation levels (HILs)** have been developed for a broad range of metals and organic substances. The HILs are applicable for assessing human health risk via all relevant pathways of exposure. The HILs are generic to all soil types and apply generally to a depth of 3 m below the surface for residential use. Site-specific conditions should determine the depth to which HILs apply for other land uses.

**Health screening levels (HSLs)** have been developed for selected petroleum compounds and fractions and are applicable to assessing human health risk via the inhalation and direct contact pathways. The HSLs depend on specific soil physicochemical properties, land use scenarios, and the characteristics of building structures. They apply to different soil types, and depths below surface to >4 m. HSLs have also been developed for asbestos and apply to the top 3m of soil.

**Ecological investigation levels (EILs)** have been developed for selected metals and organic substances and are applicable for assessing risk to terrestrial ecosystems. EILs depend on specific soil physicochemical properties and land use scenarios and generally apply to the top 2 m of soil.

**Ecological screening levels (ESLs)** have been developed for selected petroleum hydrocarbon compounds and total petroleum/recoverable hydrocarbon (TPH/TRH) fractions and are applicable for assessing risk to terrestrial ecosystems. ESLs broadly apply to coarse- and fine-grained soils and various land uses. They are generally applicable to the top 2 m of soil.

**Groundwater investigation levels (GILs)** are the concentrations of a contaminant in groundwater above which further investigation (point of extraction) or a response (point of use) is required. GILs are based on Australian water quality guidelines and drinking water guidelines and are applicable for assessing human health risk and ecological risk from direct contact (including consumption) with groundwater.

**Management Limits for Petroleum hydrocarbons** are applicable to petroleum hydrocarbon compounds only. They are applicable as screening levels following evaluation of human health and ecological risks and risks to groundwater resources. They are relevant for operating sites where significant sub-surface leakage of petroleum compounds has occurred and when decommissioning industrial and commercial sites.

**Interim soil vapour health investigation levels (interim HILs)** have been developed for selected volatile organic chlorinated compounds (VOCCs) and are applicable to assessing human health risk by the inhalational pathway. They have interim status pending further scientific work on volatile gas modelling from the sub-surface to building interiors for chlorinated compounds.

## **Appendix E: Data (QA/QC) Evaluation**

## **DATA (QA/QC) EVALUATION**

### **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.

### **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.

### **Field QA/QC Samples and Analysis**

A summary of the field QA/QC samples collected and analysed for this assessment is provided in the following table:

<b>Sample Type</b>	<b>Sample Identification</b>	<b>Frequency (of Sample Type)</b>	<b>Analysis Performed</b>
Intra-laboratory duplicate (soil)	Dup 1 (primary sample BH3 0.15-0.3m)	Approximately 20% of primary samples	Heavy metals, TRH/BTEX and PAHs
Trip blank (soil)	TB1 (24/10/18)	One for the assessment 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 F to Table G inclusive) attached to the assessment report and are discussed in the subsequent sections of this Data (QA/QC) Evaluation report.

### **Data Assessment Criteria**

EIS adopted the following criteria for assessing the field and laboratory QA/QC analytical results:

#### ***Field Duplicate***

Acceptable targets for precision of field duplicate in this report will be less than 50% RPD for concentrations greater than 10 times the PQL, less than 75% RPD for concentrations between five and 10 times the PQL and less than 100% RPD for concentrations that are less than five times the PQL. RPD failures will be considered qualitatively on a case-by-case basis taking into account factors

such as the sample type, collection methods and the specific analyte where the RPD exceedance was reported.

#### ***Field Blank***

Acceptable targets for field blank sample in this report will be less than the PQL for organic analytes. Metals will be considered on a case-by-case basis with regards to typical background concentrations in soils and published drinking water guidelines for waters.

#### ***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.

### **DATA EVALUATION**

#### **Sample Collection, Storage, Transport and Analysis**

Samples were collected by trained field staff in accordance with the EIS SSP. The SSP was developed 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.

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.

#### **Laboratory PQLs**

Appropriate PQLs were adopted for the analysis and all PQLs were below the SAC.

#### **Field QA/QC Sample Results**

##### ***Field Duplicate***

The results indicated that field precision was acceptable.

##### ***Field Blank***

During the investigation, one soil trip blank was placed in the esky during sampling and transported back to the laboratory. The results were all less than the PQLs, therefore cross contamination between samples that may have significance for data validity did not occur.

#### **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 assessment. EIS note that due to the limited number of samples submitted for analysis, duplicates and matrix spikes were not reported. This is not considered to have an impact on the data quality for this assessment.

A review of the laboratory QA/QC data identified the following minor non-conformances:

- The percent recovery for metals was not possible to report due to the high concentration of the element(s) in the sample(s). However an acceptable recovery was obtained for the laboratory control sample (LCS); and
- The spike recovery for mercury in one sample was 143% which was outside the laboratory acceptance criteria of 70-130%. It was potentially due to sample heterogeneity. However the LCS recovery was acceptable at 110% by the laboratory.

#### **DATA QUALITY SUMMARY**

EIS 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 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.



## **Appendix F: Field Work Documents**

JOB NO: E 31721KR  
 LOCATION: 215 - 235 O'Riordan Street  $\frac{1}{2}$  1-3 Ewan Street,  
 Mascot



## PID FIELD CALIBRATION FORM

Make: MiniRAE	Model: 2000	Unit: 1	Date of last factory calibration:
Date of calibration: 25/10/18		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration: 100.0 ppm	
Measured reading: 99.9 ppm		Error in measured reading: $\pm$ ppm	
Make: MiniRAE	Model: 2000	Unit: 1	Date of last factory calibration:
Date of calibration: 29/10/18		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration: 100.0 ppm	
Measured reading: 100 ppm		Error in measured reading: $\pm$ ppm	
Make: MiniRAE	Model: 2000	Unit: 1	Date of last factory calibration:
Date of calibration: 30/10/18		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration: 100.0 ppm	
Measured reading: 99.8 ppm		Error in measured reading: $\pm$ ppm	
Make: MiniRAE	Model: 2000	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: $\pm$ ppm	
Make: MiniRAE	Model: 2000	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: $\pm$ ppm	
Make: MiniRAE	Model: 2000	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: $\pm$ ppm	
Make: MiniRAE	Model: 2000	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: $\pm$ ppm	

## **Appendix G: 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

CRC Care, (2011). Technical Report No. 10 – Health screening levels for hydrocarbons in soil and groundwater Part 1: Technical development document

CRC Care, (2017). Technical Report No. 39 – Risk-based management and guidance for benzo(a)pyrene

Contaminated Land Management Act 1997 (NSW)

Department of Land and Water Conservation, (1997). 1:25,000 Acid Sulfate Soil Risk Map (Series 9130N3, Ed 2)

Managing Land Contamination, Planning Guidelines SEPP55 – Remediation of Land (1998)

National Health and Medical Research Council (NHMRC), (2011). National Water Quality Management Strategy, Australian Drinking Water Guidelines

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

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

Acid Sulfate Soils Management Advisory Committee (ASSMAC), (1998). *Acid Sulfate Soils Manual* (ASS Manual 1998)