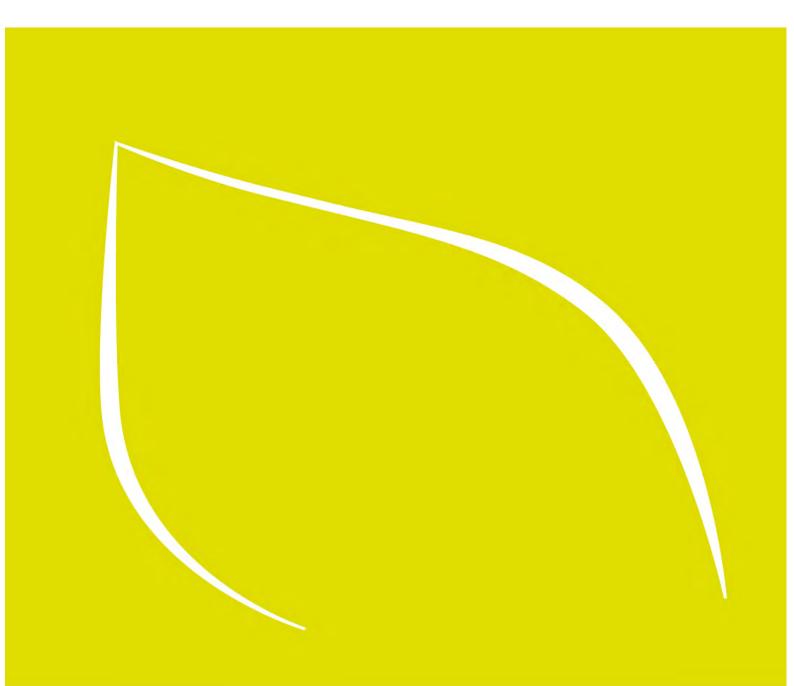


Preliminary Site Investigation - Western Gateway Sub-Precinct Proposal: Block B

14-30 Lee St, Haymarket, NSW Confidential Privileged Communication

Prepared for: Arup Pty Ltd, Level 5, 151 Clarence Street Sydney NSW 2000

10 October 2019





Distribution

Preliminary Site Investigation, 14-30 Lee St, Haymarket, NSW

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Executive Summary

Senversa Pty Ltd (Senversa) was engaged by Arup Australia Pty Ltd (Arup) to undertake a Preliminary Site Investigation (PSI) for Dexus Funds Management Limited (Dexus) and Frasers Property Australia (Frasers Property) (the Consortium) at Block B identified as 14-30 Lee Street, Haymarket, otherwise known as the Site or Block B. Block B location is shown on Figure 1.

Block B covers an area of approximately 1.0 hectare (ha), is currently zoned as a 'Metropolitan Centre' and currently comprises a mix of commercial offices, food and beverage outlets and open space, adjacent to a pedestrian thoroughfare to the Central Station platforms.

Information provided to Senversa indicates the Consortium is seeking to develop Block B and requires an assessment of potential contamination in accordance with the staged approach (Section 3.5) and rezoning decisions (Section 4.1) set out in the SEPP 55-Remediation of Land, Contamination Planning Guidelines (SEPP-55) and guidance under the CLM Act 1997.

Objectives and Scope of Investigation

The primary objective of this PSI was to develop an understanding of the potential for contamination to be present at Block B as a result of current and historical land uses that may pose an unacceptable risk to human health or ecological receptors. To meet the project objectives, Senversa undertook a PSI that included a review of the NSW EPA contaminated land register, historical aerial photographs, groundwater bore information, relevant government databases, published soil, geology and topographic maps and a site inspection.

Results of PSI

The results of the PSI include the following:

- Block B is underlain by fill materials, clays, sandstone and shale.
- Groundwater is likely to occur within fill materials at 4 m to 6 m below ground level (bgl). Groundwater is known to occur as shallow as 1.6 m bgl in the area locally.
- Fill materials with inclusions of coke, slag, ash, ironstone and railway ballast to 8 m were reported at Block B during geotechnical investigations in 1998 and 1999. It is likely that some of this fill was removed during the development of Henry Deane Park in 2000; however, Senversa has not reviewed any reports detailing the extent of fill removal or importation of clean fill.
- Block B and surrounding land have been subject to a long period of commercial and industrial use and therefore there are likely to be a number of potential sources of contamination either at Block B or within the vicinity of Block B. Identified off-site potentially contaminating activities are annotated on Figure 2.
- Groundwater is the more likely pathway for contamination originating from off-site sources to be realised at Block B.
- During the site inspection, the presence of USTs containing diesel were noted, located in the basement of the buildings owned and managed by Frasers Property (at 20 Lee and 26 Lee Street). Potential leaks or spills associated with these USTs could be a potential source of contamination.

Conclusions

Based on the information reviewed and in relation to the objectives this PSI, Senversa considers that:

- there is potential that soil and/or groundwater contamination exists at Block B which has the potential to present a risk to human and/or ecological receptors and this needs investigation; and
- if this contamination is present in significant concentrations it may impact the suitability of Block B for its proposed use without some form of management.

Senversa recommends that further assessment via a site investigation and management (if required) of contamination is carried out in line with the staged approach set out in SEPP 55-Remediation of Land, Contamination Planning Guidelines and guidance under the CLM Act 1997.



It should be noted that additional information for Block B would help define the scope and extent of further assessment. This information includes reports (if available) associated with the Henry Deane Park development detailing fill disposal / importation at Block B between approximately 1999 and 2000. These reports may also include laboratory data that can provide an indication of the contamination status of soil and/or groundwater at Block B.

Recommendations for Further Assessment

The scope of works for further assessment would likely include but may not be limited to:

- excavation of soil bores to the either the base of fill material or depth of proposed excavations in accessible areas of Block B (whichever is the deeper) and analysis of soil for CoPCs listed in Section 5.1 of this report to assess the presence and depth fill materials or other soil impacts at Block B; and
- conversion of the deeper soil bores to groundwater monitoring wells, and sampling and analysis of groundwater for CoPCs listed in Section 5.1 of this report to assess whether historical on-site or off-site activities have contaminated groundwater quality beneath Block B.

Based on the current site layout, the location of drilled soil bores and groundwater wells will likely be limited to the open space grass area between the Frasers Property and Dexus building. Hand augered soil bores adjacent to existing USTs would likely provide an indication of whether diesel leaks or spills have impacted soils at these locations.

An indication of these proposed sampling locations based on the current accessibility of Block B is annotated on Figure 3. A thorough review of basement and subsurface utility plans for Block B will need to be undertaken before any works is undertaken.

Note that this assessment will not characterise soils for off-site disposal. However, it may provide preliminary soil data to understand likely disposal costs. Additional assessment at Block B may be required if the preliminary intrusive assessment indicates that significant contamination is present.

Likely Management Options

Assuming soils excavated for the development would be exported off-site, soils will need to be characterised for disposal in accordance with the NSW EPA Waste Classification Guidelines (2014). Given that access to soils is limited by the presence of on-site structures, soils will likely require ex-situ (stockpile) sampling for characterisation following excavation. The cost associated with soil disposal will depend on the level of contamination and volume of soil.

Soil beneath excavations would need to be validated via sampling and analysis to confirm that it meets the relevant land use assessment criteria in accordance with National Environment Protection (Assessment of Site Contamination) Amendment Measure ('the NEPM').

The management of groundwater contamination (if any) and associated costs and timeframes will depend on the depth of groundwater occurrence and the nature of the contaminants within the groundwater. The mitigation of human health or ecological risks presented by groundwater contamination can be challenging and costly. For this reason, it's recommended that the contamination status of groundwater is understood early in the development process.

Limitations of Recommended Scope and Management Options

It should be noted that the indicative scope for additional assessment and likely management options to make Block B suitable for the proposed development are based on a desk top review as no soil or groundwater chemical data were available for Block B. Therefore; the required extent of the assessment and management options may vary following a preliminary intrusive investigation.



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Appendix C: Historical Site Photos (1999)

Appendix D: Architect Development Plans

Appendix E: Site Walkover Photos



List of Acronyms

| Acronym | Definition |
|----------|--|
| ACM | Asbestos Containing Material |
| AFFF | Aqueous Film Forming Foam |
| AHD | Australian Height Datum |
| AMG | Australian Map Grid |
| ASC NEPM | National Environment Protection (Assessment of Site Contamination) Measure |
| ASS | Acid Sulphate Soils |
| втех | Benzene, Toluene, Ethylbenzene and Xylenes |
| CoPC | Contaminant of Potential Concern |
| CSM | Conceptual Site Model |
| DP | Deposited Plan |
| DPI | Department of Primary Industries |
| EPL | Environment Protection Licence |
| IDF | Integrated Distribution Facility |
| LEP | Local Environmental Plan |
| М | Metre |
| m AHD | Metres Above Australian Height Datum |
| m bgl | Metres Below Ground Level |
| NSW EPA | New South Wales Environment Protection Authority |
| ОСР | Organochlorine Pesticides |
| ОРР | Organophosphorus Pesticides |
| OSD | Central Precinct Over Station Development |
| PAH | Polycyclic Aromatic Hydrocarbons |
| РСВ | Polychlorinated Biphenyls |
| PFAS | Per and Polyfluoroalkyl Substances |
| POEO | Protection of the Environment Operations Act 1997 |
| PSI | Preliminary Site Investigation |
| SSP | State Significant Precinct |
| svoc | Semi-Volatile Organic Compounds |
| TfNSW | Transport for New South Wales |
| | |



| Acronym | Definition |
|---------|--------------------------------|
| TRH | Total Recoverable Hydrocarbons |
| UST | Underground Storage Tank |
| voc | Volatile Organic Compounds |



1.0 **Project Introduction**

Dexus CPA Pty Ltd (Dexus) and Frasers Property Australia (Frasers Property) (the Consortium) has provided Senversa with the following introductory text. The Consortium is seeking to build "a vibrant new business district and revitalise the face of Sydney's busiest transport interchange" (Project Vision) at 14-30 Lee Street, Haymarket, otherwise known as the Site or Block B within the Western Gateway Sub-Precinct, as illustrated in Figure 1 below.

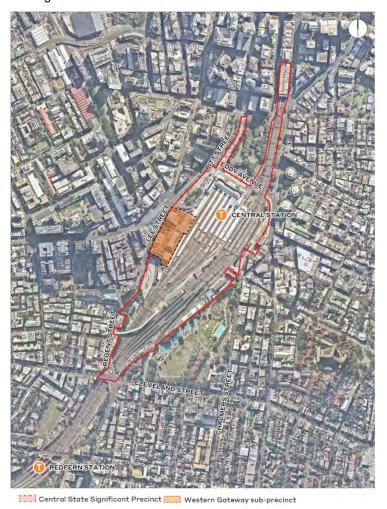


Figure 1 - Central Precinct (White), Western Gateway Precinct (Orange shading), Block B (Red Outline)

The Western Gateway sub-precinct is made up of three landholdings as illustrated in Figure 2 below:

- Block A land predominately occupied by the YHA Hostel;
- Block B the Henry Deane Place site subject of this report;
- Block C land on which the Adina Hotel and Henry Deane Plaza are located.





Figure 2 - Western Gateway landholdings

To facilitate redevelopment of the Western Gateway sub-precinct, the existing planning controls are required to be amended. This report supports a submission to the Secretary of the Department of Planning, Industry and Environment ('the DPIE') which seeks to amend the height and density controls within the Sydney Local Environmental Plan 2012 (Sydney LEP 2012).

The request to amend the planning controls follows the Minister for Planning and Public Spaces recent declaration identifying the Central Station Precinct as a State Significant Precinct (SSP). The Western Gateway, located within the Central Precinct SSP, is earmarked as a sub-precinct within the proposed SSP boundary for early consideration for rezoning.

Transport for New South Wales (TfNSW) is developing a vision for the growth and development of this precinct and is preparing a Strategic Framework to guide future detailed planning of the Central Precinct. The Strategic Framework will be placed on exhibition for public comment concurrently with the rezoning of the Western Gateway.

1.1 **Project Objectives**

The proposed rezoning forms part of a broader planning process being pursued by the Consortium to realise a shared vision and set of objectives for the Western Gateway and the Central Precinct more broadly. The overall Project objectives for Block B is to:

- High tech jobs deliver creative workspace that builds the Sydney Innovation and Technology Precinct and underpins Sydney's enduring global competitiveness.
- Transport connectivity redefine the experience of over 20 million pedestrians who walk through Henry Deane Plaza every year with world class public realm and connectivity.
- A revitalised precinct transform Central into an exciting place with lively retail and dining options, supporting Sydney's day and night time economy.
- Infrastructure for the future enable wider renewal of Central by delivering underground smart building services, waste and utility infrastructure necessary for an integrated and sustainable precinct.





Figure 3 - Block B within the Western Gateway Sub-Precinct (existing)

1.2 The Project

The Consortium intends to develop up to 155,000 m² of commercial and retail GFA within a podium, two towers, lower and upper ground plane over a three level basement. The Project comprises:

- Two commercial towers comprising 46,000 m² and 42,000 m² located above the podium with floorplates of approx. 1,850 m² and 2,000 m² GFA.
- 61,500 m² of commercial office space located within the podium which provide flexibility and campus style / large floorplates approx. 6,200 m² GFA.
- A retail offering of approx. 5,500 m² accessible from lower and upper ground levels, including food and beverage catering to station, visitors and Western Gateway commercial occupants providing an activated frontage and interface to Henry Deane Plaza. This includes an activated Lee Street frontage and lobby located at upper ground level, providing access to the commercial office podium levels and towers above.
- Three levels of basement car parking to accommodate:
 - 48 service vehicle and loading dock parking and distribution area within an Integrated Distribution Facility (IDF);
 - service vehicle, loading dock and distribution area for all stakeholders within the Western Gateway;
 - provision for emergency, maintenance and service vehicle parking and distribution area for future Central Over Station Development (OSD within the IDF):
 - 121 parking spaces for Block B occupants;
 - provision for Block A and C vehicle access via the Block B:
 - bicycle parking and end of trip facilities for staff; and
 - bicycle parking spaces for customers/visitors.
- Podium and tower rooftops designed for passive activation and gatherings for occupants of the Project to utilise and appreciate the views of the city and harbour.
- Redeveloped public space and stairs from Block B to future Central Precinct Over Station Development (OSD) providing an east-west pedestrian connection to and from the Western Gateway Sub-Precinct.
- Integration with a redeveloped Henry Deane Plaza to accommodate the increased pedestrian movement from existing and future pedestrian connections to various modes of transport.

To prepare Block B for future development, an increase in building height and floor space controls is sought. These proposed amendments to the Sydney LEP 2012 align with State, regional and local strategic planning objectives and initiatives.

This report should be read in conjunction with the Planning Statement prepared by MG Planning, and the other appended technical reports.



1.3 **Site Ownership**

The Consortium's Proposal relates to land located at 14-30 Lee Street, Haymarket. It is legally described as Lots 12, 14 and 15 in DP 1062447. Legal descriptions of each parcel within Block B are detailed below.

| Title Details | Legal Description | | |
|----------------------|--|--|--|
| Lot 12 in DP 1062447 | The proprietor of the fee simple is Rail Corporation of New South Wales. The proprietor of the leasehold estate of the land and the buildings on the land created by lease AA651830 expiring on 30 June 2099 is Dexus CP Pty Ltd A.C.N. 160 685 156. | | |
| Lot 14 in DP 1062247 | The proprietor of the fee simple is Rail Corporation of New South Wales. The proprietor of the leasehold estate of the land and the buildings on the land created by lease AA651832 expiring on 30 November 2100 is Henry Deane Building Nominees Pty Ltd A.C.N. 081 941 951 | | |
| Lot 15 in DP 1062447 | The proprietor of the fee simple is Rail Corporation of New South Wales. The proprietor of the leasehold estate of the land and the buildings on the land created by lease AA651833 expiring on 31 March 2101 is Gateway Building Nominees Pty Ltd A.C.N. 081 951 822. | | |

1.4 **Site Location**

Located close to Central Station, Block B comprises land fronting Lee Street, Haymarket and is bounded by Henry Deane Plaza to the north, the railway corridor to the east, the Sydney Buses layover to the south and Lee Street and Railway Square to the west. Together it constitutes an area of approximately 9,632m2 at ground level, with a dimension from north to south of approximately 103-143 metres and approximately 74-81 metres from east to west (Figure 4).

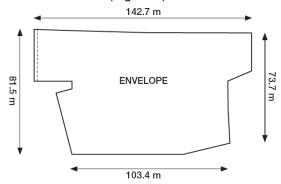


Figure 4 - Block B site boundary Source: Woods Bagot & SOM architects

Henry Deane Plaza (located on the lower datum) is centrally located within the Western Gateway and primarily funnels pedestrians between Devonshire Street tunnel, accessed from the Site's eastern boundary, and Lee Street tunnel, Railway Square, and tertiary institutions to the west.



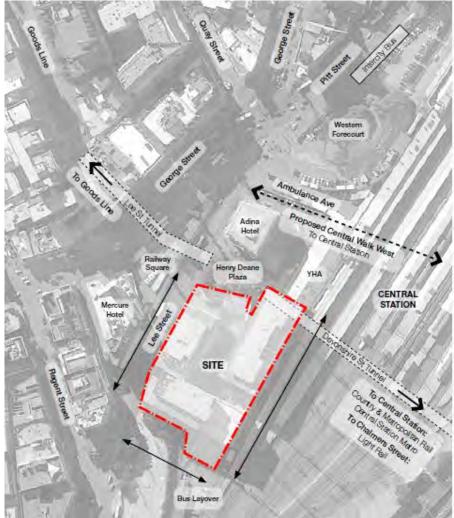


Figure 5 - Block B site boundary Source: Woods Bagot & SOM architects

The upper level of Block B flanks Henry Deane Plaza to the north and south (part of Block C). The State heritage listed Adina Hotel (part of Block C) and Sydney Railway Square Youth Hostel (YHA) (Block A) are located north of Henry Deane Plaza. South of Henry Deane Plaza is dominated by more contemporary office buildings of approximately 20 years age which are occupied by State and Commonwealth agencies including Transport for NSW, Department of Immigration and Border Protection, Department of Foreign Affairs and Trade and Corrective Services NSW.



Preliminary Site Investigation – Objectives and Scope 2.0

Senversa Pty Ltd (Senversa) was engaged by Arup Australia Pty Ltd (Arup) to undertake a Preliminary Site Investigation (PSI) for Dexus Funds Management Limited (Dexus) and Frasers Property Australia (Frasers Property) (the Consortium) at Block B identified as 14-30 Lee Street, Haymarket, otherwise known as the Site or Block B. Block B location is shown on Figure 1 (attached).

Information provided to Senversa indicates the Consortium is seeking to develop Block B and requires an assessment of potential contamination in accordance with the staged approach (Section 3.5) and rezoning decisions (Section 4.1) set out in the SEPP 55-Remediation of Land, Contamination Planning Guidelines (SEPP-55) and guidance under the CLM Act 1997.

2.1 **Investigation Objective**

The primary objective of this PSI was to develop an understanding of the potential for contamination to be present at Block B as a result of current and historical land uses that may pose an unacceptable risk to human health or ecological receptors and that might significantly impact redevelopment.

The objectives of this PSI are therefore to assess:

- the potential for contamination to be present on or beneath Block B as a consequence of current or historical activities on and surrounding the land.
- the potential for the contamination to pose an unacceptable risk to human health or ecological receptors (both on-site and off-site).
- the potential for the contamination to impact upon the suitability of Block B for the potential proposed site redevelopment works.

2.2 Scope of Work

To meet the project objectives, Senversa completed the following scope of works:

- A review of background information relating to Block B, including:
 - previous investigations relating to site contamination.
 - the NSW Environment Protection Authority (EPA) Contaminated Land Register.
 - historical aerial photographs.
 - groundwater bore information.
 - relevant government databases.
 - published soil, geology and topographic maps.
- A site inspection and review of current site land-use.
- The preparation of this report.

To support the PSI, Land Insight and Resources Pty Ltd (LIR) was engaged by Senversa to undertake a search of historical aerial images and publicly available information relating to environment, land use activities and various Government records. The results, sources and limitations of information used by LIR are provided in **Appendix A**.

The PSI is limited to information relating to the potential nature of soil and groundwater contamination – Senversa did not assess hazardous building materials or heritage.

This assessment was conducted with reference to relevant parts of the following guidelines:

- National Environment Protection (Assessment of Site Contamination) Measure 1999 (ASC NEPM (1999)) (as amended May 2013) - herein referred to as the ASC NEPM (2013).
- Office of Environment and Heritage (2011). Guidelines for Consultants Reporting on Contaminated Sites.



3.0 Site Identification Summary

Block B identification information is summarised within the table below:

| Approximately 14-18 m AHD |
|---|
| 33°52'03.92" S 151°12'12.79" E (approximate centre of site) |
| B8 – Metropolitan Centre |
| Approximately 1.0 ha. |
| City of Sydney |
| 14-30 Lee St, Haymarket, NSW. |
| Description |
| |



Site Background Review 4.0

Site Setting 4.1

The following sections summarise the information obtained during Block B background and history

A copy of database search results is provided in **Appendix A**.

| Item | Detail |
|---|--|
| Current Land Use | Metropolitan Centre. |
| Surrounding Land use | The land uses surrounding Block B were: North – High density metropolitan area with both commercial and residential buildings, followed by an area for public recreation (Belmore Park). |
| | <u>South</u> – Infrastructure (train lines), then an open space area for public recreation (Prince Alfred Park). |
| | <u>East</u> – Train station (Central Station), train lines, then high density area with both commercial and residential buildings. |
| | West – Lee Street, then high density metropolitan area with both commercial and residential buildings. |
| Topography | The elevation of Block B is approximately 14-18m AHD. Generally, Block B and its surrounding area gradually slope to the west. |
| Hydrology | The closest off-site surface water body is Darling Harbour located 1.2 km north to north-east of Block B and Blackwattle Bay located approximately 1.6 km north of Block B. |
| | As Block B is primarily sealed, surface waters are likely to flow to on-site stormwater drains which are inferred to discharge to stormwater mains within Lee Street. |
| Geology, Soils, Acid Sulphate Soils and Naturally Occurring Asbestos | A review of Geological Survey of NSW 1:100,000 Sydney geological map sheet, indicates the landscape comprises: Triassic Period, Wianamatta Group, Ashfield Shale consisting of black to dark grey shale and laminate. This overlies Triassic Period, Hawkesbury Sandstone. There are a number of east-south-east trending dykes in the area, these comprise: sedimentary breccia injected with basalt. |
| | Natural soils, where still present may comprise shallow to moderately deep red and brown Podzolic soils on crests, upper slopes and well-drained areas. Deep yellow Podzolic soils and soloths on lower slopes and in areas of poor drainage. Moderately reactive highly plastic subsoil, low soil fertility, and poor soil drainage are some limitations. |
| | Bore logs (Douglas Partners, April 1998 and February 1999) produced during geotechnical investigations for the previous redevelopment of Block B indicate that Block B contained fill comprising coke, slag, ash, bricks and railway ballast. At the time of the investigation, the depth of fill was up to 8.0 m bgl. |
| | A review of the Atlas of Acid Sulphate Soil (ASS) maps suggests that Block B is identified as Class 5, and areas within the 1 km search radius range from Class 5 to Class 2. |
| Hydrogeology | A search of the NSW Department of Primary Industries (DPI) database identified 43 groundwater bores within 500 m of Block B registered for monitoring purposes. |
| | Based on DPIs records for standing water levels in surrounding bores, groundwater may be as shallow as 2 m bgl. The Sydney Metro Technical Services Report (AECOM and Parsons Brinckerhoff, February 2017) reported groundwater levels shallow as 1.6 m bgl in a bore located approximately 100 m east of Block B. |
| | Geotechnical drilling logs produced for an on-site investigation in 1999 indicate that groundwater was observed at approximately 4 m to 6 m bgl. It is considered that groundwater is therefore likely to occur within fill materials at Block B. |
| | Aguifers in the local area are described as porous, extensive and highly productive. |



4.2 **Site History**

4.2.1 **Aerial Photography/ Historical Maps**

Aerial photographs and historical Maps provided in **Appendix A** were reviewed as part of the site history assessment. The following information was obtained for Block B and its surrounds:

| Photograph/ Map Details | Description | | | | |
|--|---|--|--|--|--|
| 1854 – Woolcott and Clarkes Map of Sydney | <u>Site</u> – Devonshire Street is present along Block B's northern boundary. <u>Surrounds</u> – Burial grounds are labelled adjacent to Block B's eastern boundary. The extent of the burial grounds is not indicated on the map. | | | | |
| 1956 – City of Sydney Building Surveyors Detail Sheet | Site – Devonshire Street is indicated as a subway by this time. Surrounds – The building located at the corner of Lee Street and Broadway, directly west of Block B appears to have been labelled as a service station. This assumption is further supported by the Historical Business Records in Section 3.2.2 of this report which indicate that Motor Engineers and Repairers was located 20 m west of Block B in 1950. | | | | |
| 1958 – City of Sydney Planning Scheme Map | <u>Site</u> – A long building extending from the north of Block B to Block Bs southern corner is labelled as a carriage shed. The Devonshire Street subway is also indicated as having been present. <u>Surrounds</u> – The Central Station Railway tracks are now present. | | | | |
| 1930 – Black and White | Site – A small rectangular building is present along the eastern boundary of Block B. A large rectangular building (carriage shed) was situated in the centre, extending to the southern corner of Block B. A rail siding appears to have been present in the south-west corner of Block B with a small shed adjacent to the east of the rail siding. Surrounds. The majority of site's curroundings were comprised of high density commercial. | | | | |
| | <u>Surrounds</u> – The majority of site's surroundings were comprised of high density commercial and residential buildings. Central Railway Station was positioned directly adjacent to the east of Block B. Belmore Park was shown to the north and Prince Alfred Park to the south of Block B. | | | | |
| 1943 – Black and White | <u>Site</u> – No significant changes observed from the 1930 aerial photograph. <u>Surrounds</u> – No significant changes observed from the 1930 aerial photograph. | | | | |
| 1951 – Black and White | Site - A structure (inferred to be a pedestrian walkway) has been constructed over the rail siding in the south-west corner of Block B. Surrounda. No significant shapes a change of feat the 1042 action between the property of the period of the peri | | | | |
| 1961 – Black and White | <u>Surrounds</u> – No significant changes observed from the 1943 aerial photograph. <u>Site</u> – No significant changes observed from 1951 aerial photography. <u>Surrounds</u> – No significant changes observed from the 1951 aerial photograph with the exception of increasing development of buildings in the surrounding area. | | | | |
| 1970 – Black and White | <u>Site</u> – No significant changes observed from the 1961 aerial photograph. <u>Surrounds</u> – No significant changes observed from the 1961 aerial photograph. | | | | |
| 1975 – Black and White | <u>Site</u> – No significant changes observed from the 1970 aerial photograph. <u>Surrounds</u> – No significant changes observed from the 1970 aerial photograph with the exception of increasing development of buildings in the surrounding area. | | | | |
| 1978 – Black and White | <u>Site</u> – No significant changes observed from the 1975 aerial photograph. <u>Surrounds</u> – No significant changes observed from the 1975 aerial photograph with the exception of increasing development of buildings in the surrounding area. | | | | |
| 1982 – Colour | <u>Site</u> – No significant changes observed from the 1978 aerial photograph. <u>Surrounds</u> – No significant changes observed from 1978 aerial photograph with the exception of increasing development of buildings in the surrounding area. | | | | |



| Photograph/ Map Details | Description | | | |
|----------------------------|---|--|--|--|
| 1986 – Colour | Site – No significant changes observed from the 1982 aerial photograph. | | | |
| | <u>Surrounds</u> – No significant changes observed from the 1982 aerial photograph with the exception of increasing development of buildings in the surrounding area, and also development of Central Station. | | | |
| 1991 – Colour | <u>Site</u> – No significant changes observed from the 1986 aerial photograph. | | | |
| | Surrounds – No significant changes observed from the 1986 aerial photograph with the exception of increasing development of buildings in the surrounding area, and removal of what appears to be a train stabling building/covered platform directly south of the south within Central Station. | | | |
| 1994 - Colour | Site – No significant changes observed from the 1991 aerial photograph. | | | |
| | • <u>Surrounds</u> – No significant changes observed from 1991 aerial photography with the exception of increasing development of buildings in the surrounding area. | | | |
| 1998 – Colour | <u>Site</u> – No significant changes observed from the 1994 aerial photograph. | | | |
| | <u>Surrounds</u> – No significant changes observed from the 1998 aerial photograph with the exception of increasing development of buildings in the surrounding area, with the closest development noted to be across from Block B's western and southern boundaries. | | | |
| 2004 – Colour | <u>Site</u> – Block B has been redeveloped to its current form, with the most significant changes being the construction of commercial buildings now identified as the Dexus and Frasers Property buildings. | | | |
| | <u>Surrounds</u> – No significant changes observed from the 1998 photograph with the exception of increasing development of buildings in the surrounding area. | | | |
| 2007 - Colour | Site – No significant changes observed from the 2004 aerial photograph. | | | |
| | • <u>Surrounds</u> – No significant changes observed from the 2004 aerial photograph. | | | |
| 2010 – Colour | Site – No significant changes observed from the 2007 aerial photograph. | | | |
| | <u>Surrounds</u> – Large areas of commercial and residential buildings to the west of Block B have been demolished. | | | |
| 2014 - Colour | Site – No significant changes observed from the 2010 aerial photograph. | | | |
| | • <u>Surrounds</u> – Development of the previously demolished area to the west south-west of Block B into commercial and residential buildings and a small park. | | | |
| 2016 – Colour | Site – No significant changes observed from the 2014 aerial photograph. | | | |
| | Surrounds – No significant changes observed from the 2014 aerial photograph. | | | |
| 2019 – Colour | Site – No significant changes observed from the 2016 aerial photograph. | | | |
| | Surrounds – Development occurring within Central Station, east and south-east of Block B. | | | |



4.2.2 Historical Business Records

A search of historical business records for Block B and surrounding area (200 m radius) was undertaken from the 1930s to the 1990s. A full copy of the historical business records is provided within **Appendix A**, some historical businesses of note are listed below.

| Year of Records | Listed Business Types |
|-----------------|---|
| 1930s | Railway carriage and rolling stock manufacturers and importers (121 m, north-west). |
| | Smelters and refiners (122 m, west). |
| | Fertiliser manufacturers (distance and direction from site not specified). |
| 1940s | Motor service stations (48 m, north). |
| | Quarries and stone merchants (74 m, south-west). |
| | Motor engineers and repairers (distance and direction from site not specified). |
| | Fuel merchants (distance and direction from site not specified). |
| 1950s | Motor engineers and repairers (20 m, west). |
| | Chromium platers (20 m, west). |
| | Insulating material supplies (23 m, south-west). |
| | Dry cleaners and dyers (27 m, west). |
| | Motor accessories manufacturers and/or wholesalers (87 m, west). |
| | Metallurgists (115 m, west). |
| | Foundries – brass (146 m, west). |
| | Motor garages and service station (153 m, south-west). |
| 1960s | Cleaners – general (20 m, west). |
| | Waste merchants (20 m, west). |
| | Aluminium (54 m, west). |
| | Gunsmiths (130 m, north). |
| 1970s | Electrical manufacturing (20 m, west). |
| | Fire protection appliances and engineers (74 m, south-west). |
| | Metal refiners (115 m, west). |
| | Guns and gunsmiths (123 m, north). |
| | Ammunition and explosives (130 m, north). |
| 1980s | Chemicals – agricultural (192 m, north). |
| 1990s | Fertilizers (153 m, south-west). |
| | Guns and ammunition (195 m, north). |

NSW EPA Contaminated Land Records of Notice 4.2.3

A search of the NSW EPA Contaminated Land Records of Notices issued under the Contaminated Land Management Act 1997 was undertaken for Block B and a 1 km buffer area is provided in Appendix A. **This** indicated that no records of contaminated land were held for Block B and its surroundings.



NSW EPA Contaminated Land Search 4.2.4

A search of the NSW EPA Contaminated Land Records of Notice database for sites notified as contaminated under the Contaminated Land Management Act 1997 was undertaken for Block B and a 1 km buffer area. The result is summarised below and a map indicating the location of the sites listed below is provided in **Appendix A**.

| Site Name | Address | Activity that caused Contamination | EPA Site Management Class | Distance (m) | Direction |
|---|---|------------------------------------|--|--------------|------------|
| Frasers Development | Wellington Street Chippendale | Chemical Industry | Under assessment | 180 m | South-west |
| Ausgrid Road Reserve | Mary Street, Surry Hills | Other Industry | Regulation under CLM Act not required | 478 m | North-east |
| Former Legion Cabs (Trading) Cooperative | 81 & 81A (Formerly 69 - 81) Foveaux Street, Surry Hills | Service Station | Regulation under CLM Act not required | 552 m | East |
| Shell Coles Express Service Station | 387-429 Wattle Street, Ultimo | Service Station | Regulation under CLM Act not required | 705 m | North-west |
| BP Service Station | 116 Regent Street, Redfern | Service Station | Regulation under CLM Act not required | 989 m | South-west |

4.2.5 **Defence Sites (current and former)**

A search of the NSW EPA Contaminated Land Records of Notice database undertaken for Block B and 1 km buffer area. The result is summarised below and a map indicating the location of the site listed below is provided in **Appendix A**.

| Site name | Defence code | Description | Distance (m) | Direction |
|--|--------------|---------------------------------|--------------|------------|
| Sydney; defence site Sydney Remington centre (L) | JODEER2-1 | 175 Liverpool Street, Sydney | 854 m | North-east |

Delicensed Activities (still regulated by the EPA)

A search of the NSW EPA record of delicensed activities under the Protection of the Environment Operations Act 1997 was undertaken for Block B and a 1 km buffer area. The result is summarised below and a map indicating the location of the sites listed below is provided in Appendix A.

| Organisation | Address | Fee Based Activity | Status | Distance (m) | Direction |
|--|---|---|-------------|-----------------|------------|
| Carlton & United Breweries (NSW) PTY LTD | 26-98 Broadway Sydney | Brewing and distilling Hazardous, Industrial or Group A Waste Generation or Storage | Surrendered | 182 m | South-west |
| The Preterm Foundation | 1-5 Randle Street, Surry Hills | Hazardous, Industrial or Group A Waste Generation or Storage | Delicensed | 308 m | East |



| Organisation | Address | Fee Based Activity | Status | Distance (m) | Direction |
|--|-----------------------------------|---|----------------|-----------------|-----------|
| Nationwide News PTY LTD | 2 Holt Street Sydney | Hazardous, Industrial or Group A Waste Generation or Storage | Surrendered | 425 m | East |
| Jackson Phillips | Central Station Sydney | Deposit Litter (lit cigarette) | Penalty Notice | 0 m | East |
| Powercor Network Services PTY LTD | 28 Foveaux Street Sydney | Transport etc asbestos waste to unlawful facility - other - Corporation | Penalty Notice | 460 m | East |

4.2.7 **NSW EPA Licenced Activities Search**

A search of the NSW EPA record of former licensed activities under the *Protection of the Environment* Operations Act 1997 (POEO Act) was undertaken for Block B and a 1 km buffer area. The result is summarised below and a map indicating the location of the sites listed below is provided in Appendix A.

| EPL# | Organisation | Address | Activity | Distance from Site |
|-----------|---|--|---|--------------------|
| 21148 | Laing O'Rourke Australia Construction Pty Ltd | Central Railway Station - Sydney Metro Central Main Works | Railway systems activities | 0 m |
| 21130 | Downer EDI Works PTY LTD | Parts of Lot 118 DP1078271 and Lot 103 DP1188890, SYDNEY, NSW, 2000 | Railway systems activities | 0 m |
| 12208 | Sydney Trains | PO BOX K349 | Railway systems activities | 80 m |
| 20768 | Enwave Central Park PTY LTD | 3 CENTRAL PARK AVENUE | Generation of electrical power from gas | 336 m south-west |

4.2.8 **Former Gasworks Database**

A search of the former gasworks data source provided by the EPA undertaken for Block B and 1 km buffer area. The result is summarised below and a map indicating the location of the site listed below is provided in Appendix A.

| Site | Location | Distance (m) | Direction |
|------------------------|--|--------------|------------|
| Haymarket Gasholder | Corner of Barlow and Pitt Streets, Haymarket | 420 m | North-east |

There is also anecdotal evidence of a gas works being present with the footprint of Central Station itself. There are limited records about this gas works but it is understood that this may have been found during the current excavation works associated with Sydney Metro station box excavation. It is also understood that this excavation activity may also have uncovered human remains potentially associated with the former burial ground in this area.



4.2.9 **Waste Management Database**

A search of the waste management facilities data source provided by Geosciences Australia undertaken for Block B and a 1 km buffer area provided in Appendix A, indicated that there were no waste management facilities encountered within the buffer area.

4.2.10 NSW EPA Per and Polyfluoroalkyl Substances (PFAS) Investigation Program

A search of the NSW EPA PFAS Investigation Program database undertaken for Block B using a 2 km buffer indicated that no records of investigations were being undertaken as part of the program (see Appendix A).

4.2.11 Dangerous Goods Search

A search of the SafeWork NSW Storage of Hazardous Chemicals was undertaken for Block B. SafeWork wrote to Senversa on 26 July 2019 and stated that it had no records of hazardous chemical storage pertaining to Block B.

4.3 **Previous Investigations**

In undertaking this PSI, Senversa completed a review of the following information relating to previous investigations at or in the vicinity of Block B:

- AECOM Australia Pty Ltd and Parsons Brinckerhoff Australia Pty Ltd, February 2017. Sydney Metro - City and Southwest - Technical Services.
- Douglas Partners, April 1998. Henry Deane Park Project Bore Logs BH01 BH06.
- Douglas Partners, February 1999. Henry Deane Park Project Bore Logs BH101 BH106.
- State Railway Authority (SRA House) Construction Photos 1999) (Now known as 14 Lee Street owned by Dexus).

AECOM Australia Pty Ltd and Parsons Brinckerhoff Australia Pty Ltd (February 2017) 4.3.1

It is noted that the investigation area associated with this report is located predominantly 150 m to 250 m east of Block B and therefore is only an indication of potential contaminants of concern rather than a representation of likely conditions at the subject site. The investigation locations were around the Central Station platforms and rail lines, with particular focus on the eastern side of the station. Some key information noted in this report included the following:

- Fill in the investigation area ranged from 1.0 m to 4.0 m comprising sand, sandy gravel and clay with cobbles, rail ballast, bitumen, ash, coal and brick in shallow fills and with clayey sand and clay with some gravels in the deeper areas of fill.
- Groundwater depths were observed as shallow as 1.6 mbgl at SRT_BH064 located approximately 100 m east of Block B.
- Groundwater flow in fractured rock masses was dominated by flows along discontinuities. This including flow along bedding planes, sub-vertical joints, fault zones and contacts of dykes due to presence of fractured interfaces. These discontinuities can form preferential paths for groundwater flow.
- Some historical site use information of note includes:
 - A large cemetery was present in the vicinity of Central Station until 1901, and 30,156 graves were relocated before 1902.
 - Recent information indicates that three gasholder tanks could be located within Central Station, south of SRT BH006 and potentially under the Guardhouse building.
- It should be noted that recent newspaper reports indicate that information regarding the presence of graveyards at Central Station has further developed in recent months.



- Polycyclic aromatic hydrocarbons (PAH), total recoverable hydrocarbons (TRH) and heavy metals such as lead and chromium were detected at several locations, however, soil results reported concentrations of analysed contaminants below adopted human health criteria. Generally, soil results also reported analysed contaminants below the solid waste threshold criteria, either in initial testing or following leachability testing.
- Groundwater results generally indicate minor TRH contamination in the vicinity of the Central Station works area, although no significant contamination was identified. Metals generally appeared to be at background levels, although some elevated zinc may indicate impact. Volatile Organic Compounds (VOCs) were detected in well SRT-BH064 (this was the only sample analysed for VOCs). Detections were of benzene, toluene and 1,1-dichloroethene.
- Analysis of selected soil samples for Acid Sulphate Soils (ASS) reported peroxide oxidisable sulphur was below the detection limit for all samples and chromium reducible sulphur was below detection where analysed, indicating that the soil is unlikely to be ASS or potential ASS. Three samples showed total actual acidity (TAA) and total potential acidity (TPA) over the action criteria from the NSW ASS manual. However, the lack of measurable sulphur in the sample indicated that the acidity is likely from another source. It was suggested that "as results exceeded the action criteria, treatment may be required regardless of the absence of detectable sulphur".

4.3.2 **Previous Land Development at Block B**

As indicated in the review of historical aerial photographs, the most recent development of Block B was between 1998 and 2004. The information below indicates that the majority of the development occurred between 1999 and 2000 and was predominantly within the central and southern portion of Block B, titled the Henry Deane Park Project on geotechnical logs. The following sections include a review of information made available to Senversa relating directly to the Henry Deane Park Project.

4.3.2.1 Bore Logs, Henry Deane Park - Douglas Partners (April 1998)

Six logs (BH01-BH06) for boreholes drilled for the Henry Deane Park Project in April 1998 were reviewed (Appendix B). The logs indicated that fill to 5.6 m was present at the site and included ash, bricks and railway ballast. The bore logs do not indicate that groundwater was encountered or that environmental samples were collected during the investigation. A figure annotating the on-site location of the boreholes was not available.

4.3.2.2 Bore Logs, Henry Deane Park - Douglas Partners (February 1999)

Seven logs (BH101-BH107) for boreholes drilled for the Henry Deane Park Project in February 1999 were reviewed (Appendix B). The logs indicated that fill to 8.0 m was present at the site and included coke, slag, ash, ironstone and railway ballast. Based on a figure provided to Senversa (Appendix B), it is understood that six of the seven bores were drilled within the footprint of the current Dexus building (formerly known as the SRA House) located on the eastern side of Block B. The logs indicate that groundwater was encountered between 4 and 6 m bgl in some bores. The logs do not indicate that environmental samples were collected during the investigation.

4.3.2.3 Photos of Henry Deane Park Development – (March – June, 1999)

The photos located in Appendix C were taken during the construction of the building formerly referred to as the SRA House located at 14 Lee Street, currently owned by Dexus.

Based on the photos, it is likely that an extent of this fill was removed during the development of Henry Deane Park in 2000; however, Senversa has not reviewed any reports that detail the extent of excavations across Block B or information detailing the fate of the fill excavated at Block B.

4.3.3 Architect Development Plans, SOM, Woods, Bagot - (May, 2019)

Based on the architectural development plans provided to Senversa (Appendix D), the proposed use of Block B appears to be for commercial use including retail and additional basement carparking

Site Background Review



The footprint of the proposed development appears to be primarily within the previous Henry Deane Park development area with the exception of the YHA building footprint (Block A), which appears to include the construction of a commercial building with a two-level basement. It is noted that this proposed development is situated offsite, adjacent to the northern boundary.

Given that excavations will be undertaken in areas that may not been excavated during the previous development (including but not limited to the north east portion of Block B), it is considered likely that potentially contaminated fill will be encountered by intrusive workers. Furthermore, there is the potential that potentially contaminated groundwater will be encountered by intrusive workers during the construction of additional basements at Block B. The fill will need to be waste classified before being removed from site.



Site Inspection 5.0

Accessible portions of Block B were inspected by a Senversa representative on 16th July 2019 to assess the current site building layout and general use. The inspection results are summarised in the table below. Selected photographs from the walkover are provided in Appendix E.

Limitations to Block B inspections include:

- Senversa did not assess hazardous building materials.
- The walkover was predominantly focused on inspecting the basement areas of the buildings for any infrastructure/activities that may directly impact subsurface soils/groundwater.

Observations/Anecdotal Information Area

20 - 26 Lee Street. Southern and South **Eastern** Building -Frasers **Property**

- The southern and south-western building predominantly comprised government office space including the Sydney Passport Office, Department of Foreign Affairs and Trade and Bureau of Crime and Statistics.
- Senversa was accompanied by Mr Anthony Trpcevski, who is the building Manager for Frasers Property.
- A basement carpark was present which connected the southern and south eastern buildings. No significant staining was noted on the basements surface, with minor oil stains noted within some vacant car spaces.
- Mr Trpcevski indicated that one underground storage tank (UST) was present beneath each of the buildings, both containing diesel.
- The UST beneath the southern building had a capacity of 5,000 L and was present in the south-west corner of the basement. The approximate location of the UST is indicated on Figure 1 attached.
- The UST beneath the south-western building had a capacity of 2,500 L and was present in the south-west corner of the basement. The approximate location of the UST is indicated on Figure 1 attached.
- No monitoring wells, associated with the USTs, were observed in the basement.
- Stormwater drainage lines were present within the carparks subsurface and are inferred to discharge to stormwater lines locate at Block B's eastern boundary.
- Mr Trpcevski indicated that the in-building sprinkler system on site comprised water only and did not incorporate Aqueous Film Forming Foams (AFFFs).

14 Lee Street. Western **Building** -Dexus

- The western building predominantly comprised government office space including Transport for NSW with other commercial spaces including food and beverage outlets and a mobile telephone retail store.
- Senversa was accompanied by Mr Anton La Vin of Dimeo who provided access to the basement area of the building. No significant staining was noted on the basements surface, with minor stains noted within some vacant car spaces.
- Dexus indicated that no USTs are present in the building.
- Stormwater drainage lines were present within the carparks subsurface and are inferred to discharge to stormwater lines locate at Block B's eastern boundary.
- Dexus stated that the in-building sprinkler system on site comprised water only and did not incorporate AFFFs.

Open Space Areas

The remainder of Block B is predominantly surface with pavers with the exception of open grass area approximately central to Block B.



Area **Observations/Anecdotal Information**

Surrounding Land

- A surface and subsurface drainage line was noted along Block B's eastern boundary between the Dexus building and Central Station.
- There is a large depression adjacent to Block B's northern boundary which appears to have been excavated to allow for pedestrian access beneath Central Station via the Devonshire Street subway.
- It is noted that the YHA building (Block A) located north-east of Block B appears to be topographically elevated when compared to the rest of Block B. The Aldina Apartment Hotel (Block C) is situated approximately 3 m lower than the YHA building.
- The remainder of the surroundings appear to be consistent with the descriptions provided in Section 3.1 of this report.



Conceptual Site Model 6.0

6.1 **Sources of Contamination**

Based on the site history and background data reviewed and Senversa's professional experience, the Contaminants of Potential Concern (CoPC) associated with current and historical land uses undertaken in the general area are considered to include the following:

| Potential Source | | Contaminants of Potential Concern | Comments |
|------------------|--|---|--|
| On-Site | Potential source 1 - Uncontrolled Fill | Asbestos, TRH, PAH, benzene, toluene, ethylbenzene and xylenes (BTEX), heavy metals, polychlorinated biphenyls (PCBs), VOCs, semi-volatile organic compounds (SVOCs). | Bore logs from historical investigations at Block B indicated that over 8 m of fill was present in some areas, which included industrial residues such as ash, slag, coke, brick and railway ballast. This fill may have also impacted shallow groundwater. |
| | Potential source 2 – Historical commercial/industrial use i.e. rail industry | TRH, PAH, BTEX, cyanide, phenols, heavy metals, VOCs, SVOCs. Organochlorine Pesticides (OCP) and Organophosphorus Pesticides (OPP). | Prior to Henry Deane Plaza, Block B comprised a number of industrial buildings including a carriage shed. Leaks and spills to ground from train maintenance or other rail related maintenance are considered a potential source of contamination at Block B. Gas works waste may be an issue as may human remains. |
| | Potential source 3 – Underground Storage Tanks | TRH, BTEX, PAH, VOC/SVOCs, phenols | At least two diesel USTs are present on-site, located within the basement of the Fraser buildings. Leaks or spills associated with the USTs is a potential source of contamination for soils and shallow groundwater at Block B |
| | Potential source 4 – Soil Acidity | Heavy metals | As summarised from the Sydney Metro Technical Services Report (February 2017) in Section 3.3.1 of this report, the TAA and TPA of some soil samples were reported over the action criteria specified in the NSW Acid Sulphates Soil Manual. The lack of measurable sulphur in the sample indicated that the acidity is likely from another source, but it was suggested that as results exceeded the action criteria, treatment may be required regardless of the absence of detectable sulphur. |
| | | | The TAA and TPA of soils should at least be considered for further assessments. |
| Off-Site | Potential Source 5 – Historical surrounding commercial / industrial / land uses | PFAS, SVOCs, TRH, BTEX, PAH, heavy metals, VOCs, ammonia, cyanide. | The surrounding land has been subject to a long period of commercial and industrial use and therefore there are likely to be a number of potential sources of contamination, with the mostly likely pathway to Block B being via groundwater. |

6.2 **Potential Pathways**

The primary potential exposure pathways of concern at Block B are:

- inhalation of contaminated dust or vapours.
- dermal contact and/or incidental ingestion with contaminated soils.
- transport of contamination to underlying groundwater aquifers.
- transport of contaminants through mechanical transport.



Potential Receptors 6.3

Key receptors have been identified as:

- future site workers.
- future site users including workers carrying out installation or maintenance works within Block B.
- future potential site users of groundwater.
- adjacent sensitive receptors.



6.4 Qualitative Evaluation of Environmental Risk

The table below presents an indication of the potential risk level associated with the pathways-receptors linkages discussed above. The likelihood of a complete source-receptor pathway and potential management options that can be used to make Block B suitable for the proposed use.

| Potenti | al Source | Contaminants of Potential Concern | Potential Pathway | Likely Receptors | Likelihood of Complete Source- Receptor Pathway | Potential Risk Level to Receptor (assuming pathway complete) | Some Potential Management Options |
|---------|--|---|--|---|--|---|--|
| On-Site | Uncontrolled Fill (soil) – Source 1 | Asbestos, TRH, PAH, benzene, BTEX, heavy metals, PCBs, VOCs, SVOCs. | Dermal contact/ ingestion Inhalation during construction and ongoing occupation of building | Onsite future construction workers and ongoing commercial workers | To be assessed. Noting that most of the fill material previously identified at Block B may have been removed during previous redevelopment. However, the information reviewed does not confirm the extent of fill removal. | High | Further assess nature, extent and concentrations of contaminants. If required, additional management options may include: Undertake a risk assessment. Potential impact to construction workers to be communicated and managed through appropriate WHS practises and required. Excavate and remove offsite. Cap and contain may be an option depending on location depth and types of contaminants present. |
| | Soil Impacts via historical commercial/indust rial use – Source 2 and 3. | TRH, PAH, BTEX, cyanide, phenols, heavy metals, VOCs, SVOCs, OCP/ OPP. | Dermal contact/ ingestion and Inhalation during construction and ongoing occupation of building | Onsite future construction workers and ongoing commercial workers | To be assessed. Noting that soil impacts may have been removed during previous redevelopment. However, the information reviewed does not confirm the extent of excavations. | High | Further assess nature, extent and concentrations of contaminants. If required, additional management options may include: Undertake a risk assessment. Potential impact to construction workers to be communicated and managed through appropriate WHS practises and required. Excavate and remove offsite. Cap and contain may be an option depending on location depth and types of contaminants present. |



| Potenti | al Source | Contaminants of Potential Concern | Potential Pathway | Likely Receptors | Likelihood of Complete Source- Receptor Pathway | Potential Risk Level to Receptor (assuming pathway complete) | Some Potential Management Options |
|----------|---|--|--|---|---|---|--|
| | Groundwater impacts via historical commercial/indust rial use – Source 2 and 3. | TRH, PAH, BTEXN, cyanide, VOCs, SVOCs | Dermal contact/ ingestion during construction. Inhalation during construction and ongoing occupation of building | Onsite future construction workers and ongoing commercial workers | To be assessed. | High | Further assess nature, extent and concentrations of contaminants. If required, additional management options may include: Undertake a risk assessment. Potential impact to construction workers to be communicated and managed through appropriate WHS practices as required. On-site groundwater extraction precluded/restricted to manage future dermal / ingestion risks. If Inhalation risk to ongoing commercial workers is present, risks would require management through either active treatment such as remediation system or passive treatment options such as a vapour barrier. Costs would likely be significant if inhalation risks required management. |
| | Soil Acidity – Source 4 | Heavy metals | Dermal contact/ ingestion during construction. | Onsite future construction workers and ongoing commercial workers Damage to site infrastructure | To be assessed but considered to be low. | Moderate | Assess the potential for soils to become acidic in oxidising conditions. Treatment (neutralisation) of soils during excavation/ construction works if required. |
| Off-Site | Groundwater impacts via surrounding commercial / industrial / land uses - Source 5 | PFAS, SVOCs, TRH, BTEX, PAH, heavy metals, VOCs, ammonia, cyanide. | Dermal contact/ ingestion during construction. Inhalation during construction and ongoing occupation of building | Onsite future construction workers and ongoing commercial workers | To be assessed. | High | Further assess nature, extent and concentrations of contaminants. If required, additional management options may include: Potential impact to construction workers to be communicated and managed through appropriate WHS practices as required. On-site groundwater extraction precluded/restricted to manage dermal / ingestion risks. If Inhalation risk to ongoing commercial workers is present, risks would require mitigation through either active treatment such as remediation system or passive treatment options such as a vapour barrier. Costs would likely be significant if inhalation risks required management. |



As outlined within the CSM presented above, Senversa considers there to be potentially complete pollutant linkages at Block B resulting from:

- historical off-site and on-site commercial/industrial use.
- potentially impacted imported fill materials of unknown origin.
- underground storage of fuels at Block B.

Based on information reviewed as part of this PSI, Senversa considers that an additional investigation is required to further assess the potential risk of contamination to be present at Block B from identified potentially contaminating land uses.

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7.0 Conclusions and Recommendations

Senversa Pty Ltd (Senversa) was engaged by Arup Australia Pty Ltd (Arup) to undertake a Preliminary Site Investigation (PSI) for Dexus Funds Management Limited (Dexus) and Frasers Property Australia (Frasers Property) (the Consortium) at Block B identified as 14-30 Lee Street, Haymarket, otherwise known as the Site or Block B. Block B location is shown on **Figure 1**.

Block B covers an area of approximately 1.0 hectare (ha), is currently zoned as a 'Metropolitan Centre' and currently comprises a mix of commercial offices, food and beverage outlets and open space, adjacent to a pedestrian thoroughfare to the Central Station platforms.

Information provided to Senversa indicates the Consortium is seeking to develop Block B and requires an assessment of potential contamination in accordance with the staged approach (Section 3.5) and rezoning decisions (Section 4.1) set out in the SEPP 55–Remediation of Land, Contamination Planning Guidelines (SEPP-55) and guidance under the CLM Act 1997.

Objectives and Scope of Investigation

The primary objective of this PSI was to develop an understanding of the potential for contamination to be present at Block B as a result of current and historical land uses that may pose an unacceptable risk to human health or ecological receptors. To meet the project objectives, Senversa undertook a PSI that included a review of the NSW EPA contaminated land register, historical aerial photographs, groundwater bore information, relevant government databases, published soil, geology and topographic maps and a site inspection.

Results of PSI

The results of the PSI include the following:

- Block B is underlain by fill materials, clays, sandstone and shale.
- Groundwater is likely to occur within fill materials at 4 m to 6 m bgl. Groundwater is known to occur as shallow as 1.6 m bgl in the area locally.
- Fill materials with inclusions of coke, slag, ash, ironstone and railway ballast to 8 m were reported at Block B during geotechnical investigations in 1998 and 1999. It is likely that some of this fill was removed during the development of Henry Deane Park in 2000; however, Senversa has not reviewed any reports detailing the extent of fill removal or importation of clean fill.
- Block B and surrounding land have been subject to a long period of commercial and industrial use and therefore there are likely to be a number of potential sources of contamination either at Block B or within the vicinity of Block B. Identified off-site potentially contaminating activities are annotated on Figure 2.
- Groundwater is the more likely pathway for contamination originating from off-site sources to be realised at Block B.
- During Block B inspection, the presence of USTs containing diesel were noted, located in the basement of the buildings owned and managed by Frasers Property (at 20 Lee and 26 Lee Street).
 Potential leaks or spills associated with these USTs could be a potential source of contamination.

Conclusions

Based on the information reviewed and in relation to the objectives this PSI, Senversa considers that:

- there is potential that soil and/or groundwater contamination exists at Block B which has the
 potential to present a risk to human and/or ecological receptors and this needs investigation; and
- if this contamination is present in significant concentrations it may impact the suitability of Block B for its proposed use without some form of management.

Senversa recommends that further assessment via a site investigation and management (if required) of contamination is carried out in line with the staged approach set out in SEPP 55–Remediation of Land, Contamination Planning Guidelines and guidance under the CLM Act 1997.



It should be noted that additional information for Block B would help define the scope and extent of further assessment. This information includes reports (if available) associated with the Henry Deane Park development detailing fill disposal / importation at Block B between approximately 1999 and 2000. These reports may also include laboratory data that can provide an indication of the contamination status of soil and/or groundwater at Block B.

Recommendations for Further Assessment

The scope of works for further assessment would likely include but may not be limited to:

- excavation of soil bores to the either the base of fill material or depth of proposed excavations in accessible areas of Block B (whichever is the deeper) and analysis of soil for CoPCs listed in Section 5.1 of this report to assess the presence and depth fill materials or other soil impacts at Block B; and
- conversion of the deeper soil bores to groundwater monitoring wells, and sampling and analysis of groundwater for CoPCs listed in Section 5.1 of this report to assess whether historical on-site or off-site activities have contaminated groundwater quality beneath Block B.

Based on the current site layout, the location of drilled soil bores and groundwater wells will likely be limited to the open space grass area between the Frasers Property and Dexus buildings. Hand augered soil bores adjacent to existing USTs would likely provide an indication of whether diesel leaks or spills have impacted soils at these locations.

An indication of these proposed sampling locations based on the current accessibility of Block B is annotated on **Figure 3**. A thorough review of basement and subsurface utility plans for Block B will need to be undertaken before any works is undertaken.

Note that this assessment will not characterise soils for off-site disposal. However, it may provide preliminary soil data to understand likely disposal costs. Additional assessment at Block B may be required if the preliminary intrusive assessment indicates that significant contamination is present.

Likely Management Options

Assuming soils excavated for the development would be exported off-site, soils will need to be characterised for disposal in accordance with the NSW EPA Waste Classification Guidelines (2014). Given that access to soils is limited by the presence of on-site structures, soils will likely require *ex-situ* (stockpile) sampling for characterisation following excavation. The cost associated with soil disposal will depend on the level of contamination and volume of soil.

Soil beneath excavations would need to be validated via sampling and analysis to confirm that it meets the relevant land use assessment criteria in accordance with National Environment Protection (Assessment of Site Contamination) Amendment Measure ('the NEPM').

The management of groundwater contamination (if any) and associated costs and timeframes will depend on the depth of groundwater occurrence and the nature of the contaminants within the groundwater. The mitigation of human health or ecological risks presented by groundwater contamination can be challenging and costly. For this reason, it's recommended that the contamination status of groundwater is understood early in the development process.

Limitations of Recommended Scope and Management Options

It should be noted that the indicative scope for additional assessment and likely management options to make Block B suitable for the proposed development are based on a desk top review as no soil or groundwater chemical data were available for Block B. Therefore; the required extent of the assessment and management options may vary following a preliminary intrusive investigation.

25



8.0 Technical Limitations and Uncertainty

Elimination of Uncertainty

Some uncertainty is inherent in all site investigations. Professional judgment and interpretation are inherent in the process, and even when exercised in accordance with objective scientific principles, uncertainty is inevitable. Additional assessment beyond that which was reasonably undertaken may reduce the uncertainty.

Failure to Detect

Even when site investigation work is executed competently and in accordance with the appropriate Australian guidance, such as the National Environment Protection (Assessment of Site Contamination) Amendment Measure ('the NEPM'), it must be recognised that certain conditions present especially difficult target analyte detection problems. Such conditions may include, but are not limited to, complex geological settings, unusual or generally poorly understood behaviour and fate characteristics of certain substances, complex, discontinuous, random, or heterogeneous distributions of existing target analytes, physical impediments to investigation imposed by the location of services, structures and other manmade objects, and the inherent limitations of assessment technologies.

Limitations of Information

The effectiveness of any site investigation may be compromised by limitations or defects in the information used to define the objectives and scope of the investigation, including inability to obtain information concerning historic site uses or prior site assessment activities despite the efforts of the user and assessor to obtain such information.

Level of Assessment

The investigation herein should not be considered to be an exhaustive assessment of environmental conditions on a property as no samples of soil, groundwater or air have been collected. There is a point at which the effort of information obtained, and the time required to obtain it, outweigh the benefit of the information gained and, in the context of private transactions and contractual responsibilities, may become a material detriment to the orderly conduct of business.

If the presence of target analytes is confirmed on a property, the extent of further assessment is a function of the degree of confidence required and the degree of uncertainty acceptable in relation to the objectives of the assessment.

Comparison with Subsequent Inquiry

The justification and adequacy of the investigation findings in light of the findings of a subsequent inquiry should be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made.

Data Gaps and Limitations

Temporal: the PSI is limited to data available at the time of the desktop searches in February 2019.

Horizontal Spatial: the PSI is limited to data available within 1 km of Block B boundary for the desktop searches.

Vertical Spatial: whilst the PSI desktop search covered published information on geology, hydrogeology and land quality matters, the inspection did not visually observe the subsurface environment.

CoPC Identification: the CoPC list is not exhaustive and is based on visual site observations, Senversa professional experience and NSW Government (1998) State Environmental Planning Policy 55: Remediation of Land, Scheduled Activities.



Figures

Figure 1: Site Location and Site Layout Plan

Figure 2: Known or Potential Contaminating Activities within 500 m of the Site

Figure 3: Approximate Proposed Assessment Locations





Address: Level 5, 201 Kent Street, Sydney NSW 2000
Phone: (02) 9994 8016
Website: www.senversa.com.au

Site Boundary
Dexus
Frasers Property
Approximate Location of Diesel UST in Basement

| | Designed: | M. Beasley | Date: | 29/07/2019 |
|---|-----------|-------------------|-----------------------|--------------|
| | Drawn: | F. Gurnett | Revision: | 0 |
| | Checked: | | Scale: | 1:1,500 (A3) |
| | File: | n | | |
| | (| 0 10 20 40 | 60 | 80 Metres |
| Notes: Aerial imagery sourced from Nearmap Pty Ltd | ' | Datum GDA 1994, P | rojection MGA Zone 56 | |

Figure No: 1

Title: Site Location Plan

Project: Preliminary Site Investigation
Location: 14-30 Lee St, Haymarket, NSW

Client: Arup





Level 5, 201 Kent Street, Sydney NSW 2000 (02) 9994 8016

Website: www.senversa.com.au Legend

Derelict Mine/ Quarry



Operational Service Station

Telephone Exchange





Site Boundary

Operational Dry Cleaning

Former Gaswork

EPA Sites Currently Notified as Contaminated

Notes: Aerial imagery sourced from Nearmap Pty Ltd Source: Attachment A, Map 6 and Map 7A of Land Insight and Resources Report 0738 (04/07/2019).

| Designed | l: | M. Beasley | | Date: | | 21/08/ | 2019 | |
|-------------------|------------------|------------|-------------|------------|-----------|--------|--------|-------|
| Drawn: | rawn: F. Gurnett | | Revisio | n: | 0 | | | |
| Checked: | | M. Beasley | | Scale: | | 1:4,50 | 0 (A3) | |
| File: | | S17 | 454_002 | _F002_ | _Offsite_ | Contam | | |
| | 0 | 35 | 70 | 14 | 10 | 210 | 280 | |
| | | | | | | | M | etres |
| Datum GDA 1994, P | | | rojection N | 1GA Zone 5 | 56 | | | |

Figure No: 2

Title:

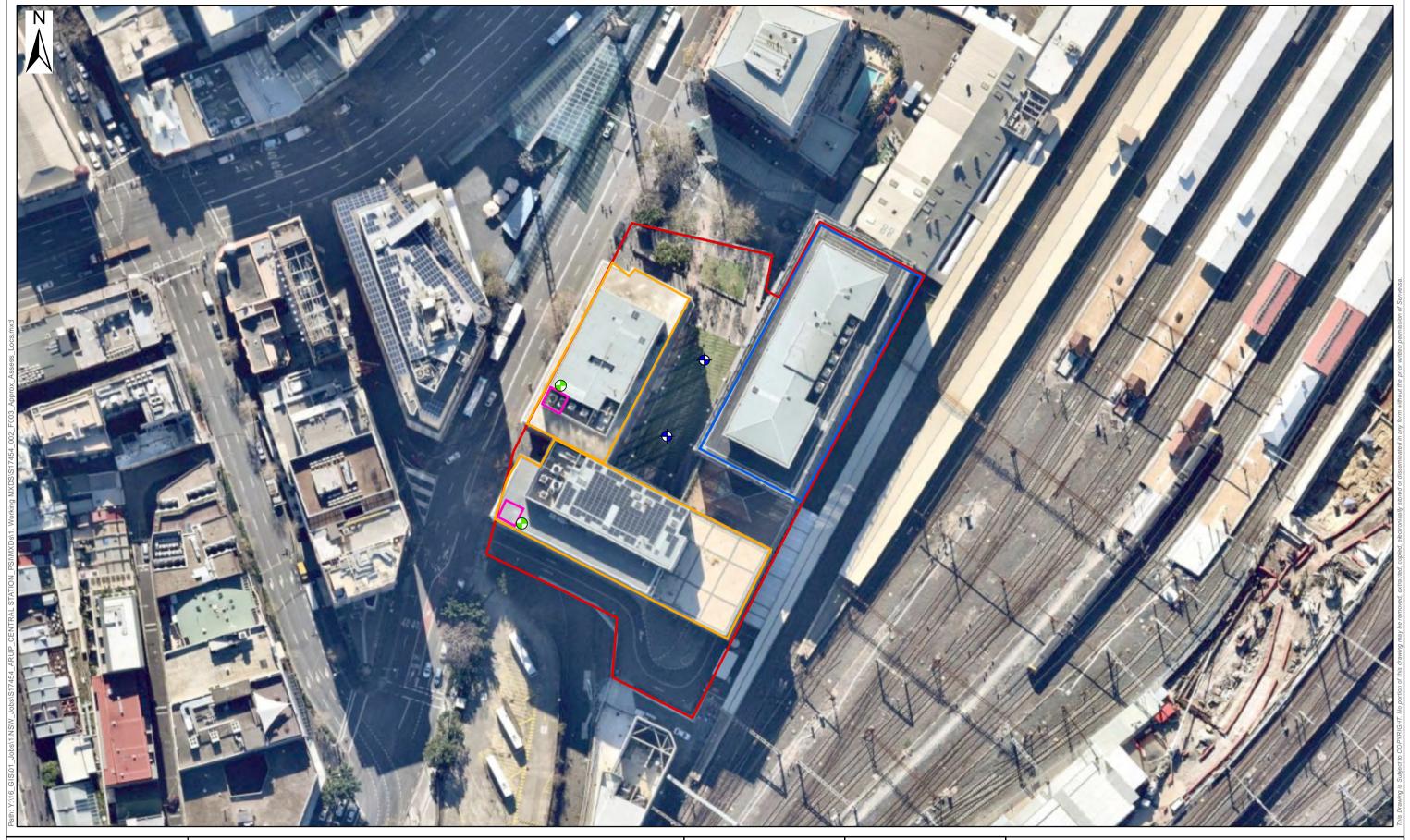
Location:

Known or Potential Contaminating Activities within 500 m of the Site

14-30 Lee St, Haymarket, NSW

Project: Preliminary Site Investigation

Client: Arup





Level 5, 201 Kent Street, Sydney NSW 2000 (02) 9994 8016

Website: www.senversa.com.au Legend

Proposed Groundwater Well Location

Proposed Hand Auger Location

Dexus

Frasers Property
Approximate Location of Diesel UST in Basement
Site Boundary

| | Designed: | M. Beasley | Date: | 21/08/2019 |
|---|-----------|-------------------------------|---------------------------------------|--------------|
| | Drawn: | F. Gurnett | Revision: | 0 |
| | Checked: | M. Beasley | Scale: | 1:1,000 (A3) |
| | File: | S17454_002_F003_ | _Approx_Assess_L | ocs |
| Notes: Aerial imagery sourced from Nearmap Pty Ltd | | 0 5 10 2 Datum GDA 1994, P | 30 40 Met rojection MGA Zone 56 | |

Figure No: 3

Client:

Approximate Proposed Assessment Locations Title:

Project: Preliminary Site Investigation 14-30 Lee St, Haymarket, NSW Location:

Arup



Appendix A: Desktop Searches





ENVIRO-SCREEN

Property Details

Henry Deane Plaza, Ultimo NSW

Search Date: 03 July 2019

Understanding your Report

Your Report has been produced by Land Insight and Resources (LI Resources).

Your Report is based on information available from public databases and sources at the date of reporting. The information gathered relates to land that is within a **200 to 2000 m radius** (buffer zone) from the boundaries of the Property. A smaller or larger radius may be applied for certain records (as listed under records and as shown in report maps).

While every effort is made to ensure the details in your Report are correct, LI Resources cannot guarantee the accuracy or completeness of the information or data provided.

The report provided by LI Resources includes data listed on page 3 (table of contents). All sources of data and definitions are provided on the report maps and as listed in the Product Guide (Attached). For a full list of references, metadata, publications or additional information not provided in this report, please contact LI Resources at info@liresources.com.au.

The report does not include title searches; dangerous good searches or; property certificates (unless requested); or information derived from a physical inspection, such as hazardous building materials, areas of infilling or dumping/spilling of potentially contaminated materials. It is important to note that these documents and an inspection can contain information relevant to contamination that may not be identified by this Report.

This Report, and your use of it, is regulated by LI Resources Terms and Conditions (See LIR Product Guide).

Land Insight and Resources

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ATTACHMENTS Attachment A - Report Maps Attachment B - Historical Imagery LIR Product Guide and Terms and Conditions



Section 1 - Property Setting

1.1 SITE LOCATION MAP AND SENSITIVE RECEPTORS

Map 1 (500m Buffer)

| Sensitive receptor | Category | Distance (m)* | Direction |
|--|--------------------|---------------|------------|
| Oxford College Sydney | High School | 77.1 | north-west |
| Curtin University Sydney | University | 84.6 | south-west |
| Ultimo TAFE College | TAFE College | 110.1 | north-west |
| Lutheran Church | Place of Worship | 134.3 | north-west |
| Anglican Church | Place of Worship | 139.6 | north-west |
| Sydney City Youth Hostel Association | Community Facility | 190.3 | north-west |
| Mortuary Station | Historic Site | 197.7 | south-west |
| University Of Technology City Campus-Ultimo | University | 234 | south-west |
| Tennis Courts | Sports Court | 258.9 | south-east |
| University Of Sydney Surry Hills Campus | University | 288.8 | north-east |
| Sydney Dental Hospital | General Hospital | 295.7 | north-east |
| Jensen's Tennis Centre | Club | 308.8 | south-east |
| Prince Alfred Park Pool | Swimming Pool | 309.1 | south-east |
| Prince Alfred Park | Park | 319.9 | south-east |
| Gaelic Club | Club | 323.7 | south-east |
| Belmore Park | Park | 343.7 | north-east |
| Chippendale Green | Park | 351 | south-west |
| Presbyterian Church | Place of Worship | 364.7 | south-east |
| Haymarket Library | Library | 366.7 | north-west |
| Orthodox Church | Place of Worship | 374.8 | south-east |
| St Andrews Greek Orthodox Theological College | Education Facility | 389.6 | south-east |
| Australian Institute Of Music | High School | 394.9 | north-east |
| University Of Technology City Campus-Haymarket | University | 395.6 | north-west |
| Ultimo TAFE College | TAFE College | 406.7 | north-west |
| Ultimo TAFE College | TAFE College | 426.1 | north-west |
| Kids Club Child Care Elizabeth Street | Child Care Centre | 431.7 | north-east |
| Cleveland Street Intensive English High School | High School | 449 | south-east |
| Park | Park | 464.8 | south-west |
| SDN Ultimo Children's Education and Care Centre | Child Care Centre | 475.1 | north-west |
| Baptist Church | Place of Worship | 484.6 | south-east |
| Catholic Church | Place of Worship | 493.8 | south-west |
| Quaker Meeting Room | Place of Worship | 498.7 | south-east |
| University Of Technology City Campus-Blackfriars | Child Care Centre | 499.1 | south-west |

^{*}Distance from the sensitive receptor point feature to the site boundary centroid.

1.2 PLANNING CONTROLS Map 2 (onsite)

| Zoning | В8 | Metropolitan Centre |
|--------|----|---------------------|
|--------|----|---------------------|



Environmental Planning Instruments

| Туре | Local Environmental Plan | Classification |
|------------------|---|--|
| Local Provisions | Sydney Local Environmental Plan 2012 | Locality and Site Identification Land Use and Transport Integration Accessibility Level J (Special Character Areas) |

1.3 SOIL LANDSCAPE Map 3a (onsite)

| Soil Landscape | REbt | BLACKTOWN | Soil Group | RESIDUAL |
|----------------|---|--|---|---|
| Description | Local relief to inclined slop Soils- shallo Dr3.11, Db2 Yellow Podz drainage. | gently undulating rises on Wianar to 30 m, slopes are usually <5%. bes. Cleared eucalypt woodland and to moderately deep (<100 cm) 2.11) on crests, upper slopes and violic Soils and Soloths (Dy2.11, Dy-moderately reactive highly plastic | Broad rounded crouded tall open-forest Red and Brown Feell-drained areas (3.11) on lower sl | ests and ridges with gently (wet sclerophyll forests). Podzolic Soils (Dr3.21, s; deep (150-300 cm) opes and in areas of poor |

1.4 ACID SULFATE SOIL Map 3a (onsite)

| | On the Property? | Within Record Search Buffer? |
|--|------------------|------------------------------|
| Acid Sulfate Soil Risk Maps (ASS) (Table 1.5.1) | Class 5 | Class 2 and Class 5 |

1.5 ATLAS OF AUSTRALIAN ACID SULFATE SOIL AND SALINITY

Map 3b (onsite)

| ASRIS Atlas of Australian Sulfate Soils (Table 1.5.2) | Bn(p4) | ASS in inland lakes, waterways, wetlands and riparian zones | Probability of Occurrence | Low Probability of occurrence |
|--|--------|---|------------------------------|-------------------------------|
| Hydrologic Soil Group (Table 1.5.3) | | | C – slow rate | |
| Salinity Hazard | | | Not identified | |

Table 1.5.1. Classification scheme in the ASS Planning Maps

| | Class of Land as shown on ASS Planning Maps | | | | |
|---|---|--|--|--|--|
| 1 | Any works | | | | |
| 2 | Works below natural ground surface Works by which the watertable is likely to be lowered | | | | |
| 3 | Works beyond 1m below natural ground surface Works by which the watertable is likely to be lowered beyond 1m below natural ground surface | | | | |
| 4 | Works beyond 2m below natural ground surface Works by which the watertable is likely to be lowered beyond 2m below natural ground surface | | | | |
| 5 | Works within 500m of adjacent Class 1, 2, 3, or 4 land which are likely to lower the watertable below 1m AHD on adjacent Class 1, 2, 3 or 4 land. | | | | |

For each class of land, the maps identify the type of works likely to present an environmental risk if undertaken in the particular class of land. If these types of works are proposed, further investigation is required to determine if ASS are actually present and whether they are present in such concentrations as to pose a risk to the environment.



Table 1.5.2. Australian Atlas of Acid Sulfate Soils¹ (ASS) map (CSIRO/NatCASS)

| Code | Distinguishing soil/sediment properties, vegetation, landforms, or other characteristics |
|------------------|---|
| | Probability of Occurrence of ASS ¹ |
| Α | High Probability of occurrence - (>70% chance of occurrence in mapping unit) |
| В | Low Probability of occurrence - (6-70% chance of occurrence in mapping unit) |
| С | Extremely low probability of occurrence - (1-5% chance of occurrence in mapping unit) |
| D | No probability of occurrence - (<1% chance of occurrence in mapping unit) |
| х | Disturbed ASS¹ terrain - (ASS¹ material present below urban development). |
| u | Unclassified - (Insufficient information to classify map unit) |
| | Zones |
| a | Potential acid sulfate soil material and/or Monosulfidic Black Ooze (MBO). |
| b, c | Potential acid sulfate soil generally within upper 1 m. |
| c, d, e | ASS¹ generally within upper 1 m. |
| f | ASS¹ generally below 1 m from the surface |
| g | ASS ¹ , generally below 3 m from the surface. |
| h | ASS¹ generally within 1 m of the surface. |
| i, j | ASS¹ generally below 1 m of the surface. |
| k | ASS¹ material and/or Monosulfidic Black Ooze (MBO). |
| l, m, n, o, p, q | ASS ¹ generally within upper 1 m in wet / riparian areas. |
| | Subscripts to codes |
| (a) | Actual acid sulfate soil (AASS) = sulfuric material. |
| (p) | Potential acid sulfate soil (PASS) = sulfidic material. |
| (q) | Monosulfidic Black Ooze (MBO) is organic ooze enriched by iron monosulfides. |
| | Confidence levels |
| (1) | All necessary analytical and morphological data are available |
| (2) | Analytical data are incomplete but are sufficient to classify the soil with a reasonable degree of confidence |
| (3) | No necessary analytical data are available, but confidence is fair, based on a knowledge of similar soils in similar environments |
| (4) | No necessary analytical data are available, and classifier has little knowledge or experience with ASS, hence classification is provisional |

¹Acid Sulfate Soils (ASS) are all those soils in which sulfuric acid may be produced, is being produced, or has been produced in amounts that have a lasting effect on main soil characteristics (Pons 1973). Acid sulfate soil (ASS) may include PASS or AASS + PASS. Potential acid sulfate soil (PASS) = sulfidic material. Actual acid sulfate soil (AASS) = sulfuric material.

Table 1.5.3. Hydrologic Soil Group

| Code | Soil Group Characteristics |
|------|---|
| А | Soils having high infiltration rates, even when thoroughly wetted and consisting chiefly of deep, well to excessively-drained sands or gravels. These soils have a high rate of water transmission. |
| В | Soils having moderate infiltration rates when thoroughly wetted and consisting chiefly of moderately deep to deep, moderately fine to moderately coarse textures. These soils have a moderate rate of water transmission. |
| С | Soils having slow infiltration rates when thoroughly wetted and consisting chiefly of soils with a layer that impedes downward movement of water, or soils with moderately fine to fine texture. These soils have a slow rate of water transmission. |
| D | Soils having very slow infiltration rates when thoroughly wetted and consisting chiefly of clay soils with a high swelling potential, soils with a permanent high water table, soils with a claypan or clay layer at or near the surface, and shallow soils over nearly impervious material. These soils have a very slow rate of water transmission. |



Map 4 (onsite)

Geology

| Map Sheet | Symbol | Formation | Group | Era | Period | Description |
|------------------------------------|--------|----------------|---------------------|----------|----------|---------------------------------------|
| Sydney 1:100,000 Geological Map | Rwa | Ashfield Shale | Wianamatta Group | Mesozoic | Triassic | Black to dark grey shale and laminite |

Topography

| Topography | 14-20mAHD |
|------------|-----------|
| | |

1.7 HYDROGEOLOGY AND GROUNDWATER BORES

Map 5a (500m - 2000m Buffer)

| | On the Property? | Within Record Search Buffer? |
|-------------------------------------|--|--|
| Aquifer Type | Porous, extensive highly productive aquifers | Porous, extensive highly productive aquifers |
| Drinking Water Catchments | Not identified | Not identified |
| Protected Riparian Corridor | Not identified | Not identified |
| UPSS Environmentally sensitive zone | Southern NSW area UPSS | Southern NSW area UPSS |
| Wetlands | Not identified | Not identified |
| Groundwater Bores | Not identified | Yes, see 1.7.1 |

Table 1.7.1. Groundwater Bore Details

| Groundwater Bore ID | Authorised Purpose | Completion Date | Drilled Depth (m) | Final Depth (m) | SWL ¹ (m) | Salinity ¹ | Yield¹ (L/s) | Distance (m) | Direction |
|------------------------|-----------------------|--------------------|-------------------------|--------------------|-------------------------|-----------------------|-----------------|-----------------|------------|
| GW113879 | Monitoring | 25-Jul-03 | 5.3 | 5.3 | - | - | - | 201.75 | south-west |
| GW113860 | Monitoring | 16-Sep-03 | 6.5 | 6.5 | - | - | - | 217.90 | south-west |
| GW113855 | Monitoring | 22-Jul-03 | 5 | 5 | - | - | - | 223.46 | south-west |
| GW113856 | Monitoring | 23-Jul-03 | 6.2 | 6.2 | - | - | - | 224.91 | south-west |
| GW113873 | Monitoring | 26-Jul-03 | 6 | 6 | - | - | - | 226.34 | south-west |
| GW113874 | Monitoring | 19-Sep-03 | 7 | 7 | - | - | - | 226.97 | south-west |
| GW109500 | Monitoring | 01-Mar-07 | 4.8 | 4.8 | 2.3 | - | - | 229.55 | south-west |
| GW113875 | Monitoring | 30-Jul-03 | 7.5 | 7.5 | - | - | - | 229.68 | south-west |



| Groundwater Bore ID | Authorised Purpose | Completion Date | Drilled Depth (m) | Final Depth (m) | SWL ¹ (m) | Salinity ¹ | Yield¹ (L/s) | Distance (m) | Direction |
|------------------------|-----------------------|--------------------|-------------------------|--------------------|-------------------------|-----------------------|-----------------|-----------------|------------|
| GW113884 | Monitoring | 20-Aug-04 | 6.8 | 6.8 | - | - | - | 229.68 | south-west |
| GW113893 | Monitoring | 11-0ct-05 | 8.5 | 8.5 | - | - | - | 229.74 | south-west |
| GW113883 | Monitoring | 20-Aug-04 | 6.1 | 6.1 | - | - | - | 229.76 | south-west |
| GW113857 | Monitoring | 23-Jul-03 | 6 | 6 | - | - | - | 231.45 | south-west |
| GW113892 | Monitoring | 09-0ct-05 | 7 | 7 | - | - | - | 231.85 | south-west |
| GW113858 | Monitoring | 19-Sep-03 | 6.3 | 6.3 | - | - | - | 231.93 | south-west |
| GW113885 | Monitoring | 20-Aug-04 | 7 | 7 | - | - | - | 233.30 | south-west |
| GW113891 | Monitoring | 09-0ct-05 | 6.8 | 6.8 | - | - | - | 233.98 | south-west |
| GW113889 | Monitoring | 05-0ct-04 | 6.7 | 6.7 | - | - | - | 234.50 | south-west |
| GW113890 | Monitoring | 09-0ct-05 | 6 | 6 | - | - | - | 236.89 | south-west |
| GW113888 | Monitoring | 05-0ct-04 | 5.5 | 5.5 | - | - | - | 237.90 | south-west |
| GW113882 | Monitoring | 20-Aug-04 | 6.1 | 6.1 | - | - | - | 239.82 | south-west |
| GW113881 | Monitoring | 20-Aug-04 | 6.1 | 6.1 | - | - | - | 242.18 | south-west |
| GW113887 | Monitoring | 05-0ct-04 | 5.7 | 5.7 | - | - | - | 242.85 | south-west |
| GW113859 | Monitoring | 15-Sep-03 | 6.1 | 6.1 | - | - | - | 244.26 | south-west |
| GW113886 | Monitoring | 01-0ct-04 | 5.8 | 5.8 | - | - | - | 244.62 | south-west |
| GW113878 | Monitoring | 07-Nov-03 | 7 | 7 | - | - | - | 278.53 | south-west |
| GW113877 | Monitoring | 28-Jul-03 | 5.5 | 5.5 | - | - | - | 285.32 | south-west |
| GW113876 | Monitoring | 25-Jul-03 | 7.8 | 7.8 | - | - | - | 292.71 | south-west |
| GW113872 | Monitoring | 16-Sep-03 | 8 | 8 | - | - | - | 298.00 | south-west |
| GW113871 | Monitoring | 08-Nov-03 | 6 | 6 | - | - | - | 308.20 | south-west |
| GW113870 | Monitoring | 07-Nov-03 | 4.8 | 4.8 | - | - | - | 309.56 | south-west |
| GW113869 | Monitoring | 29-Jul-03 | 6 | 6 | - | - | - | 311.01 | south-west |



| Groundwater Bore ID | Authorised Purpose | Completion Date | Drilled Depth (m) | Final Depth (m) | SWL ¹ (m) | Salinity ¹ | Yield¹ (L/s) | Distance (m) | Direction |
|------------------------|-----------------------|--------------------|-------------------------|--------------------|-------------------------|-----------------------|-----------------|-----------------|------------|
| GW113868 | Monitoring | 18-Feb-14 | 3.7 | 3.7 | - | - | - | 312.44 | south-west |
| GW113867 | Monitoring | 22-Jul-03 | 3.5 | 3.5 | - | - | - | 314.38 | south-west |
| GW113866 | Monitoring | 18-Feb-03 | 3 | 3 | - | - | - | 315.86 | south-west |
| GW113865 | Monitoring | 21-Jul-03 | 6.5 | 6.5 | - | - | - | 316.51 | south-west |
| GW113864 | Monitoring | 22-Jul-03 | 4.5 | 4.5 | - | - | - | 318.03 | south-west |
| GW113863 | Monitoring | 16-Sep-03 | 4.6 | 4.6 | - | - | - | 320.11 | south-west |
| GW113861 | Monitoring | 30-Jul-03 | 6.5 | 6.5 | - | - | - | 320.35 | south-west |
| GW113862 | Monitoring | 28-Jul-03 | 3.8 | 3.8 | - | - | - | 321.37 | south-west |
| GW113880 | Monitoring | 20-Aug-04 | 5 | 5 | - | - | - | 325.58 | south-west |
| GW109503 | Monitoring | 01-Mar-07 | 5.2 | 5.2 | 2.24 | - | - | 392.00 | south-west |
| GW109501 | Monitoring | 01-Mar-07 | 6 | 6 | 2.3 | - | - | 394.51 | south-west |
| GW109502 | Monitoring | 01-Mar-07 | 6.4 | 6.4 | 2.18 | - | - | 399.70 | south-west |

¹The most recent data available from NSW Department of Industry – Lands & Water Division.

Table 1.7.2. Groundwater Bore Driller Lithology Details

| Groundwater Bore ID | From Depth (m) | To Depth (m) | Lithology | Description | Distance (m) | Direction |
|------------------------|----------------------|-----------------|-----------|-------------|-----------------|-----------|
| Not identified | - | - | - | - | - | - |

1.8 HYDROGEOLOGY AND OTHER BOREHOLES

Map 5b (2000m Buffer)

| | On the Property? | Within Record Search Buffer? |
|---|---|--|
| Groundwater Vulnerability | Not identified | Not identified |
| Groundwater Exclusion Zones (Botany GMZ ¹) | Not identified | Botany Groundwater Management Zone 2 |
| Hydrogeologic Unit | Late Permian/Triassic sediments (porous media - consolidated) | Late Permian/Triassic sediments (porous media - consolidated) Surficial Sediment Aquifer (porous media - unconsolidated) |
| Other known borehole investigations (500m buffer) | Not identified | Yes, see 1.8.1 |

^{1 -} Botany Groundwater Management Zones (BGMZ): Zone 1 – the use of groundwater remains banned; Zones 2 to 4 – domestic groundwater use is banned, especially for drinking water, watering gardens, washing windows and cars, bathing, or to fill swimming pools



Groundwater Dependent Ecosystems

| Name | On the Property? | Within Record Search Buffer? |
|---|------------------|------------------------------|
| Ecosystems that rely on the Surface expression of Groundwater | Not identified | Not identified |
| Ecosystems that rely on Subsurface presence of Groundwater | Not identified | Not identified |

Table 1.8.1. Other known borehole investigations (Coal Seam Gas (CSG), Petroleum Wells and Other Boreholes) (500m buffer)

| Borehole ID | Group | Purpose | Project | Client/License | Date Drilled | Depth (m) | Distance (m) | Direction |
|-----------------------|-------|----------|--|---------------------------------------|-----------------|--------------|-----------------|----------------|
| NWRL_R215 | 1 | Borehole | NWRL_R215 Henry Dean Park Project Stage 1 Sydney | Baulderstone Hornibrook Pty Ltd | 01-Feb- 99 | 0 | 0 | onsite |
| ST02 | 6 | Borehole | Sydney Yard Overhead Wiring Modernisation | TfNSW | 01-Jun- 15 | 0 | 42.6 | south- east |
| TA136_BH27 1 | 9 | Borehole | NWRL_R219 Sydney Metro Line 1 CBD | CBD Metro | 08-Jan- 09 | 35.06 | 56.4 | north |
| TA136_BH27 3 | 2 | Borehole | Metro - Preliminary Investigation | CBD Metro | 18-Dec- 08 | 34.97 | 75.9 | west |
| BH01 | 6 | Borehole | Sydney Yard Overhead Wiring | Sydney Trains | 01-Aug- 15 | 7.94 | 84.8 | east |
| BH02 | 6 | Borehole | Modernisation | Sydney Trains | 01-Aug- 15 | 6 | 97.8 | south- east |
| TA136_BH27 2 | 9 | Borehole | NWRL_R219 Sydney Metro Line 1_ CBD Metro - Preliminary Investigation | CBD Metro | 14-Jan- 09 | 35.23 | 157.8 | north |
| R284_BHG1 | 2 | Borehole | NWRL_R284_16-18 Broadway Chippendale | Environmental Investigations | 06-0ct- 11 | 10.7 | 162.4 | west |
| BH5099(2)-1 | 5 | Borehole | NWRL_R310 Central_Station Platform 16- 17 Olympic Upgrades | Rail Services Australia | 06-Aug- 98 | 9.89 | 164.9 | north- east |
| NWRL_R090 | 7 | Borehole | NWRL_R090_Kensington St Sewer Seperation | Water Board | 01-0ct- 93 | 0 | 170.8 | south- east |
| NWRL_R310 | 5 | Borehole | NWRL_R310 Central_Station Platform 16-17 Olympic Upgrades | Rail Services Australia | 25-Aug- 98 | 0 | 173.8 | north- east |
| BH03 | 7 | Borehole | Sydney Yard Overhead Wiring Modernisation | Sydney Trains | 02-Aug- 15 | 9 | 180.5 | south- east |
| BH5099(2)-2 | 5 | Borehole | NWRL_R310 Central_Station Platform 16-17 Olympic Upgrades | Rail Services Australia | 05-Aug- 98 | 10.35 | 187.5 | north- east |
| BH5099(2)-3 | 5 | Borehole | NWRL_R310 Central_Station Platform 16-17 Olympic | Rail Services | 04-Aug- 98 | 0.8 | 188 | north- east |
| BH5099(2)-4 | 5 | Borehole | Upgrades | Australia | 04-Aug- 98 | 0.65 | 202.2 | north- east |
| WESTMETRO _WM1/BH1 | 2 | Borehole | West Metro | Sydney Metro | <null></null> | 42.3 | 220.2 | west |
| 4784-BH1 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 13-May- 97 | 8.6 | 267.6 | north- east |
| L-063-2A | 5 | Borehole | NWRL_R219 Sydney Metro line 1 Arup | North West | <null></null> | 7.09 | 278.6 | north- east |
| L-063-13A | 5 | Borehole | NorthWest Metro | Metro Team | <null></null> | 6.71 | 287.2 | north- east |

| Borehole ID | Group | Purpose | Project | Client/License | Date Drilled | Depth (m) | Distance (m) | Direction |
|-------------|-------|----------|---|----------------------------------|-----------------|--------------|-----------------|----------------|
| L-063-110A | 5 | Borehole | | | <null></null> | 7.47 | 296.4 | north- east |
| L-063-12A | 5 | Borehole | | | <null></null> | 6.63 | 299.1 | north- east |
| 4784-BH2 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 29-Apr- 97 | 18.51 | 303.1 | north- east |
| EA-BH14 | 4 | Borehole | CBD Metro | TfNSW | 01-Dec- 04 | 38.8 | 308.7 | north |
| 4784-BH8 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 30-Apr- 97 | 12.69 | 309.6 | north- east |
| L-063-3A | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 6.02 | 316.5 | north- east |
| 4784-BH3 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 30-Apr- 97 | 19.58 | 318.8 | north- east |
| BH1 | 4 | Borehole | CBD Metro | TfNSW | 13-Jun- 00 | 12.1 | 320.5 | north |
| BH2 | 4 | Borehole | CBD Metro | TfNSW | 14-Jun- 00 | 10 | 320.5 | north |
| ВН3 | 4 | Borehole | CBD Metro | TfNSW | 15-Jun- 00 | 10 | 320.5 | north |
| BH4 | 4 | Borehole | CBD Metro | TfNSW | 15-Jun- 00 | 0 | 320.5 | north |
| ВН5 | 4 | Borehole | CBD Metro | TfNSW | 16-Jun- 00 | 0 | 320.5 | north |
| BH5B | 4 | Borehole | CBD Metro | TfNSW | 06-Jul-00 | 30 | 320.5 | north |
| BH1 | 4 | Borehole | CBD Metro | TfNSW | 17-Dec- 99 | 3 | 320.5 | north |
| BH2 | 4 | Borehole | CBD Metro | TfNSW | 17-Dec- 99 | 3 | 320.5 | north |
| ВН3 | 4 | Borehole | CBD Metro | TfNSW | 17-Dec- 99 | 3 | 320.5 | north |
| BH4 | 4 | Borehole | CBD Metro | TfNSW | 17-Dec- 99 | 2 | 320.5 | north |
| BH5 | 4 | Borehole | CBD Metro | TfNSW | 17-Dec- 99 | 3 | 320.5 | north |
| ВН6 | 4 | Borehole | CBD Metro | TfNSW | 17-Dec- 99 | 3 | 320.5 | north |
| ВН7 | 4 | Borehole | CBD Metro | TfNSW | 17-Dec- 99 | 3.4 | 320.5 | north |
| BH1 | 4 | Borehole | CBD Metro | TfNSW | 08-Jan- 01 | 44.3 | 320.5 | north |
| BH2 | 4 | Borehole | CBD Metro | TfNSW | 12-Feb- 01 | 23.6 | 320.5 | north |
| BH2A | 4 | Borehole | CBD Metro | TfNSW | 19-Mar- 01 | 43.28 | 320.5 | north |
| L-063-23 | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 5.18 | 325.6 | north- east |
| EA-BH10 | 4 | Borehole | CBD Metro | TfNSW | 21-Dec- 04 | 42 | 329 | north |
| ES110 | 5 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-Oct- 67 | 0 | 331.5 | north- east |
| L-063-ES110 | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 20.04 | 331.5 | north- east |



| Borehole ID | Group | Purpose | Project | Client/License | Date Drilled | Depth (m) | Distance (m) | Direction |
|-------------------|-------|----------|--|----------------------------------|-----------------|--------------|-----------------|----------------|
| TA136_BH28 0 | 5 | Borehole | NWRL_R219 Sydney Metro Line 1_ CBD Metro - Preliminary Investigation | CBD Metro | 16-Jan- 09 | 20.25 | 332.2 | north- east |
| 4784-BH9 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 24-Apr- 97 | 11.2 | 335.8 | north- east |
| R392_AH001 -I2 | 8 | Borehole | NWRL_R392_CBD_SouthEas tLightRail | TfNSW | 06-Dec- 13 | 3 | 352.8 | south- east |
| 4784-BH10 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 29-Apr- 97 | 11.8 | 360.9 | north- east |
| L-063-B3A | 5 | Borehole | NWRL_R219 Sydney Metro line 1 Arup | North West | <null></null> | 0.99 | 363.5 | north- east |
| L-063-115A | 5 | Borehole | NorthWest Metro | Metro Team | <null></null> | 12.77 | 363.9 | north- east |
| 4784-BH4 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 06-May- 97 | 17.6 | 364.1 | north- east |
| ES109 | 5 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-0ct- 67 | 0 | 366.2 | north- east |
| L-063-ES109 | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 18.44 | 366.2 | north- east |
| ES165 | 5 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-0ct- 67 | 0 | 372.1 | north- east |
| L-063-ES165 | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 21.34 | 372.1 | north- east |
| BHD2A | 4 | Borehole | CBD Metro | TfNSW | 19-Mar- 01 | 43.28 | 378 | north |
| ES107 | 5 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-0ct- 67 | 0 | 384.8 | north- east |
| L-063-ES107 | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 18.72 | 384.8 | north- east |
| NWRL_R238 | 3 | Borehole | NWRL_R238 Proposed New Broadway Building and the Metro West Rail Tunnels | UTS Sydney | 23-Nov- 10 | 0 | 384.9 | west |
| L-063-B1A | 5 | Borehole | NWRL R219_Sydney_Metro_line_1 _Arup_NorthWest Metro | North West Metro Team | <null></null> | 9.7 | 388.8 | north- east |
| ES162 | 5 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-Oct- 67 | 0 | 391.5 | north- east |
| L-063-ES162 | 5 | Borehole | NWRL R219_Sydney_Metro_line_1 _Arup_NorthWest Metro | North West Metro Team | <null></null> | 21.59 | 391.5 | north- east |
| BH5 | 4 | Borehole | CBD Metro | TfNSW | 08-Dec- 94 | 18.12 | 392.2 | north |
| ВН8 | 4 | Borehole | CBD Metro | TfNSW | 06-Dec- 94 | 18.12 | 392.2 | north |
| вн9 | 4 | Borehole | CBD Metro | TfNSW | 09-May- 01 | 19.55 | 392.2 | north |
| BH10 | 4 | Borehole | CBD Metro | TfNSW | 07-Dec- 94 | 10.8 | 392.2 | north |



| Borehole ID | Group | Purpose | Project | Client/License | Date Drilled | Depth (m) | Distance (m) | Direction |
|-----------------------|-------|----------|--|----------------------------------|-----------------|--------------|-----------------|----------------|
| ES164 | 5 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-0ct- 67 | 0 | 392.2 | north- east |
| L-063-ES164 | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 22.56 | 392.2 | north- east |
| ES163 | 5 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-0ct- 67 | 0 | 392.8 | north- east |
| L-063-ES163 | 5 | Borehole | | | <null></null> | 21.34 | 392.8 | north- east |
| L-063-116A | 5 | Borehole | NWRL_R219 Sydney Metro line 1 Arup | North West | <null></null> | 5.79 | 395.1 | north- east |
| L-063-B1B | 5 | Borehole | NorthWest Metro | Metro Team | <null></null> | 2.51 | 396 | north- east |
| L-063-ES108 | 5 | Borehole | | | <null></null> | 6.93 | 397 | north- east |
| ES108 | 5 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-Oct- 67 | 0 | 397 | north- east |
| WESTMETRO _WM1/BH2 | 3 | Borehole | West Metro | Sydney Metro | <null></null> | 40.48 | 401.2 | west |
| L-063-117A | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 8.23 | 401.8 | north- east |
| 4784-BH11 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 23-Apr- 97 | 11.1 | 402.7 | north- east |
| L-063-SE65 | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 11 | 405 | north- east |
| 4784-BH5 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 07-May- 97 | 11.94 | 406.4 | north- east |
| L-063-16A | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 5.49 | 418.5 | north- east |
| EA-BH15 | 4 | Borehole | CBD Metro | TfNSW | 07-Dec- 04 | 37.53 | 420.2 | north- west |
| L-063-25 | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 10.67 | 424.3 | north- east |
| 4784-BH12 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 24-Apr- 97 | 9.4 | 430.7 | north- east |
| ES106 | 4 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-0ct- 67 | 0 | 434.1 | north |
| L-063-ES106 | 4 | Borehole | NWRL_R219 | North West | <null></null> | 21.79 | 434.1 | north |
| L-063-SE66 | 5 | Borehole | Sydney_Metro_line_1_Arup_ NorthWest Metro | Metro Team | <null></null> | 16.16 | 434.9 | north- east |
| TA136_BH28 1 | 5 | Borehole | NWRL_R219 Sydney Metro Line 1_ CBD Metro - Preliminary Investigation | CBD Metro | 22-Jan- 09 | 20.13 | 439.7 | north- east |
| ES161 | 4 | Borehole | NWRL_R063_Eastern Suburbs Railway | Department of Railways NSW | 17-Oct- 67 | 0 | 448.3 | north |
| L-063-ES161 | 4 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 39.65 | 448.3 | north |



| Borehole ID | Group | Purpose | Project | Client/License | Date Drilled | Depth (m) | Distance (m) | Direction |
|-----------------------|-------|----------|---|--------------------------|-----------------|--------------|--------------|----------------|
| 4784-BH6 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 29-Apr- 97 | 11.55 | 451.4 | north- east |
| R336_BHC2 | 3 | Borehole | NWRL_R336_Wet Weather Overflow Reduction Program | Agility | 23-Jun- 06 | 4 | 462.8 | west |
| L-063-19A | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 9.45 | 465.7 | north- east |
| 4784-BH13 | 5 | Borehole | NWLR_R306_Central to Goulburn St | Sydney Trains | 06-May- 97 | 6.5 | 470.6 | north- east |
| L-063-20A | 5 | Borehole | NWRL_R219 Sydney_Metro_line_1_Arup_ NorthWest Metro | North West Metro Team | <null></null> | 6.63 | 481.5 | north- east |
| R336_BHC4 | 3 | Borehole | | | 22-Jun- 06 | 7 | 486.6 | west |
| R336_BHC3a | 3 | Borehole | NWRL_R336_Wet Weather Overflow Reduction Program | Agility | 23-Jun- 06 | 1.15 | 487 | west |
| R336_BHC3b | 3 | Borehole | | | 23-Jun- 06 | 6.4 | 488.8 | west |
| WESTMETRO _WM1/BH3 | 3 | Borehole | West Metro | Sydney Metro | 10-Jul-09 | 35 | 510.8 | west |



Section 2 Environmental Records Summary – Contamination and Potentially Contaminating Activities

2.1 PFAS INVESTIGATION PROGRAM

Map 5b (2000m Buffer)

| Site | Address | Distance (m) | Direction |
|----------------|---------|-----------------|-----------|
| Not identified | - | - | - |

2.2 CONTAMINATED LAND RECORD OF NOTICES ISSUED UNDER THE CLM ACT 1997

Map 6 (1000m Buffer)

| Site Name ² | Site ID | Address ¹ | Notices | Distance (m) | Direction |
|------------------------|---------|----------------------|---------|-----------------|-----------|
| Not identified | - | - | - | - | - |

^{1.} Some addresses do not contain specific street numbers. Records identified as being in the surrounding area have been added for information.

2.3 SITES NOTIFIED AS CONTAMINATED TO THE NSW EPA

Map 6 (1000m Buffer)

| Site Name ² | Address ¹ | Activity that caused Contamination | EPA Site Management Class ³ | Distance (m) | Direction |
|---|---|------------------------------------|---|-----------------|----------------|
| Frasers Development | Wellington STREET CHIPPENDALE | Chemical Industry | Under assessment | 180 | South- west |
| Ausgrid Road Reserve | Mary STREET, SURRY HILLS | Other Industry | Regulation under CLM Act not required | 487 | North- east |
| Former Legion Cabs (Trading) Cooperative | 81 & 81A (Formerly 69 - 81) Foveaux STREET, SURRY HILLS | Service Station | Regulation under CLM Act not required | 552 | east |
| Shell Coles Express Service Station | 387-429 Wattle STREET, ULTIMO | Service Station | Regulation under CLM Act not required | 705 | North- west |
| BP Service Station | 116 Regent STREET, REDFERN | Service Station | Regulation under CLM Act not required | 989 | South- west |

^{1.} Some addresses do not contain specific street numbers. Records identified as being in the surrounding area have been added for information.

Table 2.3.1. EPA Site Management Class Explanation

| EPA Site Management Class | | | | | | |
|--|--|--|--|--|--|--|
| 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. | | | | | |
| 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. | | | | | |
| 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. | | | | | |



^{2.} Former NSW EPA sites. These sites have been removed from the Record of Notices and/or the Sites Notified lists and are kept here for information purposes only.

^{2.} Former NSW EPA sites. These sites have been removed from the Record of Notices and/or the Sites Notified lists and are kept here for information purposes only.

^{3.} The EPA maintains a record of sites that have been notified to the EPA by owners or occupiers as contaminated land. The sites notified to the EPA and recorded on the register are at various stages of the assessment and/or remediation process. Table 5 outlines the possible management status that can be attributed to a registered contaminated site.

| | EPA Site Management Class |
|--|---|
| Contamination currently regulated under the 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. |
| Contamination currently regulated under the 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 being managed via the planning process (EP&A Act) | The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment. |
| Contamination 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 by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A 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. |

2.4 OTHER CONTAMINATION ISSUES

Map 6 (1000m Buffer)

Defence Sites (current and former)

| Site name | Defence code | Description | RCIP* | Distance (m) | Direction |
|---|--------------|---------------------------------|-------|--------------|----------------|
| Sydney; defence site Sydney Remington centre (L) | JODEER2-1 | 175 Liverpool Street, Sydney | - | 854 | North- east |

^{*}RCIP (Regional Contamination Investigation Program)

James Hardie Asbestos Waste Contamination Legacy

| Site | Location | Туре | Distance (m) | Direction |
|----------------|----------|------|-----------------|-----------|
| Not identified | - | - | - | - |

Former Uranium Processing Site at Hunters Hill (NSW)

| Site | Location | Distance (m) | Direction |
|----------------|----------|-----------------|-----------|
| Not identified | - | 1 | • |



Former Gasworks Sites

| Site | Location | Distance (m) | Direction |
|---------------------|--|-----------------|------------|
| Haymarket Gasholder | Cnr Barlow and Pitt Streets, Haymarket | 420 | North-east |

2.5 POTENTIALLY CONTAMINATING ACTIVITIES

Map 7a (500m Buffer)

Aviation Fuel Depots/Terminals

| Site name | Description | Status | Distance (m) | Direction |
|----------------|-------------|--------|-----------------|-----------|
| Not identified | - | - | | |

Aviation Rescue Fire Fighting Facilities (ARFF)

| Site name | Class | Status | Distance (m) | Direction |
|----------------|-------|--------|-----------------|-----------|
| Not identified | - | - | - | - |

Derelict Mines and Quarries

| Deposit Name | Method | Description | Status | Distance (m) | Direction |
|--------------|--------|---|--------|-----------------|----------------|
| Yellow Block | quarry | Little sign of quarrying in Ultimo Rd; Exact location unknown | ceased | - | North- west |

Dry Cleaners

| Site name | Location | Status | Distance (m) | Direction |
|----------------------------------|--|-------------|-----------------|----------------|
| CP Alterations & Dry Cleaning | 5 Carlton St, Chippendale NSW 2008 | Unknown | 110 | west |
| Dropwash | 403 Elizabeth St, Surry Hills NSW 2010 | Operational | 340 | east |
| A&C Laundry & Drycleaning | 29A Albion St, Surry Hills NSW 2010 | Operational | 479 | North- east |
| Sydney City Laundry Services | 234 Elizabeth St, Surry Hills NSW 2010 | Operational | 487 | North- east |

Landfills (Legacy)

| Site name | Description | Distance (m) | Direction |
|----------------|-------------|-----------------|-----------|
| Not identified | - - | - | |

Note: This is not an exhaustive list of all legacy landfills.



Liquid Fuel Depots/Terminals

| Site name | Owner | Location | Status | Distance (m) | Direction |
|----------------|-------|----------|--------|-----------------|-----------|
| Not identified | - | - | - | - | - |

Power Stations

| Site name | Owner | Primary Fuel Type | Status | Distance (m) | Direction |
|----------------|-------|-------------------|--------|-----------------|-----------|
| Not identified | - | - | - | - | |

Service Stations

| Site name | Owner | Location | Status | Distance (m) | Direction |
|------------------------------|---------------|------------------------------|-------------|-----------------|----------------|
| Budget Petrol Chippendale | Budget Petrol | 70 Regent Street Chippendale | Operational | 340 | South- west |

Substation / Switching Stations

| Site name | Owner | Location | Status | Distance (m) | Direction |
|----------------|-------|----------|--------|-----------------|-----------|
| Not identified | - | - | - | - | - |

Telephone Exchanges

| Site name | Location | Status | Distance (m) | Direction |
|-----------|----------------------------|-------------|-----------------|-----------|
| HMKT | 33 Parker Street Haymarket | Operational | 317 | north |

Waste Management Facilities

| Site name | Owner | Class | Status | Distance (m) | Direction |
|----------------|-------|-------|--------|-----------------|-----------|
| Not identified | - | - | - | - | - |

Wastewater Treatment Facilities

| Site name | Operator | Class | Status | Distance (m) | Direction |
|----------------|----------|-------|--------|-----------------|-----------|
| Not identified | - | - | - | - | - |

Unexploded Ordnance (UXO) Sites - Department of Defence (DoD)

| Site name | Site ID | Category | Description | Distance (m) | Direction |
|----------------|---------|----------|-------------|-----------------|-----------|
| Not identified | - | | - | - | - |



2.6 OTHER CURRENT POTENTIALLY CONTAMINATING ACTIVITIES

Map 7b (200m Buffer)

Current Commercial and Trade Data

| Site name | Category | Location | Status* | Distance (m) | Direction |
|------------------------------|---------------------|--|---------|-----------------|-----------|
| Unknown | Repair Facility | Lee St, Chippendale NSW 2008 | Former | 0 | Onsite |
| Europcar - Sydney Central | Rent-a-Car Facility | Mercure Hotel, 818-820 George St, Sydney NSW 2000 | Current | 39 | west |

^{*}Data is current as when this report was created. However due to the turnover of business locations, some addresses may be former.

Underground Storage Tank (UST)

| Premises | Tank type | Status* | Distance (m) | Direction |
|----------------|-----------|---------|-----------------|-----------|
| Not identified | - | - | - | |

Note: This is not an exhaustive list of all UST's.

Parramatta River Catchment Land Use Areas – Zoning Changes

| Land Use 1943 | Land Use 2005 | Distance (m) | Direction |
|----------------|---------------|-----------------|-----------|
| Not identified | - | - | - |

Parramatta River Catchment Land Use Areas – Reclamation Areas

| | On the Property? | Within Record Search Buffer? |
|------------------|------------------|------------------------------|
| Reclamation Area | Not identified | Not identified |

^{*}Many areas of Parramatta river have been reclaimed, often being used as rubbish dumps.

2.7 NPI INDUSTRIAL FACILITIES

Map 8 (500m Buffer)

| Facility name | Address | Primary ANZSIC Class | Latest report | Distance (m) | Direction |
|------------------|--------------------|----------------------|---------------|-----------------|-----------|
| CUB Kent Brewery | 26 Broadway Sydney | Beer Manufacturing | 2003/2004 | 145 | west |

2.8 LICENSING UNDER THE POEO ACT 1997

Map 8 (500m Buffer)

Licences

| Licence holder | EPL Number | Location Name | Premise Address ¹ | Fee Based Activity | Distance (m) | Direction |
|---|---------------|--|---|-------------------------------|-----------------|-----------|
| Laing O'Rourke Australia Construction Pty Ltd | 21148 | Central Railway Station - Sydney Metro Central Main Works | Central Railway Station - Sydney Metro Central Main Works | Railway systems activities | 0 | east |



| Licence holder | EPL Number | Location Name | Premise Address ¹ | Fee Based Activity | Distance (m) | Direction |
|--------------------------------|---------------|---|--|---|-----------------|----------------|
| DOWNER EDI WORKS PTY LTD | 21130 | Parts of Central Station and Adamstown Station | Parts of Lot 118 DP1078271 and Lot 103 DP1188890, SYDNEY, NSW, 2000 | Railway systems activities | 0 | east |
| SYDNEY TRAINS | 12208 | Sydney Trains | PO BOX K349 | Railway systems activities | 0 | east |
| ENWAVE CENTRAL PARK PTY LTD | 20768 | CENTRAL PARK CTP & TRIGEN FACILITY | 3 CENTRAL PARK AVENUE | Generation of electrical power from gas | 336 | South- west |

^{1.} Some sites do not contain specific addresses. Records identified as being in the surrounding area have been added for information.

Delicensed Premises still Regulated by EPA, Licences Surrendered, Clean Up and Penalty Notices

| Licence holder | Nº | Name | Premise Address ¹ | Fee Based Activity | Status | Distance (m) | Direction |
|---|-------------|---|--------------------------------------|---|-------------------|-----------------|----------------|
| CARLTON & UNITED BREWERIES (N S W) PTY LTD | 1521 | CARLTON & UNITED BREWERIES (N S W) PTY LTD | 26-98 BROADWAY SYDNEY | Brewing and distilling Hazardous, Industrial or Group A Waste Generation or Storage | Surrende red | 182 | South- west |
| THE PRETERM FOUNDATION | 12236 | The Preterm Foundation | 1-5 Randle Street, SURRY HILLS | Hazardous, Industrial or Group A Waste Generation or Storage | Delicens ed | 308 | east |
| NATIONWIDE NEWS PTY. LIMITED | 7237 | MIRROR AUSTRALIAN TELEGRAPH PUBLICATIONS | 2 HOLT STREET SYDNEY | Hazardous, Industrial or Group A Waste Generation or Storage | Surrende red | 425 | east |
| Jackson Phillips | 15367 11 | Central Station | Central Station SYDNEY | Deposit litter (lit cigarette) | Penalty Notice | 0 | east |
| Powercor Network Services Pty Ltd | 15551 19 | Powercor Network Services Pty Ltd | 28 Foveaux Street SYDNEY | Transport etc asbestos waste to unlawful facility - other - Corporation | Penalty Notice | 460 | east |

^{1.} Some sites do not contain specific addresses. Records identified as being in the surrounding area have been added for information.

2.9 PUBLIC REGISTER OF PROPERTIES AFFECTED BY LOOSE-FILL ASBESTOS INSULATION

Map 8 (onsite)

| Address | Match Found |
|----------------|-------------|
| Not identified | - |



HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

1932 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

| Activity | Name | Address | Positional accuracy | Distance (m) * | Direction |
|---|---|---|---------------------|----------------|---------------|
| Printers | Alert Printing & Publishing Co Ltd | 718 Harris Street, Sydney | Address | 121m | North West |
| Railway Carriage and Rolling Stock Manufacturers and Importers | Berghouse DH | 718 Harris Street, Ultimo | Address | 121m | North West |
| Assayers | Garrett & Davidson Ltd. (Head Office) | Bank of NSW Chambers. George & Regent Streets, Sydney | Address | 122m | West |
| Smelters and Refiners | Garrett & Davidson Ltd | Bank of NSW Buildings, Regent & George Streets, Sydney | Address | 122m | West |
| Brassfinishers | Stead & Baker | 743-745 Harris Street, Ultimo | Address | 146m | West |
| Motor Cars, Lorries & Garages | Kethro GE | 67 Regent Street, Sydney | Address | 153m | South West |
| Printers | Cusack J | 67 Regent Street, Sydney | Address | 153m | South West |
| Printers | McQuitty A | 67 Regent Street, Sydney | Address | 153m | South West |
| Printers | Publicity Press Ltd | 71 Regent Street, Sydney | Address | 161m | South West |
| Refrigerating Works | Farmers' and Dairymen's Milk Company Ltd | 666-668 Harris Street (corner Thomas Street), Ultimo | Address | 181m | North West |
| Fertilizer Manufacturers | Australian Gas Light Co. | Pitt Street, Haymarket | Street | | |
| Motor Engineers and Repairers | Cleburne EJ | Bijou Lane, Sydney | Street | | |
| Silversmiths | Sanders WJ | Lee Street, Sydney | Street | | |
| Motor Cars, Lorries & Garages | Moore & Dickerson | Regent Street, Sydney | Street | | |
| Motor Cars, Lorries & Garages | Duesbury GH | 741 Harris Street, Sydney | Street | | |

^{*} If no distance is provided, address no longer exists.

1940 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

| Activity | Name | Address | Positional accuracy | Distance (m) * | Direction |
|------------------------------------|--------------|----------------------------|---------------------|----------------|-----------|
| Clothing-Mfrs. &/or Wholesalers | Krupa S | "820 George Street, Sydney | Address | 20m | West |
| Embossed Seals & Labels | Raskall A&Co | 820 George Street, Sydney | Address | 20m | West |



| Chemical Mfrs &/or Druggists - Wholesale | Black Clemerrt&Co | 12 Little Regent, Sydney | Address | 20m | West |
|---|----------------------------|--|---------|-----|---------------|
| Clothing - Frock Mfrs | Morris A | 12 Little Regent, Sydney | Address | 20m | West |
| Warehousemen | Clement Black&Co | 12 Little Regent, Sydney | Address | 20m | West |
| Clothing - Leather | Leather Industries Pty Ltd | 28 Regent Street, Sydney | Address | 23m | South West |
| Importers | Gommesen E&Co Ltd | 28 Regent Street, Sydney | Address | 23m | South West |
| Knitted Goods | Mabro Knitting Mills | 28 Regent Street, Sydney | Address | 23m | South West |
| Millinery - Wholesale | Rawson Millinery Co | 28 Regent Street, Sydney | Address | 23m | South West |
| Preserves | Draper T W&Co Ltd | 28 Regent Street, Sydney | Address | 23m | South West |
| Artificial Flowers | Hat Flowers Co | 12 Regent Street, Sydney | Address | 27m | West |
| Motor Service Stations | Pennell W A | George Street & Lee Streets, Sydney | Address | 48m | North |
| Carriers - Light | ESSEX T R | 7 Little Regent, Sydney | Address | 54m | West |
| Motor Cars & Trucks - Used | Central Car Sales | 822 George Railway Square, Sydney | Address | 54m | West |
| Clothing - Frock Mfrs | Superior Manufacturing Co | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Mantle Mfrs. | Maurice&Connell Ltd | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Mantle Mfrs. | Rosen P&Sons | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Mantle Mfrs. | Whitty J | 822 George Street, Sydney | Address | 54m | West |
| Clothing-Mfrs. &/or Wholesalers | Bailey F H | 822 George Street, Sydney | Address | 54m | West |
| Clothing-Mfrs. &/or Wholesalers | Cobber Clothes Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Clothing-Mfrs. &/or Wholesalers | Osti Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Shirt, Collar & Pyjama Mfrs. | Grant J A | 822 George Street, Sydney | Address | 54m | West |
| Millinery - Wholesale | GC Millinery Manufacturers | 822 George Street, Sydney | Address | 54m | West |
| Diamond Merchants | Hawksford M | 805 George Street, Sydney | Address | 65m | North |
| Watchmakers & Jewellers - Mfrs &/or Wholesale | Basser A | 805 George Street, Sydney | Address | 65m | North |
| Watchmakers & Jewellers - Mfrs &/or Wholesale | Deiler&Basser Pty Ltd | 805 George Street, Sydney | Address | 65m | North |



| Clothing - Oilskins | Smith Copeland&Co Pty Ltd | 33 Regent Street, Sydney | Address | 67m | South West |
|------------------------------------|--|-----------------------------|---------|-----|---------------|
| Flags & Pennants | SMITH COPELAND & CO PTY LTD | 33 Regent Street, Sydney | Address | 67m | South West |
| Tents Tarpaulins & Canvas Goods | SMITH COPELAND & CO PTY LTD | 33 Regent Street, Sydney | Address | 67m | South West |
| Calculating Services | SMITH COPELAND & CO PTY LTD | 33-37 Regent Street, Sydney | Address | 67m | South West |
| Corset Mfrs | Berlei Ltd | 39 Regent Street, Sydney | Address | 68m | South West |
| Plywoods | Plywood Distributors | 15 Regent Street, Sydney | Address | 69m | South West |
| Bicycles & Accessories | Lawrence Smith&Co Pty Ltd | 19 Regent Street, Sydney | Address | 69m | South West |
| Oils - Essential | Harris Keith&Co Pty Ltd | 19 Regent Street, Sydney | Address | 69m | South West |
| Electroplaters' Supplies | LAWRENCE SMITH & CO PTY LTD | 19-25 Regent Street, Sydney | Address | 69m | South West |
| Monumental Masons | ARNOLD F & SONS PTY LTD | 53 Regent Street, Sydney | Address | 74m | South West |
| Quarries | Arnold F&Sons Pty Ltd | 53 Regent Street, Sydney | Address | 74m | South West |
| Stone Merchants | Arnold F&Sons Pty Ltd | 53 Regent Street, Sydney | Address | 74m | South West |
| Adhesives | Lauck's Laboratories | 841 George Street, Sydney | Address | 84m | West |
| Advertising - Distributors | Spads Sates Promoting Advertising Distributing Service | 841 George Street, Sydney | Address | 84m | West |
| Bottling Outfits | Bruce B A | 841 George Street, Sydney | Address | 84m | West |
| Clothing - Frock Mfrs | Three Stars Frocks Mfrg Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Clothing - Mantle Mfrs. | Fell C Mrs | 841 George Street, Sydney | Address | 84m | West |
| Electrical Repairs | Radio Service&Maintenance Co Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Indentors | Radio&General Agencies Ltd | 841 George Street, Sydney | Address | 84m | West |
| Instruments | Casper K | 841 George Street, Sydney | Address | 84m | West |
| Knitting Mills | Jersey Knitting Co | 841 George Street, Sydney | Address | 84m | West |
| Manufacturers | Brunen J | 841 George Street, Sydney | Address | 84m | West |
| Patent Medicines | R.U.R. Pty | 841 George Street, Sydney | Address | 84m | West |
| Printers - Letterpress | Hiley W | 841 George Street, Sydney | Address | 84m | West |



| Radio Distributors - Wholesale | Davis Radio Co | 841 George Street, Sydney | Address | 84m | West |
|---|-------------------------------------|----------------------------|---------|------|---------------|
| Radio Distributors - Wholesale | Radio Despatch Service | 841 George Street, Sydney | Address | 84m | West |
| Radio Repairs & Service | RADIO DESPATCH SERVICE | 841 George Street, Sydney | Address | 84m | West |
| Schools & Colleges - Technical & Trade | Wembley Hairdressing College | 841 George Street, Sydney | Address | 84m | West |
| Scientific Instruments & Apparatus | CASPER K | 841 George Street, Sydney | Address | 84m | West |
| Time Recording Clocks | CHOWN & POWER | 841 George Street, Sydney | Address | 84m | West |
| Toilet Preparations | Hawley F C | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Mfrs. &/or Wholesalers | Davidson H I | 845 George Street, Sydney | Address | 84m | West |
| Clothing - Shirt, Collar & Pyjama Mfrs. | Jordan A | 845 George Street, Sydney | Address | 84m | West |
| Photographers - General | Grace Studios | 845 George Street, Sydney | Address | 84m | West |
| Radio Repairs & Service | Cosmo Radio&Electric Co | 845 George Street, Sydney | Address | 84m | West |
| Motor Replacement Parts | Kyle Parts Co | 11 Regent Street, Sydney | Address | 87m | West |
| Tobacco - Mfrs &/or Wholesalers | Macinante A&Co | 855 George Street, Sydney | Address | 91m | West |
| Tobacco - Mfrs &/or Wholesalers | Page R G | 859 George Street, Sydney | Address | 99m | West |
| Timber Merchants | Hoadley H&Sons | 863 George Street, Sydney | Address | 108m | West |
| Map Mounters & Publishers | Australian Guide Book Co Ltd The | 57 Regent Street, Sydney | Address | 114m | South West |
| Printers - Letterpress | Land Newspaper Ltd The | 57 Regent Street, Sydney | Address | 114m | South West |
| Publishers | Gregory Publishing Co The | 57 Regent Street, Sydney | Address | 114m | South West |
| Handkerchief Mfrs | PATTON BROTHERS | 59 Regent Street, Sydney | Address | 114m | South West |
| Newspapers - Rural | LAND NEWSPAPER LTD | 59 Regent Street, Sydney | Address | 114m | South West |
| Assayers | GARRETT & DAVIDSON PTY LTD | 824 George Street, Sydney | Address | 115m | West |
| Gold Buyers | Garrett&Davidson Pty Ltd | 824 George Street, Sydney | Address | 115m | West |
| Carriers - Light | Lette J | 34 Kensington, Chippendale | Address | 117m | West |
| Chemists - Pharmaceutical | Hammond F A | 775 George Street, Sydney | Address | 117m | North |
| Stores - General | Maypole Stores | 779 George Street, Sydney | Address | 117m | North |



| Ham & Bacon Curers | Bacon Curers Pty Ltd | 702 Harris Street,Ultimo | Address | 121m | North West |
|---------------------------------------|--|-------------------------------|---------|------|---------------|
| Storage - Cold | Sydney Cold Stores Ltd | 702 Harris Street, Ultimo | Address | 121m | North West |
| Meat Packers | Poels&Co (Aust) Pty Ltd | 720 Harris Street, Ultimo | Address | 121m | North West |
| Clothing - Leather | Maitland&Riley | 17 Valentine, Sydney | Address | 140m | North |
| Leather Goods - Wholesale | H&A Leathergoods | 17 Valentine, Sydney | Address | 140m | North |
| Electrical Repairs | SLINGSBY & COLES PTY LTD | 19 Valentine, Sydney | Address | 140m | North |
| Engineers - Electrical | Slingsby&Coles Pty Ltd | 19 Valentine, Sydney | Address | 140m | North |
| Clothing-Mfrs. &/or Wholesalers | Lomas V | 21 Valentine,Sydney | Address | 140m | North |
| Carriers - Light | Maloney N F | 69 Regent Street, Chippendale | Address | 153m | South West |
| Hardware - Wholesale | Marrison James&Co | 67 Regent Street, Sydney | Address | 153m | South West |
| Undertakers' Supplies | Webb H H&Co Pty | 67 Regent Street, Sydney | Address | 153m | South West |
| Carpet Repairers &/or Planners | Delaney G G | 69 Regent Street, Sydney | Address | 153m | South West |
| Rubber Goods Mfrs | Anchor Rubber Co The | 69 Regent Street, Sydney | Address | 153m | South West |
| Printers - Letterpress | Publicity Press (1938) Pty Ltd | 71 Regent Street, Sydney | Address | 161m | South West |
| Clothing-Mfrs. &/or Wholesalers | Advance Tailoring Co | 761 George Street, Sydney | Address | 164m | North |
| Undertakers | WOOD COFFILL LTD | 810 George Street, Sydney | Address | 172m | North |
| Embroiderers & Lace | DIRECT EMBROIDERY CO | 812a George Street, Sydney | Address | 172m | North |
| Clothing - Frock Mfrs | Downton D C Miss | 757 George Street, Sydney | Address | 174m | North |
| Printers - Letterpress | Pepperday W A&Co Pty Ltd | 757a George Street, Sydney | Address | 174m | North |
| Tailors - Manufacturing | Craftsman Tailors (D Simons) | 757a George Street, Sydney | Address | 174m | North |
| Butter | DAIRY FARMERS CO-OP MILK CO LTD | 700 Harris Street, Ultimo | Address | 181m | North West |
| Dairies | Dairy Farmers' Co-operative Milk Co Ltd | 700 Harris Street, Ultimo | Address | 181m | North West |
| Ice Mfrs | DAIRY FARMERS CO-OP MILK CO LTD | 700 Harris Street, Ultimo | Address | 181m | North West |
| Milk Vendors | DAIRY FARMERS CO-OP MILK CO LTD THE | 700 Harris Street, Ultimo | Address | 181m | North West |
| Clothing - Children's &/or Women's | Valentine Manufacturing Co | 755 George Street, Sydney | Address | 185m | North |



| Clothing - Children's &/or Women's | Williams F | 804 George Street, Sydney | Address | 195m | North |
|---------------------------------------|-----------------------------|-------------------------------|---------|------|-------|
| Dental Laboratories | Law J A | 804 George Street, Sydney | Address | 195m | North |
| Clothing - Aprons & Overalls | Kenwall Clothing Co Pty Ltd | Little Regent Street, Sydney | Street | | |
| Clothing-Mfrs. &/or Wholesalers | Bradley Colin&Co | Little Regent Street, Sydney | Street | | |
| Files & Twist Drills | File Reconditioning Co | Little Regent Street, Sydney | Street | | |
| Knitting Mills | Rashel Knitting Mills | Little Regent Street, Sydney | Street | | |
| Motor Engineers & Repairers | Mills V H | Little Regent Street, Sydney | Street | | |
| Newspapers - General | Australian Home Budget The | Little Regent Street, Sydney | Street | | |
| Printers - Letterpress | Rawson Press | Little Regent Street, Sydney | Street | | |
| Printers - Letterpress | Talty W&Co | Little Regent Street, Sydney | Street | | |
| Publishers | Waveriey Press | Little Regent Street, Sydney | Street | | |
| Builders & Contractors | Edwards A W Pty Ltd | George Street, Sydney | Street | | |
| Fuel Merchants | Grimson A | George Street, Sydney | Street | | |
| Newspapers - Religious | Church Record Ltd | George Street, Sydney | Street | | |
| Refrigeration | Good Housekeeping Shops | George Street, Haymarket | Street | | |
| Vacuum Cleaners | Marshall&Hagar | Lee Street, Sydney | Street | | |
| Confectionery Mfrs | Art Chocolate Co | 14 Little Regent, Chippendale | Street | | |
| Typewriter Supplies | Ames Agency Pty Itd | 14 Little Regent, Sydney | Street | | |
| Cabinet Makers | Scowen W R | 11 Valentine, Sydney | Street | | |
| M P 1 1 11 11 | | | | | |

^{*} If no distance is provided, address no longer exists.

1950 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

| Activity | Name | Address | Positional accuracy | Distance (m) * | Direction |
|-----------------------------|-------------------|--------------------------|---------------------|----------------|-----------|
| Motor Engineers & Repairers | Glaclarium Garage | 10 Little Regent, Sydney | Address | 20m | West |
| Chromium Platers | Nichrome Pty Ltd | 12 Little Regent, Sydney | Address | 20m | West |
| Printers - Letterpress | Witton Press | 12 Little Regent, Sydney | Address | 20m | West |



| Process Engravers | Waldon Process Engraving Co Pty Ltd | 12 Little Regent Street, Sydney | Address | 20m | West |
|---|--|--|---------|-----|---------------|
| Publishers | Shakespeare Head Press Pty Ltd | 12 Little Regent Street, Sydney | Address | 20m | West |
| Optical Supplies | Corneal Lens Corporation Pty Ltd | 820 George Street, Sydney | Address | 20m | West |
| Clothing - Children's Wear - Mfrs. &/or W'sIrs. | Langford & Co Pty Ltd | 28 Regent , Sydney | Address | 23m | South West |
| Clothing - Shirt, Collar & Pyjama Mfrs. | Carr Clothing Co | 28 Regent Street, Sydney | Address | 23m | South West |
| Food Products | DraperT W&Co Ltd | 28 Regent Street, Sydney | Address | 23m | South West |
| Shirt, Collar & Pyjama Mfrs. | Carr Clothing Co | 28 Regent Street, Sydney | Address | 23m | South West |
| Clothing - Mfrs. &/or W'salers | Carr Clothing Co | Aboud Hse., 28 Regent Street, Sydney | Address | 23m | South West |
| Insulating Material Supplies | Quality Insulations & Constructions Co Pty Ltd | 30 Regent, Sydney | Address | 23m | South West |
| Artificial Flowers | Hartman E & Co | 12 Regent Street, Sydney | Address | 27m | West |
| Cake Ornament Mfrs. | Hartman E & Co | 12 Regent Street, Sydney | Address | 27m | West |
| Clothing - Mantle Mfrs | Lesnore Robes | 12 Regent Street, Sydney | Address | 27m | West |
| Scales & Weighing Machines | Australian & Eastern Engineering Co Pty Ltd | 18 Regent Street, Sydney | Address | 27m | West |
| Instruments | Liddle J H&Epstein | 22 Regent Street, Sydney | Address | 27m | West |
| Dry Cleaners and Dyers | Regent Nu Dry Cleaners | 24 Regent , Sydney | Address | 27m | West |
| Clothing - Mantle Mfrs | Whitty J | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Mfrs. &/or W'salers | Cobber Clothes Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Mfrs. &/or W'salers | Darby Clothing Co | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Mfrs. &/or W'salers | X.L Knit Frocks Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Sportswear Mfrs. &/or W'salers | Bailey F H King&Co | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Underclothing Mfrs. | Superior Manufacturing Co Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Hardware - Retail | Hoadley's Hardware | 822 George Street, Sydney | Address | 54m | West |
| Clothing - Shirt, Collar & Pyjama Mfrs. | Grant J A | canada Bldg., 822 George Street, Sydney | Address | 54m | West |
| Shirt, Collar & Pyjama Mfrs. | Grant J A | canada Bldg., 822 George Street, Sydney | Address | 54m | West |



| Clothing - Underclothing Mfrs. | X.L Knit Frocks Pty Ltd | Canada Hse., 822 George Street, Sydney | Address | 54m | West |
|---|--|---|---------|-----|---------------|
| Jewellers - Mfrg &/or W'sale | Basser A | 805 George Street, Sydney | Address | 65m | North |
| Jewellers - Mfrg &/or W'sale | Deller & Basser Pty Ltd | 805 George Street, Sydney | Address | 65m | North |
| Canvas - W'sale | Smith Copeland & Co Pty Ltd | 33 Regent Street, Sydney | Address | 67m | South West |
| Flags & Pennants | Smith Copeland & Co Pty Ltd | 33 Regent Street, Sydney | Address | 67m | South West |
| Camp Supplies | Smith Copeland & Co Pty Ltd | 33-37 Regent Street, Sydney | Address | 67m | South West |
| Corset Mfrs. | Berlei Ltd | 39 Regent Street, Sydney | Address | 68m | South West |
| Plywoods | Plywood Distributors | 15 Regent Street, Sydney | Address | 69m | South West |
| Timber Merchants | Bright & Russell | 15 Regent Street, Sydney | Address | 69m | South West |
| Bakers' & Pastrycooks' Supplies | Harris Keith & Co Ltd | 19 Regent Street, Sydney | Address | 69m | South West |
| Bicycles & Accessories | Lawrence Smith & Co Pty Ltd | 19 Regent Street, Sydney | Address | 69m | South West |
| Electroplaters' Supplies | Lawrence Smith & Co Pty Ltd | 19-25 Regent, Sydney | Address | 69m | South West |
| Aerated Water Mfrs.' Supplies | Harris Keith & Co Ltd | 19-25 Regent Street, Sydney | Address | 69m | South West |
| Essences | Harris Keith & Co Ltd | 19-25 Regent Street, Sydney | Address | 69m | South West |
| Eucalyptus Oil Distillers | Sheldon Harris Oil Industries Pty Ltd | 19-25 Regent Street, Sydney | Address | 69m | South West |
| Oil - Essential | Harris Keith & Co Ltd | 19-25 Regent Street, Sydney | Address | 69m | South West |
| Monumental Masons | Arnold F & Sons Pty Ltd | 53 Regent Street, Sydney | Address | 74m | South West |
| Quarries | Arnold F&Sons Pty Ltd | 53 Regent Street, Sydney | Address | 74m | South West |
| Stone Merchants | Arnold F&Sons Pty Ltd | 53 Regent Street, Sydney | Address | 74m | South West |
| Clothing - Children's Wear - Mfrs. &/or W'sIrs. | Pick Grace Pty Ltd | 841 George, Sydney | Address | 84m | West |
| Printers - Letterpress | Hiley W | 841 George, Sydney | Address | 84m | West |
| Textile Merchants | Preswick J | 841 George, Sydney | Address | 84m | West |
| Clothing - Mfrs. &/or W'salers | Bloomfield J H | 841 George Street, Sydney | Address | 84m | West |
| Clothing - Mfrs. &/or W'salers | Cerigo Clothing Manufacturing Co | 841 George Street, Sydney | Address | 84m | West |



| Clothing - Mfrs. &/or W'salers | Lucele Frocks | 841 George Street, Sydney | Address | 84m | West |
|--|---------------------------------|---------------------------|---------|------|------|
| Clothing - Shirt, Collar & Pyjama Mfrs. | Cerigo Clothing Mfg Co | 841 George Street, Sydney | Address | 84m | West |
| Clothing - Underclothing Mfrs. | J.S. Lingerie | 841 George Street, Sydney | Address | 84m | West |
| Clothing - Underclothing Mfrs. | "Tonn" | 841 George Street, Sydney | Address | 84m | West |
| Furriers - Mfrg &/or W'sale | Mortimer J Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Gold Stampers | Senior A & M | 841 George Street, Sydney | Address | 84m | West |
| Hardware - W'sale | Radio&General Agencies Ltd | 841 George Street, Sydney | Address | 84m | West |
| Jewellers - Mfrg &/or W'sale | Martire G | 841 George Street, Sydney | Address | 84m | West |
| Leather Goods - Mfrs &/or wsalers | Gador&Son | 841 George Street, Sydney | Address | 84m | West |
| Manufacturers | Brunen J | 841 George Street, Sydney | Address | 84m | West |
| Manufacturers | Stewart E M | 841 George Street, Sydney | Address | 84m | West |
| Paper Merchants | Chariton S | 841 George Street, Sydney | Address | 84m | West |
| Patent Medicines | R.U.R. (Aust) Ltd Mfrs | 841 George Street, Sydney | Address | 84m | West |
| Radio Distributors - W'sale | Davis Radio Co | 841 George Street, Sydney | Address | 84m | West |
| Radio Distributors - W'sale | Radio Despatch Service | 841 George Street, Sydney | Address | 84m | West |
| Shirt, Collar & Pyjama Mfrs. | Cerigo Clothing Mfg Co | 841 George Street, Sydney | Address | 84m | West |
| Toilet Supplies | Silkimit Pty | 841 George Street, Sydney | Address | 84m | West |
| Weavers | R&R Weaving Mills | 841 George Street, Sydney | Address | 84m | West |
| Radio Repairs & Service | Cosmo Radio & Electric Co | 845 George Street, Sydney | Address | 84m | West |
| Motor Accessories Mfrs. &/or W'salers | Kyle Parts Co | 11 Regent, Sydney | Address | 87m | West |
| Ball & Roller Bearings | Kyle Parts Co | 11 Regent Street, Sydney | Address | 87m | West |
| Motor Replacement Parts | Kyle Parts Co | 11 Regent Street, Sydney | Address | 87m | West |
| Chemists - Pharmaceutical | Glaciarium Pharmacy | 851 George Street, Sydney | Address | 91m | West |
| Radio Repairs & Service | Thompsons Radio Service Club | 861 George Street, Sydney | Address | 106m | West |
| Timber Merchants | Hoadley H & Sons Pty Ltd | 863 George Street, Sydney | Address | 108m | West |



| Printers - Letterpress | Land Newspaper Ltd The | 57 Regent, Sydney | Address | 114m | South West |
|--|--|---------------------------------------|---------|------|---------------|
| Publishers | Gregory's Street Directory | 57 Regent Street, Sydney | Address | 114m | South West |
| Publishers | Sales & Service Magazine Co Pty Ltd | 57 Regent Street, Sydney | Address | 114m | South West |
| Stores - General | Rasmussen E A | 57 Regent Street, Sydney | Address | 114m | South West |
| Clothing - Frocks Mfrs. | Patton Bros | 59 Regent Street, Sydney | Address | 114m | South West |
| Handkerchief Mfrs. | Patton Bros | 59 Regent Street, Sydney | Address | 114m | South West |
| Newspapers - Rural | Land Newspaper Ltd | 59 Regent Street, Sydney | Address | 114m | South West |
| Metallurgists | Garrett Davidson & Matthey Pty Ltd | 824 George Street, Sydney | Address | 115m | West |
| Assayers | Garrett Davidson & Matthey Pty Ltd | (Office) 824 George Street, Sydney | Address | 115m | West |
| Chemists - Pharmaceutical | Hammond F A | 775 George Street, Sydney | Address | 117m | North |
| Stores - General | Maypole Stores | 779 George Street, Sydney | Address | 117m | North |
| Carriers-Heavy | Hancock C | 34 Kensington, Chippendale | Address | 117m | West |
| Storage - Cold | Sydney Cold Stores Ltd | 702 Harris Street, Ultimo | Address | 121m | North West |
| Butchers - W'sale | Swift Australian Co Pty Ltd | 702-730 Harris Street, Ultimo | Address | 121m | North West |
| Small Goods Mfrs. &/or Distributors | Swift Australian Co Pty Ltd | 702-730 Harris Street, Ultimo | Address | 121m | North West |
| Typewriter Dealers & Repairers | Dess E H | 771 George Street, Sydney | Address | 130m | North |
| Fishing Tackle & Bait | Mick's Sports Store | 773 George Street, Sydney | Address | 130m | North |
| Metallurgists | Metalloy Refining Co | 17 Valentine, Sydney | Address | 140m | North |
| Analysts | Metalloy Refining Co | 17 Valentine Street, Sydney | Address | 140m | North |
| Steel Merchants | Australian Merchants & Shippers | 17 Valentine Street, Sydney | Address | 140m | North |
| Clothing - Mfrs. &/or W'salers | Rose M J | 21 Valentine Street, Sydney | Address | 140m | North |
| Sportswear | Betta Trousers Manufacturer | 21 Valentine Street, Sydney | Address | 140m | North |
| Foundries - Brass | Stead & Baker | 743 Harris, Sydney | Address | 146m | West |
| Motor Garages | Murphy's Jimmy Service Station | 69 Regent, Sydney | Address | 153m | South West |
| Motor Service Stations | Murphy's Jimmy Service Station | 69 Regent, Sydney | Address | 153m | South West |



| Printers - Letterpress | Publicity Press (1938) Pty Ltd | 71 Regent Street, Sydney | Address | 161m | South West |
|--|---|--|---------|------|---------------|
| Publishers | John Mystery's Production Pty Ltd | 71 Regent Street, Sydney | Address | 161m | South West |
| Publishers | Publicity Press (1938) Oty Ltd | 71 Regent Street, Sydney | Address | 161m | South West |
| Butchers - W'sale | Stewart Bros&Co (Carcase Butchers) Pty Ltd | 761 George Street, Sydney | Address | 164m | North |
| Clothing - Mfrs. &/or W'salers | Advance Tailoring Co | 761 George Street, Sydney | Address | 164m | North |
| Jewellers - Mfrg &/or W'sale | Lauris Trading Co Pty Ltd | 812a George Street, Sydney | Address | 172m | North |
| Sportswear | Downton D C Miss | 757 George Street, Sydney | Address | 174m | North |
| Printers - Letterpress | Pepperday W A & Co Pty Ltd | 757a George, Sydney | Address | 174m | North |
| Clothing - Mfrs. &/or W'salers | Rutter Pty Ltd | 757a George Street, Sydney | Address | 174m | North |
| Hat Renovators | Needham W D | 759 George Street, Sydney | Address | 174m | North |
| Butter | Dairy Farmers Co-op Milk Co Ltd | 700 harris Street, Ultimo | Address | 181m | North West |
| Dairies | Dairy Farmers' Co-operative Milk Co Ltd | 700 Harris Street, Ultimo | Address | 181m | North West |
| Ice Mfrs | Dairy Farmers Co-Op Milk Co Ltd | 700 Harris Street, Ultimo | Address | 181m | North West |
| Coupon Companies | Gold Star Coupon Co The | 806-808 George Street, Sydney | Address | 185m | North |
| Clothing - Frocks Mfrs. | Williams F Mrs | 804 George Street, Sydney | Address | 195m | North |
| Dental Laboratories | Hassett J | 804 George Street, Sydney | Address | 195m | North |
| Clothing - Mfrs. &/or W'salers | Isaacs L E Pty Ltd | George Street, Sydney | Street | | |
| Market Garderners | Narrabeen Growers Co- operative Ltd | George Street, Sydney | Street | | |
| Motor-Drive Yourself Service | Auto Drive Yourself Co | George Street, Sydney | Street | | |
| Newspapers - Religious | Church Record Ltd | George Street, Sydney | Street | | |
| Motor-Drive Yourself Service | Auto U-Drive Co | George Street, Railway Square, Sydney | Street | | |
| Fire Protection Appliances & Engineers | Heckford's Pty Ltd | Bijou Lane, Sydney | Street | | |
| Refrigeration | Kelvinator Sales & Service | Harris Street, Sydney | Street | | |
| Clothing - Mfrs. &/or W'salers | Maison Bruxelles | Lee Street, Railway Square, Sydney | Street | | |
| Electric Motors - Repairs & Maintenance | Hagar O | Lee Street, Sydney | Street | | |



| Motor Service Stations | Central Service Station | Lee Street, Sydney | Street | |
|--|--------------------------------|---|--------|--|
| Newspapers - General | Australian Home Budget The | Little Regent Street, Sydney | Street | |
| Petrol Pumps | Wall Macnaught Pty Ltd | Little Regent Street, Sydney | Street | |
| Pleaters | Sunray Pleating & Mfrg Co | Little Regent Street, Sydney | Street | |
| Publishers | Waverly Press | Little Regent Street, Sydney | Street | |
| Pumps - Mfrs. & Importers | Wall Macnaught Pty Ltd | Little Regent Street, Sydney | Street | |
| Clothing - Mfrs. &/or W'salers | Stern M | Little Regent Street, Railway Square, Sydney | Street | |
| Storage - Cold | Hayland David&Sons Pty Ltd | 755 Harris Street, Sydney | Street | |
| Ladies Handbags - mfrs &/or wsalers | Carleton Bros | 14 Little Regent Street, Sydney | Street | |
| Leather Goods - Mfrs &/or wsalers | Carleton Bros | 14 Little Regent Street, Sydney | Street | |
| Typewriters Supplies | Ames Agency Pty Ltd | 14 Little Regent Street, Sydney | Street | |
| Knitting Mills | Victory Knitting Mills Pty Ltd | 14-18 Little Regent, Sydney | Street | |
| Builders & Contrators | Johnson GH | 11 Valentine, Sydney | Street | |
| Leather & Grindery Supplies | Westheimer I Pty Ltd | 15 Valentine Street, Sydney | Street | |

^{*} If no distance is provided, address no longer exists.

1965 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

| Activity | Name | Address | Positional accuracy | Distance (m) * | Direction |
|---------------------------------|---------------------------------------|--------------------------|---------------------|----------------|-----------|
| Adding & Calculating Machines | GOODSON CALCULATORS (AUST) PTY LTD | 6 LittleRegentSt, Sydney | Address | 20m | West |
| Advertising—Service Agents | Greene T B | 6 LittleRegent, Sydney | Address | 20m | West |
| Agents— Manufacturers' | Alexander P | 6 LittleRegent, Sydney | Address | 20m | West |
| Agents— Manufacturers' | Brown F W | 6 LittleRegent, Sydney | Address | 20m | West |
| Cleaners—General | BLUE SKY CLEANING SERVICE | 6 LittleRegent, Sydney | Address | 20m | West |
| Jewellers—Mfrg. &/or W'sale | Tomasi E | 6 LittleRegent, Sydney | Address | 20m | West |
| Motor Body Builders & Repairers | Broadway Car Repairs | 6 LittleRegent, Sydney | Address | 20m | West |



| Taxi Truck Services | Lawrence A | 6 LittleRegent, Sydney | Address | 20m | West |
|--|--|-----------------------------|---------|-----|---------------|
| Textile Merchants &/or Mills | Ballarat Woollen&Worsted Co Ltd | 6 LittleRegent, Sydney | Address | 20m | West |
| Waste Merchants | Alexander K | 6 LittleRegent, Sydney | Address | 20m | West |
| Window Cleaners | BLUE SKY CLEANING SERVICE | 6 LittleRegent, Sydney | Address | 20m | West |
| Electrical Appliances & Equipment—W'salers | Wadey Walter&Co | 6-10 LittleRegent, Sydney | Address | 20m | West |
| Motor Panel Beaters | BROADWAY CAR REPAIRS | 6-10 LittleRegentSt, Sydney | Address | 20m | West |
| Woollen & Worsted Mfrs | BALLARAT WOOLLEN & WORSTED CO LTD | 6-10 LittleRegent, Sydney | Address | 20m | West |
| Clothing—Blouses | Atlas Garments Pty Ltd | 12 LittleRegent, Sydney | Address | 20m | West |
| Clothing—Frock Mfrs | Slimline Fashions | 12 LittleRegent, Sydney | Address | 20m | West |
| Clothing—Mfrs. &/or Wsalers | Edna Models | 12 LittleRegent, Sydney | Address | 20m | West |
| Clothing—Mfrs. &/or Wsalers | STANDEX PRODUCTIONS PTY LTD | 12 LittleRegentSt, Sydney | Address | 20m | West |
| Photo Engravers | M. & M. ENGRAVINGS PTY LTD | 12 LittleRegent, Sydney | Address | 20m | West |
| Photo Engravers | Waldon Process Engraving Co Pty Ltd | 12 LittleRegent, Sydney | Address | 20m | West |
| Photo Lithographers | Acton Photo Litho&Engraving Pty Ltd | 12 LittleRegent, Sydney | Address | 20m | West |
| Printers—Letterpress | Witton Press | 12 LittleRegent, Sydney | Address | 20m | West |
| Stereotypers & Electrotypers | Middleton-Moore Pty Ltd | 12 LittleRegent, Sydney | Address | 20m | West |
| Clothing—Mfrs. &/or Wsalers | Krupa S&Sons Pty Ltd | 820 George, Sydney | Address | 20m | West |
| Clothing—Children's Wear—Mfrs. &/or W'salers | Langford&Co Pty Ltd | 28 Regent, Sydney | Address | 23m | South West |
| Clothing—Shirt Collar & Pyjama Mfrs | E. H. Shirts Manufacturing | 28 Regent, Sydney | Address | 23m | South West |
| Clothing—Tie & Scarf Mfrs | Smart Tie Manufacturing Co | 28 Regent, Sydney | Address | 23m | South West |
| Clothing—Tie & Scarf Mfrs | TOWN TALK TIES PTY LTD | 28 Regent, Sydney | Address | 23m | South West |
| Millinery—Mfrs. &/or W'salers | Rawson Distributors Pty Ltd | 28 Regent, Sydney | Address | 23m | South West |
| Millinery—Mfrs. &/or W'salers | Rawson Millinery Co | 28 Regent, Sydney | Address | 23m | South West |
| Blasting Mats | COULTER H C PTY LTD | 32 RegentSt, Sydney | Address | 23m | South West |



| Rope & Twine | Coulter H C Pty Ltd | 32 Regent, Sydney | Address | 23m | South West |
|--|--|----------------------|---------|-----|---------------|
| Wire Ropes | COULTER H C PTY LTD | 32 RegentSt, Sydney | Address | 23m | South West |
| Scales & Weighing Machines | AUSTRALIAN & EASTERN ENGINE CO LTD | 18 RegentSt, Sydney | Address | 27m | West |
| Plumbers & Gasfitters | MASTER PLUMBERS & SANITARY ENGINERS'ASSCN OF NSW | 10 Regent, Sydney | Address | 49m | West |
| Agents— Manufacturers' | Tradosphere Agencies Pty Ltd | 822 George, Sydney | Address | 54m | West |
| Aluminium | DOUGLAS DISTRIBUTORS PTY LTD | 822 George, Sydney | Address | 54m | West |
| Aluminium | Permalum Distributors | 822 George, Sydney | Address | 54m | West |
| Clothing—Mfrs. &/or Wsalers | Darby Clothing Co | 822 George, Sydney | Address | 54m | West |
| Clothing—Mfrs. &/or Wsalers | MAXWELL OF SYDNEY PTY LTD | 822 George, Sydney | Address | 54m | West |
| Clothing—Shirt Collar & Pyjama Mfrs | Melina Mfrg Co | 822 George, Sydney | Address | 54m | West |
| Siding | PERMALUM DISTRIBUTORS | 822 George, Sydney | Address | 54m | West |
| Textile Merchants &/or Mills | TRAOOSPHERE AGENCIES PTY LTD | 822 George, Sydney | Address | 54m | West |
| Carpets & Linoleums— Mfrs. &/or W'salers | Cambergs For Carpets | 805 George, Sydney | Address | 65m | North |
| Corset Mfrs | BERLEI LTD | 39 RegentSt, Sydney | Address | 68m | South West |
| Corset Mfrs | MAIOENFORM | 39 Regent, Sydney | Address | 68m | South West |
| Corset Mfrs | WARNERS LE GANT PTY LTD | 39 Regent, Sydney | Address | 68m | South West |
| Cleaners—General | M.O.P. (Metropolitan Overnight Polishing Co Pty) | 39-45 Regent, Sydney | Address | 68m | South West |
| Clothing—Children's Wear—Mfrs. &/or W'salers | Tecla Manufacturing Pty Ltd | 15 Regent, Sydney | Address | 69m | South West |
| Marble & Granite Merchants | Arnold F&Sons Pty Ltd | 53 Regent, Sydney | Address | 74m | South West |
| Monumental Masons | ARNOLD F & SONS PTY LTD | 53 Regent, Sydney | Address | 74m | South West |
| Quarries | Arnold F&Sons Pty Ltd | 53 Regent, Sydney | Address | 74m | South West |
| Stone Masons & Cutters | Arnold F&Sons Pty Ltd | 53 Regent, Sydney | Address | 74m | South West |
| Stone Merchants & or Suppliers | Arnold F&Sons Pty Ltd | 53 Regent, Sydney | Address | 74m | South West |
| Dental Laboratories | Central Dental Laboratory | 793 George, Sydney | Address | 82m | North |



| Dental Laboratories | Moses Philip Dental Laboratories | 793 George, Sydney | Address | 82m | North |
|--|---------------------------------------|--------------------|---------|-----|-------|
| Jewellers—Mfrg. &/or W'sale | Blakey J | 793 George, Sydney | Address | 82m | North |
| Photographers— Portraits | Estelle Studios | 793 George, Sydney | Address | 82m | North |
| Agents— Manufacturers' | Stone P | 841 George, Sydney | Address | 84m | West |
| Clothing—Blouses | Melody Garments Pty Ltd | 841 George, Sydney | Address | 84m | West |
| Clothing—Blouses | RHAPSODY GARMENTS PTY LTD | 841 George, Sydney | Address | 84m | West |
| Clothing—Children's Wear—Mfrs. &/or W'salers | JUNIOR HATS PTY LTD | 841 George, Sydney | Address | 84m | West |
| Clothing—Children's Wear—Mfrs. &/or W'salers | Tonn Pty Ltd | 841 George, Sydney | Address | 84m | West |
| Clothing—Frock Mfrs | A.M.T. Frock Manufacturing Pty Ltd | 841 George, Sydney | Address | 84m | West |
| Clothing—Frock Mfrs | Arden L&E | 841 George, Sydney | Address | 84m | West |
| Clothing—Frock Mfrs | Lucele Frocks | 841 George, Sydney | Address | 84m | West |
| Clothing—Frock Mfrs | OLYMPIC FASHIONS | 841 George, Sydney | Address | 84m | West |
| Clothing—Frock Mfrs | White Rose Garments Pty Ltd | 841 George, Sydney | Address | 84m | West |
| Clothing—Mfrs. &/or Wsalers | Bel-Ayre Clothing | 841 George, Sydney | Address | 84m | West |
| Clothing—Mfrs. &/or Wsalers | Hertex Co | 841 George, Sydney | Address | 84m | West |
| Clothing—Mfrs. &/or Wsalers | Morton Mfrg Co | 841 George, Sydney | Address | 84m | West |
| Clothing—Mfrs. &/or Wsalers | Olympic Fashions | 841 George, Sydney | Address | 84m | West |
| Clothing—Sportswear Mfrs. &/or W'salers | WHITE ROSE GARMENTS PTY LTD | 841 George, Sydney | Address | 84m | West |
| Electric Clocks | CHOWN & POWER PTY LTD | 841 George, Sydney | Address | 84m | West |
| Gold Stampers | SENIOR A&M | 841 George, Sydney | Address | 84m | West |
| Manufacturers | Hertex Co | 841 George, Sydney | Address | 84m | West |
| Printers—Letterpress | Hiley W | 841 George, Sydney | Address | 84m | West |
| Tailors—Manufacturing | Myers A L | 841 George, Sydney | Address | 84m | West |
| Time Recording Clocks | CHOWN & POWER PTY LTD | 841 George, Sydney | Address | 84m | West |



| Bearing Mfrs. &/or W'salers | KYLE PARTS CO | 11 RegentSt, Sydney | Address | 87m | West |
|--|--|-----------------------|---------|------|---------------|
| Motor Replacement Parts | KYLE PARTS CO | 11 Regent, Sydney | Address | 87m | West |
| Chemists— Pharmaceutical | Glaciarium Pharmacy | 851 George, Sydney | Address | 91m | West |
| Advertising—Display Materials | A.B.C. Displays | 787 George, Sydney | Address | 98m | North |
| Advertising—Displays | BURROWS R G & CO | 787 George, Sydney | Address | 98m | North |
| Display Models & Fixtures | A.B.C. Displays | 787 George, Sydney | Address | 98m | North |
| Display Models & Fixtures | BURROWS R G & CO | 787 GeorgeSt, Sydney | Address | 98m | North |
| Photographers— Commercial | Alexander V | 787 George, Sydney | Address | 98m | North |
| Shop & Office Fitters | Burrows R G&Co | 787 George, Sydney | Address | 98m | North |
| Boot Repairers | DICK'S SHOES (RAILWAY SQUARE) PTY LTD | 861 George, Sydney | Address | 106m | West |
| Kitchen Equipment &/or Fittings | Hardware etc | 863 George, Sydney | Address | 108m | West |
| Plywoods | HOADLEY H&SONS PTY LTD | 863 George, Sydney | Address | 108m | West |
| Timber Merchants | HOADLEY H & SONS PTY LTD | 863 George, Sydney | Address | 108m | West |
| Hardware—Retail | Hoadley's Kitchen Cupboards Pty Ltd | 867 George, Sydney | Address | 108m | West |
| Kitchen Equipment &/or Fittings | HOADLEY'S KITCHEN CUPBOARDS PTY LTD | 867 George, Sydney | Address | 108m | West |
| Machine Knives | PEARSON & McLEOD PTY LTD | 49 Goold, Sydney | Address | 114m | South West |
| Saws | Pearson&McCleod Pty Ltd | 49 Goold, Sydney | Address | 114m | South West |
| Newspapers—Rural | LAND NEWSPAPER LTD THE | 59 Regent St, Sydney | Address | 114m | South West |
| Printers—Letterpress | LAND NEWSPAPER LTD THE | 59 Regent, Sydney | Address | 114m | South West |
| Printers—Letterpress | LAND PRINTING HOUSE | 59 Regent St, Sydney | Address | 114m | South West |
| Process Engravers | LAND PRINTING HOUSE | 59 Regent St, Sydney | Address | 114m | South West |
| Assayers | MATTHEY GARRETT PTY LTD | 824 George St, Sydney | Address | 115m | West |
| Electrical Appliances & Equipment Mfrs | MATTHEY GARRETT PTY LTD | 824 George St, Sydney | Address | 115m | West |
| Electroplaters' Supplies | MATTHEY GARRETT PTY LTD | 824 George St, Sydney | Address | 115m | West |
| Metal Merchants | MATTHEY GARRETT PTY LTD | 824 George St, Sydney | Address | 115m | West |



| Metallurgists | MATTHEY GARRETT PTY LTD | 824 George St, Sydney | Address | 115m | West |
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| Solder Mfrs | MATTHEY GARRETT PTY LTD | 824 George St, Sydney | Address | 115m | West |
| Chemists— Pharmaceutical | Hammonds Pharmacy | 775 George, Sydney | Address | 117m | North |
| Radio Distributors— W'sale | Radio Despatch Service | 869 George, Sydney | Address | 119m | West |
| Ice Mfrs | SYDNEY COLD STORES LTD THE | 702-730 Harris St, Ultimo | Address | 121m | North West |
| Motor Parking Stations | GLACIARIUM CAR PARK | 702-730 Harris, Ultimo | Address | 121m | North West |
| Storage—Cold | SYDNEY COLD STORES LTD THE | 702-730 Harris, Ultimo | Address | 121m | North West |
| Motor Service Stations | SHELL SERVICE STATIONS | 702 Harris, Ultimo | Address | 121m | North West |
| Gunsmiths | Smiths Sports Store Pty Ltd | 773 George, Sydney | Address | 130m | North |
| Sporting Goods—Mfrs. &/or W'salers | MICK SMITH PTY LTD | 773 George St, Sydney | Address | 130m | North |
| Metallurgists | Metalloy Refining Co | 17 Valentine, Sydney | Address | 140m | North |
| Steel Merchants | Australian Merchants&Shippers Pty Ltd | 17 Valentine, Sydney | Address | 140m | North |
| Clothes Pressers | CLARKE & MILES PTY LTD | 21 Valentine, Sydney | Address | 140m | North |
| Clothing—Mfrs. &/or Wsalers | Maxtons | 21 Valentine, Sydney | Address | 140m | North |
| Tailors—Manufacturing | Maxtons | 21 Valentine, Sydney | Address | 140m | North |
| Printers—Letterpress | CENTRAL PRESS PTY LTD THE | 505 Pitt, Sydney | Address | 166m | North |
| Office & Business Systems | A.K.A. OFFICE SUPPLY CO PTY LTD | 812 George St, Sydney | Address | 172m | North |
| Clothing—Frock Mfrs | Direct Embroidery Co | 812a George, Sydney | Address | 172m | North |
| Clothing—Mfrs. &/or Wsalers | Leicester Productions Pty Ltd | 757 George, Sydney | Address | 174m | North |
| Clothing—Mfrs. &/or Wsalers | Ruttex Pty Ltd | 757a George, Sydney | Address | 174m | North |
| Fruit Juice Merchants &/or Processors | Orange Spot Pty Ltd | 745 George, Sydney | Address | 185m | North |
| Chemical Mfrs. &/or Druggists—W'sale | MALCO AGENCY | Valentine & Quay Sts, Sydney | Address | 192m | North |
| Chemical Suppliers | MALCO AGENCY | Valentine & Quay Sts, Sydney | Address | 192m | North |
| Belting Mfrs. & Supplies | Westheimer I Pty Ltd | 804 George, Sydney | Address | 195m | North |
| Clothing—Frock Mfrs | Laurette Frocks | 804 George, Sydney | Address | 195m | North |



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^{*} If no distance is provided, address no longer exists.



| Activity | Name | Address | Positional accuracy | Distance (m) * | Direction |
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| ELECTRIC CONDUIT/WIRING ACCESSORIES MFRS. | Stat-Electrical Porcelain Accessories Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRIC CONDUIT/WIRING ACCESSORIES MFRS. | Wadey, Walter A Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRIC FITTINGS MFRS. | Stat Electrical Porcelain Accessories Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRIC FOOD PREPARING MACHINE MANUFACTURERS &/OR DISTRIBUTORS | Wadey, Walter & Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRIC JUG MFRS. | Stat-Electrical Porcelain Accessories Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRIC MEDICAL EQUIPMENT MFRS. &/OR DISTS. | Wadey, Walter & Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRIC SWITCH & CONTROL GEAR MFRS. &/OR DISTS. | Wadco Switchgear Manufacturers, | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRIC TERMINAL MFRS. | Wadey, Walter&Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRICAL INSULATION & INSULATORS MFRS. &/OR IMP. &/OR DISTRIBUTORS | Stat-Electrical Porcelain Accessories Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRICAL JUNCTION BOX MANUFACTURERS | Stat-Electrical Porcelain Accessories Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRICAL SUPPLIES/APPLIANCES — WHOLESALE | Wadey, Walter & Co. Pty. Ltd., | 6 Little Regent St., Sydney | Address | 20m | West |
| MANUFACTURERS' AGENTS | Garlick, Woodrow, W., | 6 Little Regent St., Sydney | Address | 20m | West |
| MOTOR PAINTERS | Broadway Car Repairs, | 6 Little Regent St., Sydney | Address | 20m | West |
| MOTOR PANEL BEATERS | Broadway Car Repairs, | 6 Little Regent St., Sydney | Address | 20m | West |
| ELECTRIC TERMINAL MFRS. | Autopak Pty. Ltd., | 6-10 Little Regent St. | Address | 20m | West |
| MANUFACTURERS' AGENTS | Wadey, Walter & Co. Pty. Ltd., | 6-10 Little Regent St. | Address | 20m | West |
| CLOTHING MFRS. &/OR W'SALERS —GENERAL | Standex Productions Pty. Ltd., | 12 Little Regent St., Sydney | Address | 20m | West |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Standex Productions Pty. Ltd., | 12 Little Regent St., Sydney | Address | 20m | West |
| CLOTHING MFRS. &/OR W'SALERS — SPORTSWEAR | Standex Productions Pty. Ltd., | 12 Little Regent St., Sydney | Address | 20m | West |



| PHOTO ENGRAVERS | M. & M. Lithographic Pty, Ltd., | 12 Little Regent St., Sydney | Address | 20m | West |
|--|-------------------------------------|--|---------|-----|---------------|
| PRINTERS— LETTERPRESS | Witton Press, | 12 Little Regent St., Sydney | Address | 20m | West |
| PRINTERS— LITHOGRAPHIC (OFFSET) | Witton Press Pty. Ltd., | 12 Little Regent St., Sydney | Address | 20m | West |
| STEREOTYPERS— METAL, PLASTIC, RUBBER | Middleton & Moore Pty. Ltd., | 12 Little Regent St., Sydney | Address | 20m | West |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Krupa, S. & Sons Pty. Ltd., | 820 George St., Sydney | Address | 20m | West |
| ROPE, CORDAGE & TWINE MFRS. &/OR DISTRIBUTORS | Coulter. H. C. Pty. Ltd., | 32 Regent St., Sydney | Address | 23m | South West |
| WIRE ROPE MFRS. &/OR SPLICERS | Coulter, H. C. Pty. Ltd., | 32 Regent St., Sydney | Address | 23m | South West |
| CLOTHING MFRS. &/OR W'SALERS —COLLARS &/OR TIES, ETC. | Roberts & Baker Pty. Ltd., | 28 Regent St., Sydney | Address | 23m | South West |
| CLOTHING MFRS. &/OR W'SALERS —COLLARS &/OR TIES, ETC. | Town Talk Ties Pty. Ltd,, | 28 Regent St., Sydney | Address | 23m | South West |
| CLOTHING MFRS. &/OR W'SALERS — INDUSTRIAL | Langford and Co. Pty. Ltd., | 28 Regent St., Sydney | Address | 23m | South West |
| CLOTHING MFRS. &/OR W'SALERS —SCHOOL UNIFORMS | Langford & Co. Pty. Ltd., | 28 Regent St., Sydney | Address | 23m | South West |
| CLOTHING MFRS. &/OR W'SALERS —SHIRT &/OR PYJAMA | E.N.H. Shirt Mfrg., | 28 Regent St., Sydney | Address | 23m | South West |
| CLOTHING MFRS. &/OR W'SALERS —SHIRT &/OR PYJAMA | Langford & Co. Pty. Ltd., | 28 Regent St., Sydney | Address | 23m | South West |
| CLOTHING MFRS. &/OR W'SALERS — SPORTSWEAR | Langford & Co. Pty. Ltd., | 28 Regent St., Sydney | Address | 23m | South West |
| MANUFACTURERS' AGENTS | Roberts & Baker Pty. Ltd., | 28 Regent St., Sydney | Address | 23m | South West |
| MILLINERY— MANUFACTURERS &/OR WHOLESALERS | Rawson Millinery Co., | 28 Regent St., Sydney | Address | 23m | South West |
| MOTOR SERVICE STATIONS—PETROL, OIL, Etc. CITY OF SYDNEY | Automobile Central Service Club, | Cnr. George&Lee Sts., Railway Sq., Sydney | Address | 48m | North |
| CLOTHING MFRS. &/OR W'SALERS —GENERAL | Darby Clothing Pty. Ltd., | 822 George St., Sydney | Address | 54m | West |
| CLOTHING MFRS. &/OR W'SALERS —GENERAL | Monro Manufacturing Co., | 822 George St., Sydney | Address | 54m | West |
| CLOTHING MFRS. &/OR W'SALERS —LADIES' COATS & COSTUMES | Maxwell Styles Pty. Ltd., | 822 George St., Sydney | Address | 54m | West |



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| CLOTHING MFRS. & W'SALERS— MATERNITY WEAR | Monro Manufacturing Co., | 822 George St., Sydney | Address | 54m | West |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Darby Clothing Pty. Ltd., | 822 George St., Sydney | Address | 54m | West |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Melina Manufacturing Co. Pty. Ltd., | 822 George St., Sydney | Address | 54m | West |
| CLOTHING MFRS. &/OR W'SALERS —SHIRT &/OR PYJAMA | Melina Manufacturing Co. Pty. Ltd., | 822 George St., Sydney | Address | 54m | West |
| CLOTHING MFRS. &/OR W'SALERS — UNDERWEAR | Maxwell Styles Pty. Ltd., | 822 George St., Sydney | Address | 54m | West |
| MANUFACTURERS' AGENTS | Douglas Distributors Pty. Ltd., | 822 George St., Sydney | Address | 54m | West |
| PAINT, VARNISH, OILS/COLOUR MERCHANTS | Hoadley's Hardware Pty. Ltd., | 822 George St., Sydney | Address | 54m | West |
| BRASSIERE MANUFACTURERS | Berlei Ltd., | 39 Regent St., Sydney | Address | 68m | South West |
| CORSET MANUFACTURERS | Berlel Ltd., | 39 Regent St., Sydney | Address | 68m | South West |
| BURGLAR ALARM INSTALLERS | Electric Signals Pty. Ltd., | 53 Regent St., Chippendale | Address | 74m | South West |
| BURGLAR PROTECTION SYSTEMS— MFRS. &/OR WHOLESALERS | Protection Systems Pty. Ltd., | 53 Regent St., Sydney | Address | 74m | South West |
| JEWELLERS— MANUFACTURING— W'SALERS &/OR IMPORTS. | Blakey, J., | 793 George St., Sydney | Address | 82m | North |
| BILLIARDS TABLES & EQUIPMENT MFRS. &/OR DISTS. | Wood, E. B. Enterprisers, | 841 George St., Sydney | Address | 84m | West |
| CLOTHING MFRS. &/OR W'SALERS —GENERAL | Arden, L. & E., | 841 George St., Sydney | Address | 84m | West |
| CLOTHING MFRS. &/OR W'SALERS —LADIES' COATS & COSTUMES | Bel-Ayre Clothing, | 841 George St., Sydney | Address | 84m | West |
| CLOTHING MFRS. &/OR W'SALERS —LADIES' SKIRTS | White Rose Garments Pty. Ltd., | 841 George St., Sydney | Address | 84m | West |
| CLOTHING MFRS. &/OR W'SALERS —LEATHER | Kingstyle Manufacturing, | 841 George St., Sydney | Address | 84m | West |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Hertex Co. Pty. Ltd., | 841 George St., Sydney | Address | 84m | West |
| CLOTHING MFRS. &/OR W'SALERS — SPORTSWEAR | Sandy Shaw Pty. Ltd., | 841 George St., Sydney | Address | 84m | West |
| CLOTHING MFRS. &/OR W'SALERS — SPORTSWEAR | White Rose Garments Pty. Ltd., | 841 George St., Sydney | Address | 84m | West |



| CLOTHING MFRS. &/OR W'SALERS — | Tonn Pty. Ltd., Wembley Hse., | 841 George St., Sydney | Address | 84m | West |
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| UNDERWEAR | , | | | | |
| FURRIERS— MANUFACTURING &/OR WHOLESALE | Mortimer, J. Pty. Ltd., | 841 George St., Sydney | Address | 84m | West |
| GOLD EMBOSSING SPECIALISTS/GOLD STAMPERS | Senior, A. and M., | Wembley Hse., 841 George St., Sydney | Address | 84m | West |
| MANCHESTER MANUFACTURERS/ WHOLESALERS | Pick, Grace Pty. Ltd., | Wembley Hse., 841 George St., Sydney | Address | 84m | West |
| MANUFACTURERS' AGENTS | Stone, P., | 841 George St., Sydney | Address | 84m | West |
| MILLINERY— MANUFACTURERS &/OR WHOLESALERS | Junior Hats Pty. Ltd., | 841 George St., Sydney | Address | 84m | West |
| MILLINERY— MANUFACTURERS &/OR WHOLESALERS | Tonn Pty. Ltd.,. | 841 George St., Sydney | Address | 84m | West |
| PRINTERS— LETTERPRESS | Hiley, Wm., | 841 George St., Sydney | Address | 84m | West |
| BALL & ROLLER BEARINGS—MFRS. IMPS. &/OR DISTS. | Kyle Parts Company, | 11 Regent St., Sydney | Address | 87m | West |
| ADVERTISING CONTRACTORS GENERAL | Burrows, R. G. & Co., | 787 George St., Sydney | Address | 98m | North |
| ADVERTISING DISPLAY SPEC. | Burrows, R. G. & Co., | 787 George St., Sydney | Address | 98m | North |
| DISPLAY FITTINGS— MFRS. &/OR SUPPLIERS | A B C. Displays, | 787 George St., Sydney | Address | 98m | North |
| DISPLAY FITTINGS— MFRS. &/OR SUPPLIERS | Burrows, R. G.&Co., | 787 George St., Sydney | Address | 98m | North |
| DISPLAY MODEL MANUFACTURERS &/OR SUPPLIERS | A.B.C. Displays, | 787 George St., Sydney | Address | 98m | North |
| DISPLAY MODEL MANUFACTURERS &/OR SUPPLIERS | Burrows, R. G. S. Co., | 787 George St., Sydney | Address | 98m | North |
| INDUSTRIAL DESIGNERS | Burrows, R. G. & Co., | 787 George St., Sydney | Address | 98m | North |
| SCREEN PROCESS PRINTERS | Burrows, R. G. & Co., | 787 George St., Sydney | Address | 98m | North |
| SHIPPING PROVIDORES | Burrows, R. G. & Co. | 787 George St., Sydney | Address | 98m | North |
| SHOP/OFFICE FITTERS | Burrows, R. G. & Co. | 787 George St., Sydney | Address | 98m | North |
| SHOWCASE/GLASS COUNTER MFRS. | Burrows, R. G. & Co. | 787 George St., Sydney | Address | 98m | North |
| BOOT & SHOE REPAIRERS | Dicks Shoes Railway Square Pty. Ltd., | 861 George St., Sydney | Address | 106m | West |



| HARDWARE MERCHANTS— WHOLESALE | Hoadley, H. & Sons Pty. Ltd., | 863 George St., Sydney | Address | 108m | West |
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| JOINERY MANUFACTURERS | Hoadley, H.&Sons Pty. Ltd., | 863 George St., Sydney | Address | 108m | West |
| PLUMBERS' SUPPLIES | Hoadley, H. & Sons Pty. Ltd., | 863 George St., Sydney | Address | 108m | West |
| PLYWOOD MFRS./MERCHANTS | Hoadley, H. & Sons Pty. Ltd., | 863 George St., Sydney | Address | 108m | West |
| TIMBER IMPORTERS &/OR DISTRIBUTORS | Hoadley and Sons Pty. Ltd., | 863 George St., Sydney | Address | 108m | West |
| TIMBER MERCHANTS | Headley's Hardware Pty. Ltd., | 863 George St., Sydney | Address | 108m | West |
| WALLBOARD MFRS. | Hoadley, H. & Sons Pty. Ltd., | 863 George St., Sydney | Address | 108m | West |
| WALLBOARD MERCHANTS | Hoadley, H. & Sons Pty. Ltd., | 863 George St., Sydney | Address | 108m | West |
| BUILDERS' SUPPLIERS | Hoadley's Kitchen Cupboards Pty. Ltd., | 867 George St., Sydney | Address | 108m | West |
| FURNITURE—KITCHEN UNITS & CABINETS— MANUFACTURERS &/OR WHOLESALERS | Hoadley's Kitchen Cupboards Pty. Ltd., | 867 George St., Sydney | Address | 108m | West |
| HARDWARE DEALERS/IRONMONGE RS CITY OF SYDNEY | Hoadley's Kitchen Cupboards Pty .Ltd., | 867 George St., Sydney | Address | 108m | West |
| PAINT, VARNISH, OILS/COLOUR MERCHANTS | Hoadley's Kitchen Cupboards Pty. Ltd., | 867 George St., Sydney | Address | 108m | West |
| PAINTERS' SUPPLIES/REQUISITES | Hoadley's Hardware Pty. Ltd., | 867 George St., Sydney | Address | 108m | West |
| STAINLESS STEEL MANUFACTURERS &/OR SUPPLIERS | Hoadleys Kitchen Cupboards Pty. Ltd., | 867 George St., Sydney | Address | 108m | West |
| TIMBER MERCHANTS | Hoadleys Kitchen Cupboards Pty. Ltd., | 867 George St., Sydney | Address | 108m | West |
| KNIFE MFRS.— TRADESMEN'S | Pearson & McLeod Pty. Ltd., | 49 Goold St., Chippendale | Address | 114m | South West |
| MACHINE KNIFE MFRS. | Pearson&McLeod Pty. Ltd., | 49 Goold St., Chippendale | Address | 114m | South West |
| SAW/TOOL SHARPENERS | Pearson & McLeod Pty. Ltd., | 49 Goold St., Chippendale | Address | 114m | South West |
| NEWSPAPERS/PERIODI CALS | Land (The), | 59 Regent St., Sydney | Address | 114m | South West |
| NEWSPAPER PUBLISHERS | Land Newspaper Ltd., | 59 Regent St., Sydney | Address | 114m | South West |
| NEWSPAPERS/PERIODI CALS | Sales & Service Magazine Co. Pty. Ltd., | 59 Regent St., Sydney | Address | 114m | South West |
| PRINTERS— LETTERPRESS | Land Newspaper Ltd., | 59 Regent St., Sydney | Address | 114m | South West |
| PRINTERS— LITHOGRAPHIC (OFFSET) | Land Newspapers Ltd., | 59 Regent St., Sydney | Address | 114m | South West |



| NEWSPAPER PUBLISHERS | Buffalo Recorder (The), | 61 Regent St., Sydney | Address | 114m | South West |
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| NEWSPAPERS/PERIODI CALS | Buffalo Recorder (The), | 61 Regent St., Sydney | Address | 114m | South West |
| ASSAYERS | Garrat, Davidson & Matthew Pty. Ltd., | 824 George St., Sydney | Address | 115m | West |
| CHEMISTS— ANALYTICAL | Garratt, Davidson & Matthew Pty. Ltd., | 824 George St., Sydney | Address | 115m | West |
| DENTAL SUPPLIES & EQUIP. | Matthey Garrett Pty. Ltd., | 824 George St., Sydney | Address | 115m | West |
| ELECTROPLATERS' SUPPLIES | Matthey, Garrett Pty. Ltd., | 824 George St., Sydney | Address | 115m | West |
| FLUX MANUFACTURERS | Matthey Garrett Pty. Ltd., | 824 George St., Sydney | Address | 115m | West |
| METAL REFINERS | Matthey Garrett Pty. Ltd., | 824 George St., Sydney | Address | 115m | West |
| METALLURGISTS | Garratt Davidson & Matthew Pty. Ltd., | 824 George St., Sydney | Address | 115m | West |
| CHEMISTS— PHARMACEUTICAL | Hammond, F. A., | 775 George St., Sydney | Address | 117m | North |
| RADIO &/OR RADIOGRAM MFRS. | Radio Despatch Service Pty. Ltd., | 869 George St., Sydney | Address | 119m | West |
| RADIO &/OR T.V. COMPONENT PARTS DEALERS | Radio Despatch Service Pty. Ltd., | 869 George St., Sydney | Address | 119m | West |
| RADIO &/OR TELEVISION COMPONENT PARTS MFRS. | Radio Despatch Service Pty. Ltd., | 869 George St., Sydney | Address | 119m | West |
| RADIO &/OR TELEVISION SALES & SERVICEMEN | Radio Despatch Service Pty. Ltd , | 869 George St., Sydney | Address | 119m | West |
| BOND & FREE STORES | Sydney Cold Stores, | 702 Harris St., Ultimo | Address | 121m | North West |
| COLD STORES | Sydney Cold Stores Ltd., | 702 Harris St., Ultimo | Address | 121m | North West |
| MOTOR PARKING STATIONS | Glaciarium Car Park, | 702 Harris St., Ultimo | Address | 121m | North West |
| COLD STORES | THE SYDNEY COLD STORES LIMITED | 702-730 HARRIS STREET, ULTIMO | Address | 121m | North West |
| FOODS—FROZEN— SPECIALISTS | Australian Food Distributors Pty. Ltd., | 726 Harris St., Ultimo, 2007 | Address | 121m | North West |
| SHIPPING PROVIDORES | Australian Food Distributors Pty. Ltd. | 726 Harris St., Ultimo | Address | 121m | North West |
| AMMUNITION & EXPLOSIVES DISTS. | Smith, Mick Pty. Ltd., | 773 George St., Sydney | Address | 130m | North |
| GUNSMITHS | Smith, M. Pty. Ltd., | 773 George St., Sydney | Address | 130m | North |
| GUNSMITHS' SUPPLIES | Smith, Mick Pty. Ltd., | 773 George St., Sydney | Address | 130m | North |



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| SPORTS GOODS W'SALERS | Smith, Mick Pty. Ltd., | 773 George St., Sydney | Address | 130m | North |
| CHEMICAL IMPORTERS &/OR DISTRIBUTORS | Australian Merchants & Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| CORK & CORKBOARD MFRS. &/OR MERCHANTS | Australian Merchants&Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| FOOD IMPORTERS | Australian Merchants&Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| FOOD PROCESSING MACH. MFRS./ DEALERS | Australian Merchants&Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| MANUFACTURERS' AGENTS | Australian Merchants & Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| REFRACTORY MATERIALS MFRS &/OR SUPPLIERS | Australian Merchants & Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| REFRIGERATOR CABINET MFRS. &/OR REPAIRERS | Australian Merchants & Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| STEEL IMPORTERS | Australian Merchants & Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| TINPLATE IMPORTERS &/OR MERCHANTS | Australian Merchants A Shippers Pty. Ltd., | 17 Valentine St., Sydney | Address | 140m | North |
| PLEATING SPECIALISTS | Clarke & Miles, | 21 Valentine St., Sydney | Address | 140m | North |
| OFFICE EQUIPMENT MFRS./ DISTRIBUTORS | A. K. A. Office Supply Co. Pty. Ltd., | 812 George St., Sydney | Address | 172m | North |
| OFFICE FILING SYSTEM MFRS. &/OR DISTRIBUTORS | A. K. A. Office Supply Co. Pty. Ltd., | 812 George St., Sydney | Address | 172m | North |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Leichester Productions Pty. Ltd., | 757 George St., Sydney | Address | 174m | North |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Ruttex Pty. Ltd., | 757 George St., Sydney | Address | 174m | North |
| CLOTHING MFRS. &/OR W'SALERS —SHIRT &/OR PYJAMA | Ruttex Pty. Ltd., | 757 George St., Sydney | Address | 174m | North |
| BUTTER MFRS. &/OR W'SALERS | Dairy Farmers Co-operative Ltd., | 700 Harris St., Ultimo | Address | 181m | North West |
| COLD STORES | Dairy Farmers Co-op. Milk Co. Ltd., | 700 Harris St., Ultimo | Address | 181m | North West |
| DAIRY PRODUCE MERCHANTS | Dairy Farmers Co-operative Ltd., | 700 Harris St., Ultimo | Address | 181m | North West |
| MILK PRODUCTS MFRS | Dairy Farmers' Co-op. Milk Coy. Ltd., | 700 Harris St., Ultimo | Address | 181m | North West |
| BOX & CASE MERCHANTS &/OR MANUFACTURERS | Producers Co-operative Distributing Society Ltd., | Quay & Valentine Sts. | Address | 192m | North |
| BUTTER MFRS. &/OR W'SALERS | Producers' Co-operative Distributing Society Ltd., | Valentine & Quay Sts. | Address | 192m | North |



| CANNERS & CANNED FOOD SPECIALISTS | Producers' Co-operative Distributing Society Ltd., | Valentine & Quay Sts. | Address | 192m | North |
|--|---|---------------------------------------|---------|------|-------|
| CHEESE MFRS. &/OR DISTS. | Producers' Co-operative Distributing Society Ltd., | Valentine & Quay Sts. | Address | 192m | North |
| DAIRY MACHINE MANUFACTURERS &/OR DEALERS | Producers' Co-operative Distributing Society Ltd., | Cnr. Valentine & Quay Sts., Sydney | Address | 192m | North |
| DAIRY PRODUCE MERCHANTS | Producers' Co-operative Distributing Society Ltd., | Valentine & Quay Sts., Sydney | Address | 192m | North |
| FOOD EXPORTERS | Producers' Co-operative Distributing Society Ltd., | Valentine&Quay Sts., Sydney | Address | 192m | North |
| FOOD PROCESSORS/PACKER S | Producers' Co-operative Distributing Society Ltd., | Cnr. Valentine & Quay Sts. | Address | 192m | North |
| FRUIT, VEGETABLE, POTATO & PRODUCE AGENTS &/OR W'SALERS | Producers Co-op. Dist. Society Ltd., | Quay & Valentine St., Sydney | Address | 192m | North |
| MANUFACTURERS' AGENTS | Malco Agency (The), | Cnr. Quay & Valentine Sts., Sydney | Address | 192m | North |
| OILS—EDIBLE— MERCHANTS | Producers Co-operative Distributing Society Ltd., | Quay&Valentine Sts., Sydney | Address | 192m | North |
| PRODUCE MERCHANTS—GRAIN & SEED —RETAIL | Producers Co-operative Distributing Society Ltd., | Quay&Valentine Sts., Sydney | Address | 192m | North |
| SHIP OWNERS | Maico Agency (The). | Cnr. Quay & Valentine Sts., Sydney | Address | 192m | North |
| SHIPPING PROVIDORES | Producers Co-operative Distributing Society Ltd. | Cnr. Quay & Valentine Sts., Sydney | Address | 192m | North |
| BOOT & SHOE LACE MFRS. | Westheimer, I. Pty. Ltd., | 804 George St., Sydney | Address | 195m | North |
| BOOT & SHOE POLISH & CLEANER MANUFACTURERS | Waproo Shoe Polishes & Cleaners, | 804 George St. , Sydney | Address | 195m | North |
| BOOT & SHOE POLISH & CLEANER MANUFACTURERS | Westheimer, I. Pty. Ltd., | 804 George St. , Sydney | Address | 195m | North |
| BOOT & SHOE REPAIRERS' MACHINERY SUPPLIES | Westhelmer, I. Pty. Ltd., | 804 George St. , Sydney | Address | 195m | North |
| DISPLAY FITTINGS— MFRS. &/OR SUPPLIERS | Westheimer, I. Pty. Ltd., | 804 George St. , Sydney | Address | 195m | North |
| FOOTWEAR MFRS., REPAIRERS &/OR SUPPLIERS | WESTHEIMER I PTY LTD | 804 George St Sydney, 2000 | Address | 195m | North |
| FOOTWEAR MFRS., REPAIRERS &/OR SUPPLIERS | Taylors Supplies Pty. Ltd., | 804 George St Sydney, 2000 | Address | 195m | North |
| FOOTWEAR WHOLESALERS &/OR DISTRIBUTORS | Westheimer, I. Pty. Ltd., | 804 George St Sydney, 2000 | Address | 195m | North |
| HARDWARE MERCHANTS— WHOLESALE | Westheimer, I. Pty. Ltd., | 804 George St. , Sydney | Address | 195m | North |



| LAMBS WOOL PRODUCTS MFRS. | Westhelmer, I. Pty. Ltd., | 804 George St. , Sydney | Address | 195m | North |
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| MANUFACTURERS' AGENTS | Westheimer, I. Pty. Ltd., | 804 George St. , Sydney | Address | 195m | North |
| POLISHING EQUIPMENT MFRS. | Westhelmer. I. Pty. Ltd., | 804 George St. , Sydney | Address | 195m | North |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Maxtons, 21 | Valentine St., Sydney | Street | | |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Town Talk Ties Pty. Ltd., | Regent St., Sydney | Street | | |
| CLOTHING MFRS. &/OR W'SALERS — UNIFORMS & SMOCKS | Bishop & White Pty. Ltd., | 1 Lee St., Railway Square, Sydney | Street | | |
| KITCHENWARE MFRS. | Tatham Cutlery Manufacturing Co. Pty. Ltd., | 1 Lee St., Sydney | Street | | |
| METAL SPINNERS | Sanders, W. J. Pty. Ltd., | 1 Lee St., Sydney | Street | | |
| METAL WORKERS— GENERAL | Sanders, W. J. Pty. Ltd., | 1 Lee St., Sydney | Street | | |
| SHEET METAL WORKERS | Sanders, W. J. Pty. Ltd., | 1 Lee St., Sydney | Street | | |
| SILVERSMITHS | SANDERS W J PTY LTD | Brock Hse., 1 Lee St., Sydney, 2000 | Street | | |
| CLOTHING MFRS. &/OR W'SALERS —MEN'S &BOYS' WEAR | Consul Distributing Co. Pty. Ltd., | 11 Valentine St., Sydney | Street | | |
| SHOP/OFFICE FITTERS | Johnson, G. H. | 13 Valentine St., Sydney | Street | | |

^{*} If no distance is provided, address no longer exists.

| Activity | Name | Address | Positional accuracy | Distance (m) * | Direction |
|--|--|----------------------------------|---------------------|----------------|-----------|
| Clothing-Dress Mfrs. &/or W'salers | Clothes Horse Pty Ltd | 818 George Street, Sydney | Address | 20m | West |
| Electrical Accessories - Mfrs &/or W'salers | Wadey Walter & Co Pty Ltd | 6 Little Regent Street, Sydney | Address | 20m | West |
| Clothing-Dress Mfrs. &/or W'salers | Slimline Fashions | 12 Little Regent Street , Sydney | Address | 20m | West |
| Folding Machines | Faltex Folding Machines - Graphic Imports Pty Ltd | 12 Little regent Street , Sydney | Address | 20m | West |
| Machinery-Printing | Graphic Imports Pty Ltd | 12 Little Regent Street , Sydney | Address | 20m | West |
| Mailing Machines &/or Equipment | Graphic Imports Pty Ltd | 12 Little Regent Street , Sydney | Address | 20m | West |
| Printers - Lithographic | Witton Press Pty Ltd | 12 Little Regent Street, Sydney | Address | 20m | West |



| Textile Merchants &/or Mills | Du'Kiss Smart Fabrics Pty Ltd | 12 Little Regent Street, Sydney | Address | 20m | West |
|--|------------------------------------|---------------------------------|---------|-----|---------------|
| Printers - Letterpress | Cooney & Cooney Pty Ltd | 28 Regent Street, Sydney | Address | 23m | South West |
| Clothing-Children's Wear Mfrs. &/or W'salers | Wolseley Trading Co | 28 Regent Street, Sydney | Address | 23m | South West |
| Clothing-Men's & Boys' Wear Mfrs. &/or Wholesalers | Fine Line (Exclusive) | 28 Regent Street, Sydney | Address | 23m | South West |
| Clothing-Neckwear & Scarf Mfrs. &/or Wholesalers | Roberts & Baker Pty Ltd | 28 Regent Street, Sydney | Address | 23m | South West |
| Clothing-Neckwear & Scarf Mfrs. &/or Wholesalers | Town Talk Ties | 28 Regent Street, Sydney | Address | 23m | South West |
| Clothing-Neckwear & Scarf Mfrs. &/or Wholesalers | Viking Ties | 28 Regent Street, Sydney | Address | 23m | South West |
| Clothing-Shirt, Collar & Pyjama Mfrs. &/or Wholesalers | Carr Clothing Co Pty Ltd | 28 Regent Street, Sydney | Address | 23m | South West |
| Blasting Mats | Coulter H C Pty Ltd | 32 Regent Street, Sydney | Address | 23m | South West |
| Printers - Small Offset | Witton Press Pty Ltd | 12 Little Regent Street, Sydney | Address | 27m | West |
| Clothing-Dress Mfrs. &/or W'salers | Maxwell Styles Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Clothing-Ladies' Suit Mfrs. &/or W'salers | Maxwell Styles Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Clothing-Men's & Boys' Wear Mfrs. &/or Wholesalers | Darby Clothing Co | 822 George Street, Sydney | Address | 54m | West |
| Clothing-Shirt, Collar & Pyjama Mfrs. &/or Wholesalers | Kent Productions Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Jewellery-Artificial-Mfrs. &/or W'salers | Jayson Traurig Bros Pty Ltd | 822 George Street, Sydney | Address | 54m | West |
| Printers - Letterpress | Koala Instant Printing Pty Ltd | 825 George Street, Sydney | Address | 64m | North West |
| Printers - Small Offset | Koala Instant Printing Pty Ltd | 825 George Street, Sydney | Address | 64m | North West |
| Clothing-Foundation Garment Mfrs. &/or W'salers | Berlei | 39 Regent Street, Sydney | Address | 68m | South West |
| Clothing-Foundation Garment Mfrs. &/or W'salers | Hestia Distributors | 39 Regent Street, Sydney | Address | 68m | South West |
| Clothing-Underclothing Mfrs. &/or Wholesalers | Berlei Ltd | 39 Regent Street, Sydney | Address | 68m | South West |
| Sewing Threads | Shakespeare (Australia) Pty Ltd | 15 Regent Street, Sydney | Address | 69m | South West |
| Fire Protection Appliances & Engineers | Electric Signals Pty Ltd | 53 Regent Street, Sydney | Address | 74m | South West |



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| Locks-Mfrs. &/or Distributors | Card Key Systems (Aust) Pty Ltd | 53 Regent Street, Chippendale | Address | 74m | South West |
| Jewellers-Mfrg. &/or W'sale | Blakey J | 793 George Street, Sydney | Address | 82m | North |
| Printers - Letterpress | Hiley W | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Children's Wear Mfrs. &/or W'salers | Tom Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Dress Mfrs. &/or W'salers | Bel Ayre Clothing | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Dress Mfrs. &/or W'salers | Leesa Fashions | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Dress Mfrs. &/or W'salers | Lucele Frocks Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Dress Mfrs. &/or W'salers | Rhubarbs | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Sportswear- Men's-Mfrs. &/or Wholesalers | Pollo Casual & Sportswear | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Sportswear- Men's-Mfrs. &/or Wholesalers | Valiant Clothing Manufacturing & Distributing Co | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Sportswear- Women's- Mfrs. &/or Wholesalers | Edgell Kirkwood Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Sportswear- Women's- Mfrs. &/or Wholesalers | Leesa Fashions | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Sportswear- Women's- Mfrs. &/or Wholesalers | Sandy Shaw Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Sportswear- Women's- Mfrs. &/or Wholesalers | Tom Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Curtains-Mfrs. &/or Wholesalers | Peterson R&Co | 841 George Street, Sydney | Address | 84m | West |
| Clothing-Dress Mfrs. &/or W'salers | Twin Models | 841 George Street, Sydney | Address | 84m | West |
| Knitting Wool Mfrs. &/or W'salers | Panda Yarns Pty Ltd | 841 George Street, Sydney | Address | 84m | West |
| Tailors-Manufacturing | Kingstyle Tailoring | 841 George Street, Sydney | Address | 84m | West |
| Advertising-General | Genelex & Assets Advertising Agencies | 787 George Street, Sydney | Address | 98m | North |
| Display & Exhibition Equipment & Supplies | Burrows R G & Co | 787 George Street, Sydney | Address | 98m | North |
| Printers - Letterpress | Barton Press Pty Ltd | 49 Goold Street, Chippendale | Address | 114m | South West |
| Publishers | Breda Publications Pty Ltd | 49 Goold Street, Chippendale | Address | 114m | South West |
| Publishers | Dama Enterprises Pty Ltd | 49 Goold Street, Chippendale | Address | 114m | South West |



| | I | | | ı | 1 |
|---|---|---------------------------------------|---------|------|---------------|
| Publishers | Jarnell Technical Publications Pty Ltd | 49 Goold Street, Chippendale | Address | 114m | South West |
| Publishers | Ramon Publications Pty Ltd | 49 Goold Street, Chippendale | Address | 114m | South West |
| Merchants-General | Leo Trading Co | 779 George Street, Sydney | Address | 117m | North |
| Radio Distributors- Wholesale | Radio Despatch Service | 869 George Street, Sydney | Address | 119m | West |
| Carriers Heavy | Traynor Paul | 702 Harris, Ultimo | Address | 121m | North West |
| Exporters | Hutchison S & Co Pty Ltd | Rear 702 Harris Street , Ultimo | Address | 121m | North West |
| Fish-W'sale | Australian Food Distributors Pty Ltd | 702 Harris Street , Ultimo | Address | 121m | North West |
| Frozen Foods-Mfrs. &/or W'salers | Australian Food Distributors Pty Ltd | 702 Harris Street , Ultimo | Address | 121m | North West |
| Meat Exporters | Hutchison S & Co Pty Ltd | Rear 702 Harris Street , Ultimo | Address | 121m | North West |
| Meat Exporters | Laga Meat Industries | 702 Harris Street , Ultimo | Address | 121m | North West |
| Storage-Cold | Sydney Cold Stores Ltd The | 702 Harris Street, Ultimo | Address | 121m | North West |
| Frozen Foods-Mfrs. &/or W'salers | Simonson S & Co Pty Ltd | 702 Harris Street, Sydney | Address | 121m | North West |
| Guns & Gunsmiths | Colonial Gun Shop | 16b Quay Street, Sydney | Address | 123m | North |
| Guns & Gunsmiths | Petzl H | 16b Quay Street, Sydney | Address | 123m | North |
| Guns & Gunsmiths | Smith's Sports Store Pty Itd | 773 George Street, Sydney | Address | 130m | North |
| Sporting Goods-Mfrs. &/or Wholesalers | Mick Smith Pty Ltd | 773 George Street, Sydney | Address | 130m | North |
| Steel Merchants | Australian Merchants & Shippers Pty Ltd | 17 Valentine Street, Sydney | Address | 140m | North |
| Clothing-Uniforms-Mfrs. &/or Wholesalers | Segrave Pty Ltd | 810 George Street, Sydney | Address | 172m | North |
| Staioners-Mfrg. &/or Wholesale | A.K.A. Office Supply Co Pty Ltd | 812 George Street, Sydney | Address | 172m | North |
| Steel Shelving & Steel Cupboards | A.K.A. Office Supply Co Pty Ltd | 812 George Street, Sydney | Address | 172m | North |
| Butchers-W'sale | Producers' Co-operative Distributing Society Ltd The | Quarry & Valentine Streets, Sydney | Address | 192m | North |
| Butter Mfrs. &/or W'salers | Allowrie Products Pty Itd | Quay & Valentine Streets, Sydney | Address | 192m | North |
| Cheese Mfrs. | Producers' Co Operative Distributing Society Ltd The | Quay & Valentine Streets , Sydney | Address | 192m | North |
| Dairy Produce-W'sale | Producers' Co-Operative Distributing Society Ltd The | Quay & Valentine Streets, Sydney | Address | 192m | North |
| Fruit Exporters | Producers' Co-Operative Distributing Society Ltd The | Quarry & Valentine Streets, Sydney | Address | 192m | North |



| Produce Merchants- Wholesale | Producers' Co-operative Distributing Society Ltd The | Quay & Valentine Streets, Sydney | Address | 192m | North |
|--|---|-------------------------------------|---------|------|-------|
| Clothing-Shirt, Collar & Pyjama Mfrs. &/or Wholesalers | Country Club Pty Ltd | George Street, Sydney | Street | | |
| Curtains-Mfrs. &/or Wholesalers | Rene Fabrics Pty Ltd | George Street, Sydney | Street | | |
| Publishers | Anzea Publishers Ltd | 1 Lee Street, Sydney | Street | | |

^{*} If no distance is provided, address no longer exists.

| Activity | Name | Address | Positional accuracy | Distance (m) * | Direction |
|---|--|------------------------------|---------------------|----------------|-----------|
| Clothing - Blouse Mfrs. &/or W'salers | Atlas Garments Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Clothing - Dress Mfrs. &/or W'salers | Slimline Fashions | 12 Little Regent St., Sydney | Address | 20m | West |
| Clothing - Sportswear - Women's - Mfrs ∨ W'salers | Liztex Clothing | 12 Little Regent St., Sydney | Address | 20m | West |
| Collating Equipment | Graphic Imports Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Duplicating Machines &/or Supplies | Graphic Imports Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Folding Machines | Faltex Folding Machines (Graphic Imports Pty Ltd) | 12 Little Regent St., Sydney | Address | 20m | West |
| Photo Copies &/or Copying Equipment | Studio Commercial Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Photographers- Advertising & Fashion | Samantha Photos | 12 Little Regent St., Sydney | Address | 20m | West |
| Photographers- Advertising & Fashion | Studio Commercial Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Photographers- Commercial & Industrial | Studio Commercial Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| PhotographersGeneral | Command Photography | 12 Little Regent St., Sydney | Address | 20m | West |
| PhotographersGeneral | Studio Commercial Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Printers - General | Witton Press Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Printers - Lithographic | Witton Press Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Printers Supplies & Services | Graphic Imports Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Printing Machinery | Graphic Imports Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |
| Staples & Stapling Equipment | Graphic Imports Pty Ltd | 12 Little Regent St., Sydney | Address | 20m | West |



| Clothing - Men's & Boys' Wear Mfrs &/or W'salers | Fine Line (Exclusive) | 28 Regent St., Sydney | Address | 23m | South West |
|---|--|----------------------------|---------|-----|---------------|
| Printers - General | Cooney & Cooney Pty Ltd | 28 Regent St., Sydney | Address | 23m | South West |
| Knitted GoodsMfrs. &/or W'salers | Coopers Knitwear Pty Ltd | 28 Regent St., Chippendale | Address | 23m | South West |
| Printers - General | Unification Printers & Publishers Pty Ltd | 28 Regent St., Chippendale | Address | 23m | South West |
| Clothing - Belts - Apparel - Mfrs. &/or W'salers | House of Hughes | 34 Regent St., Chippendale | Address | 23m | South West |
| Jewellery Artificial Mfrs. &/or W'salers | Mara Fashion Accessories | 34 Regent St., Chippendale | Address | 23m | South West |
| Ladies' Handbags - Mfrs, &/or W'salers | Favon Enterprises | 24 Regent St., Chippendale | Address | 27m | West |
| Audio Visual Equipment & Productions | Bond Colour A-One Pty Ltd | 10 Regent St., Sydney | Address | 49m | West |
| Photo Finishing | Bond Colour A-One Pty Ltd | 10 Regent St., Sydney | Address | 49m | West |
| Photo Retouching | Bond Colour A-One Pty Ltd | 10 Regent St., Sydney | Address | 49m | West |
| Photographers- Commercial & Industrial | Bond Colour A-One Pty Ltd | 10 Regent St.,Sydney | Address | 49m | West |
| PhotographersGeneral | Bond Colour A-One Pty Ltd | 10 Regent St., Sydney | Address | 49m | West |
| Photographic Colour Processing p1266 | Bond Colour A-One Pty Ltd | 10 Regent St., Sydney | Address | 49m | West |
| Slides &/or Film Strips | Bond Colour A-One Pty Ltd | 10 Regent St., Sydney | Address | 49m | West |
| Clothing - Dress Mfrs. &/or W'salers | Adam & Eve Garments Pty Ltd | 822 George St., Sydney | Address | 54m | West |
| Clothing - Men's & Boys' Wear Mfrs &/or W'salers | Darby Clothing Co | 822 George St., Sydney | Address | 54m | West |
| Jewellery Artificial Mfrs. &/or W'salers | Jayson Traurig Bros Pty Ltd | 822 George St., Sydney | Address | 54m | West |
| Chemists - Pharmaceutical | Railway Square Pharmacy | 825 George St., Sydney | Address | 64m | North West |
| Printers - General | Koala Instant Printing Pty Ltd | 825 George St., Sydney | Address | 64m | North West |
| Floor Coverings | Camberg Carpets | 805 George St., Sydney | Address | 65m | North |
| Clothing - Foundation Garments - Mfrs &/or W'salers | Berlei | 39 Regent St., Sydney | Address | 68m | South West |
| Clothing - Foundation Garments - Mfrs &/or W'salers | Hestia Distributors | 39 Regent St., Sydney | Address | 68m | South West |
| Clothing - Lingerie & Sleepwear Mfrs &/or W'salers | Osti Lingerie | 39 Regent St., Sydney | Address | 68m | South West |



| Clothing - Underclothing Mfrs. &/or W'salers | Berlei Hestia Industries Ltd | 39 Regent St., Sydney | Address | 68m | South West |
|---|--|----------------------------|---------|-----|---------------|
| Fire Protection Equipment & Consultants | Electric Signals Pty Ltd | 53 Regent St., Sydney | Address | 74m | South West |
| Burglar Alarm Systems | Bankstown Signals | 53 Regent St., Chippendale | Address | 74m | South West |
| Burglar Alarm Systems | Guardian Burglar Alarm Co | 53 Regent St., Chippendale | Address | 74m | South West |
| Burglar Alarm Systems | Wormald Security | 53 Regent St., Chippendale | Address | 74m | South West |
| Television Systems - Closed Circuit | Wormald Security | 53 Regent St., Chippendale | Address | 74m | South West |
| Builders & Contractors | Warczak Enterprises Pty Ltd | 793 George St., Sydney | Address | 82m | North |
| Builders & Contractors | Warczak Nominees Pty Ltd | 793 George St., Sydney | Address | 82m | North |
| Camping Equipment | King D Pty Ltd | 793 George St., Sydney | Address | 82m | North |
| Dental Laboratories | Central Dental Laboratory | 793 George St., Sydney | Address | 82m | North |
| Clothing - Men's & Boys' Wear Mfrs &/or W'salers | Littman Bros Pty Ltd | 841 George St., Sydney | Address | 84m | West |
| Clothing - Sportswear - Men's - Mfrs ∨ W'salers | Pollo Sportswear | 841 George St., Sydney | Address | 84m | West |
| Clothing - Sportswear - Men's - Mfrs ∨ W'salers | Valiant Clothing Manufacturing & Distributing | 841 George St., Sydney | Address | 84m | West |
| Clothing - Sportswear - Women's - Mfrs ∨ W'salers | Leesa Fashions | 841 George St., Sydney | Address | 84m | West |
| Clothing - Sportswear - Women's - Mfrs ∨ W'salers | Sandy Shaw Pty Ltd | 841 George St., Sydney | Address | 84m | West |
| Electric Clocks &/or Repairs | Chown & Power Pty Ltd | 841 George St., Sydney | Address | 84m | West |
| gold & foil stamping | Senior Goldstampers Pty Ltd | 841 George St., Sydney | Address | 84m | West |
| Ladies' Handbags - Mfrs, &/or W'salers | Oliphant Judook Handbags | 841 George St., Sydney | Address | 84m | West |
| Clothing - Dress Mfrs. &/or W'salers | Jaques Dolour Pty Ltd | 11 Regent St., Chippendale | Address | 87m | West |
| Clothes Hanger Mfrs. &/or W'salers | A.B.C. Displays | 787 George St., Sydney | Address | 98m | North |
| Display & Exhibition Equipment & Supplies | A B C Displays | 787 George St., Sydney | Address | 98m | North |
| Name Plates | A B C Displays | 787 George St., Sydney | Address | 98m | North |
| Racks & Stands | A B C Displays | 787 George St., Sydney | Address | 98m | North |



| tube Bending | A B C Display | 787 George St., Sydney | Address | 98m | North |
|---|---|---------------------------------------|---------|------|---------------|
| Printers - General | Barton Press Pty Ltd | 49 Goold St., Chippendale | Address | 114m | South West |
| Bond & Free Stores | Sydney Cold Stores Ltd The | 702 Harris St., Ultimo | Address | 121m | North West |
| Fish - W'sale | A F D (Australian Food Distributors Pty Ltd) | 702 Harris St., Ultimo | Address | 121m | North West |
| Fish - W'sale | Australian Food Distributors Pty Ltd | 702 Harris St., Ultimo | Address | 121m | North West |
| Frozen Foods - Mfrs. &/or W'salers | Australian Food Distributors Pty Ltd | 702 Harris St., Ultimo | Address | 121m | North West |
| Fish - W'sale | Smith & Reader Seafoods Pty Ltd | 726 Harris St., Ultimo | Address | 121m | North West |
| Frozen Foods - Mfrs. &/or W'salers | Smith & Reader Seafoods Pty Ltd | 726 Harris St., Ultimo | Address | 121m | North West |
| Guns & Ammunition | Colonial Gun Shop | 16b Quay St., Sydney | Address | 123m | North |
| Guns & Ammunition | Petzl H | 16b Quay St., Sydney | Address | 123m | North |
| Guns & Ammunition | Smith's Sports Store Pty Ltd | 773 George St., Sydney | Address | 130m | North |
| Clothing - Uniforms - Mfrs &/or W'salers | Segraves Menswear Pty Ltd | 810 George St., Sydney | Address | 172m | North |
| Office & Business Systems | A K A Office Supply Co Pty Ltd | 812 George St., Sydney | Address | 172m | North |
| Newspapers - General | Direct Action Newspaper | 757 George St., Sydney | Address | 174m | North |
| Seedsmen | PDS Co-Operative Ltd | Cnr. Quay & Valentine St., Sydney | Address | 192m | North |
| Butter Mfrs. &/or W'salers | P.D.S. Co-operative Ltd | Cnr. Quay & Valentine Sts., Sydney | Address | 192m | North |
| Cheese Mfrs. &/Or W'salers | P.D.S. Co-Operative Ltd | Cnr. Quay & Valentine Sts., Sydney | Address | 192m | North |
| Chemicals - Agricultural | P.D.S. Co-Operative Ltd | Cnr. Quay & Valentine Sts., Sydney | Address | 192m | North |
| Fishing Tackle | P D S Co-Operative Ltd | Cnr. Quay & Valentine Sts., Sydney | Address | 192m | North |
| Clothing - Sportswear - Women's - Mfrs ∨ W'salers | Country Road Clothing Co Pty Ltd | George St., Sydney | Street | | |
| Ambulances | Central District Ambulance Transport | Quay St., Sydney | Street | | |
| Parking Stations | Kings Parking Co (NSW) Pty Ltd | Quay St., Railway Square, Sydney | Street | | |
| Lighting | Atlanta Products | 1 Lee St., Sydney | Street | | |
| PhotographersGeneral | Dory John Photographics | 1 Lee St., Sydney | Street | | |



| Ladies' Handbags - Mfrs, &/or W'salers | Carleton Bros | 14 Little Regent St., Sydney | Street | | |
|---|---------------|------------------------------|--------|--|--|
|---|---------------|------------------------------|--------|--|--|

^{*} If no distance is provided, address no longer exists.

| Activity | Name | Address | Positional accuracy | Distance (m) * | Direction |
|--|-----------------------------------|-------------------------------|---------------------|----------------|---------------|
| Panel Beaters &/or Painters | Broadway Car Repairs | 6 Little Regent, Chippendale | Address | 20m | West |
| Photographers - Commercial & Industrial | Focuscenic Photo Service | 32 Regent Street, Chippendale | Address | 23m | South West |
| Dental Laboratories | Dental Services (Aust) Pty Ltd | 10 Regent Street, Sydney | Address | 49m | West |
| Chemists- Pharmaceutical | Central Plaza Pharmacy | 815 George Street, Sydney | Address | 64m | North West |
| Newspapers - General | Austin D F Publishing Pty Ltd | 35 Regent Street, Chippendale | Address | 67m | South West |
| Materials Handling Consultants | GhdPlanner West | 39 Regent Street, Sydney | Address | 68m | South West |
| Mechanical Engineers | Ghd Planner West | 39 Regent Street, Sydney | Address | 68m | South West |
| Burglar Alarm Systems | Bankstown Signals | 53 Regent Street, Chippendale | Address | 74m | South West |
| Burglar Alarm Systems | Wormald Security | 53 Regent Street, Chippendale | Address | 74m | South West |
| Guard & Patrol Services | Wormald Security | 53 Regent Street, Chippendale | Address | 74m | South West |
| Building Contractors | Warczak Enterprises Pty Ltd | 793 George Street, Sydney | Address | 82m | North |
| Building Contractors | Warczak Nominees Pty Ltd | 793 George Street, Sydney | Address | 82m | North |
| Courier Services | D C Combined Floral Couriers | 793 George Street, Sydney | Address | 82m | North |
| Dental Laboratories | Central Dental Laboratory | 793 George Street, Sydney | Address | 82m | North |
| Publishers - Book | Melting Pot Press | 732 Harris Street, Ultimo | Address | 91m | West |
| Publishers - Magazines & Periodicals | Fairfax John Merchandising | 57 Regent Street, Chippendale | Address | 114m | South West |
| Printers - General | Barton Press Pty Ltd | 49 Goold, Chippendale | Address | 114m | South West |
| Publishers - Magazines & Periodicals | Bell Publications | 49 Goold Street, Chippendale | Address | 114m | South West |
| Publishers - Magazines & Periodicals | Drama Enterprises | 49 Goold Street, Chippendale | Address | 114m | South West |
| Publishers - Magazines & Periodicals | Kylmeen Pty Ltd | 49 Goold Street, Chippendale | Address | 114m | South West |



| Publishers - Magazines & Periodicals | Pegasus Publishing Co | 49 Goold Street, Chippendale | Address | 114m | South West |
|---|--|---|---------|------|---------------|
| Guns & Ammunition | Colonial Gun Shop | 16 Quay Street, Sydney | Address | 123m | North |
| Guns & Ammunition | Smith's Sports Store Pty Ltd | 773 George Street, Sydney | Address | 130m | North |
| Advertising General | F.C.B. | 10 Quay Street, Haymarket | Address | 132m | North |
| Advertising General | Foote Cone & Belding Pty Ltd | 10 Quay Street, Haymarket | Address | 132m | North |
| Laminating Services &/Or Equipment | Masterpiece Pictures Pty Ltd | 767 George Street, Sydney | Address | 137m | North |
| Picture Frames &/Or Picture Restorations | Masterpiece Pictures Pty Ltd | 767 George Street, Sydney | Address | 137m | North |
| Fertilizers | A.B.O. Fertilizers | 67 Regent Street, Chippendale | Address | 153m | South West |
| Fertilizers | Paton Bruns & Co | 67 Regent, Chippendale | Address | 153m | South West |
| Publishers - Book | Rutland Cowling-Smith Associates | 67 Regent Street, Chippendale | Address | 153m | South West |
| Clothing-Uniforms-Mfrs &/Or W'Salers | One Stop Uniform Shop | 810 George Street, Sydney | Address | 172m | North |
| Medals &/Or Medal Mounting | A Medal Mounting Service | 810 George Street, Sydney | Address | 172m | North |
| Office Funiture Reconditioning &/Or Repair Services | A.K.A. Office Suppl Co (Aust) Pty Ltd | 812 George Street, Sydney | Address | 172m | North |
| Fish & Seafoods - W'Sale | Marine Product Marketing Pty Ltd | 759 George Street, Sydney | Address | 174m | North |
| Importers &/Or Imported Products | Nichirel Australia Pty Ltd | 759 George Street, Sydney | Address | 174m | North |
| Guns & Ammunition | Armoury The | 1st Floor, 804 George Street, Sydney | Address | 195m | North |
| PhotoGraphers - Advertising & Fashion | Tynan Judy Ann | 1 Lee Street, Sydney | Street | | |

^{*} If no distance is provided, address no longer exists.

Land Insight and Resources use a number of different address georeferencing methods and characterised them according to the following criteria: completeness (match rates) and positional accuracy. When address do not contain specific street numbers or a match is not found, records identified as being in the surrounding areas are included for reference.

Historical dataset positional accuracy and georeferencing results explanation

| Positional accuracy | Georeferenced | Description |
|---------------------|---|---|
| Address | Located to the address level | When street address and names fully matched. |
| Street | Located to the street alignment | When street names match but no exact address was found. Location is approximate. |
| Place | Located to the structure, building or complex | When building, residential complex or structure name match but no exact address was found. Location is approximate. |
| Suburb | Located to the suburb area | When suburb name match but no exact address was found. Location is approximate. |
| Not georeferenced | Not found | When it was not georeferenced, and address could not be found. |



Section 3 - Other Environmental Constraints

3.1 FEDERAL, STATE AND LOCAL HERITAGE

Map 9 (200m Buffer)

Local Environment Plan (LEP) Heritage

| Site Name | Site ID | Significance | Туре | Distance (m)* | Direction |
|--|---------|--------------|----------------|------------------|------------|
| Former Parcels Post Office | 1855 | Local | Item - General | 0 | onsite |
| Railway Square underpass | I180 | State | Item - General | 0 | west |
| Central Railway Station group | 1824 | State | Item - General | 0 | onsite |
| Former commercial building 'John Storey Memorial Dispensary' | I193 | Local | Item - General | 29 | south-west |
| Former commercial building 'Canada House' | I181 | Local | Item - General | 55 | west |
| Westpac Bank | 1182 | Local | Item - General | 67 | west |
| Marcus Clark Building, Sydney Technical College (Building W) | 1850 | Local | Item - General | 70 | west |
| Former commercial building 'Orchard's Chambers' | 1847 | Local | Item - General | 84 | north-west |
| Commercial building group | 1844 | Local | Item - General | 86 | north-west |
| Commercial building (851-855 George Street) | 12038 | Local | Item - General | 100 | west |
| Former Lottery Office | 1848 | Local | Item - General | 100 | north-west |
| Sutherlands Hotel | I164 | Local | Item - General | 104 | west |
| Agincourt Hotel | 12027 | Local | Item - General | 127 | west |
| Mortuary Railway Station | l194 | State | Item - General | 135 | south-west |
| Christ Church St Laurence group | 1849 | State | Item - General | 135 | north-west |
| Commercial building (1-7 Broadway) | 12005 | Local | Item - General | 158 | west |
| Former commercial building 'Sutton Forest Meat' | 1843 | Local | Item - General | 167 | north-west |
| Commercial building | 12004 | Local | Item - General | 167 | west |
| Former Benevolent Society of NSW Hospital (175-179 Thomas Street) | 1866 | Local | Item - General | 180 | north-west |

National Heritage List (NHL)

| Site Name | Site ID | Class | Status | Distance (m) | Direction |
|----------------|---------|-------|--------|-----------------|-----------|
| Not identified | - | - | - | - | - |



Register of the National Estate (RNE)

| Site Name | Site ID | Class | Status | Distance (m) | Direction |
|--|---------|----------|------------------|-----------------|----------------|
| Central Railway Station | 2196 | Historic | Registered | 0 | east |
| Railway Square Post Office (former) | 2456 | Historic | Registered | 0 | onsite |
| John Storey Memorial Clinic (former) | 2368 | Historic | Registered | 29 | south- west |
| Cast Iron Drinking Fountain | 1846 | Historic | Registered | 35 | |
| Canada House | 19534 | Historic | Indicative Place | 55 | |
| Garden over Central Railway Colonnade | 1840 | Historic | Rejected Place | 64 | north |
| Westpac Bank | 1968 | Historic | Registered | 68 | west |
| Marcus Clark Building (former) | 2355 | Historic | Registered | 72 | west |
| Commercial Building (former) | 2420 | Historic | Registered | 86 | west |
| Commercial Terrace | 100124 | Historic | Indicative Place | 116 | north-west |
| Agincourt Hotel | 2421 | Historic | Registered | 123 | west |
| Christ Church St Laurence Anglican Church | 1910 | Historic | Registered | 132 | north-west |
| Christ Church St Laurence Group | 1909 | Historic | Registered | 132 | north-west |
| Christ Church St Laurence Rectory | 1911 | Historic | Registered | 132 | north-west |
| Haymarket Urban Conservation Area | 2385 | Historic | Registered | 150 | north-west |
| Retail and Commercial Building | 100661 | Historic | Registered | 162 | west |
| Christ Church St Laurence School and Hall (former) | 1912 | Historic | Registered | 164 | north-west |
| Retail and Commercial Building | 100659 | Historic | Registered | 166 | west |

Non-Aboriginal heritage item (Local)

| Site Name | Site ID | Class | Status | Distance (m) | Direction |
|----------------|---------|-------|--------|-----------------|-----------|
| Not identified | - | - | - | - | - |

Non-Aboriginal heritage item (SHR)*

| Site Name | Site ID | Listing n ^o | Plan nº | Distance (m) | Direction |
|---|---------|------------------------|---------|-----------------|------------|
| Sydney Terminal and Central Railway Stations Group | 5012230 | 01255 | 2247 | 0 | onsite |
| Railway Square road overbridge | 5012153 | 01232 | NULL | 0 | west |
| Mortuary Railway Station and site | 5045142 | 00157 | 200 | 128 | South-west |
| Christ Church St Laurence Anglican Church and Pipe Organ | 5045569 | 00123 | 159 | 132 | North-west |

^{*}State Heritage Register



Commonwealth Heritage List (CHL)

| Site Name | Site ID | Class | Status | Distance (m) | Direction |
|----------------|---------|-------|--------|-----------------|-----------|
| Not identified | - | - | - | - | - |

World Heritage Area (WHA)

| Site Name | Site ID | IUCN | Status | Distance (m) | Direction |
|----------------|---------|------|--------|-----------------|-----------|
| Not identified | - | - | - | - | - |

3.2 NATURAL HAZARDS & COASTAL MANAGEMENT

Map 10 (500m Buffer)

Bush Fire Prone Land (BPL)

| Category | On the Property? | Within Record Search Buffer? |
|----------------|------------------|------------------------------|
| Not identified | - | - |

Fire History (Wildfires and Prescribed Burns)

| Category | On the Property? | Within Record Search Buffer? |
|----------------|------------------|------------------------------|
| Not identified | - | - |

Flood Hazard Area

| Name | On the Property? | Within Record Search Buffer? |
|----------------|------------------|------------------------------|
| Not identified | - | - |

3.3 STATE ENVIRONMENTAL PLANNING POLICY (COASTAL MANAGEMENT)

Map 10 (500m Buffer)

| Туре | On the Property? | Within Record Search Buffer? |
|---------------------------------|------------------|------------------------------|
| Coastal Wetlands Proximity Area | Not identified | Not identified |
| Coastal Wetlands | Not identified | Not identified |
| Coastal Environment Area Map | Not identified | Yes |
| Coastal Use Area Map | Not identified | Yes |





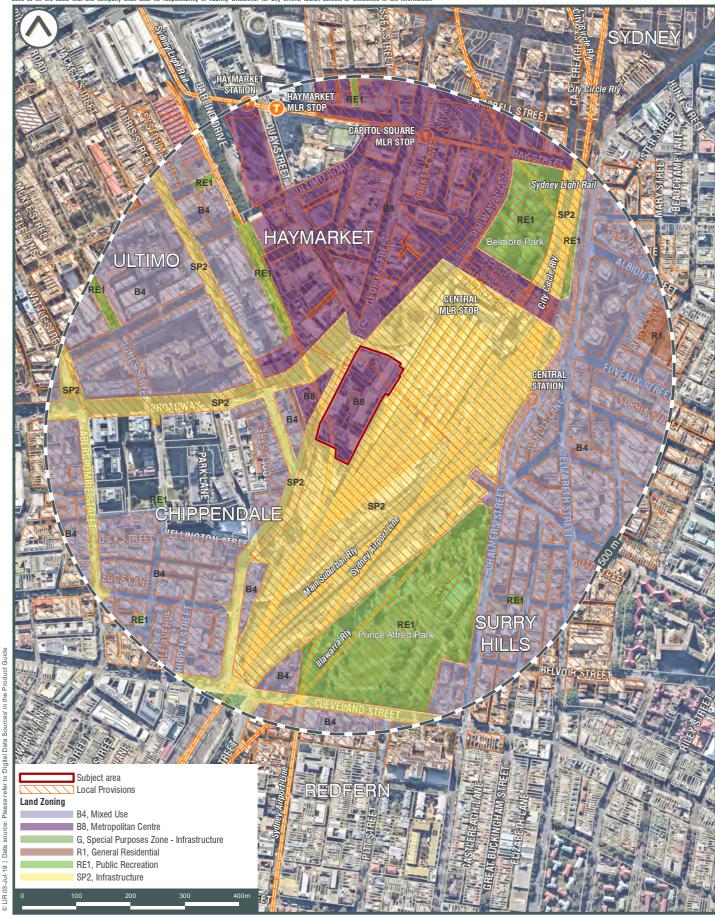




SUBJECT AREA AND SENSITIVE RECEPTORS



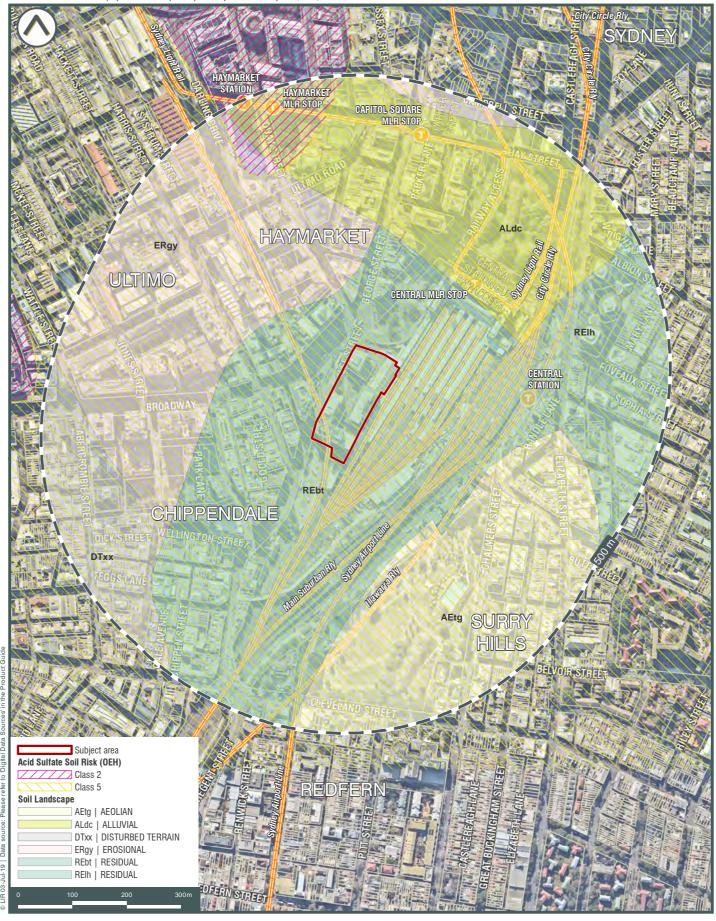




PLANNING CONTROLS



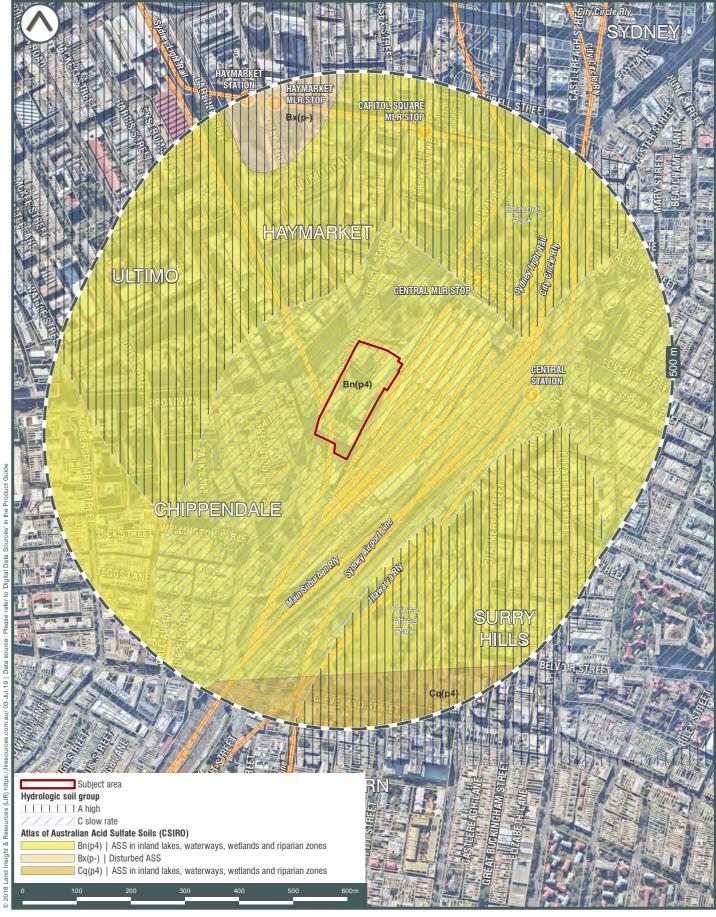




SOIL LANDSCAPES AND ACID SULFATE SOIL RISK



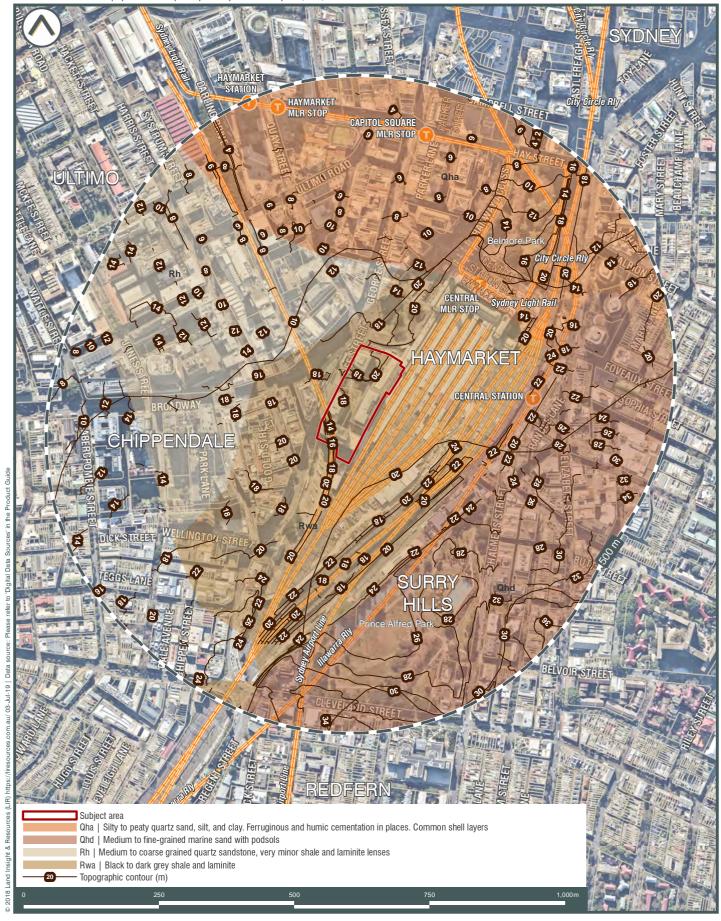




ATLAS OF AUSTRALIAN ACID SULFATE SOILS AND SALINITY



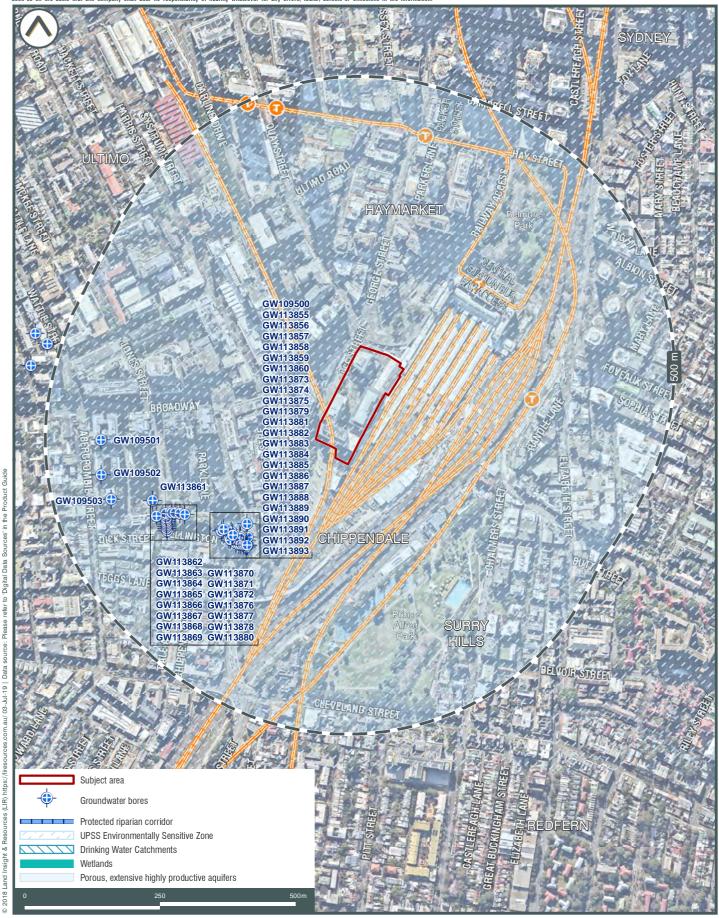




GEOLOGY AND TOPOGRAPHY



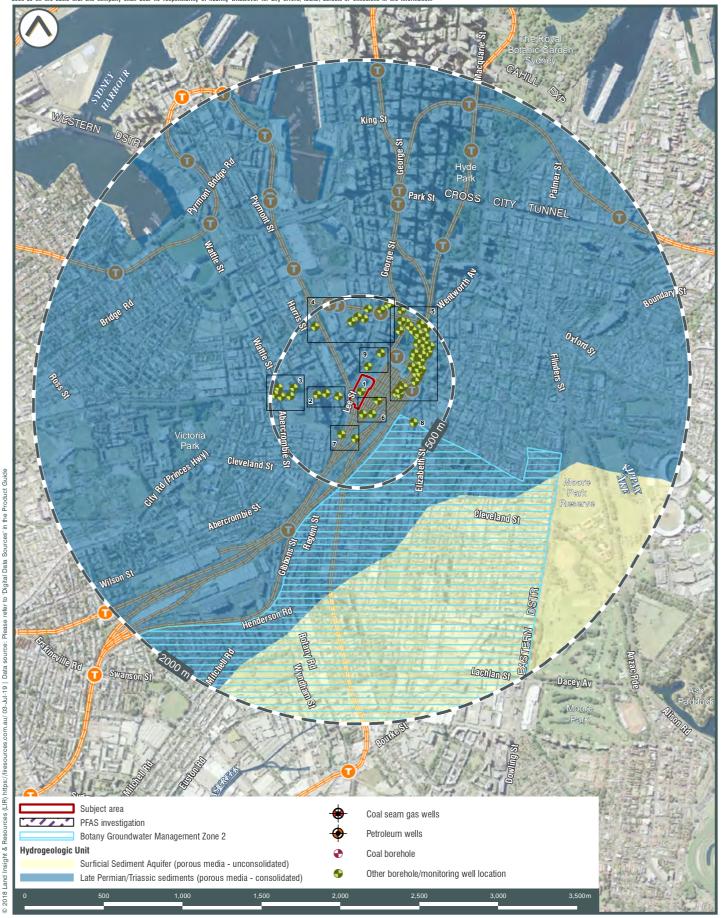




HYDROGEOLOGY AND GROUNDWATER BORES



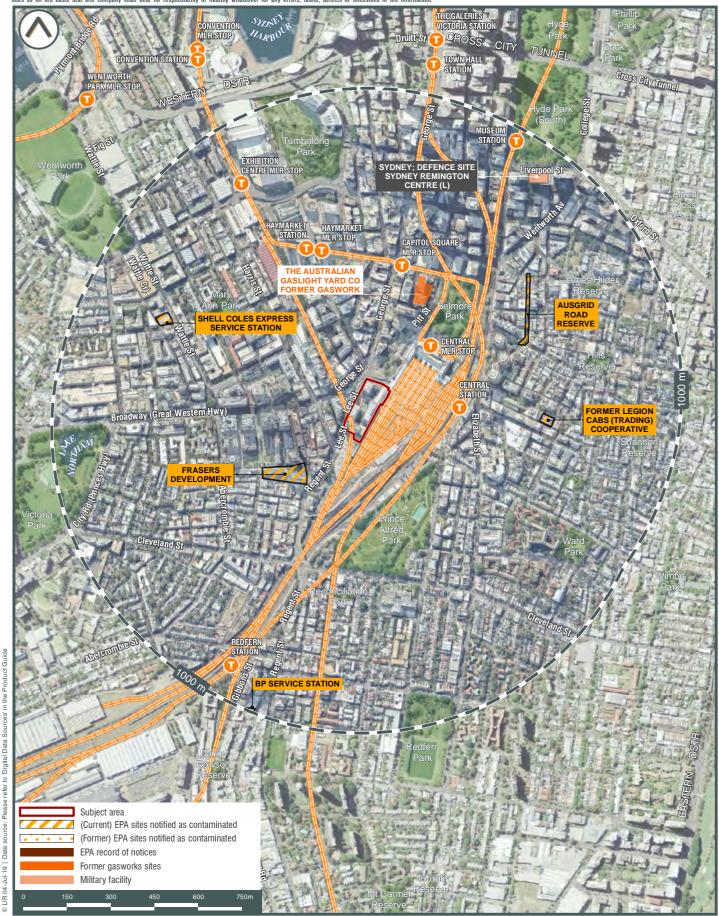




HYDROGEOLOGY AND OTHER BOREHOLES



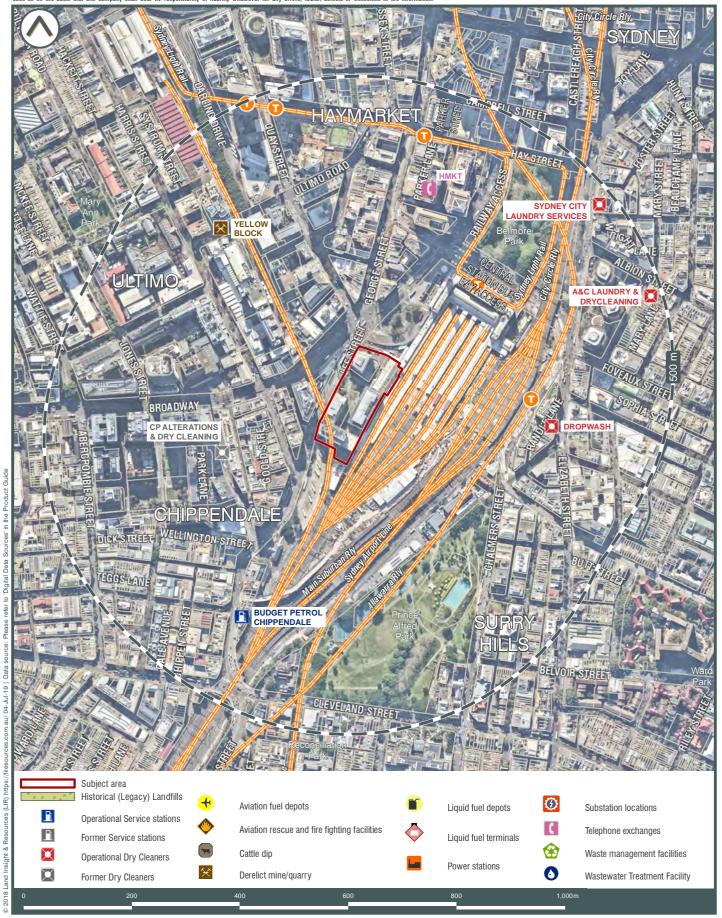




EPA RECORDS AND OTHER REGULATORY CONTAMINATION ISSUES



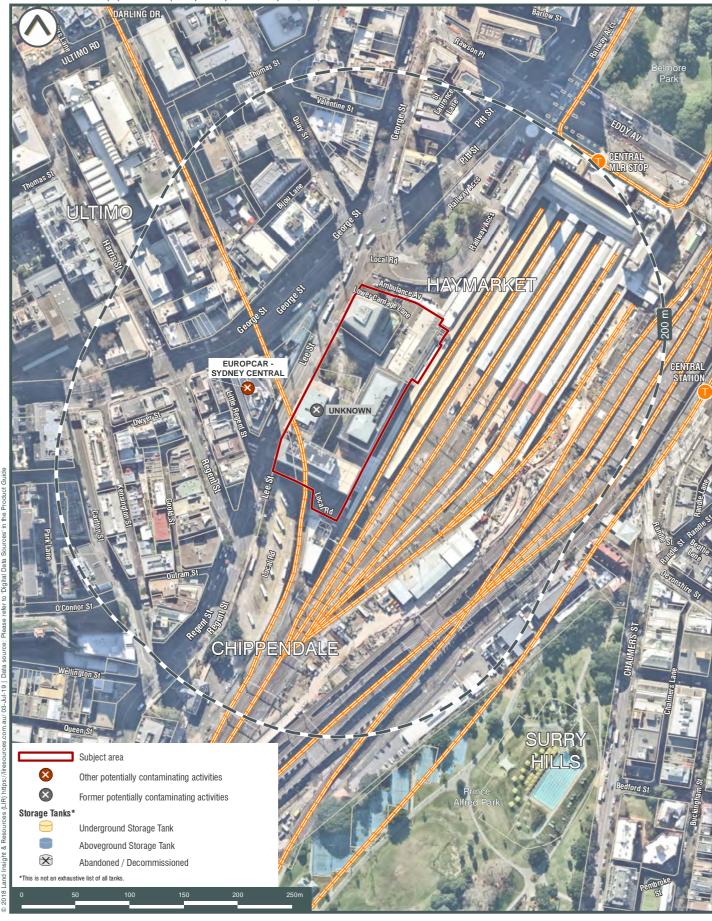




POTENTIALLY CONTAMINATING ACTIVITIES



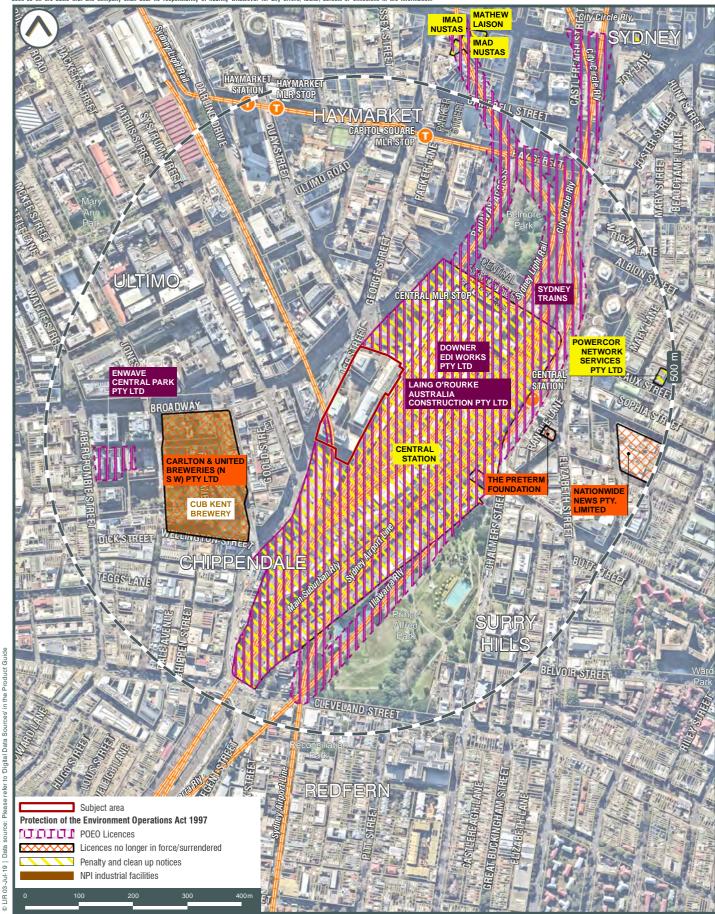




CURRENT COMMERCIAL AND TRADE DATA







LICENSING UNDER THE POEO ACT 1997 AND NPI FACILITIES







HERITAGE







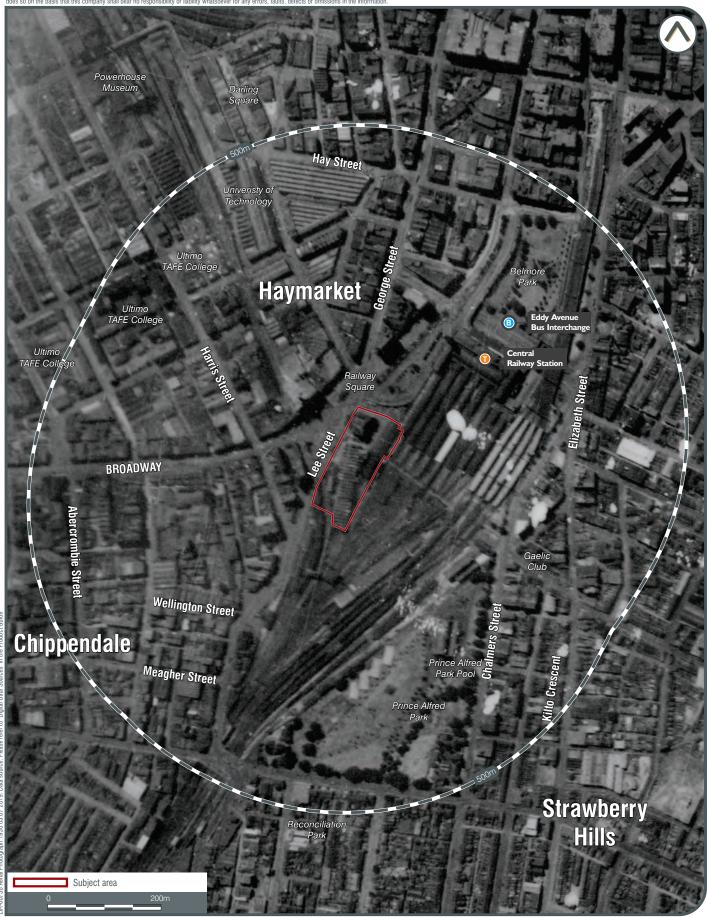
NATURAL HAZARD AND COASTAL MANAGEMENT





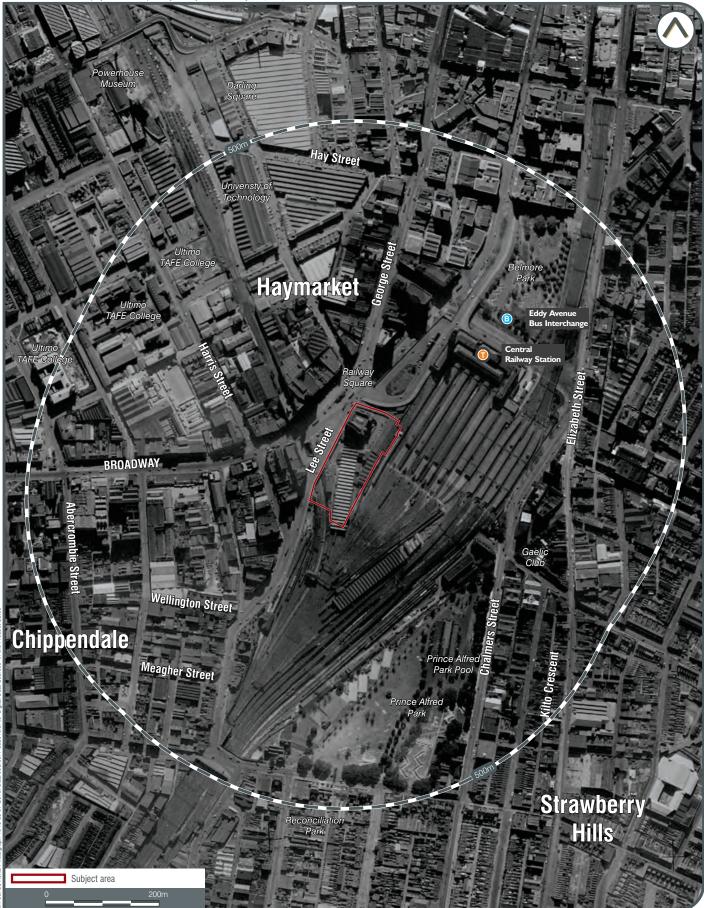
MAP 10 Enviro-Screen





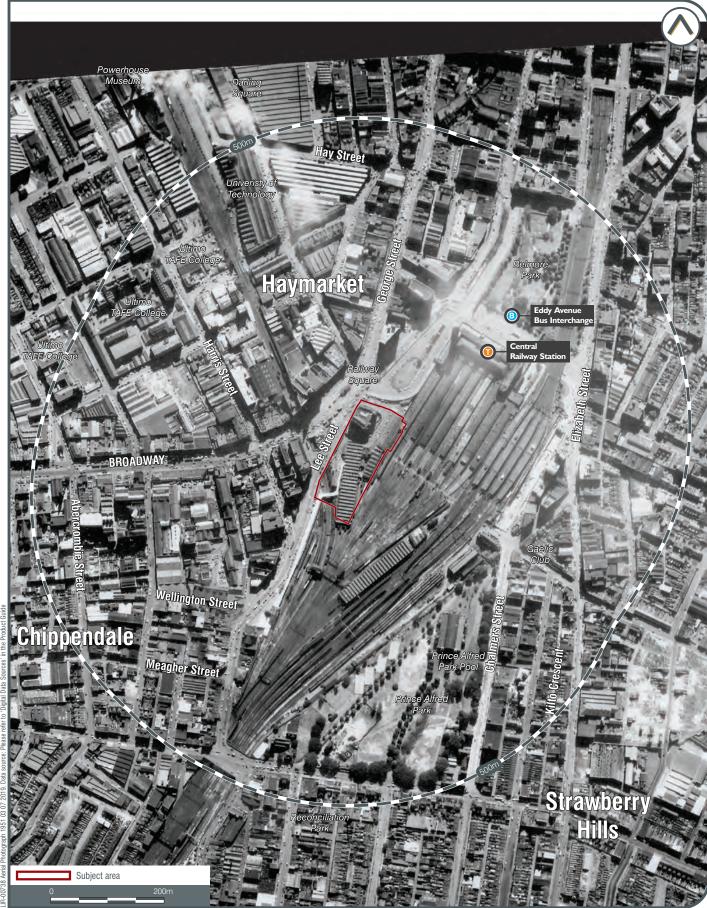






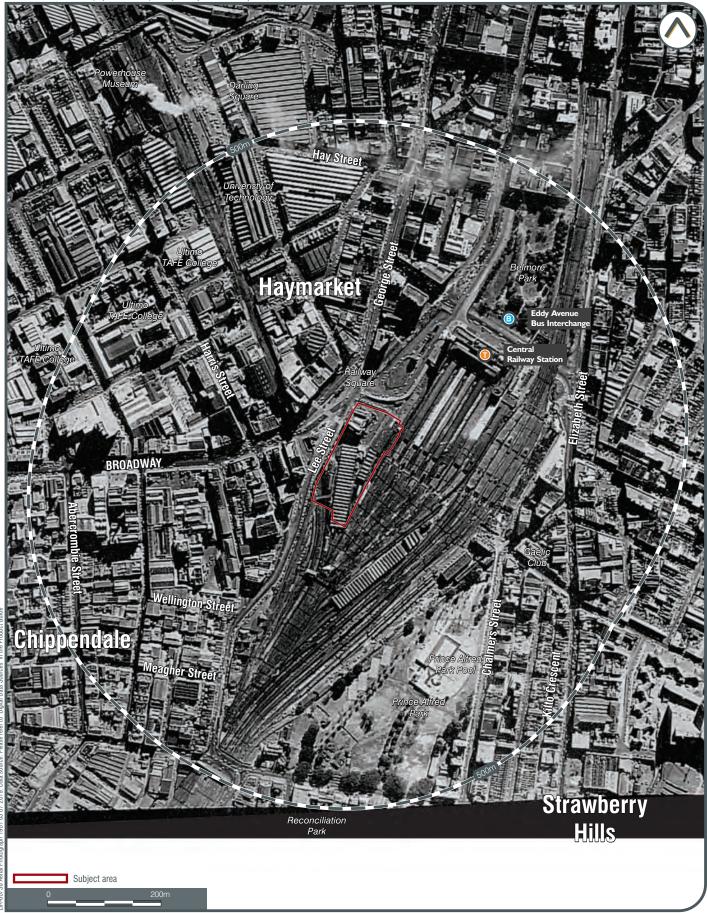












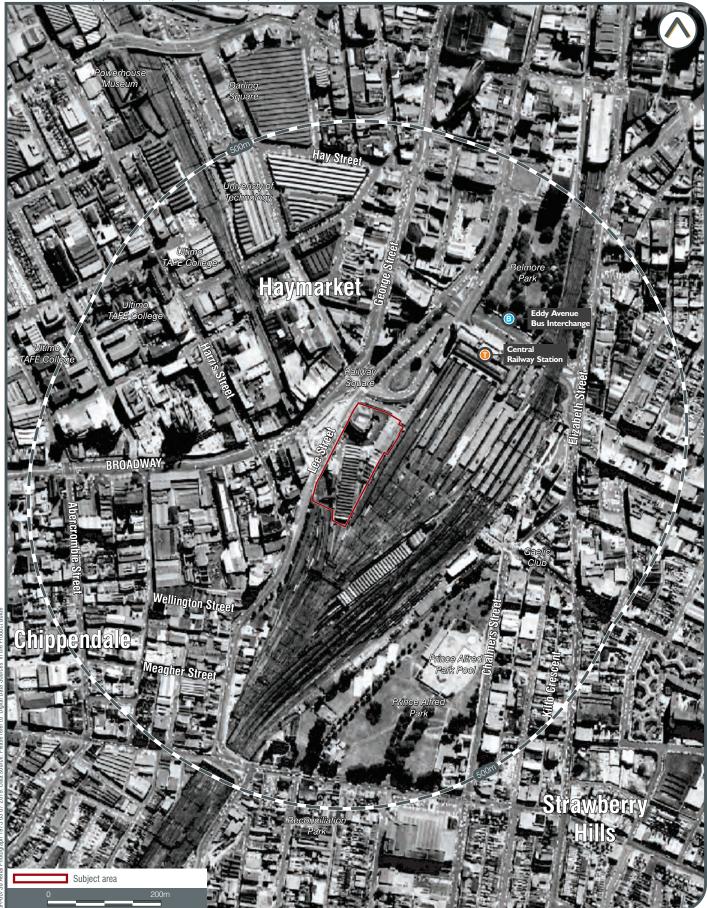






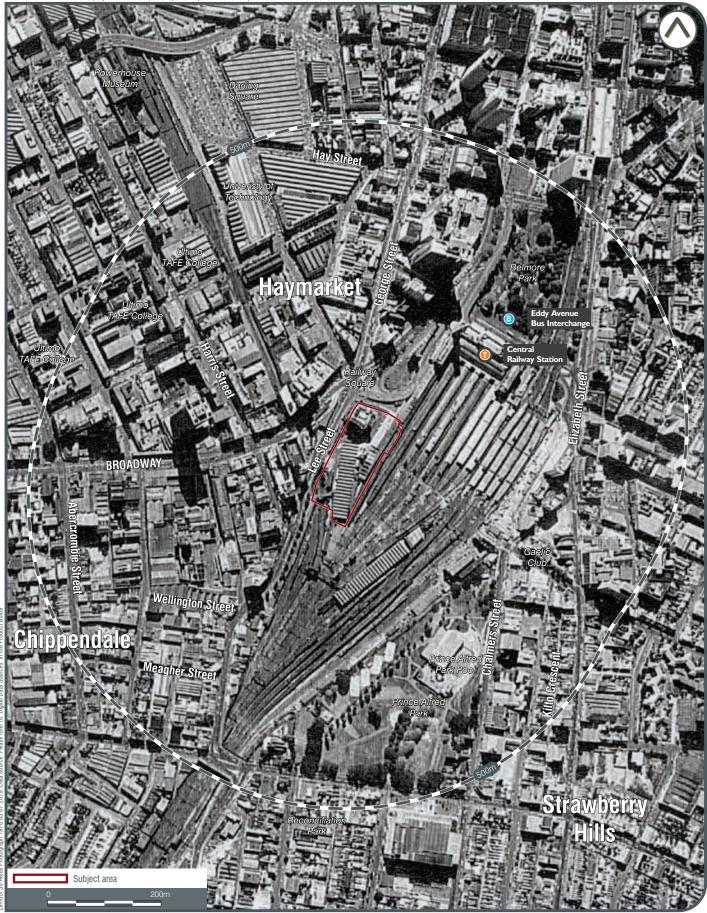






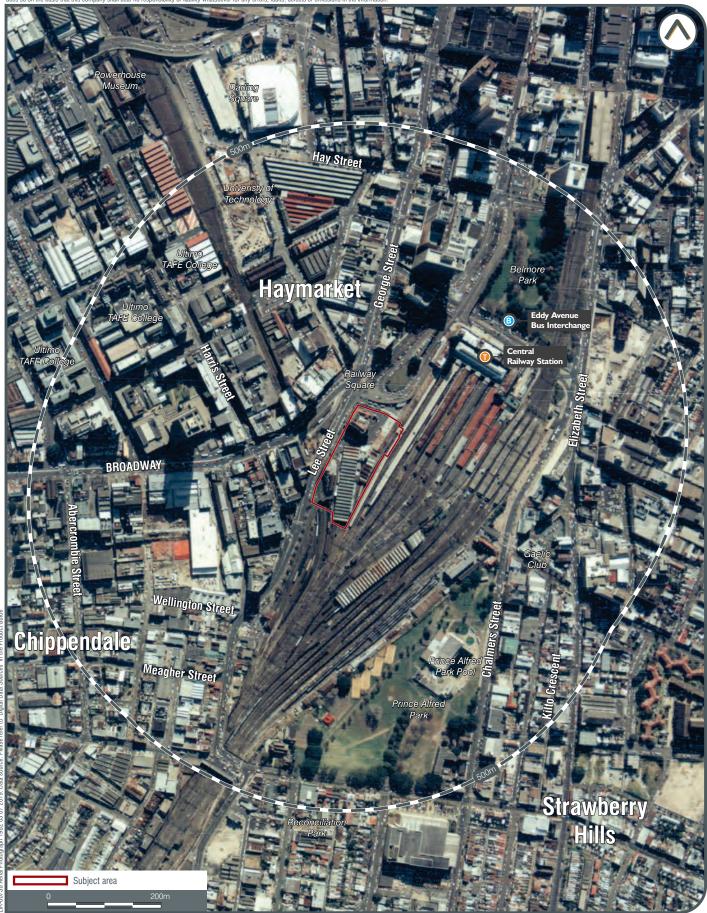




































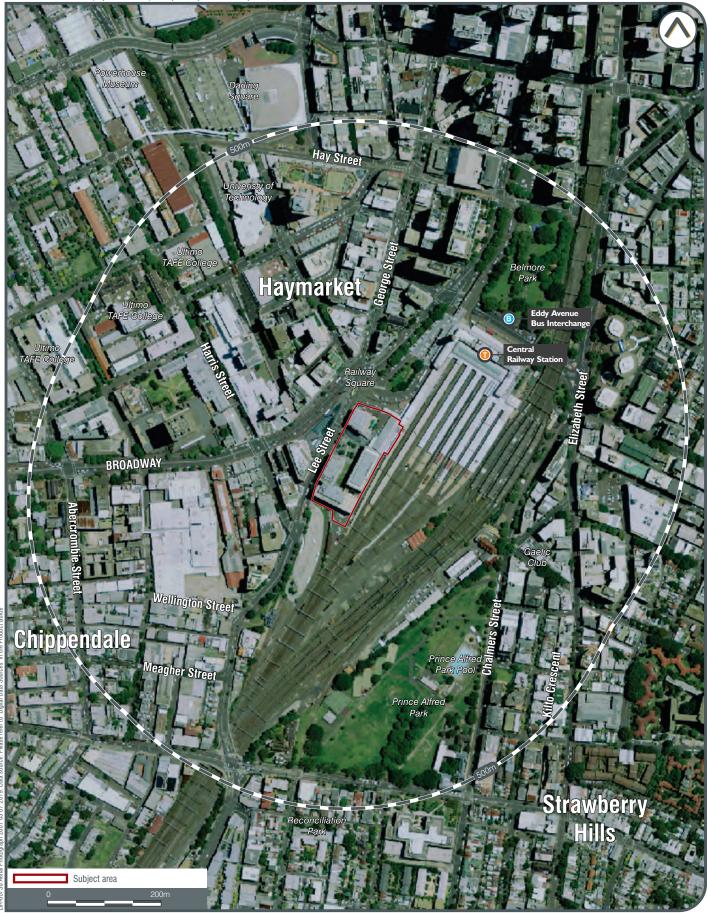


















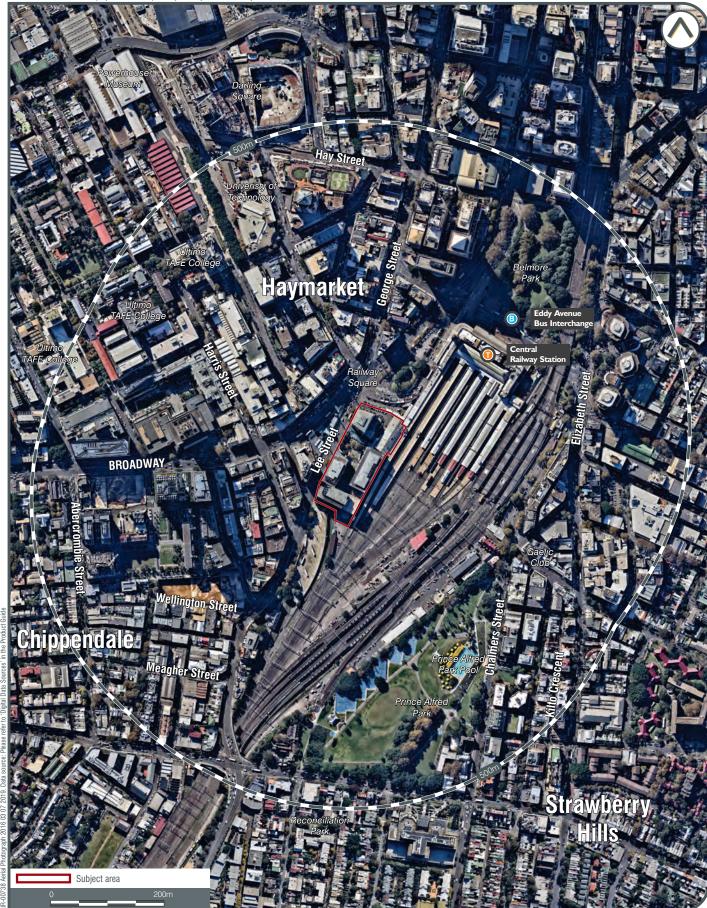






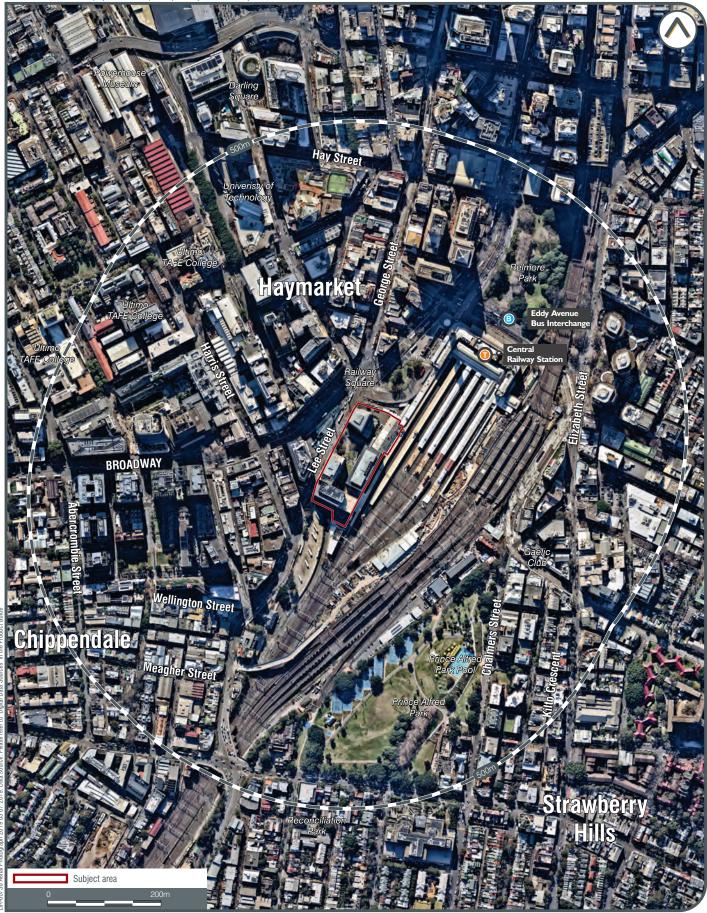






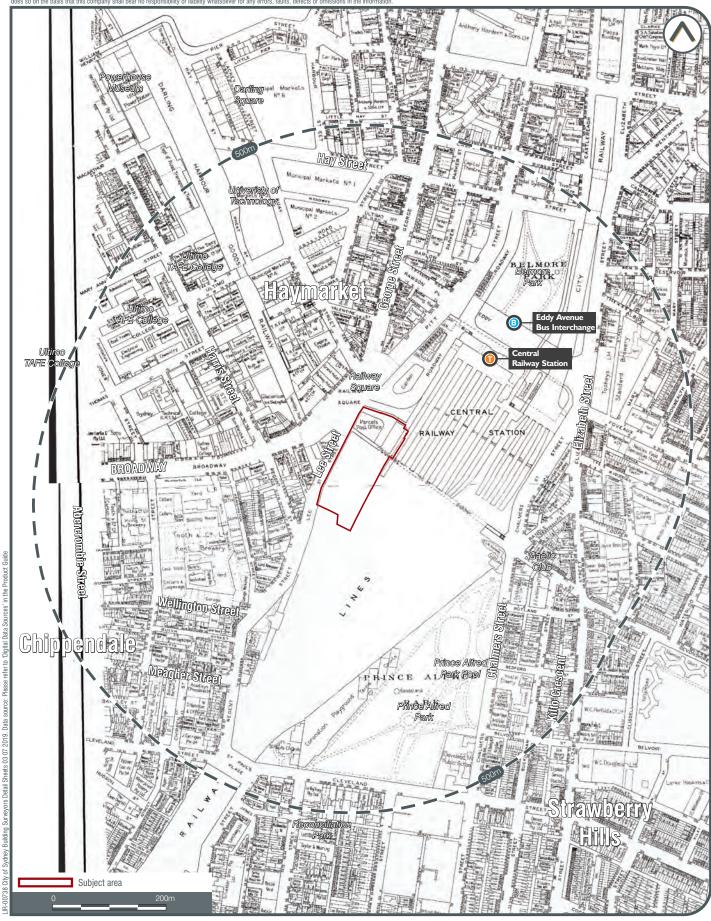








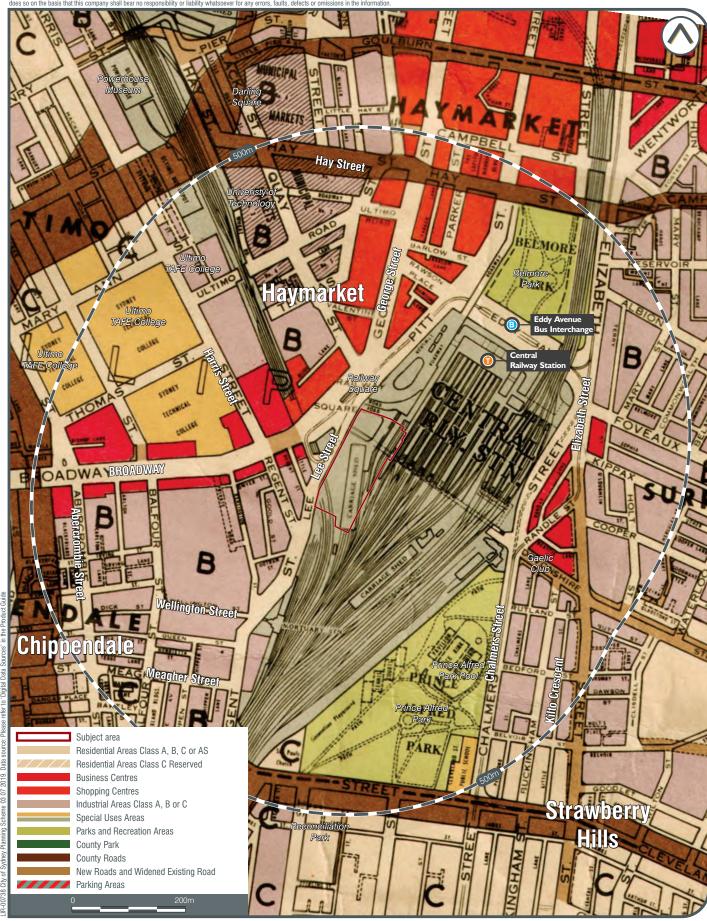




1956 CITY OF SYDNEY BUILDING SURVEYORS DETAIL SHEETS



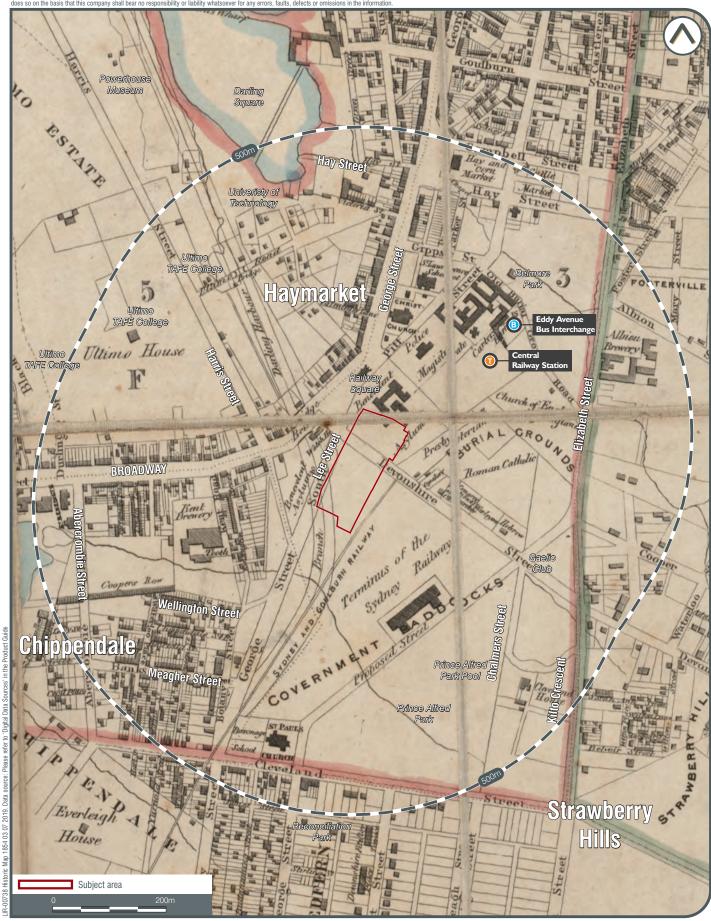




CITY OF SYDNEY PLANNING SCHEME - 1958







WOOLCOTT & CLARKES MAP OF SYDNEY - 1854









PRODUCT GUIDE



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Contaminated Land Record of Notices, Sites Notified as Contaminated to the NSW EPA, Former Gasworks and PFAS investigation program - © State of NSW Environment Protection Authority

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Bushfire Prone Land - NSW Rural Fire Service © 2018

NPWS Fire History, Wildfires and Prescribed Burns - © State of New South Wales, National Parks and Wildlife Management Unit licenced under Creative Commons CC-BY (https://creativecommons.org/licenses/by/4.0/deed.en), 2018

Flood Hazard Area - © State of New South Wales, Planning and Environment Information Management Unit licenced under Creative Commons CC-BY (https://creativecommons.org/licenses/by/4.0/deed.en), 2018.

Other Data - if applicable

Cattle Dip Site Locator Northern Rivers Region - © State of New South Wales through NSW Department of Industry

Legacy Landfills – LI Resources proprietary dataset. Dataset is derived from verified Council Records, Aerial Photography Interpretation, Historic Zoning Maps, Historic Topographic Maps, Historic Parish Maps and Derelict Mines and Quarries Information - © State of New South Wales through NSW Department of Industry, 2019

Parramatta River Catchment Land Use Areas - Compiled by LIR, derived from Parramatta River Estuary Processes Study (2010)

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Historical Commercial & Trade Directory Data -

Sydney

1932-1933 John Sands Sydney Trades Directory – Copyright Expired

1940 & 1950 Commonwealth of Australia Telephone Directory Sydney — Copyright Expired

1960-1961 Telecom Australia Pink Pages Sydney – Permission for use Sensis 2017

1970-1971 United Business Directories Sydney – Licenced under Hardie Grant 2017.

1974-1975 NSW Post Office Yellow Pages Sydney Buying Guide and Commercial/Industrial Directories – Permission for use Sensis 2017

1980-1981 & 1990-1991 Telecom Australia Yellow Pages Sydney – Permission for use Sensis 2017

Regional NSW

1971, 1981 & 1991 Telecom Australia Yellow Pages Country NSW Directories – Permission for use Sensis 2017

While every effort is made to ensure the details in your Report are correct, LI Resources cannot guarantee the accuracy or completeness of the information or data provided or obtained from the data sources.

For more detailed information regarding data source and update frequency, please contact LI Resources at info@liresources.com.au



Glossary

AVIATION RESCUE FIRE FIGHTING FACILITIES (ARFF); LIQUID FUEL & AVIATION FUEL DEPOTS/TERMINALS; POWER STATIONS; TELEPHONE EXCHANGES & WASTEWATER TREATMENT FACILITIES

These facilities may be associated with the use, storage, treatment and disposal of a range of chemicals and products such as PFAS (Per- and poly-fluoroalkyl substances), solvents, petroleum products, asbestos, PCBs (polychlorinated biphenyls) and others.

BUSHFIRE PRONE LAND

This data may assist environmental consultants, developers and others understand whether any bushfire risk is present in the area that may require specific management and/or restrict site investigations and development works.

COAL SEAM GAS, PETROLEUM WELLS AND BOREHOLES

This data may assist environmental consultants during investigations as to previous resource exploration with an area, resources present (i.e. coal, gas and petroleum), lithological data and potential for environmental contamination.

DEPARTMENT OF DEFENCE UNEXPLODED ORDNANCE (UXO) SITES

UXO is any sort of military ammunition or explosive ordnance which has failed to function as intended. It includes a range of ammunition used by the Navy, Army and Air Force; and many other types of ammunition and explosives including training munitions. UXO contamination has arisen mainly as a result of military training activities, since European settlement. In the past large numbers of ranges and training areas were approved for use in many areas of Australia. As a result, there are now a number of sites around Australia which are affected by UXO. For more information see www.defence.gov.au/UXO

DERELICT MINES AND QUARRIES

Outstanding legacy issues surrounding derelict mines and quarries have the potential to cause safety and environmental impacts and may also be an indicator of the presence of unregulated landfill.

DRY CLEANERS (CURRENT)

Dry cleaners often use or have used hazardous and flammable chemicals in their operations. Incorrect storage and disposal of these chemicals may result in fire/explosion risks or contamination of soil and groundwater or result in human health risks.

GROUNDWATER EXCLUSION ZONES

Groundwater exclusion zones are present in certain areas where aquifers are known to be contaminated or where past activities may have affected groundwater quality. Restrictions on the use of groundwater in those areas are in place and differ between the various management/exclusion zones.

HERITAGE - FEDERAL, STATE AND LOCAL

This data may assist environmental consultants, developers and others understand whether any heritage items are present on the site that may require specific management and/or restrict site investigations and development works.

HISTORICAL COMMERCIAL & TRADE DIRECTORY DATABASE (1932, 1940, 1950, 1960, 1970; 1974, 1980 and 1990)

An LI Resources proprietary database of historical potentially contaminating activities previously listed as having been undertaken on the property or surrounding area. Activities have been catalogued based on 'low to high risk activities' either known to cause potential contamination risk (based on Managing Land Contamination Planning Guidelines, SEPP 55 remediation of land, 1998) or to assist in guidance for sampling and remediation programs by environmental consultants.



HISTORICAL (LEGACY) LANDFILLS

An LI Resources proprietary dataset containing the location of former legacy landfills. Legacy landfills are widely present across the country, with many locations unknown. Most of these landfills were created prior to current environmental guidelines (i.e. remain unlined and uncapped) resulting in the potential for leaching of hazardous substances into waterways, production of odours, migration of landfill gas and stability issues.

HYDROGEOLOGY

This data includes information for environmental consultants on aquifer properties, the presence of wetlands and groundwater monitoring bores. This information can assist in the understanding of contaminant pathways and receptors.

Groundwater monitoring bores are primarily needed to assess changes to water table levels, groundwater quality and to assess groundwater flow direction. Impacts on groundwater result from contaminated water movement, leaching of surface pollutants caused by rainfall or irrigation water percolation, leakage of stored matter or the disposal of wastes. The presence of a monitoring bore may indicate that a site has been or is being investigated.

LICENSING UNDER THE POEO ACT 1997

The POEO public register includes a range of specified information on environment protection licences issued under the POEO Act to regulate air, noise, water and waste pollution and impacts. The licences and notices provide information on the type of industrial activities undertaken in an area and if any clean-up and preventative action notices have been issued under that licence.

MILITARY FACILITIES

Military practices at certain facilities may cause potential contamination through the use of chemicals ranging from cleaning solvents and paints to ammunition, explosives and firefighting foam. These chemicals can cause human and ecological health risks.

NATURALLY OCCURRING ASBESTOS

Asbestos is found as a naturally occurring mineral in many areas of regional NSW and may occur in veins within rock formations. Naturally occurring asbestos is generally found when building roads, working on construction sites and undertaking excavation activities. This data provides information on the areas identified with a low to high probability of naturally occurring.

NPI INDUSTRIAL FACILITIES

Industrial facilities that trigger a defined threshold(s) for the emission of pollutants identified in the National Pollution Inventory (NPI), must estimate and report their emissions. The pollutants identified under the NPI are those that are known to have possible effects on human health and the environment.

NSW EPA CONTAMINATED LAND RECORD OF NOTICES ISSUED UNDER THE CLM Act 1997

The EPA is required by law to maintain a record of notices relating to contaminated land, including notices declaring land to be 'Significantly Contaminated Land' under the Contaminated Land Management Act 1997. The EPA record of notices provides information on all sites that have been declared significantly contaminated.

NSW EPA FORMER GASWORKS SITES

Former gasworks often leave a legacy of soil and groundwater contamination. The major contaminants in these instances include tars, oils, hydrocarbon sludges, spent oxide wastes, ash and ammoniacal recovery wastes. Some of these contaminants are carcinogenic to humans and toxic to aquatic ecosystems and therefore may pose a risk to human health and the environment.



NSW EPA FORMER URANIUM PROCESSING SITE AT HUNTERS HILL

In 2008 a Parliamentary Inquiry held into the former uranium processing site at Hunters Hill, Sydney, found radiation levels were too low to require site remediation. During the investigation it became evident that there were two separate causes of gamma radiation in the vicinity of Nelson Parade (7-9 Nelson Parade – former uranium processing plant and Kelly's Bush – former tin smelter). The investigations found that levels of radiation on properties surrounding 7-9 Nelson Parade, at Kelly's Bush and in nearby areas of Hunters Hill were below relevant national and international guidelines for the protection of health and therefore remediation was not warranted. Further information can be found at www.epa.nsw.gov.au

NSW EPA JAMES HARDIE ASBESTOS WASTE CONTAMINATION LEGACY

During the 1960s and 70s, bulk asbestos waste associated with manufacturing and waste disposal by the former James Hardie Industries was delivered as fill to areas targeted because of their low-lying geography. Between December 2007 and February 2008, the Department of Environment Climate Change and Water conducted site inspections of those disposal sites. None of the inspected sites were found to be a significant risk to human health or the environment, provided the sites remained sealed or undisturbed. Further information can be found at www.epa.nsw.gov.au

NSW EPA SITES NOTIFIED AS CONTAMINATED TO THE NSW EPA

The EPA maintains a record of all sites notified to it by owners or occupiers of sites believed to be significantly contaminated.

NSW EPA PFAS INVESTIGATION PROGRAM

The NSW EPA is investigating particular sites to better understand the extent of PFAS use and contamination in NSW. PFAS are a group of chemicals that include perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA).

They have many specialty applications and are widely used in a range of products in Australia and internationally. PFAS are an emerging contaminant, which means that their ecological and/or human health effects are unclear. Further information can be found at www.epa.nsw.gov.au

OTHER POTENTIALLY CONTAMINATED SITES

An LI Resources proprietary database of recent potentially contaminating activities previously listed as having been undertaken on the property or surrounding area. Activities have been catalogued based on 'moderate to high risk activities' either known to cause potential contamination risk or to assist in guidance for sampling and remediation programs by environmental consultants. Please note this database is not exhaustive and may not list all activities in the area.

PARRAMATTA RIVER CATCHMENT LAND USE AREAS

An LI Resources proprietary dataset containing land use changes around the Parramatta River catchment area. Details include land reclamation areas, loss of foreshore and major land use changes (i.e. industrial to residential land). These changes may indicate presence of unregulated landfill and potential contamination associated with former industrial land use.

PUBLIC REGISTER OF PROPERTIES AFFECTED BY LOOSE-FILL ASBESTOS INSULATION

The NSW Government is required to maintain a register of residential properties that contain loose-fill asbestos insulation. This assists members of the wider community to be informed about any risks associated with a specific property and to take any appropriate safety measures. For more information see www.fairtrading.nsw.gov.au

SENSITIVE RECEPTORS

This data may assist environmental consultants during investigations as to the location and proximity of any sensitive receptors in the area, such as aged care, child care, community and religious facilities; sports grounds; national and state parks etc.



STATE ENVIRONMENTAL PLANNING POLICY 14, 26 AND 71

SEPP 14 (COASTAL WETLANDS), 26 (LITTORAL RAINFORESTS) AND 71 (COASTAL PROTECTION)

The proximity of SEPP 14, 26 and 71 protection zones may limit certain development and remediation works.

SOIL LANDSCAPE AND GEOLOGY

This data may assist environmental consultants during investigations as to the physical site properties that could govern potential contaminant retention or migration.

SERVICE STATIONS (CURRENT)

Service stations may contain leaking tanks which can result in petroleum products migrating into, and contaminating, the soil or groundwater or other pathways to human and biological contact.

UNDERGROUND PETROLEUM STORAGE SYSTEMS (UPSS) ENVIRONMENTALLY SENSITIVE ZONES

UPSS environmentally sensitive zones represent a conservative assessment of areas likely to be vulnerable to contamination from leaking UPSS. This information can assist environmental consultants on the risk a UPSS site poses to a recognised environmentally sensitive receptor.

WASTE MANAGEMENT FACILITIES

A waste facility is a premises used for the storage, treatment, processing, sorting or disposal of waste. These include landfills, waste transfer stations and waste reprocessing facilities. Waste facilities emit regulated substances to air and water, such as methane gas, and can produce odours, dust and noise.



Terms and Conditions

Terms and Conditions

- 1. Land Insight and Resources (LI Resources) will perform the Services in accordance with these terms and conditions
- 2. By submitting the Application Form, the User acknowledges that it has read and understood these terms and conditions and agrees to be bound by them.
- 3. LI Resources reserves the right to change these terms and conditions. Any change shall be effective upon notice, which may be given by LI Resources posting such change on the Website, or by direct communication with the User.

Services

- 4. LI Resources agrees to undertake the Services using due skill, care and diligence.
- 5. The User assumes the sole risk of making use of, and/or relying on, the Report and the Services. LI Resources makes no representations about the suitability, completeness, timeliness, reliability, legality, or accuracy of the Services.
- 6. Unless LI Resources agrees expressly otherwise:
 - (A) The Services are solely for the use and benefit of the User; and
 - (B) LI Resources does not accept any liability, whether directly or indirectly, for any liability or loss suffered or incurred by any third party placing any reliance on the performance of the Services or any Documents or material arising from or in connection with the Services.
- 7. The User warrants to LI Resources that it will not use the Services for any purpose that is unlawful or is otherwise inconsistent with these terms and conditions.
- 8. The User will not alter in any way or provide a copy of the Report or any Document prepared by LI Resources to any other person without LI Resources's prior written consent.

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- 9. The Fee will be payable at the time of submitting the Application Form unless invoicing payment terms have been negotiated prior to purchase with LI Resources.
- 10. The User and LI Resources may agree in writing to vary the Services. The fee for each variation shall be agreed between LI Resources and the User.
- 11. The User agrees to pay LI Resources the Fee, including the fee for any variation requested in accordance with clause 12.
- 12. If the User's rights are terminated and the User has made an advance payment, LI Resources will refund the User a reasonable proportion of the balance as determined by LI Resources in relation to the value of Services already provided.
- 13. GST at the prevailing rate is payable in addition to the Fee. The User agrees to pay any other applicable taxes, duties or government imposed fees related to the User's use of the Services.



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- 15. LI Resources grants the User a royalty free licence to use LI Resources's intellectual property for that User's personal assessment of its Property(s) only.

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- 16. Upon submitting the Application Form the User consents to LI Resources's use of the personal data provided by the User for the purposes of providing the Services.
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- 24. Neither party is liable to the other for loss of actual or anticipated revenue or profits, increased capital or financing costs, increased operational or borrowing costs, pure economic loss, exemplary or punitive damages or indirect or consequential damages or loss.
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- 26. The User accepts that the Services provided do not take into account any information relating to the actual state or condition of the Property.
- 27. The User acknowledges that the Services are not to be interpreted as commenting on the physical characteristics or condition of the Property, any particular purpose or use of that Property or the saleability or value of the Property.

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28. LI Resources reserves the right in its sole discretion to terminate, block or restrict the User's use of the Services or any portion thereof, for any reason, and without notice. In addition, LI Resources reserves the right in its sole discretion to terminate or modify any part of the Website without notice, for any reason.

Anti-Hacking

- 29. The User agrees not to directly or indirectly, attempt to or disrupt, impair, interfere with, alter or modify the Website or any of its content.
- 30. The User agrees not to allow, aid or abet third parties to directly or indirectly, attempt to or disrupt, impair, interfere with, alter or modify the Website or any of its content, or obtain access to any information regarding any User or any other Report issued to a User.

Complaints

31. Any complaints in relation to the Services should, in the first instance, be in writing and addressed to LI Resources Customer Service at: info@liresources.com.au. LI Resources will respond to any such complaints in writing as soon as practicably possible.

General Matters

- 32. These terms and conditions are governed by and will be construed and enforced in accordance with the laws of the State of New South Wales, Australia. If any dispute, controversy or claim arises out of or relating to these terms and conditions, whether sounding in contract, tort or otherwise, it shall be resolved by use of an alternative dispute resolution procedure acceptable to both parties with the assistance of a mediator. If the dispute has not been resolved to the satisfaction of either party within 60 days of initiation of the procedure or if either party fails or refuses to participate in or withdraws from participating in the procedure, then either party may refer the dispute to the court.
- 33. These terms and conditions apply to all Services provided by LI Resources.
- 34. If there is any inconsistency between these terms and conditions and any other document or agreement between the parties, these terms and conditions will prevail.
- 35. These terms and conditions represent the entire agreement between the parties.
- 36. The User authorises LI Resources to destroy Documents which LI Resources has prepared or holds in connection with the Services 7 years after the last date on which the Services were provided.
- 37. If any of the terms of the Application Form or the terms and conditions are invalid, unenforceable or void, the relevant term must be read down to the maximum extent possible or severed from the rest of the Application Form or these terms and conditions.



- 38. These terms and conditions can only be amended or varied by a written document signed by both parties.
- 39. Neither party may assign or transfer any rights or obligations arising in the provision of the Services or these terms and conditions without the other party's written consent.

Defined Terms

Application Form Means the form and accompanying information provided on the Website, completed and submitted by

the User to request the Services.

Document Includes a report, and any other written or electronic document.

Fee Means the amount set out in the Application Form or confirmed via an invoice.

Property Means the property to which the Services and the Report relate.

Report Means the Document prepared by LI Resources and provided to the User which contains the

environmental and development data which is relevant to the Property.

Services Means the review of data and information on which the Report is based, and the preparation and

provision to the User of the Report.

Website Means LI Resources's online site, that is: www.liresources.com.au

User Means the person(s) set out in the Application Form including that person's permitted successors.









A 4307/4 Daydream Street, Warriewood NSW 2102T 02 9979 1720

E info@liresources.com.au

W www.liresources.com.au



Appendix B: Historical Bore Logs

CLIENT: BAULDERSTONE HORNIBROOK

PROJECT: HENRY DEANE PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282

SURFACE LEVEL: 20.0

DIP OF HOLE: 90'

DATE: 20 APRIL 98

SHEET 1 OF 2

AZIMUTH:

BORE No: 1

| LOCA | TION. LEE STREET, STUNET | | | DIL O | F HULE: 90 | | | AZIMUTH: |
|----------------------|---|-------------|---|--|---|-----------------|-----------------------|---------------------------|
| Depth | Description | Log | Cahesive | Nan- Cahesiye | Rock Strength | | S | ampling & In Situ Testing |
| (m) | of Strata | Graphic Log | Very Saft Saft Firm Stiff Very Stiff Hard | Very Lagse Lagse Red. Dense Dense Very Dense | EX. Law Very Law Law High High Very High Ex. High | Sample Type | Core Rec. % RQD | Test Results & Comments |
| | ROADBASE | 000 | 1 1 1 1 1 | ; | | | | |
| 0.4 | FILLING – red brown grey clay and sand with gravel, typically very loose/soft | XX | | | | А | | |
| | | | | | | | | |
| 1 | | \bowtie | | | | S | | 2,2,2 N=4 |
| | | | | | | | | |
| | | | 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11111 | U ₅₀ | | |
| 2 2.2 | | | | | | | | |
| | FILLING — brown brown clay with gravel and some sand, typically very loose | | | | | | | 1,0,1 |
| | | | | | | s | | N=1 |
| 3 | | | | 1 1 1 1 | | 11 | | |
| | | | | | ! ! ! ! ! ! | U ₅₀ | | |
| | | | | | | | | |
| 4 3.9 | FILLING - brown clay and dark brown sand with some gravel, typically dense | | | | | | | 35,23,11 |
| | 3.5 5, 3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | | | 1 1 1 1 | | S | | N=34 |
| | | | | | | | | |
| 5 | | | | | | | | |
| , | | | | 1 1 1 1 | | | | |
| 5.6 | SAND — medium dense to dense, light brown and light grey, fine to medium | \times | | 1 1 1 1 | | , | | 3,6,7 N=13 |
| à | brown and light grey, fine to medium grained sand | | | | | S | | 14-10 |
| | | | | | | | | |
| | | | | | | | | |
| , | | | | | | | | 2.40.05 |
| | | | 1 1 1 1 1 | 1 1 1 1 | | S | | 8,19,25 N=44 |
| | | | | | | | | |
| | | | | | | | | |
| 8.0 | CLAYEY SILTY SAND - medium dense, olive yellow brown, fine to medium grained | 111 | 1 1 1 1 1 | | | | | |
| | clayeý silty sand | | | | | | | 19,17,8 |
| | | 1/1 | | | | S | | N=25 |
| 9.0 | CLAY - stiff, dark grey, brown clay with some ironstone gravels | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
|) R IG: so | COUT DRILLER: CO | | | | D: HELGSTED | | | CACTNO |
| | over Differ of | JOI LN | | LUGUE | ₽. ⊓⊑∟05 EU | 1 | | CASING: NW TO 7.0m |

TYPE OF BORING: SFA TO 7.0m, THEN NMLC CORING

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING **REMARKS:**

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength $I_{\rm S}$ (50)MPa S standard penetration test

C core drilling

Ux x mm dia. tube pp pocket penetrometer (kPa). V Shear Vane (kPa) CHECKED:



CLIENT: BAULDERSTONE HORNIBROOK

PROJECT: HENRY DEANE PARK PROJECT

LO

PROJECT No: 27282

SURFACE LEVEL: 20.0

DATE: 20 APRIL 98

SHEET 2 OF 2

AZIMUTH:

BORE No: 1

|--|

| Depth | | Polo | So Catesive | Rock Strength | | | npling & In Situ Testing | |
|--------------------|---|-------------|--|---|---|------------------------|--------------------------|---------------------------|
| (m) | of Strata | Graphic Log | Very Soft Soft Firm Firm Stiff Very Stiff Hard | Very Loose Loose Med. Dense Dense Very Dense | Ex. Law Very Law Low Low Low High Very High Ex. High Ex. High | Sample Type Core | RQD | Test Results |
| 10 10.5 | CLAY — stiff, dark grey, brown clay with some ironstone gravels | | 90 | 190 190 | X3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | S S | | Comments 3,5,9 N=14 |
| 41 11.3 | brown yellow sandstone | | | | | | | |
| √2 12.62 | fractured, light brown yellow, fine to medium grained sandstone | | | | | C 100 | 52 | PL (A)=0.2MPa |
| | SANUSTONE - medium strength, moderately to slightly weathered, slightly | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | PL (A)=0.6MPa |
| -13 13.02 13.36 | fractured, light grey yellow, medium to coarse grained sandstone SANDSTONE - low strength, moderately weathered, fractured, fine to medium grained brown yellow sandstone SANDSTONE - medium then medium to high strength, slightly weathered, light grey, medium to coarse grained sandstone | | | | | | | PL (AO=0.2MPa |
| 1 4 | | | | | | C 100 | 90 | PL (A)=0.9MPa |
| 15.85 16 | TEST BORE DISCONTINUED AT 15.85METRES | | | | | | | |
| 17 | | | | | | | | |
| 1 8 | | | | | | | | |
| | | | | | | | | |
| 49 : | | | | | | | | |

CASING: NW TO 7.0m

TYPE OF BORING: SFA TO 7.0m, THEN NMLC CORING

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING **REMARKS:**

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength I_s (50)MPa S standard penetration test

C core drilling Ux x mm dia. tube pp pocket penetrometer (kPa) V Shear Vane (kPa)

CHECKED: Initials: Add Date: 5798



CLIENT: BAULDERSTONE HORNIBROOK

PROJECT No: 27282

BORE No: 2 DATE: 17 APRIL 98

PROJECT: HENRY DEANE PARK PROJECT

SURFACE LEVEL: 20,6

SHEET 1 OF 2

LOCATION: LEE STREET, SYDNEY

DIP OF HOLE: 90'

AZIMUTH:

| Depth (m) | Description | Ō | | | Soil | | | | | | | | | | | | | |
|-----------------------|--|-------------|---------------------------|---------------------|---|---------------------|---|------------|---------------------|--------------|---|----------|----------------------|----------------|----------|------------------------------------|--|--|
| (m) | | 5.00 | Cohe | esive | ive Cahesive Strength | | | | 5 | Roc Stren | k gth | | | | Sam | Sampling & In Situ Testing | | |
| 0 | of Strata | Graphic Log | Very Saft Saft Firm | Stiff Vary Stiff | Hard | Very Logse Lagse | Med. Dense | Very Dense | Ex. Law Very Law | Medium | High | Ex. High | Sample Type | Core Rec. % | RGD % | Test Results & Comments | | |
| 0.15 | CONCRETE AND SAND FILLING - very loose black and brown sand and ash with some gravel | | | | 1 | | | | | | | | A | | | 2,1,2 | | |
| 1.45 2 | CLAY — stiff, olive yellow mottled red clay with some silt and ironstone bands | | | | | | | | | | | | S ^U 50 | | 1 | N=3 | | |
| -3 -3 | | | | | | | | | | | | | S ^U 50 | - | | 6,5,6 N=11 | | |
| 3.7 4 5 | CLAY — hard, red brown grey clay with some silt | | | | | | | | | | | | S | | | 5,15,18 N=33 | | |
| 5.8 - 6 | - shaly from 5.5m SHALE — extremely low to very low strength, extremely to highly weathered, dark grey shale | | | | | | | | | | | | S | | | 8,35/150mm ref | | |
| 7.6 | SANDSTONE – extremely low to very low strength, extremely to highly weathered, light grey brown sandstone | | | | | | | | | | | | S | · | | 14,40/150mm ref | | |
| -8 8.8 | SANDSTONE medium strength. | | | | | | 1 | | | | 1 | | S | | | 20,25/130mm ref PL(A)=0.4MPa | | |
| 9 | moderately then slightly weathered, slightly fractured, brown, light grey, medium to coarse grained sandstone with some extremely to very low strength bands | | 1 1 1 | | | | | | | | I | | С | 100 | 81 | PL (A)=0.4MPa | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HELGSTEDT

CASING: NW TO B.BM

TYPE OF BORING: SFA TO 8.8m, THEN NMLC CORING

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING **REMARKS:**

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength I_s (50)MPa S standard penetration test

C core drilling

Ux x mm dia. tube pp pocket penetrometer (kPa) V Shear Vane (kPa)

CHECKED: Initials:



CLIENT: BAULDERSTONE HORNIBROOK

PROJECT: HENRY DEANE PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282

SURFACE LEVEL: 2016

DIP OF HOLE: 90'

BORE No: 2 DATE: 17 APRIL 98

SHEET 2 OF 2

AZIMUTH:

| Description Observation | LUCA | ILUN: LEE STREET, SYDNEY | | | | | | υ. | וץ | UF | - - | 101 | _E: | : 9 | 3U. | | | | AZIMUTH: |
|--|----------------|--|---------|-------------------|---|---------------------|--|---------------------------|-------------------------|------------|---|--------------------------|-------------------|--------------------------|----------|----------------|----------------|----------|-------------------------------|
| SANDSTONE - medium strength scattering than signify weathered, signify fractural, brown, light grey, medium to corate a prime 3 and stone with bands 12.0 TEST BORE DISCONTINUED AT 12.8 44 45 46 46 | | | c Log | | | ive | | No Cahe | n- esive | 1 | | Stre | engti | | | | | | |
| SANDS FOR Emercians at rength support of the property of the p | | Strata | Graphic | Very Saft | | Stiff Very Stiff | Hand Very Longe | Lause | Med, Dense Dense | Very Dense | Ex. Low | Tak | Wedium | Very High | Ex. High | Sample Type | Core Rec. % | RQD % | Test Results & Comments |
| 12.6 TEST BORE DISCONTINUED AT 12.6 44 45 46 47 48 49 49 49 40 40 40 40 40 40 40 | | some extremely to very low strength | | | | | | | | | 1 1 1 | | | | | | | | |
| TEST BORE DISCONTINUED AT 12.8 METRES 44 45 46 48 49 | -12 - | | | | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | С | 100 | 100 | PL (A)=0.8MPa |
| 44 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48 | | TEST BORE DISCONTINUED AT 12.8 METRES | 1 | | | 1 1 | T | 1 1 | | | 1 | ! ! ! ! ! ! | - | 1 | | | | | |
| 49 49 | | | | | 1 1 | 1 1 1 1 1 1 1 1 | | ĹΪ | 1 | | 1 1 1 1 : | 1 1 1 1 1 1 1 1 | 1 | 1 1 1 1 1 1 1 1 | | | | | |
| 46 | -14 -14 | | | | | | | | 1 1 1 1 1 1 1 1 1 1 1 1 | | !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! | | 1 1 1 1 1 1 1 1 1 | | | | | | |
| H6 | 1 5 | | | | ! 1 1 1 1 1 1 | 1 | made de la colonia de la colon | | | | 1 | | | | | | | | |
| IF 1 | 16 | | | 1 1 1 1 1 | | | | 1 1 | | | | | | | | | | | |
| 18 | | | | 1 | | | | | 1 1 | | 1 | İ | | | | | | | |
| 18 | | | | | | | | | 1 1 1 1 1 1 1 1 1 | | | | | | | | | | |
| 19 | | | | 1 1 1 1 1 1 1 1 1 | | | | | 1 1 1 1 1 1 1 1 1 | | | | | | | | | | |
| | 19 | | | 1 1 1 1 1 | | | | { | | | | | | | | | | | |
| | | | | | | | | | 1 1 1 1 1 1 1 | | 1 1 | | | 1 1 1 1 1 1 1 1 | | | | - | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HELGSTEDT

CASING: NW TO 8.8m

TYPE OF BORING: SFA TO 8.8m, THEN NMLC CORING

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING **REMARKS:**

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength $I_{\rm S}$ (50)MPa S standard penetration test

Ux x mm dia. tube pp pocket penetrometer (kPa) V Shear Vane (kPa)





CLIENT:

BAULDERSTONE HORNIBROOK

DATE: 16 APRIL 98 PROJECT No.: 27282 BORE No. 3

PROJECT: HENRY DEANE PARK PROJECT

SHEET 1 OF 1

LOCATION: LEE STREET, SYDNEY

SURFACE LEVEL: 1977

| | Description | | Sampling & 1 | In Situ Testing | |
|------------|---|------|--------------------|-----------------|------------------|
| Depth m | of Strata | Туре | | Test Results | Core Recovery |
| 0 0.05 | | | 0.2 | | % |
| 1 | FILLING - brown red clay and sand with gravel and bricks, typically loose | S | 0.4 0.5 0.95 | 2,3,2 N=5 | |
| 1.95 | | S | 1.5 1.95 | 3,4,2 N=6 | |
| 1.95 | TEST BORE DISCONTINUED AT 1.95 METRES | | 1.95 | | |
| | | | | | |
| 3 | | | | | |
| " | | | | | |
| 4 | | · | | | |
| | | | | | |
| 5 | | | | | |
| | | | | | |
| 6 | | | | | |
| | | | | | |
| 7 | | | | | |
| | | | | | |
| 8 | | | | | |
| - 8 | | | | | |
| | | | | | |
| 9 | | | | | |
| 9 | | | | | |
| <u> 10</u> | | | | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HELGSTEDT

CASING:

TYPE OF BORING: SPIRAL FLIGHT AUGER

GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample

B Bulk sample

M Moisture content (%) pp Pocket Penetration (kPa)

D Disturbed sample HV Hand Vane

Ux x mm dia. tube Wp Plasite limit (%) Initials:

CHECKED:



CLIENT:

BAULDERSTONE HORNIBROOK

DATE: 16 APRIL 98

BORE No. 4

PROJECT: HENRY DEANE PARK PROJECT

PROJECT No.: 27282

SHEET 1 OF 1

LOCATION: LEE STREET, SYDNEY

19.8 SURFACE LEVEL:

| | Description | | | Sampling & | In Situ Testing | |
|------------|--|---|------|-------------------|-----------------|------------------|
| Depth m | of Strata | | Туре | Depth (m) | Test Results | Core Recovery |
| 0.15 | BITUMINOUS CONCRETE AND ROADBASE FILLING - brown sand and brown grey clay with sandstone rubble and railway ballast | | B | 0.2 0.4 0.5 | 1,1,4 N=5 | |
| 1.88 2 | TEST BORE DISCONTINUED AT 1.88 METRES | | S | 1.5 | 2,10,15/80mm | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | į | | | | |
| 9 | | | | | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HELGSTEDT

CASING:

TYPE OF BORING: SPIRAL FLIGHT AUGER

GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A. Auger sample

HV Hand Vane

M Moisture content (%)

B Bulk sample D Disturbed sample pp Pocket Penetration (kPa)

Ux x mm dia. tube

Wp Plasitc limit (%)





CLIENT: BAULDERSTONE HORNIBROOK

DATE: 16 APRIL 98

BORE No. 5

PROJECT: HENRY DEANE PARK PROJECT

PROJECT No.: 27282

SHEET 1 OF 1

LOCATION: LEE STREET, SYDNEY

SURFACE LEVEL: 195

| | Description | | Sampling & | In Situ Testing | |
|------------|---|------|---------------------------|-----------------|-----------------------|
| Depth m | of Strata | Туре | Depth (m) | Test Results | Core Recovery % |
| 1 | FILLING – brown soil with ash and brown clay | B S | 0.2 0.4 0.5 0.95 | 2,5,6 N=11 | |
| 1.2 | CLAY - stiff, olive yellow brown mottled red brown clay with ironstone bands | s | 1.5 | 5,6,6 N=12 | |
| 2 1.95 | TEST BORE DISCONTINUED AT 1.95 METRES | | 1.95 | | |
| 3 | | | | | |
| - 4 | | | | | |
| -5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| -8 | | | | | |
| -9 | | | | | |
| 10 | | | | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HELGSTEDT

CASING:

TYPE OF BORING: SPIRAL FLIGHT AUGER

GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample

HV Hand Vane

M Moisture content (%) pp Pocket Penetration (kPa)

B Bulk sample D Disturbed sample

Ux x mm dia. tube

Wp Plasite limit (%)

CHECKED:



CLIENT: BAULDERSTONE HORNIBROOK

PROJECT: HENRY DEANE PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282

SURFACE LEVEL: 203

DIP OF HOLE: 90'

BORE No: 6

DATE: 17 APRIL 98 SHEET 1 OF 2

AZIMUTH:

| | TION. LEE STREET, STUNET | | | | | | | | | 101 | | | | | | | | AZIMUTH: | |
|-------|---|-------------------|--------------------------|---|--------------------|---------------------|-------------------------------|------------|---------|---|-------------|---------------------------------|--------|------|----------------|--|-----------|-------------------------------|--|
| Depth | Description | Fog | Col | nesive | Soi | | Non- hes iv | e | | Ro Stre | ock engt | :h | | | | | pling & 1 | in Situ Testing | |
| (m) | of Strata | Graphic Log | Very Saft | Stiff | Very Stiff Hard | Very Logge Logge | Med, Dense | Very Dense | Ex. LOW | 1 1 | Wedium | Very High | Sample | Туре | Core Rec. % | RGD % | | Test Results S Comments | |
| · | FILLING — dark brown grey clayey silty sand with blue metal and sandstone gravels and some rootlets | | | | 1 | 1 1 1 1 1 1 1 1 | | | | | 1 1 1 1 1 | | | Δ | | | | | |
| | | \times | | 1 1 | | 1 | | | | | | | | | | | | 1.10.15 | |
| 1.4 | CLAY - hard plive yellow mothled red clay | \Longrightarrow | | 1 1 1 1 1 1 1 1 | |]]]] | | | 1 1 1 1 | | 1 1 1 | | | S | | | | 1,10,15 N=25 | |
| | CLAY - hard, olive yellow mottled red clay with some silt and ironstone bands | | 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 | 1 1 1 1 | 1 1 1 | ! ! ! ! ! ! ! ! | 1 | 1 1 1 | | 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 | U | 50 | | | | | |
|) | | | | 1 1 | | | | | 1 | 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 | | | | | | | | |
| | | | | | | | | | | | 1 | | Š | S | | and a second sec | | 10,15,20/100mm refusal | |
| 3.05 | SHALY CLAY – hard, brown grey shaly clay with some silt and ironstone gravels | -/-/ | 1 1 1 1 1 1 1 1 1 1 1 1 | | | 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 | | 1 1 1 1 | | | | | | | | |
| | | -/-/ -/-/ | 1 1 | | 1 | 1 1 1 1 1 1 | | | 1 1 | 1 | | 1 I 1 I 1 I 1 I | | | | | | 8,18,25/100mm | |
| | | -/-/ -/-/ | | | | 1 1 1 1 | | | | [| | | ļ | S | | | | refusal | |
| | | -/-/ -/-/ | | | | | | 1 1 | 1 1 1 | | 1 | 1 1 1 1 1 1 1 1 1 | | | | | | | |
| | | -/-/ -/-/ | | 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 | | | 1 | | ! ! ! | 1 1 1 1 1 1 1 1 1 1 1 | | | | | | 8,30/120mm | |
| | | -/-/ -/-/ | 1 1 | | | | i i i i i | | 1 | | 1 1 1 1 1 1 | | (| G) | | | | refusal | |
| | - | - <u>-</u> | 1 1 1 1 1 1 1 1 1 | | 1 | 1 | | 1 | 1 | i i | 1 | | | | | | | | |
| | | - <u>-</u> - | 1 1 1 1 1 1 1 1 | | | 1 1 1 | | 1 1 1 1 | 1 | | 1 1 1 1 1 | | | | | | | 8,26/150mm | |
| 7.2- | SHALE — very low to low strength, highly weathered, fractured dark grey shale | | 1 1 | | 1 | 1 | | | | | 1 | | | S | | | · · · | refusal PL (A)=0.1MPa | |
| 7.81 | SANDSTONE — low to medium strength, highly to moderately weathered, slightly fractured, light grey yellow medium grained sandstone | | | 1 | | | 1 1 | | | 1 | | 1 1 | | | 75 | 58 | | PL (A)=0.3MPa | |
| 8.3 | CORE LOSS – possibly due to very low strength sandstone | | | / | /- | · | | | | - | | | | | | | | | |
| | | | | | | | × | | | | | | | | 73 | 60 | | | |
| 9.4 | SANDSTONE - low to medium then medium strength, moderately to slightly weathered, slightly fractured brown red and yellow, medium to coarse grained sandstone with some extremely to very | · · · · · | 1 1 | 1 1 | | | | | | | i | | | | 13 | OU | | PL (A)=0.3MPa | |

TYPE OF BORING: SFA TO 7.4m, THEN NMLC CORING

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING **REMARKS:**

SAMPLING & IN SITU TESTING LEGEND

A auger sample

B bulk sample

PL point load strength I_s (50)MPa S standard penetration test

C core drilling

pp pocket penetrometer (kPa) V Shear Vane (kPa)

Ux x mm dia. tube





CLIENT:

BAULDERSTONE HORNIBROOK

PROJECT No: 27282

DATE: 17 APRIL 98

PROJECT: HENRY DEANE PARK PROJECT

LOCATION: LEE STREET, SYDNEY

SURFACE LEVEL: 20.3

SHEET 2 OF 2

BORE No: 6

DIP OF HOLE: 90'

AZIMUTH:

| | TION: LEE STREET, STUNET | | DIF O | F HOLE: 90 | | AZIMUTH: |
|-------|--|-------------|---|---|-------------------------|---|
| Depth | Description | ; Log | SOI Non- Cohesive Cohesive | Rock Strength | | In Situ Testing |
| (m) | of Strata | Graphic Log | Very Soft Soft Firm Stiff Hard Very Stiff Hard Oery Loose Loose Dense | Ex. Low Very Light High Very High Sample TVDR | Core RGD RGD % | Test Results & Comments |
| 1 | SANDSTONE — low to medium then medium strength, moderately to slightly weathered, slightly fractured brown red and yellow, medium to coarse grained sandstone with some extremely to very low strength bands | | | c | 73 60 | PL (A)=0.5MPa PL (A)=0.8MPa PL (A)=0.9MPa |
| 11.6- | TEST BORE DISCONTINUED AT 11.6 METRES | | | | | TE (A)**0.9MI B |
| 3 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HELGSTEDT

CASING: NW TO 7.4m

TYPE OF BORING: SFA TO 7.4m, THEN NMLC CORING

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength $I_{\rm S}$ (50)MPa S standard penetration test

C core drilling pp pocket penetrometer (kPa) V Shear Vane (kPa)

Ux x mm dia. tube







CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282B SURFACE LEVEL: 20.2

DIP OF HOLE: 90

BORE No: 101 DATE: 8-9/2/99 SHEET 2 OF 2

AZIMUTH:

| | TOTAL CONTENT, OND | | | DIL OF HOFF: 80. | | | AZIMU | JTH: |
|----------|--|--|--|---|---|------------------------|------------------|-------------------------------|
| Depth | Description | Degree of Weathering Weathering Graphic Log | Rock Strength | Discontinuities | Fracture Spacing | | | Situ Testing |
| (m) | of Strata | 25 등 25 년 일 등 3 등 2 등 2 등 2 등 2 등 2 등 2 등 2 등 2 등 2 | Very Low Low Fred III Her Her Very Her | B - Bedding J - Joint S - Shear D - Drill Break | (m) | Sample Type Core | 7.05 % 2.05 % | Test Results & Comments |
| 11 11 | SANDY CLAY - very stiff, grey brown, red brown sandy clay with ironstone bands and some ironstone gravel | | | Note: fractures along the bedding due to drilling are not recorded | | s | | 4,7,12 N=19 |
| 12 | SANDSTONE - medium strength, moderately to stightly weathered, slightly fractured to unbroken, grey brown, red brown, fine to medium grained sandstone | | | II.78m:50mm very low strength band | 1 - 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | PL (A)=O.8MPa |
| 12.6 | SANDSTONE - high strength, | | | and according | 1 | C 100 | 98 | PL (A)≃O.8MPa |
| -13 | fresh, unbroken, grey, fine to medium grained sandstone with carbonaceous faminae | | | | | ,,,,, | | |
| -14 | TEST PORT Procedury | | | 13.67m;50mm low strength band | | | | PL (A)=1.2MPa |
| | TEST BORE DISCONTINUED AT 14.2 METRES | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 | 3 | | | 11. 1AI-1.20FA |
| -15 | - | 3 1 1 1 1 1 1 1 1 1 | | 1 1 1 1 1 1 1 | | | | |
| 16 · | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 | 1 21 3 1 1 1 1 1 | | | | |
| 7 | | | 3 | 1 | | | | |
| 8 | | | 1 | 1 b F C C C C C C C C C C C C C C C C C C | 11 | | | |
| | | 9 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 | # 1 | | | 77. |
| IG: scou | | 7 | | 3 1 1 | 1 | | | |

DRILLER: COOPER

LOGGED: HOLY

CASING: GL TO 8,5m

TYPE OF BORING: SFA TO 5.5m,ROTARY TO 11.1m,NMLC CORING TO 14.2m WATER OBSERVATIONS: NO FREE GROUNDWATER-OBSERVED WHILST AUGERING REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength $\rm I_{S}$ (50)MPa S standard penetration test

C core drilling

pp pocket penetrometer (kPa)

Ux x mm dia. tube V Shear Vane (kPa)





CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

DATE: 10 FEBRUARY 99 PROJECT No.: 27282B

SURFACE LEVEL: 20.2

BORE No. 102

SHEET 1 OF 2

| Strate Type Depth (m) Test Results Recovery | | Depth | Description | | Sampling & | In Situ Testing | |
|--|--|-------|---|------|------------|-----------------|----------|
| A 4.15 CONCRETE FILLING — grey brown, red brown clay, gravet, ironstone gravel and coke S 2.5 L10 4.10/20mm ref FILLING — grey brown, red brown clay, gravet, ironstone gravel and coke S 2.5 2.42 N=3 2.95 SAND — medium dense, light grey, brown, fine grained sand with brown clayey sand bands SAND — dense to very dense, light grey, white, fine grained sand with brown clayey sand bands S 5.5 12.16.20 N=38 S 7.0 19.25.30 N=55 N=5 N=5 SAND — orange brown, fine to medium grained sand S ANDY CLAY — firm, dark grey sandy clay Others description S ANDY CLAY — firm, dark grey sandy clay Others description of the page of t | | | of Strata | Type | Depth (m) | Test Results | Recovery |
| SAND - medium dense, light grey, brown, fine grained sand 4.8 SAND - dense to very dense, light grey, white, fine grained sand with brown clayey sand bands 5 | | | ballast, bricks, ash and coke | x 5 | | 1 | * |
| SAND - medium dense, light grey, brown, fine grained sand 4.8 SAND - dense to very dense, light grey, white, fine grained sand with brown clayey sand bands 5.5 12,16,20 N=38 7.8 SAND - orange brown, fine to medium grained sand 7.8 SAND - orange brown, fine to medium grained sand CLAY - light brown, grey, red brown clay (Orillers' description) SANDSTONE - see description next page | The state of the s | | FILLING - grey brown, red brown clay, | | 1.17 | ref | |
| SAND - medium dense, light grey, brown, fine grained sand SAND - dense to very dense, light grey, white, fine grained sand with brown clayey sand bands SAND - dense to very dense, light grey, white, fine grained sand with brown clayey sand bands SS | | | | S | | | - |
| Sand bands San | in the second | | SAND — medium dense, light grey, brown, fine grained sand | S | | | |
| 7.6 SAND - orange brown, fine to medium grained sand SANDY CLAY - firm, dark grey sandy clay CLAY - light brown, grey, red brown clay (Drillers' description) SANDSTONE - see description next page | Ē | 4.8 | white, fine grained sand with brown clayey | S | | | |
| 8.7 8.9 9.1 CLAY - light brown, grey, red brown clay (Drillers' description) SANDSTONE - see description next page | THE STATE STATES | 7.6 | | S | | | |
| CLAY - light brown, grey, red brown clay (Drillers' description) SANDSTONE - see description next page | | 8.9 | SANDY CLAY - firm, dark grey sandy clay | S | | | |
| | 10 | a.1 | (Drillers' description) | | | 9.20//00 | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HOLY

CASING: -

TYPE OF BORING: SPIRAL FLIGHT AUGER TO 10.6m

GROUND WATER OBSERVATIONS: FREE GROUNDWATER OBSERVED AT 6.8m

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample B Bulk sample

O Disturbed sample HV Hand Vane

M Moisture content (%) pp Pocket Penetration (kPa)

Ux x mm dia, tube Wp Plasite limit (%)

CHECKED: Initials: ATT Date: 3/97



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CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

DATE: 10 FEBRUARY 99
PROJECT No.: 27282B

BORE No. 102 SHEET 2 OF 2

LOCATION: LEE STREET, SYDNEY

SURFACE LEVEL: 20.2

| | T. CEE OTHER, STENET | SURFA | ICE LEVEL: 20.2 | | |
|----------|---|-------|-----------------|----------------|----------|
| . | Description | | Sampling & I | n Situ Testing | |
| Depth | of | | | | Core |
| m 10 | Strata | Туре | Depth (m) | Test Results | Recovery |
| 10.6 | SANDSTONE - extremely low to very low strength, extremely weathered, grey brown, red brown, fine to medium grained, micaceous sandstone TEST BORE DISCONTINUED AT 10.6 METRES - T/C refusal at 10.6m | S | 10.25 | | * |
| 2 | | | | | - |
| 3 | | | | | ÷ |
| 4 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HOLY

CASING: -

TYPE OF BORING: SPIRAL FLIGHT AUGER TO 10.6m

GROUND WATER OBSERVATIONS: FREE GROUNDWATER OBSERVED AT 6.8m

REMARKS:

•

SAMPLING & IN SITU TESTING LEGEND

A Auger sample B Bulk sample

M Moisture content (%)
pp Pocket Penetration (kPa)

D Disturbed sample HV Hand Vane

Ux x mm dia. tube Wp Plasite limit (%) CHECKED:

Date: 3/94



DOUGLAS PARTNERS PTY LTD
HENRY DEAN PARK PROJECT - SYDNEY
BORE 3 PROJECT 27282B FEBRUARY 1999
SYDNEY 27282B DH3
GOT
RCTARY DRILLING 700 nm s

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ILSI BORE REPORT

CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282B SURFACE LEVEL: 20.2

DIP OF HOLE: 90'

BORE No: 103 DATE: 9/2/99 SHEET 1 OF 2

AZIMUTH:

| | | - - | Ç7 | | | OLL. 30 | | | | AZ | ZIMUTH: |
|-------------------------------------|--|-----------------------------|--------------------|---|---|---|----------|---|----------------|----------------|-------------------|
| Depth | Description of | Degree of Weathering | Graphic Log Lov | Rock Strength | Discon | tinuities | Spa | ture cing | | | & In Situ Testing |
| (m) | Strata | 医全套病促生 | Grap X Low | Kery Lor Federal Kery Hor Kery Hor | B - Bedding S - Shear | J – Joint D – Orli Break | 1 ' | m) SSO: (m) | Sample Type | Core Rec. % | Test Resul |
| | FILLING — railway ballast, brick and sandstone (Drillers description) | . | XX | | | | 1 11 | D1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | <u> </u> | Comments |
| 1.2 | FILLING – brown, red brown sandy clay, gravel, coke, ash and ironstone gravel | | | | | | | 1 | | | |
| 2.7 | SAND - very loose, yellow, fine to medium grained sand SAND - dark grey, fine grained sand | | | 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | s | | - 1,1,2 N=3 |
| . 1 | CLAYEY SAND – loose to medium dense, yellow brown, fine grained sand with grey brown sandy clay bands | | XXXXX | 1 | | | | ¦ | 5 | | 2,4,6 N=10 |
| 5.6 | SAND – orange yellow, red sand (Drillers' description) SILTY CLAY – firm, grey prown, red brown silty clay with ironstone bands and some ironstone gravel | | | | Note: fractur along the bed due to drilling not recorded | ding i | | S | | | 3,2,3 N=5 |
| 0 m h W | SANDSTONE - interbedded extremely low to very low and ledium to high strength, ighly and moderately eathered, fractured, grey, ed brown, fine grained andstone | 5 | | | ore loss 560r | | | | 57 | 8 | |
| 7.9 | SPT at 8.5m | | | R. A. | otary drilling Jomm | 1 | <u> </u> | | | | 15/50mm |
| 8.9 9.0 1.24 .44 .59 5A | INDSTONE – see over | | | pl Cc | 65° and 70° anar smooth ore loss 100mi | n . | | C | 75 93 | 91 | ref |
| 1 | | | | | | 1 | | 1 | | | PL (A)=0.8MF |

CASING: GL TO 5.5m

TYPE OF BORING: SFA-5.5m,*RD-6.6m,NMLC-7.9m,*RD-8.6,NMLC-11.8m

WATER OBSERVATIONS: NOT RECORDED

REMARKS: *RD = ROTARY DRILLING

SAMPLING & IN SITU TESTING LEGEND

A auger sample

PL point load strength $I_{\rm S}$ (50)MPa

B bulk sample C core drilling

S standard penetration test Ux x mm dia, tube

pp pocket penetrometer (kPa)

V Shear Vane (kPa)





DOUGLAS PARTNERS PTY LTD
HENRY DEAN PARK PROJECT - SYDNEY
BORE 3 PROJECT 27282B FEBRUARY 1999

11.
12.
13
14
15
11.00 - 11.80 M

T C

CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282B **SURFACE LEVEL: 20.2**

DIP OF HOLE: 90'

BORE No: 103 DATE: 9/2/99 SHEET 2 OF 2

AZIMUTH:

| | | - 2 D | Dt- | DI OF HULE, 90 | | | MUTH: |
|--|---|---|------------------|---|---|------------------------|-----------------|
| Depth | Description of | Degree of Weathering Graphic Log | Rock Strength | Discontinuities | Fracture Spacing | | In Situ Testing |
| (m) | Strata | 图 · 图 · 图 · 图 · 图 · 图 · 图 · 图 · 图 · 图 · | Key Hon | B - Bedding J - Joint S - Shear D - Drill Break | (w) s | Type Core Rec. % | Test Results |
| -10 II.0;- | SANDSTONE - medium strength, moderately and slightly weathered, slightly fractured, grey brown, red brown, fine to medium grained carbonaceous sandstone with extremely low and low strength bands SANDSTONE - high strength, slightly weathered, slightly fractured, grey brown, fine to medium grained, carbonaceous sandstone | | | 10.69m;J 35* planar smooth -10.87m & 10.89m B 0' and 10' 2mm sandy clay | 000 000 000 000 000 000 000 000 000 00 | | PL (A)=1.3MPa |
| -12 -13 -14 -15 -17 -18 | | | | | | | |
| RIG: scou | | ER: COOPER | | GED* HOLY | CAC | | |

DRILLER: COOPER

LOGGED: HOLY

CASING: GL TO 5.5m

TYPE OF BORING: SFA-5.5m,*RD-6.6m,NMLC-7.9m,*RD-8.6,NMLC-II.8m

WATER OBSERVATIONS: NOT RECORDED

REMARKS: *RD - ROTARY DRILLING

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength I_s (50)MPa S standard penetration test

C core drilling

pp pocket penetrometer (kPa)

Ux x mm dia, tube

V Shear Vane (kPa)





CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

DATE: 12 FEBRUARY 99 PROJECT No.: 27282B

SURFACE LEVEL: 20.3

BORE No. 104 SHEET 1 OF 1

| | Donib | Description | | Sampling & | In Situ Testing | |
|--|------------|--|------|-------------|-------------------|------------------|
| | Depth m | of Strata | Туре | Depth (m) | Test Results | Core Recovery |
| aranananahahananan | 0.3 | FILLING - gravel, clay and roadbase (Drillers' description) FILLING - light brown sand, grey brown clayey sand, gravel, ironstone gravel, ash and coke | 8 | 1.0 1.45 | 2,1,1 N=2 | X |
| managamana | 1.7 1.9 | SAND - dark brown sand (Drillers' description) SAND - very loose, light grey, white, fine to medium grained sand with clayey sand bands | | 2.5 | 2,2,3 | |
| | 2.8 3 | CLAYEY SAND - very loose, orange brown, fine to medium grained clayey sand | S | 2.95 | N=5 | 4. |
| manamana | 4 4.05 | SANDY CLAY — stiff, grey brown, red brown sandy clay with ironstone bands and gravel | S | 4.0 4.45 | 5,8,7 N=13 | |
| ուսարուսարուսարուսարուսա Ֆ | | SILTY CLAY — hard, grey brown, red brown silty clay with ironstone bands and gravel | 8 | 5.5 5.95 | 9,19,25 N=44 | |
| 7 | | | S | 7.0 7.2 | 20,25/50mm ref | |
| ուսուսուսուսուրուրուսուսուսուսուսուսուսուսուսուսուսուսուսո | 8.4 | SANDSTONE — extremely low to very low strength, extremely weathered, grey brown, red brown, fine grained sandstone with medium to high strength bands TEST BORE DISCONTINUED AT 8.7 METRES — T/C refusal at 10.8m | | 8.5 8.56 | 30/80mm ref | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HOLY

CASING: -

TYPE OF BORING: SPIRAL FLIGHT AUGER TO 8.7m

GROUND WATER OBSERVATIONS: FREE GROUNDWATER OBSERVED AT 4.2m REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample

HV Hand Vane

B Bulk sample D. Disturbed sample M Moisture content (%) pp Pocket Penetration (kPa)

Ux x mm dia, tube

Wp Plasite limit (%)

Initials: ATT Date: 3/99

CHECKED:



ILSI BORE REPORT

CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282B **SURFACE LEVEL: 20.5**

DIP OF HOLE: 90'

BORE No: 105 DATE: 12 FEBRUARY SHEET 1 OF 2

AZIMUTH:

| | | -9 0 | | DIE OF HO | | T = | | | | JTH: |
|-----------|--|--|-------------------------------|--|---|------------------|-----------|----------|------------|-----------------------|
| Depth | Description | Degree of Weathering Weathering | Rock Strengti | | nuities | Fractu Spacin | g | | | Situ Testing |
| (m) | of Strata | 프로 등 상 () 전 () | EX LOW Very Low Horizon | 5 B−Bedding J S−Shear D | | 드 원호 명((m) | S Section | S Single | <u>6</u> * | Test Results |
| | FILLING - railway ballast | liiii XX | | E 3-3lea D | - Life Eveak | 5000 | | - 0 4 | 1 000 | Comments |
| 0.3 | (Drillers' description) FILLING – grey brown and yellow clayey sand, ironsto gravel, crushed shale, slag coke and ash | one | | | | 1 | | | | 1,3,4 N=7 |
| 2.3 | FILLING – brown, red brows sandy clay, ironstone grave coke and ash | | | | 1 | | S | | | 2,3,5 N=8 |
| 3.5 | CLAY – hard, grey brown, re brown clay with ironstone bands and gravel | ed | | | | | s | | | 21,13,19 N=32 |
| -6 | | | | | 1 2 1 2 1 1 1 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | S | | | 6,14,26/110mm ref |
| -, | SHALE – extremely low to very low strength, extremely weathered, grey brown, red brown shale with low to medium strength bands | | | | 1 | | S | | 1,000 | 30/150mm ref |
| t | SANDSTONE — extremely low o very low strength, extremely weathered, grey brown, red brown, fine to nedium grained sandstone | | | Note: fractures along the bedding the bedding au not recorded Core loss 240mm | ng l | | 5 | | | 30/100mm ref |
| 9 8.86 Sh | SANDSTONE — medium and igh strength, slightly reathered to fresh, slightly reactured and unbroken, grey rown, red brown, fine to redium grained, micaceous and stone with very low and ow strength bands | | | | | | С | 88 8 | 6 PI | _ (A)=0.6 M Pa |
| RIG: sco | UT | DRILLER: COOPER | | OGGED: HOLY | | <u> </u> | CAS | | | |

CASING: GL TO 5.5m

TYPE OF BORING: SFA-5.5m, ROTARY DRILL-8.6m, NMLC CORING-11.6m

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING **REMARKS:**

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength I, (50)MPa

C core drilling pp pocket penetrometer (kPa)

S standard penetration test Ux x mm dia. tube V Shear Vane (kPa)





DOUGLAS PARTNERS PTY LTD
HENRY DEAN PARK PROJECT - SYDNEY
BORE 5 PROJECT 27 282B FEBRUARY 1999

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OF THE PROJECT 27 282B FEBRUARY 1999

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OF THE PROJECT 29 282B FEBRUARY 1999

OF THE PROJECT 2

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IESI BUKE KEPORT

CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282B **SURFACE LEVEL: 20.5**

DIP OF HOLE: 90"

BORE No: 105 DATE: 12 FEBRUARY 99

SHEET 2 OF 2

AZIMUTH-

| LOUN | TION, LLL STREET, STON | | | | DIL OF HOFF: 80. | | Α | ZIML | JTH: |
|----------------|--|---|---------------------------------------|---|---|----------------------------|------------------------|--|-------------------------------|
| Depth | Description | ree of thering | Graphic Log | Rock Strength | Discontinuities | Fracture Spacing (m) | Samplin | g & In : | Situ Testing |
| (m) | of Strata | EW Washering SW FS FS | Grapt | E LON New Low New York New Yor | B - Bedding J - Joint S - Shear D - Drill Brea | L 152 - 0- | Sample Type Core | P09 % | Test Results & Comments |
| -11 | SANDSTONE — medium and high strength, slightly weathered to fresh, slightly fractured and unbroken, grey brown, red brown, fine to medium grained, micaceous sandstone | | | | 11.07m:8 5° 5mm sandy clay | | C 88 | 86 | PL (A)=0.6MPa |
| -12 | TEST BORE DISCONTINUED AT 11.6 METRES | | | | | | | | - |
| - 15 | | | 797 | | | | | | |
| - 16 | | 1 1 1 1 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | | | | 77.4.4.4.4.7.7.7.4.4.4.7.7.7.4.4.4.7.7.7.4.4.4.7.7.7.4.4.4.7.7.7.4.4.4.4.7.7.4.4.4.7.7.4.4.4.7.7.4.4.4.4.7.4 | |
| 19 | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | |
| 20 RIG: 500 | | FP* COOK | E | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 | | | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HOLY

CASING: GL TO 5.5m

TYPE OF BORING: SFA-5.5m,ROTARY DRILL-8.6m,NMLC CORING-11.6m

WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample 8 bulk sample

PL point load strength $I_{\rm S}$ (50)MPa S standard penetration test

C core drilling pp pocket penetrometer (kPa)

Ux x mm dia, tube V Shear Vane (kPa)





CLIENT: BAULDERSTONE HORNIBROOK

PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282B

SURFACE LEVEL: 20.2

DIP OF HOLE: 90'

BORE No: 106
DATE: 10 FEBRUARY 6

SHEET 1 OF 2

AZIMUTH:

| | DATION, CEE STREET, STE | | | DIT OF HOLE: 80 | | AZIMI | JTH: |
|-------------------|--|-------------------------|------------------|-------------------------|---------------------|---------------|--------------------------|
| De | pth Description | Degree of Weathering | Rock Strength | Discontinuities | Fracture Spacing | Sampling & In | Situ Testing |
| | of | Segre reath | | | Objective | | Tori Possilla |
| , " | n) Strata | 五季毫易犯任 古 | | S - Shear D - Drif Brea | Samp Services | Pec. % | & Comments |
| | FILLING – grey sand, railway ballast, concrete, sandstone, rubble, grey red brown sandy clay and ironstone gravel 1.6 FILLING – grey, red brown | | | | | | 5,4,4 N=8 |
| -2 | clay with ironstone bands, gravel, ash and coke | | | | 8 | | - 1,2,1 N=3 |
| -5 | FILLING — light grey brown sand, brown clayey sand and some cobbles | | | | S | | 1,2,3 N=5 |
| - 6 | SAND — medium dense, light grey, white, fine to medium grained sand with some brown clayey sand bands | | | | 5 | - | 1,10,12 N=22 |
| 7.7 | CLAYEY SAND — dense, light grey to grey, fine grained sand | | | | S | | 14,24,2 <i>4</i> N=48 |
| -B | grey brown and red brown sandy clay with some ironstone bands and gravel | | | | 5 | | 2,4,19 N=23 |
| 9,7 10 RIG: | SANDSTONE – see description next page | TI I EP: COOPER | 1 | | 3 | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HOLY

CASING: GL TO 5.5m

TYPE OF BORING: SFA-5.5m, DRILLING WITH MUD-10.1m, NMLC CORING-12.1m
WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample B buik sample

PL point load strength I_s (50)MPa

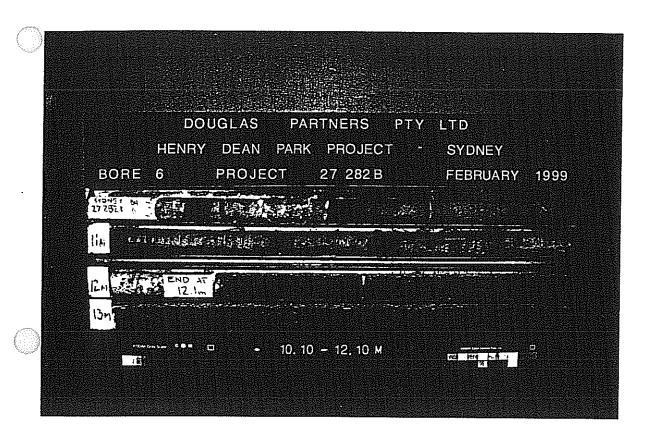
S standard penetration test

C core drilling Ux x mm dia, tube pp pocket penetrometer (kPa) V Shear Vane (kPa)

Initials: AFF

CHECKED;





CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282B SURFACE LEVEL: 20.2

DIP OF HOLE: 90.

BORE No: 106 DATE: 10 FEBRUARY 1 SHEET 2 OF 2

AZIMITH-

| | | 1 - 9 | (0) | | DIL OF HOLE: 80. | | | AZIML | JTH: |
|------------------------------|---|---------------------------------------|----------------|------------------------|---|---------------------|---------|-------------|---------------------|
| Depth | Description of | Degree of Weathering | Graphic Log | Rock Strength | Discontinuities | Fracture Spacing | Sam | ping & In S | Situ Testing |
| (m) | Strata | | G _e | Very Low New Horn | B - Bedding J - Joint S - Shear D - Driff Break | (m) | S S S | Rec. % | Test Results & |
| 19 | SANDSTONE — medium and medium to high strength, | 1 | | m> 2× ± > 0 | J Gee D - Diabledx | 0.00 | S - | 7. E. | Comments 19/60mm |
| -11 | highly and moderately weathered, fractured to slightly fractured, grey brown and red brown, fine to medium grained, micaceous sandstone with extremely low, very low and low strength bands | | | | IO.56m:B IO' 5mm sandy clay | | | | ref PL(A)=0.5MPa |
| -12 | – slightly weathered below | | | | II.35m:B 20° planer smooth 1I.58m:J 65° planer rough stained | | C 10 | 00 88 | PL (A)=1.0MPa |
| 12. | II.85m TEST BORE DISCONTINUED | | ···· | ; ; ; [] ; ; ; | -11.82m:B 5' 2mm sandy clay | | | | Pl (A)=1.0MPa |
| - 13 - 14 - 15 - 16 | AT 12.1 METRES | | | | | | | | |
| 20 | | # 1 1 1 1 1 1 1 1 1 | | 1 | | | | | |
| RIG: sco | נוזמת דנו | FR. COOPER | | 1.00 | CED. | | <u></u> | | |

DRILLER: COOPER

LOGGED: HOLY

CASING: GL TO 5.5m

TYPE OF BORING: SFA-5.5m,DRILLING WITH MUD-10.1m,NMLC CORING-12.1m WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED WHILST AUGERING REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength $I_{\rm S}$ (50)MPa S standard penetration test

C core drilling

pp pocket penetrometer (kPa)

Ux x mm dia. tube V Shear Vane (kPa)

CHECKED: Initials: AA



IEDI BUKE KEPUKI

CLIENT: BAULDERSTONE HORNIBROOK PROJECT: HENRY DEAN PARK PROJECT

PROJECT No: 27282B SURFACE LEVEL: 19.7 DIP OF HOLE: 90 BORE No: 107 DATE: 12 FEBRUARY 9 SHEET 1 OF 2

LOCATION: LEE STREET, SYDNEY

F HOLE: 90' AZIMUTH:

| | | - 2 | DI | J. 01 1 | IOLE. 30 | 1 = . | AZIM | |
|-----------|--|--|------------------|--------------------------|---|----------------------------|----------------------------------|-------------------------|
| Depth | Description | Degree of Weathering Sraphic Log | Rock Strength | | ntinuities | Fracture Spacing (m) | Sampling & In | Situ Testing |
| ~(m) | of Strata FILLING - bricks | EW Degree of SW Weathering SW Meathering FR FR Graphic Log | Very For | B - Bedding S - Shear | | 0.00 | Sample Type Core Rec. % | Test Results & Comments |
| | | | | | | | Α | |
| -3 3.2 | FILLING — yellow brown sand, grey brown and red brown clay and ironstone gravel FILLING — grey brown and red brown clay with ironstone gravel | | | | | | S | - 1,2,1 N=3 |
| -5 | | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | S | 2,2,2 N=4 |
| 6.2 | FILLING - brown sand, grey brown and red brown sandy clay, gravel and ash SAND - dense, light grey and white, fine to medium grained sand with brown, clayey sand bands | | | | 1 | 5 | | 12,25/150 mm ref |
| -8 | | | | | | S | | 4,14,20 N=34 |
| 9.56 S | ILTY CLAY - firm, light grey i | 777 | | | | S | | 10,17,28 N=45 |
| PIC: spec | ravel | | 1 1 1 1 1 | | 11 | | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HOLY

CASING: GL TO 8.5m

TYPE OF BORING: SFA-8.5m,DRILLING WITH MUD-13.8m,NMLC CORING-15.7m

WATER OBSERVATIONS: FREE GROUNDWATER OBSERVED AT 8.2m WHILST AUGERING

REMARKS: W - WASH SAMPLE

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength $\rm I_{\rm S}$ (50)MPa S standard penetration test

C core drilling pp pocket penetrometer (kPa)

Ux x mm dia. tube V Shear Vane (kPa) CHECKED:
Initiats: AFF



DOUGLAS PARTNERS PTY LTD
HENRY DEAN PARK PROJECT SYDNEY
BORE 7 PROJECT 27 282 B FEBRUARY 1999
ESTENEY 27 282 % Er.7

END AT 15.7 m

CLIENT: BAULDERSTONE HORNIBROOK

PROJECT: HENRY DEAN PARK PROJECT

LOCATION: LEE STREET, SYDNEY

PROJECT No: 27282B

SURFACE LEVEL: 19.7 DIP OF HOLE- 90.

BORE No: 107 DATE: 12 FEBRUARY 1

SHEET 2 OF 2

A TTAILITE IS

| LUCA | ITON: LEE STREET, SYD | | | | DIP OF HOLE: 90. | | AZ | IMUTH: |
|---------------|--|-------------------------|------------------|---|---|---|------------------------|-------------------------|
| Depth | | Degree of Weathering | Graphic Log | Rock Strength | Discontinuities | Fracture Spacing | Sampling | & In Situ Testing |
| (m) | of Strata | <u> </u> | Graph | | 8 – Bedding J – Joint 5 – Shear D – Drit Break | 0.00 0.10 0.50 1.00 1.00 | Type Core Rec. % | Test Results & Comments |
| | SILTY CLAY — firm, light grey brown silty clay with some gravel | | | | | | S | 2,3,3 N=6 |
| 10.8 | GRAVELLY SANDY CLAY — hard, grey brown and red brown sandy clay and ironstone gravel | | 00000 | | | | | 413.00 |
| - 12 12.2— | | | 00.00.00 | | | | S | 4,13,20 N=33 |
| 13 | SANDSTONE – extremely low to very low strength, extremely weathered, grey brown, medium grained sandstone with low to medium strength bands | | | | | | | |
| 13.6 | | | | | | | | 25/100mm ref |
| 14 | SANDSTONE – high strength, slightly weathered to fresh, slightly fractured, grey brown, fine to medium grained, micaceous sandstone with carbonaceous laminae | | | | l3.84m:B 20° 2mm sandy cłay | 7 3 1 1 1 1 1 1 1 1 | | PL (A)=1.3M |
| 5 | | | | | 14.74m:20mm very low strength band | | 100 9 | 9 |
| 15.7 | TEST BORE DISCONTINUED | | | F 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | PL (A)=1.3MF |
| | AT 15.7 METRES | | | | | | | |
| | | | | | | | | |
| | | | | | 1 1 1 1 1 | 1 | | 7,7,7 |
| | | | 1 | | 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 | | - | |
| | | |]]]] | | ; ; ; ; | 1 1 | | |
| | 1 | | 1 | 1 | 1 | 11 11 11 11 11 11 11 11 11 11 11 11 11 | | |
| | | | 1 | | t 1 1 | 11 11 | | |

RIG: SCOUT

DRILLER: COOPER

LOGGED: HOLY

CASING: GL TO 8.5m

TYPE OF BORING: SFA-8.5m, DRILLING WITH MUD-13.6m, NMLC CORING-15.7m

WATER OBSERVATIONS: FREE GROUNDWATER OBSERVED AT 8.2m WHILST AUGERING

REMARKS: W - WASH SAMPLE

SAMPLING & IN SITU TESTING LEGEND

A auger sample B bulk sample

PL point load strength I_s (50)MPa S standard penetration test

C core drilling Ux x mm dia, tube pp pocket penetrometer (kPa)

V Shear Vane (kPa)

CHECKED: Initials:





Appendix C: Historical Site Photos (1999)



Appendix C - Historical Photographs



Photo 1. View of the excavation from the northwest of the site. (12/03/1999)



Photo 2. View of the excavations from the northeast of the site. (13/04/1999)



Photo 3. View of the excavation from the north of the site. (03/06/1999)

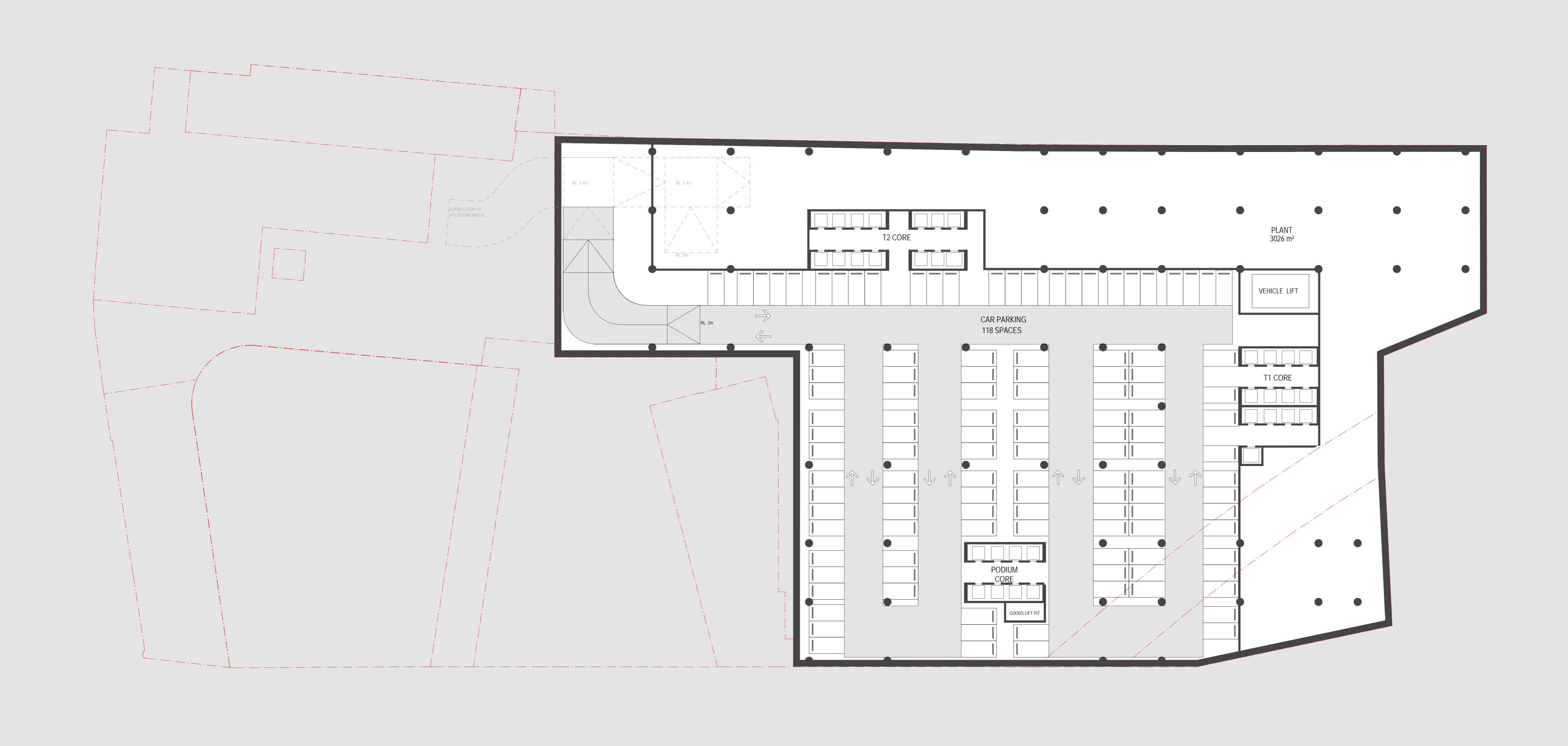


Photo 4. Footings being placed to southern end of SRA House. (03/06/1999)

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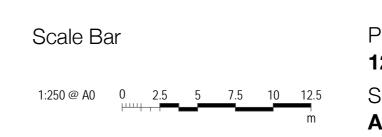
Appendix D: Architect Development Plans





Project
HENRY DEANE PLAZA

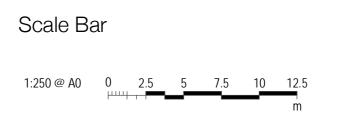


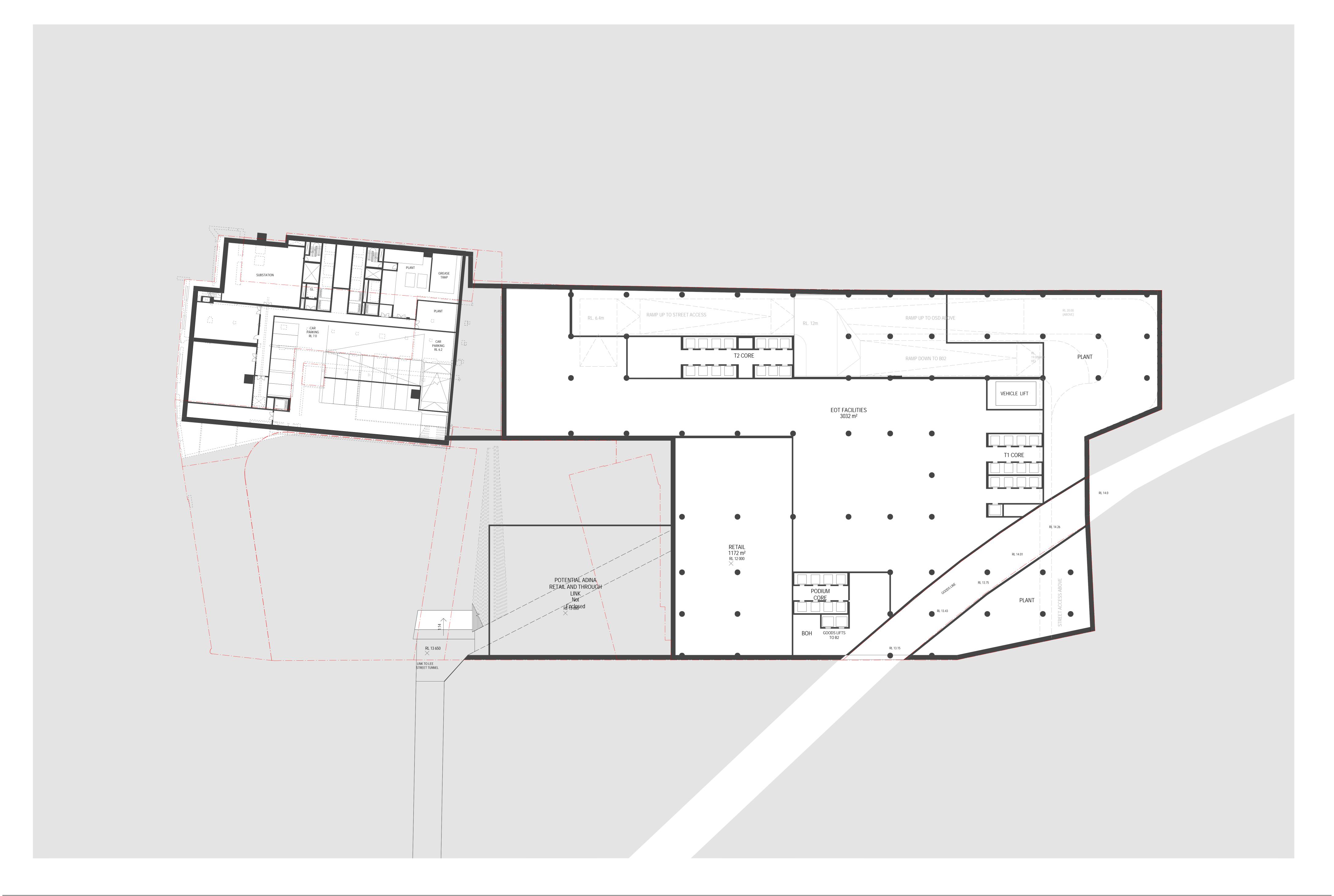




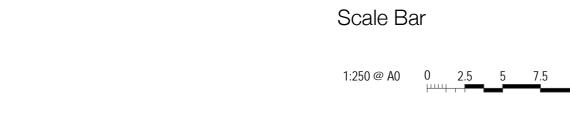


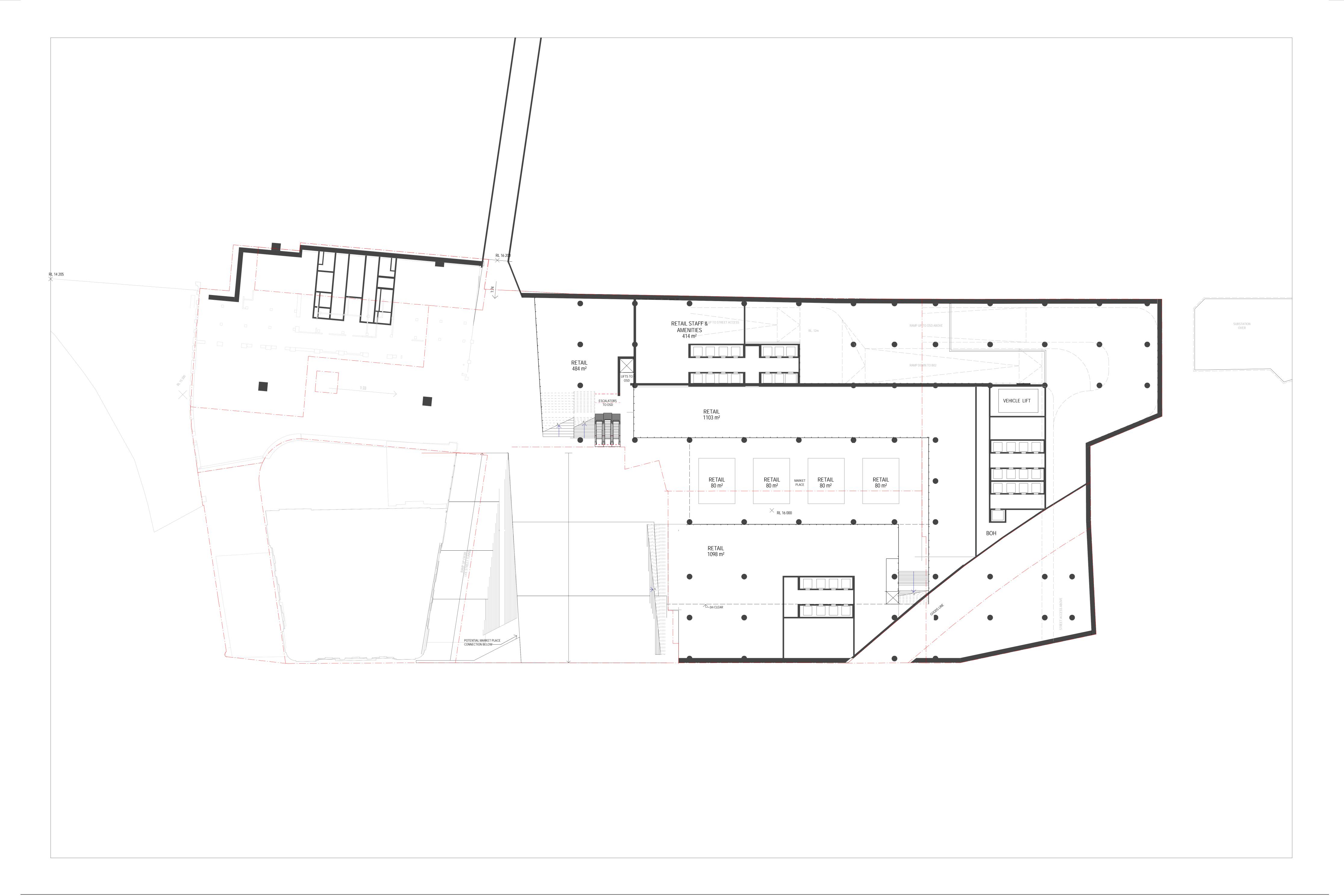




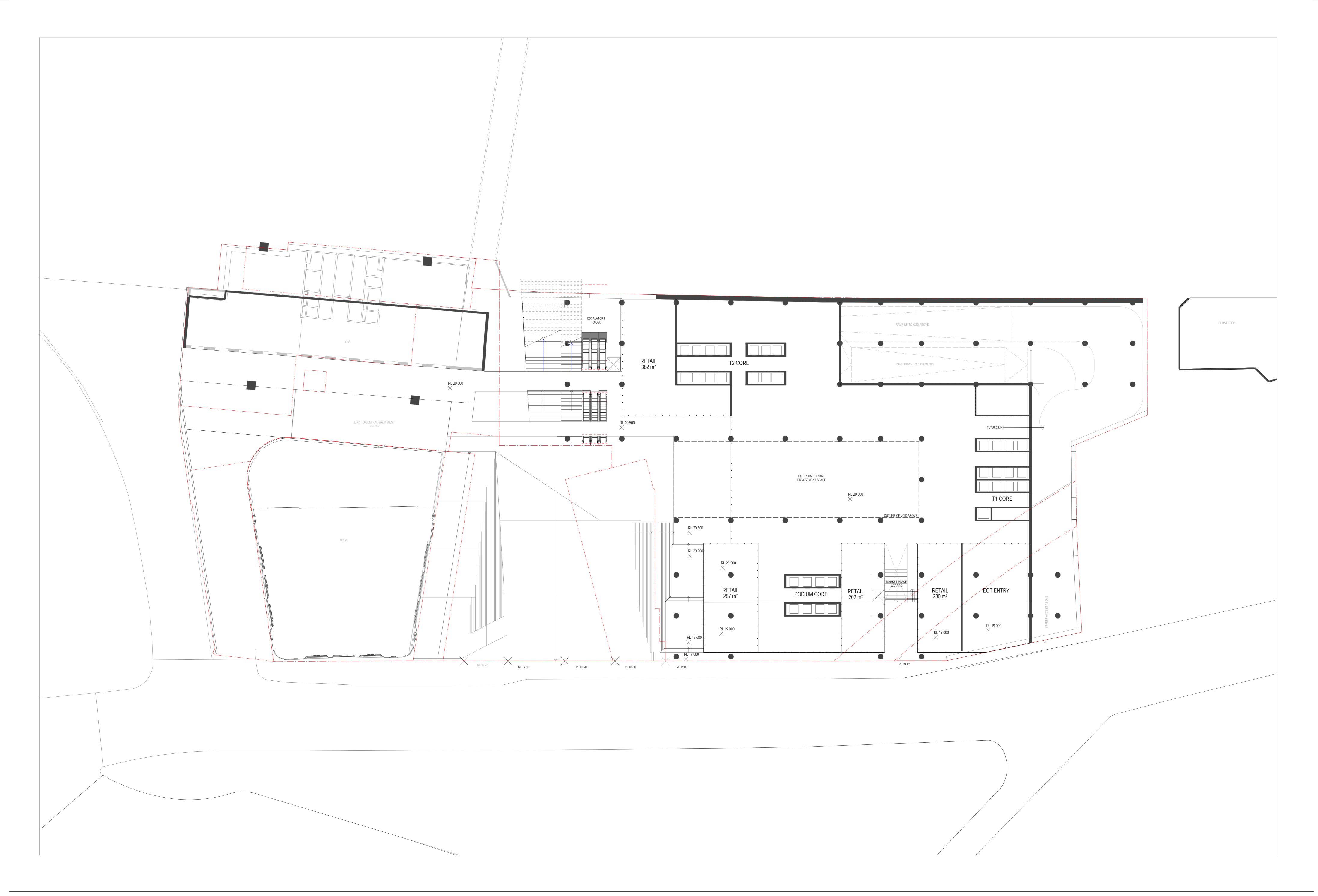




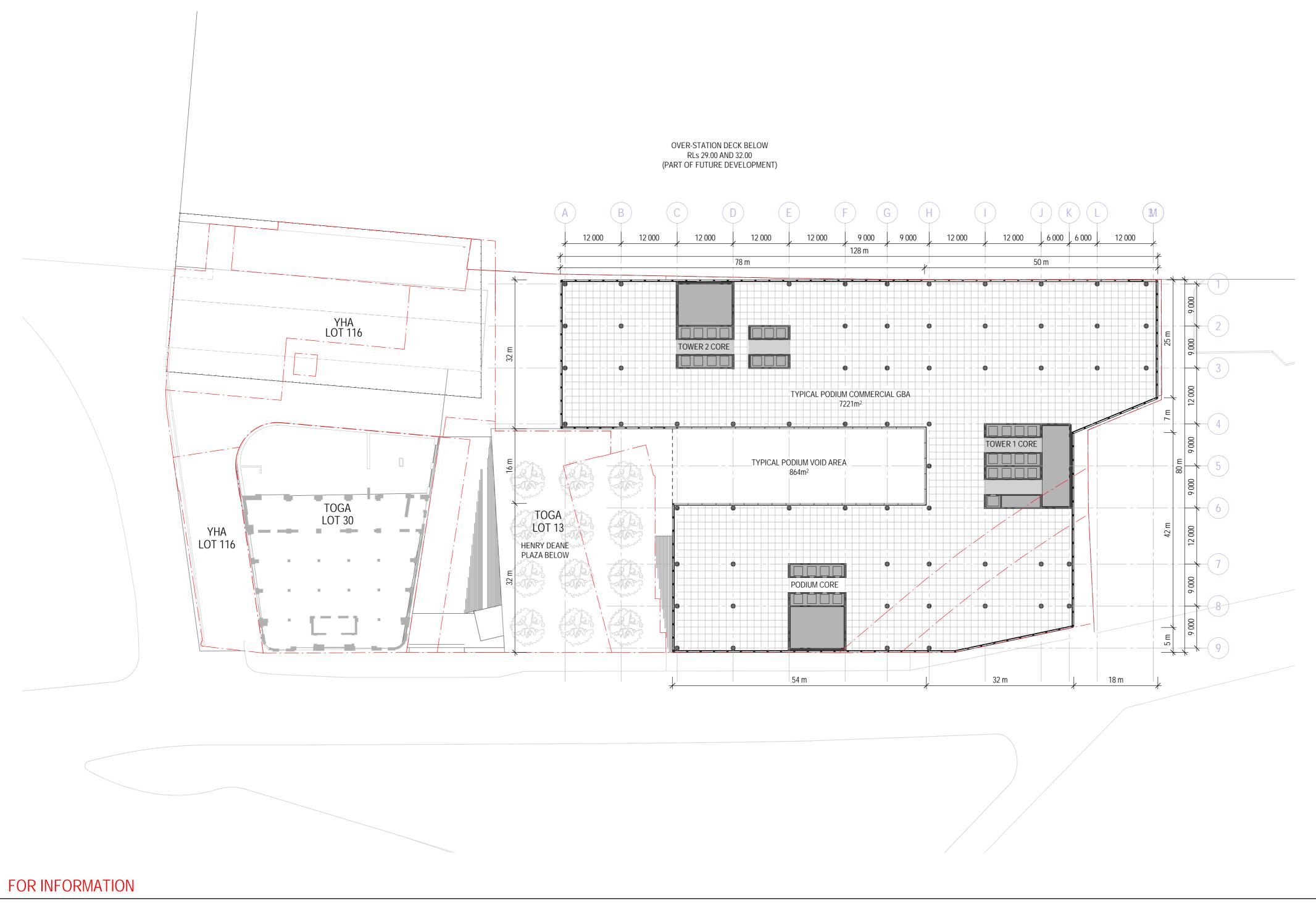




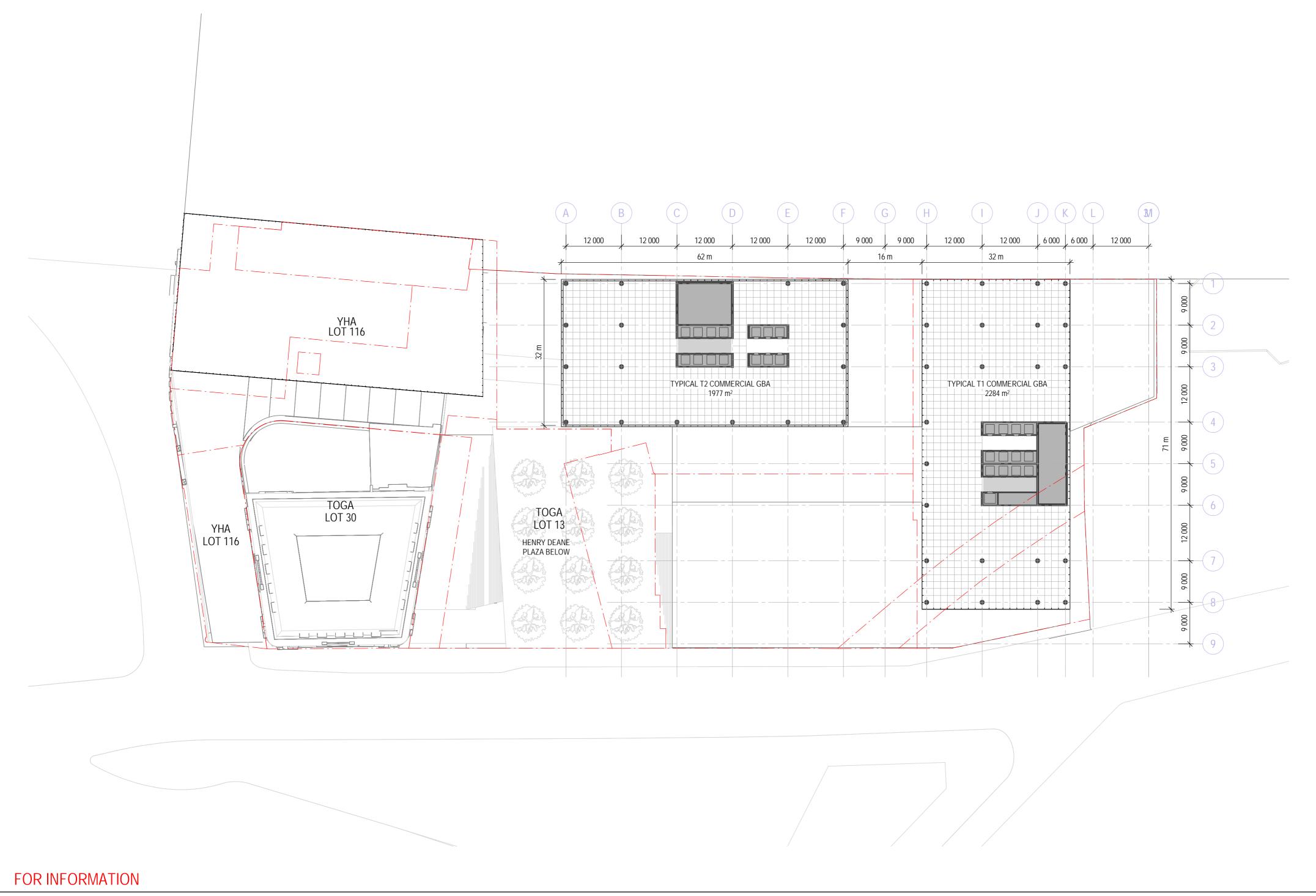




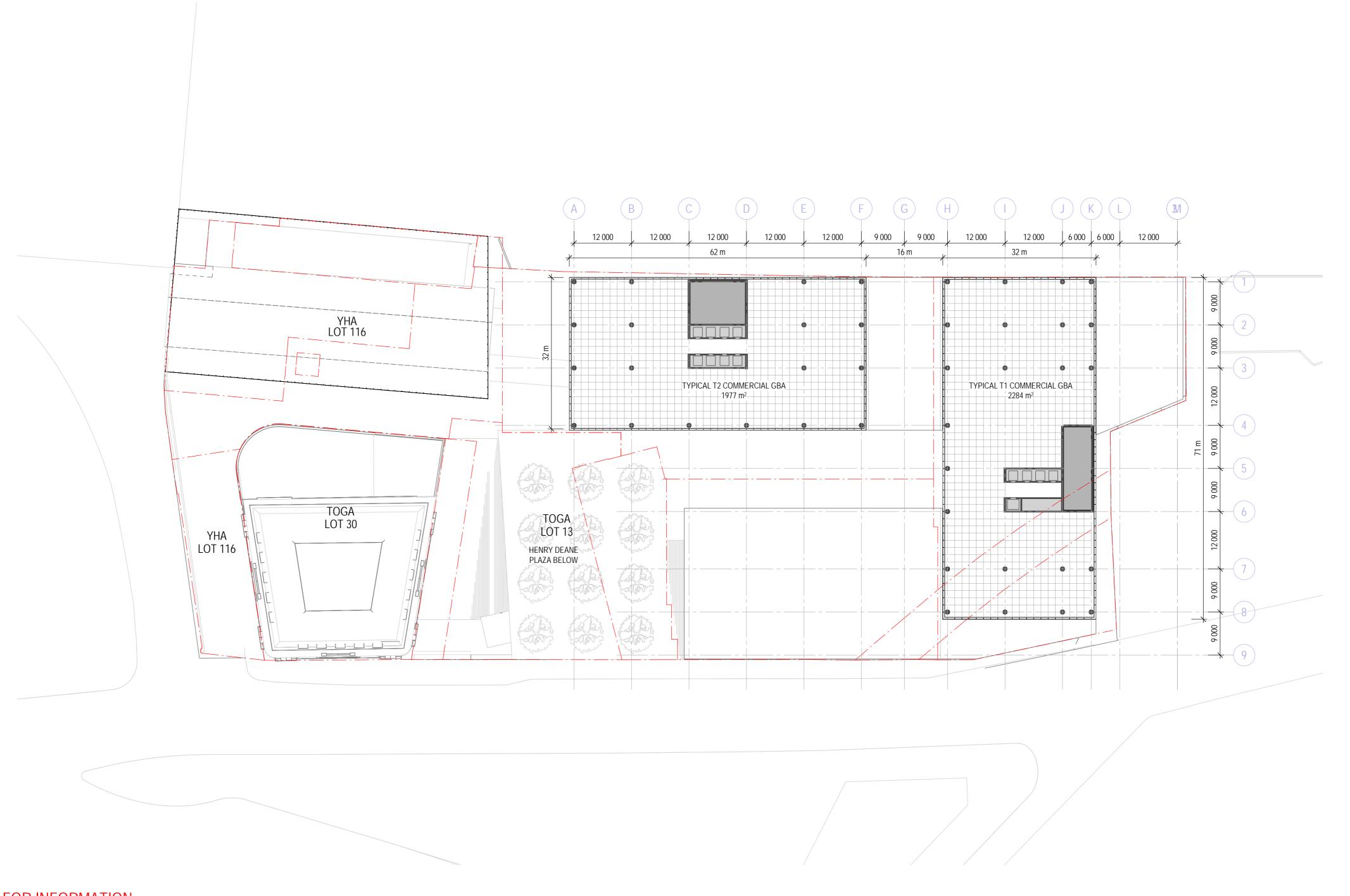












FOR INFORMATION





Appendix E: Site Walkover Photos



Appedix E: Site Photographs

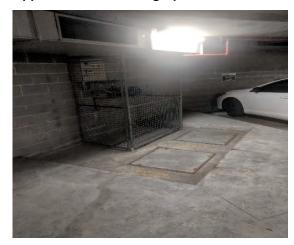


Photo 1. Location of 5000L UST in the basement of 26 Lee Street, Henry Deane Plaza (Fraser Properties Building).



Photo 2. Stormwater surface cover located in the basement of 26 Lee Street, Henry Deane (Fraser Properties Building).



Photo 3 Location of 2500L UST in the basement of 20 Lee Street, Henry Deane Plaza.



Photo 4. Stormwater grate in the basement of 20 Lee Street, Henry Deane Plaza.

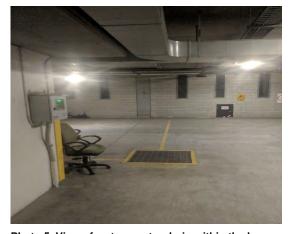


Photo 5. View of a stormwater drain within the basement of 14 Lee Street, Henry Deane Plaza (Dexus Building).

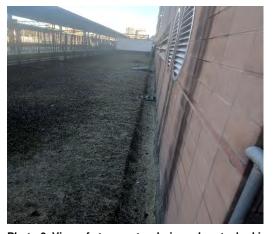


Photo 6. View of stormwater drain and grate, looking south on the west side of 14 Lee Street, Henry Deane Plaza (Dexus Building).

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Photo 7. View of minor surface staining on the ground surface in the basement carpark of 14 Lee Street, Henry Deane Plaza (Dexus Building).



Photo 9. View of a stormwater pipe in the basement carpark of 14 Lee Street, Henry Deane Plaza (Dexus Building).



Photo 11. Looking East at the entrance to 14 Lee Street, Henry Deane Plaza (Dexus Building).



Photo 8. View of a stormwater drain in the basement carpark of 14 Lee Street, Henry Deane Plaza (Dexus Building).



Photo 10. Looking South at th entrance to 26 Lee Street, Henry Deane Plaza (Fraser Properties Building).



Photo 12. Looking South East towards 26 and 14 Lee Street, Henry Deane Plaza.

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