Douglas PARTNERS

GROUNDED EXPERTISE

Report on Detailed Site Investigation

Proposed Mixed Use Development

33 & 37 Herbert Street, St Leonards NSW

Prepared for Aqualand St Leonard Development Pty Ltd

Project 237003.02

31 March 2026

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The undersigned, on behalf of Douglas Partners Pty Ltd, confirm that this document and all attached drawings, logs and test results have been checked and reviewed for errors, omissions and inaccuracies.

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Douglas Partners acknowledges Australia's First Peoples as the Traditional Owners of the Land and Sea on which we operate. We pay our respects to Elders past and present and to all Aboriginal and Torres Strait Islander peoples across the many communities in which we live, visit and work. We recognise and respect their ongoing cultural and spiritual connection to Country.

Executive Summary

Douglas Partners Pty Ltd (Douglas) has been engaged by Aqualand St Leonard Development Pty Ltd to prepare this detailed site investigation (DSI) for a proposed mixed use development at 33 & 37 Herbert Street, St Leonards NSW (the site).

This report has been prepared to support a State Significant Development Application (SSDA) SSD- 88511459 for the site at 33 & 37 Herbert Street, St Leonards. The Minister for Planning, or delegate, is the consent authority for the SSDA and this application is lodged with the NSW Department of Planning, Housing and Infrastructure (DPHI) for assessment.

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 21 August 2025 (SSD- 88511459). Specifically, this report has been prepared to respond to the following relevant SEARs:

Table 1: Summary SEARs

SEARs Requirements	Refer report section / comment
Contamination and Remediation In accordance with Chapter 4 of the State Environmental Planning Policy (Resilience and Hazards) 2021, assess and quantify any soil and groundwater contamination and demonstrate that the site is suitable (or will be suitable, after remediation) for the development	Conclusions are provided in Section 14, regarding suitability of the site for the proposed development, and other recommended management requirements.

The investigation comprised a desktop assessment supplemented by an intrusive investigation. Reviewed site history information identifies the land immediately to the west of the site was used as a quarry until its progressive redevelopment from 1960. Available information suggests the presence of significant filling of the former quarry. Uncontrolled backfill of large volumes of soils can potentially represent a risk of hazardous ground gases, and/or leachate which can potentially pose a risk to nearby properties (including the current site).

The available site history information suggested that the site has a history associated with the nearby quarry and railway line, in addition to other industrial / commercial activities. The identified previous industrial / commercial uses do not strongly indicate specific contamination risks, but nonetheless may have comprised use / storage of general chemicals (e.g. small amounts of fuel, oils, greases etc). More recent land-uses appear to have been for commercial (e.g. strata) offices / warehousing.

Intrusive investigation identified concrete hardstand over variable thickness of fill (noting the existing basement levels) between 0.12 m and 3.86 m, overlying residual soils and sandstone bedrock. Anthropogenic inclusions of concrete and brick were noted in fill beneath the hardstand which is potentially an indicator of a recycled aggregate, which may potentially contain asbestos materials.

Field hazardous gas screening from installed monitoring wells did not identify any significant concentrations / flows of gas which could be associated with the former quarry, and therefore no further gas investigation is considered necessary.

With the exception of benzo(a)pyrene (BaP) toxicity equivalency quotient (TEQ) in one sample (BH05/1.4-1.5, 4.5 mg/kg exceeding the site assessment criteria (SAC) of 4 mg/kg), all soil samples were noted to be within the adopted SAC protective of human health. Statistical analysis however indicates the result is not statistically significant. With regard to ecological SAC the results were all within the criteria with the exception of copper, TRH (fraction C16-34) and benzo(a)pyrene.

The copper and TRH exceedances are potentially statistically significant given maximum values for copper (670 mg/kg, SAC 85 mg/kg) and TRH F3 (990 mg/kg, SAC 300 mg/kg) are greater than 250% of the SAC respectively. The TRH results are noted to be within respective commercial / industrial criteria which may be applicable for the future basement / ground floor commercial use. The results were identified in boreholes largely outside of the proposed landscaping / deep soil zones, however one location (BH02) is noted to be close to a proposed deep soil zone.

All groundwater results were below the SAC, with the exception of nickel and zinc exceeding ecological criteria. Based on Douglas' experience, the concentrations of metals in groundwater, (typically copper, nickel and zinc) are more likely due to regional urban groundwater conditions rather than a specific off-site or on-site contamination source. Minor concentrations of TRH were identified in groundwater which are considered unlikely to pose a vapour inhalation risk to future site users.

The metals and TRH in groundwater are not considered a risk to future site users, but may remain a consideration if construction dewatering is required.

Based on the results of the DSI it is considered that the site is suitable for the proposed development subject to implementation of the recommendations below:

- Soils near BH02 should be preferentially relocated away from the proposed deep soil zones / landscaped areas (e.g. under hardstand). This may include replacement with other suitable site won soils (e.g. VENM). Alternatively, the soils should be disposed off-site as part of bulk excavation. In this regard a soil management plan can be developed to outline requirements for bulk excavation (including testing requirements per the point below);
- All surplus soil / rock requiring off-site disposal is to be classified in accordance with NSW EPA guidelines;
- An unexpected finds protocol is implemented to manage potential risks during construction. The unexpected finds protocol can be combined as part of the recommended soil management plan; and
- The recommendations of the separate HAZMAT report (Douglas, 2025) are implemented.

It is understood a separate groundwater impact assessment report is being prepared which will outline potential requirements to manage contamination risks during site dewatering.

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Report on Detailed Site Investigation
Proposed Mixed Use Development
33 & 37 Herbert Street, St Leonards NSW

1. Introduction

Douglas Partners Pty Ltd (Douglas) has been engaged by Aqualand St Leonard Development Pty Ltd to prepare this detailed site investigation (DSI) for a proposed mixed use development at 33 & 37 Herbert Street, St Leonards NSW (the site). The site is shown on Drawing 1, Appendix A.

The investigation was commissioned by email instructing to proceed dated 30 September 2025 from Celia Mak of Aqualand St Leonard Development Pty Ltd and was undertaken in accordance with Douglas' proposal 237003.00.P.001.Rev0 dated 24 July 2025.

This report has been prepared to support a State Significant Development Application (SSDA) SSD- 88511459 for the site at 33 – 37 Herbert Street, St Leonards. The Minister for Planning, or delegate, is the consent authority for the SSDA and this application is lodged with the NSW Department of Planning, Housing and Infrastructure (DPHI) for assessment.

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 21 August 2025 (SSD- 88511459). Specifically, this report has been prepared to respond to the following relevant SEARs:

Table 2: Summary SEARs

SEARs Requirements	Refer report section / comment
Contamination and Remediation In accordance with Chapter 4 of the State Environmental Planning Policy (Resilience and Hazards) 2021, assess and quantify any soil and groundwater contamination and demonstrate that the site is suitable (or will be suitable, after remediation) for the development	Conclusions are provided in Section 14, regarding suitability of the site for the proposed development, and other recommended management requirements.

This report must be read in conjunction with all appendices including the notes provided in Appendix B.

The following key guidelines were consulted in the preparation of this report:

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013); and
- NSW EPA *Guidelines for Consultants Reporting on Contaminated Land* (NSW EPA, 2020).

2. Proposed development

Based on the supplied architectural concept drawings (refer Appendix A), it is understood that the proposed development will include the demolition of existing structures on the site followed by the construction of a part 39 storeys and part 13 storey mixed use development. It is further understood that the existing one and partial two-level basement at 33 Herbert Street will be retained. Minor excavation is planned at the existing two-level basement for a proposed lift core and to create a uniform (i.e. flat) floor level, and additional excavation is understood to be required to extend the basement footprint to the north and west. Therefore, bulk excavation down to RL 70 m Australian Height Datum (AHD) is understood to be required across the two-level basement footprint. It is further understood that only local excavation for new footings and lift cores is planned at 37 Herbert Street (i.e. no basement).

Landscaping is proposed for the periphery of the development, with a deep soil zone in the north-west part of the site. The remainder of the site consists of existing basement levels or future proposed excavation areas.

3. Scope of work

The scope of work for the current investigation comprised:

- Review of desktop information comprising:
  - Review of available historical aerial photographs for the site;
  - Review of current and historical title deeds;
  - Search of the NSW EPA contaminated land record to determine the existence of statutory notices current on any parts of the site, or adjacent land, under the Contaminated Land Management Act (1997) and licences (if any) under the Protection of the Environment Operations Act (1997);
  - SafeWork search for schedule 11 hazardous chemicals stored or previously stored on-site;
  - Review of Section 10.7 (2 & 5) planning certificates (provided by the client);
  - Undertake a council freedom of information request (GIPA) for relevant reports / documents; and
  - Review of information of publicly available development application (DA) and state significant development (SSD) records.
- Undertake a site walkover for signs of contamination or potential sources of contamination to identify visible potential Areas of environmental concern (PAEC);
- Drilling and sampling from three boreholes across the site using hand tools;
- Soil sampling from geotechnical test locations as part of a concurrent geotechnical investigation;
- Screening of all collected soil samples with a photo-ionisation detector (PID) to assess the likely presence or absence of volatile organic compounds (VOC);
- Dispatch of selected soil samples to a National Association of Testing Authorities (NATA) accredited laboratory for analysis of a range of potential contaminants;
- Installation of two shallow gas monitoring wells and four groundwater monitoring wells;

- Screening of six monitoring wells (two dedicated shallow wells, and four groundwater wells) using a portable landfill gas meter to assess bulk gas concentrations (CH_4, CO_2, CO, O_2 and H_2S) and potential gas flowrates;
- Sampling of groundwater from four groundwater monitoring wells using low-flow sampling methods;
- Dispatch of groundwater samples to a NATA accredited laboratory for analysis of general potential contaminants, and to support a future groundwater impact assessment (if required); and
- Preparation of this report.

4. Site information

Site address	33 & 37 Herbert Street, St Leonards NSW
Legal description	Lots 1 and 2, Deposited Plan744175 Lot 3 Deposited Plan 772072 Lot 1 Deposited Plan 115615
Area	5,918 m^2 (per client provided information)
Zoning	E4 – general industrial
Local council area	Willoughby Council
Current use	Commercial
Surrounding uses	North / west – Commercial East – Rail corridor and residential South – Residential and health services

The site includes two lots known as 33 & 37 Herbert Street, comprising an approximate combined semi-rectangular area over 5,918 m^2 extending alongside the T1 North Shore and Western Rail Line (refer Drawing 1 and the site survey drawing provided in Appendix A). The southernmost lot, 33 Herbert Street, is occupied by a three-storey commercial office building with a stepped one- and two-level basement. The northernmost lot, 37 Herbert Street, is occupied by a single-level warehouse (no basement). The site is within 400 m of St Leonards train station, to the south. It is bound to the east by the North Shore railway line, to the south by a residential building, to the west by Herbert Street and to the north by Ella Street.

5. Environmental setting

5.1 Topography

The site slopes gently from northeast to southwest, with approximately 4 m difference in elevation between the street frontages of Ella Street (RL[1] 80.2 m) and Herbert Street (~RL 76.2 m), based on the survey drawing prepared by LTS Surveyors (refer Appendix A). The survey drawings also indicates that the second basement level at 33 Herbert Street slopes gently down from the south (RL 71.2 m) to north (RL 70.4 m).

Regional topography broadly slopes to the north towards the Gore Hill Freeway to the north / north-east.

5.2 Site geology

Reference to the Sydney 1:100 000 Soil Landscape Sheet indicates that the site is underlain by shallow to moderately deep and deep erosional soils over bedrock. The sheet also shows that disturbed terrain (anthropogenic material) is present along the southwestern boundary of the site, associated with historical quarrying activities (refer further discussion in Section 6).

Reference to the Sydney 1:100,000 Geological Series Sheet 9130 indicates that the site is underlain by Triassic aged Wianamatta Group Ashfield Shale. Ashfield Shale is occasionally underlain by the Mittagong Formation, and more generally by Hawkesbury Sandstone.

5.3 Acid sulfate soils

Reference to the regional acid sulphate soils (ASS) risk map indicates that there is no known occurrence of ASS at the site. Based on the mapped erosional soils and relative elevation, the overall risk of ASS being present is considered low.

The site is mapped as Class 5 per the Willoughby Local Environmental Plan (LEP); however, no Class 4 or lower areas are mapped within 500 m of the site. Groundwater levels would also not be lowered below RL 1 m as part of the development.

Therefore, no further investigation or management of ASS is considered necessary.

5.4 Surface water and groundwater

The closest body of water is Flat Rock Creek, which is situated approximately 600 m to the north of the site.

Registered groundwater bores are identified as GW108224 (~440 m west, water supply bore), GW072478 (~520 m east, water supply bore) and bores GW103841 and GW103591 (~500 m northwest, exploration bores). The standing water levels recorded within the groundwater bores are approximately 35 m and 45 m below the ground level for Bores GW108224 and GW072478, respectively, and 4 m for GW103841 and GW103591. The water supply bores appear to indicate a

[1] Reduced Level (RL) in metres (m) relative to the Australian Height Datum (AHD).

deeper regional aquifer, compared to the shallower exploration bores which may indicate levels for a shallower, perched aquifer, which is expected of the local geology.

It is noted that groundwater levels vary over time due to climatic and human influences and will temporarily rise following periods of prolonged rainfall.

Based on the regional topography groundwater is anticipated to generally flow towards the north, with potential localised influence in flow direction to the rail corridor to the east. Based on distance to the registered bores they are not considered receptors from any potential on-site contamination risks.

6. Site history

6.1 Historical aerial photographs

Historical aerial imagery ranging between 1930 and 2024 was obtained from NSW Spatial Services and recent imagery from Metromap. The georeferenced imagery with reference to the current site boundary is shown on the drawings in Appendix C.

The following key information is inferred from the imagery regarding the site:

- The site appeared to be used for commercial / industrial purposes since 1943 (prior as undeveloped land) with historical structures mainly visible in the northern part of the site, and smaller structures in the south. The site was adjacent to the railway line to the east, with local roads in general accordance with the current (existing) road and rail infrastructure;
- The site underwent minor redevelopment in the 1960s and 1970s, with visible extensions / alterations to existing buildings; and
- More significant redevelopment was visible by 1994 in the southern part of the site, with the overall layout broadly corresponding to the current (existing) site layout.

Regarding nearby off-site areas:

- The property immediately to the west appears to have been in use as a quarry since 1930, with the parts immediately adjacent to the site consisting of structures likely associated with brick making / processing, with the actual quarry further to the north-west. The quarried area appeared to have expanded between 1930 to 1951 (i.e. further to the north and west);
- The property immediately to the south was redeveloped after 1986, with a possible service station present at the property (refer discussion in Section 6.5); and
- The quarry appeared to have commenced backfilling and redevelopment in the northern parts by 1961, and areas nearer to the site (i.e. near quarry structures in the south-east) by 1978, with redevelopment appearing to have been completed circa 1980-1990.

6.2 Title deeds

Results of a search of historical title deeds (circa 1889 to date) are attached in Appendix C. Historical title deeds are used alongside aerial imagery and other sources to infer potential land-uses with associated contamination risks.

Key information from the title deed search included:

- Lot 1 DP 115615 (northern part of the site), was originally owned by a food and ice company from 1909, prior to acquisition by a brick manufacturing company in 1927 until 1940 (i.e. likely associated with the nearby quarry). The property was then acquired by different companies (possible commercial activities such as produce or equipment supply for food industry) prior to acquisition by Aqualand in 2016;
- Lot 3 DP 772072 (southern part of the site), was initially owned by the minister for public works, then railway commission / state rail authority. The lot appears to have been sold to private companies after 1994, until acquisition by Aqualand in 2015. The southern lot in general is noted to have had a complex titling arrangement which is possibly associated with use for the nearby rail corridor;
- Lot 2 DP 744175 was initially owned by the North Sydney Brick and Tile Company (likely associated with the historical quarry to the west) before transfer to more general commercial owners after 1940-1950; and
- Lot 1 DP 744175 (smaller part of the southern area) were also initially owned by the government (minister for public works / railway commission) prior to private acquisition circa 1960, for commercial purposes. More recent acquisitions correspond to the same entities for Lot 3.

Overall, the land titles indicate a history associated with the nearby quarry, i.e. potentially used for storage of products / logistics for the nearby railway used to transport goods, for food industries, and ownership by the government associated with the nearby railway.

The site then appears to have transitioned to the more recent commercial (e.g. office) / warehouse land-uses. The recent ownership records do not suggest any specific industries which may have potential contaminating activities.

6.3 **Public registers**

EPA Notices available under Section 58 of the Contaminated Land Management Act (CLM Act) Database searched 22 January 2026	There were no records of notices for the site or adjacent sites.
Sites notified to EPA under Section 60 of the CLM Act Database searched 22 January 2026	The site was not listed as a notified contaminated site. The property at 4A Herbert Street (50 m west) currently a Telstra Data Centre) is listed as not requiring further assessment.

Licences listed under Section 308 of the Protection of the Environment Operations Act 1997 (POEO Act) Database searched 22 January 2026	There were no records issued to the site or adjacent sites.
PFAS Investigation Sites listed on the EPA website Database searched 22 January 2026	The site was not listed or adjacent to a site listed under: NSW EPA PFAS Investigation Program Defence PFAS Investigation Program Defence PFAS Management Program Airservices Australia National PFAS Management Program
SafeWork NSW (searched completed January 2026)	Records for storage of welding gas (acetylene, oxygen) and LPG (total < 300 m^3) were identified for 37 Herbert Street (north-east corner of the lot). The stored compressed gases are not considered a significant contamination risk.
Planning Certificates dated March 2015	No relevant records
GIPA request information (completed January 2026)	Information provided under a GIPA request for the property to the west of the current site did not identify any relevant records relating to the former quarry. A letter from NSW EPA was provided relating to previous assessment of 4A Herbert Street, with NSW EPA concluding that the property did not warrant further assessment under the CLM Act. The letter briefly discusses previous (completed) remediation and monitoring relating to a diesel pipe leak at the property.

6.4 **Previous reports and GIPA request**

A search of publicly available records through the Councils development application (DA) tracker website, and NSW planning portal (state significant developments) identified the following relevant reports:

- North shore private hospital Stage 1 – East Tower. Detailed site investigation (Coffey, 2016). Located to the west of Herbert Street and within part of the former quarry;
- 10 Herbert Street. Remediation action plan (WSP, 2015). Located within the northern extent of the former quarry;
- 31-35 Herbert Street (part of the current site). Preliminary site investigation (SLR, 2015); and
- 37 Herbert Street (part of the current site). Preliminary site investigation (SLR, 2016).

Regarding the investigations within the former quarry, the investigations indicated that the crest of the quarry potentially was situated at RL 98 m, and with the base at RL 77 m AHD, (i.e. the quarry was potentially up to 21 m deep) (Coffey, 2016). Deep fill up to ~19.5 m was observed in one borehole log, however no significant anthropogenic inclusions were identified in the deep fill profile (Coffey, 2016). A reduced maximum depth of ~3 m fill was noted for the property at 10 Herbert Street (WSP, 2015).

The previous SLR reports (SLR, 2015; SLR, 2016) both comprised desktop assessments, with a site walkover component. Previous potentially contaminating activities were identified as (relating to both properties):

- Rail related activities;
- Industrial / commercial activities (non-specific); and
- Previous demolition of structures.

The SLR reports considered these as potential 'top down' contamination activities which could reasonably be managed as part bulk excavation (i.e. for a previous proposed development scheme including up to three basement levels). The key contaminants of potential concern were identified as metals, hydrocarbons and asbestos.

6.5 Business directory records

A search of historical business directory records for the site and surrounding properties is included in Appendix C.

The following key records are identified:

On-site historical land uses:

- Various manufacturing industries such as metal merchants / scrap metal, pumps, fabricators, laminating / printing manufacturing etc; and
- Food related products including food wrapping / packaging, dairy equipment.

None of the listed activities are considered to represent a specific contamination risk, but may have included use of limited fuel / oil products.

Nearby land-uses:

- Motor garage / service station (23 Herbert St, 72 m south-east), with records noted between 1970 to 1990.

The motor garage (visible in 1986 aerial imagery) appeared to have been redeveloped by 1994 per the reviewed historical aerial imagery, and replaced by a high density residential development. This potentially included removal of UPSS associated with the property which would reduce the risk of an on-site migration risk (i.e. petroleum contamination in groundwater).

Other activities > 250 m from the site are generally not considered of concern based on the distance and potential risk of groundwater contamination reaching the site through the local geology.

6.6 Site history integrity assessment

The information used to establish the history of the site was sourced from reputable and reliable reference documents, many of which were official records held by Government departments / agencies. The databases maintained by various Government agencies potentially can contain high quality information, but some of these do not contain any data at all.

In particular, aerial photographs can provide high quality information that is generally independent of memory or documentation. They are only available at intervals of several years, so some gaps exist in the information from this source. The observed site features are open to different interpretations and can be affected by the time of day and/or year at which they were taken, as well as specific events, such as flooding. Care has been taken to consider different possible interpretations of aerial photographs and to consider them in conjunction with other lines of evidence.

6.7 Summary of site history

The site history information suggests that the site has a history associated with the nearby quarry and railway line, in addition to other industrial / commercial activities. The previous industrial / commercial uses do not strongly indicate specific contamination risks, but nonetheless may have comprised use / storage of general chemicals (e.g. small amounts of fuel, oils, greases etc).

More recent land-uses appear to have been for commercial (e.g. strata) offices / warehousing.

The land immediately to the west was used as a quarry until its progressive redevelopment from 1960. The available reports do not suggest significant contamination risks associated with the former quarry which could pose an on-site migration risk to the current site (e.g. groundwater, landfill gas). The available reports do however suggest the presence of significant filling of the former quarry which therefore could potentially indicate a risk of significant volumes of uncontrolled fill in the footprint of the former quarry. Uncontrolled backfill of large volumes of soils can potentially represent a risk of hazardous ground gases, and/or leachate which can potentially pose a risk to nearby properties (including the current site).

7. Preliminary conceptual site model

A conceptual site model (CSM) is a representation of site-related information regarding contamination sources, receptors and exposure pathways between those sources and receptors. The CSM provides the framework for identifying how the site became contaminated and how potential receptors may be exposed to contamination either in the present or the future i.e. it enables an assessment of the potential source – pathway – receptor linkages (complete pathways).

Based on the desktop assessment, the following potential sources of contamination and associated contaminants of potential concern (CoPC) have been identified and summarised in Table 3.

Table 3: Summary of potential sources

Potential sources and associated CoPC
On-site sources
S1: Fill: Associated with levelling, demolition of former buildings on the site CoPC: metals, PFAS, TRH, BTEX, PAH, PCB, OPP, OCP, phenols and asbestos **S2:** Former commercial / industrial uses CoPC: metals, TRH, BTEX, PAH, asbestos **S3:** Existing structures (hazardous building materials) CoPC: asbestos, lead, PCB
Off-site sources
S4: Former quarry (west) CoPC: Landfill gases - bulk gases CH_4, CO_2, CO_2, H_2S, and trace gases (i.e. VOC) Groundwater (leachate impacts) – an exhaustive list may apply depending on the nature of potential uncontrolled landfilling, for the purposes of initial investigation ammonia adopted as an initial indicator of leachate **S5:** Off-site petroleum impacts: 4A Herbert Street (former diesel leak) and 23 Herbert St (former motor garage / service station) CoPC: TRH, BTEX, metals

Note: BTEX - benzene, toluene, ethylbenzene and xylenes TRH-, total recoverable hydrocarbons, PAH - polycyclic aromatic hydrocarbons, PCB – polychlorinated biphenyls, OCP - organochlorine pesticides, OPP – organophosphorus pesticides, PFAS – per- and poly-fluoroalkyl substances, VOC – volatile organic compounds.

The following potential human and environmental receptors, along with relevant potential pathways, have been identified and summarised in Table 4.

Table 4: Summary of potential receptors and pathways

Potential human receptors
HR1: Current users [commercial / industrial] **HR2:** Construction and maintenance workers **HR3:** End users [residential, commercial] **HR4:** Adjacent site users [residential, commercial]
Potential environmental receptors
ER1: Surface water [Flat Rock Creek, freshwater] **ER2:** Groundwater **ER3:** Terrestrial ecosystems
Potential pathways to human receptors
HP1: Ingestion and dermal contact **HP2:** Inhalation of dust and/or vapours

Potential pathways to environmental receptors
EP1: Surface water run-off
EP2: Leaching of contaminants and vertical migration into groundwater
EP3: Lateral migration of groundwater providing base flow to water bodies
EP4: Inhalation, ingestion and absorption

Summary of potentially complete exposure pathways

A 'source–pathway–receptor' approach has been used to assess the potential risks of harm being caused to human or environmental receptors from contamination sources on or in the vicinity of the site, via exposure pathways (potential complete pathways). The possible pathways between the above sources (S1 to S5) and receptors are provided in below Table 5.

Table 5: Summary of potentially complete exposure pathways

Source and CoPC	Exposure pathway	Receptor	Risk management action
S1: Fill metals, PFAS, TRH, BTEX, PAH, PCB, OPP, OCP, phenols and asbestos	**HP1:** Ingestion and dermal contact **HP2:** Inhalation of dust and/or vapours	**HR1:** Current users [commercial / industrial] **HR2:** Construction and maintenance workers **HR3:** End users [residential, commercial]	An intrusive investigation is recommended to assess possible contamination including testing of the soils, soil vapour and groundwater.
	HP2: Inhalation of dust and/or vapours	**HR4:** Adjacent site users [residential, commercial / industrial]	
	EP1: Surface water run-off **EP3:** Lateral migration of groundwater providing base flow to water bodies	**ER1:** Surface water	
	EP2: Leaching of contaminants and vertical migration into groundwater	**ER2:** Groundwater	
	EP4: Inhalation, ingestion and absorption	**ER3:** Terrestrial ecosystems	

Source and CoPC	Exposure pathway	Receptor	Risk management action
S4: Former quarry (landfill gas) Bulk gases and VOC	**HP2:** Inhalation	**HR1:** Current users [commercial / industrial] **HR2:** Construction and maintenance workers **HR3:** End users [residential, commercial]	Preliminary gas screening recommended. If required further specific landfill gas investigation should be undertaken.
S4: Former quarry (leachate impacts in groundwater) Various (ammonia chosen as indicator) **S5: Off-site petroleum impacts** TRH, BTEX, metals	**HP1:** Ingestion and dermal contact **HP2:** Inhalation	**HR2:** Construction and maintenance workers	Diesel is sparingly volatile. Low concentrations are unlikely to pose a vapour inhalation risk to current / future users. Petroleum impacts (e.g. former service station) have potential to be volatile. To be assessed as part of the general groundwater assessment to determine need for any specific further testing (e.g. vapour). Both sources are considered potential concerns for groundwater quality which could affect construction workers and/or be relevant if construction dewatering is required.
	HP2: Inhalation	**HR1:** Current users [commercial / industrial] **HR3:** End users [residential, commercial]	
S4: Existing buildings	**HP1:** Ingestion and dermal contact **HP2:** Inhalation	**HR1:** Current users [commercial / industrial] **HR2:** Construction and maintenance workers **HR3:** End users [residential, commercial]	Refer to recommendations of separately prepared HAZMAT investigation (Douglas, 2025) (Appendix J).

8. Data quality objectives

The DSI was devised with reference to the seven-step data quality objectives (DQO) process which is outlined in Appendix B Schedule B2, NEPC (2013).

State the problem

The site is proposed to be redeveloped from a commercial / industrial land-use to a new mixed-use residential development. A preliminary conceptual site model (CSM) has been prepared (Section 7) for the proposed development.

The results of the assessment are required to support a development application.

Identify the decisions / goal of the study

The goal is to assess suitability of the site for the proposed development, or identify what further investigation / management is required to render the site suitable for the proposed use.

Identify the information inputs

Inputs to the investigation include:

- Design documentation;
- Review of desktop information;
- The CSM (Section 7);
- Fieldwork observations, including results from a concurrent geotechnical investigation; and
- Laboratory analysis of selected soil and groundwater samples by a NATA accredited laboratory.

Define the study boundary

The study boundary is limited to the area shown on Drawing 1, Appendix A, and the lots outlined in Section 4.

The vertical boundaries are limited to the depth of the boreholes completed, and the investigation is limited to the duration of the fieldwork completed.

Develop the analytical approach (or decision rule)

The proposed approach is to assess analytical data (soils, groundwater) against Tier 1 screening criteria (NEPC, 2013) for generic land-uses (based on the proposed development). Individual results will be compared, and if applicable, statistical assessment of representative sample populations will be compared against the Tier 1 criteria. If results exceed the Tier 1 criteria then further targeted investigation and/or management may be required.

Landfill gases (bulk gases) will be assessed by comparing field screening data (concentration and flowrate) per NSW EPA (2020). A gas screening value (GSV) resulting in a characteristic situation (CS) greater than 1 will be adopted as a trigger for further targeted landfill gas investigation.

Data quality will be considered by reviewing the relative percent difference between primary and replicate samples. Trip spike and blank samples will be used to assess potential for sample loss and cross-contamination of samples. If quality control results do not meet the performance criteria then their potential impact on the conclusions of the investigation will be assessed further.

Specify the performance or acceptance criteria

Baseline condition: Contaminants at the site and/or statistical analysis of data exceed the SAC and pose a potentially unacceptable risk to receptors (null hypothesis).

Alternative condition: Contaminants at the site and statistical analysis of data complies with the SAC and therefore, do not pose a potentially unacceptable risk to receptors (alternative hypothesis).

Statistical results will be compared against the following performance criteria:

- Calculated 95% upper confidence limit (UCL) is less than the relevant SAC;
- Standard deviation is less than half the SAC; and
- No individual result is more than 2.5 times the SAC.

Quality control samples will consider:

- Relative percent difference (RPD) between primary and replicate samples of <30% (inorganics) and <50% (organics), where results are greater than five times the practical quantification limit (PQL);
- Trip spike recovery ranging between 70 and 130%; and
- Trip blank results are <PQL.

Optimise the design for obtaining data

Sampling design and procedures to be implemented to optimise data collection for achieving the DQO include the following:

- A sampling and analysis rationale developed in Section 9;
- Analysis for the CoPC at NATA accredited laboratories using NATA endorsed methods where possible; and
- Adequately experienced environmental scientists / engineers conducting field work and sample analysis interpretation.

9. Sampling and analysis rationale

Based on an area of 5,918 m^2 a total of 15 systematic test locations are recommended by NSW EPA guidelines (NSW EPA, 2022). Given the concurrent geotechnical investigation comprised a total of 12 boreholes an additional three boreholes were undertaken to provide a total of 15 test locations. Analysis was however undertaken from a total of 10 boreholes.

The boreholes were positioned to maximise site coverage as limited by existing structures and in-ground services.

Six boreholes were converted into monitoring wells as follows:

Table 6: Summary well installation details

Location	Borehole depth	Screening interval (strata)	Notes
BH01	20 m	4-12 m (natural clay / sandstone)	Hydraulically downgradient, outside of existing basement. 60 mm diameter uPVC well.
BH05	14 m	1.5-4.5 m (fill / clay)	Hydraulically downgradient, outside of existing basement. 60 mm diameter uPVC well.
BH06	14.32 m	6-12 m (sandstone)	Hydraulically downgradient, outside of existing basement. 60 mm diameter uPVC well.
BH09	10.37 m	4.5-9 m (sandstone)	Hydraulically upgradient, inside existing basement. 32 mm diameter uPVC well.
BH10	14.35 m	0.8-2 m (fill / sandstone)	Hydraulically upgradient, inside existing basement. 32 mm diameter uPVC well.
BH12	9.73 m	3-6 m (sandstone)	Hydraulically upgradient, inside existing basement. 32 mm diameter uPVC well.

It is noted that BH05 and BH10 (shallow screening intervals) were undertaken to provide additional screening of potential landfill gas (LFG) but were also used for groundwater measurements as part of the concurrent geotechnical investigation.

Landfill gas screening was undertaken at each of the monitoring wells using a GA5000 for a minimum five-minute interval to screen gas flow rates and bulk gas concentrations. It is noted that concentration measurements at BH10 were limited due to the presence of groundwater in the well preventing extraction during pumped sampling.

Soil samples were selected for analysis based upon field observations and PID screening results, and to provide lateral and vertical coverage of the site. The selected samples were analysed for the CoPC in the CSM and for physical parameters: cation exchange capacity (CEC) and pH.

Groundwater samples were collected from BH01, 06, 09 and 12, and were analysed for the CoPC in the CSM and to provide additional physiochemical parameters anticipated for future dewatering assessment.

The general field work methodology undertaken is outlined in Appendix D.

10. Site assessment criteria

The site assessment criteria (SAC) applied in the current investigation are informed by the CSM (Section 7) which identified human and environmental receptors to potential contamination on the site. Analytical results are assessed (as a Tier 1 assessment) against the SAC comprising primarily the investigation and screening levels of Schedule B1 of NEPC (2013).

The investigation and screening levels applied in the current investigation comprise levels are based on a high density residential (B) land-use scenario as protective of both the proposed residential and commercial land-uses.

If required, further consideration may be given to commercial / industrial (D) criteria, which may be suitable for ground floor commercial use and/or basement levels.

The derivation of the SAC is in Appendix E.

11. Results

11.1 Field work results

11.1.1 Subsurface profile

Details of the subsurface conditions encountered are given in the borehole logs included in Appendix F, with notes defining classification methods and descriptive terms.

The following generalised ground profile can be summarised from the borehole logs:

Pavement / Fill soils:	Generally, 0.12 m to 0.15 m thick concrete overlying fill material of between 0.12 m and 3.86 m thickness and including sequences of sandy gravel, gravely sand, sandy clay and clay with deeper fill encountered along the northern retaining wall, north of 33 Herbert Street (BH04 to BH06). Inclusions of concrete and brick fragments were noted in fill beneath the pavement which is indicative of a recycled aggregate product. Inclusions of charcoal and carbonaceous material were noted in the fill. Hand augered boreholes refused in gravel / cobbles in fill up to 0.55 m depth.
Residual Soils:	Generally, 0.2 m to 2.40 m thick residual clay and clayey sand transitioning to extremely weathered sandstone at depths of up to 5 m.
Sandstone (Mittagong Formation):	Mostly low and medium strength with extremely low and high strength bands, highly weathered with extremely weathered seams, fractured and slightly fractured sandstone, to typical depths of between 5 m and 7.5 m below the ground surface level. Includes bands or high strength, iron-cemented ferruginous sandstone).

Sandstone (Hawkesbury Sandstone):	Mostly medium strength then medium and high strength with occasional extremely weathered seams, slightly weathered then fresh, slightly fractured to unbroken sandstone with occasional highly fractured and fragmented bands.

Drawings 2 to 4, Appendix A provide conceptual cross sections including the existing and future basement levels relative to the encountered strata.

The PID screening recorded values of less than 1 ppm suggesting the general absence, or very low concentrations, of VOC in the samples screened.

11.1.2 Groundwater

Free groundwater was observed while drilling BH4 at 2.5 m bgl. It should be noted that groundwater levels are affected by climatic conditions and soil permeability and will therefore vary with time.

The essential use of water as a drilling fluid during wash boring and coring the boreholes precluded further groundwater observations. The installed monitoring wells (BH01, BH05, BH06, BH09, BH10 and BH12) were purged dry of drilling fluids (after the completion of drilling) using a downhole pump. A summary of the most recent measured groundwater levels following purging is provided in Table 7 below.

Table 7: Summary of groundwater measurement following purging (BH01, BH05, BH06, BH09, BH10 and BH12)

Manual groundwater level readings					
Borehole ID	Borehole surface level (RL)	Screened Interval (RL)	Groundwater level (RL)		
			19 November 2025	20 November 2025	21 November 2025
BH01	76.8	64.8 – 72.8	70.6	70.2	70.4
BH05	76.8	72.3 - 75.3	NE	NE	NE
BH06	76.8	64.8 – 70.8	70.7	70.6	70.7
BH09	74	65 – 69.5	71.4	71.3	71.3
BH10	71.2	69.2-70.4	70.9	70.9	70.9
BH12	74	68 -71	71.5	71.5	71.2

NE = Not encountered

The stabilised groundwater field parameters recorded prior to sampling are shown on the groundwater field sheets provided in Appendix F and summarised below.

Table 8: Summary of field parameters (groundwater and surface water)

Well	Temp. (°C)	DO (ppm)	EC (µS/cm)	pH	Redox (mV)
BH01	20.3	2.8	1560	6.6	110
BH06	21.0	5.0	1250	5.8	87
BH09	20.1	0.5	1670	6.1	2
BH12	19.8	0.4	1800	6.2	-40

Redox values given as relative to Ag-Cl probe
Note: BH10 was not sampled

The dissolved oxygen levels indicated a mixture of aerobic and anaerobic conditions, with respective minor differences in redox potential. Groundwater pH was very slightly acidic, and with electronic conductivity suggesting slight salt / solids content.

No light non-aqueous phase liquid (LNAPL) was observed through use of an electronic-oil interface meter.

11.1.3 Bulk gas screening

Results of the LFG screening are included in Appendix F. The results generally indicated:

- Low or zero measurable flowrates in the wells, and corresponding low to zero measured relative borehole pressures;
- No measurable CH_4 concentrations, and generally low CO_2 concentrations; and
- Other gases (H_2S and CO) were generally low.

11.2 Laboratory analytical results

The results of laboratory analysis are summarised in the following tables in Appendix G:

- Table G1: Summary of results of soil analysis;
- Table G2: Summary of results of water analysis; and
- Table G3: Summary waste classification of soils.

The laboratory certificates of analysis together with the chain of custody and sample receipt information are provided in Appendix H.

11.3 Data quality assurance and quality control

The data quality assurance and quality control (QA/QC) results are provided in Appendix I. Based on the results of the field QA and field and laboratory QC, and evaluation against the data quality indicators (DQI) it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

12. Discussion

12.1 Soils

With the exception of benzo(a)pyrene (BaP) toxicity equivalency quotient (TEQ) in one sample (BH05/1.4-1.5, 4.5 mg/kg exceeding the SAC of 4 mg/kg), all soil samples were noted to be within the adopted human health SAC for a high density residential land use.

Considering results of all fill samples (and adoption of the larger result for duplicate sample pairs) the BaP TEQ result is not considered statistically significant based on a calculated 95% upper confidence limit[2] (66% of the SAC, i.e. 2.6 mg/kg) and standard deviation (33% of the SAC, i.e. 1.3 mg/kg), and given the result is less than 250% of the SAC. A visual representation of the statistical analysis (box and whisker plot) with values relative to the SAC is given in the figure below.

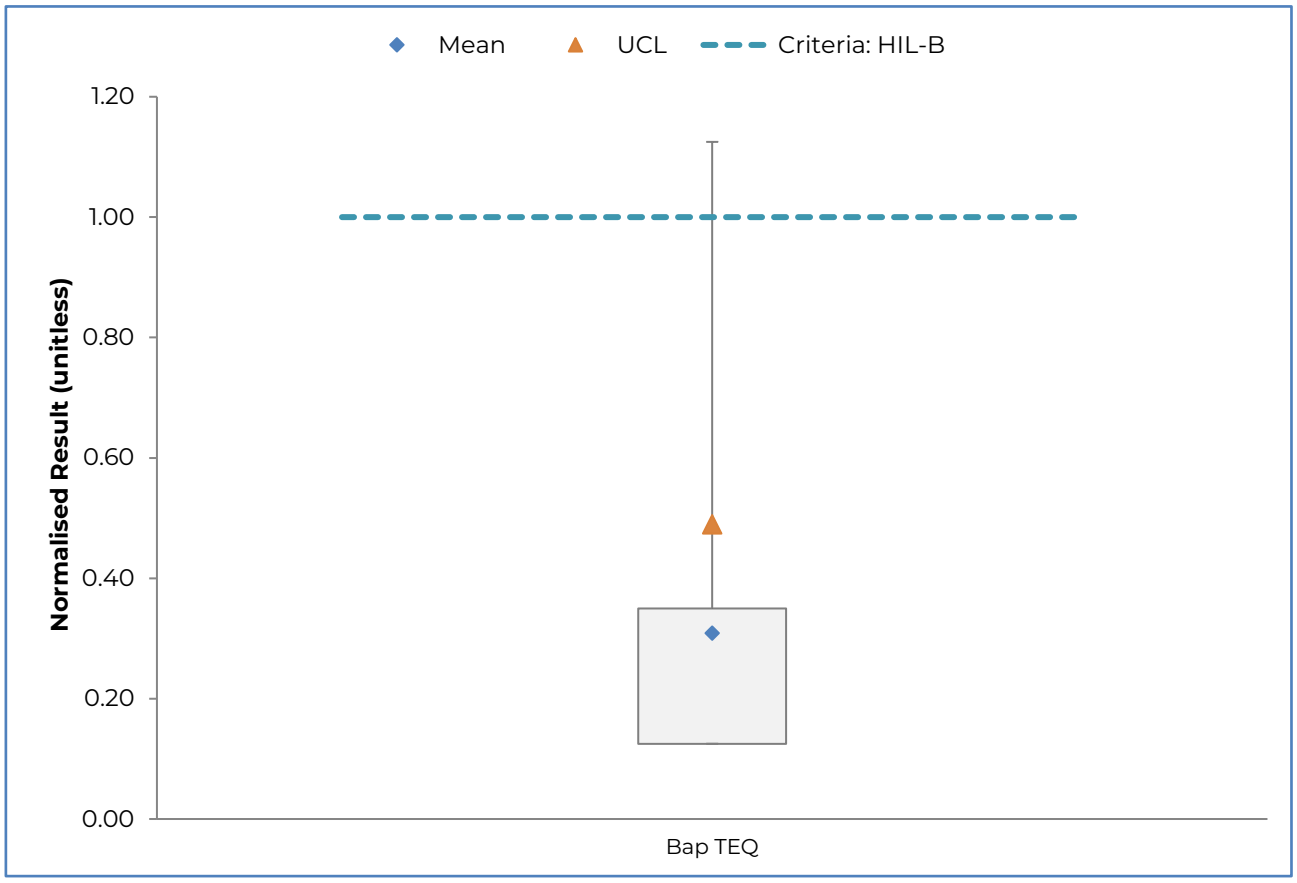


Figure 1. Normalised statistical analysis of BaP TEQ results, showing the range of the data (i.e. quartiles), mean and calculated 95% UCL.

With regard to ecological SAC the results were all within the criteria with the exception of copper, TRH (fraction C16-34) and benzo(a)pyrene.

[2] Calculated non-parametric (Chebyshev) UCL based on a poor fit to normal / lognormal probability distributions

The benzo(a)pyrene results are not considered significant with consideration to the maximum value of 3.2 mg/kg and the higher reliability screening levels of 33 mg/kg (or ranging from 21 mg/kg to 135 mg/kg) for fresh BaP for urban residential and public open space use (CRC CARE, 2017), which suggests that the concentrations of B(a)P detected at the site are unlikely to pose an unacceptable risk to terrestrial ecosystems and therefore the exceedances are not considered to be of concern.

The copper and TRH exceedances are potentially statistically significant given maximum values for copper (670 mg/kg, SAC 85 mg/kg) and TRH F3 (990 mg/kg, SAC 300 mg/kg) are greater than 250% of the SAC respectively. It is noted that the exceedances occurred in boreholes BH01, BH02 and BH04 which are currently not located within the proposed landscaping / deep soil zone. BH02 is however noted close to the deep soil zone. The TRH F3 results are also noted not to be significant with respect to commercial / industrial criteria (1,700 mg/kg) which can potentially be applied for the proposed basements / ground floor commercial use.

Fill from the vicinity of BH01, 02 or 04 should preferentially be relocated away from the deep soil zones or disposed off-site accordingly during bulk excavation works. If proposed to be retained in landscaped areas further consultation with a horticulturalist may be required to select appropriate resilient plant species to tolerate the measured soil contaminants.

The ecological exceedances are therefore not considered a significant risk for the proposed development if managed appropriately.

12.2 **Groundwater**

All results were below the SAC, with the exception of:

- Nickel, with results ranging between 14 µg/L and16 µg/L (SAC 11 µg/L); and
- Zinc, with results ranging between 21 µg/L and 47 µg/L (SAC 8 µg/L).

Total recoverable hydrocarbons (TRH) were detected in BH12 (and its replicate sample) as fractions F2 (C10-16, 110 mg/kg in the replicate sample only) and F3 (C16-34, 130-620 mg/kg). The F2 results are within the vapour intrusion HSL by an order of magnitude (SAC-1,000 µg/L), however the SAC are of limited application given existing and future basements may be in direct contact with groundwater (i.e. the SAC only apply for a groundwater source below a building).

F3 fractions are noted as non-volatile and therefore do not present a risk for site users (vapour inhalation). Fraction F2 is slightly volatile (typically C10-C12 range) and given the detection below the PQL in the primary sample and the low concentration in the replicate sample this is considered unlikely to pose a risk to site users.

The following contaminant groups were detected below the laboratory PQL - BTEX, PAH, OCP, OPP, PCB, VOC and phenols.

With regards to additional physiochemical parameters the following was observed:

- Slightly elevated total dissolved solids content, however with low suspended solids;
- Ionic content indicative of ‘hard’ water conditions, with a significant portion apparently due to sodium and chloride (i.e. salts);
- Low to negligible nutrients present as nitrogen, nitrates/nitrites and phosphorous; and

- No detection above the PQL for microbiological species (coliforms).

Ammonia concentrations were not detected above the SAC and based on other analytical results, this is not suggestive of potential leachate impacts to groundwater.

Based on Douglas' experience, the concentrations of metals in groundwater, typically copper, nickel and zinc are more likely due to regional urban groundwater conditions rather than a specific off-site or on-site contamination source. The TRH and metals in groundwater are not considered a risk to future site users, but may remain a consideration if construction dewatering is required.

13. Revised conceptual site model

Based on the results of the current investigation a number of conclusions regarding the preliminary CSM are given:

- No significant off-site groundwater impacts have been identified, including the potential contamination from potential leachate impacts from the former quarry (S4) or from a diesel tank / former motor garage / service station(S5);
- No hazardous ground gases have been identified to suggest the need for further targeted gas assessment;
- Based on the above two points, the risk of significant landfilling in the former quarry to the west which could result in off-site sources of contamination (ground gases and leachate) impacting the site is considered to be of low risk;
- Soil impacts appear limited to minor ecological exceedances. No significant exceedances of criteria protective of human health have been identified, risks from unexpected finds however should be considered;
- Based on the soil results impacts to surface water and groundwater pathways / receptors are considered minimal; and
- No risks to off-site receptors from on-site sources are considered significant.

Accordingly, the preliminary CSM has been revised as follows:

Table 9: Revised CSM

Source and CoPC	Exposure pathway	Receptor	Risk management action
S1: Fill metals, PFAS, TRH, BTEX, PAH, PCB, OPP, OCP, phenols and asbestos	**HP1:** Ingestion and dermal contact **HP2:** Inhalation of dust and/or vapours	**HR2:** Construction and maintenance workers **HR3:** End users [residential, commercial]	Implement unexpected finds protocol to manage risks during construction (workers) and potential impact to the end users

Source and CoPC	Exposure pathway	Receptor	Risk management action
	EP4: Inhalation, ingestion and absorption	**ER3:** Terrestrial ecosystems	Manage minor ecological exceedances through preferential relocation of impacted soils outside of deep soil zones.
S4: Former quarry (landfill gas) Bulk gases and VOC	**HP2:** Inhalation	**HR1:** Current users [commercial / industrial] **HR2:** Construction and maintenance workers **HR3:** End users [residential, commercial]	No risks identified for site users. No further targeted investigation is considered necessary.
S4: Former quarry (leachate impacts in groundwater) Various (ammonia chosen as indicator) **S5: Off-site petroleum impacts** TRH, BTEX, metals	**HP1:** Ingestion and dermal contact	**HR2:** Construction and maintenance workers	No risks identified for site users. No further assessment is considered necessary. Current results do not indicate significant impacts, however applicable analytes (e.g. ammonia, TRH) should be considered if dewatering is required for the proposed development.
S4: Existing buildings	**HP1:** Ingestion and dermal contact **HP2:** Inhalation	**HR1:** Current users [commercial / industrial] **HR2:** Construction and maintenance workers **HR3:** End users [residential, commercial]	Refer to recommendations of separately prepared HAZMAT investigation (Douglas, 2025), Appendix J.

14. Conclusions and recommendations

Based on the results of the DSI it is considered that the site is suitable for the proposed development subject to implementation of the recommendations below:

- Soils near BH02 should be preferentially relocated away from the proposed deep soil zones / landscaped areas (e.g. under hardstand). This may include replacement with other suitable site won soils (e.g. VENM). Alternatively, the soils should be disposed off-site as part of bulk excavation. In this regard a soil management plan can be developed to outline requirements for bulk excavation (including testing requirements per the point below);
- All surplus soil / rock requiring off-site disposal is to be classified in accordance with NSW EPA guidelines;
- An unexpected finds protocol is implemented to manage potential risks during construction. The unexpected finds protocol can be combined as part of the recommended soil management plan; and
- The recommendations of the separate HAZMAT report (Douglas, 2025) are implemented (in Appendix J).

It is understood a separate groundwater impact assessment report is being prepared which will outline potential requirements to manage contamination risks during site dewatering.

15. References

Coffey. (2016). *Detailed Site Investigation. North Shore Private Hospital, Stage 1 - East Tower.* Reference GEOTLCOV25513AB-AC.

CRC CARE. (2017). *Risk-based Management and Remediation Guidance for Benzo(a)pyrene.* Technical Report no. 39: Cooperative Research Centre for Contamination Assessment and Remediation of the Environment.

Douglas. (2025). *Report on Hazardous Building Materials (HAZMAT) Survey. 33 & 37 Herbert Street, St Leonards NSW.* Reference 237003.01.R.001.Rev0 dated December 2025.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM].* Australian Government Publishing Services Canberra: National Environment Protection Council.

NSW EPA. (2020). *Assessment and Management of Hazardous Ground Gases.* NSW Environment Protection Authority.

NSW EPA. (2020). *Guidelines for Consultants Reporting on Contaminated Land.* Contaminated Land Guidelines: NSW Environment Protection Authority.

NSW EPA. (2022). *Contaminated Sites, Sampling Design Guidelines.* NSW Environment Protection Authority.

SLR. (2015). *Stage 1 Preliminary Site Investigation. 33 Herbert Street, St Leonards, NSW.* Reference 610.14997-R1.

SLR. (2016). *Stage 1 Preliminary Site Investigation. 37 Herbert Street, St Leonards, NSW.* Reference 610.14997-R2.

WSP. (2015). *Remediation Action Plan, 10 Herbert Street, St Leonards, NSW.* Reference 2268308A-CLM-REP-001 RevA.

16. Limitations

Douglas Partners Pty Ltd (Douglas) has prepared this report (or services) for this project at 33 & 37 Herbert Street, St Leonards NSW in line with Douglas' proposal dated 24 July 2025 and acceptance received from Celia Mak of Aqualand St Leonard Development Pty Ltd dated 30 September 2025. The work was carried out under the project terms (Services Contract Standard Form, executed 8 December 2025). This report is provided for the exclusive use of Aqualand St Leonard Development Pty Ltd for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of Douglas, does so entirely at its own risk and without recourse to Douglas for any loss or damage. In preparing this report Douglas has necessarily relied upon information provided by the client and/or their agents.

The results provided in the report are indicative of the sub-surface conditions on the site only at the specific sampling and/or testing locations, and then only to the depths investigated and at the time the work was carried out. Sub-surface conditions can change abruptly due to variable geological processes and also as a result of human influences. Such changes may occur after Douglas' field testing has been completed.

Douglas' advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by Douglas in this report may be affected by undetected variations in ground conditions across the site between and beyond the sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

The assessment of atypical safety hazards arising from this advice is restricted to the environmental components set out in this report and based on known project conditions and stated design advice and assumptions. While some recommendations for safe controls may be provided, detailed ‘safety in design’ assessment is outside the current scope of this report and requires additional project data and assessment.

Asbestos has not been detected by observation or by laboratory analysis, either on the surface of the site, or in fill materials at the test locations sampled and analysed. Building demolition materials, such as concrete and brick were, however, observed in the fill present on site, and these are considered as indicative of the possible presence of hazardous building materials (HBM), including asbestos.

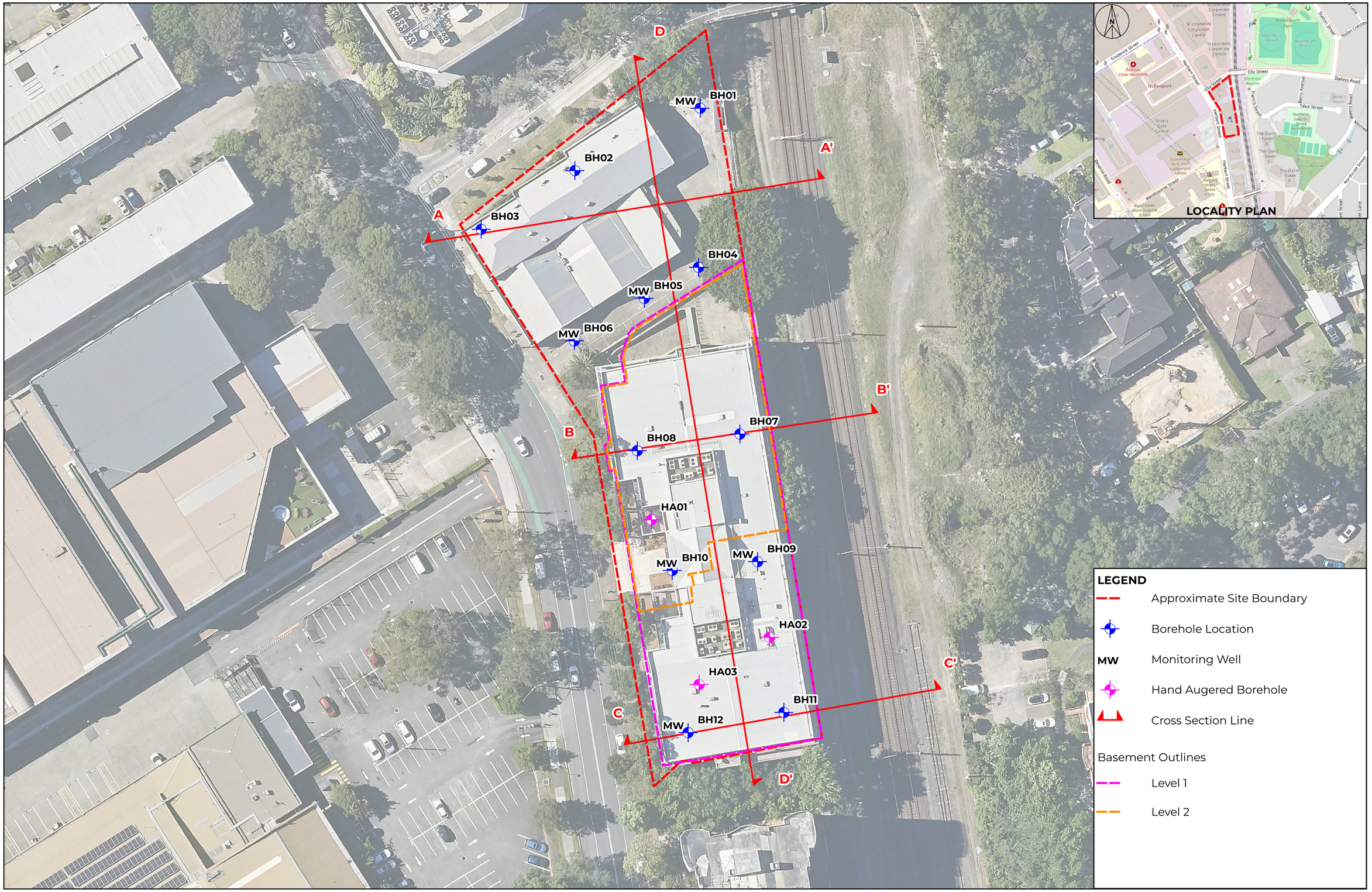
Although the sampling plan adopted for this investigation is considered appropriate to achieve the stated project objectives, there are necessarily parts of the site that have not been sampled and analysed. This is either due to undetected variations in ground conditions or to parts of the site being inaccessible and not available for inspection / sampling. It is therefore considered possible that HBM, including asbestos, may be present in unobserved or untested parts of the site, between and beyond sampling locations, and hence no warranty can be given that asbestos is not present.

This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. Douglas cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by Douglas. This is because this report has been written as advice and opinion rather than instructions for construction

Appendix A

Drawings



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	18.02.2026	JJH

SCALE: 0 7.5 15 22.5 30 m
1:750 @ A3

Douglas PARTNERS
OFFICE: SYDNEY
96-98 Hermitage Rd, West Ryde NSW 2114
(02)9809 0666

CLIENT:
Aqualand St Leonard Development Pty Ltd

NOTE:
1:
Basemap from Metromap (Dated 02.10.2025)
2: Basement outlines from LTS, Reference 52609001DT, Revision A (Dated 11.08.2025)

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:
Proposed Residential Development
PROJECT ADRESS:
33 & 37 Herbert Street St Leonards

DRAWING TITLE:
Test Location Plan

PROJECT NO: **237003.02**
DRAWING NO: **1**
REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz

A

A'

ELEVATION (AHD)

APPROXIMATE SITE BOUNDARY

APPROXIMATE SITE BOUNDARY

Herbert Street

BH03 (0.93)

BH06 (25.20)

BH02 (9.89)

BH05 (18.78)

BH04 (14.18)

BH01 (18.56)

Up Shore Line

Down Shore Line

Unit 1: Pavement Fill / Soil

Unit 2: Residual Soil

Unit 3: Low and Medium Strength Sandstone with High and Very Low Strength Bands and Clay Seams

Unit 4: Medium Strength Sandstone

Unit 5: M and H strength sandstone

H Strength Interbedded Sandstone and Siltstone 1.6m Thick

DISTANCE ALONG PROFILE (m)

LEGEND

- CI - Medium Plasticity CLAY
- CI-CH - Medium to High Plasticity CLAY
- CLAY
- CONCRETE
- NO CORE
- FILL
- INTERBEDDED SILTSTONE & SANDSTONE
- SANDSTONE
- SC - Clayey SAND

TESTS / OTHER

- N - Standard penetration test value
- — ? — — - Interpreted geotechnical boundary
- ▼ - Groundwater Level

ROCK STRENGTH

- VL - Very Low
- L - Low
- M - Medium
- H - High
- VH - Very High
- EH - Extremely High

CONSISTENCY (COHESIVE SOILS)

- vs - Very Soft
- s - Soft
- f - Firm
- st - Stiff
- vst - Very Stiff
- h - Hard

COMPACTION (anthropogenically modified soil)

- na - Not applicable
- nd - No data
- pc - Poorly compacted
- mc - Moderately compacted
- wc - Well compacted
- vc - Variably compacted

REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	27.11.2025	MN

SCALE: 0 5

Horizontal Scale 1:250
Vertical Exaggeration = 1.0

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02) 9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTES

1. Subsurface conditions are accurate at the borehole locations only. Variations in subsurface conditions may occur between borehole locations. Interpreted strata boundaries are approximate and should be used as a guide only.
2. Summary logs only and should be read in conjunction with detailed logs.
3. Basement outline, levels and surface levels taken from survey drawing prepared by LTS, Ref No. 52609001DT (sheet 8).
4. Rail track levels and position taken from survey drawing prepared by LTS, Ref No. 52609 001DT (sheet 2 to 7).
5. Refer to Table 5 of the report for detailed description of geotechnical units

PROJECT NAME:

Proposed Residential Development

PROJECT ADDRESS:

33 & 37 Herbert Street, St Leonards

DRAWING TITLE:

Geological Cross Section A-A'

PROJECT No: **237003.00**

DRAWING No: **2**

REVISION: **0**

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B

B'

ELEVATION (AHD)

APPROXIMATE SITE BOUNDARY

APPROXIMATE SITE BOUNDARY

Herbert Street

Up Shore Line

Down Shore Line

Unit 1: Pavement Fill / Soil

Unit 2: Residual Soil

BH08 (0.32)

BH07 (0.10)

Proposed Bulk Excavation Level RL 70 m

Unit 3: Low and Medium Strength Sandstone with High and Very Low Strength Bands and Clay Seams

Unit 4: Medium Strength Sandstone

Unit 5: M and H strength sandstone

0 10 20 30 40 50 60 70 80

LEGEND

- CI-CH - Medium to High Plasticity CLAY
- CLAY
- CL-CI - Low to Medium Plasticity CLAY
- CONCRETE
- NO CORE
- FILL
- SANDSTONE

TESTS / OTHER

- Interpreted geotechnical boundary
- Groundwater Level

DISTANCE ALONG PROFILE (m)

ROCK STRENGTH

VL - Very Low
L - Low
M - Medium
H - High
VH - Very High
EH - Extremely High

CONSISTENCY (COHESIVE SOILS)

vs - Very Soft
s - Soft
f - Firm
st - Stiff
vst - Very Stiff
h - Hard

COMPACTION (anthropogenically modified soil)

na - Not applicable
nd - No data
pc - Poorly compacted
mc - Moderately compacted
wc - Well compacted
vc - Variably compacted

REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	27.11.2025	MN

SCALE: 0 5

Horizontal Scale 1:250
Vertical Exaggeration = 1.0

Douglas PARTNERS
OFFICE: SYDNEY
96-98 Hermitage Rd, West Ryde NSW 2114
(02) 9809 0666

CLIENT:
Aqualand St Leonard Development Pty Ltd

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3. Basement outline, levels and surface levels taken from survey drawing prepared by LTS, Ref No. 52609001DT (sheet 8).
4. Rail track levels and position taken from survey drawing prepared by LTS, Ref No. 52609 001DT (sheet 2 to 7).
5. Refer to Table 5 of the report for detailed description of geotechnical units

PROJECT NAME:
Proposed Residential Development

PROJECT ADDRESS:
33 & 37 Herbert Street, St Leonards

DRAWING TITLE:
Geological Cross Section B-B'

PROJECT No: **237003.00**

DRAWING No: **3**

REVISION: **0**

\\dpsydnas02\Projects\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.2 Out\237003.00.D.002-5.Rev0_Cross Sections.dwg

C

C'

ELEVATION (AHD)

APPROXIMATE SITE BOUNDARY

APPROXIMATE SITE BOUNDARY

Herbert Street

BH12 (0.21)

BH11 (0.88)

Unit 1: Pavement Fill / Soil

Unit 2: Residual Soil

Unit 3: Low and Medium Strength Sandstone with High and Very Low Strength Bands and Clay Seams

Unit 4: Medium Strength Sandstone

Up Shore Line

Down Shore Line

SOIL

SEAM

VL and M

M and H

L to M

DISTANCE ALONG PROFILE (m)

LEGEND

- CI - Medium Plasticity CLAY
- CLAY
- CONCRETE
- NO CORE
- FILL
- SANDSTONE

TESTS / OTHER

- — ? — — - Interpreted geotechnical boundary
- ▼ - Groundwater Level

ROCK STRENGTH

- VL - Very Low
- L - Low
- M - Medium
- H - High
- VH - Very High
- EH - Extremely High

CONSISTENCY (COHESIVE SOILS)

- vs - Very Soft
- s - Soft
- f - Firm
- st - Stiff
- vst - Very Stiff
- h - Hard

COMPACTION (anthropogenically modified soil)

- na - Not applicable
- nd - No data
- pc - Poorly compacted
- mc - Moderately compacted
- wc - Well compacted
- vc - Variably compacted

REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	27.11.2025	MN

SCALE: 0 5

Horizontal Scale 1:250
Vertical Exaggeration = 1.0

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02) 9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTES

1. Subsurface conditions are accurate at the borehole locations only. Variations in subsurface conditions may occur between borehole locations. Interpreted strata boundaries are approximate and should be used as a guide only.
2. Summary logs only and should be read in conjunction with detailed logs.
3. Basement outline, levels and surface levels taken from survey drawing prepared by LTS, Ref No. 52609001DT (sheet 8).
4. Rail track levels and position taken from survey drawing prepared by LTS, Ref No. 52609 001DT (sheet 2 to 7).
5. Refer to Table 5 of the report for detailed description of geotechnical units

PROJECT NAME:

Proposed Residential Development

PROJECT ADDRESS:

33 & 37 Herbert Street, St Leonards

DRAWING TITLE:

Geological Cross Section C-C'

PROJECT No: **237003.00**

DRAWING No: **4**

REVISION: **0**

\\dpsydnas02\Projects\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.2 Out\237003.00.D.002-5.RevO_Cross Sections.dwg

D

D'

APPROXIMATE SITE BOUNDARY

Retaining Wall
Metal Fence on Brick Wall

Ella Street

BH01 (11.90)

BH02 (16.08)

Unit 1: Pavement Fill / Soil

BH04 (6.17)

BH05 (6.06)

Retaining Wall
Metal Fence on Brick Wall

Proposed Bulk Excavation
Level RL 70 m

BH08 (11.12)

BH07 (10.60)

Existing Stormwater Main
(Not to scale)

BH10 (9.51)

BH09 (8.41)

Unit 1: Pavement Fill / Soil

Unit 2: Residual Soil

BH11 (8.72)

BH12 (11.72)

APPROXIMATE SITE BOUNDARY

Unit 4: Medium Strength Sandstone

Unit 5: M and H strength sandstone

H Strength Interbedded Sandstone and Siltstone 1.6m Thick

Unit 3: Low and Medium Strength Sandstone with High and Very Low Strength Bands and Clay Seams

ELEVATION (AHD)

94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

DISTANCE ALONG PROFILE (m)

LEGEND

- CI - Medium Plasticity CLAY
- CL-CI - Low to Medium Plasticity CLAY
- FILL
- SANDSTONE
- CI-CH - Medium to High Plasticity CLAY
- CONCRETE
- INTERBEDDED SILTSTONE & SANDS
- SC - Clayey SAND
- CLAY
- NO CORE

TESTS / OTHER

- N - Standard penetration test value
- — ? — - Interpreted geotechnical boundary
- ▼ - Groundwater Level
- - - - - Existing basement surface level (Level 1)
- - - - - Existing basement surface level (Level 2)

ROCK STRENGTH

- VL - Very Low
- L - Low
- M - Medium
- H - High
- VH - Very High
- EH - Extremely High

CONSISTENCY (COHESIVE SOILS)

- vs - Very Soft
- s - Soft
- f - Firm
- st - Stiff
- vst - Very Stiff
- h - Hard

COMPACTION (anthropogenically modified soil)

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- pc - Poorly compacted
- mc - Moderately compacted
- wc - Well compacted
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REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	27.11.2025	MN

SCALE: 0 10

Horizontal Scale 1:500
Vertical Exaggeration = 2.0

Douglas PARTNERS
OFFICE: SYDNEY
96-98 Hermitage Rd, West Ryde NSW 2114
(02) 9809 0666

CLIENT:
Aqualand St Leonard Development Pty Ltd

NOTES
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2. Summary logs only and should be read in conjunction with detailed logs.
3. Horizontal and vertical scales are not equal.
4. Basement outline, levels and surface levels taken from survey drawing prepared by LTS,Ref No. 52609001DT (sheet 8).
5. Rail track levels and position taken from survey drawing prepared by LTS, Ref No. 52609001DT(sheet 2 to 7).
6. Refer to Table 5 of the report for detailed description of geotechnical units

PROJECT NAME:
Proposed Residential Development

PROJECT ADDRESS:
33 & 37 Herbert Street, St Leonards

DRAWING TITLE:
Geological Cross Section D-D'

PROJECT No: **237003.00**

DRAWING No: **5**

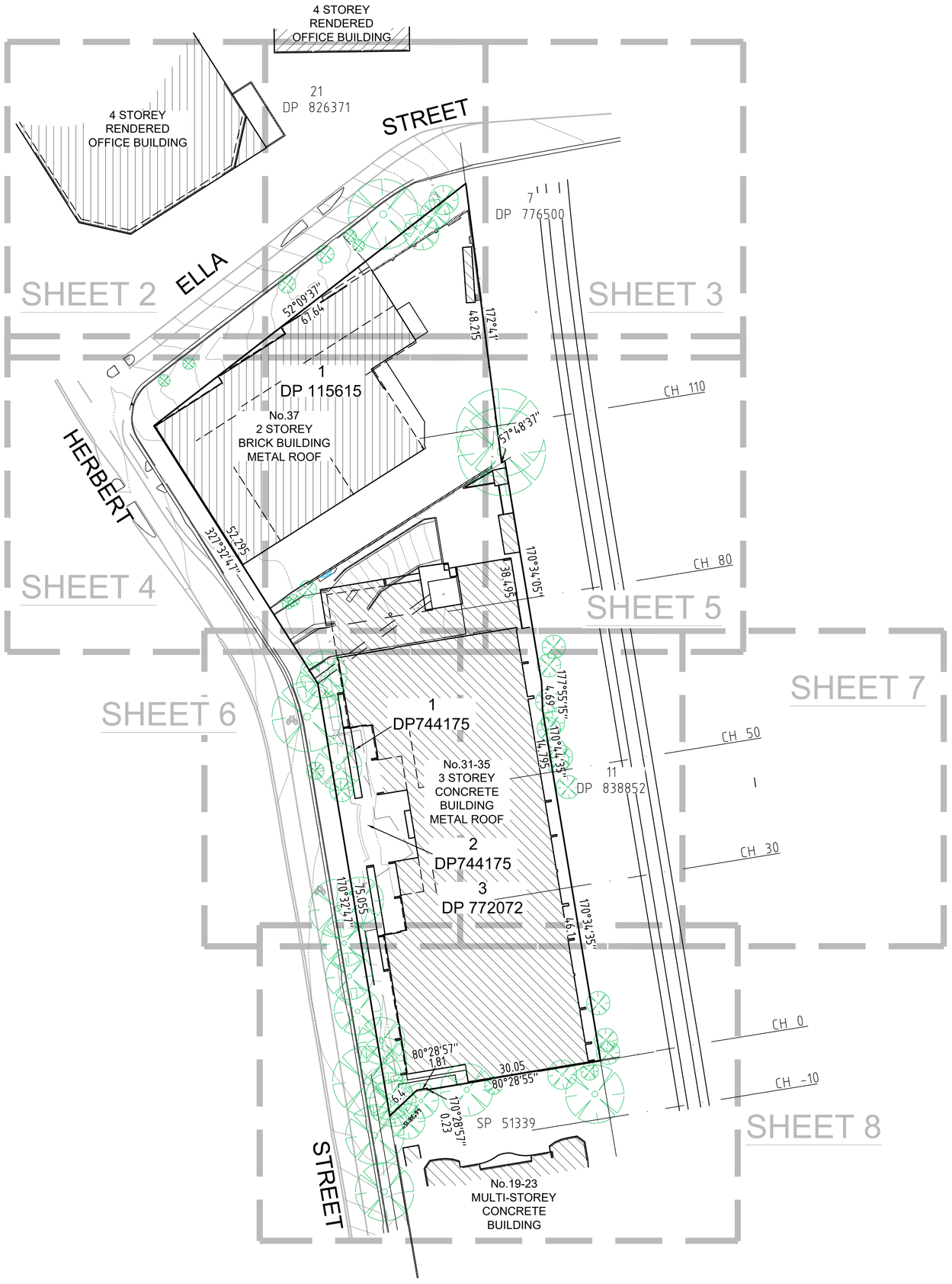
REVISION: **0**

\\dpsydnas02\Projects\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.2 Out\237003.00.D.002-5.Rev0.Cross Sections.dwg

LEGEND

BENCH MARK	▲
COMMS PIT	COM
TELSTRA PILLAR	TPIL
ELECTRIC LIGHT POLE	ELP
ELECTRICITY PIT	EPIT
ELECTRICITY BOX	EBOX
POWER POLE	PP
SEWER INSPECTION POINT	SIP
SEWER MANHOLE	SMH
SERVICE PIT	PIT
PIT WITH METAL LID	MLID
STREET SIGN	SS
PARKING METER	PM
VEHICLE CROSSING	(VC)
PRAM CROSSING	(PC)
WINDOW	W
DOOR	D
HEAD/SILL	H/S
COMMUNICATIONS (DBYD)	C
ELECTRICITY (U'GROUND DBYD)	E
ELECTRICITY (OVERHEAD)	P
SEWER (DBYD)	S
WATER (DBYD)	W
GAS (DBYD)	G
GAS (DETECTED)	G(D)
COMMUNICATIONS (DETECTED)	C(D)
WATER (DETECTED)	W(D)
ELECTRICITY (DETECTED)	E(D)
DEPTH TO SERVICES	D:0.5

(A) DEALING I436520 - LEASE TO SYDNEY ELECTRICITY OF SUBSTATION No.6720. (GROUND FLOOR) TOGETHER WITH A RIGHT OF WAY 5 WIDE AND EASEMENT FOR PURPOSES 2 WIDE SHOWN ON PLAN WITH I436520. EXPIRES 29-9-2083.



MGA
TN
1°00' APPROX

NOTES

1. THE BOUNDARIES HAVE NOT BEEN MARKED ON GROUND
2. THE BOUNDARY SURVEY (DIMENSIONS AND AREA) HAVE BEEN SURVEYED IN ACCORDANCE WITH SURVEYING AND SPATIAL INFORMATION REGULATION 2017 CLAUSE 10 "IDENTIFICATION SURVEYS" AND ARE SUBJECT TO FINAL SURVEY
3. ORIGIN OF **MGA2020** COORDINATES IS TAKEN FROM **SSM 85259** - E:**332721.678**, N:**6256554.913** IN HERBERT & ELLA STREETS **(24/07/2025)**
4. ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM **SSM 85259** R.L. **76.928** (A.H.D.) IN HERBERT & ELLA STREETS
5. CONTOUR INTERVAL **0.25 m**
6. CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
7. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
8. KERB LEVELS ARE TO THE TOP OF KERB UNLESS SHOWN OTHERWISE
9. FLOOR LEVELS SHOWN ARE THRESHOLD LEVELS. NO INVESTIGATION OF INTERNAL FLOOR LEVELS HAS BEEN UNDERTAKEN
10. NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE
11. 8/.4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
12. SHOWS APPROXIMATE POSITION OF ROAD LINEMARKING AND IS INDICATIVE ONLY
13. BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1°00' FOR TRUE NORTH

BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

GDA2020

0 8 16 24 32 40

SCALE 1:400 @ A1

Revision	Date	Description	Reference
H	00/00/00	-	00
G	00/00/00	-	00
F	00/00/00	-	00
E	00/00/00	-	00

Revision	Date	Description	Reference
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C	00/00/00	-	00
B	29/10/25	BASEMENT 1 AND BASEMENT 2 ADDED	002
A	08/10/25	PITS DIAGRAMS AND DETECTED SERVICES ADDED	002

LTS CONFIDENCE TOGETHER
www.ltsi.com.au | P 1300 587 000

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....
Registered Surveyor NSW

Client AQUALAND ST LEONARDS DEVELOPMENT PTY LTD

Drawing title
PLAN OF DETAIL AND LEVELS OVER 1 DP 115615, LOTS 1 & 2 DP 744175 & LOT 3 DP 772072 AT No.31-35 & 37 HERBERT STREET, ST LEONARDS

datum AHD
site Area 5927 m²
LGA WILLOUGHBY

reference number 52609 001DT
scale 1:400 @A1
date of survey 08/08/2025
SHEET 1 OF 11

4 STOREY
RENDERED OFFICE BUILDING

PARAPET RL96.61

WINDOWS
GROUND FLOOR H:83.96 S:...
1st FLOOR H:87.95 S:84.86
2nd FLOOR H:91.55 S:88.84
3rd FLOOR H:95.15 S:92.06

21
DP 826371

MGA
TN
100°
APPROX.

4 STOREY
RENDERED OFFICE BUILDING

PARAPET RL97.10

WINDOWS
GROUND FLOOR H:83.95 S:79.75
1st FLOOR H:87.95 S:84.81
2nd FLOOR H:91.55 S:88.84
3rd FLOOR H:95.15 S:92.49

STREET

ELLA

52°09'37"
67.64
BRICK PLANTER
PARAPET RL85.08

AWNING

RIDGE RL86.23

TOP OF GUTTER RL84.09

GRATED DRAIN

GUTTER

FENCE

MESH

GARDEN

CHAINWIRE FENCE ON WALL

BRICK

METAL FENCE

METAL SHED

CONCRETE

CONCRETE TRAFFIC ISLAND

GRASS

FOOTPATH

LIP / TOP

80.00

48.275

177.71

SEE SHEET 1 FOR LEGEND & NOTES

BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

GDA2020

0 2 4 6 8 10
SCALE 1:100 @ A1

Revision	Date	Description	Reference
H	00/00/00	-	00
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datum AHD
site Area 5927 m²
LGA WILLOUGHBY

reference number 52609 001DT
scale 1:100 @A1
date of survey 08/08/2025
SHEET 2 OF 11

4 STOREY
RENDERED OFFICE BUILDING

PARAPET RL96.61

WINDOWS
GROUND FLOOR H:83.96 S:...
1st FLOOR H:87.95 S:84.86
2nd FLOOR H:91.55 S:88.84
3rd FLOOR H:95.15 S:92.06

MGA

TN

APPROX 13°

21
DP 826371

STREET

ELLA

7
DP 776500

RAILWAY

RAILWAY

TRACKS

TRACKS

RAIL POST

CONCRETE TRAFFIC ISLAND

CONCRETE TRAFFIC ISLAND

GUTTER

KERB

FENCE

MESH

CONCRETE

BARRIER

GARDEN

CHAINWIRE FENCE ON BRICK WALL

METAL FENCE

METAL SHED

CHAINWIRE MESH FENCE

GRASS

FOOTPATH

AWNING

67.64 BRICK PLANTER

PARAPET RL85.08

RIDGE RL86.23

52°09'37"

172°4'1"

48.215

GRATED DRAIN

AWNING

TOP OF GUTTER RL84.09

CONCRETE

LIP

TOP

SEE SHEET 1 FOR LEGEND & NOTES

BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

GDA2020

0 2 4 6 8 10
SCALE 1:100 @ A1

Revision	Date	Description	Reference
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www.ltsi.com.au | P 1300 587 000

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datum AHD
site Area 5927 m²
LGA WILLOUGHBY

reference number 52609 001DT
scale 1:100 @A1
date of survey 08/08/2025
SHEET 3 OF 11

MGA

TN

APPROX.

HERBERT STREET

BENCHMARK
SSM 82259
RL.76.928 (AHD)

1
DP 115615

No.37
2 STOREY
BRICK BUILDING
METAL ROOF

RIDGE RL86.23
RIDGE RL86.03
RIDGE RL85.87
RIDGE RL85.78
RIDGE RL83.83

PARAPET RL85.04
PARAPET RL85.08
PARAPET RL85.06
PARAPET RL86.06

BRICK PLANTER
CONCRETE
FOOTPATH
GRASS
TOP OF GUTTER RL84.09
GRATED DRAIN
AWNING
CONCRETE RAMP
PAVED DRIVEWAY
DRIVEWAY
BRICK WALL
METAL FENCE
CONCRETE DRIVEWAY
TRAFFIC ISLAND
KERB & GUTTER
RENDE PLAN

52.295
327°32'47"

SEE SHEET 1 FOR LEGEND & NOTES

SCALE 1: 100 @ A1

Revision	Date	Description	Reference
H	00/00/00	-	00
G	00/00/00	-	00
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datum AHD
site Area 5927 m²
LGA WILLOUGHBY

reference number 52609 001DT
scale 1:100 @A1
date of survey 08/08/2025
SHEET 4 OF 11

MGA

TN

APPROX. 1°00'

No.37
2 STOREY
BRICK BUILDING
METAL ROOF

1
DP 115615

11
DP 838852

CH 110

CH 80

RIDGE RL86.23

RIDGE RL86.03

RIDGE RL83.78

RIDGE RL83.83

TOP OF GUTTER RL84.09

GRATED DRAIN

AWNING

CONCRETE

CHAINWIRE

MESH

FENCE

RENDERED

RENDERED PLANTER

WALL

BRICK

DRIVEWAY

PATH ON

METAL

CONCRETE RAMP

PAVED DRIVEWAY

CONCRETE DRIVEWAY

RAILWAY

TRACKS

RAIL POST

57°48'37"
0.64

107°34'05"
38.55

SEE SHEET 1 FOR LEGEND & NOTES

BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

GDA2020

0 2 4 6 8 10

SCALE 1:100 @ A1

Revision	Date	Description	Reference
H	00/00/00	-	00
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www.ltsi.com.au | P 1300 587 000

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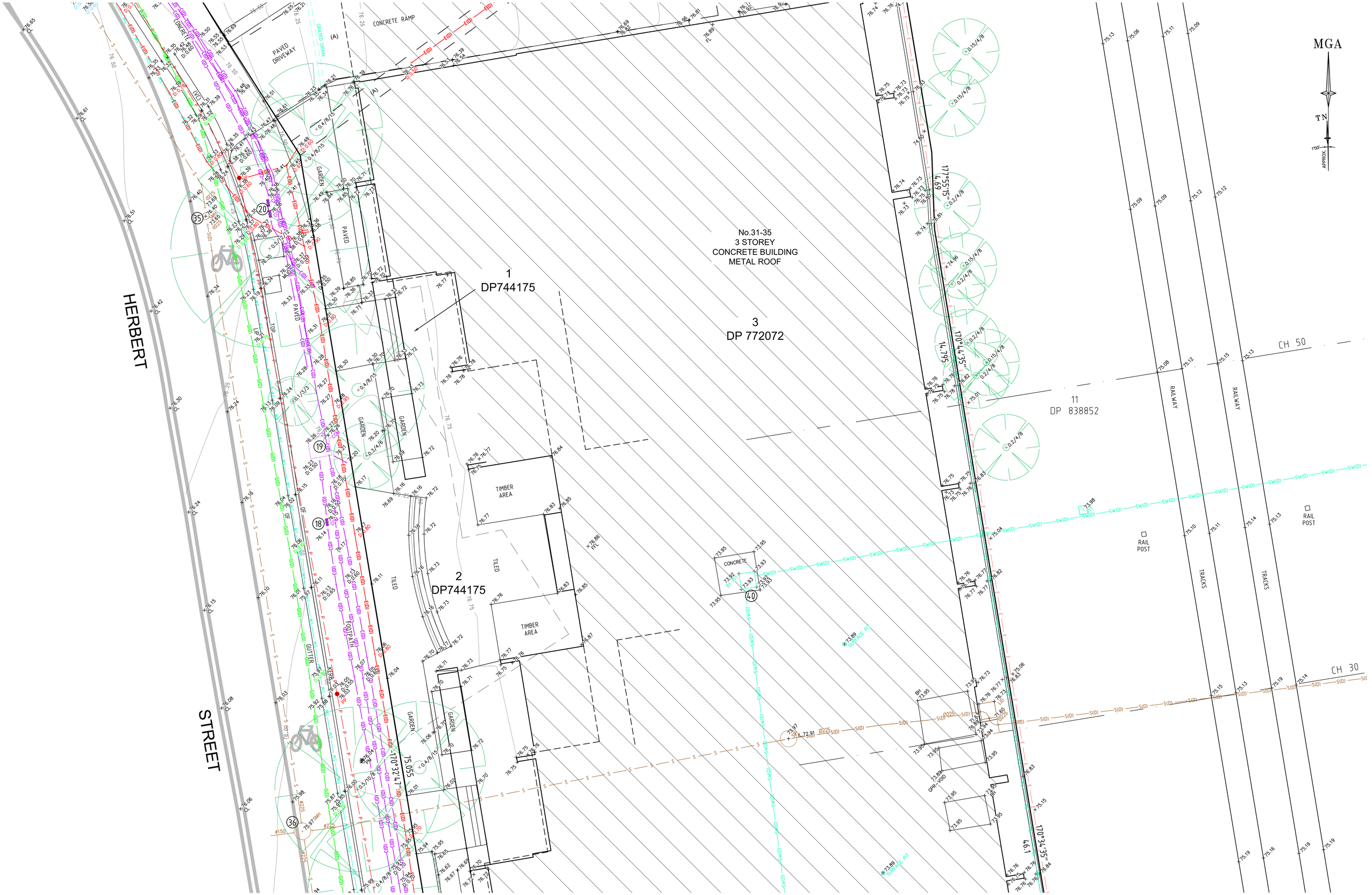
.....
Registered Surveyor NSW

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datum AHD
site Area 5927 m²
LGA WILLOUGHBY

reference number 52609 001DT
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SHEET 5 OF 11



SEE SHEET 1 FOR LEGEND & NOTES

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BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

GDA2020

0 2 4 6 8 10

SCALE 1:100 @ A1

LTS CONFIDENCE TOGETHER
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datum AHD
site Area 5927 m²
LGA WILLOUGHBY

reference number 52609 001DT
scale 1:100 @A1
date of survey 08/08/2025
SHEET 6 OF 11

No.31-35
3 STOREY
CONCRETE BUILDING
METAL ROOF

3
DP 772072

11
DP 838852

177°55'15"
14.99

170°44'35"
14.795

170°24'35"
46.1

CH 50

CH 30

RAILWAY

RAILWAY

TRACKS

TRACKS

RAIL POST

RAIL POST

CONCRETE

SURFACE PIT

SURFACE PIT

GPR-MID

MGA

TN

100m APPROX.

DIAGRAM- HEAD WALL ELEVATION
SCALE 1:100

SEE DIAGRAM FOR ELEVATION

SEE SHEET 1 FOR LEGEND & NOTES

BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

GDA2020

0 2 4 6 8 10
SCALE 1: 100 @ A1

Revision	Date	Description	Reference
H	00/00/00	-	00
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LTS CONFIDENCE TOGETHER
www.ltsl.com.au | P 1300 587 000

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datum AHD
site Area 5927 m²
LGA WILLOUGHBY

reference number 52609 001DT
scale 1:100 @A1
date of survey 08/08/2025
SHEET 7 OF 11

HERBERT STREET

SP 51339

11
DP 838852

No.19-23
MULTI-STORey
CONCRETE BUILDING

ENCLOSED BALCONY (SLAB TO HEAD WINDOWS)
WINDOWS

WINDOWS/SLAB
GROUND FLOOR
SLAB RL (NOT VISIBLE)
S:(NOT VISIBLE) H:80.81
1st FLOOR SLAB:80.78
H:81.76 S:83.27
2nd FLOOR SLAB:83.54
H:84.55 S:86.03
3rd FLOOR SLAB:86.31
H:87.27 S:88.80
4th FLOOR SLAB:89.08
H:90.07 S:91.55
5th FLOOR SLAB:91.84
H:92.78 S:94.32
6th FLOOR SLAB:94.59
H:95.57 S:97.08
7th FLOOR SLAB:97.33
H:98.32 S:99.79
8th FLOOR SLAB:100.10
H:101.07 S:102.56
9th FLOOR SLAB:102.93
H:103.93 S:105.43
LEVEL 10 SLAB:105.85

BENCHMARK
CUT IN KERB
RL.76.44 (AHD)

PLANTERBOX
CONCRETE
GARDEN
RAMP
PAVED
GUTTER
KERB
FOOTPATH
RENDERED WALL
RAILWAY
TRACKS
RAIL POST
CH 0
CH

30.05
80°28'57"
1.81
80°28'55"
170°28'57"
0.23
6.4

MGA
TN
APPROX.

SEE SHEET 1 FOR LEGEND & NOTES

BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

GDA2020

0 2 4 6 8 10
SCALE 1:100 @ A1

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C	00/00/00	-	00
B	29/10/25	BASEMENT 1 AND BASEMENT 2 ADDED	002
A	08/10/25	PITS DIAGRAMS AND DETECTED SERVICES ADDED	002

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THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

.....
Registered Surveyor NSW

Client AQUALAND ST LEONARDS DEVELOPMENT PTY LTD

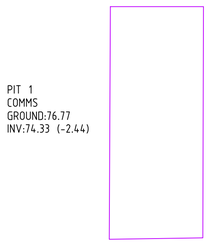
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datum AHD
site Area 5927 m²
LGA WILLOUGHBY

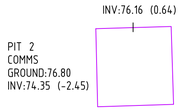
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SHEET 8 OF 11

PIT DIAGRAMS

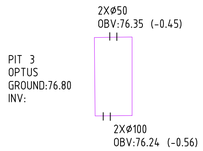
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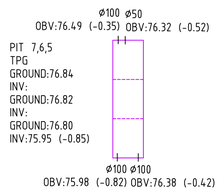
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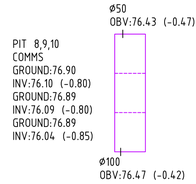
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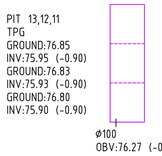
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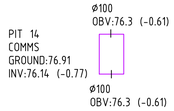
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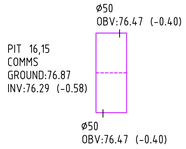
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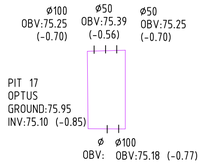
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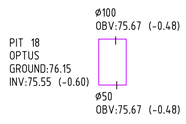
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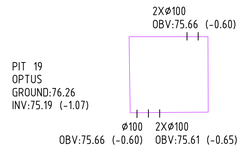
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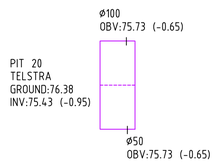
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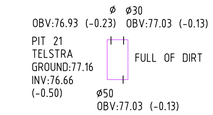
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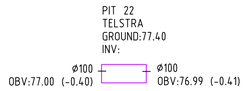
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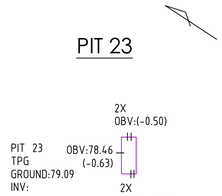
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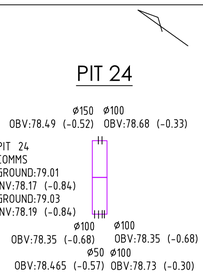
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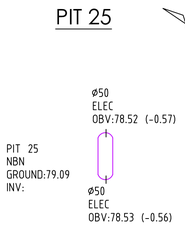
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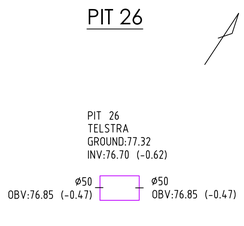
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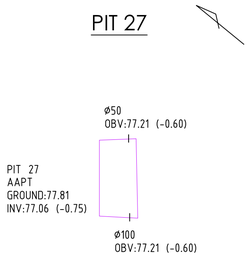
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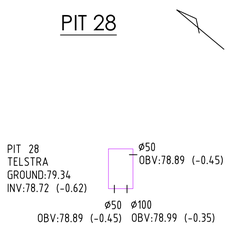
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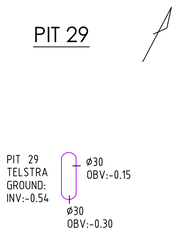
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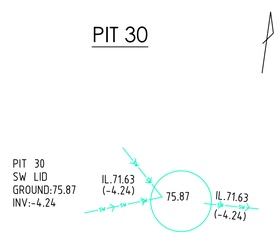
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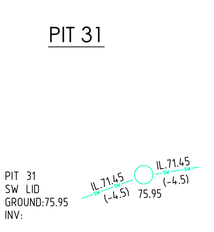
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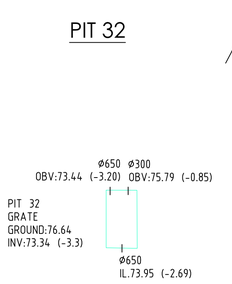
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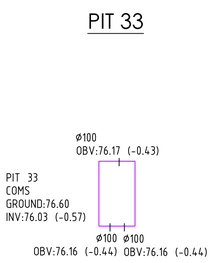
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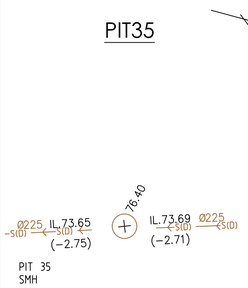
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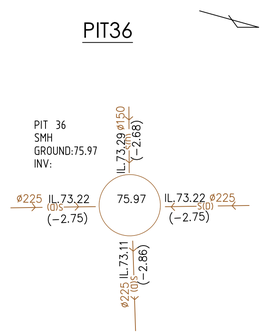
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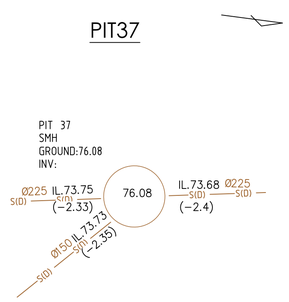
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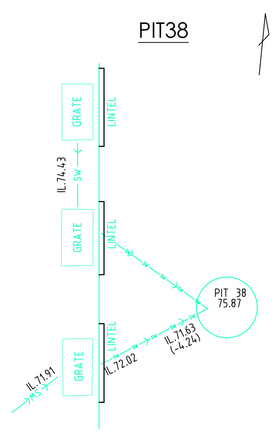
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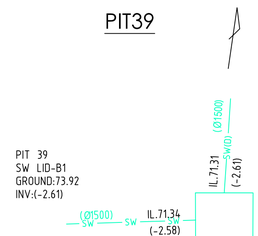
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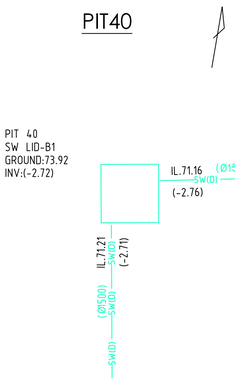
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PIT39



PIT40



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GDA2020

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SCALE 1: 200 @ A1

SEE SHEET 1 FOR LEGEND & NOTES

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H	00/00/00	-	00
G	00/00/00	-	00
F	00/00/00	-	00
E	00/00/00	-	00

Revision	Date	Description	Reference
D	00/00/00	-	00
C	00/00/00	-	00
B	29/10/25	BASEMENT 1 AND BASEMENT 2 ADDED	002
A	08/10/25	PITS DIAGRAMS AND DETECTED SERVICES ADDED	002

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Registered Surveyor NSW

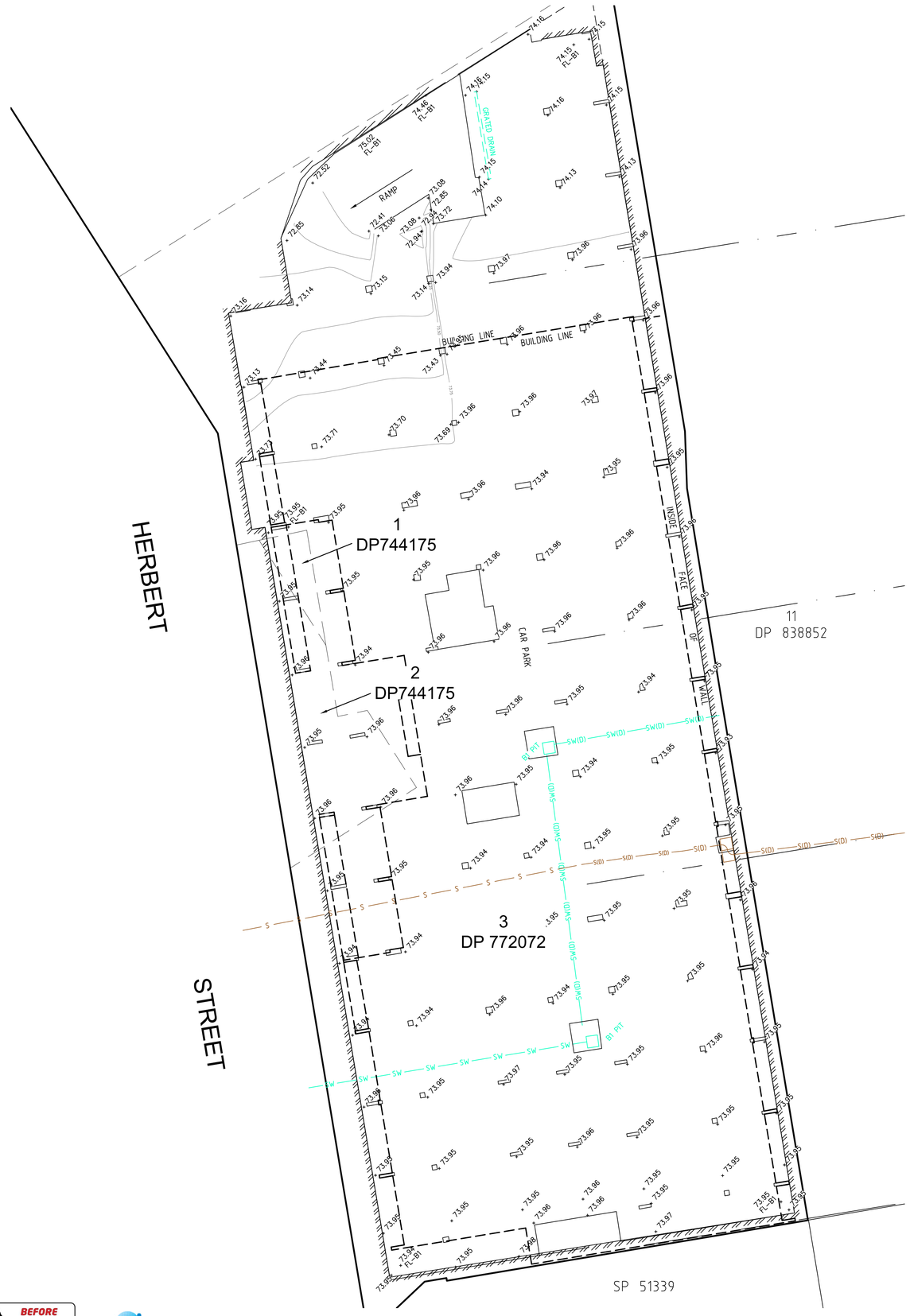
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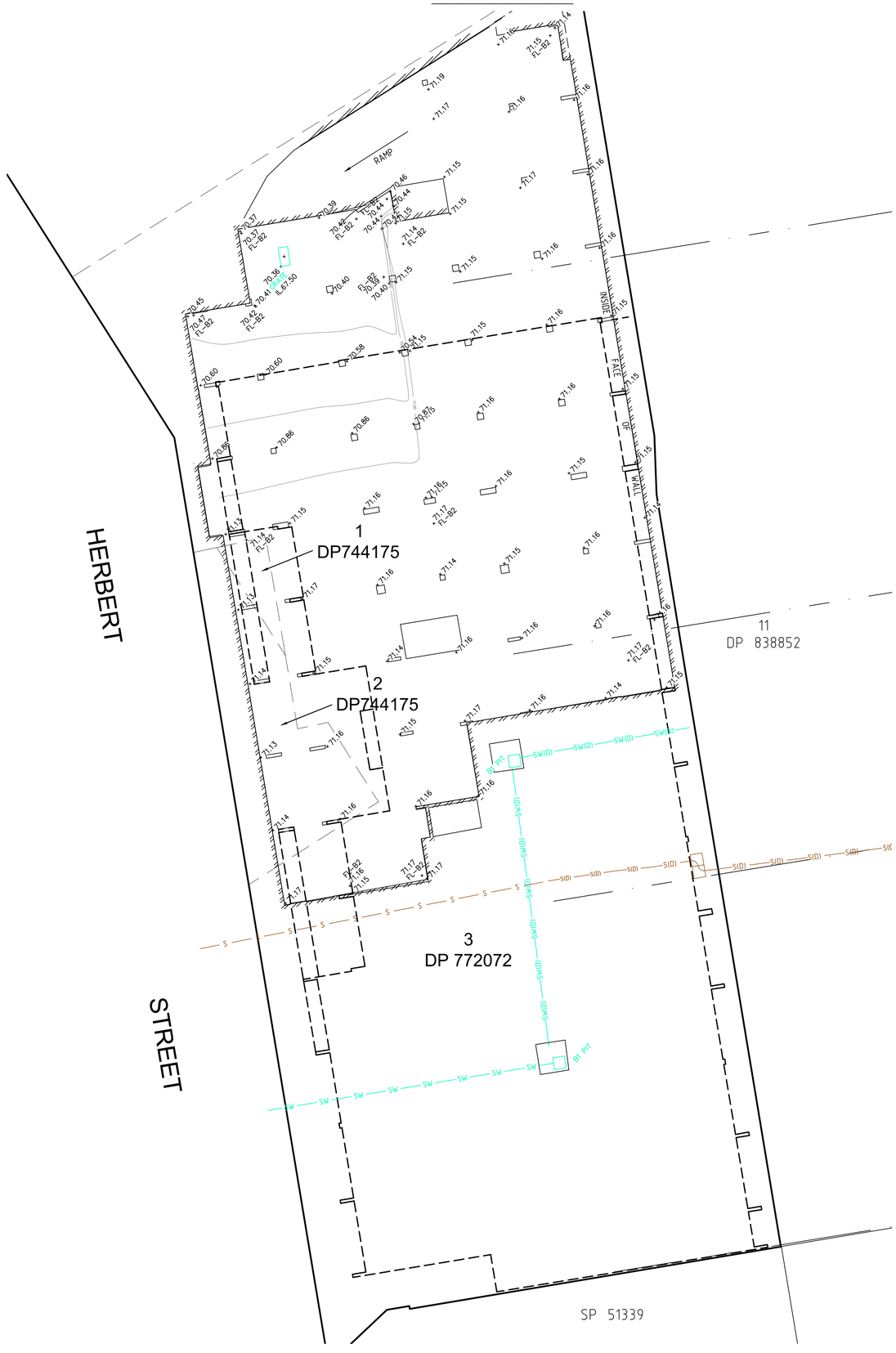
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LGA WILLOUGHBY

reference number 52609 001DT
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date of survey 08/08/2025
SHEET 9 OF 11

BASEMENT 1



BASEMENT 2



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GDA2020

0 8 16 24 32 40

SCALE 1: 400 @ A1

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G	00/00/00	-	00
F	00/00/00	-	00
E	00/00/00	-	00

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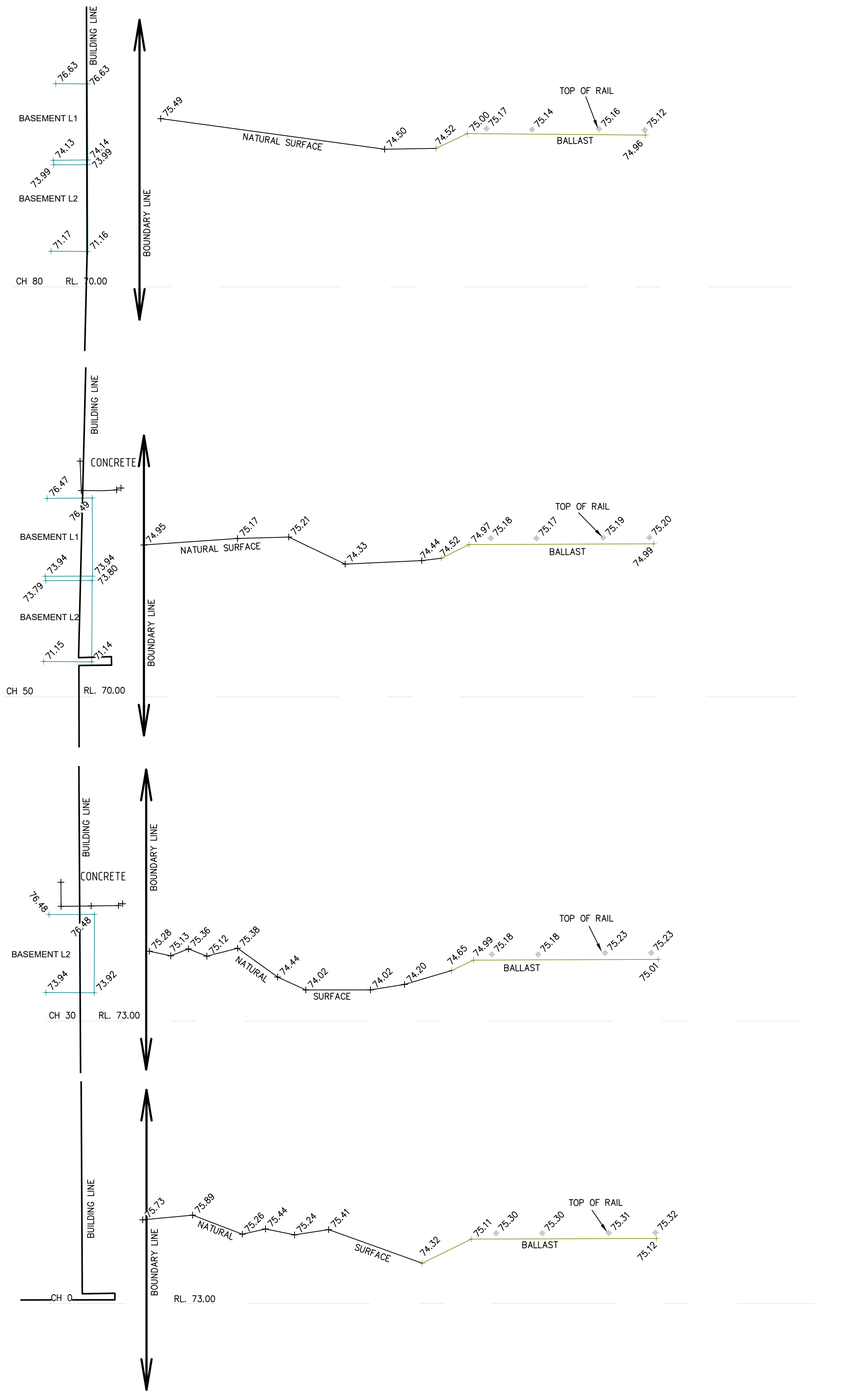
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datum AHD
site Area 5927 m²
LGA WILLOUGHBY

reference number 52609 001DT
scale 1:200 @A1
date of survey 08/08/2025
SHEET 10 OF 11

RAIL CROSS SECTIONS





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GDA2020

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SCALE 1: 400 @ A1

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F	00/00/00	-	00
E	00/00/00	-	00

Revision	Date	Description	Reference
D	00/00/00	-	00
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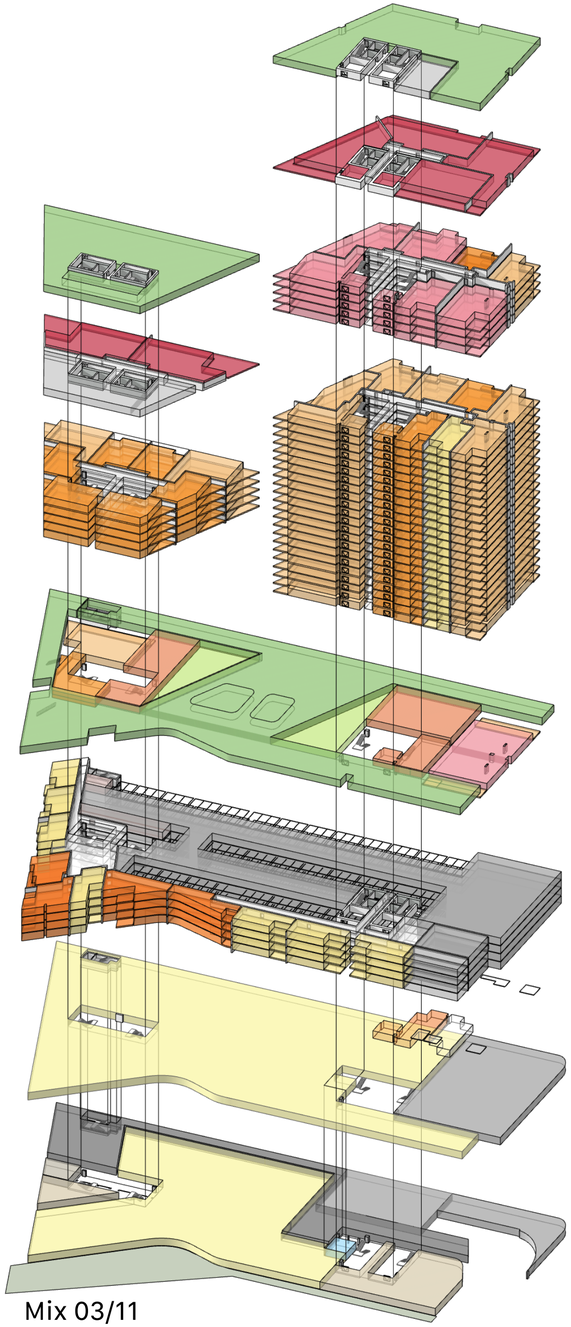
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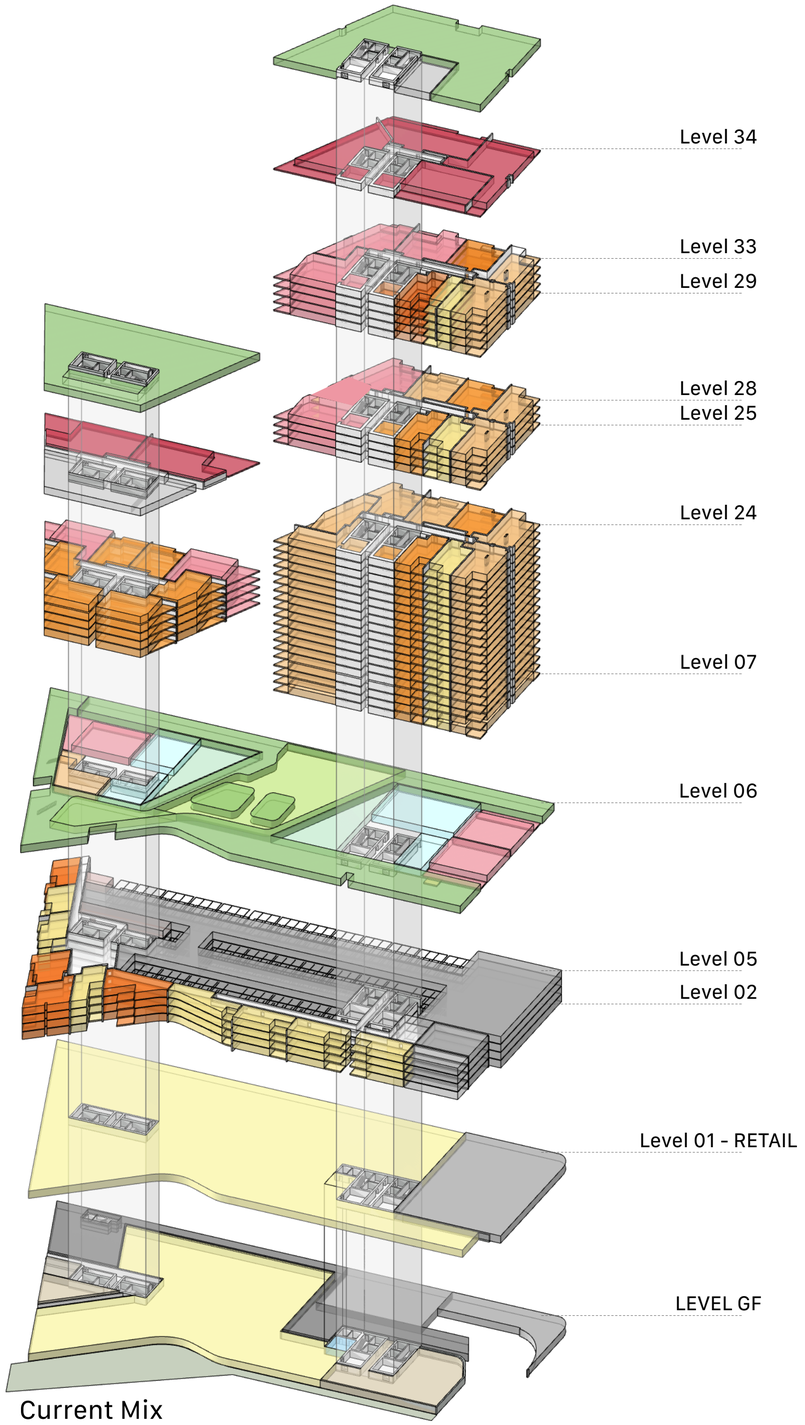
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LGA WILLOUGHBY

reference number 52609 001DT
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date of survey 08/08/2025
SHEET 11 OF 11

Mix Axo View

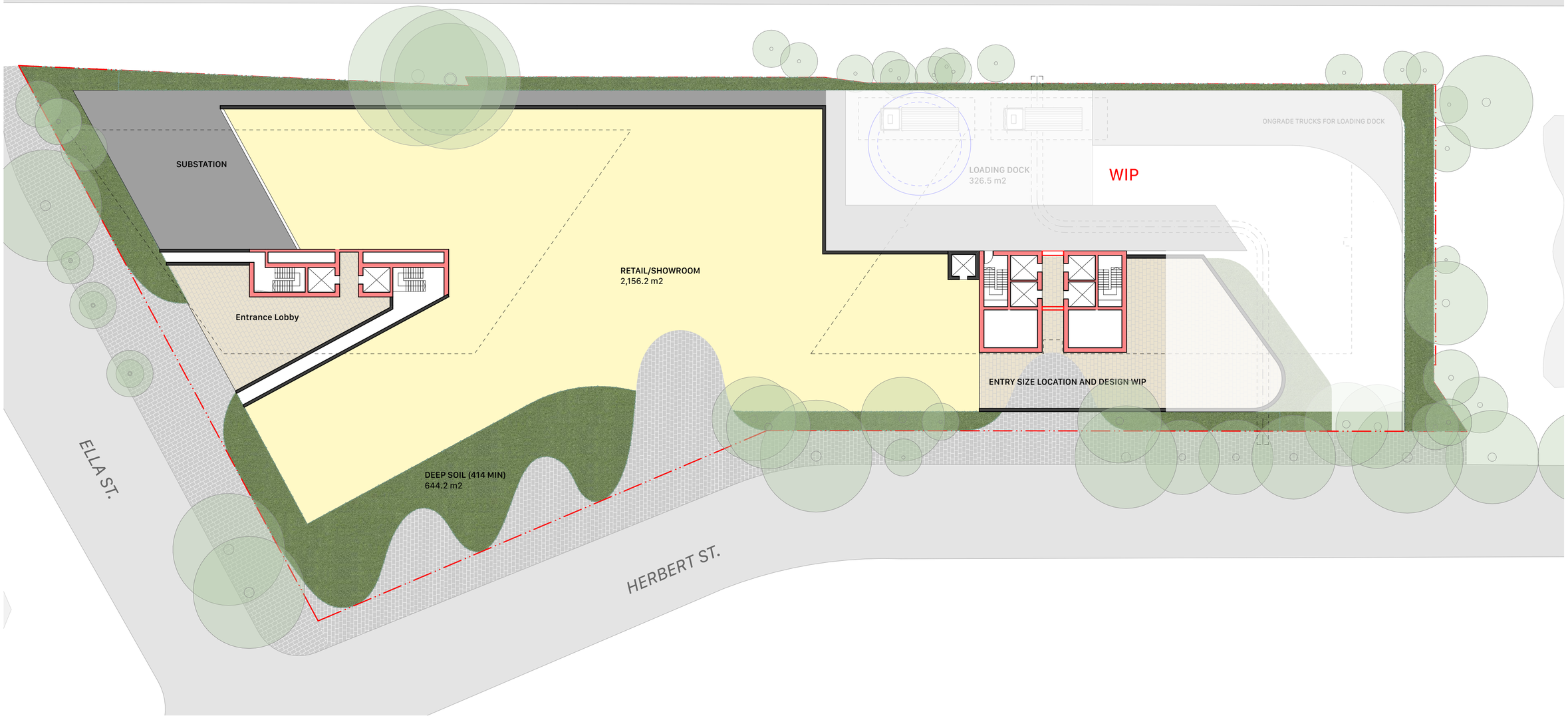


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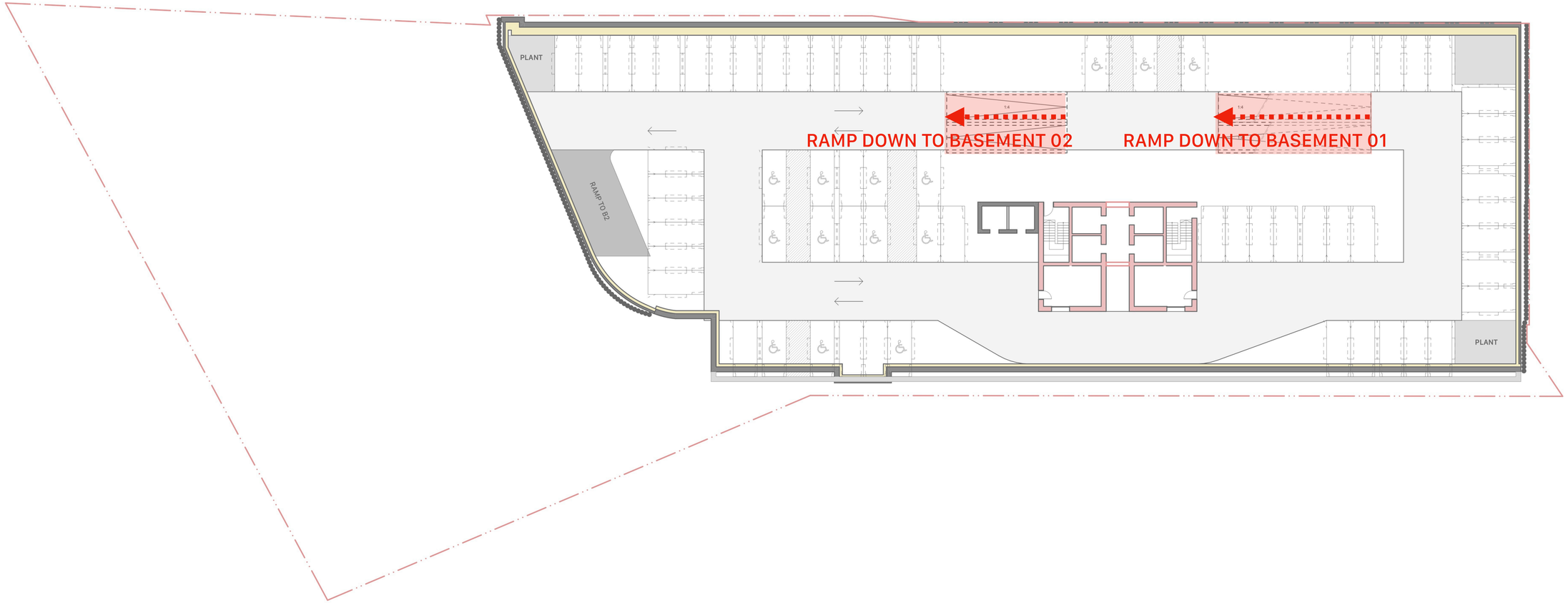
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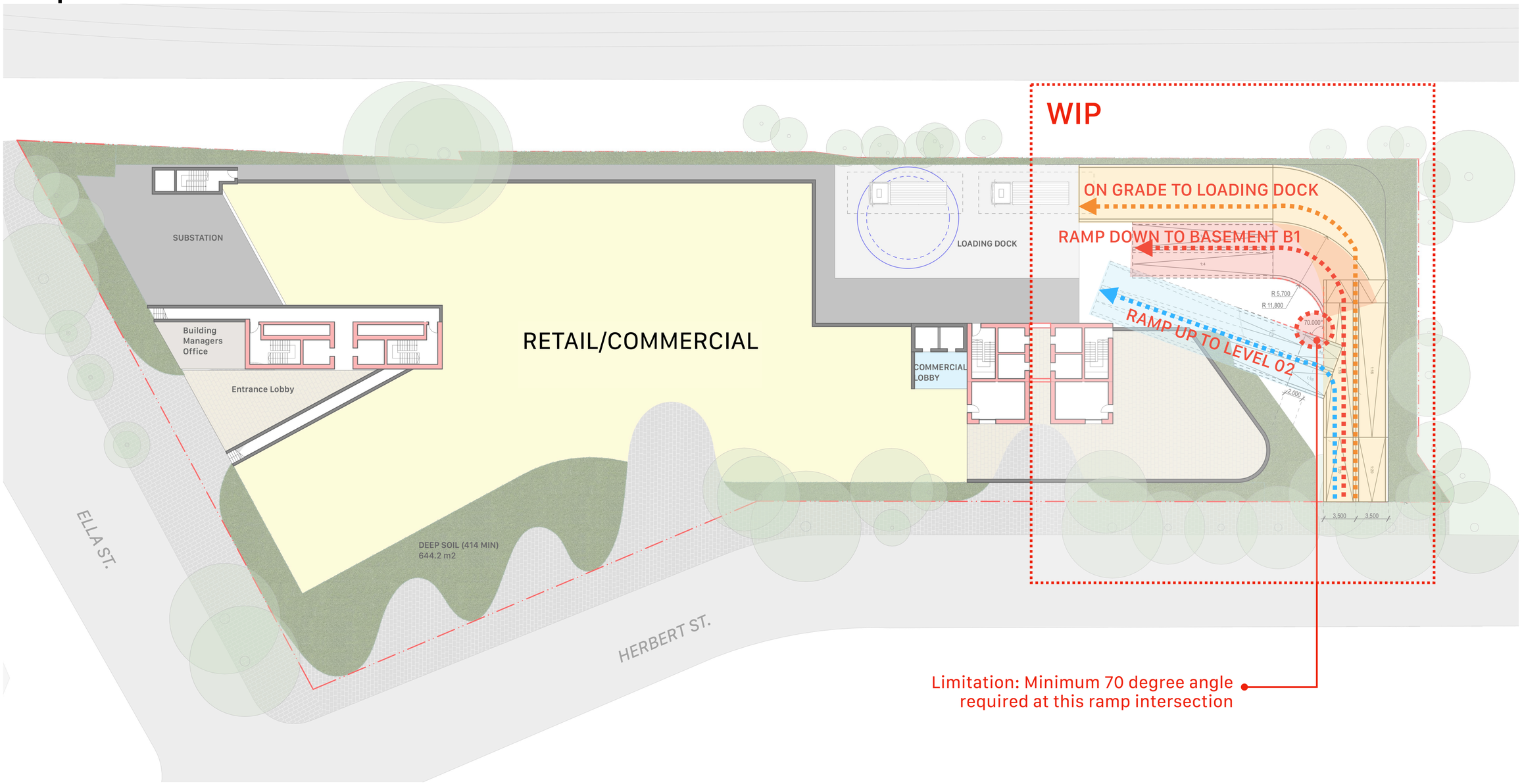
Proposed Vehicular Access - Basement B2



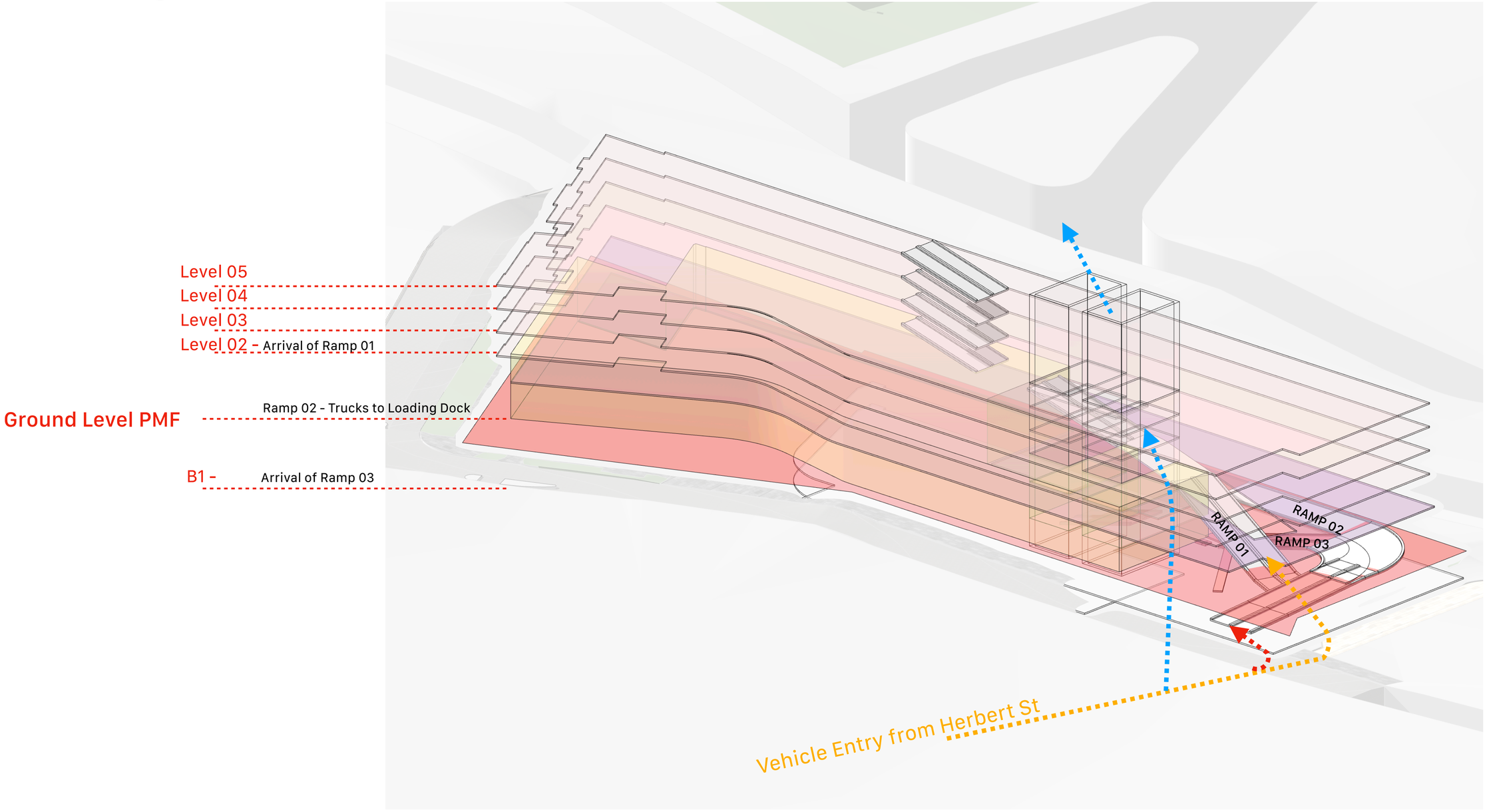
Proposed Vehicular Access - Basement B1



Proposed Vehicular Access - Ground Floor



Ramp Entrance Diagram



Appendix B

About This Report

About this Report

November 2023

Introduction

These notes have been provided to amplify DP's report in regard to classification methods, field procedures and the comments section. Not all are necessarily relevant to all reports.

DP's reports are based on information gained from limited subsurface excavations and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

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Borehole and Test Pit Logs

The borehole and test pit logs presented in this report are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable or possible to justify on economic grounds. In any case the boreholes and test pits represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes or pits, the frequency of sampling, and the possibility of other than 'straight line' variations between the test locations.

Groundwater

Where groundwater levels are measured in boreholes there are several potential problems, namely:

- In low permeability soils groundwater may enter the hole very slowly or perhaps not at all during the time the hole is left open;
- A localised, perched water table may lead to an erroneous indication of the true water table;
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at the time of construction as are indicated in the report; and
- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water measurements are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

Reports

The report has been prepared by qualified personnel, is based on the information obtained from field and laboratory testing, and has been undertaken to current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal, the information and interpretation may not be relevant if the design proposal is changed. If this happens, DP will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface conditions, discussion of geotechnical and environmental aspects, and recommendations or suggestions for design and construction. However, DP cannot always anticipate or assume responsibility for:

- Unexpected variations in ground conditions. The potential for this will depend partly on borehole or pit spacing and sampling frequency;
- Changes in policy or interpretations of policy by statutory authorities; or
- The actions of contractors responding to commercial pressures.

If these occur, DP will be pleased to assist with investigations or advice to resolve the matter.

continued next page

About this Report

Site Anomalies

In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, DP requests that it be immediately notified. Most problems are much more readily resolved when conditions are exposed rather than at some later stage, well after the event.

Information for Contractual Purposes

Where information obtained from this report is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. DP would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

Site Inspection

The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.

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Appendix C

Site History:

C1: Historical Aerial Imagery

C2: Historical Title Deeds

C3: SafeWork NSW Results

C4: Section 10.7 Planning Certificate

C5: Business Directory Records



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

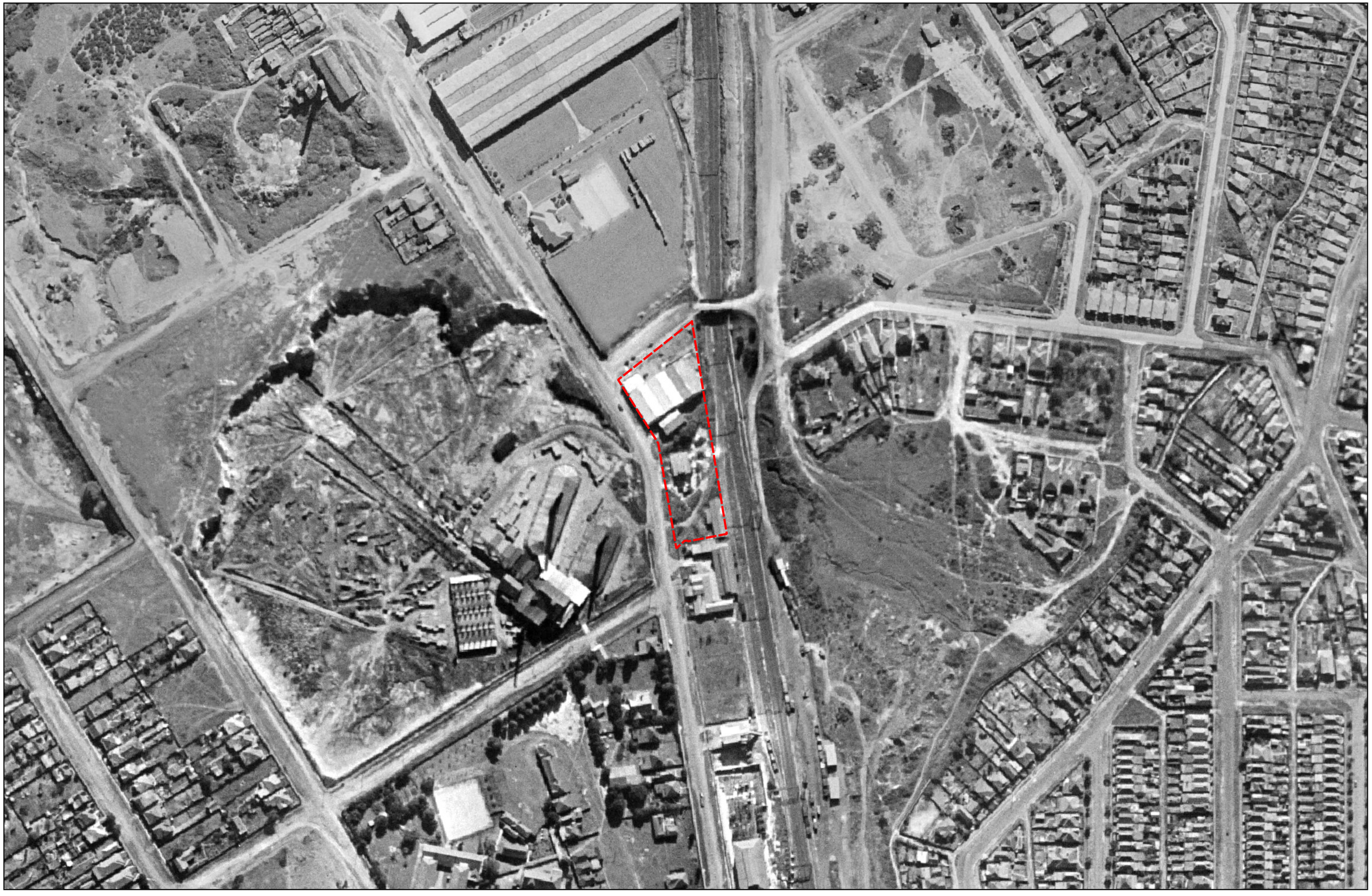
1930 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **A**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

1943 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **B**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

N

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

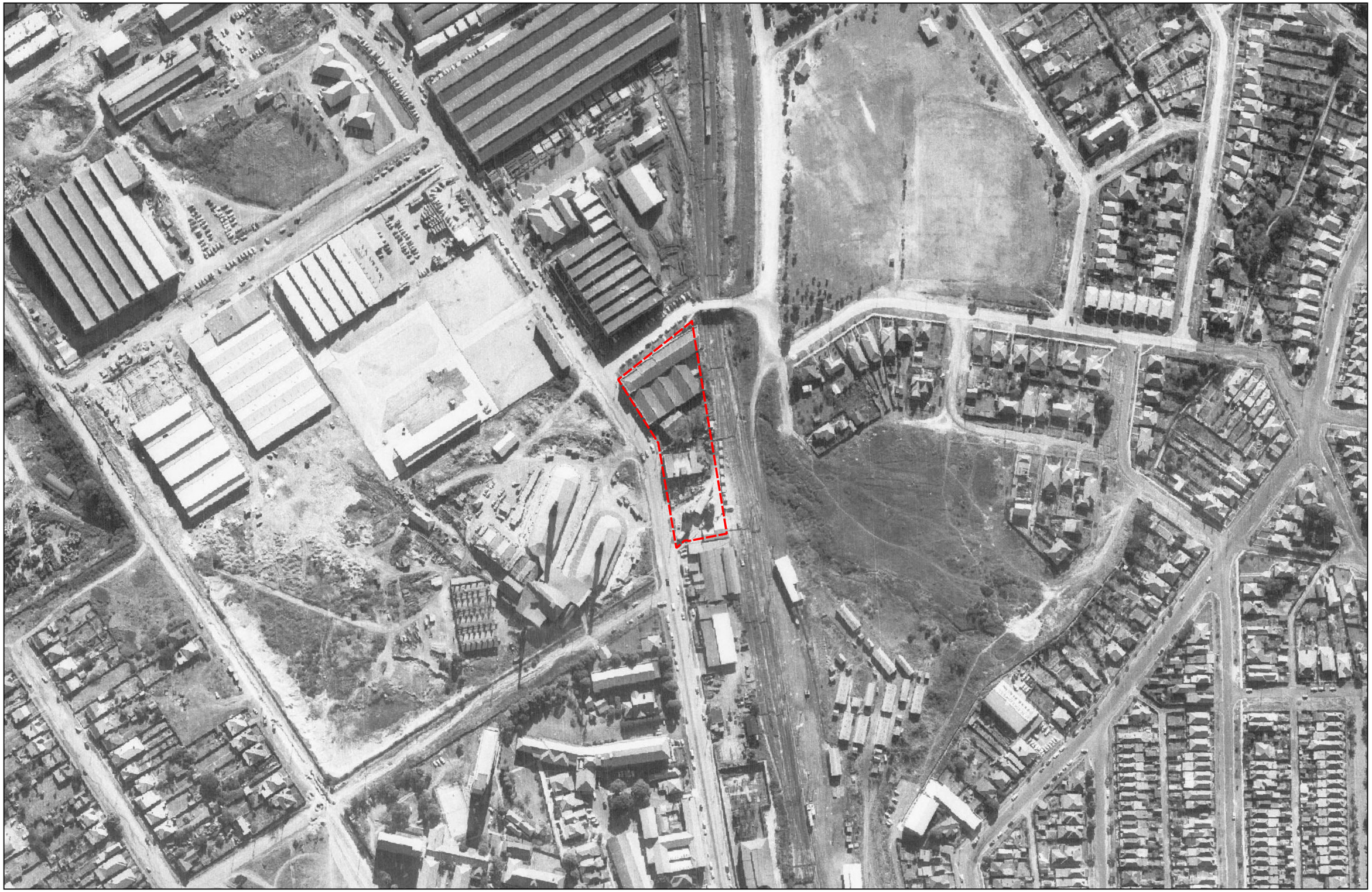
1951 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **C**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

1961 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **D**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m
1:2500 @ A3

N

Douglas PARTNERS
OFFICE: SYDNEY
96-98 Hermitage Rd, West Ryde NSW 2114
(02)9809 0666

CLIENT:
Aqualand St Leonard Development Pty Ltd

NOTE:
1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:
Proposed Mixed-Use Development
PROJECT ADRESS:
33 & 37 Herbert Street St Leonards

DRAWING TITLE:
1971 Historical Aerial Imagery

PROJECT NO: **237003.00**
DRAWING NO: **E**
REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

1978 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **F**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

1986 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **G**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

1994 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **H**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

2004 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **I**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

2014 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **J**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz



REV	DESCRIPTION/COMMENT	DATE	DRAWN BY
0	Initial Issue	21.01.2026	JJH

SCALE: 0 7.5 15 22.5 30 m

1:2500 @ A3

N

Douglas PARTNERS

OFFICE: SYDNEY

96-98 Hermitage Rd, West Ryde NSW 2114

(02)9809 0666

CLIENT:

Aqualand St Leonard Development Pty Ltd

NOTE:

1: Basemap from NSW Spatial Services

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 56

PROJECT NAME:

Proposed Mixed-Use Development

PROJECT ADRESS:

33 & 37 Herbert Street St Leonards

DRAWING TITLE:

2024 Historical Aerial Imagery

PROJECT NO: **237003.00**

DRAWING NO: **K**

REVISION: **0**

P:\237003.00 - ST LEONARDS, 33 & 37 Herbert Street\7.0 Drawings\7.3 QGIS\237003.00.qgz

ABN: 36 092 724 251

Report

Address: - 33 & 37 Herbert Street, St Leonards

Description: - Lot 1 D.P. 115615, Lots 1 & 2 D.P. 744175 & Lot 3 D.P. 772072

As regards Lot 1 D.P. 115615

Ownership History:			
Date of Acquisition	**Term Held**	**Registered Proprietor(s) & Occupations where available**	**Reference to Title at Acquisition and sale**
21.07.1909	1909 to 1927	The New South Wales Fresh Food and Ice Company Limited	Volume 1986 Folio 52
18.01.1927	1927 to 1940	The North Sydney Brick and Title Company Limited Now The North Sydney Brick and Title Company Pty Limited	Volume 1986 Folio 52
18.07.1940	1940 to 1948	John Harvey Bryant (Dairy Engineer)	Volume 1986 Folio 52
21.06.1948	1948 to 1981	Bryant Bros Pty Limited Now Bell Bryant Pty ltd	Volume 1986 Folio 52
02.10.1981	1981 to 1995	Nephard Pty Limited	Volume 1986 Folio 52 Now 1/115615
11.01.1995	1995 to 2016	Reece Pty Limited	1/115615
28.07.2016	2016 to 2016	37 Herbert Pty Ltd	1/115615
30.09.2016	2016 to date	# Aqualand St Leonard Development 2 Pty Ltd	1/115615

Denotes current registered proprietor.

Easements: - NIL

Leases, excluding premises:			
Date	**Lease instrument**	**Lessees**	**Term**
28.07.2016	AK577185	Expired – not investigated.	

Continued over.

As regards Lot 1 D.P. 744175

Ownership History:			
Date of Acquisition	**Term Held**	**Registered Proprietor(s) & Occupations where available**	**Reference to Title at Acquisition and sale**
1889	1889 to 1963	Railway Commissioners of New South Wales Intervening name changes, now Commissioner for Railways	Gazettes
16.12.1963	1963 to 1969	Victor Moss Smith (Merhcant) George Eric Roden (Merchant) Also known as George Eric Rodan	Book 2693 No. 799
19.10.1969	1969 to 1987	George Eric Roden (Merchant) Also known as George Eric Rodan Selma Barbara Rodan	Book 2952 No. 848
18.05.1987	1987 to 1998	Lucas & Tait (Sales) Pty Limited	Book 3704 No. 5 Now 1/744175
13.11.1998	1998 to 2000	Perpetual Trustee Company Limited Now Stockland Property Management Limited	1/744175
31.08.2000	2000 to 2004	Trust Company of Australia Limited	1/744175
06.09.2004	2004 to 2014	AMP Capital Investors Limited Now AMP Capital Funds Management Limited	1/744175
25.06.2014	2014 to 2015	The Trust Company (Australia) Limited	1/744175
23.07.2015	2015 to date	# Aqualand St Leonard Development 2 Pty Ltd	1/744175

Denotes current registered proprietor.

Easements: - NIL

Leases, excluding premises: -

- Various leases were found from 13th June 1990 that have since expired or have been surrendered – not investigated.

Continued over.

As regards Lot 2 D.P. 744175

Ownership History:			
Date of Acquisition	**Term Held**	**Registered Proprietor(s) & Occupations where available**	**Reference to Title at Acquisition and sale**
20.12.1926	1926 to 1936	The North Sydney Brick and Title Company Limited Now The North Sydney Brick and Title Company Pty Limited	Book 1457 No. 47
13.12.1936	1936 to 1945	Lime Products (North) Limited	Book 1772 No. 262
17.05.1945	1945 to 1953	John Clark Reynolds (Master Builder)	Book 1967 No. 690
09.04.1953	1953 to 1963	Victor Moss Smith (Merchant) George Eric Roden (Merchant) Also known as George Eric Rodan	Book 2250 No. 976
19.10.1969	1969 to 1987	George Eric Roden (Merchant) Also known as George Eric Rodan Selma Barbara Rodan	Book 2952 No. 848
18.05.1987	1987 to 1998	Lucas & Tait (Sales) Pty Limited	Book 3704 No. 5 Now 2/744175
13.11.1998	1998 to 2000	Perpetual Trustee Company Limited Now Stockland Property Management Limited	2/744175
31.08.2000	2000 to 2004	Trust Company of Australia Limited	2/744175
06.09.2004	2004 to 2014	AMP Capital Investors Limited Now AMP Capital Funds Management Limited	2/744175
25.06.2014	2014 to 2015	The Trust Company (Australia) Limited	2/744175
23.07.2015	2015 to date	# Aqualand St Leonard Development 2 Pty Ltd	2/744175

Denotes current registered proprietor.

Easements: - NIL

Leases, excluding premises: -

- Various leases were found from 13th June 1990 that have since expired or have been surrendered – not investigated.

Continued over.

As regards Lot 3 D.P. 772072

Ownership History: As regards the part shown tinted yellow on the attached copy of D.P. 772072			
Date of Acquisition	**Term Held**	**Registered Proprietor(s) & Occupations where available**	**Reference to Title at Acquisition and sale**
09.05.1894	1894 to 1922	Minister for Public Works	Volume 1126 Folio 206
19.04.1922	1922 to 1994	Railway Commissioners for New South Wales Intervening name changes, now State Rail Authority of New South Wales	Volume 1126 Folio 206 Then Volume 15492 Folio 157 Now 3/772072

Ownership History: As regards the part shown tinted grey on the attached copy of D.P. 772072			
Date of Acquisition	**Term Held**	**Registered Proprietor(s) & Occupations where available**	**Reference to Title at Acquisition and sale**
1889	1889 to 1994	Railway Commissioners of New South Wales Intervening name changes, now State Rail Authority of New South Wales	Gazettes Then Volume 11509 Folio 11 Now 3/772072

Ownership History: As regards the two parts shown marked "A" and "B" on the attached copy of D.P. 772072			
Date of Acquisition	**Term Held**	**Registered Proprietor(s) & Occupations where available**	**Reference to Title at Acquisition and sale**
		The title for these parts prior to D.P. 772072 is complex and has not been investigated.	
	To 1994	State Rail Authority of New South Wales	3/772072

Ownership History: Continued as regards the whole of Lot 3 D.P. 772072			
Date of Acquisition	**Term Held**	**Registered Proprietor(s) & Occupations where available**	**Reference to Title at Acquisition and sale**
29.06.1994	1994 to 1998	Lucas & Tait (Sales) Pty Limited	3/772072
13.11.1998	1998 to 2000	Perpetual Trustee Company Limited Now Stockland Property Management Limited	3/772072
31.08.2000	2000 to 2004	Trust Company of Australia Limited	3/772072
06.09.2004	2004 to 2014	AMP Capital Investors Limited Now AMP Capital Funds Management Limited	3/772072
25.06.2014	2014 to 2015	The Trust Company (Australia) Limited	3/772072
23.07.2015	2015 to date	# Aqualand St Leonard Development 2 Pty Ltd	3/772072

Denotes current registered proprietor.

Easements: - NIL

Continued over.

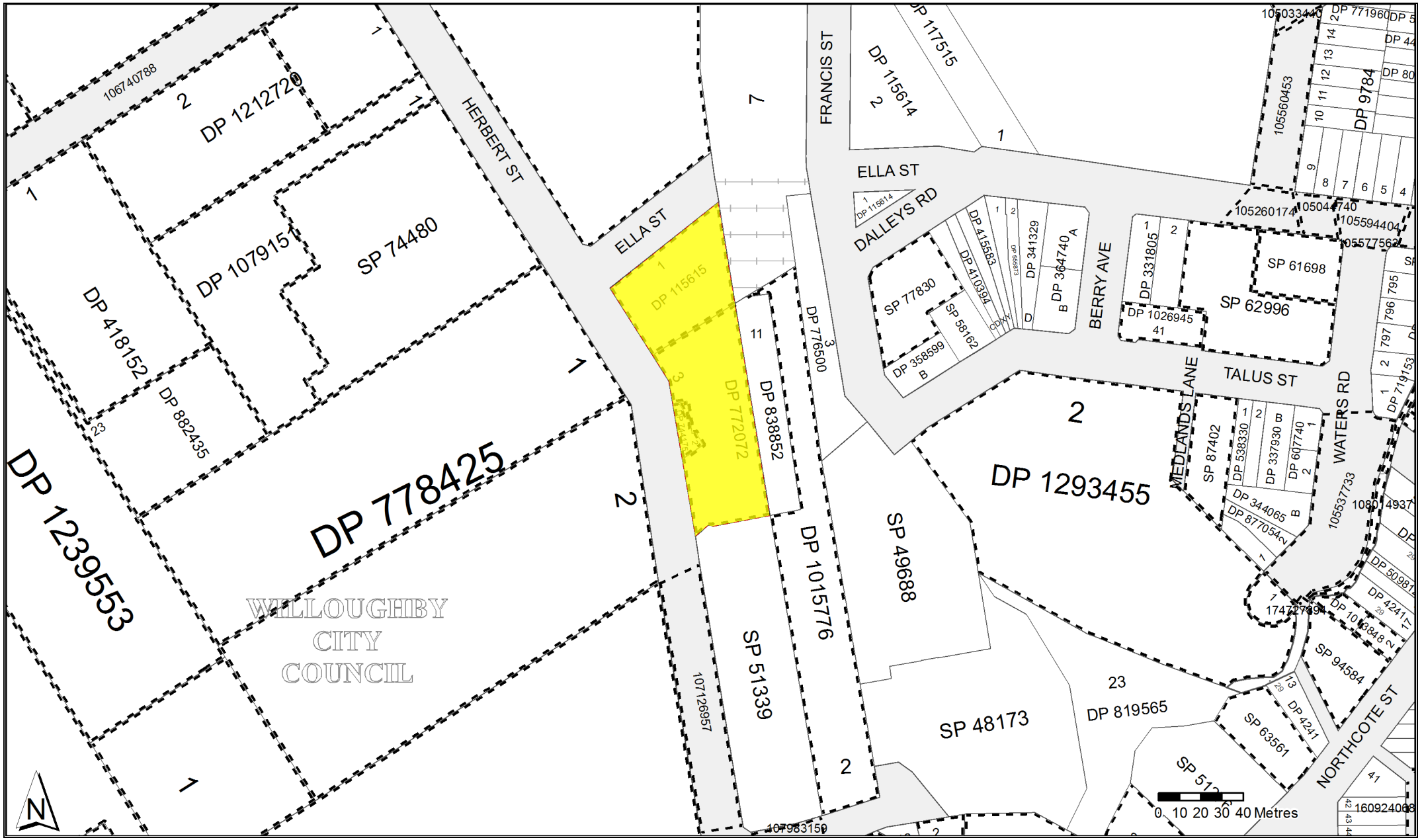
Continued as regards Lot 3 D.P. 772072

Leases, excluding premises:			
Date	**Lease instrument**	**Lessees**	**Term**
19.04.1922	A797555	Metropolitan Meat Industry Board	Expired 21st July 1971 (Affecting part tinted yellow)
As regards the land tinted yellow on the attached copy of D.P. 772072. Various leases were found from 2nd June 1977 affecting that have since expired or have been surrendered – not investigated.			
As regards the land tinted grey on the attached copy of D.P. 772072. Various leases were found from 21st July 1971 affecting that have since expired or have been surrendered – not investigated.			
As regards the whole of Lot 3 D.P. 772072 Various leases and sub leases were found from 15th June 1998 that have since expired or have been surrendered – not investigated. See Current Title for current leases.			

Yours Sincerely,
Mark Groll
29 January 2026

Cadastral Records Enquiry Report : Lot 3 DP 772072

Locality : ST LEONARDS
Parish : WILLOUGHBY
LGA : WILLOUGHBY
County : CUMBERLAND



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

InfoTrack

Req:R481009 /Doc:DP 0115615 P /Rev:23-Dec-1992 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 07:53 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

RG 2/18

PLAN OF PART OF PORTION 319 BEING PART OF THE LAND IN CERTIFICATE OF TITLE . VOL. 1986 FOL. 52

Mun./Shire City : WILLOUGHBY

Locality: NAREMBURN

Parish: WILLOUGHBY

County: CUMBERLAND

Reduction Ratio 1: 800

Lengths are in metres

D.P. 115615

Registered: C. McB. 14-2-1984

C.A.: ———

Title System: TORRENS

Purpose: DEPARTMENTAL

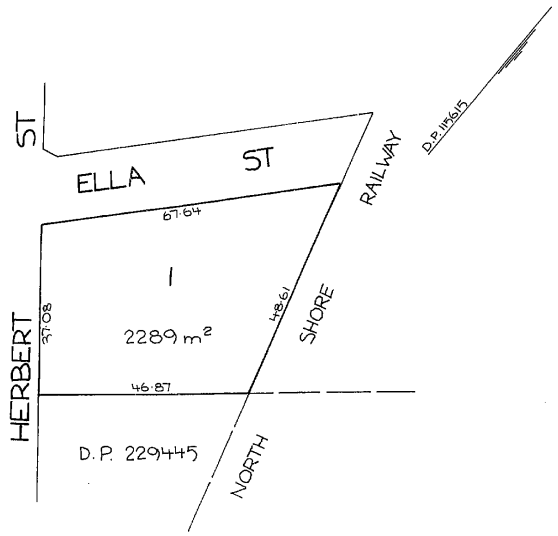
Ref. Map: U0952-624

Last Plan: D.P. 57019

N 0 0 1 1 D 1 1 B

Prepared in Registrar General's Office 14·2·84

Exmd.:



10 | 50 | 100 Table of mm 140 | 180 | 220

S.O. 2478 D. West, Government Printer

I, Bruce Richard Davies, Under Secretary for Lands and Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this day.

16th February, 1984

Req:R481011 /Doc:DP 0744175 P /Rev:28-Jun-1992 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 07:53 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

LT 2/55

PLAN OF THE LAND COMPRISED IN DEED

BK. 3704 **NO.** 5

Mun / ~~Shire~~ ~~City~~ WILLOUGHBY Locality: ST LEONARDS

Parish: WILLOUGHBY County: CUMBERLAND

Reduction Ratio 1: 200 Lengths are in metres.

D. P. 744175

Registered: 29.7.1987

Title System: OLD SYSTEM

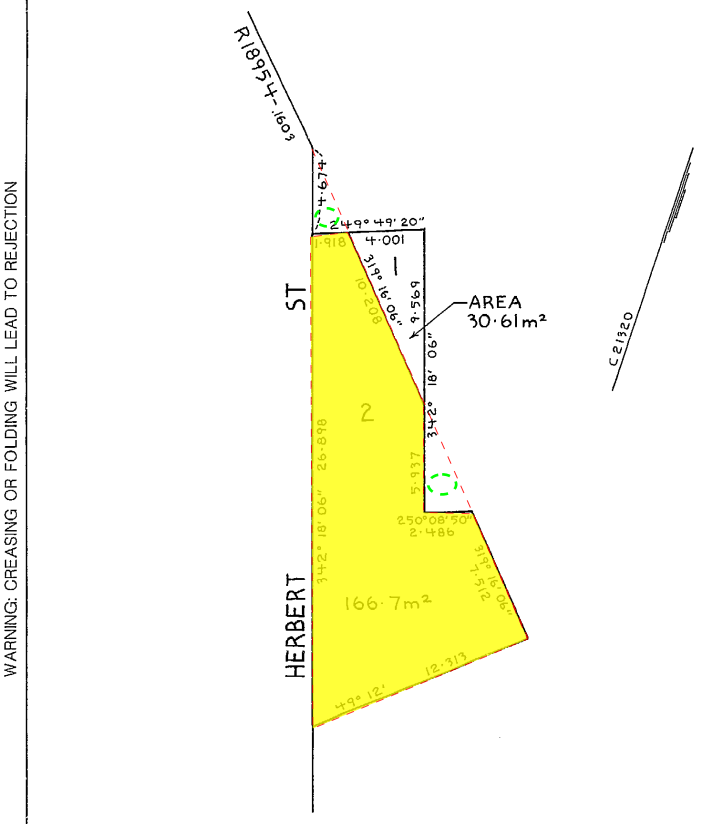
Purpose: LIMITED FOLIO CREATION

Ref Map: U0952-624 #

Last Plan: D. P. 217525

NOODID

THIS PLAN WAS PREPARED SOLELY TO IDENTIFY THE LAND IN THE ABOVE DEED.
THE BOUNDARIES HAVE NOT BEEN INVESTIGATED BY THE REGISTRAR GENERAL AND
IT IS NOT A CURRENT PLAN IN TERMS OF SEC. 327AA LOCAL GOVERNMENT ACT, 1919.



10 | 50 | 100 Table of mm 140 | 180 | 220

Plan Drawing only to appear in this space

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

10 | 20 | 30 | 40 | 50 | 60 | 70 Table of mm 110 | 120 | 130 | 140

This negative is a photograph made as a permanent record of a document in the custody of the Registrar General, this day, 30th July, 1987

Plan Drawing only to appear in this space

InfoTrack

PLAN FORM 2

Plan Drawing only to appear in this space

*OFFICE USE ONLY

DP772072

Registered: 7-1-1988

C.A.:

Title System: TORRENS AND OLD SYSTEM

Purpose: SUBDIVISION

Ref. Map: U0952-642 & 624

Last Plan: D.Ps 229445, 217525 & 545809

PLAN OF SUBDIVISION OF THE LAND IN LOTS 1,4,5,6,7,8,9 & 10 IN D.P. 229445, ~~D.P. 217525~~ AND LOT 1 D.P. 545809, AND LOTS 4 & 5 IN D.P. 217525

Reduction Ratio 1:1250
Lengths are in metres.

Mun./~~Shire~~ ~~City~~: WILLOUGHBY

Locality: ST. LEONARDS

Parish: WILLOUGHBY

County: CUMBERLAND

This is sheet 1 of my plan in ... sheets. (Delete if inapplicable).

I, RICHARD GEORGE LING of S.R.A. of N.S.W. - WAY & WORKS BR., a surveyor registered under the Surveyors Act, 1929, as amended, hereby certify that the survey represented in this plan EXCEPT AS REGARDS LOT 6 is accurate and has been made *(1) by me (2) ~~under my immediate supervision~~ in accordance with the Survey Practice Regulations, 1933, and was completed on † 11 NOV. 1987

Signature: Richard Ling

Surveyor registered under Surveyors Act, 1929, as amended. Datum Line of Azimuth: A - B. *Strike out either (1) or (2). †Insert date of survey.

Panel for use only for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements or restrictions as to user.

N006AIE

Signatures and seals only.

Council Clerk's Certificate

I hereby certify that –

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans), and

*(b) the requirements of section 36B of the †Metropolitan Water, Sewerage and Drainage Act, 1924, as amended. †Hunter District Water, Sewerage, and Drainage Act, 1938, as amended

have been complied with by the applicant in relation to the proposed ... (Insert "new road", "subdivision" or "consolidated lot") set out herein

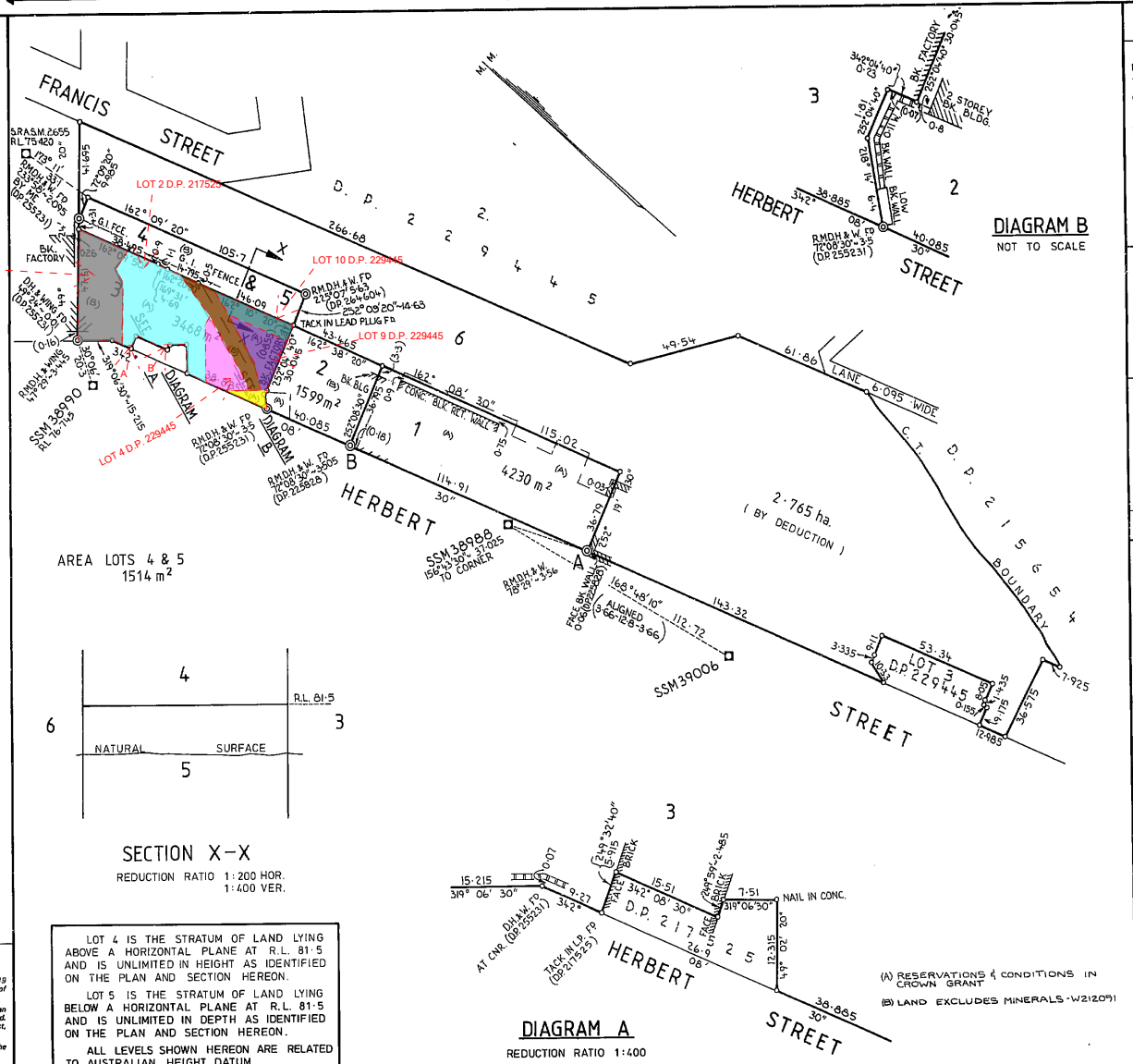
Subdivision No. ...

Date ...

(Signature) ... Council Clerk

*This part of certificate to be deleted where the application is only for a consolidated lot or the opening of a new road or where the land to be subdivided is wholly outside the areas of operations of the Metropolitan Water Sewerage and Drainage Board and the Hunter District Water Board.

†Delete if inapplicable.



SECTION X–X
REDUCTION RATIO 1:200 HOR.
1:400 VER.

LOT 4 IS THE STRATUM OF LAND LYING ABOVE A HORIZONTAL PLANE AT R.L. 81·5 AND IS UNLIMITED IN HEIGHT AS IDENTIFIED ON THE PLAN AND SECTION HEREON.

LOT 5 IS THE STRATUM OF LAND LYING BELOW A HORIZONTAL PLANE AT R.L. 81·5 AND IS UNLIMITED IN DEPTH AS IDENTIFIED ON THE PLAN AND SECTION HEREON.

ALL LEVELS SHOWN HEREON ARE RELATED TO AUSTRALIAN HEIGHT DATUM.

DIAGRAM A
REDUCTION RATIO 1:400

(A) RESERVATIONS & CONDITIONS IN CROWN GRANT

(B) LAND EXCLUDES MINERALS - W212091

10 20 30 40 50 60 70 Table of mm 110 120 130 140 150 160 170 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

This negative is a photograph made as a permanent record of a document in the custody of the Registrar General this day. 8th January, 1988

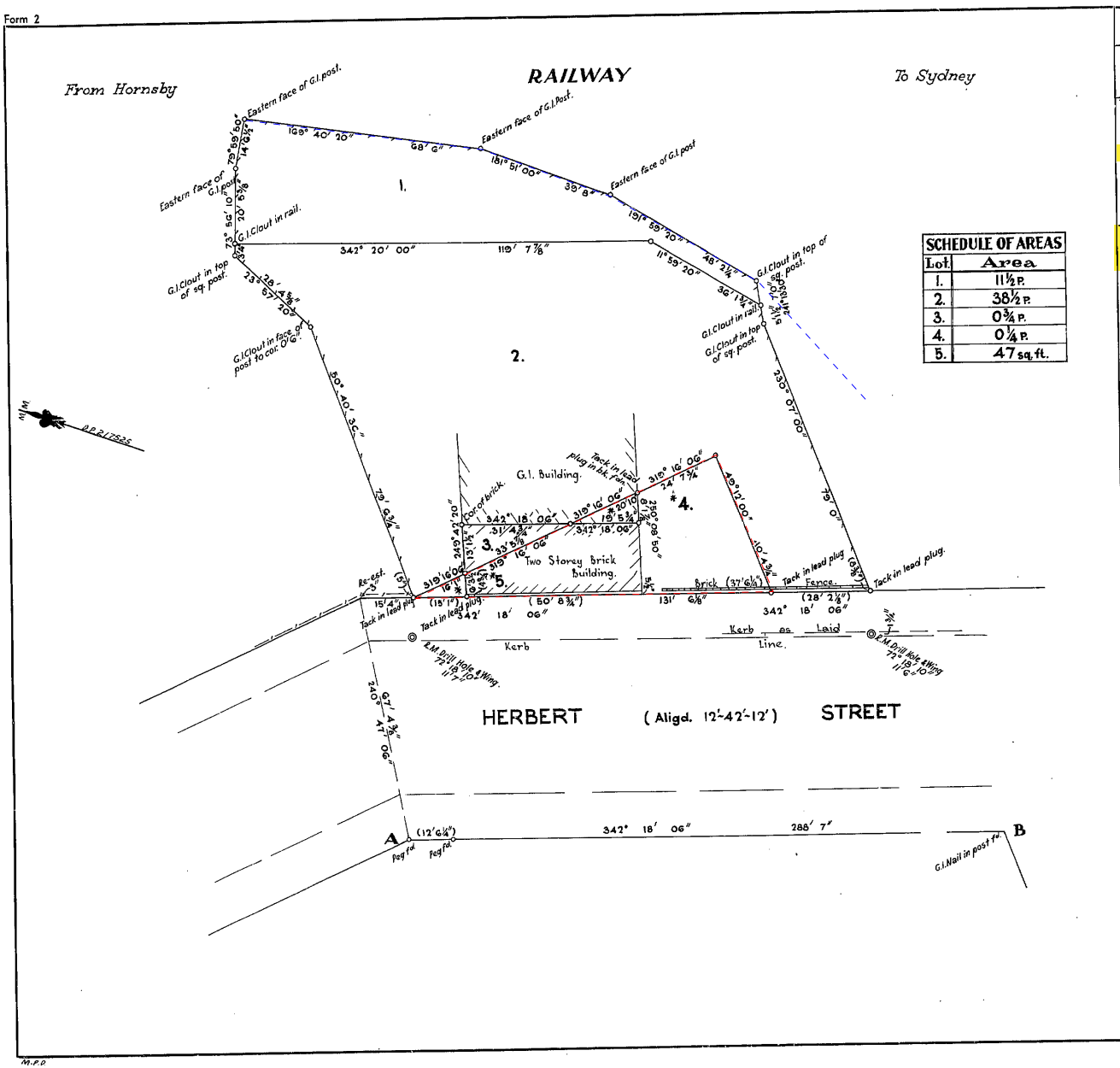
10 20 30 40 50 60 70 Table of mm 110 120 130 140

FILE 14-7141
SURVEYOR'S REFERENCE F/SHEETS M1587 197-477

Req:R481010 /Doc:DP 0772072 P /Rev:26-Oct-1992 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 07:53 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

InfoTrack
Req:R481045 /Doc:DP 0217525 P /Rev:11-Sep-1992 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:15 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

Form 2



SCHEDULE OF AREAS	
Lot	Area
1.	11½ P.
2.	38½ P.
3.	0¾ P.
4.	0¼ P.
5.	47 sq. ft.

DP217525

Registered: 13-8-63

~~Crown~~

Title System: Crown Land

Purpose: Lease

Ref. Map: Willoughby Sh 18"

Last Plan do.

PLAN OF PART OF FORMER CROWN LAND ACQUIRED FOR RAILWAY PURPOSES.

Scale: 20 Feet to an inch

Mun./~~Shire~~ City: WILLOUGHBY

Locality: St. LEONARDS

Parish: Willoughby

County: Cumberland

I, Mervyn Thomas Mildenhall

of THE DEPARTMENT OF RAILWAYS N.S.W.

a surveyor registered under the Surveyors Act, 1929, as amended, hereby certify that the survey represented in this plan is accurate and has been made* (1) by me (2) ~~under my immediate supervision~~ in accordance with the Survey Practice Regulations, 1933, and was completed on † 25-1-63

Signature: M. Mildenhall

Surveyor registered under Surveyors Act, 1929, as amended.

Datum Line of Azimuth 'AB'.

Statements of Proposed Easements.

Approved by the Council and Certified in accordance with the provisions of Section 327 of the Local Government Act, 1919.

Date .....

Subdivision No. .....

Council Clerk

* Strike out either (1) or (2). † Insert date of survey.

OFFICE USE ONLY

CONVERSION TABLE ADDED BY REGISTRAR GENERAL'S DEPARTMENT

DP 217525

FEET	INCHES	METRES
-	1 3/4	0.044
-	3	0.076
-	4 3/4	0.121
-	5	0.127
-	5 1/2	0.140
-	6	0.152
-	8 3/8	0.213
1	6 3/8	0.467
2	-	0.610
3	1 1/4	0.946
5	1 1/2	1.562
5	4	1.626
6	3 1/2	1.918
7	-	2.134
8	1 7/8	2.486
11	6	3.505
11	7	3.531
12	-	3.658
12	6 1/4	3.816
13	1 1/2	4.001
14	6 1/2	4.432
15	1	4.597
15	4	4.674
16	1	4.902
19	5 3/4	5.937
19	7 7/8	5.991
20	4 3/8	6.207
20	5 3/8	6.233
20	10	6.350
24	7 3/4	7.512
28	2 1/8	8.588
28	4 5/8	8.652
31	4 3/4	9.569
33	4 5/8	10.176
33	5 7/8	10.208
36	1 3/4	11.017
37	6 1/4	11.436
39	8	12.090
40	4 3/4	12.313
42	-	12.802
48	2 1/4	14.688
50	8 3/4	15.462
67	4 3/8	20.533
68	6	20.879
79	-	24.079
79	6 3/4	24.251
119	7 7/8	36.471
131	6 1/8	40.084
288	7	87.960

AC	RD	P	SQ M
-	-	1/4	6.3
-	-	3/4	19
-	-	11 1/2	290.9
-	-	38 1/2	973.8

SQ FT	SQ M
47	4.4

I, Bruce Richard Davies, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 27th day of April, 1977

1

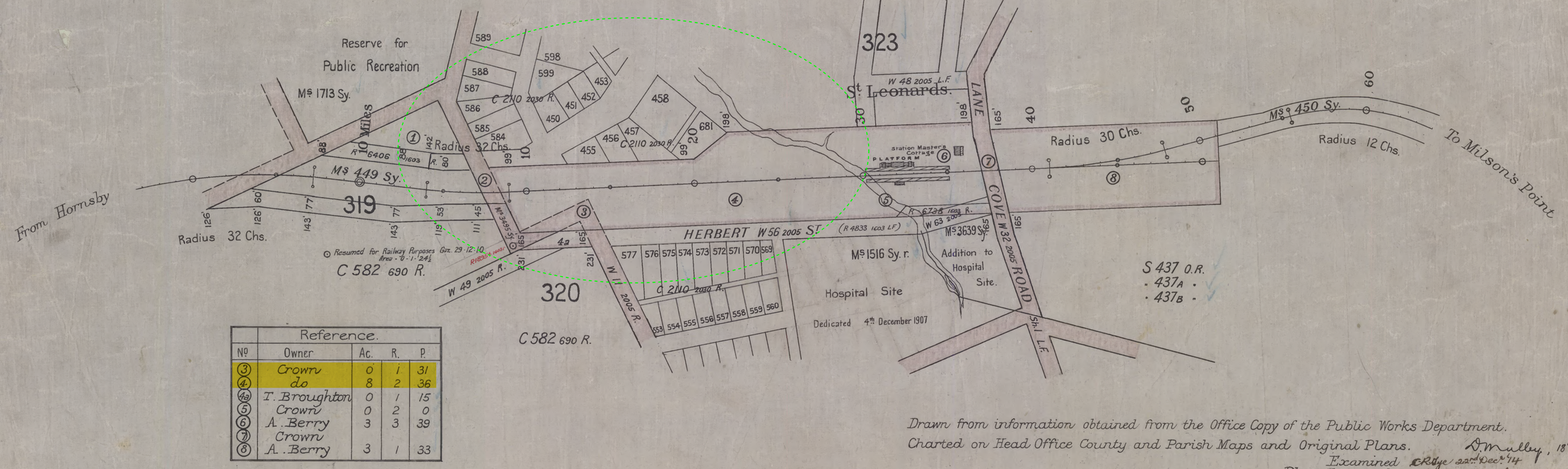
PLAN

of part of Railway from Pearce's Corner to St. Leonards

Parish of Willoughby - County of Cumberland

Scale - 4 Chains to an Inch.

Confirmation of Proclamation from 10m. 10ch. 0lks. to 10m. 37ch. 0lks. under Act 22 Vic. No 19 vide Gazette 6th August 1889, Vol. 397, Fol. 5299.
do do 10m. 37ch. 0lks to 10m. 51ch. 0lks. do do 24th September 1889, - 491, - 6680.
Plan C 582 690 Roll is with the Chief Surveyor and will not be issued.



Reference.				
№	Owner	Ac.	R.	P.
(3)	Crown	0	1	31
(4)	do	8	2	36
(4a)	T. Broughton	0	1	15
(5)	Crown	0	2	0
(6)	A. Berry	3	3	39
(7)	Crown			
(8)	A. Berry	3	1	33

Drawn from information obtained from the Office Copy of the Public Works Department.
Charted on Head Office County and Parish Maps and Original Plans. D. Mulley, 18th Decr 1914.
Examined C.R.Bye 22nd Decr '14
Plan Examined C.R.Bye 17th Decr 1914

Plan approved
Chief Draftsman
17 Dec 1914

PLAN MICROFILMED
NO ADDITIONS OR AMENDMENTS TO BE MADE

Ms 4440 Sy.

4440-3000

Req:R579732 /Doc:CP 04440-3000 P /Rev:01-Dec-2012 /NSW LRS /Prt:28-Jan-2026 20:40 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 & 37 Herbert

Req:R579730 /Doc:CP 03495-3000 P /Rev:27-Nov-2012 /NSW LRS /Prt:28-Jan-2026 20:38 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 & 37 Herbert

MISCELLANEOUS BRANCH
01204 24 JAN 1911
LANDS DEPT

PLAN

Land tinted red Appropriated for Railway Purposes by the Chief Commissioner for Railways

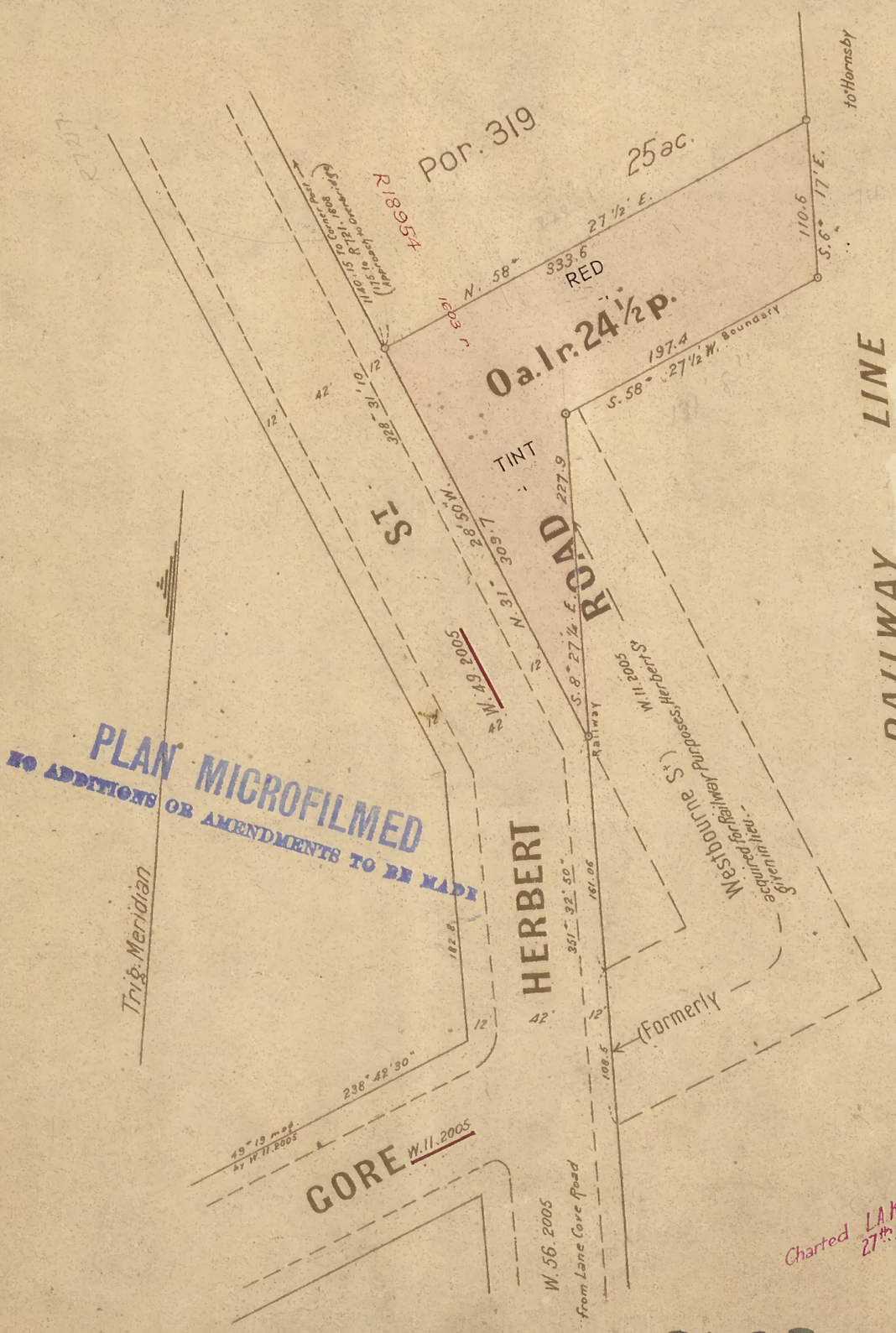
at ST LEONARDS

Parish of Willoughby; County of Cumberland.

Scale 1 chain to an inch

Resumed for Railway Purposes Gaz. 29th Dec. 1910.

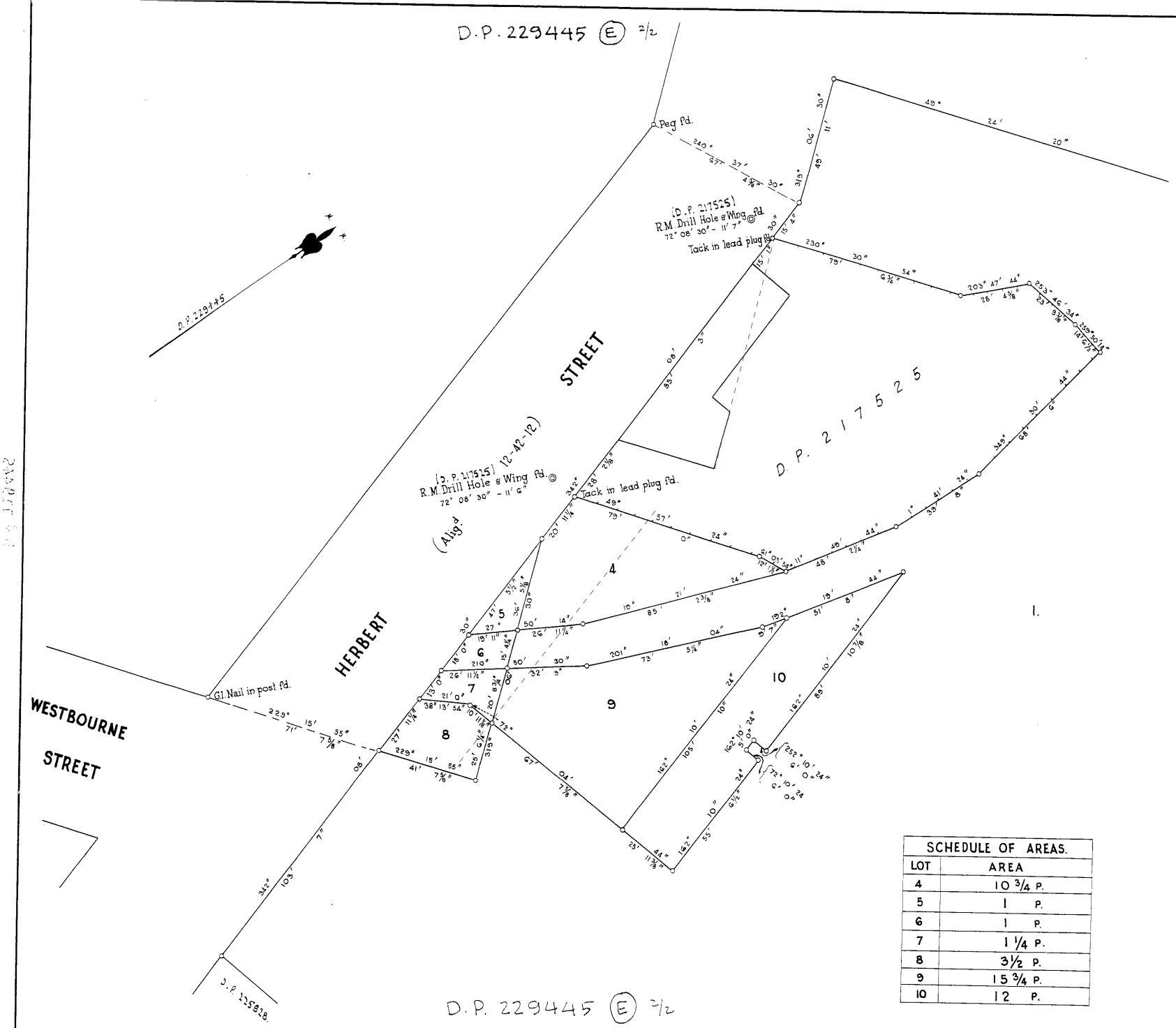
(93) adopted in reference



Ms 3495 Sy.

3495 3000

Req:R579782 /Doc:DP 0229445 P /Rev:15-Mar-1996 /NSW LRS /Pgs:ALL /Prt:28-Jan-2026 21:20 /Seq:4 of 7
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert



SCHEDULE OF AREAS.	
LOT	AREA
4	10 3/4 P.
5	1 P.
6	1 P.
7	1 1/4 P.
8	3½ P.
9	15 3/4 P.
10	12 P.

Substitute Plan
~~D.P. 227400~~

Registered: 7.9.1966

This is Sheet 2 of my plan in 2

Sheets dated 25 - 3 - 65

M. Hildenhall

Surveyor registered under Surveyors Act, 1929, as amended.

This is Sheet ..... of the plan of .....

Sheets covered by my Certificate No. .....

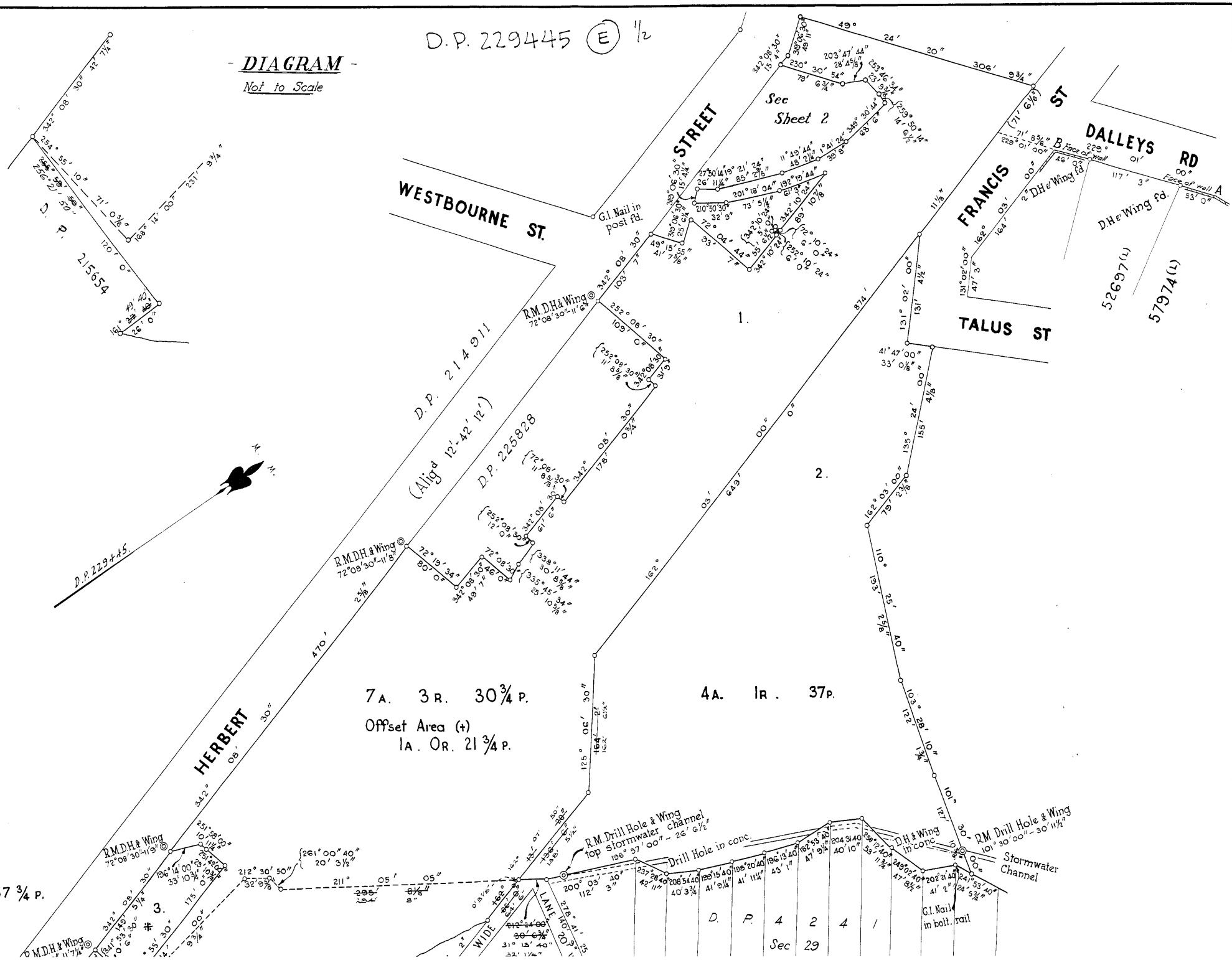
of .....

Council Clerk

Scale: 30 feet to an inch

D.P. 229445

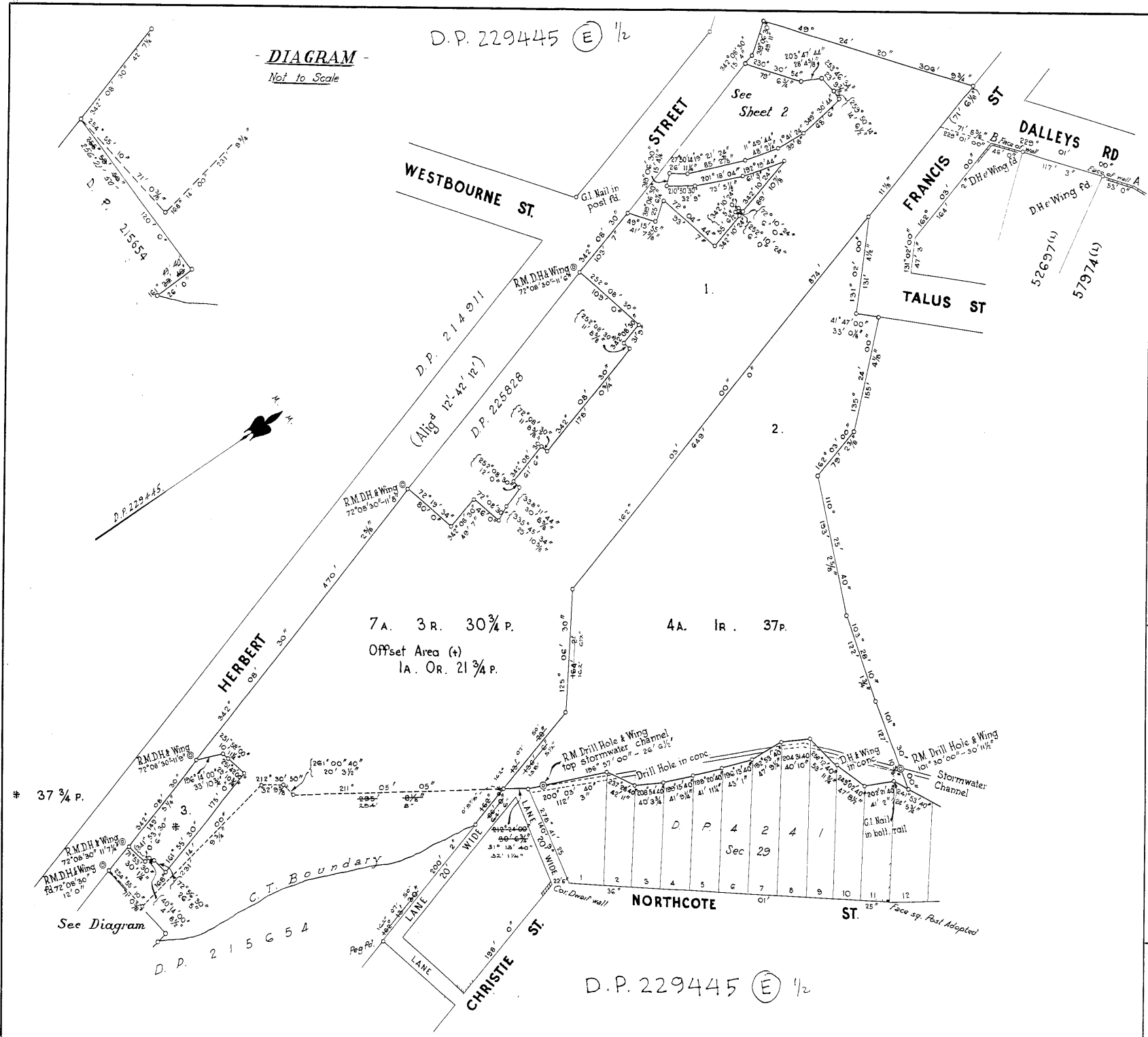
Form 2



Req:R579782 /Doc:DP 0229445 P /Rev:15-Mar-1996 /NSW LRS /Pgs:ALL /Prt:28-Jan-2026 21:20 /Seq:2 of 7
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

Form 2

D.P. 229445 (E)



Substitute Plan
~~D.P. 227400~~

Registered: 7.9.1966

C.A.:

Title System: Torrens & Old System

Purpose: Resumption

Ref. Map: Willoughby Shts 7 & 8

Last Plan: Willoughby Shts 1 & 18

PLAN OF land in C.T. Vol. 1126 Fol. 206 and former Crown Land acquired for the Pearces Corner to St. Leonards Railway and land acquired by notification in Govt. Gaz. Nº 193 of 29-12-1910 and Nº 62 of 22-5-1931

Scale: 100 feet to an inch

Mun./~~Shire~~

~~City~~ Willoughby

Locality: ST. LEONARDS

Parish: Willoughby

County: Cumberland

I, Mervyn Thomas Mildenhall

of Survey Sec. Department of Railways N.S.W.

a surveyor registered under the Surveyors Act, 1929, as amended, hereby certify that the survey represented in this plan is accurate and has been made (1) by me (2) ~~under my immediate supervision~~ in accordance with the Survey Practice Regulations, 1933, and was completed on 25-3-65

Signature: M Mildenhall

Surveyor registered under Surveyors Act, 1929, as amended.

Datum Line of Azimuth: AB

Statements of Proposed Easements.

Lengths and bearings amended in Reg. Gen. Dept. — vide 1970 N. 2207.

Reg Gen 26-3-1970

Approved by the Council and Certified in accordance with the provisions of Section 327 of the Local Government Act, 1919.

Date.....

Subdivision No.....

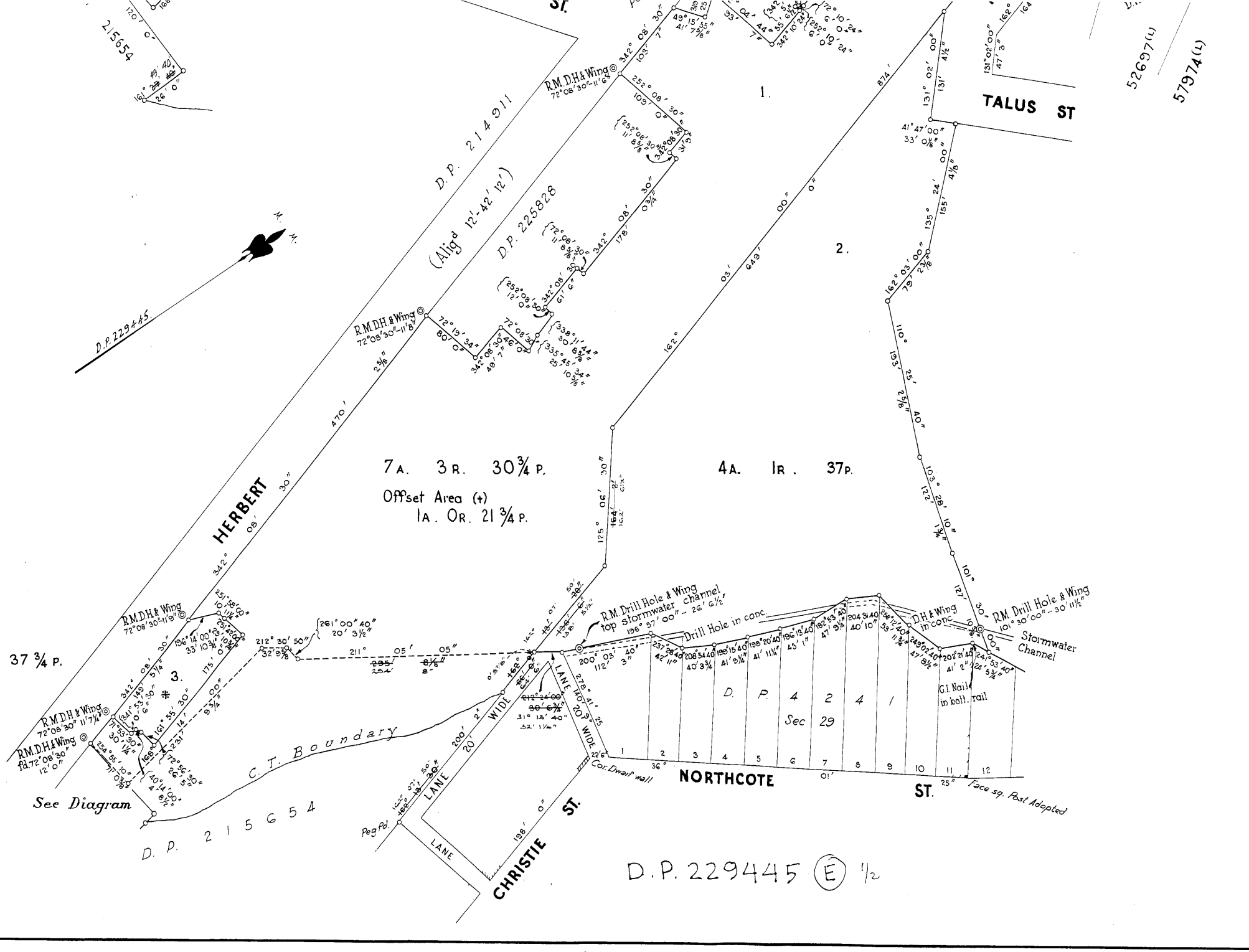
.....

Council Clerk

OFFICE USE ONLY (S.W.D.)

Amendments made in Reg. Gen. Dept. Lot 1 — 256°21'30"& 16°49'40"

InfoTrack
Req:R579782 /Doc:DP 0229445 P /Rev:15-Mar-1996 /NSW LRS /Pgs:ALL /Prt:28-Jan-2026 21:20 /Seq:1 of 7
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

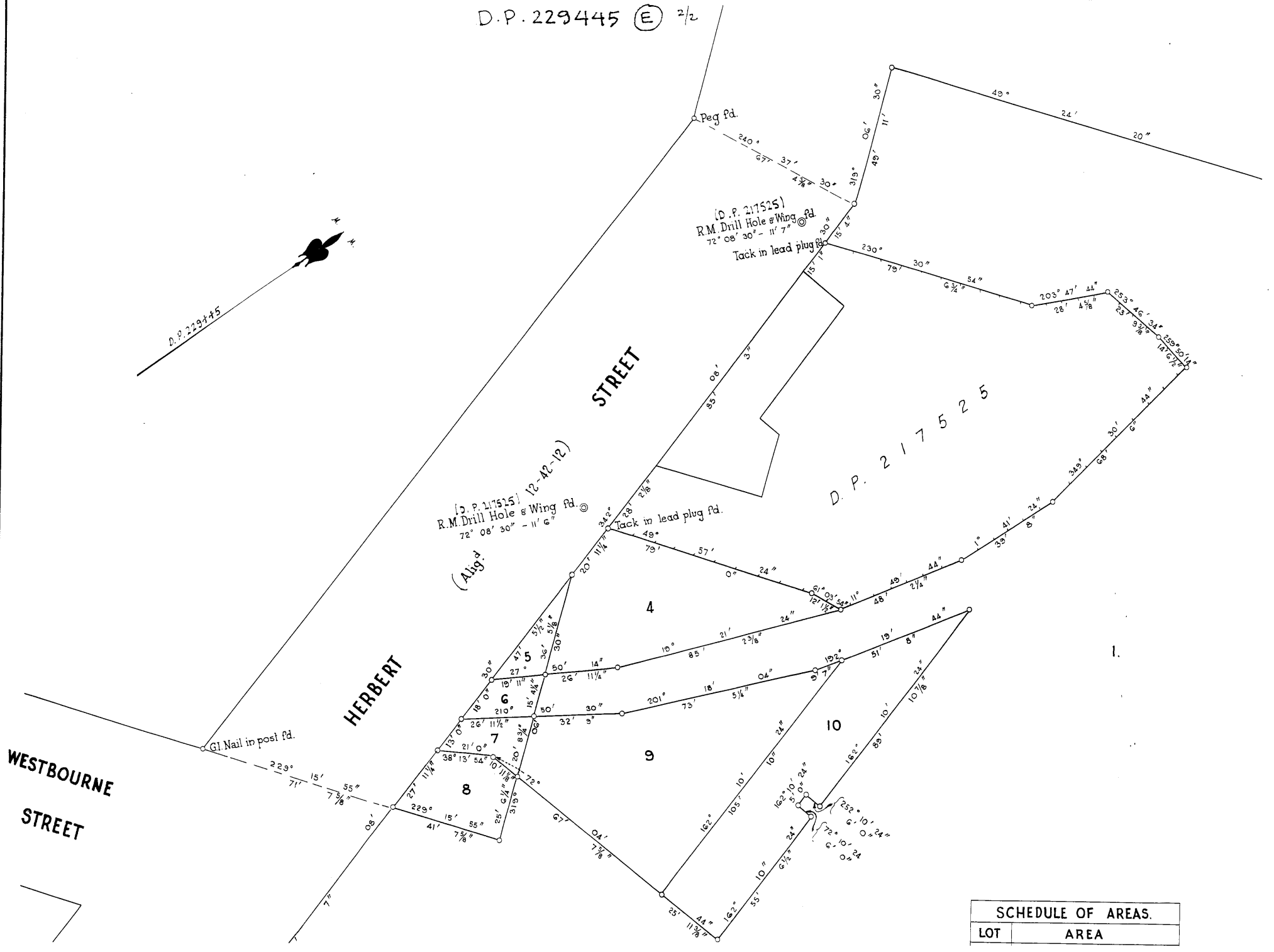


Req:R579782 /Doc:DP 0229445 P /Rev:15-Mar-1996 /MSW LRS /Pgs:ALL /Prt:28-Jan-2026 21:20 /Seq:3 of 7
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

SURVEYOR'S REFERENCE →

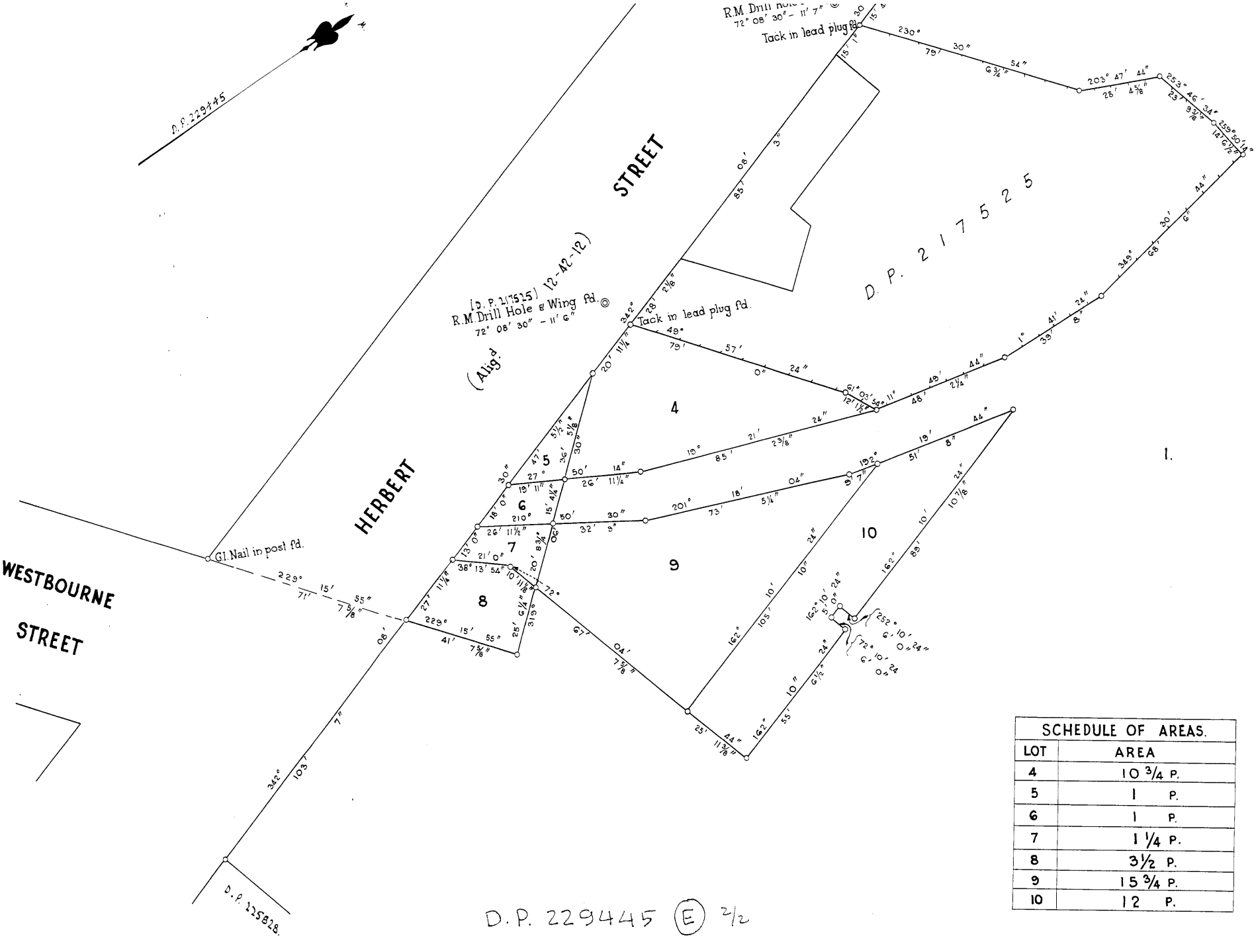
Form No. 4

D.P. 229445 (E) 2/2



SCHEDULE OF AREAS.	
LOT	AREA

Req:R579782 /Doc:DP 0229445 P /Rev:15-Mar-1996 /NSW LRS /Pgs:ALL /Prt:28-Jan-2026 21:20 /Seq:5 of 7
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert



D.P. 229445 (E) 2/2

SCHEDULE OF AREAS.	
LOT	AREA
4	10 3/4 P.
5	1 P.
6	1 P.
7	1 1/4 P.
8	3½ P.
9	15 3/4 P.
10	12 P.

SURVEYORS REFERENCE →

Req:R579782 /Doc:DP 0229445 P /Rev:15-Mar-1996 /NSW LRS /Pgs:ALL /Prt:28-Jan-2026 21:20 /Seq:6 of 7
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

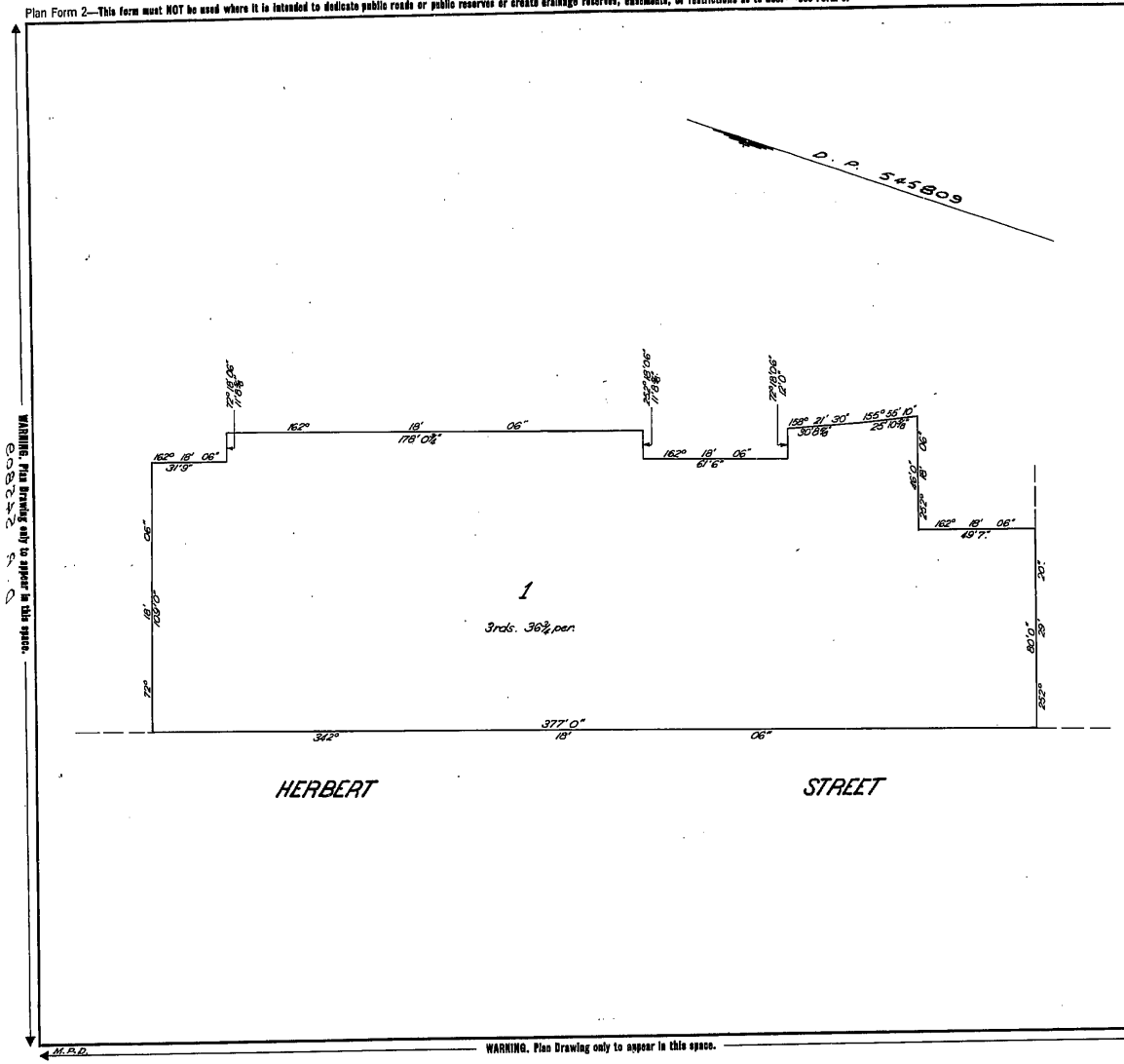
InfoTrack
Req:R579781 /Doc:DP 0545809 P /Rev:28-Oct-1992 /NSW LRS /Pgs:ALL /Prt:28-Jan-2026 21:20 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

DP545809

Plan Form 2—This form must NOT be used where it is intended to dedicate public roads or public reserves or create drainage reserves, easements, or restrictions as to user—See Form 3.

WARNING. CREASING OR FOLDING WILL LEAD TO REJECTION.

WARNING. Plan Drawing only to appear in this space.



WARNING. Plan Drawing only to appear in this space.

M.P.D.

D. P. 545809

Registered: [redacted] 25.11.1970

C.A. No 3049 of 30-1-1970

Title System: Torrens

Purpose: Consolidation

Ref. Map: Willoughby Sh 18

Last Plan: D.P 234903 (D.P 225828*)

PLAN OF CONSOLIDATION OF LOTS 3, 4, 5 & 6 IN D.P.234903

Scale: 30 feet to an inch

Mun./Shire

City: WILLOUGHBY

Locality: ST. LEONARDS

Parish: WILLOUGHBY

County: CUMBERLAND

~~This is sheet 1 of my plan is sheets~~ Delete if inapplicable.

I, PETER ANTHONY MAHONY

of G.V. MINIFF & ASSOCIATES at 245 Pacific Hwy St Leonards

a surveyor registered under the Surveyors Act, 1929, as amended, hereby certify that the survey represented in this plan ~~accurately~~ complied from D.P. 234903

is accurate and has been made ~~*(1) by me~~ *(2) under my immediate supervision in accordance with the Survey Practice Regulations, 1933, and was completed on †

9th July '69.

Signature

Surveyor registered under Surveyors Act, 1929, as amended.

Datum Line of Azimuth.

*Strike out either (1) or (2). †Insert date of survey.

Council Clerk's Certificate.

I hereby certify that—

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans), and

*(b) the requirements of section 24B of the [Metropolitan Water, Sewerage, and Drainage Act, 1924, as amended, [Hunter District Water, Sewerage, and Drainage Act, 1938, as amended,

have been complied with by the applicant in relation to the proposed Subdivision

(Insert "new road" or "subdivision") set out herein.

Subdivision No. 3049

Date 30/1/70. (Signature) Council Clerk.

*This part of certificate to be deleted where the application is only for the opening of a new road or where the land to be subdivided is wholly outside the area of operations of the Metropolitan Water Sewerage and Drainage Board and the Hunter District Water Board.

†Delete if inapplicable.

OFFICE USE ONLY. 1 4 1 0 1 0

SURVEYOR'S REFERENCE. Y1182/2.

CONVERSION TABLE ADDED IN REGISTRAR GENERAL'S DEPARTMENT

DP 545809

FEET	INCHES	METRES
11	8 5/8	3.57
12	-	3.66
25	10 5/8	7.89
30	0 5/8	9.365
31	9	9.675
46	-	14.02
49	7	15.115
61	6	18.745
80	-	24.385
109	-	33.225
175	0 3/4	53.36
178	0 3/4	54.27
377	-	114.91

AC	RD	P	SQ M
-	3	36 3/4	3965

I, Jack Hayward Watson, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 12th day of August, 1976.

[redacted]

LAND REGISTRY SERVICES Historical Search

InfoTrack

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

9/1/2026 7:54AM

FOLIO: 1/115615

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 1986 FOL 52

Recorded	Number	Type of Instrument	C.T. Issue
21/8/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
5/2/1991		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
11/1/1995	U933070	DISCHARGE OF MORTGAGE	
11/1/1995	U933071	TRANSFER	EDITION 1
28/7/2016	AK577185	LEASE	
28/7/2016	AK577194	TRANSFER	EDITION 2
10/8/2016	AK667400	CAVEAT	
30/9/2016	AK799725	WITHDRAWAL OF CAVEAT	
30/9/2016	AK799726	TRANSFER	EDITION 3
3/4/2017	AM277184	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 4
12/4/2017	AM305663	MORTGAGE	EDITION 5
11/1/2019	AN989098	DEPARTMENTAL DEALING	
26/7/2019	AP420577	DISCHARGE OF MORTGAGE	
26/7/2019	AP420578	MORTGAGE	EDITION 6
30/9/2024	AU455790	DISCHARGE OF MORTGAGE	
30/9/2024	AU455791	MORTGAGE	EDITION 7

*** END OF SEARCH ***

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Received: 09/01/2026 07:54:24

Req:R481012 /Doc:DL U933071 /Rev:11-Mar-2010 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 07:54 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

97-01T

TRANSFER

Real Property Act, 1900

U 933071 U

Office of State Revenue use only

(A) **LAND TRANSFERRED**

Show no more than 20 References to Title.
If appropriate, specify the share transferred.

FOLIO IDENTIFIER 1/115615

(B) **LODGED BY**

L.T.O. Box	Name, Address or DX and Telephone
605m	LEGALITIES PTY. LIMITED DX 725 SYDNEY PH: 221 8566 REFERENCE (max. 15 characters): MS: DOROTHY

(C) **TRANSFEROR** NEPHARD PTY LIMITED A.C.N. 001 722 452

(D) acknowledges receipt of the consideration of $1,525,000

and as regards the land specified above transfers to the Transferee an estate in fee simple

(E) subject to the following **ENCUMBRANCES** 1. ..... 2. ..... 3. .....

(F) **TRANSFEREE**

T

REECE PTY LIMITED A.C.N. 004 097 090

(G) **TENANCY:**

(H) We certify this dealing correct for the purposes of the Real Property Act, 1900. **DATED** 23rd December 1994

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

The Common Seal of NEPHARD PTY LIMITED)
A.C.N. 001 722 452 was hereunto)
affixed by authority of the directors)
in the presence of:)

Signature of Witness

Name of Witness (BLOCK LETTERS)

Secretary

Director

NEPHARD PTY LIMITED Common Seal

NEPHARD PTY LIMITED A.C.N. 001 722 452 Common Seal

Signed in my presence by the Transferee who is personally known to

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address of Witness

Solicitor for Transferee

A. CORDATO

CHECKED BY (office use only) WP

INSTRUCTIONS FOR FILLING OUT THIS FORM ARE AVAILABLE FROM THE LAND TITLES OFFICE

Ausdoc Commercial and Law Stationers 1991

Req:R481013 /Doc:DL AK577194 /Rev:02-Aug-2016 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 07:54 /Seq:1 of 2
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

AK577185 (1)

Form: 01T
Licence: 03-09-096
Licensee: Minter Ellison

TRANSFER

New South Wales
Real Property Act 1900

AK577194K

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY Office of State Revenue use only

Office of State Revenue
NSW Treasury
Client No: 1411509 2649
Duty: $10.00 Trans No: 8 74882 -001
Asst details:
27/6/16

(A) **TORRENS TITLE** 1/115615

(B) **LODGED BY**

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any	CODES
599D	Minter Ellison Governor Macquarie Tower Customer Account Number: 123438 S LLPN 123438S 1 Farrer Place, Sydney Telephone Ph (02) 9921 8888 Reference: BWJ-1128842	T TW

(C) **TRANSFEROR** **Reece Pty Limited ACN 004 097 090**

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of $Amount set out in contract for sale dated 31 MARCH 2016 and as regards

(E) **ESTATE** the abovementioned land transfers to the transferee an estate in fee simple

(F) **SHARE TRANSFERRED**

(G) Encumbrances (if applicable):

(H) **TRANSFEREE** **37 HERBERT PTY LTD ACN 608 255 723**

(I) **TENANCY:**

DATE:

RECEIVED
27 JUL 2016
10:40
TIME:

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

Corporation: Reece Pty Limited ACN 004 097 090
Authority: section 127 of the *Corporations Act 2001* (Cth)

Signature of authorised person	Signature of authorised person
X ~~LA WILSON~~ LESLIE ALAN WILSON	X GAVIN K STREET
Name of authorised person	Name of authorised person
Director	~~Director~~/Secretary
Office held	Office held

*s117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.

ALL HANDWRITING MUST BE IN BLOCK CAPITALS

1303

ME_130698777_1 (W2007)

Req:R481013 /Doc:DL AK577194 /Rev:02-Aug-2016 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 07:54 /Seq:2 of 2
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

...e purposes of the Real Property Act 1900 by the person whose signature appears below.

Signature

Thomas Sterling

Signatory's name

transferee's solicitor

Signatory's capacity

(K) The transferee's solicitor certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. 1085810 Full name: THOMAS STERLING Signature:

*s117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/115615

SEARCH DATE	TIME	EDITION NO	DATE
9/1/2026	7:53 AM	7	30/9/2024

LAND

LOT 1 IN DEPOSITED PLAN 115615
LOCAL GOVERNMENT AREA WILLOUGHBY
PARISH OF WILLOUGHBY COUNTY OF CUMBERLAND
TITLE DIAGRAM DP115615

FIRST SCHEDULE

AQUALAND ST LEONARD DEVELOPMENT 2 PTY LTD (T AK799726)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AU455791 MORTGAGE TO AUSTRALIA AND NEW ZEALAND BANKING GROUP LIMITED

NOTATIONS

UNREGISTERED DEALINGS: PE DP1322828.

*** END OF SEARCH ***

* Entries preceded by an asterisk do not appear on the former Certificate of Title abolished in 2021 or the current edition of Water Access Licence Certificate. Warning: the information appearing under notations has not been formally recorded in the Register.

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Received: 09/01/2026 07:53:34

LAND REGISTRY SERVICES Historical Search

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
9/1/2026 7:54AM

FOLIO: 1/744175

First Title(s): OLD SYSTEM
Prior Title(s): CA21320

Recorded	Number	Type of Instrument	C.T. Issue
3/8/1987	CA21320	CONVERSION ACTION	FOLIO CREATED EDITION 1
13/6/1990	Y875936	LEASE	EDITION 2
13/6/1990	Y875937	LEASE	
15/8/1996	2383042	CHANGE OF NAME	
15/8/1996	2383043	VARIATION OF LEASE	
15/8/1996	2383044	VARIATION OF LEASE	EDITION 3
13/2/1998	3695160	SURRENDER OF LEASE	
13/2/1998	3796987	DEPARTMENTAL DEALING	
13/2/1998	3695162	LEASE	EDITION 4
20/5/1998	3969526	LEASE	EDITION 5
23/7/1998	5147406	CAVEAT	
13/11/1998	5393473	TRANSFER BY MORTGAGEE UNDER POWER OF SALE	EDITION 6
30/4/1999	5783925	MORTGAGE	EDITION 7
12/4/2000	6632617	SURRENDER OF LEASE	
12/4/2000	6632618	VARIATION OF LEASE	
12/4/2000	6632619	TRANSFER OF LEASE	
15/5/2000	6715564	LEASE	EDITION 8
8/6/2000	6848662	LEASE	EDITION 9
31/8/2000	7040874	APPLICATION	
31/8/2000	7040875	TRANSFER	EDITION 10
11/10/2001	8015803	DISCHARGE OF MORTGAGE	EDITION 11
11/8/2003	9571266	LEASE	EDITION 12
3/2/2004	AA280661	LEASE	EDITION 13

END OF PAGE 1 - CONTINUED OVER

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
9/1/2026 7:54AM

FOLIO: 1/744175 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
1/3/2004	AA457406	CAVEAT	
6/9/2004	AA829597	LEASE	
6/9/2004	AA829598	TRANSFER	EDITION 14
25/10/2007	AC885410	LEASE	
16/7/2008	AC805514	REJECTED - LEASE	
16/7/2008	AD535431	REJECTED - SURRENDER OF LEASE	
22/7/2008	AD815264	SUB-LEASE	
22/7/2008	AE97858	DEPARTMENTAL DEALING	EDITION 15
17/10/2008	AE274464	LEASE	EDITION 16
4/11/2008	AE297991	LEASE	
4/11/2008	AE297992	TRANSFER OF LEASE	EDITION 17
4/11/2008	AE307185	DEPARTMENTAL DEALING	EDITION 18
21/11/2008	AE340583	LEASE	EDITION 19
26/5/2009	AE706298	TRANSFER OF LEASE	EDITION 20
2/6/2009	AE721439	LEASE	EDITION 21
18/5/2010	AF466729	SUB-LEASE	
27/9/2010	AF783642	LEASE	EDITION 22
12/4/2011	AG93957	SURRENDER OF LEASE	
12/4/2011	AG93958	LEASE	EDITION 23
28/3/2012	AG865285	SUB-LEASE	
17/7/2012	AH115432	SURRENDER OF LEASE	
17/7/2012	AH115433	LEASE	EDITION 24
1/11/2013	AI102185	REQUEST	EDITION 25
1/4/2014	AI481860	TRANSFER OF LEASE	
1/4/2014	AI481861	VARIATION OF LEASE	EDITION 26
25/6/2014	AI685435	REQUEST	

END OF PAGE 2 - CONTINUED OVER

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
9/1/2026 7:54AM

FOLIO: 1/744175 PAGE 3

Recorded	Number	Type of Instrument	C.T. Issue
25/6/2014	AI685436	TRANSFER	
25/6/2014	AI685437	MORTGAGE	EDITION 27
11/12/2014	AJ110727	CAVEAT	
23/7/2015	AJ678022	DISCHARGE OF MORTGAGE	
23/7/2015	AJ678023	TRANSFER	
23/7/2015	AJ678024	MORTGAGE	EDITION 28
21/12/2016	AK862291	LEASE	
21/12/2016	AK862292	LEASE	EDITION 29
1/9/2018	AN678863	DEPARTMENTAL DEALING	EDITION 30 CORD ISSUED
7/7/2020	AQ215938	LEASE	EDITION 31 CORD ISSUED
13/9/2023	AT431055	REQUEST	
13/9/2023	AT431058	REQUEST	EDITION 32

*** END OF SEARCH ***

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Received: 09/01/2026 07:54:25

Req:R481027 /Doc:DL 5393473 /Rev:17-Nov-1998 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

97-01TP

TRANSFER UNDER POWER OF SALE

Section 58 Real Property Act 1900

5393473E

Office of

N.S.W. STAMP DUTY
250898 8421 04 20149047 3/02 $2.00

(A) **LAND TRANSFERRED**

Show no more than 20 References to Title.
If appropriate, specify the share transferred.

FOLIO IDENTIFIER 3/772072
FOLIO IDENTIFIER 1/744175
FOLIO IDENTIFIER 2/744175

(B) **LODGED BY**

L.T.O. Box	Name, Address or DX and Telephone
987T	LANDERER & COMPANY, SOLICITORS LEVEL 31, 133 CASTLEREAGH STREET SYDNEY NSW 2000 DX 1247 SYDNEY REFERENCE (max. 15 characters): 1Z' GF:KLM TEL:9261 4242

(C) **TRANSFEROR** NZI CAPITAL CORPORATION LIMITED ACN 002 895 212

being the mortgagee in **MORTGAGE** U396477, Book 3704 No 6 ~~and U408599~~ dated 24/6/94 and from 18/5/87 respectively the registered proprietor of the above Land, acknowledges receipt of the consideration of $19,800,000.00 and in exercise of power of sale under that Mortgage transfers an estate in fee simple in the above Land to the Transferee

(D) subject to the following **ENCUMBRANCES** 1. ..... 2. ..... 3. .....

(E) **TRANSFEREE**

TP

PERPETUAL TRUSTEE COMPANY LIMITED ACN 000 001 007

(F) ~~TENANCY~~:

(G) We certify this dealing correct for the purposes of the Real Property Act, 1900. **DATE** 6th November 1998

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

The Common Seal of:-
N.Z.I. CAPITAL CORPORATION LTD
was hereunto duly affixed in the presence of:
.....DIRECTOR
.....SECRETARY

NZI CAPITAL CORPORATION LIMITED
THE COMMON SEAL OF
A.C.N. 002 895 212

.....
Signature of Witness

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

.....
Address of Witness

.....
Signature of Transferor

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

.....
Signature of Witness

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

.....
Address of Witness

GEOFF FARLAND
Solicitor for
Signature of Transferee

CHECKED BY (office use only) .....

OFF X 5147406

Req:R481028 /Doc:DL 7040874 /Rev:05-Sep-2000 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:1 of 3
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

Licence: 00-06-006
Licensee: Mallesons Stephen Jaques

NEW REGISTERED PROPRIE

New South Wales
Section 46C Real Property Act 19
Section 12(4) Trustee Act 1925

7040874G

STAMP DUTY — Office of State Revenue use only

OFFICE OF STATE REVENUE (N.S.W. TREASURY) 1996/97 P26 NO STAMP DUTY IS PAYABLE ON THIS INSTRUMENT

(A) **LAND**

Torrens Title
1/744175, 2/744175 and 3/772072

(B) **REGISTERED DEALING**

Number	Torrens Title

(C) **LODGED BY**

LTO Box	Name, Address or DX and Telephone	CODE
41J	Mallesons Stephen Jaques DX 113 Sydney (02) 9296 2000 REFERENCE (15 character maximum): 02-5025-9293 ~~731588~~/MGM	AP

(D) **APPLICANT**

STOCKLAND PROPERTY MANAGEMENT LIMITED (ACN 001 900 741)

(E) **PRESENT REG'D PROPRIETOR**

PERPETUAL TRUSTEE COMPANY LIMITED (ACN 000 001 007)

(F) **NEW REG'D PROPRIETOR**

STOCKLAND PROPERTY MANAGEMENT LIMITED (ACN 001 900 741)

(G) **APPLICATION UNDER SECTION 46C REAL PROPERTY ACT 1900**

In regard to the land/registered dealing specified above, the applicant requests the Registrar General to record the new registered proprietor on the folio of the Register, the land/registered dealing having vested in the new registered proprietor pursuant to-

(H) Sections 601EB; 601FS and 1462 of the Corporations Law and by virtue of registration of the New Registered Proprietor as responsible entity of the Australian Commercial Property Trust ARSN 093 192 799

(G) **APPLICATION UNDER SECTION 12(4) TRUSTEE ACT 1925**

In regard to the land/registered dealing specified above, the applicant requests the Registrar General to record the new registered propreitor on the folio of the Register consequent on-

(I)

(J) We certify this dealing correct for the purposes of the Real Property Act 1900. **DATE:** 30 June 2000

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

See Annexure "A" for Execution

~~Signature of witness:~~ ~~Signature of applicant:~~

Name of witness:

Address of witness:

1053

SD17.8%

All handwriting must be in block capitals

Req:R481028 /Doc:DL 7040874 /Rev:05-Sep-2000 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:2 of 3
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

ANNEXURE A

THE COMMON SEAL of)
STOCKLAND PROPERTY)
MANAGEMENT ~~TRUST~~ Limited is duly)
affixed by authority of its directors in the presence of:

.....
Signature of authorised person

DIRECTOR
.....
Office held

JOHN L. PETTIGREW
.....
Name of authorised person (block letters)

STOCKLAND PROPERTY MANAGEMENT LTD A.C.N. 001 900 741
Common Seal

.....
Signature of authorised person

Secretary
.....
Office held

JULIE RASMUSSEN
.....
Name of authorised person (block letters)

Req:R481028 /Doc:DL 7040874 /Rev:05-Sep-2000 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:3 of 3
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

FILM WIT
7040874

ASIC
Australian Securities & Investments Commission

New South Wales Regional Office
No. 1 Martin Place, Sydney
GPO Box 9827 Sydney NSW 2001
DX 653 Sydney

Telephone: (02) 9911 2200
Facsimile: (02) 9911 2333

Our Reference: SRC 2000/11172

6 June 2000

Stockland Property Management Limited
Level 16, 157 Liverpool St
SYDNEY NSW 2000

Attn: Julie Rassmussen

Dear Julie

REGISTRATION OF MANAGED INVESTMENT SCHEME
AUSTRALIAN COMMERCIAL PROPERTY TRUST

I refer to the application dated 2 June 2000 to register a managed investment scheme.

I am pleased to confirm registration of the Australian Commercial Property Trust scheme as at 6 June 2000. The Australian Registered Scheme Number ("ARSN") for this scheme is 093 192 799.

Please ensure that you quote the ARSN on all scheme related documents lodged with the Australian Securities and Investments Commission, including the prospectus.

Please contact me on 9911 2379 should you wish to discuss this matter.

Yours sincerely

Stiven Bordin
Compliance Analyst
Managed Investments

Req:R481029 /Doc:DL 7040875 /Rev:05-Sep-2000 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:1 of 2
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

Form: 97-01T
Licence: 026CN/0526/96

TRANSFER

New South Wales

Real Property Act 1900

7040875E

Instructions for filling out this form are available from the Land Titles Office

Office of State Revenue use only

NEW SOUTH WALES DUTY
06-07-2000 0000355537-003
SECTION 54(4)
DUTY $ **********10.00

(A) **LAND TRANSFERRED**
Show no more than 20 titles. If appropriate, specify the share or part transferred.

1/744175, 2/744175 and 3/772072

(B) **LODGED BY**

LTO Box	Name, Address or DX and Telephone
41J	Mallesons Stephen Jaques DX 113 Sydney (02) 9296 2000 REFERENCE (15 character maximum): 02.5025.9293 ~~731508.01~~/MGM

(C) **TRANSFEROR** **STOCKLAND PROPERTY MANAGEMENT LIMITED** (ACN 001 900 741)

(D) acknowledges receipt of the consideration of entry into the Custody Deed
and as regards the land specified above transfers to the transferee an estate in fee simple.

(E) Encumbrances (if applicable) 1. 5783925 2. 3.

(F) **TRANSFEREE**

T **TS** (s713 LGA) **TW** (Sheriff)	**TRUST COMPANY OF AUSTRALIA LIMITED** (ACN 004 027 749)

(G) **TENANCY:**

(H) We certify this dealing correct for the purposes of the Real Property Act 1900. **DATE** 30 June 2000

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

See Annexure "A" for execution

.....
Signature of Witness

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

.....
Address of Witness

.....
Signature of Transferor

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

.....
Signature of Witness

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

.....
Address of Witness

.....
Signature of Transferee

NB: if signed on the transferee's behalf by a solicitor or licensed ~~conveyancer, show the signatory's full name in block letters.~~

CHECKED BY (LTO use) SD1787

Req:R481029 /Doc:DL 7040875 /Rev:05-Sep-2000 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:2 of 2
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

ANNEXURE A

THE COMMON SEAL of **STOCKLAND PROPERTY MANAGEMENT LIMITED** is duly affixed by authority of its directors in the presence of:

STOCKLAND PROPERTY MANAGEMENT LTD A.C.N. 001 900 741 — Common Seal

.....
Signature of authorised person

Secretary
.....
Office held

JULIE RASMUSSEN
.....
Name of authorised person (block letters)

.....
Signature of authorised person

DIRECTOR
.....
Office held

JOHN LESTER PETTIGREW
.....
Name of authorised person (block letters)

THE COMMON SEAL of **TRUST COMPANY OF AUSTRALIA LIMITED** is duly affixed by authority of its directors in the presence of:

TRUST COMPANY OF AUSTRALIA LIMITED A.C.N. 004 027 749 — THE COMMON SEAL OF

.....
Signature of authorised person

M J Britton
Authorised Countersigning Officer
.....
Office held

.....
Name of authorised person (block letters)

.....
Signature of authorised person

J Sweeney
Director
.....
Office held

.....
Name of authorised person (block letters) N11148/00

Req:R481030 /Doc:DL AA829598 /Rev:08-Sep-2004 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

Form: 01T
Licence: 03-10-204
Licensee: Gadens Lawyers

3

TRANSFER

New South Wales
Real Property Act 1900

2/2

AA829598H

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises t required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any

NEW SOUTH WALES DUTY

STAMP DUTY Office of State Revenue use only

16-04-2004 0001920374-001
SECTION 18(2)
DUTY $ **********2.00

(A) **TORRENS TITLE** If appropriate, specify the part transferred.

Folio Identifiers 1/744175, 2/744175 and 3/772072

(B) **LODGED BY**

Delivery Box	Name, Address or DX and Telephone	CODES
46X	THOMSON LAWPOINT GALLOWAYS Phone: (02) 9233 1011 Fax: (02) 9232 6491 Reference (optional): ~~SSH~~TBS:2319415	T TW (Sheriff)

Office of State Revenue NSW
YEAR 2000 - 2005 S26 ALTERATION NOTED

(C) **TRANSFEROR** Trust Company of Australia Limited ABN 59 004 027 749

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of $ ~~24,200,000~~ $23,965,791.16 and as regards

(E) **ESTATE** the land specified above transfers to the transferee an estate in fee simple

(F) **SHARE**

(G) Encumbrances (if applicable): 1. 2. 3.

(H) **TRANSFEREE** AMP Capital Investors Limited ACN 001 777 591

(I) **TENANCY:**

DATE 27 / 02 / 04
dd mm yy

(J) I certify that the attorney(s) signing opposite, with whom I am personally acquainted or as to whose identity I am otherwise satisfied, signed this transfer in my presence.

Signature of witness:

Name of witness: EVIE ROZALI

Address of witness: 35 CLARENCE ST SYDNEY.

Certified correct for the purposes of the Real Property Act 1900 by the attorney(s) named below who signed this transfer pursuant to the power of attorney specified.

Signature of attorney:

Attorney's name: SIMON HINDSON
Signing on behalf of: TRUST COMPANY OF AUSTRALIA LTD
Power of attorney -Book: 4279
-No.: 670

I certify that the transferee, with whom I am personally acquainted or as to whose identity I am otherwise satisfied, signed this transfer in my presence.

Signature of witness:

Name of witness:

Address of witness:

Certified correct for the purposes of the Real Property Act 1900 by the transferor.

Signature of transferee:

If signed on the transferee's behalf by a solicitor, licensed conveyancer or barrister, insert the signatory's full name and capacity below:

STEPHEN HEALY
Solicitor

2046762.1 TBS TBS

All handwriting must be in block capitals.

OFFXAA457406

Req:R481031 /Doc:DL AI685436 /Rev:30-Jun-2014 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:1 of 2
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

Form: 01I
Licence: 05-11-638
Licensee: Softdocs
Firm: Ebsworth

TRANSFER

New South Wales
Real Property Act 1900

(3)

AI685436J

RECEIVED
25 JUN 2014
TIME: 1040

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Reg... by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY — Office of State Revenue use only

Office of State Revenue (NSW)
Client No: 1411509 3796
Duty: $10 Trans No 762 1644
Asst details:
25.3.14

(A) **TORRENS TITLE** 1/744175, 2/744175 and 3/772072

(B) **LODGED BY**

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any	CODES
426	SPARKE HELMORE 1230095	T TW
	Reference (optional): ACJ648	

(C) **TRANSFEROR** AMP CAPITAL FUNDS MANAGEMENT LIMITED (ACN 159 557 721)

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of $ pursuant to contract dated 12/03/14 and as regards the land

(E) **ESTATE** specified above transfers to the transferee an estate in fee simple.

(F) **SHARE TRANSFERRED**

(G) Encumbrances (if applicable):

(H) **TRANSFEREE** THE TRUST COMPANY (AUSTRALIA) LIMITED (ACN 000 000 993)

(I) **TENANCY:**

DATE D30 / NST / DMFG

(J) I certify I am an eligible witness and that the transferor's attorney signed this dealing in my presence. [See note* below]

Signature of witness:

Name of witness:

Address of witness:

Certified correct for the purposes of the Real Property Act 1900 by the person(s) named below who signed this instrument pursuant to the power of attorney specified.

Signature of attorney:

Attorney's name: See Annexure A for execution

Signature of attorney:

Attorney's name:

Signing on behalf of: AMP CAPITAL FUNDS MANAGEMENT LIMITED (ACN 159 557 721)

Power of attorney Book: 4648 No: 698

Certified correct for the purposes of the Real Property Act 1900 by the person whose signature appears below.

Signature:

Signatory's name: MARIA CARAMANLIS

Capacity: Solicitor for the transferee

(K) The transferee's solicitor certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. 586704 Full Name: MARIA CARAMANLIS Signature:

** s117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.*

Req:R481031 /Doc:DL AI685436 /Rev:30-Jun-2014 /NSW LRS /Pgs:ALL /Prt:09-Jan-2026 08:07 /Seq:2 of 2
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ANNEXURE A TO TRANSFER OF 1/744175, 2/744175 and 3/772072

(I) I certify that I am an eligible witness and that the transferor's attorneys signed this dealing in my presence. [See note* below].

Signature of witness

Name of witness

Address of witness KELLY DENMEADE
TEAM ASSISTANT
LEVEL 17, 50 BRIDGE ST
SYDNEY, NSW, 2000

Certified correct for the purposes of the Real Property Act 1900 by the transferor's attorneys who signed this dealing pursuant to the power of attorney specified.

Signature of attorney

Attorney's name Adrian Lucchese

Signature of attorney

Attorney's name PRUE MILNE

Attorney's name
AMP CAPITAL FUNDS MANAGEMENT LIMITED

Signing on behalf of

Power of attorney - Book 4648
- No 698

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/744175

SEARCH DATE	TIME	EDITION NO	DATE
9/1/2026	7:53 AM	32	13/9/2023

LAND

LOT 1 IN DEPOSITED PLAN 744175
AT ST LEONARDS
LOCAL GOVERNMENT AREA WILLOUGHBY
PARISH OF WILLOUGHBY COUNTY OF CUMBERLAND
TITLE DIAGRAM DP744175

FIRST SCHEDULE

AQUALAND ST LEONARD DEVELOPMENT PTY LTD (T AJ678023)

SECOND SCHEDULE (3 NOTIFICATIONS)

---

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AJ678024 MORTGAGE TO AUSTRALIA AND NEW ZEALAND BANKING GROUP LIMITED
3 AQ215938 LEASE TO J & T MATERIALS HANDLING PTY LTD OF SHOP 1, GROUND FLOOR, 33 HERBERT STREET, ST LEONARDS. EXPIRES: 31/10/2024.

NOTATIONS

UNREGISTERED DEALINGS: PE DP1322828.

*** END OF SEARCH ***

* Entries preceded by an asterisk do not appear on the former Certificate of Title abolished in 2021 or the current edition of Water Access Licence Certificate. Warning: the information appearing under notations has not been formally recorded in the Register.

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Received: 09/01/2026 07:53:36

LAND REGISTRY SERVICES Historical Search

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
9/1/2026 7:54AM

FOLIO: 2/744175

First Title(s): OLD SYSTEM
Prior Title(s): CA21320

Recorded	Number	Type of Instrument	C.T. Issue
3/8/1987	CA21320	CONVERSION ACTION	FOLIO CREATED EDITION 1
13/6/1990	Y875936	LEASE	EDITION 2
13/6/1990	Y875937	LEASE	
15/8/1996	2383042	CHANGE OF NAME	
15/8/1996	2383043	VARIATION OF LEASE	
15/8/1996	2383044	VARIATION OF LEASE	EDITION 3
13/2/1998	3695160	SURRENDER OF LEASE	
13/2/1998	3796987	DEPARTMENTAL DEALING	
13/2/1998	3695162	LEASE	EDITION 4
20/5/1998	3969526	LEASE	EDITION 5
23/7/1998	5147406	CAVEAT	
13/11/1998	5393473	TRANSFER BY MORTGAGEE UNDER POWER OF SALE	EDITION 6
30/4/1999	5783925	MORTGAGE	EDITION 7
12/4/2000	6632617	SURRENDER OF LEASE	
12/4/2000	6632618	VARIATION OF LEASE	
12/4/2000	6632619	TRANSFER OF LEASE	
15/5/2000	6715564	LEASE	EDITION 8
8/6/2000	6848662	LEASE	EDITION 9
31/8/2000	7040874	APPLICATION	
31/8/2000	7040875	TRANSFER	EDITION 10
11/10/2001	8015803	DISCHARGE OF MORTGAGE	EDITION 11
11/8/2003	9571266	LEASE	EDITION 12
3/2/2004	AA280661	LEASE	EDITION 13

END OF PAGE 1 - CONTINUED OVER

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
9/1/2026 7:54AM

FOLIO: 2/744175 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
1/3/2004	AA457406	CAVEAT	
6/9/2004	AA829597	LEASE	
6/9/2004	AA829598	TRANSFER	EDITION 14
25/10/2007	AC885410	LEASE	
16/7/2008	AC805514	REJECTED - LEASE	
16/7/2008	AD535431	REJECTED - SURRENDER OF LEASE	
22/7/2008	AD815264	SUB-LEASE	
22/7/2008	AE97858	DEPARTMENTAL DEALING	EDITION 15
17/10/2008	AE274464	LEASE	EDITION 16
4/11/2008	AE297991	LEASE	
4/11/2008	AE297992	TRANSFER OF LEASE	EDITION 17
4/11/2008	AE307185	DEPARTMENTAL DEALING	EDITION 18
21/11/2008	AE340583	LEASE	EDITION 19
26/5/2009	AE706298	TRANSFER OF LEASE	EDITION 20
2/6/2009	AE721439	LEASE	EDITION 21
27/9/2010	AF783642	LEASE	EDITION 22
12/4/2011	AG93957	SURRENDER OF LEASE	
12/4/2011	AG93958	LEASE	EDITION 23
28/3/2012	AG865285	SUB-LEASE	
17/7/2012	AH115432	SURRENDER OF LEASE	
17/7/2012	AH115433	LEASE	EDITION 24
1/11/2013	AI102185	REQUEST	EDITION 25
1/4/2014	AI481860	TRANSFER OF LEASE	
1/4/2014	AI481861	VARIATION OF LEASE	EDITION 26
25/6/2014	AI685436	TRANSFER	
25/6/2014	AI685437	MORTGAGE	EDITION 27

END OF PAGE 2 - CONTINUED OVER

SEARCH DATE
9/1/2026 7:54AM

FOLIO: 2/744175 PAGE 3

Recorded	Number	Type of Instrument	C.T. Issue
11/12/2014	AJ110727	CAVEAT	
23/7/2015	AJ678022	DISCHARGE OF MORTGAGE	
23/7/2015	AJ678023	TRANSFER	
23/7/2015	AJ678024	MORTGAGE	EDITION 28
21/12/2016	AK862291	LEASE	
21/12/2016	AK862292	LEASE	EDITION 29
1/9/2018	AN678863	DEPARTMENTAL DEALING	EDITION 30 CORD ISSUED
7/7/2020	AQ215938	LEASE	EDITION 31 CORD ISSUED
13/9/2023	AT431055	REQUEST	
13/9/2023	AT431058	REQUEST	EDITION 32

*** END OF SEARCH ***

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Received: 09/01/2026 07:54:27

Req:R586268 /Doc:DL 2383042 /Rev:03-Dec-1997 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 15:54 /Seq:1 of 2
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RP33

Application to Reco

CHANGE OF

Real Property Act 1900
Crown Lands Consolidation Act 1
Western Lands Act 1901

Titles Office use only

2383042 Q

(A) **LAND**
Show no more than 20 References to Title.

1/744175, 2/744175, 3/772072, ~~4/772072 and 5/772072~~

(B) **REGISTERED DEALING**
If applicable.

Y875936 Y875937 L W781033 AC

(C) **LODGED BY**

L.T.O. Box	Name, Address or DX and Telephone
185T	CLAYTON UTZ.
	REFERENCE (max 15 characters): L-TOLTR.

(D) **REGISTERED PROPRIETOR**
whose name is to be changed.

H.F.C. FINANCIAL SERVICES LIMITED,
ACN 000 032 075

(E) **NEW NAME**
In full.

CN HOUSEHOLD FINANCIAL SERVICES LIMITED,
ACN 000 032 075

(F) I, the Registered Proprietor, apply to have my New Name recorded in the Register in respect of the above ~~Land~~/Registered Dealings.

(G) **STATUTORY DECLARATION BY THE APPLICANT**

I, *[New Name]* JOHN APPLETON, solemnly and sincerely declare that

1. I am ~~identical with the Registered Proprietor referred to above;~~ a responsible officer of the Registered Proprietor referred to above;
2. ~~On ..... 19 ..... at ..... in the State of ..... I married .....;~~
3. On 25th January 1990 the Registered Proprietor changed its name to Household Financial Services Limited and I annex to this application a copy of the Certificate of Incorporation on Change of Name.

I make this solemn declaration conscientiously believing the same to be true and by virtue of the Oaths Act 1900, and I certify this application correct for the purposes of the Real Property Act 1900.

Made and subscribed at SYDNEY in the State of NEW SOUTH WALES

on 8 July 19 96 in the presence of

Signature of Witness

PETER WILLIAM MERCULIEFF
Name of Witness (BLOCK LETTERS)

33 HARRIS ST. ST LEONARDS
Address and Qualification of Witness
SOLICITOR

Signature of Applicant

CHECKED BY (office use only)

Pet. 605 M

Req:R586268 /Doc:DL 2383042 /Rev:03-Dec-1997 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 15:54 /Seq:2 of 2
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

FILM
LUTH

NATIONAL COMPANIES AND SECURITIES COMMISSION

Annexure to Application to Record Change of Name dated 8 July 1996.

Companies (New South Wales) Code

(Sub-section 72(9))

PETER WADE MCMAHON

Registered No.:

016791-05

CERTIFICATE OF INCORPORATION ON CHANGE OF NAME OF COMPANY

This is to certify that

HFC FINANCIAL SERVICES LTD.

which was on the ninth day of March, 1936, incorporated under the Companies Act, 1899 as a public company, on the twenty-fifth day of January, 1990 changed its name to

HOUSEHOLD FINANCIAL SERVICES LIMITED.

and that the company is a public company, and is a company limited by shares.

Given under the seal of the National Companies and Securities Commission at Sydney on this twenty-fifth day of January, 19 90.

A person authorised by the
Corporate Affairs Commission of New South Wales
Delegate of the National Companies
and Securities Commission.

80819-36896

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 2/744175

SEARCH DATE	TIME	EDITION NO	DATE
9/1/2026	7:53 AM	32	13/9/2023

LAND

LOT 2 IN DEPOSITED PLAN 744175
AT ST LEONARDS
LOCAL GOVERNMENT AREA WILLOUGHBY
PARISH OF WILLOUGHBY COUNTY OF CUMBERLAND
TITLE DIAGRAM DP744175

FIRST SCHEDULE

AQUALAND ST LEONARD DEVELOPMENT PTY LTD (T AJ678023)

SECOND SCHEDULE (3 NOTIFICATIONS)

---

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AJ678024 MORTGAGE TO AUSTRALIA AND NEW ZEALAND BANKING GROUP LIMITED
3 AQ215938 LEASE TO J & T MATERIALS HANDLING PTY LTD OF SHOP 1, GROUND FLOOR, 33 HERBERT STREET, ST LEONARDS. EXPIRES: 31/10/2024.

NOTATIONS

UNREGISTERED DEALINGS: PE DP1322828.

*** END OF SEARCH ***

* Entries preceded by an asterisk do not appear on the former Certificate of Title abolished in 2021 or the current edition of Water Access Licence Certificate. Warning: the information appearing under notations has not been formally recorded in the Register.

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Received: 09/01/2026 07:53:35

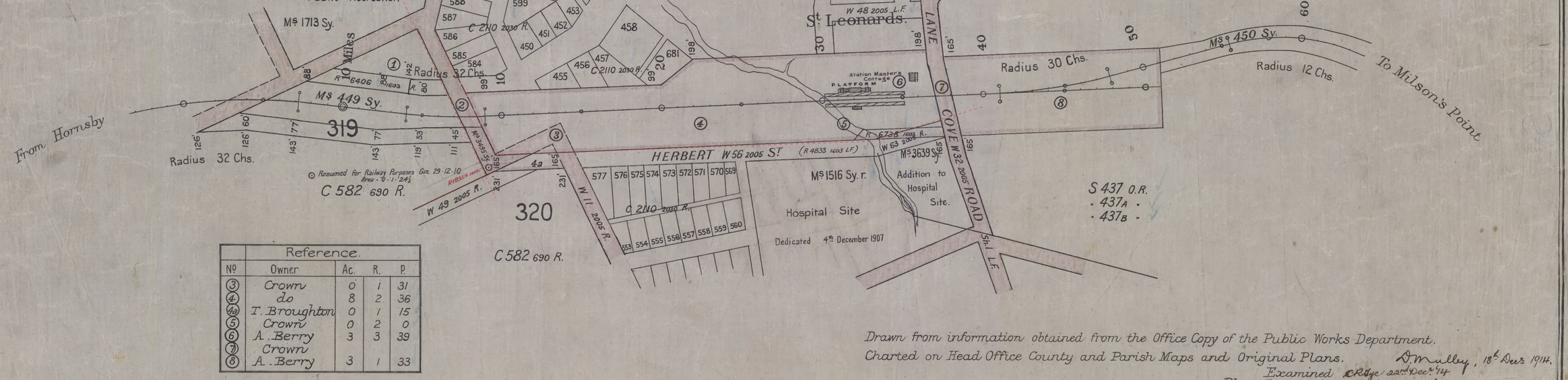
PLAN

of part of Railway from Pearce's Corner to St. Leonards

Parish of Willoughby - County of Cumberland

Scale - 4 Chains to an Inch.

Confirmation of Proclamation from 10m. 10ch. 0lks. to 10m. 37ch. 0lks. under Act 22 Vic. No 19 vide Gazette 6th August 1889, Vol. 397, Fol. 5299.
do do 10m. 37ch. 0lks to 10m. 51ch. 0lks. do do 24th September 1889, - 491, - 6680.
Plan C 582 690 Roll is with the Chief Surveyor and will not be issued.



Reference.				
No	Owner	Ac.	R.	P.
3	Crown	0	1	31
4	do	8	2	36
4a	T. Broughton	0	1	15
5	Crown	0	2	0
6	A. Berry	3	3	39
7	Crown			
8	A. Berry	3	1	33

Drawn from information obtained from the Office Copy of the Public Works Department.
Charted on Head Office County and Parish Maps and Original Plans. D. Mulley, 18th Decr 1914.
Examined C Rye 22nd Decr '14
Plan Examined C Rye 17th Decr 1914

Plan approved
Chief Draftsman
17 Dec 1914


PLAN MICROFILMED
NO ADDITIONS OR AMENDMENTS TO BE MADE

Ms 4440 Sy.

4440-3000

Req:R579732 /Doc:CP 04440-3000 P /Rev:01-Dec-2012 /NSW LRS /Prt:28-Jan-2026 20:40 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 & 37 Herbert

Req:R585523 /Doc:CP 00449-3000 P /Rev:20-Aug-2020 /NSW LRS /Prt:29-Jan-2026 15:05 /Seq:2 of 13
© Office of the Registrar-General /Src:InfoTrack /Ref:33 & 37 Herbert



InfoTrack
Req:R580216 /Doc:DP 0540203 P /Rev:29-Oct-1992 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:17 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

DP540203 DP540203

Form 1

OFFICE USE ONLY

DP 540203

PLAN OF PART OF THE LAND IN ~~C.T.VOL.10377 FOL.72 & CON. NO. 956 BK. 2661.~~ Appn. 7019 (C.T.VOL.1126 FOL.206) & former Crown Land acquired for the Pearces Corner to St Leonards Railway.

Mun./~~Shire/City~~: Willoughby

Town or Locality: ST LEONARDS

Parish: Willoughby

County: Cumberland Scale: 30 feet to 1 inch.

Registered: 4/3/1970

~~C.A.:~~

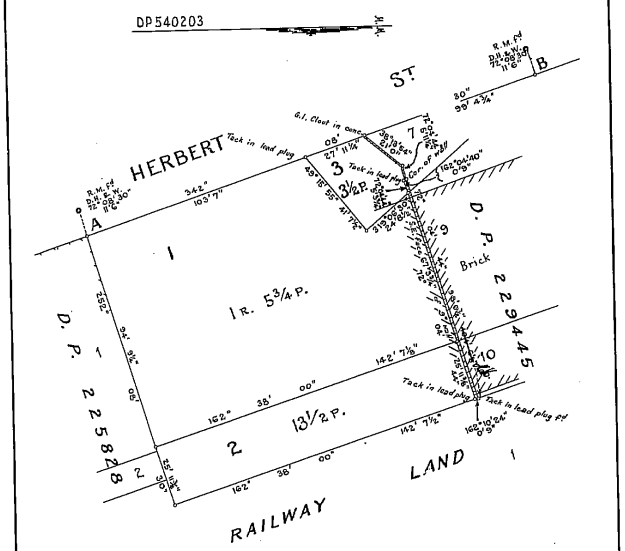
Title System: Torrens & Crown Land

Purpose: Lease

Ref. Map: Willoughby Sht 18 #

Last Plan: D.P. 229445

N-003-G-1-A



Signatures, Seals and Statements of intention to dedicate public roads or public reserves or create drainage reserves, easements, or restrictions as to user.

I, Mervyn Thomas Mildenhall of Survey Sec. Dept. of Railways N.S.W. a surveyor registered under the Surveyors Act, 1929, as amended, hereby certify that the survey represented in this plan is accurate and has been made (1) by me (2) ~~under my immediate supervision~~ in accordance with the Survey Practice Regulations, 1933, and was completed on 29-12-'69

Signature: M. Mildenhall

Surveyor registered under Surveyors Act, 1929, as amended.

Datum Line of Azimuth: AB

Approved by the Council and Certified in accordance with the provisions of Section 327 of the Local Government Act, 1919.

Date

Subdivision No.

Council Clerk

MPD

SURVEYOR'S REFERENCE → 176D/234

Dept. of Railways N.S.W. Pge.: 69/311034 R.E. Fb.: Misc. 5590 C.B.: 179/145

DP540203

CONVERSION TABLE ADDED IN REGISTRAR GENERAL'S DEPARTMENT

DP 540203

FEET	INCHES	METRES
-	9	0.229
5	3 3/4	1.619
5	11 1/4	1.810
11	6	3.505
21	-	6.401
24	8 1/2	7.581
25	11 3/8	7.909
27	11 1/4	9.515
41	7 1/2	12.687
67	3 3/4	20.517
94	9 1/4	28.886
98	6 7/8	30.045
99	4 3/4	30.296
103	7	31.572
142	7 1/8	43.463
142	7 1/2	43.472

AC	RD	P	SQ M
-	-	3 1/2	88.5
-	-	13 1/2	341.5
-	1	5 3/4	1157

I, Jack Hayward Watson, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 28th day of September, 1976.

Jack Watson

Req:R579730 /Doc:CP 03495-3000 P /Rev:27-Nov-2012 /NSW LRS /Prt:28-Jan-2026 20:38 /Seq:1 of 1
© Office of the Registrar-General /Src:InfoTrack /Ref:33 & 37 Herbert

MISCELLANEOUS BRANCH
01204 24 JAN 1911
LANDS DEPT

PLAN

Land tinted red Appropriated for Railway Purposes by the Chief Commissioner for Railways

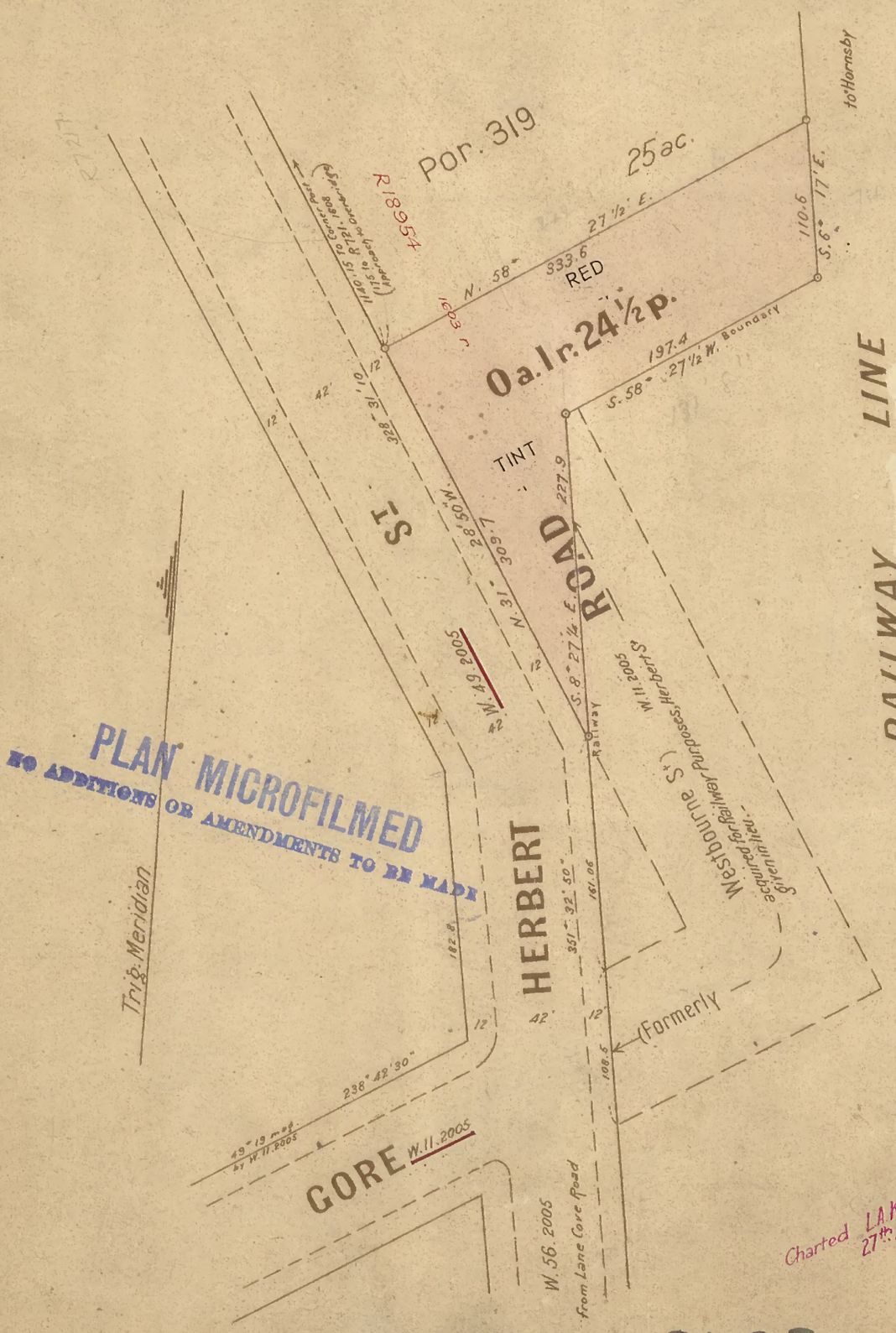
at ST LEONARDS

Parish of Willoughby; County of Cumberland.

Scale 1 chain to an inch

Resumed for Railway Purposes Gaz. 29th Dec. 1910.

(93) adopted in reference



Ms 3495 Sy.

3495 3000

Req:R580155 /Doc:CT 15492-157 CT /Rev:19-Jan-2011 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:02 /Seq:1 of 2
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

[redacted]IFICATE OF TITLE

15492157

NEW SOUTH WALES

[redacted]AL PROPERTY ACT, 1900

Vol. 15492 Fol. 157

First Title Old System

Prior Title Vol. 1126 Fol. 206

EDITION ISSUED 6 5 1987

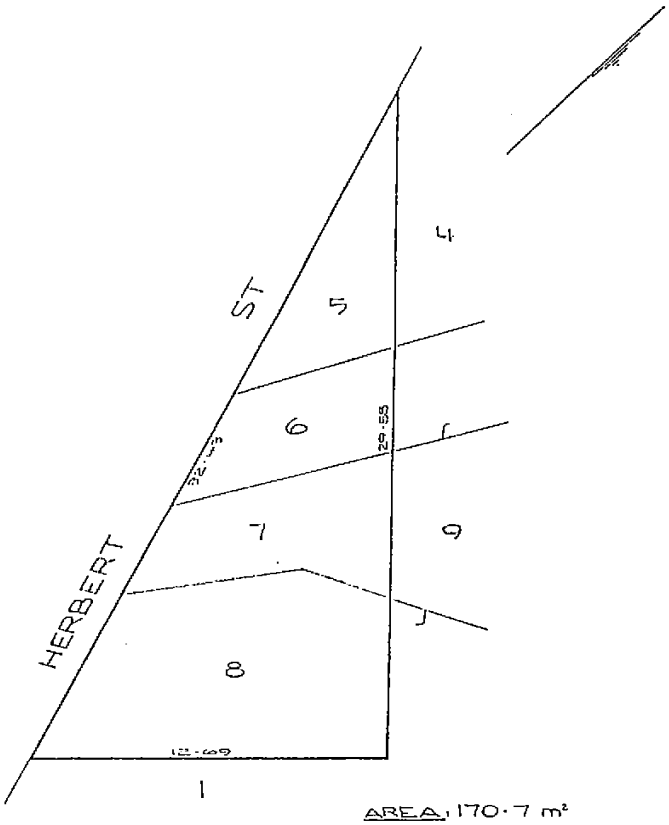
I certify that the person named in the First Schedule is the registered proprietor of an estate in fee simple (or such other estate or interest as is set out below) in the land described subject to the recordings appearing in the Second Schedule and to the provisions of the Real Property Act, 1900.

Registrar General.

(Page 1) Vol. 15492 Fol. 157

CANCELLED

PLAN SHOWING LOCATION OF LAND



LAND REFERRED TO

Lots 5, 6, 7 and 8 in DP229445 at St. Leonards in the Municipality of Willoughby Parish of Willoughby County of Cumberland.

FIRST SCHEDULE

STATE RAIL AUTHORITY OF NEW SOUTH WALES.

SECOND SCHEDULEL

1. Reservations and conditions in the Crown grant.
2. Q85947 Lease V345686 Lease to Rocava Pty. Limited of part being part of Lot 1 in DP450578. Expires 30-6-2075.

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

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

L.O. 55

Vol 15492 Fol 157

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR

Registrar General

DP/~~SP~~ 772072 Registered 4.1.1988
This folio is cancelled as to whole/~~part~~ upon creation of computer folios for lots 2, 3 in the abovementioned plan.

SECOND SCHEDULE (continued)

PARTICULARS

Registrar General

CANCELLATION

W781033 Lease to Scrap Metal Company of Australia Pty. Limited of part of Lot 1 in DP264604. Expires 30.9.2083. Registered 7.5.1987.

W781033 Lease W827926 Caveat by Lucas & Tait (Sales) Pty. Limited. Registered ~~7.5.1987.~~

W922960

W781033 Lease W922961 Transfer of Lease to Lucas & Tait (Sales Pty. Limited. Registered 24-6-1987.

W781033 Lease W922962 Mortgage to N.Z.I. Capital Corporation Limited. Registered 24-6-1987.

NOTATIONS AND UNREGISTERED DEALINGS

W781033 L.
— 34 Cd
W827926 X2
W922961 X2
W922962 X2
DP. 772072 A

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

Req:R580155 /Doc:CT 15492-157 CT /Rev:19-Jan-2011 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:02 /Seq:2 of 2
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

Req:R580396 /Doc:PA 047886 PA /Rev:22-Jun-2015 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:48 /Seq:1 of
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

4/886
47886 APPLICATION FOR CERTIFICATE OF TITLE FOR RESUMED LAND.

this being a Crown Instrument is not liable to Stamp Duty.
Solicitor for Railways

REAL PROPERTY ACT, 1900 SECTION 31A.

Lodgt $10.00
28/10/70.

THE COMMISSIONER FOR RAILWAYS a body corporate created under or by virtue of the Transport (Division of Functions) Act, 1932 hereby certifies that a Notification of Resumption, a copy of which is set out hereunder, appeared in Government Gazette Number 140 of the Twenty third day of December One thousand nine hundred and sixty-six Folio 5223 and the said THE COMMISSIONER FOR RAILWAYS hereby applies to the Registrar General for a Certificate of Title and certifies this application to be correct for the purposes of the said Act.

NOTIFICATION OF APPROPRIATION AND RESUMPTION OF LAND FOR RAILWAY PURPOSES UNDER THE MINISTRY OF TRANSPORT ACT, 1932, AND THE PUBLIC WORKS ACT, 1912, AS RESPECTIVELY AMENDED.

WHEREAS the Commissioner for Railways is desirous of acquiring the land referred to in the Schedule hereto for the purpose of confirming his title to such land which was acquired and has been used in connection with the authorized line of railway from Hornsby to Milson's Point; and whereas the said land is, in my opinion, required: Now, therefore, I, the Governor, with the advice of the Executive Council, in pursuance of the Ministry of Transport Act, 1932, and Public Works Act, 1912, as respectively amended, do hereby direct that the said land may be acquired and taken for the purpose aforesaid; and I do declare by this notification to be published in the Government Gazette and in one or more newspapers published or circulated in the Police District wherein the said land is situated that the land referred to in the Schedule hereto is hereby appropriated and resumed for the purpose hereinbefore referred to.

Cyprus wire 2 page lte 11.12.70

SCHEDULE

All that parcel of land situate at St Leonards in the Parish of Willoughby County of Cumberland Municipality of Willoughby and State of New South Wales being lot 1 Deposited Plan 229,445 and being approximately 7 acres 3 roods 30¾ perches in area.

Signed at Sydney, this twenty-third day of November, 1966.

A. R. CUTLER, Governor.

By His Excellency's Command,

M. A. MORRIS, Minister for Transport.

(3607) GOD SAVE THE QUEEN!

DATED the 9th day of October 1970.

The Common Seal of THE COMMISSIONER FOR RAILWAYS hath been hereunto duly affixed in the presence of:-

for Secretary for Railways.

CORRECT
Asst. Solicitor for Railways

Cert. of T., issued 11509 Fol. 11
Dated 27 JAN 1971

Req:R580396 /Doc:PA 047886 PA /Rev:22-Jun-2015 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:48 /Seq:2 of
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

47886

Lot 1 DP 229447

SOLICITOR FOR RAILWAYS
19 YORK STREET,
SYDNEY.
BX 1021.

Government Gazette

OF THE STATE OF

NEW SOUTH WALES.

PUBLISHED BY AUTHORITY.

[REGISTERED AT THE GENERAL POST OFFICE, SYDNEY, FOR TRANSMISSION BY POST AS A NEWSPAPER.]

No. 193.] THURSDAY, 29 DECEMBER. [1910.

NOTIFICATION OF APPROPRIATION OF LAND FOR RAILWAY PURPOSES UNDER THE "PUBLIC WORKS ACT, 1900."

PROCLAMATION

NEW SOUTH WALES, to wit. } By His Excellency The Right Honourable FREDERIC JOHN NAPIER, BARON CHELMSFORD, Knight Commander of the Most Distinguished Order of Saint Michael and Saint George, Governor of the State of New South Wales and its Dependencies, in the Commonwealth of Australia.

(L.S.)

CHELMSFORD, *Governor.*

WHEREAS the Chief Commissioner for Railways and Tramways of New South Wales is desirous of acquiring the land referred to in the Schedule hereto for the purpose of improving the traffic at St. Leonards, which work appears to the Chief Commissioner necessary, and is such work as the Chief Commissioner is authorised to carry out pursuant to the "Government Railways Act, 1901," as amended by the "Railway Commissioners Appointment Act, 1906," and it is estimated that the cost of completing such work will not exceed the sum of £20,000: And whereas the said land is, in my opinion, required for carrying out the said work: Now, therefore, I, the Governor aforesaid, with the advice of the Executive Council, in pursuance of the "Public Works Act, 1900," do hereby direct that the said work shall be carried out under the "Public Works Act, 1900," by the said Chief Commissioner, who, in respect of the said work, I hereby declare shall be deemed to be the Constructing Authority: And in further pursuance of the provisions of the said Act, I do hereby direct that the said land may be acquired and taken for the purposes aforesaid under the provisions contained in Division 1 of Part V of the said Act, and I do declare by this notification to be published in the Government Gazette, and in one or more newspapers published or circulated in the Police District wherein the said land is situated, that the Crown Lands comprised within the descriptions set forth in the Schedule hereto have been appropriated for the public purpose hereinbefore expressed, that is to say, improving the traffic at St. Leonards, to the intent that upon the publication of this notification in the Gazette the said land described in the Schedule hereto shall forthwith be vested in the said Constructing Authority on behalf of His Majesty, for the purposes of the said "Public Works Act, 1900," for an estate in fee-simple in possession freed and discharged from all trusts, obligations, estates, interests, contracts, charges, rates, rights-of-way, or other easements whatsoever, and to the intent that the legal estate therein, together with all powers *incident thereto, or conferred* by that Act, shall be vested in such Constructing Authority as a Trustee: And I declare that the following is the Schedule of land hereinbefore referred to:—

SCHEDULE.

All that piece of land situate at St. Leonards in the parish of Willoughby county of Cumberland and State of New South Wales being part of Gore Road formerly known as Westbourne-street Commencing at the intersection of the south-eastern boundary of portion 319 of 25 acres with the north-eastern side of Herbert-street thence bounded on the north-west by part of the south-eastern boundary of that portion bearing N 58° 27¼′ E 333 $\frac{6}{10}$ links thence on the east south-east and again on the east by part of the western boundary of railway land bearing S 6° 17′ E 110 $\frac{6}{10}$ links S 58° 27¼′ W 197 $\frac{4}{10}$ links and S 8° 27¼′ W 227 $\frac{9}{10}$ links and thence on the south-west by part of the north-eastern side of Herbert-street aforesaid bearing N 31° 28¾′ W 309 $\frac{7}{10}$ links to the point of commencement and containing about 1 rood 24¼ perches.

In witness whereof I have hereunto set my Hand, and caused the Public Seal of the State to be hereto affixed, at Sydney, this twentieth day of December, in the year of our Lord one thousand nine hundred and ten, and in the first year of His Majesty's Reign.

By His Excellency's Command,

JAS. S. McGOWEN.

[4354] GOD SAVE THE KING!

National Library of Australia http://nla.gov.au/nla.news-page13696712

Req:R580154 /Doc:CT 11509-011 CT /Rev:10-Jan-2011 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:02 /Seq:1 of 4
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

[redacted]

CATE OF TITLE

NEW SOUTH WALES

[redacted]ERTY ACT, 1900, as amended.

Vol. 11509 Fol. 11

Edition issued 25-1-1971

Appl. No. 17886

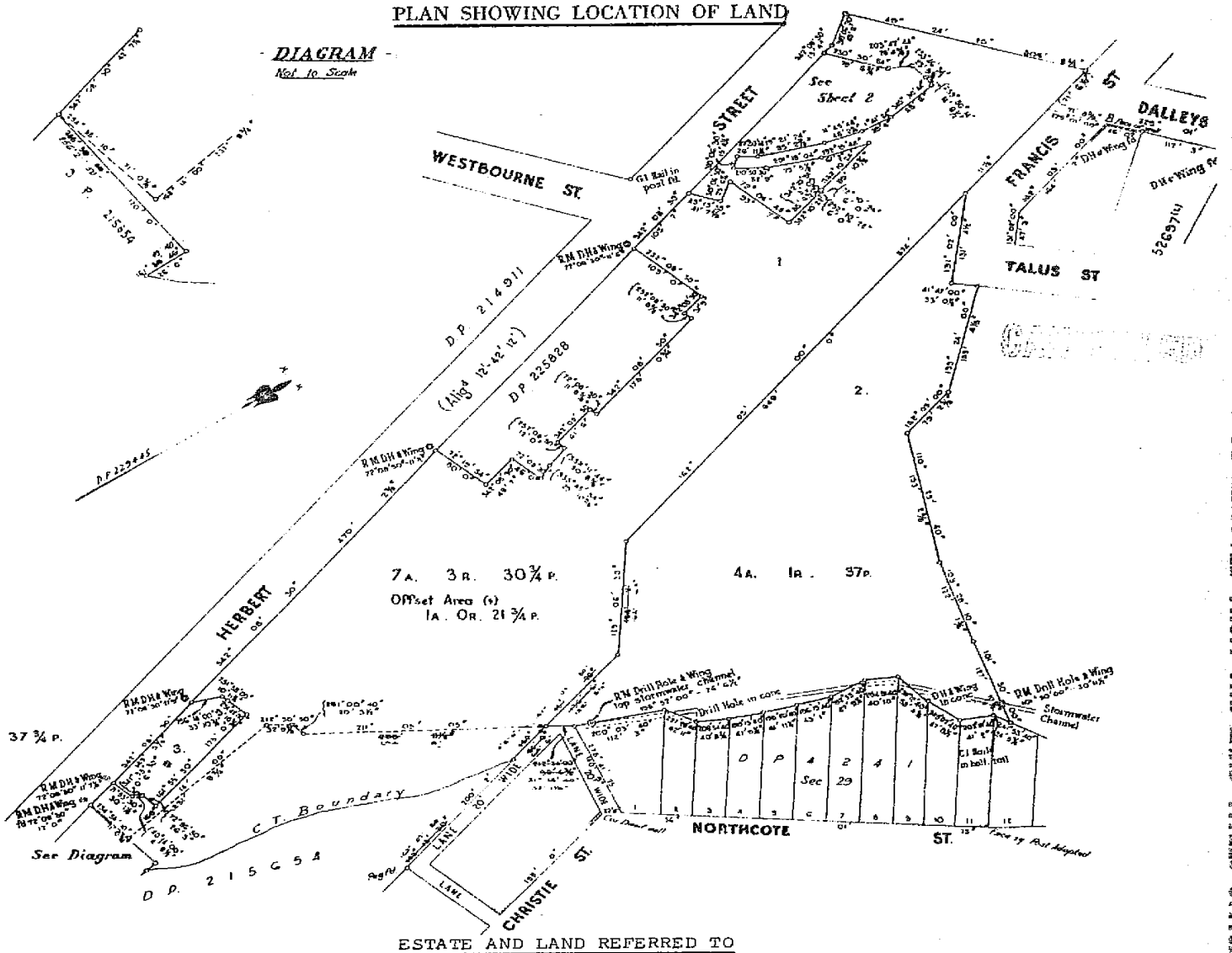
I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

Witness J Barnes

Registrar General.

PLAN SHOWING LOCATION OF LAND

- DIAGRAM -
Not to Scale



ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 1 in Deposited Plan 229445 at St.Leonards in the Municipality of Willoughby Parish of Willoughby and County of Cumberland being land for which no Crown Grant has issued. EXCEPTING THEREOUT the minerals specified in Section 141 of the Public Works Act, 1912.

FIRST SCHEDULE

~~THE COMMISSIONER FOR RAILWAYS.~~

SECOND SCHEDULE

~~NIL.~~

1. Lease No. M130508 of part of the land above described being lot 2 in Deposited Plan 239996 (together with Rights of Carriageway) to Frank Dalandro (Properties) Pty. Limited. Entered 18-2-1971.

Registrar General.

1962 M7500

Reg. G... 27.12...

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

(Page 1) Vol. 11509 Fol. 11

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

Vol. 11509 Fol 11

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	ENTERED	Signature of Registrar-General
~~Public Transport Commission of New South Wales~~ State Rail Authority of New South Wales by Application W 781032. Registered 10-4-1987	Transfer Request	P65193	1-6-1976	13-11-1976	

SECOND SCHEDULE (continued)

INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	PARTICULARS	ENTERED	Signature of Registrar-General	CANCELLATION		
Lease	M332543	26-3-1971	The premises being lots 1 & 2 in D.P. 540203 and part of Lot 2 in D.P. 540203 to Chilton Investments Pty Limited	21-7-1971		~~Lease~~ Surrendered	P65194	
Lease	Q85947		of part being Lot 2 and part of Lot 1 on plan lodged with Lease Q85947 to Bundara Nominees Pty Limited (Expiry Date 30-6-2075	2-6-1977				
~~Lease~~	Q85947		~~Affected by Q882029 Mortgage to Bank of New South Wales~~					
~~Lease~~ Mortgage	~~Q85947 Q882029~~		No memorial of Mortgage of Lease Q882029 has been entered on the duplicate of the Mortgage of Lease Production of which has been dispensed with	23-10-1978		Discharged	T73691 T73697	
~~Lease~~	~~Q85947~~		~~Affected by~~ R542700 Caveat by Rocava Pty Limited.	23-10-1978		Discharged	T73696 T73697	
Lease	R678471		~~of part being lots 2, 4, 5 and 7 in D.P. 255231 to Scrap Metal Company of Australia Pty. Limited. Expires 31-7-2001.~~	27-11-1979		Lapsed	S935337	
Q85947 Lease Lapsed	S999481	Caveat by Sabemo Pty	Registered 19-5-1982	17-4-1980		Memorandum	W781031	
						Withdrawn	V378444	

Q85947 Lease. V345686 Transfer of Lease. Lessee now Rocava Pty Limited. Registered 25-10-1984.

(Page 2 of 2 pages)

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

Req:R580154 /Doc:CT 11509-011 CT /Rev:10-Jan-2011 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:02 /Seq:2 of 4
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

Req:R580154 /Doc:CT 11509-011 CT /Rev:10-Jan-2011 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:02 /Seq:3 of 4
© Office of the Registrar-General /Src:InfoTrack /Ref:33 ? 37 Herbert

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	Registrar General
DP/SP [illegible] Registered 4.1.1958 This folio is cancelled as to whole/part upon creation of computer folios for lots 1, 2, 3, 4 in the abovementioned plan.	

SECOND SCHEDULE (continued)

PARTICULARS	Registrar General	CANCELLATION
W781033 Lease to Scrap Metal Company of Australia Pty. Limited of Lot 4 in DP264604 and part of Lot 1, 5, 6 in DP264604. Expires 30.9.2083. Registered 7.5.1987.		
~~W781033 Lease W827926 Caveat by Lucas & Tait (Sales) Pty. Limited. Registered 7.5.1987.~~		W922960
W781033 Lease W922961 Transfer of Lease to Lucas & Tait (Sales Pty Limited Registered 24-6-1987.		
W781033 Lease W922962 Mortgage to N.Z.I. Capital Corporation Limited Registered 24-6-1987.		
M130508 Lease P423431 Transfer of Lease to Alto Ford (St. Leonards) Pty. Limited. Registered 24-10-1974.		
~~M130508 Lease P423500 mortgage of lease to Ford Sales Company of Australia Limited Registered 20.2.1974.~~		X127420
M130508 Lease 870371 Mortgage of Lease to A.G.C. (Advances) Limited. Registered 25-1-1977.		
~~M130508 Lease 870376 mortgage of Lease to Ford Sales company of Australia Limited. Registered 25-1-1977.~~		X127419

FOLIO CANCELLED - NEW FOLIO IS .....1.....

~~DP/SP Registered~~
~~This folio is cancelled as to whole/part upon creation of computer folios for lots ... in the abovementioned plan.~~

NOTATIONS AND UNREGISTERED DEALINGS

X127419 (M130508) X127420 (M130508) DP777207

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

RG2/70

ZPZOPNZP ZPZ20

Vol. 11509 Fol. 11

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	Registrar General

SECOND SCHEDULE (continued)

PARTICULARS	Registrar General	CANCELLATION

NOTATIONS AND UNREGISTERED DEALINGS

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

Req:R580154 /Doc:CT 11509-011 CT /Rev:10-Jan-2011 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 08:02 /Seq:4 of 4
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Req:R586126 /Doc:PA 060780 PA /Rev:02-Jul-2003 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 15:40 /Seq:1 of 4
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PA 060780 D

OFFICE OF STATE REVENUE (N.S.W. TREASURY) 1988/89 $5 D NEW SOUTH WALES STAMP DUTY CHIEF

$10

PRIMARY APPLICATION

SECTION 14, REAL PROPERTY ACT, 1900

$70.00

Typewriting and handwriting should be clear, legible and in permanent black non-copying ink. No alterations should be made by erasure; the words rejected must be ruled through and verified by signature or initials in the margin.

CAUTION.—Severe penalties are provided by the Crimes Act, 1900, and the Real Property Act, 1900, for procuring a certificate of title through fraud.

(a) Full name and postal address of person or corporation entitled to the land.

If a person is entitled, the occupation should also be stated.

(a) STATE RAIL AUTHORITY OF NEW SOUTH WALES

herein referred to as the APPLICANT

hereby applies to have the undermentioned land brought under the provisions of the Real Property Act, 1900

(b) Give an adequate description of the land, e.g. "Lot ___ in Deposited Plan ____". If an appurtenant easement is claimed, the deed creating it should be disclosed and an adequate description of its location should be given; its location should also be shown on the plan.

The application should be accompanied by a plan of survey unless the Registrar General has previously dispensed therewith. A plan is not normally required where the application relates to land in a qualified certificate of title; in such case it will be sufficient to describe the land by reference to the volume and folio number of the qualified certificate of title.

(c) Delete whichever is inapplicable.

(d) Insert reference to portion or allotment, or if none, to number of acres granted.

(e) Name of grantee.

All that piece of land situated at St Leonards in the County of Cumberland Parish of Willoughby being(b) that part of the land comprised in Folio Identifiers 3 ~~and 4~~/772072 which was formerly comprised in the land described in Conveyance Registered Book 2681 No. 956.

(Pts. LOT 3 in D.P. 772072) formerly comprised in BK. 2681 No. 956

Lot 4 DP. 772072 Soley R.P. land Folio text for amendment

~~and being the whole(c) part of(d)~~ PT. POR. 320 THOMAS BAKER 19-11-1794 ~~granted to(e)~~

~~by Crown grant dated the day of~~

and requests that the certificate of title issue in the name of

(f) If the certificate of title is required to issue in favour of the applicant, insert "the applicant"; otherwise here insert the full name of the person or corporation in whose name the certificate of title is to issue. In the case of a person, the full postal address and occupation should also be stated.

If more than one nominee, state whether as joint tenants or tenants in common.

Unless otherwise stated, tenants in common will be presumed to hold in equal shares.

(f) STATE RAIL AUTHORITY OF NEW SOUTH WALES

and in support of this application I/~~We~~(g) LANCELOT JOSEPH BONE of 11-31 York Street, Sydney in the State of New South Wales, Acting Chief Property Manager

(g) Full name, address and occupation of declarant.

solemnly and sincerely declare that—

(b) If a lesser estate, alter accordingly.

1. The applicant is seised for an estate in fee simple(b) of the abovedescribed land.

(i) Delete whichever is inapplicable.

2. There is no person in possession or occupation of the said land or any part thereof adversely to the estate or interest therein of the applicant.

3. The said land is now (i) occupied by the persons specified in the First Schedule as occupiers. ~~unoccupied.~~

4. There does not exist any lease or agreement for lease of the said land for any term exceeding a tenancy for one year, or from year to year, except as set out in the First Schedule.

5. There does not exist any right of way, right of drainage or other easement or any restrictive covenant affecting the said land, except as disclosed in the First Schedule. and in the second schedule of Folio Identifiers 3 and 4/772072.

(j) Should any transaction affecting the land in this application be entered into or any alterations in the buildings or fences be made subsequent to the date of the application, but prior to the issue of the certificate of title, the Registrar General should be informed immediately, and all documents evidencing such transaction should be lodged.

6. There does not exist any mortgage, lien, writ of execution, order, charge, encumbrance, will, settlement, deed, writing, contract, or dealing giving any right, claim or interest in the said land, or any part thereof, to any person other than the applicant except as set out in the First Schedule; nor, to the best of my knowledge and belief, is there any action, proceeding or suit pending which affects or could affect the said land, or any person other than the applicant who has or claims any estate, right, title or interest therein, except as disclosed in the First Schedule.(j)

7. There is no resumption or instrument whereby minerals or substrata have been excepted or reserved to any person, except as disclosed in the First Schedule.

(k) The declaration may be qualified, e.g. by inserting the words "commencing with conveyance dated ____ registered Book ____ No. ____" or as the case may be. See also notes on back page hereof.

8. The Second Schedule contains a full and correct list(k)

of all settlements, deeds, documents, instruments, maps, plans and papers relating to the said land so far as I have any means of ascertaining them. All such documents as are in my possession or under my control are lodged herewith; the whereabouts of all other documents listed, so far as is known to me, is stated in such list.

ST 4992 K 1377

9. The applicant has not become bankrupt or assigned his estate for the benefit of creditors.

Req:R586126 /Doc:PA 060780 PA /Rev:02-Jul-2003 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 15:40 /Seq:2 of 4
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10. The information shown in the Schedule [illegible]

~~11. I have been authorised by power of attorney dated the day of 19 to make this application on behalf of the applicant, and I have received no notice of revocation of such authority.~~(l)

(l) Delete this clause if inapplicable. The relevant power of attorney or other such authority should be lodged with the application.

I make this solemn declaration conscientiously believing the same to be true and by virtue of the Oaths Act, 1900,(m) and certify this application to be correct for the purposes of the Real Property Act, 1900,(n) and I hereby undertake to notify the Registrar General promptly of any further interest in the said land created after the making of this my declaration and before issue of the certificate of title.

(m) If made outside N.S.W., strike out Oaths Act, 1900 and insert reference to local Act.

(n) Any person falsely or negligently certifying is liable to the penalties provided by section 117 of the Real Property Act, 1900.

Made and subscribed at SYDNEY the Third day of August, 1988.

in the presence of

A. Parszos
Signature of witness

ALAN PARSZOS.
Name of witness (BLOCK LETTERS)

SOLICITOR
Qualification of witness

L. J. Bone.
Applicant, or authorised agent of applicant(o)

(o) This application is a statutory declaration and must be made before a prescribed functionary. Attention is drawn to the penalties provided by law for any false statement therein.

~~CONSENT OF MORTGAGEE~~

, being the mortgagee under mortgage registered Book Number , hereby joins in and consents ~~to this application~~ subject to:—

(i) registration of a mortgage under the Real Property Act, 1900 in substitution for such mortgage, OR(p) entry on the certificate of title to issue of a notification relating to such mortgage, AND

(ii) delivery to me of the certificate of title.

(p) Delete whichever is inapplicable.

Witness *Mortgagee*

FIRST SCHEDULE

PARTICULARS OF SUBSISTING INTERESTS (LEASES, EASEMENTS, MORTGAGES AND OTHER MATTERS REFERRED TO IN CLAUSES 3 TO 7 INCLUSIVE OF DECLARATION)

Full name and address (of occupier, lessee, mortgagee, etc.)	Nature of entitlement ("occupier", "lessee", "mortgagee", etc.)	Particulars of instrument (if any) by which entitlement created(q)
LUCAS & TAIT (SALES) PTY LIMITED of 100 William Street, Sydney	Lessee	by Lease Registered No. W781033 the Lessee occupies the whole of the land for a term of ninety nine years expiring 30th September 2083.
LUCAS & TAIT (SALES) PTY LIMITED	Lessee	by lease registered X581206 for part Lot 6 in DP264604.
AND any encumberances disclosed in the second schedules of Folios 3 and 4/772072.		

(q) Where the whole or any part of the land is occupied by a tenant state also the nature and duration of the tenancy.

ST 4992 K 1377

Req:R586126 /Doc:PA 060780 PA /Rev:02-Jul-2003 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 15:40 /Seq:3 of 4
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(See notes on back page hereof)

DOCUMENTS REFERRED TO IN CLAUSE 8 OF DECLARATION

To be completed by declarant

Documents Nos. 2, 3 & 4 & 5 hereunder LODGED HEREWITH

Documents Nos. 1 hereunder WHEREABOUTS UNKNOWN

Documents Nos. ~~X~~ hereunder ~~PERMANENTLY~~ LODGED ~~with Land Titles Office with DP776500.~~ ~~Receipt Nos.~~

Documents Nos. hereunder TO BE LODGED BY:

No.	Date	Nature of document	Parties	Registration Book	Registration No.	FOR OFFICE USE ONLY By whom produced
1.	9.04.1953	Conveyance	John Clark Reynolds to Victor Moss Smith and George Eric Roden	2250	976	
2.	16.12.1963	Conveyance	Victor Moss Smith and George Eric Roden to The Commissioner for Railways	2681	956	
3.	12.01.1988	Certificate of Title	State Rail Authority of New South Wales	Folio Identifier 4/772072		
4.	12.01.1988	" "	State Rail Authority of New South Wales	Folio Identifier 3/772072		
5.	17.06.1988	Title Search	by J.F. Gale & Lenehan			

270 A

Docs 2 & 5 to Malbon Stephen Jacques 4 13.

If space is insufficient, add annexure sheet(s)

ST 4992 K 1372

Req:R586126 /Doc:PA 060780 PA /Rev:02-Jul-2003 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 15:40 /Seq:4 of 4
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DEPARTMENTAL USE ONLY	TO BE COMPLETED BY LODGING PARTY
PRIMARY APPLICATION 60780	Lodged by Mallesons Stephen Jaques Address: AMP Centre, 50 Bridge DX No. Phone No.: 41J 250 800 SMW

(D.P. 772072)

DEPARTMENTAL USE ONLY

NOTES

Documents to be scheduled

Where an applicant claims an estate in fee simple by virtue of a documentary title the Second Schedule should commence with a good root of title at least thirty years old or with a later deed which has already been accepted by the Registrar General in an earlier application. Clause 8 of the declaration should be suitably amended.

Where the applicant claims title by possession the devolution of the documentary title of the person(s) against whom possession is asserted should be shown in the Second Schedule.

Where the applicant claims the benefit of an appurtenant easement the Second Schedule should contain a reference to:

* the deed by which the grantor of the easement acquired title to the servient tenement, and

* the deed by which the easement was created.

The applicant will be required to establish (e.g. by searches) that the easement has not been determined by surrender, union of tenements or otherwise.

Documents to be lodged

Upon lodgment the application should be accompanied by:

* all deeds and other documents evidencing the devolution of title from the abovementioned commencing point;

  Deeds and other documents which relate to the period prior to the selected commencing point should not be scheduled in or lodged with this application but should be retained in case their subsequent production should be required.

* any abstract(s) of title in the applicant's possession covering the relevant period; and

* searches showing the result of searches in the general register of deeds, the register of causes, writs and orders, the register of resumptions and the bankruptcy registers.

Searches

The searches obtained when the applicant or a predecessor in title acquired the land in the application will suffice provided that they commence with a good root of title at least thirty years old or with a later deed already accepted by the Registrar General in an earlier application and, in either case, have been brought up to date or to a recent date. In the case of an application based on possession the searches should show not only the devolution of the documentary title (which in most cases will need to be traced from the Crown grant) but also the result of searches against the applicant and his predecessors in possession.

Applicants based upon possession

There is available upon request at the Examiners Branch a departmental circular containing directions for the guidance of applicants who claim title by possession.

Destruction of documents lodged with the application

Upon the issue of the certificate of title the Registrar General will as a general rule destroy those documents which exclusively affect the land in the application (and which accordingly will be totally cancelled pursuant to Section 29 (2), Real Property Act, 1900). However, documents which would otherwise be destroyed may be returned upon request to interested persons. The request (in writing) should specify the documents to be returned and should be made before the processing of the application has been completed.

ST 4992 K 1977 D1 WEST. GOVERNMENT PRINTER

LAND REGISTRY SERVICES Historical Search

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
9/1/2026 7:54AM

FOLIO: 3/772072

First Title(s): OLD SYSTEM
Prior Title(s): VOL 11509 FOL 11 VOL 15492 FOL 157
CA26741

Recorded	Number	Type of Instrument	C.T. Issue
12/1/1988	CA26741	CONVERSION ACTION	FOLIO CREATED EDITION 1
15/6/1988	X581206	LEASE	EDITION 2
16/11/1988	PA60780	PRIMARY APPLICATION	EDITION 3
13/6/1990	Y875936	LEASE	EDITION 4
13/6/1990	Y875937	LEASE	
19/7/1993	I436520	SUB-LEASE	EDITION 5
29/6/1994	U396476	TRANSFER	
29/6/1994	U396477	MORTGAGE	EDITION 6
15/8/1996	2383042	CHANGE OF NAME	
15/8/1996	2383043	VARIATION OF LEASE	
15/8/1996	2383044	VARIATION OF LEASE	EDITION 7
13/2/1998	3695160	SURRENDER OF LEASE	
13/2/1998	3695161	REQUEST	
13/2/1998	3796987	DEPARTMENTAL DEALING	
13/2/1998	3695162	LEASE	EDITION 8
20/5/1998	3969526	LEASE	EDITION 9
23/7/1998	5147406	CAVEAT	
13/11/1998	5393473	TRANSFER BY MORTGAGEE UNDER POWER OF SALE	EDITION 10
30/4/1999	5783925	MORTGAGE	EDITION 11
12/4/2000	6632617	SURRENDER OF LEASE	
12/4/2000	6632618	VARIATION OF LEASE	
12/4/2000	6632619	TRANSFER OF LEASE	
15/5/2000	6715564	LEASE	EDITION 12

END OF PAGE 1 - CONTINUED OVER

Recorded	Number	Type of Instrument	C.T. Issue
8/6/2000	6848662	LEASE	EDITION 13
31/8/2000	7040874	APPLICATION	
31/8/2000	7040875	TRANSFER	EDITION 14
11/10/2001	8015803	DISCHARGE OF MORTGAGE	EDITION 15
7/2/2002	8340674	CAVEAT	
11/8/2003	9867615	WITHDRAWAL OF CAVEAT	
11/8/2003	9571266	LEASE	EDITION 16
3/2/2004	AA280661	LEASE	EDITION 17
1/3/2004	AA457406	CAVEAT	
6/9/2004	AA829597	LEASE	
6/9/2004	AA829598	TRANSFER	EDITION 18
25/10/2007	AC885410	LEASE	
16/7/2008	AC805514	REJECTED - LEASE	
16/7/2008	AD535431	REJECTED - SURRENDER OF LEASE	
22/7/2008	AD815264	SUB-LEASE	
22/7/2008	AE97858	DEPARTMENTAL DEALING	EDITION 19
17/10/2008	AE274464	LEASE	EDITION 20
4/11/2008	AE297991	LEASE	
4/11/2008	AE297992	TRANSFER OF LEASE	EDITION 21
4/11/2008	AE307185	DEPARTMENTAL DEALING	EDITION 22
21/11/2008	AE340583	LEASE	EDITION 23
26/5/2009	AE706298	TRANSFER OF LEASE	EDITION 24
2/6/2009	AE721439	LEASE	EDITION 25
27/9/2010	AF783642	LEASE	EDITION 26
12/4/2011	AG93957	SURRENDER OF LEASE	
12/4/2011	AG93958	LEASE	EDITION 27

END OF PAGE 2 - CONTINUED OVER

SEARCH DATE
9/1/2026 7:54AM

FOLIO: 3/772072 PAGE 3

Recorded	Number	Type of Instrument	C.T. Issue
28/3/2012	AG865285	SUB-LEASE	
17/7/2012	AH115432	SURRENDER OF LEASE	
17/7/2012	AH115433	LEASE	EDITION 28
19/12/2012	AH449493	DEPARTMENTAL DEALING	
26/3/2013	AH629456	DEPARTMENTAL DEALING	
1/11/2013	AI102185	REQUEST	EDITION 29
1/4/2014	AI481860	TRANSFER OF LEASE	
1/4/2014	AI481861	VARIATION OF LEASE	EDITION 30
25/6/2014	AI685436	TRANSFER	
25/6/2014	AI685437	MORTGAGE	EDITION 31
11/12/2014	AJ110727	CAVEAT	
23/7/2015	AJ678022	DISCHARGE OF MORTGAGE	
23/7/2015	AJ678023	TRANSFER	
23/7/2015	AJ678024	MORTGAGE	EDITION 32
21/12/2016	AK862291	LEASE	
21/12/2016	AK862292	LEASE	EDITION 33
28/2/2017	AK971351	LEASE	
28/2/2017	AK971352	SUB-LEASE	
28/2/2017	AK971502	MORTGAGE OF LEASE	
28/2/2017	AK971571	CHANGE OF NAME	
28/2/2017	AM120238	DEPARTMENTAL DEALING	
1/9/2018	AN678863	DEPARTMENTAL DEALING	EDITION 34 CORD ISSUED
7/7/2020	AQ215938	LEASE	EDITION 35 CORD ISSUED
13/9/2023	AT431055	REQUEST	
13/9/2023	AT431058	REQUEST	EDITION 36

*** END OF SEARCH ***

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Received: 09/01/2026 07:54:28

Req:R586122 /Doc:DL U396476 /Rev:24-Mar-2010 /NSW LRS /Pgs:ALL /Prt:29-Jan-2026 15:40 /Seq:1 of 1
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RP13

TRANSFER

Real Property Act, 1900

U 396476 G

Office of State Revenue use only

OFFICE OF STATE REVENUE P28
STAMP DUTY 1992/93
DUTY $ 2- 1ST REC Nº 200 667201

(A) LAND TRANSFERRED

Show no more than 20 References to Title.
If appropriate, specify the share transferred.

1. Folio Identifier 3/772072

(B) LODGED BY

L.T.O. Box	Name, Address or DX and Telephone
605m	LEGALITIES PTY. LIMITED DX 725 SYDNEY PH: 221 8866 REFERENCE (max. 15 characters): KSC : Jane

(C) TRANSFEROR STATE RAIL AUTHORITY OF NEW SOUTH WALES

(D) acknowledges receipt of the consideration of $3,500,000.00

and as regards the land specified above transfers to the transferee an estate in fee simple

(E) subject to the following **ENCUMBRANCES** 1. W781033 2. X581206 3. .....

(F) TRANSFEREE

T LUCAS & TAIT (SALES) PTY LIMITED ACN 000 476 791

(G) as joint tenants/tenants in common

(H) We certify this dealing correct for the purposes of the Real Property Act, 1900. **DATE** 24.6.94

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

Alfred Rainer
Signature of Witness

ALFRED RAINER
Name of Witness (BLOCK LETTERS)

11-31 YORK ST. SYDNEY
Address of Witness

AUTHORISED OFFICER
Signature of Transferor

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

.....
Signature of Witness

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

.....
Address of Witness

R C Barnes
Solicitor for ~~Signature of~~ Transferee

☞ INSTRUCTIONS FOR FILLING OUT THIS FORM ARE AVAILABLE FROM THE LAND TITLES OFFICE

CHECKED BY (office use only)

LAND REGISTRY SERVICES

Title Search

InfoTrack

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 3/772072

SEARCH DATE	TIME	EDITION NO	DATE
9/1/2026	7:53 AM	36	13/9/2023

LAND

LOT 3 IN DEPOSITED PLAN 772072
AT ST LEONARDS
LOCAL GOVERNMENT AREA WILLOUGHBY
PARISH OF WILLOUGHBY COUNTY OF CUMBERLAND
TITLE DIAGRAM DP772072

FIRST SCHEDULE

AQUALAND ST LEONARD DEVELOPMENT PTY LTD (T AJ678023)

SECOND SCHEDULE (5 NOTIFICATIONS)

---

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S) WITHIN THE PART(S) SHOWN SO INDICATED IN THE TITLE DIAGRAM

2 LAND EXCLUDES MINERALS - SEE MEMORANDUM W212051 AFFECTING THE PART SHOWN SO BURDENED IN THE TITLE DIAGRAM

3 I436520 LEASE TO SYDNEY ELECTRICITY OF SUBSTATION NO.6720. (GROUND FLOOR) TOGETHER WITH A RIGHT OF WAY 5 WIDE AND EASEMENT FOR ELECTRICITY PURPOSES 2 WIDE SHOWN ON PLAN WITH I436520. EXPIRES 29-9-2083

AK971351 LEASE OF LEASE I436520 TO BLUE ASSET PARTNER PTY LTD, ERIC ALPHA ASSET CORPORATION 1 PTY LTD, ERIC ALPHA ASSET CORPORATION 2 PTY LTD, ERIC ALPHA ASSET CORPORATION 3 PTY LTD & ERIC ALPHA ASSET CORPORATION 4 PTY LTD EXPIRES: SEE DEALING. CLAUSE 2.3 (b) (ii).

AK971352 LEASE OF LEASE AK971351 TO BLUE OP PARTNER PTY LTD, ERIC ALPHA OPERATOR CORPORATION 1 PTY LTD, ERIC ALPHA OPERATOR CORPORATION 2 PTY LTD, ERIC ALPHA OPERATOR CORPORATION 3 PTY LTD & ERIC ALPHA OPERATOR CORPORATION 4 PTY LTD EXPIRES: SEE DEALING. CLAUSE 12.1

AK971502 MORTGAGE OF LEASE AK971351 TO ANZ FIDUCIARY SERVICES PTY LTD

AK971571 CHANGE OF NAME AFFECTING LEASE I436520 LESSEE NOW ALPHA DISTRIBUTION MINISTERIAL HOLDING CORPORATION

4 AJ678024 MORTGAGE TO AUSTRALIA AND NEW ZEALAND BANKING GROUP LIMITED

5 AQ215938 LEASE TO J & T MATERIALS HANDLING PTY LTD OF SHOP 1, GROUND FLOOR, 33 HERBERT STREET, ST LEONARDS. EXPIRES:

END OF PAGE 1 - CONTINUED OVER

SECOND SCHEDULE (5 NOTIFICATIONS) (CONTINUED)

31/10/2024.

NOTATIONS

UNREGISTERED DEALINGS: PE DP1322828.

*** END OF SEARCH ***

* Entries preceded by an asterisk do not appear on the former Certificate of Title abolished in 2021 or the current edition of Water Access Licence Certificate. Warning: the information appearing under notations has not been formally recorded in the Register.

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Received: 09/01/2026 07:53:37

LICENCE No

35/031301

N.S.W. GOVERNMENT DEPARTMENT OF INDUSTRIAL RELATIONS

DANGEROUS GOODS BRANCH

REECE ARTARMON P/L
(T/A REECE PLUMBING)

WCA - Unclassified
Recfind File
35/031301
WorkCover Authority of NSW
Custodian Licensing Unit - OHS
Created 1/01/1975
HEALTH & SAFETY MANAGEMENT - LICENSING - Dangerous Goods Keep
Licence 35/031301 - Artarmon, 37 Herbert St

FILE SCANNED
DATE [redacted] BY [redacted] DISK NAME [redacted]

KEEPING LICENCE

INSPECTION DISTRICT NO.....

.....

DISPOSAL

Licence No. 35/031301

APPLICATION FOR RENEWAL

OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

DECLARATION: Please renew licence number 35/031301 to 18/01/2005 . I confirm that all the licence details shown below are correct (amend if necessary).

....

(Signature) *(Please print name)* *(Date signed)*

for: REECE PTY LTD

*THIS **SIGNED** DECLARATION SHOULD BE **RETURNED TO:***

WorkCover New South Wales
Dangerous Goods Licensing Section
LOCKED BAG 2906
LISAROW NSW 2252

Enquiries:ph (02) 43215500
fax (02) 92875500

Details of licence on 5 December 2003

Licence Number 35/031301 **Expiry Date** 18/01/2004

Licensee REECE PTY LTD ACN 004 097 090

Postal Address: REECE PLUMBING 37 HERBERT ST ARTARMON NSW 2064

Licensee Contact STEPHEN DOWLING Ph. 9436 2366 Fax. 9436 2343

Premises Licensed to Keep Dangerous Goods
REECE PTY LTD
37 HERBERT ST ARTARMON 2064

Nature of Site BUILDING SUPPLIES WHOLESALING N.E.C.

Major Supplier of Dangerous Goods BOC

Emergency Contact for this Site STEPHEN DOWLING Ph. 9436 2366

Site staffing 1 HR 5.5 DAYS

Details of Depots

Depot No.	Depot Type	Goods Stored in Depot		Qty
1	**CYLINDER STORE**	**Class 2.1**	**200 M3**	
	UN 1001 ACETYLENE, DISSOLVED			150 M3
	UN 1075 PETROLEUM GASES, LIQUEFIED			450 KG
2	**EXEMPT - STORAGE AREA**	**Class 2.2**	**100 M3**	
	UN 1072 OXYGEN, COMPRESSED			70 M3

WorkCover New South Wales, 400 Kent Street, Sydney 2000 . Tel: (02) 9370 5000 ALL MAIL TO LOCKED BAG 10, CLARENCE STREET, SYDNEY 2000
DX 13067, MARKET ST. SYDNEY

Reference

WORKCOVER NEW SOUTH WALES

APPLICATION FOR RENEWAL
OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

DECLARATION: *Please renew licence number 35/031301 to 1999. I confirm that all the licence details shown below are correct (amend if necessary).*

..... STEPHEN DOWLING ..... 19/1/98 .....

(Signature) *(Please print name)* *(Date signed)*

for: REECE ARTARMON P/L

*THIS **SIGNED** DECLARATION SHOULD BE **RETURNED TO:***

WorkCover New South Wales
Dangerous Goods Licensing Section (Level 3)
Locked Bag 10
P O CLARENCE STREET 2000

Enquiries: ph (02) 9370 5187
fax (02) 9370 6105

RECEIVED 23 JAN 1998 WORKCOVER NEW SOUTH WALES

DATA ENTERED 23 JAN 1998 SCIENTIFIC SERVICES

Details of licence on 5 December 1997

Licence Number 35/031301 **Expiry Date** 19/01/98

Licensee REECE ARTARMON P/L ACN 004 097 090
REECE PLUMBING

Postal Address 37 HERBERT ST, ARTARMON 2064

Licensee Contact Stephen Dowling Ph. 9436 2366 Fax. 9436 2343

Premises Licensed to Keep Dangerous Goods
37 HERBERT ST
ARTARMON 2064

Plumbing Supplies ASIC 4539

Nature of Site ~~Motor Vehicle~~ Services **Major Supplier of Dangerous Goods** BOC

Emergency Contact for this Site Stephen Dowling ph. 436 2366

Site staffing 1 hr 5.5 days

Details of Depots

Depot No.	Depot Type	Goods Stored in Depot	Qty
1	CYLINDER STORE	Class 2.1	200 m3
		UN 1001 ACETYLENE, DISSOLVED	150 m3
		UN 1075 PETROLEUM GASES, LIQUE	450 kg
2	Exempt - Storage area	Class 2.2	100 m3
		UN 1072 OXYGEN, COMPRESSED	70 m3

Licences are issued, for a specified site, if control of a site is transferred (by way of sale or lease or otherwise), the person who held the licence concerned immediately before the transfer must, within 7 days after the transfer, notify the Chief Inspector. This notification must be in writing and must specify the date on which the transfer was effected and the name and address of the transferee.

Dangerous Goods are divided into classes and an explanation is shown below. Certain dangerous goods may be kept without a licence, providing the quantity of the goods does not exceed the amount specified in the exemptions listed below.

EXPLANATION OF DANGEROUS GOODS AND THEIR CLASSES

1.1 Blasting explosives (including detonators).
1.4 Safety cartridges
2.1 Flammable gases (e.g. L.P.Gas, acetylene).
2.2 Non flammable, non toxic gases (e.g. liquid oxygen, liquid nitrogen).
2.3 Poisonous Gases (e.g. chlorine, anhydrous ammonia)
3 Flammable liquids (e.g. any or all of petrol, kerosene, solvents, methylated spirits).
C1 Combustible liquids (e.g. distillate, diesel fuel, heating oil).
4 Flammable solids (e.g. nitro cellulose, sodium metal, calcium carbide).
5.1 Oxidising substances (e.g. pool chlorine, ammonium nitrate).
5.2 Organic peroxides (e.g. dibenzoyl peroxide)
6.1 (a) Poisons (e.g. sodium cyanide, some pesticides);
(b) Harmful substances (e.g. sodium fluorosilicate, some pesticides).
6.2 Infectious substances
7 Radioactive substances (storage of Class 7 is NOT covered by the Dangerous Goods Act, 1975).
8 Corrosives (e.g. hydrochloric acid, sulphuric acid, sodium hydroxide, sodium hypochlorite).

EXEMPTIONS FROM LICENCE

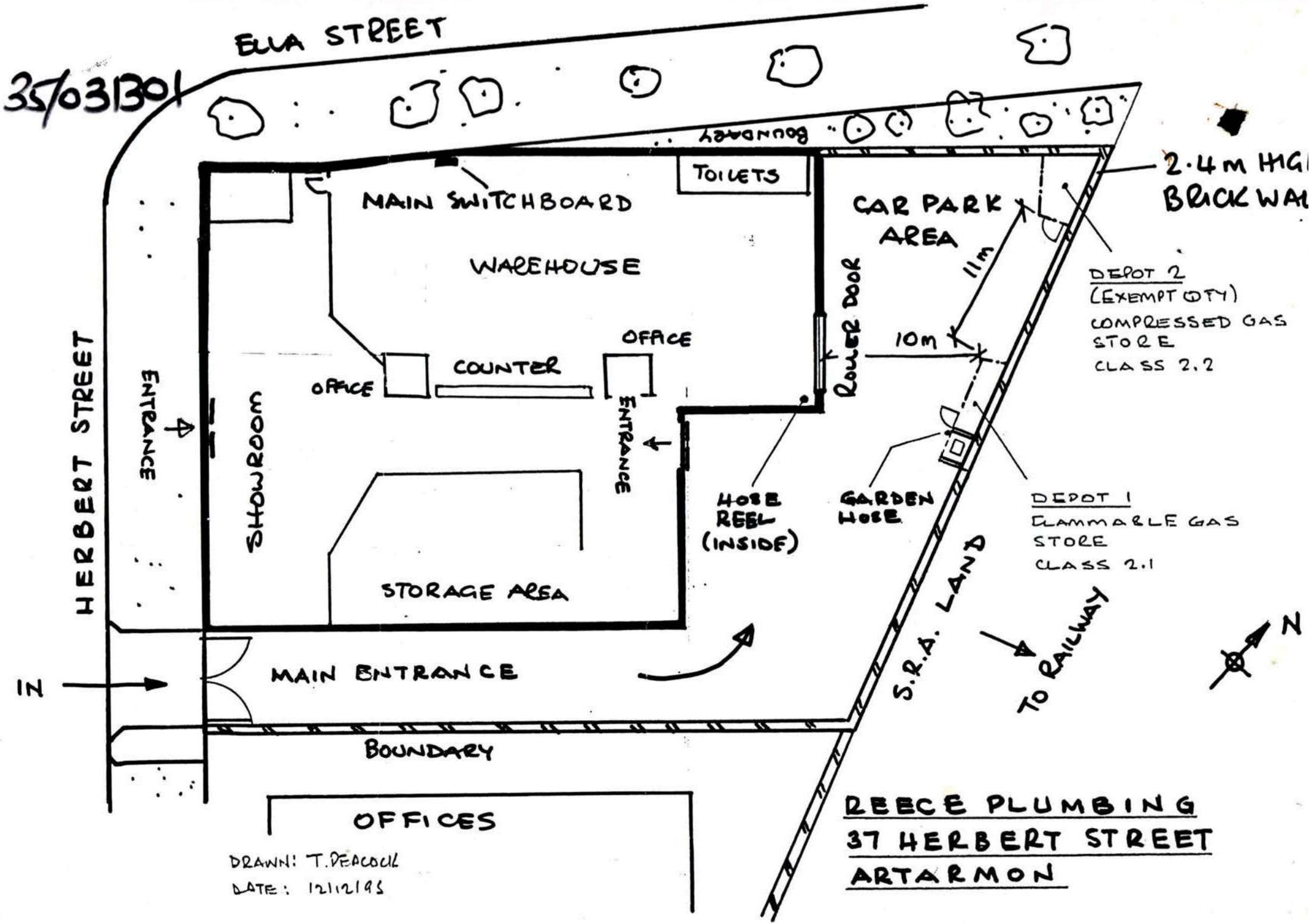
1. *Acetylene*: Storage of 60 cu.m or less of acetylene per premises (i.e. up to and including 8 x "G" class cylinders, the most common size of acetylene cylinder).
2. *Class C1-Distillate, Diesel Fuel, Heating Oil*: Storage of 50,000 litres or less per tank.
3. *Petrol and other class 3 packaging group I & II dangerous goods* : Storage of 100 litres or less per premises.
4. *Kerosene and other class 3 packaging group III dangerous goods* : Storage of 1,000 litres or less per premises when stored aboveground.
5. *Class 6 - Poisonous Substances* : Packaging group I not more than 10L/kg, packaging group II not more than 100L/kg, packaging group III not more than 1000L/kg,
6. *Class 8 - Corrosive Substances* : Packaging group I not more than 50L/kg, packaging group II not more than 500L/kg, packaging group III not more than 1000L/kg,

Please contact the WorkCover Authority ☎ (02) 370 5187 for further exemptions.

OTHER WORKCOVER AUTHORITY OFFICES - Advice on Dangerous Goods* can also be obtained from the following offices.

	☎		☎
GOSFORD	(043) 24 3384		
NEWCASTLE	(049) 21 2900	HURSTVILLE	(02) 598 3366
ORANGE	(063) 61 7070	LINDFIELD	(02) 936 3000
PORT MACQUARIE	(065) 84 1188	LIVERPOOL	(02) 827 8600
WAGGA WAGGA	(069) 21 8766	PARRAMATTA	(02) 841 8550
WOLLONGONG	(042) 22 7333		

*** Dangerous Goods licensing enquiries to Scientific Services Branch ☎ (02) 370 5187**


35/03130
ELLA STREET
BOUNDARY
TOILETS
MAIN SWITCHBOARD
WAREHOUSE
CAR PARK AREA
2.4m HIGH BRICK WALL
11m
10m
ROLLER DOOR
DEPOT 2
(EXEMPT QTY)
COMPRESSED GAS STORE
CLASS 2.2
OFFICE
COUNTER
OFFICE
ENTRANCE
ENTRANCE
SHOWROOM
HERBERT STREET
HOSE REEL (INSIDE)
GARDEN HOSE
DEPOT 1
FLAMMABLE GAS STORE
CLASS 2.1
STORAGE AREA
S.R.A. LAND
TO RAILWAY
N
IN
MAIN ENTRANCE
BOUNDARY
OFFICES
DRAWN: T. PEACOCK
DATE: 12/12/95
REECE PLUMBING
37 HERBERT STREET
ARTARMON

** CONDITIONAL LICENCE **

WorkCover New South Wales, 400 Kent Street, Sydney 2000 Phone 370 5639 Fax 370 6115 DX 480 Sydney

Reference

ALL CORRESPONDENCE TO LOCKED BAG 10 CLARENCE STREET SYDNEY 2000

WORKCOVER NEW SOUTH WALES

SCIENTIFIC SERVICES BRANCH
Dangerous Goods Licensing
ph. (02) 370 5187 fax (02) 370 6105

Licensee REECE ARTARMON P/L ACN 004 097 090
REECE PLUMBING
37 HERBERT ST
ARTARMON 2064

LICENCE FOR THE KEEPING OF DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

Licence Number 35/031301 **Expiry Date** 19/01/97 **No. of Depots** 2

Licensee Contact Stephen Dowling Ph. 436 2366 Fax. 436 2343

Premises Licensed to Keep Dangerous Goods
37 HERBERT ST
ARTARMON 2064

Nature of Site Motor Vehicle Services

Emergency Contact for this Site Stephen Dowling 436 2366 1 hr 5.5 days

Major Supplier of Dangerous Goods B O C

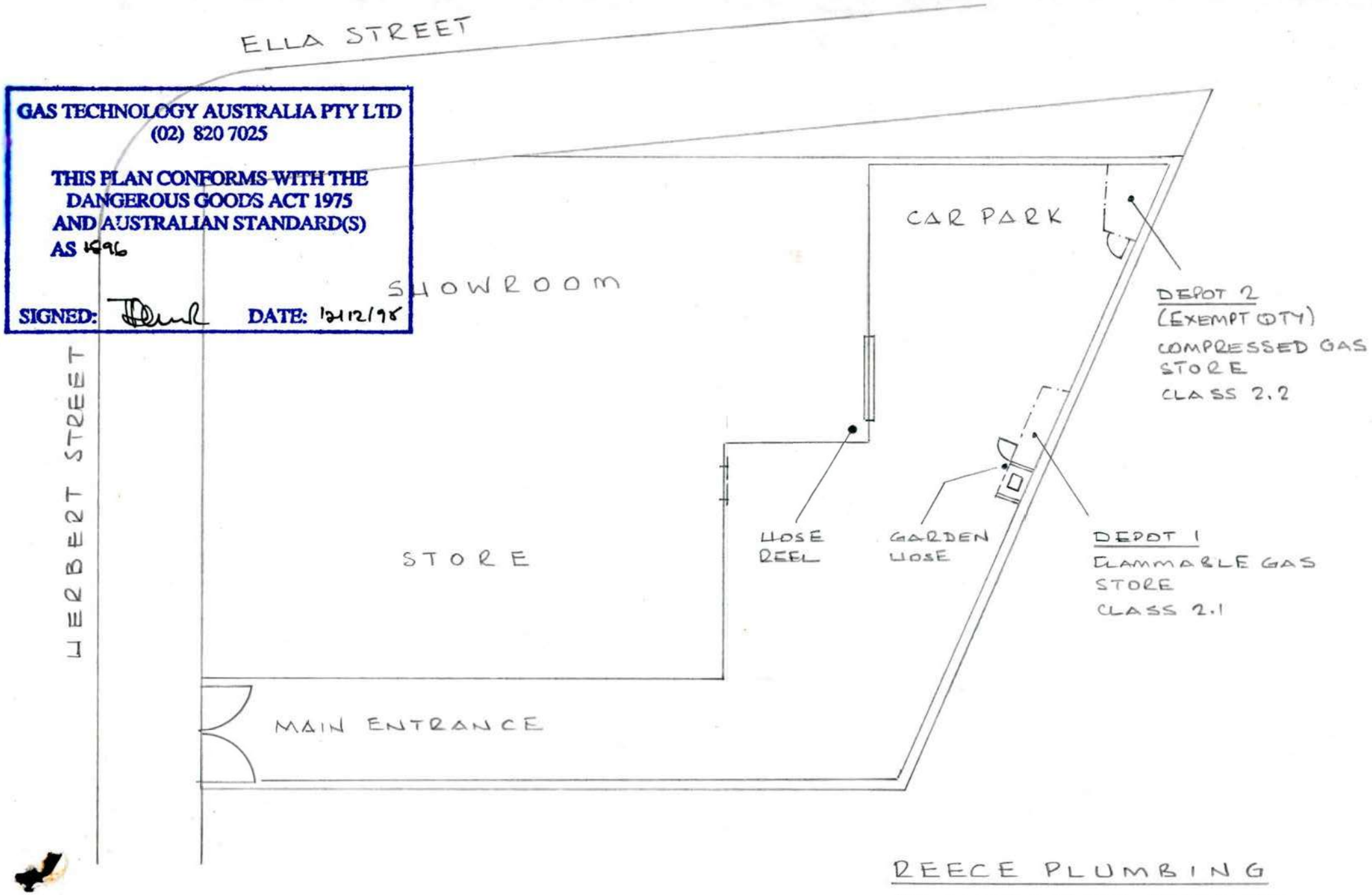
DETAILS OF DEPOTS

Depot No.	Depot Type	Goods Stored in Depot	Qty
1	**CYLINDER STORE**	**Class 2.1**	**200 m3**
		UN 1001 ACETYLENE, DISSOLVED	150 m3
		UN 1075 PETROLEUM GASES, LIQUE	450 kg
2	**Exempt - Storage area**	**Class 2.2**	**100 m3**
		UN 1072 OXYGEN, COMPRESSED	70 m3

***** Licence has been issued on condition that an A4 size site sketch - fully complete - is submitted to WorkCover by 15 March 1996.*****

PLEASE RETAIN AS PROOF OF LICENCE

Issued by Chief Inspector of Dangerous Goods on 30 January 1996


ELLA STREET
GAS TECHNOLOGY AUSTRALIA PTY LTD
(02) 820 7025
THIS PLAN CONFORMS WITH THE
DANGEROUS GOODS ACT 1975
AND AUSTRALIAN STANDARD(S)
AS 1596
SIGNED:
DATE: 12/12/95
SHOWROOM
CAR PARK
DEPOT 2
(EXEMPT QTY)
COMPRESSED GAS
STORE
CLASS 2.2
HERBERT STREET
STORE
HOSE
REEL
GARDEN
HOSE
DEPOT 1
FLAMMABLE GAS
STORE
CLASS 2.1
MAIN ENTRANCE
DRAWN: T. PEACOCK
DATE: 12/12/95
REECE PLUMBING
37 HERBERT STREET
ARTARMON

PLANNING CERTIFICATE ISSUED UNDER SECTION 149(2)
ENVIRONMENT PLANNING AND ASSESSMENT ACT, 1979

Certificate No:	33076
Receipt No:	1493735
Issue date:	23-Mar-2015
Customer Ref:	610.14997.00000:14356

C Cowper
2 Lincoln St
LANE COVE WEST NSW 2066

Property Location:	31-35 Herbert Street, ST LEONARDS NSW 2065.
Legal Description:	**LOT 3 DP 772072**

Disclaimer

1. *The information provided in this certificate has been obtained from Council's records. The Council advises that:*

   (a) *other authorities may hold information in respect of the property not contained in the Council's records; and*
   (b) *the Council's records themselves may not be complete or accurate in respect of the property.*

2. *The instrument(s) referred to in this certificate may contain other important information in respect to the property. In order to understand the effects of the instrument(s) on the property, the Council advises that the whole of each instrument(s) should be read and considered. This certificate cannot be used as a substitute for reading the whole of the instrument(s) referred to in the certificate.*

3. *It may be appropriate or necessary to obtain legal or other expert advice in respect of the matters contained in the certificate or the instruments referred to in the certificate.*

4. *The Council cannot and will not accept any liability in respect of any error, inaccuracy, or omission in this certificate.*

Debra Just
GENERAL MANAGER

(Computer printed copy – No signature required)

PLANNING CERTIFICATE ISSUED UNDER SECTION 149(2)
ENVIRONMENT PLANNING AND ASSESSMENT ACT, 1979

WILLOUGHBY
CITY COUNCIL

Certificate No:	33076
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Customer Ref:	610.14997.00000:14356

1. RELEVANT PLANNING INSTRUMENTS AND DEVELOPMENT CONTROL PLANS

(1) Environmental Planning Instruments

As at the date of this certificate the above mentioned land is affected by the following environmental planning instruments:

Willoughby Local Environmental Plan 2012

State Environmental Planning Policy No. 19 - Bushland in Urban Areas
State Environmental Planning Policy No. 21 - Caravan Parks
State Environmental Planning Policy No. 30 - Intensive Agriculture
State Environmental Planning Policy No. 32 - Urban Consolidation (Redevelopment of Urban Land)
State Environmental Planning Policy No. 33 - Hazardous and Offensive Development
State Environmental Planning Policy No. 50 - Canal Estate Development
State Environmental Planning Policy No. 55 - Remediation of Land
State Environmental Planning Policy No. 62 – Sustainable Aquaculture
State Environmental Planning Policy No. 64 - Advertising and Signage
State Environmental Planning Policy No. 65 - Design Quality of Residential Flat Development
State Environmental Planning Policy No. 70 - Affordable Housing (Revised Schemes)
State Environmental Planning Policy (Major Development) 2005
State Environmental Planning Policy (Infrastructure) 2007
State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007
State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
State Environmental Planning Policy (Affordable Rental Housing) 2009
State Environmental Planning Policy (State and Regional Development) 2011
State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004
Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005

(2) Proposed Environmental Planning Instruments

As at the date of this certificate the above mentioned land is affected by the following proposed environmental planning instruments:

Draft State Environmental Planning Policy No. 65 - Design Quality of Residential Flat Development (Amendment 3)

(3) Development Control Plans

As at the date of this certificate the above mentioned land is affected by the following development control plans:

Development Control Plan 2005 - Sydney Foreshore and Waterways Area

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The plan applies to all development proposals within the foreshores and waterways area identified in SREP (Sydney Harbour Catchment) 2005 - (Refer to the Foreshores and Waterways Area Map).

Willoughby Development Control Plan

2. ZONING AND LAND USE

(a) Zone Identity

IN2 Light Industrial

(b), (c), (d) (Development)

Zone IN2 Light Industrial – under Willoughby Local Environmental Plan 2012

Objectives of zone

- *To provide a wide range of light industrial, warehouse and related land uses*
- *To encourage employment opportunities and to support the viability of centres*
- *To minimise any adverse effect of industry on other land uses*
- *To enable other land uses that provide facilities or services to meet the day to day needs of workers in the area*
- *To support and protect industrial land for industrial uses*
- *To identify and preserve industrial land to meet the current and future light industrial needs of Willoughby and the wider region*
- *To accommodate industrial development that provides employment and a range of goods and services without adversely affecting the amenity, health or safety of residents in adjacent areas.*
- *To protect the viability of business zones in Willoughby by enabling development for the purposes of offices if they are used in conjunction with industrial, manufacturing, warehousing or other permitted uses on the same land*
- *To improve the environmental quality of Willoughby by ensuring that land uses conform to land, air and water quality pollution standards and environmental and hazard reduction guidelines*
- *To accommodate uses that, because of demonstrated special building or site requirements or operational characteristics, cannot be or are inappropriate to be located in other zones.*

Permitted without consent

Nil

Permitted with consent

Building identification signs; Business identification signs; Depots; Industrial training facilities; Light industries; Neighbourhood shops; Pubs; Roads; Take away food and drink premises; Timber yards; Vehicle sales or hire premises; Warehouse or distribution centres; Any other development not specified in item 2 or 4.

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Prohibited

Agriculture; Air transport facilities; Airstrips; Amusement centres; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Car parks; Caravan parks; Cemeteries; Charter and tourism boating facilities; Commercial premises; Correctional centres; Crematoria; Educational establishments; Entertainment facilities; Environmental facilities; Exhibition homes; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Function centres; Health services facilities; Heavy industrial storage establishments; Helipads; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industries; Information and education facilities; Marinas; Mortuaries; Open cut mining; Passenger transport facilities; Port facilities; Recreation facilities (major); Registered clubs; Research stations; Residential accommodation; Restricted premises; Rural industries; Sewage treatment plants; Signage; Tourist and visitor accommodation; Transport depots; Truck depots; Water recycling facilities; Water supply systems; Wharf or boating facilities; Wholesale supplies.

NOTE: You are advised that in addition to the matters set out above, the instrument may make further provisions with respect to the purposes for which development may be carried out on the land without consent and with consent and the purposes for which development of the land is prohibited. Applicants are advised that they should read the whole of the instrument(s) in order to determine whether that instrument prohibits, restricts or otherwise relates to the development of the land.

(e) Development Standards applying to the land fixing minimum dimensions for the erection of a dwelling house?

No
(NB: the erection of a dwelling house on the land requires development consent to be obtained which will require assessment of the particular application under section 79C of the Act. The Council makes no representation that development consent will be granted to any application.)

(f) Critical Habitat

– –

(g) Conservation Area

– –

(h) Heritage Item

– –

WILLOUGHBY
CITY COUNCIL

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3. COMPLYING DEVELOPMENT

NOTE: This certificate only addresses matters raised in Clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008. It is your responsibility to ensure that the development is permissible with consent in the land use zone and that you comply with any other requirements of the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 including Clauses 1.18 and 1.20 of that Policy, the Complying Development Codes in Parts 3 to 8 of that Policy, and the Willoughby Local Environmental Plan 2012. Failure to comply with these provisions may mean that a Complying Development Certificate issued under the provisions of the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 is invalid.

(a) General Housing Code and Rural Housing Code

The land is land on which complying development may be carried out under these Codes.

(b) Housing Alterations Code and General Development Code

The land is land on which complying development may be carried out under these Codes.

(c) Commercial and Industrial Alterations Code

The land is land on which complying development may be carried out under this Code.

(d) Commercial and Industrial (New Buildings and Additions) Code

The land is land on which complying development may be carried out under this Code.

(e) Subdivisions Code

The land is land on which complying development may be carried out under this Code.

(f) Demolition Code

The land is land on which complying development may be carried out under this Code.

(g) Fire Safety Code

The land is land on which complying development may be carried out under this Code.

4. COASTAL PROTECTION

The land is not affected by Section 38 or 39 of the Coastal Protection Act 1979, (as advised by the Department of Public Works).

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4A CERTAIN INFORMATION RELATING TO BEACHES AND COASTS

(1) – –
(2) – –
(3) – –

4B ANNUAL CHARGES UNDER LOCAL GOVERNMENT ACT 1993 FOR COASTAL PROTECTION SERVICES THAT RELATE TO EXISTING COASTAL PROTECTION WORKS.

– –

5. MINE SUBSIDENCE

The land is not within a proclaimed mine subsidence district under Section 15 of the Mine Subsidence Compensation Act, 1961.

6. ROAD WIDENING AND REALIGNMENT

The land is not affected by road widening or road realignment under:-

1) Division 2 of Part 3 of the Roads Act 1993; or
2) An Environmental Planning Instrument; or
3) A resolution of Council.

7. COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK

The land is not affected by a policy adopted by any other public authority and notified to the Council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the Council, that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).

It is the Council's policy to consider previous land uses to determine whether land may be affected by contamination which restricts or prohibits the carrying out of development on the land. Depending on the previous uses of the land, the applicant may be required to investigate possible site contamination and/or carry out remediation as part of any proposed development and the development potential of the site may be restricted or prohibited. This is assessed by the Council on a case-by-case basis.

The Council will have regard to Clause 6.1 Acid Sulfate Soils of Willoughby Local Environmental Plan 2012 and the Acid Sulfate Soils Map in assessing any development applications relating to the land.

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7A FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION

(1) Development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi-dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is not subject to flood related development controls

(2) Development on that land or part of the land for any other purpose is not subject to flood related development controls

NB. This response does not imply that development for particular purposes is permissible on the land. Development is permissible in accordance with the zoning and landuse as set out in Question 2. ZONING AND LANDUSE of this Certificate.

Based on the information currently available from Council's flood maps, this land is not affected by overland flooding. However, Council reviews flood studies on an on-going basis and new information may become available in future which may alter the flood affectation status of the subject parcel of land.

It is important to note that in some circumstances, a piece of land may experience inundation as a result of the creation of stormwater detention basins, channels or flow paths after the development of the land. The applicant is therefore advised to engage the services of a suitably qualified engineer to investigate whether remedial measures should be adopted to minimise the effects of any such inundation.

8. LAND RESERVED FOR ACQUISITION

The land is not affected by any environmental planning instrument, deemed environmental planning instrument or draft environmental planning instruments which provides for the acquisition of the land by a public authority, as referred to in section 27 of the Act.

9. CONTRIBUTION PLANS

Willoughby City Section 94A Development Contributions Plan 2011

9A. BIODIVERSITY CERTIFIED LAND

– –

10. BIOBANKING AGREEMENTS

– –

WILLOUGHBY
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11. BUSH FIRE PRONE LAND

The land has not been identified as bush fire prone under the Rural Fires and Environmental Legislation Amendment Act 2002.

12. PROPERTY VEGETATION PLANS

– –

13. ORDERS UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006

– –

14. DIRECTIONS UNDER PART 3A

– –

15. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS AFFECTING SENIORS HOUSING

– –

16. SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE

– –

17. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE RENTAL HOUSING

– –

18. PAPER SUBDIVISION INFORMATION

– –

19. SITE VERIFICATION CERTIFICATES

– –

In addition to the information provided above, the following information is provided in respect of the abovementioned land.

– –

PLANNING CERTIFICATE ISSUED UNDER SECTION 149(2)
ENVIRONMENT PLANNING AND ASSESSMENT ACT, 1979

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NOTES:

Hand written or typed items appearing on this certificate at the time of issue are to be read as forming part of this certificate.

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1965	Metal Merchants	SCRAP METAL CO OF AUST PTY LTD	31-35,Herbert,NSW	Address	0.0	Onsite
1965	Scrap Metal Merchants	SCRAP METAL CO OF AUST PTY LTD	31-35,HerbertSt,NSW	Address	0.0	Onsite
1970	FOOD WRAPPING & PACKING	Bell Bryant (N.S.W.) Pty. Ltd.,	37 Herbert St.,Artarmon	Address	0.0	Onsite
1970	ENGINEERS—STRUCTURAL	Stewarts&Lloyds (Aust.) Pty. Ltd.,	37A Herbert St.,St. Leonards	Address	0.0	Onsite
1970	STEEL FABRICATORS	Stewarts & Lloyds (Aust.) Pty. Ltd.,	37A Herbert St.,St. Leonards	Address	0.0	Onsite
1970	BOTTLE FILLING MACHINERY MFRS. &/OR	Bryant Bros. Pty. Ltd.,	37 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	BUILDINGS—PREFABRICATED—MFRS. &/OR DISTS.	Stewarts & Lloyds (Aust.) Pty. Ltd.	37a Herbert St.,St. Leonards	Address	0.0	Onsite
1970	BUTTER CHURNS & BUTTER FACTORY EQUIP.—IMPTRS.	Bryant Bros. Pty. Ltd.,	37 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	CHEESE PROCESSING MACHINERY- IMPS.,	Bryant Bros. Pty. Ltd.,	37 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	CHEMICAL MFRS.—MACHINERY	Bryant Bros. Pty. Ltd.,	37 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	COOL ROOM EQUIP. MFRS.	Bell Bryant (Refrigeration) Pty.	37 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	CRANES—MOBILE—PROPRIETORS &/OR HIRERS	Mimer Transport Pty. Ltd.,	31 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	ENGINEERS—REFRIGERATION	Bell Bryant (Refrigeration) Pty.	37 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	HEAT EXCHANGER MANUFACTURERS &/OR	Bell Bryant Pty. Ltd.,	37 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	HEAT EXCHANGER MANUFACTURERS &/OR	Bell Bryant (N.S.W.) Pty. Ltd.,	37 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	METAL MANUFACTURERS	Scrap Metal Co. of Australia Pty. Ltd.,	31-35 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	SCRAP METAL MERCHANTS	Scrap Metal Coy. of Australia Pty. Ltd.,	31 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	Centrifugal Machines	Bell Bryant Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Chemical Engineers	Bell Bryant Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Dairy Equipment & Supplies	Bell Bryant Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Engineers-Manufacturing	Bell Bryant Pty ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Heat Exchange Equipment	Bell Bryant Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Machinery-Food Processing, Canning	Bell Bryant Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Pump Mfrs. &/or Wholesalers	Bell Bryant Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Pump Mfrs. &/or Wholesalers	Jabsco Pumps - Bell-Bryant (NSW) Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Scrap Metal Merchants	Scrap Metal Co of Aust Pty Ltd	31 Herbert Street,St	Address	0.0	Onsite
1970	METAL MERCHANTS	Scrap Metal Co. of Australia Pty. Ltd.,	31-35 Herbert St.,St. Leonards	Address	0.0	Onsite
1970	Mixing Equipment-Industrial	Bell Bryant Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1970	Refrigeration Equipment-Mfrs. &/or	Bell Bryant Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
1980	Bottle Filling Machinery	B B---- H & K Pty Ltd	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Cleaning Equipment - Steam, Pressure,	Graco (Bell Bryant Pty Ltd)	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Degreasing Equipment	Bell Bryant Pty Ltd	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Pumps - Mfrs &/or Merchants	Bell Bryant Pty Ltd	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Pumps - Mfrs &/or Merchants	Graco (Bell Bryant Pty Ltd)	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Refrigeration - Commercial &	Hall-Thermotank (Aust) Pty Ltd	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Refrigeration Engineers	Hall-Thermotank (Aust) Pty Ltd	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Scrap Metal Merchants	Scrap Metal Co of Aust Pty Ltd	31 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Spray Machines &/or Equipment	Graco (Bell Bryant Pty Ltd)	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Tubes - Steel	Tubemakers of Australia Ltd (B T M	37a Herbert St.,St.	Address	0.0	Onsite
1980	Valves - Mfrs &/or W'salers	Tubemakers Fluid Controls	37a Herbert St.,St.	Address	0.0	Onsite

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Air Conditioning - Commercial &	Hall-Thermotank (Aust) Pty Ltd	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1980	Power Transmission Equipment	Stevenson & Darragh Pty Ltd	37 Herbert St.,St. Leonards,NSW	Address	0.0	Onsite
1990	Valves, Equipment &/or Service	Moyes & Groves Australia Pty Ltd	37 Herbert Street,St	Address	0.0	Onsite
2010	Printers' Services & Supplies	Masterbind	Unit 14/39 Herbert Street ST LEONARDS	Address	0.0	Onsite
2010	Laminating & Block Mounting Services &	Gmp Commercial Laminators	Unit 14 39 Herbert St ST LEONARDS	Address	0.0	Onsite
2010	Recyclers	Mastershred Shredding Machines	Unit 14 39 Herbert St ST LEONARDS	Address	0.0	Onsite
2010	Printers' Services & Supplies	Schmedt Binding Equipment	Unit 14 39 Herbert St ST LEONARDS	Address	0.0	Onsite
1970	CARRIERS &CARTAGE CONTRACTORS	St. Leonards Crane & Truck Hire,	21 Herbert St.,Artarmon	Address	72.0	South-east
1970	CARRIERS &CARTAGE CONTRACTORS	Cranes & Cartage Pty. Ltd.,	21 Herbert St.,St. Leonards	Address	72.0	South-east
1970	CRANES—MOBILE—PROPRIETORS &/OR HIRERS	A, B. C. City of Sydney Cranes,	21 Herbert St.,St. Leonards	Address	72.0	South-east
1970	CRANES—MOBILE—PROPRIETORS &/OR HIRERS	Cranes&Cartage Pty. Ltd.,	21 Herbert St.,St. Leonards	Address	72.0	South-east
1970	CRANES—MOBILE—PROPRIETORS &/OR HIRERS	Cumberland Cranes,	21 Herbert St.,St. Leonards	Address	72.0	South-east
1970	TAXI TRUCK OPERATORS	Cranes & Cartage Pty. Ltd.,	21 Herbert St.,St. Leonards	Address	72.0	South-east
1970	CRANES—MOBILE—PROPRIETORS &/OR HIRERS	Hornsby Cranes&Cartage,	21 Herbert St.. St. Leonards,NSW	Address	72.0	South-east
1970	CRANES—MOBILE—PROPRIETORS &/OR HIRERS	Parramatta Cranes,	21 Herbert St. St. Leonards,NSW	Address	72.0	South-east
1970	Mechanical Engineers	Irwin C L	23 Herbert Street,St	Address	72.0	South-east
1970	Motor Service Stations	Golden Fleece Service Stations	23 Herbert Street,St	Address	72.0	South-east
1970	MOTOR GARAGES/ENGINEERS ST.	St. Leonards Golden Fleece Service	19 Herbert St.,NSW	Address	72.0	South-east
1970	Cement Mfrs.	Blue Circle Southern Cement Ltd	27 Herbert Street,St	Address	72.0	South-east
1980	Panel Beaters &/or Painters	F & D Smash Repairs Pty Ltd	Rear 21 Herbert St.,St.	Address	72.0	South-east
1980	Motor Service Stations & Garages	Golden Fleece Service Stations	23 Herbert St.,St. Leonards,NSW	Address	72.0	South-east
1990	Motor Service Stations & Garages	Caltex Oil (Australia) Pty Ltd	23 Herbert,Saint Leonards,NSW	Address	72.0	South-east
2010	Mobile Telephones - Service & Repairs	Ben Purdy Communication	Shop 114/19 23 Herbert St ST	Address	72.0	South-east
2010	Mobile Telephones - Service & Repairs	Crows Nest Digital Crows Nest	Shop 114 19-23 Herbert St ST	Address	72.0	South-east
2015	Mobile Telephones - Service & Repairs	Ben Purdy Communication	Shop 114/19 23 Herbert St St	Address	72.0	South-east
1990	Screen Printers	Pacesetter	15 Talus,Naremburn,NS	Address	82.2	East
2005	Promotional Products	Adcall Promotional Products Pty Ltd	15 Talus St,NAREMBURN,NSW,2	Address	82.2	East
1970	Aquariums & Supplies	C.M. Engineering Pty Ltd	9 Herbet Street St Leonards QLD	Address	102.7	West
2010	Food Processors Products & M/factrs	Wpm Japan Co Pty Ltd	U16/ 6 Herbert St ST LEONARDS 2065	Address	102.7	West
2010	Engineers - Motor & Repairers	North Shore Mitsubishi	8- 24 Herbert St ARTARMON 2064 NSW	Address	102.7	West
2010	Couriers	Flash Couriers Sydney	Unit 48/6-8 Herbert St ST	Address	102.7	West
2010	Printers' Services & Supplies	Wysiwyg Design	Unit 26/ 6 Herbert St ST LEONARDS	Address	102.7	West
2010	Embroidery & Needlework Services	Genuine Embroidery St Leonards	U 21 /6-8 Herber St ST LEONARDS	Address	102.7	West
2010	Medical Equipment - Service & Repairs	Stryker	8 Herbert St ST LEONARDS 2065 NSW	Address	102.7	West
2010	Studio and portrait photography	Perryman Photography	Unit 4 / 6- 8A Herbert St ST	Address	102.7	West
2010	Identification Services & Equipment	Unicard Systems	Unit 35 8 Herbert St ST LEONARDS	Address	102.7	West
2010	Furniture Storage & Removals	Two Men And A Truck	15/6- 8 Herbert St ST LEONARDS 2065	Address	102.7	West
2010	Photographer - Industrial &	Wheeler Tim Photography Pty Ltd	Unit 12/ 6 Herbert St ST LEONARDS	Address	102.7	West
2010	Aluminium Fabrication	Precision Aluminium Pty Ltd	U 31/ 6 Herbert St ST LEONARDS 2065	Address	102.7	West
2015	Photographer - General	David Perryman Photography	6 Herbert St St Leonards NSW 1590	Address	102.7	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2015	Telephone Systems - Installation &	Fast Track Communications Pty	6 Herbert St St Leonards NSW 2065	Address	102.7	West
2015	Digital Printers	Twenty Nine Digital	29/ 6 Herbert St St Leonards NSW	Address	102.7	West
2015	Photographer - Industrial &	Wheeler Tim Photography Pty Ltd	6 Herbert St St Leonards NSW 2065	Address	102.7	West
2015	Photographer - Industrial &	Wheeler Studios	Unit 12/ 6 Herbert St St Leonards NSW	Address	102.7	West
2015	Photographer - Industrial &	Wheeler Studios	6 Herbert St St Leonards NSW 2065	Address	102.7	West
2015	Identification Services & Equipment	Unicard Systems	Unit 35 8 Herbert St St Leonards NSW	Address	102.7	West
2015	Aluminium Fabrication	Precision Aluminium Pty Ltd	U 31/ 6 Herbert St St Leonards NSW	Address	102.7	West
2015	Food Processors Products & M/Factrs	WPM Japan Co Pty Ltd	U16/ 6 Herbert St St Leonards NSW	Address	102.7	West
2015	Photographer - General	Perryman Photography	Unit 4 / 6- 8a Herbert St St	Address	102.7	West
2015	Television - Repairs & Service	Clearview TV, DVD/VCR, Home	Unit 38 6- 8 Herbert St St	Address	102.7	West
2015	Bathroom Accessories & Equipment - M/Factrs &	SOAKdesigns	19/ 6-8 Herbert St St Leonards NSW	Address	102.7	West
1970	Cooling Towers	Head Wrightson (Aust) Pty Ltd	24 Herbert Street St Leonards NSW	Address	119.2	West
1970	Mining Equipment	Head Wrightson (Aust) Pty Ltd	24 Herbert Street St Leonards NSW	Address	119.2	West
1970	BRICK MFRS.	North Sydney Brick & Tile Co. Pty. Ltd.,	2 Herbert St.,St. Leonards	Address	119.2	West
1970	BRICKETTE FIREPLACE SPECS.	North Sydney Brick & Tile Co. Pty. Ltd.,	2 Herbert St.,St. Leonards	Address	119.2	West
1970	Bricks	North Sydney Brick & Tile Co Ltd (head	2 Herbert Street,St	Address	119.2	West
2010	Shade Sails & Structures	Streetlife	Unit 1 2A Herbert St ST LEONARDS	Address	119.2	West
2010	Photographer - Industrial &	Wheeler Studios	Unit 12 2A Herbert St ST LEONARDS	Address	119.2	West
2015	Hotel Restaurant & Club Supplies	San-Ai Trading Pty Ltd	U11/ 2a Herbert St St Leonards NSW	Address	119.2	West
1970	PRINTERS—LITHOGRAPHIC (OFFSET)	Sands, J. Pty. Ltd.,	4 Herbert St.,Artarmon	Address	133.2	South-west
1980	Instruments - General	Parameters Pty Ltd	4 Herbert St.,Artarmon,NSW	Address	133.2	South-west
1980	Electronic Parts Mfrs &/or W'salers	Parameters Pty Ltd	4 Herbert St.,Artarmon,NSW	Address	133.2	South-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange The	4 Herbert Street,St	Address	133.2	South-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange The	4 Herbert St.,St. Leonards,NSW	Address	133.2	South-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange The	4 Herbert St.,St. Leonards,NSW	Address	133.2	South-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange The	4 Herbert Street,St Leonards,NSW	Address	133.2	South-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange Te	4 Herbert Street,St Leonards,NSW	Address	133.2	South-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange The	4 Herbert Street,St. Leonards,NSW	Address	133.2	South-west
2010	Cars - New	Hunter Holden	4 Herbert St ST LEONARDS 2065 NSW	Address	133.2	South-west
2005	Optical Supplies	Ka Chun Industrial Australia Pty Ltd	15 Herbert St,ST LEONARDS,NSW,2065	Address	141.6	South-east
2015	Bathroom Accessories & Equipment - M/Factrs & W/Salers	Stantonmoor	19/ 6-8 Herbert St St Leonards NSW 2065	Address	162.5	West
2015	Photocopiers New & Reconditioned	Fuji Xerox Business Centre Sydney P/L	Unit 1 6- 8 Herbert St St Leonards NSW 2065	Address	162.5	West
2015	Couriers	Flash Couriers Sydney	Unit 48/6- 8 Herbert St St Leonards NSW 2065	Address	162.5	West
2015	Furniture Storage & Removals	Two Men And A Truck	15/6- 8 Herbert St St Leonards NSW 2065	Address	162.5	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2015	Couriers	Flash Couriers	Unit 48/6- 8 Herbert St St Leonards NSW 2065	Address	162.5	West
2010	Car or Mini-Bus Hire	North Shore Auto Group	10 Herbert St ST LEONARDS 2065 NSW	Address	169.5	North-west
2010	Engineers - Motor & Repairers	Northshore Mitsubishi	10 Herbert St ST LEONARDS 2065 NSW	Address	169.5	North-west
2010	Cars - New	Northshore Autogroup Holden Mitsubishi Skoda	10 Herbert St ST LEONARDS 2065 NSW	Address	169.5	North-west
2010	Car Replacement Parts	Northshore Mitsubishi	10 Herbert St ST LEONARDS 1590 NSW	Address	169.5	North-west
2015	Car Replacement Parts	Northshore Mitsubishi Parts	10 Herbert St St Leonards NSW 2065	Address	169.5	North-west
2015	Car Replacement Parts	Northshore Mitsubishi	10 Herbert St St Leonards NSW 1590	Address	169.5	North-west
2015	Cars - New	Northshore Autogroup	10 Herbert St St Leonards NSW 2065	Address	169.5	North-west
1970	COPPER DIST.—TUBING	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert S.,St. Leonards	Address	171.8	North-west
1970	IRON MERCHANTS	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1970	PIPE MFRS.—STEEL (BLACK. GALVANISED, Etc.)	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1970	PLUMBERS' SUPPLIES	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1970	STEEL RAILS—NEW/USED—DISTRIBUTORS	Stewarts & Lloyds (Dist.) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1970	STEEL TUBING MFRS./DISTRIBUTORS	Stewarts & Lloyds (Dist.) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1970	VALVES/COCKS (STEAM/LIQUID, Etc.) MFRS./DISTS.	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1970	WELDING EQUIPMENT & SUPPLIES MFRS. &/OR DISTS	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1970	WIRE NETTING MFRS &/OR DISTS.	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1970	BARBED WIRE MFRS. &/OR DISTS.	Stewart & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,NSW	Address	171.8	North-west
1970	STEEL MERCHANTS—GENERAL	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert Sl. St. Leonards,NSW	Address	171.8	North-west
1970	Engineers-Installation &/or Maintenance	Tubemakers Of Australia Ltd	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1970	Pipes & Fittings-Metal	Tubemakers of Aust Ltd	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1970	Steel Merchants	Tubemakers of Aust Ltd	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1970	Tube Bending	Tubemakers of Aust Ltd	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1970	Tubes - Steel	Tubemakers of Aust Ltd (Stewart & Lloyds Division)	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1970	Valves-Mfrs. &/or W'salers	Tubemakers Of Aust Ltd	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1970	STEEL MERCHANTS—BLACK SHEETS/ STRIP	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	STEEL MERCHANTS &/OR MFRS.- BRIGHT BARS & SECTIONS	Stewarts & Lloyds (Distributors) Pty. Ltd.,	39 Herbert St.,St. Leonards	Address	171.8	North-west
1980	Photo Finishing	Pacific Pictureland (Shops)	57 Herbert St.,St. Leonards,NSW	Address	171.8	North-west
1980	Steel Merchants	Tubemakers of Australia Ltd	39 Herbert St.,St. Leonards,NSW	Address	171.8	North-west
1980	Pipes & Fittings - Metal	Tubemakers of Australia Ltd	39 Herbert St.,St. Leonards,NSW	Address	171.8	North-west
1980	Pipes & Fittings - Plastic	Tubemakers of Australia Ltd	39 Herbert St.,St. Leonards,NSW	Address	171.8	North-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange The	4 Herbert,St. Leonards,NSW	Address	171.8	North-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange The	4 Herbert,St. Leonards,NSW	Address	171.8	North-west
1990	Telephone Switching & Switchboard Equipment	Phone Exchange The	4 Herbert,St. Leonards,NSW	Address	171.8	North-west
1990	Plastics - Products - Mfrs &/or W'salers	Reflex Pty Ltd	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment ---- Hardware	Digital Equipment Corporation (Australia) Pty Ltd	(Field Service) 39 Herbert Street,Saint Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment-- Hardware	Digital Equipment Corporation (Australia) Pty. Ltd.	39 Herbert,St. Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment-- Hardware	Digital Equipment Corportation (Austalia) Pty. Ltd.	39 Herbert,St. Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment ---- Hardware	Digital Equipment Corporation (Australia) Pty Ltd	39 Herbert St.,St. Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment ---- Hardware	Digital Equipment Corporation (Australia) Pty Ltd	39 Herbert St.,St. Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment - Hardware	Digital Equipment Corporation (Australia) Pty Ltd	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment - Hardware	Digital Equipment Corporation (Austrlia) Pty. Ltd.	39 Herbert,St. Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment- Hardware	Digital Equipment Corporation (Australia) Pty Ltd	39 Herbert Street,St Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment ---- Hardware	Digital Equipment Corporation (Australia) Pty Ltd	39 Herbert Street,St. Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment-- Hardware	Digital Equipment Corportation (Australia) Pty. Ltd.	39 Herbert,St. Leonards,NSW	Address	171.8	North-west
1990	Computer Equipment- Hardware	Digital Equipment Corporation (Australia) Pty. Ltd. (Field Service)	39 Herbert,St. Leonards,NSW	Address	171.8	North-west
2005	Printing Machinery	Currie & Company	1, 39 Herbert St,ST LEONARDS,NSW,1590	Address	171.8	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Display & Exhibition Equipment & Supplies	DisplayBay	Unit 9, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Point of Sale Equipment & Services	DisplayBay, St leonards	Unit 9, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Lighting & Accessories--W'salers & Mfrs	ECC Lighting Limited	Unit 8, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Furniture--W'salers & Mfrs	ECC Living, St leonards	8/ 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Lighting & Accessories--W'salers & Mfrs	iGuzzini#	Unit 8, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Telephone Systems & Equipment	Phoneware Communication Systems Pty Ltd, St leonards	Unit 1/ 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Parking Station Systems & Equipment	Reinho International	Unit 15/ 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Bookbinding Equipment & Supplies; Printers' Supplies & Services	Renz	Unit 10, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Printing Machinery	Renz Binding Systems	10/ 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Paper Cutting & Shredding Machines	Rotatrim	10/ 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Bookbinding Equipment & Supplies	Schmedt Binding Equipment	10/ 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Printers' Supplies & Services	Schmedt Bookbinding Equipment	Unit 10, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Computer Equipment--Hardware	Simms International Pty Ltd	Unit 20 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Electronic Engineers	Sonartech Atlas Pty Ltd	Unit 6, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Electronic Engineers	STN Atlas Elektronik Pty Ltd	Unit 6/ 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Computer Equipment--Hardware	Lan Systems Pty Ltd	39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Office & Business Systems	Mastershred	Unit 10, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Office & Business Systems; Paper Cutting & Shredding Machines; Bookbinders; Bookbinding Equipment & Supplies	Masterbind, St leonards	Unit 10, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Paper Cutting & Shredding Machines; Bookbinders; Laminating Services; Printers' Supplies & Services	Masterbind International Pty Ltd, St leonards	10/ 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Recycling Services	Mastershred Shredding Machines	Unit 10, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west
2005	Computer Equipment--Hardware	Ice Systems	Level 1 Unit 20, 39 Herbert St,ST LEONARDS,NSW,2065	Address	171.8	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2010	Stationery - M/factrs & W/sale	N R Walker (Australia) Pty Ltd	39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Lighting Fixtures & Accessories - M/factrs & W/salers	Iguzzini#	Unit 8 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Warehousing & Warehousing Systems	Supply Today Pty Ltd	Unit 18 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Hairdressers' Supplies	Tigi Australia Pty Ltd	Unit 21/ 39 Herbert St ST LEONARDS 1590 NSW	Address	171.8	North-west
2010	Car Park Systems & Equipment	Reinho International	Unit 15/ 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Lighting Specialists	Searchlights 'R' Us	Unit 20/ 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Telecommunication Consultants	Interactive Telecoms Pty Ltd	Ground Floor 39A Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Bookbinding Services	Masterbind International Pty Ltd	Unit 10 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Printers' Services & Supplies	A M International Pty Ltd	39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Telephone Systems - Equipment & Machinery	Integ Communications	Unit 5 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Telephone Systems - Equipment & Machinery	Phoneware Communication Systems Pty Ltd	Unit 1/ 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Bookbinding Supplies & Equipment	Planax Binding Equipment	14/ 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Bookbinding Supplies & Equipment	Renz	14/ 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Bookbinding Supplies & Equipment	Renz Australia Pty Ltd	10/ 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Printers' Services & Supplies	Renz Binding Systems	14/ 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Paper Shredding Machines & Guillotines	Rotatrim	14 39 Herbert St ST LEONARDS 2065 NSW	Address	171.8	North-west
2010	Bookbinding Supplies & Equipment	Currie & Company	1 39 Herbert St ST LEONARDS 1590 NSW	Address	171.8	North-west
2010	Printers' Services & Supplies	Currie Group The	1 39 Herbert St ST LEONARDS 1590 NSW	Address	171.8	North-west
2015	Flag & Banner M/Factrs	A Sign-A-Rama	Unit 2 41 Herbert St Artarmon NSW 2064	Address	171.8	North-west
2015	Dental Equipment & Supplies	Sirona Dental Systems Pty Ltd	Unit 19 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Printers - General	A M International Pty Ltd	39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Car Park Systems & Equipment	Reinho International	Unit 15/ 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Lighting Fixtures & Accessories - M/Factrs & W/Salers	ECC Lighting Limited	Unit 8 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Lighting Fixtures & Accessories - M/Factrs & W/Salers	iGuzzini#	Unit 8 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Printing - Machinery New & Reconditioned	Kugler Auto Punching Machines	14/ 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2015	Recyclers	Mastershred Shredding Machines	Unit 14 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Bookbinding Supplies & Equipment	Planax Binding Equipment	14/ 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Bookbinding Supplies & Equipment	Renz Australia Pty Ltd	10 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Printers - General	Renz Binding Systems	14/ 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Laminating & Block Mounting Services & Equipment	Renz Masterbind	Unit 14 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Paper Shredding Machines & Guillotines	Rotatrim	14 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Printers - General	Schmedt Bookbinding Equipment	Unit 14 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Lighting Specialists	GOLC	Unit 20/ 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Lighting Specialists	Searchlights 'R' Us	Unit 20/ 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Lighting Specialists	Showcorp Group The	Unit 20/ 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2015	Telephone Systems - Equipment & Machinery	Integ Communications	5 39 Herbert St St Leonards NSW 2065	Address	171.8	North-west
2010	Photographer - Industrial & Commercial	Tim Wheeler Photography Pty Ltd	12/6 Herbert St ST LEONARDS 2065 NSW	Address	183.1	South
2005	Swimming Pool Construction	Anchor Pools Construction Pty Ltd, Naremburn	62 Dalleys Rd,NAREMBURN,NSW,2065	Address	193.0	East
2005	Landscape Supplies	Lattice & Landscaping Pty Ltd	62 Dalleys Rd,NAREMBURN,NSW,2065	Address	193.0	East
1970	Gas Burners &/or Equipment	Gas Machinery Co (Canada) Ltd The	2 Frederick Street,St Leonards,NSW	Address	204.3	West
1970	PAPER MERCHANTS	King & Prior Pty. Ltd.,	4 Frederick St.,St. Leonards	Address	204.3	West
1970	Paper Merchants	King & Prior Pty Ltd	4 Frederick Street,St Leonards,NSW	Address	204.3	West
1970	Printers Supplies	King & Prior Pty Ltd	4 Frederick Street,St Leonards,NSW	Address	204.3	West
1970	Motor Cars - New	Grenville Motors Pty Ltd	4 Frederick Street,St Leonards,NSW	Address	204.3	West
1980	Motor Replacement Parts	Grenville Motors Pty Ltd	4 Frederick St.,St. Leonards,NSW	Address	204.3	West
2015	Car Or Mini-Bus Hire	Hunter Holden	10 Herbert St St Leonards NSW 2065	Address	204.3	West
1980	Printers Supplies & Services	King & Prior Pty Ltd	8 Frederick St.,St. Leonards,NSW	Address	222.9	West
1990	PAPER MERCHANTS	? & Pior Pty Ltd	8 Frederick St Leonards Western Australia WA AUSTRALIA	Address	222.9	West
2005	Storage--General	Millers Self Storage, Artarmon	8 Frederick St,ARTARMON,NSW,2064	Address	222.9	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2010	Business - Records Storage & Management	Shredfast Nsw Pty Ltd	8 Frederick St ARTARMON 2064 NSW	Address	222.9	West
2010	Storage - General Facilities & Service	Storage King Artarmon 3	8 Frederick St ARTARMON 2064 NSW	Address	222.9	West
2015	Storage - General Facilities & Service	Storage King Artarmon 3	8 Frederick Street Artarmon NSW 2064	Address	222.9	West
1965	Electrical Appliances & Equipment Mfrs	LEMBKE ASSOCIATED ELEC PRODUCTS PTY LTD	2b,NorthcoteSt,NSW	Address	235.6	South-east
1965	Engineers—Electronic	Lembke Associated Electrical Products Pty Ltd	2b,Northcote,NSW	Address	235.6	South-east
1970	ELECTRIC SWITCH & CONTROL GEAR MFRS. &/OR DISTS.	Lembke Associated Electrical Products Pty. Ltd.,	2B North- Cote St.,St. Leonards	Address	235.6	South-east
1970	ELECTRIC TIME/RECORDING SYSTEMS SPECIALISTS	Lembke Associated Electrical Products Pty. Ltd.,	2B North Cote St.,St. Leonards	Address	235.6	South-east
1970	ELECTRICAL SWITCHBOARD MANUFACTURERS	Lembke Associated Electrical Products Pty. Ltd.,	2B Northcote St.,St. Leonards	Address	235.6	South-east
1970	ELECTRONIC EQUIPMENT MFRS. &/OR DISTRIBUTORS	Lembke Associated Electrical Products Pty. Ltd.,	2B Northcote St.,St. Leonards	Address	235.6	South-east
1970	ELECTRONICS—INDUSTRIAL CONTROL EQUIPMENT MFRS.	Lembke Associated Electrical Products Pty. Ltd.,	2B North Cote St.,St. Leonards	Address	235.6	South-east
1970	MANUFACTURERS' AGENTS	Pritchett, Beal Pty. Ltd.,	2B Northcote St.,St. Leonards	Address	235.6	South-east
1970	RECORDING EQUIPMENT MFRS., IMPORTS. &/OR DISTS	Lembke Associated Electrical Products Pty. Ltd.,	2B Northcote St.,St. Leonards	Address	235.6	South-east
1970	Ovens-Industrial	Beal Pritchett Pty Ltd	2b Northcote Street,St Leonards,NSW	Address	235.6	South-east
1970	ELECTRIC COIL-WINDING/ TRANSFORMER SPECIALISTS	Lembke Associated Electrical Products Pty. Ltd.,	2B North Cote St.,St. Leonards	Address	235.6	South-east
1980	Printers - General	Pinwheel Colour	2b Northcote St.,St. Leonards,NSW	Address	235.6	South-east
1990	Screen Printers	Pinwheel Colour System	2b Northcote,St Leonards,NSW	Address	235.6	South-east
1990	Screen Printers	Pinwheel Screen Printing	2b Northcote,St Leonards,NSW	Address	235.6	South-east
2010	Typesetters	Lettercraft Pty Ltd	2B Northcote St NAREMBURN 2065 NSW	Address	235.6	South-east
1970	ULTRASONIC CLEANING & WELDING EQUIPMENT	ULTRASONIC INDUSTRIES PTY LTD	8 Northcote St.,St. Leonards	Address	241.0	South-east
1970	MANUFACTURERS' AGENTS	Lucas, K. R. & Co. Pty. Ltd.,	10 Northcote St.,St Leonards	Address	241.0	South-east
1970	TIMBER IMPORTERS &/OR DISTRIBUTORS	Prewood Distributors Pty. Ltd.,	12 Northcote St.,St. Leonards	Address	241.0	South-east
1970	TYRE PATCH MFRS.	Mensdorff Pty. Ltd.,	10 Northcote St.,St. Leonards	Address	241.0	South-east
1970	VENEER MANUFACTURERS &/OR MERCHANTS	Prewood Distributors Pty. Ltd.,	12 Northcote St.,St. Leonards	Address	241.0	South-east
1970	VETERINARY SUPPLIES & INSTRUMENTS—MFRS. &/OR DISTRIBUTORS	Northern Veterinary Supplies Pty. Ltd.,	8 Northcote St.,St. Leonards	Address	241.0	South-east
1970	Electronic Engineers	Ultrasonic Industries Pty Ltd	8 Northcote Street,St Leonards,NSW	Address	241.0	South-east
1970	Ultrasonic Equipment & Supplies	Sanophon - Ultrasonic Industries Pty Ltd	8 Northcote Street,St Leonards,NSW	Address	241.0	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	Laminated Panels	Prewood Distributors Pty Ltd	12 Northcote Street,St Leonards,NSW	Address	241.0	South-east
1970	AGRICULTURAL CHEMICALS—IMPS. &/OR DISTS.	Northern Veterinary Supplies Pty. Ltd.,	8 Northcote St.,St. Leonards	Address	241.0	South-east
1970	MOTOR ACCESSORIES—W'SALE	Lawlor, Brian Automotive Pty. Ltd.,	12A Northcote St.,St. Leonards	Address	241.0	South-east
1970	MOTOR SPARE PARTS DEALERS— RETAIL	Lawlor Brian Automotive Pty. Ltd,	12A Northcote St.,St. Leonards	Address	241.0	South-east
1970	Motor Accessories-Mfrs. &/or W'salers	Cibie Automotive Lamps	12a Northcote Street,St Leonards,NSW	Address	241.0	South-east
1970	Motor Accessories-Mfrs. &/or W'salers	HOldsworth John Automotive Lighting Co	12a Northcote Street,St Leonards,NSW	Address	241.0	South-east
1970	Photographers-Commercial & Industrial	Nichols Norman Studio	10b Northcote Street,St Leonards,NSW	Address	241.0	South-east
1970	Rubber Products - Mfrs. &/or W'salers	Mensdorff EA Pty Ltd	10 Northcote Street,St Leonards,NSW	Address	241.0	South-east
1980	Laminates &/or Laminated Panels	Prewood Distributors Pty. Ltd.	12 Northcote Street,St. Leonards,NSW	Address	241.0	South-east
1980	Carpet or Lounge Suite Cleaning & Protection	S & D Carpetcare & Pest Control	8b Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Cleaning - Home	S & D Carpetcare & Pest Control	8b Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Labelling Machinery	Rapid Machinery Co	8c Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Labels-Metal Foil, Paper &/or Plastic	Rapid Packaging Services Pty Ltd	8c Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Laminates &/or Laminated Panels	Oberflex Distributors	12 Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Laminates &/or Laminated Panels	Prewood Distributors Pty Ltd	12 Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Motor Accessories - Mfrs &/or W'salers	Cibie Automotive Lamps (Holdsworth John Automotive Lighting Co Pty Ltd)	12a Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Motor Accessories - Mfrs &/or W'salers	Holdsworth John Automotive Lighting Co Pty Ltd	12a Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Motor Replacement Parts	Holdsworth John Automotive Lighting Co Pty Ltd	12a Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Music Amplfication Equipment &/or services	Acoustic Design & Engineering Pty Ltd	8 Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Pest Control	S & D Carpetcare & Pest Control	8b Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Photographers-Advertising & Fashion	Nicholls Norman Studio	10b Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Pressure Sensitive Adhesive Materials - Mfrs &/or W'salers	Rapid Packaging Services Pty Ltd	8c Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Timber Agents	Prewood Distributors Pty Ltd	12 Northcote St.,St. Leonards,NSW	Address	241.0	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Tyres - Recapping, Retreading & Repairing	Mensdorff E A Pty Ltd	10 Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Fire Protection Equipment & Consultants	Pekon Fire Protection	8a Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Motor Accessories - Retail	Cibie Automotive Lamps (Holdsworth John Automotive Lighting Co Pty Ltd)	12a Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Motor Accessories - Retail	Holdsworth John Automotive Lighting Co Pty Ltd	12a Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1980	Photographers-Commercial & Industrial	Nicholls Norman Studio	10b Northcote St.,St. Leonards,NSW	Address	241.0	South-east
1990	Printers - General	Magnum Print & Paper Coating	8c Northcote,St Leonards,NSW	Address	241.0	South-east
1990	Fire Protection Equipment & Consultants	Clyde-Pekon	8 Northcote,St Leonards,NSW	Address	241.0	South-east
2005	Fountains, Statuary & Sundials	ACO Moulding & Model Making	10b Northcote St,ST LEONARDS,NSW,2065	Address	241.0	South-east
2005	Electrical Contractors	Archetype Electrical Pty Ltd	Unit 4 8 Northcote St,ST LEONARDS,NSW,2065	Address	241.0	South-east
2005	Photographers--Advertising & Fashion	Brilliant Pictures Pty Ltd	8 Northcote St,ST LEONARDS,NSW,2065	Address	241.0	South-east
2005	Building Contractors	Capital Construction & Refurbishing Pty Ltd	8 Northcote St,ST LEONARDS,NSW,2065	Address	241.0	South-east
2005	Doors & Door Fittings	K R Lucas & Co Pty Ltd	10 Northcote St,ST LEONARDS,NSW,2065	Address	241.0	South-east
2010	Welding	Mobility Welding	10B Northcote St NAREMBURN 2065 NSW	Address	241.0	South-east
2010	Door & Gate Equipment - Automatic	K R Lucas & Co Pty Ltd	12 Northcote St ST LEONARDS 2065 NSW	Address	241.0	South-east
2015	Welding	Mobility Welding	10 Northcote St Naremburn NSW 2065	Address	241.0	South-east
1970	MOTOR TOWING SERVICES	Caldwell. J. N. Pty. Ltd.,	20-22 Northcote Street,St. Leonards	Address	241.4	South-east
1970	MOTOR PANEL BEATERS	Caldwell, J. N. Pty. Ltd.,	20-22 Northcote St.. St. Leonards,NSW	Address	241.4	South-east
1980	Builders & Contractors	Quota Corporation Ltd	14 Northcote St.,St. Leonards,NSW	Address	241.4	South-east
2010	Motor Cycle - New Parts & Accessories Retail	Wmc Customs	17/ 18 Northcote ST LEONARDS 2065 NSW	Address	241.4	South-east
1970	ENGINEERS—AIR CONDITIONING	S. F. Australia Pty. Ltd.,	6 Northcote St.,St. Leonards	Address	244.5	South-east
1970	ENGINEERS—INDUSTRIAL	S.F. (Australia) Pty. Ltd.,	6 Northcote St.,St. Leonards	Address	244.5	South-east
1970	ENGINEERS—MARINE	S.F. (Australia) Pty. Ltd.,	6 Northcote St.,St. Leonards	Address	244.5	South-east
1970	ENGINEERS—POWER PLANT	S.F. (Australia) Pty. Ltd.,	6 Northcote St.,St. Leonards	Address	244.5	South-east
1970	ENGINEERS—WATER TREATMENT	S.F. (Australia) Pty. Ltd.,	6 Northcote St.,St. Leonards	Address	244.5	South-east
1970	ENGINEERS—HOT WATER, HEATING/ VENTILATING	S.F. (Australia) Pty. Ltd.,	6 Northcote St„ St. Leonards,NSW	Address	244.5	South-east

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1970	Cooling Towers	S F Aust Pty Ltd	6 Northcote Street,St Leonards,NSW	Address	244.5	South-east
1970	Dust & Fume Control Equipment	S.F. Aust Pty Ltd	6 Northcote Street,St Leonards,NSW	Address	244.5	South-east
1970	Fans & Blowers-Mfrs.	S.F. Aust Pty Ltd	6 Northcote Street,St Leonards,NSW	Address	244.5	South-east
1970	Drying Equipment-Industrial	S.F. Aust Pty Ltd	6 Northcote Street,St Leonards,NSW	Address	244.5	South-east
1990	Electrical Accessories - Mfrs &/or W'salers	Beal Pritchett Pty Ltd	6 Northcote,St Leonards,NSW	Address	244.5	South-east
2005	Lighting & Accessories--W'salers & Mfrs	Beal Pritchett Pty Ltd	6 Northcote St,ST LEONARDS,NSW,2065	Address	244.5	South-east
2015	Lighting Fixtures & Accessories - M/Factrs & W/Salers	Beal Pritchett Pty Ltd	6 Northcote St St Leonards NSW 2065	Address	244.5	South-east
1965	Engineers—Fans & Blowers	STATTER PROJECTS PTY LTD	4c,NorthcoteSt,NSW	Address	244.9	South-east
1970	ELECTRONIC EQUIPMENT MFRS. &/OR DISTRIBUTORS	Daniel Electronics Company Pty. Ltd.	4 Northcote Street,St. Leonards	Address	244.9	South-east
1970	ELECTRONICS—INDUSTRIAL CONTROL EQUIPMENT MFRS.	Daniel Electronics Co. Pty. Ltd.,	4 Northcote St.,St. Leonards	Address	244.9	South-east
1970	ENGINEERS—ELECTRONIC	Daniel Electronics Co. Pty. Ltd.,	4 Northcote St.,St. Leonards	Address	244.9	South-east
1980	Hardware - W'sale	Parkware Pty Ltd	4 Northcote St.,St. Leonards,NSW	Address	244.9	South-east
1980	Motor Replacement Parts	Auto France Pty Ltd	4 Northcote St.,St. Leonards,NSW	Address	244.9	South-east
1980	Packaging, Filling & Assembling Services	Pakad Pty Ltd	4 Northcote St.,St. Leonards,NSW	Address	244.9	South-east
1980	Packaging, Filling & Assembling Services	Parkware Pty Ltd	4 Northcote St.,St. Leonards,NSW	Address	244.9	South-east
1980	Motor Accessories - Retail	Alto Ford--Artarmon	A2 Chandos St.,St. Leonards,NSW	Address	246.8	South-east
1990	Motor Engineers & Repairers	Alto Service	A2 Chandos Street,Saint Leonards,NSW	Address	246.8	South-east
2010	Engineers - Motor & Repairers	Alto Service St Leonards	A2 Chandos ST LEONARDS 2065 NSW	Address	246.8	South-east
1950	Builders & Contrators	Cox G	13 Herbert,Artarmon,NSW	Address	247.5	South
1965	Aquariums & Supplies	C.M. ENGINEERING PTY LTD	9,HerbertSt,NSW	Address	247.5	South
1970	ENGINEERS—GENERAL &/OR MFRG. &/OR MECHANICAL	C.M. Engineering Pty. Ltd.,	9 Herbert St.,St. Leonards	Address	247.5	South
1970	Plastics-Toolmakers & Engineers	C.M. Engineering Pty Ltd	9 Herbert Street,St Leonards,NSW	Address	247.5	South
1980	Plastics - Moulders	C M Engineering Pty Ltd	9 Herbert St.,St. Leonards,NSW	Address	247.5	South
1980	Plastics - Toolmakers & Engineers	C M Engineering Pty Ltd	9 Herbert St.,St. Leonards,NSW	Address	247.5	South
1970	NAME PLATE MFRS.	Presson Products Pty. Ltd.,	6 Frederick St.,St. Leonards	Address	247.9	West
1970	PRINTERS—FLEXOGRAPHIC	Labels & Tapes Pty. Ltd.,	6 Frederick St.,St. Leonards	Address	247.9	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	SCREEN PROCESS PRINTERS	Labels & Tapes Pty. Ltd.,	6 Frederick St.,St. Leonards	Address	247.9	West
1970	SCREEN PROCESS PRINTERS	Presson Products Pty. Ltd.,	6 Frederick St.,St. Leonards	Address	247.9	West
1970	Motor Engineers & Repairers	Cheetham's Garage	6 Frederick Street,St Leonards,NSW	Address	247.9	West
1980	Motor Engineers & Repairers	Cheetham's Garage	6 Frederick St.,St. Leonards,NSW	Address	247.9	West
2005	Grocers--W'sale	Campbells Cash & Carry Pty Ltd, St leonards	6 Frederick St,ST LEONARDS,NSW,2065	Address	247.9	West
2015	Grocers - W/Salers	Campbells Cash & Carry	6 Frederick St St Leonards NSW 2065	Address	247.9	West
1970	RECORD MANUFACTURERS &/OR IMPORTERS	Carinia Pty. Ltd.,	2 Northcote St.,St. Leonards	Address	254.4	South-east
1970	FILM PRODUCERS	Workshop Films,	2 Northcote St.,St. Leonards	Address	254.4	South-east
1970	Photographers-Advertising & Fashion	U.C.E. Pty Ltd	2 Northcote Street,St Leonards,NSW	Address	254.4	South-east
1980	Hospital Equipment &/or Supplies	Collson House Distributors Pty Ltd	2 Northcote St.,St. Leonards,NSW	Address	254.4	South-east
1980	Invalid Aids &/or Equipment	Collson House Distributors Pty Ltd	2 Northcote St.,St. Leonards,NSW	Address	254.4	South-east
1980	Medical Supplies	Collson House Distributors Pty Ltd	2 Northcote St. (Showroom & Warehouse),St. Leonards,NSW	Address	254.4	South-east
1980	Surgical Supplies	Collson House Distributors Pty Ltd	2 Northcote St.,St. Leonards,NSW	Address	254.4	South-east
1980	Radio Communication Eqipment & Systems	T J H Communication Engineers	2 Northcote St.,St. Leonards,NSW	Address	254.4	South-east
1990	Fleet Management Services	Avis Car Leasing	2 Northcote Street,St Leonards,NSW	Address	254.4	South-east
1990	Motor Vehicle Leasing	Avis Car Leasing	2 Northcote,St Leonards,NSW	Address	254.4	South-east
1990	Fleet Management Services	Avis Car Leasing	2 Northcote Street,St Leonards,NSW	Address	254.4	South-east
1990	Motor Vehicle Leasing	Avis Car Leasing	2 Northcote Street,St Leonards,NSW	Address	254.4	South-east
1990	Fleet Management Services	Avis Car Leasing	2 Northcote,St. Leonards,NSW	Address	254.4	South-east
1990	Motor Vehicle Leasing	Avis Car Leasing	2 Northcote,St. Leonards,NSW	Address	254.4	South-east
2015	Typesetters	Lettercraft Pty Ltd	2b Northcote St St Leonards NSW 2065	Address	254.4	South-east
2015	Photography Processing Services - Professional	Vision Graphics	2B Northcote St St Leonards NSW 2065	Address	254.4	South-east
2015	Curtains - Custom & Ready-Made	Cool Art Design	1 8 Northcote St Crows Nest NSW 2065	Address	258.1	South-west
2015	Machinery New - General	Eyemakers Pty. Ltd.	43 Hume St Crows Nest NSW 2065	Address	258.1	South-west
2015	Drainers & Drainage Services	Turf Drain	65 Hume St Crows Nest NSW 2065	Address	258.1	South-west
2015	Breweries & Beer Importers	Coka-Cola Company P/L	3-21 Christy St St Leonards NSW 2065	Address	258.1	South-west
2015	Engineers - Motor & Repairers	Alto Landrover-service	2a Chandos St St Leonards NSW 2065	Address	258.1	South-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2015	Transport & Transportation Service	China Shipping	96 Pacific Hwy St Leonards NSW 2065	Address	258.1	South-west
2015	Photography Processing Services - Domestic	Bytecell Pty Ltd	92 Chandos St St Leonards NSW 2065	Address	258.1	South-west
2015	Swimming Pool - Construction & Installation	Hiroto Homma Swim School	U 509 40-48 Atchison St St Leonards NSW 2065	Address	258.1	South-west
2015	Telephone Recorded Information Services	Zintel	6-12 Atchison St St Leonards NSW 2065	Address	258.1	South-west
2015	Car Accessories - Retail	Gravity	L 9 28-34 Clarke St Crows Nest NSW 2065	Address	258.1	South-west
2015	Car Accessories - Retail	The Promise	L 7 28-34 Clarke St Crows Nest NSW 2065	Address	258.1	South-west
2015	Telephone Recorded Information Services	Double Negative Solutions	S 203 38 Oaxley St St Leonards NSW 2065	Address	258.1	South-west
2015	Car Accessories - Retail	Redzed St Leonards	Se 12 82-86 Pacific Hwy St Leonards NSW 2065	Address	258.1	South-west
2015	Transport - Forwarding Agents	Beyond Borders Express	S 5 30 Albany St St Leonards NSW 2065	Address	258.1	South-west
2015	Hospitals - Public	Diabetes	L 4 80-84 Chandos St St Leonards NSW 2065	Address	258.1	South-west
2015	Effluent Treatment Equipment & Services	Australian Cabler Registration Service	L 4 30 Atchison St St Leonards NSW 2065	Address	258.1	South-west
2015	Telephone Recorded Information Services	Zintel Wholesale	Level 3 6-12 Atchison St St Leonards NSW 2065	Address	258.1	South-west
1980	Printers - Lithographic	North Shore Stationery & Printing Pty Ltd	41 Herbert St.,Artarmon,NSW	Address	258.3	North-west
1990	Printers - General	Contact Printing Pty Ltd	41 Herbert,Artarmon,NSW	Address	258.3	North-west
1990	Fire Protection Equipment & Consultants	Matthew Hall Maintenance Pty Ltd	41 Herbert,Artarmon,NSW	Address	258.3	North-west
2005	Promotional Products	A Prominent Profile Promotions Pty Ltd	Unit 2 41 Herbert St,ARTARMON,NSW,2064	Address	258.3	North-west
2005	Satellite Equipment & Services	Marlec Pty Ltd	Unit 3, 41 Herbert St,ARTARMON,NSW,2064	Address	258.3	North-west
1965	Publishers	Australian Visual Education Pty Ltd	120,Christie,NSW	Address	260.4	South-east
1970	OIL EXPLORATION COMPANIES	Geophysical Service International ,	120 Christie St.,St. Leonards	Address	260.4	South-east
1970	GEOPHYSICAL CONSULTANTS	Geophysical Service International,	120 Christie St.,St. Leonards	Address	260.4	South-east
1970	OIL DRILLING & EXPLORATION EQUIP.	Geophysical Service International,	120 Christie St.,St. Leonards	Address	260.4	South-east
2015	Photographer - General	Maynard Imaging Pty Ltd	Level 2 120 Christie St St Leonards NSW 2065	Address	260.4	South-east
1980	Carpenters & Joiners	Salma B V	1 Francis St.,Naremburn,NSW	Address	263.7	North
1970	Abattoir Engineers	Matthew Hall (Pty) Ltd	116 Christie Street,St Leonards,NSW	Address	276.3	South-east
1970	Advertising-General	Holt E G & A… (NSW) Pty Ltd	116 Christie Street,St Leonards,NSW	Address	276.3	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	Artists-Commercial	Black David Pty Ltd	116 Christie Street,St Leonards,NSW	Address	276.3	South-east
1970	Chemical Engineers	Matthew Hall Pty Ltd	116 Christie Street,St Leonards,NSW	Address	276.3	South-east
1970	Mechanical Engineers	Matthew Hall (Pty) Ltd	116 Christie Street,St Leonards,NSW	Address	276.3	South-east
1970	Fire Protection Appliances & Engineers	Matthew Hall Pty Ltd	116 Christie Street,St Leonards,NSW	Address	276.3	South-east
1970	Air Conditioning-Commercial & Industrial	Air Conditioning Federation Of NSW Pty Ltd - Matthew Hall (Pty) Ltd	116 Christie Street,St Leonards,NSW	Address	276.3	South-east
1980	Chemical Engineers	Matthew Hall (Pty) Ltd	116 Christie St.,St. Leonards,NSW	Address	276.3	South-east
1980	Mechanical Engineers	Matthew Hall (Pty) Ltd	116 Christie St.,St. Leonards,NSW	Address	276.3	South-east
1980	Air Conditioning - Engineers	Matthew Hall (Pty) Ltd	116 Christie St.,St. Leonards,NSW	Address	276.3	South-east
1980	Fire Protection Equipment & Consultants	Matthew Hall (Pty) Ltd	116 Christie St.,St. Leonards,NSW	Address	276.3	South-east
2005	Display & Exhibition Equipment & Supplies; Point of Sale Equipment & Services	EGR Display	Level 2 118 Christie St,ST LEONARDS,NSW,2065	Address	276.3	South-east
2005	Packaging Materials; Point of Sale Equipment & Services; Wine Racks & Storage	EGR Displays	Level 2/ 118 Christie St,ST LEONARDS,NSW,2065	Address	276.3	South-east
2005	Plastics--Products--W'salers & Mfrs	EGR Industrial	Level 2 118 Christie St,ST LEONARDS,NSW,2065	Address	276.3	South-east
2005	Computer Equipment--Repairs, Service & Upgrades	Kensington Computer Services	118 Christie St,ST LEONARDS,NSW,2065	Address	276.3	South-east
2005	Mining Companies	Cullen Resources Nl	118 Christie St (Level 4),ST LEONARDS,NSW,2065	Address	276.3	South-east
2010	Car Accessories - M/factrs & W/salers	Egr Automotive	Level 2 116-118 Christie St ST LEONARDS 2065 NSW	Address	276.3	South-east
2010	Mining & Quarry Supplies & Equipment	Cullen Resources Nl	Level 4/ 118 Christie St ST LEONARDS 2065 NSW	Address	276.3	South-east
2010	Telephone Systems - Installation & Maintenance	Gn Netcom	118 Christie St ST LEONARDS 2065 NSW	Address	276.3	South-east
2010	Satellite Services & Equipment	Cpc Technology Management Pty Ltd	Lvl1/ 118 Christie St ST LEONARDS 2065 NSW	Address	276.3	South-east
2010	Mining Companies & Exploration	Weeroona Investments Pty Ltd	Level 4 116-118 Christie St ST LEONARDS 2065 NSW	Address	276.3	South-east
2010	Packaging Materials Supplies	Egr Displays	Level 2/ 118 Christie St ST LEONARDS 2065 NSW	Address	276.3	South-east
2015	Mining Companies & Exploration	Cullen Resources NL	Level 4/ 118 Christie St St Leonards NSW 2065	Address	276.3	South-east
2015	Packaging Materials Supplies	EGR Displays	Level 2/ 118 Christie St St Leonards NSW 2065	Address	276.3	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2015	Satellite Services & Equipment	CPC Technology Management Pty Ltd	Lvl1/ 118 Christie St St Leonards NSW 2065	Address	276.3	South-east
2005	Rheumatology; Medical Practitioners	Schrieber Leslie Professor	Royal North Shore Hospital Block 4, Level 4,ST LEONARDS,NSW,2065	Address	285.2	South-west
1980	Chemists Supplies	Blau Robert (Australia) Pty Ltd	114 Christie St.,St. Leonards,NSW	Address	291.4	South-east
1970	GAMES MANUFACTURERS	Sands, J. Pty. Ltd.,	14 Herbert St.,Artarmon	Address	292.8	North-west
1970	GREETING CARD MANUFACTURERS &/OR DISTRIBUTORS	Sands, J. Pty. Ltd.,	14 Herbert St.,Artarmon	Address	292.8	North-west
1970	PRINTERS—LETTERPRESS	Sands, J. Pty. Ltd.,	14 Herbert St.,Artarmon	Address	292.8	North-west
1970	PUBLISHERS	Sands, J. Pty. Ltd.,	14 Herbert St.,Artarmon	Address	292.8	North-west
1970	Cards-Christmas & All Occasions-Mfrs. &/or W'salers	Sands John Pty Ltd	14 Herbert Street,Artarmon,NSW	Address	292.8	North-west
1970	Packaging Materials	Shanks Pty Ltd	14 Herbert Street,Artarmon,NSW	Address	292.8	North-west
1970	Printers - Lithographic	Halstead Press Pty Ltd	14 Herbert Street,Artarmon,NSW	Address	292.8	North-west
1970	Printers - Lithographic	Sands John Pty Ltd	14 Herbert Street,Artarmon,NSW	Address	292.8	North-west
1970	Slide Rules & Charts	Perrygraf of Aust Pty Ltd	14 Herbert Street,Artarmon,NSW	Address	292.8	North-west
1970	Printers - Letterpress	Sands John Pty Ltd	14 Herbert Street,Artarmon,NSW	Address	292.8	North-west
1970	Ribbons & Tapes - Mfrs. &/or W'salers	Sands John Pty Ltd	14 Herbert Street,Artarmon,NSW	Address	292.8	North-west
1970	BAKERS' & PASTRYCOOKS' SUPPLIES	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	CAFE EQUIPMENT & SUPPLIES	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	CHAIN BLOCK IMPS. &/OR DISTS.	Noyes Bros, Pty Ltd,	19 Frederick St,St. Leonards	Address	292.8	North-west
1970	COLLIERY SUPPLIES	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	CRANES & DERRICKS—MFRS. &/OR DISTS.	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	CRANES—MOBILE—MANUFACTURERS &/OR DISTRIBUTORS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	FIBREGLASS PRODUCTS MFRS. (MOULDING, FABRICATING, EXTRUSIONS, CONVERTING, Etc.)	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	HOIST MFRS. &/OR DISTS.	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	INSTRUMENTS—ELECTRICAL-MANUFACTURERS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	MACHINERY MERCH./IMPORTERS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	RAILWAY EQUIPMENT MFRS. &/OR DISTRIBUTORS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	RANGES—ELECTRIC—IMPORTERS &/OR DISTRIBUTORS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	RANGES—GAS—IMPORTERS &/OR DISTRIBUTORS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	STONE-CRUSHING EQUIPMENT MFRS./ DISTRIBUTORS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	VALVES/COCKS (STEAM/LIQUID, Etc.) MFRS./DISTS.	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	FORK LIFT TRUCK IMPORTERS &/OR DISTRIBUTORS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	HOSPITAL EQUIPMENT IMPORTS. &/OR DISTRIBUTORS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1970	VACUUM CLEANER MFRS. &/OR WHOLESALERS	Noyes Bros. Pty. Ltd.,	19 Frederick St.,St. Leonards	Address	292.8	North-west
1980	Cards - Greeting Mfrs &/or W'salers	Sands John	14 Hebert St.,Artarmon,NSW	Address	292.8	North-west
1980	Printers - General	Sands John	14 Herbert St.,Artarmon,NSW	Address	292.8	North-west
1990	COMPUTER EQUIPMENT-HARDWARE	Sands Business Systems	14 Herbert Artarmon Artarmon WA AUSTRALIA	Address	292.8	North-west
2005	Radio Stations	SBS Radio, Artarmon	14 Herbert St,ARTARMON,NSW,2064	Address	292.8	North-west
2005	Television Stations	SBS Television, Artarmon	14 Herbert St,ARTARMON,NSW,2064	Address	292.8	North-west
2010	Video & DVD Production & Duplication Service	Sbs Language Services	14 Herbert St ARTARMON 2064 NSW	Address	292.8	North-west
2010	Fasteners - Commercial/Industrial	Moregood Fastener System	3 Frederick St ARTARMON 2064 NSW	Address	292.8	North-west
2015	Boxes & Cartons - Cardboard New	Kennards Self Storage	3 Frederick St Artarmon NSW 2064	Address	292.8	North-west
1970	Air Compressors &/or Equipment	Donkin	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1970	Electrical Switches & Control Equipment	Hawker Siddeley Brush Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1970	Fuses-Electric	Hawker Siddeley Brush Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1970	Materials Handling Equipment	Hawker Siddeley Brush Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1970	Sewage Treatment & Disposal Plants	Hawker Siddeley Brush Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1970	Transformers	Hawker Siddeley Brush Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1970	Electric Motors & Generators	Brush	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1970	Electric Motors & Generators	Hawker Siddeley Brush Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1980	Electrical Switches & Control Equipment	Brush (Hawker Siddeley Engineering Pty Ltd)	12 Frederick St.,St. Leondards,NSW	Address	292.9	West
1980	Fuses - Electric	Brush (Hawker Siddeley Engineering Pty Ltd)	12 Frederick St.,St. Leonards,NSW	Address	292.9	West
1980	Electrical Switches & Control Equipment	Brush	12 Frederick Street,St. Leonards,NSW	Address	292.9	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Fuses--Electric	Brush	12 Frederick Street,St. Leonards,NSW	Address	292.9	West
1980	Electric Motors & Generators	Hawker Siddely Engineering Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1980	Electrical Switches & Control Equipment	Brush (Hawker Siddeley Engineering Pty Ltd)	12 Frederick Street,St. Leonards,NSW	Address	292.9	West
1980	Fuses-Electric	Brush (Hawker Siddeley Engineering Pty Ltd)	12 Frederick Street,St. Leonards,NSW	Address	292.9	West
1980	Electric Motors & Generators	Hawker Siddeley Engineering Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1980	Electrical Switches & Control Equipment	Brush - Hawker Siddeley Engineering Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1980	Fuses-Electric	Brush-Hawker Siddeley Engineering Pty Ltd	12 Drederick,St Leonards,NSW	Address	292.9	West
1980	Electrical Switches & Control Equipment	Brush	12 Frederick,St. Leonards,NSW	Address	292.9	West
1980	Electrical Switches & Control Equipment	Brush - Hawker Siddeley Engineering Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1980	Fuses-Electric	Brush - Hawker Siddeley Engineering Pty Ltd	12 Drederick Street,St Leonards,NSW	Address	292.9	West
1980	Electrical Switches & Control Equipment	Hawker Siddeley Engineering Pty Ltd	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1980	Electric Motors & Generators	Hawker Siddeley Engineering Pty Ltd	12 Frederick St.,St. Leonards,NSW	Address	292.9	West
1980	Electrical Switches & Control Equipment	Brush (Hawker Siddeley Engineering Pty Ltd)	12 Frederick St.,St. Leonards,NSW	Address	292.9	West
1980	Fuses - Electric	Hawker Siddeley Engineering Pty Ltd	12 Frederick St.,St. Leonards,NSW	Address	292.9	West
1980	Engines - Diesel &/or Equipment & Parts	Gardner (Hawker Siddeley Engineering Pty Ltd)	12 Frederick Street,St. Leonards,NSW	Address	292.9	West
1980	Engines - Diesel &/or Equipment & Parts	Garner (Hawker Siddeley Engineering Pty Ltd)	12 Frederick St.,St. Leonards,NSW	Address	292.9	West
1980	Engines - Diesel &/or Equipment & Parts	Hawker Siddeley Engineering Pty Ltd	12 Frederick St.,St. Leonards,NSW	Address	292.9	West
1985	Plastics-Machinery & Equipment	Noyes Bros Pty Ltd	12 Frederick St St Leonards QLD AUSTRALIA	Address	292.9	West
1990	Computer Equipment-Installation &/or Services	Osborne Computer Australia	12 Frederick Street,Artarmon,NSW	Address	292.9	West
1990	Computer Equipment-Installation &/or Services	Osborne Computers Aust	12 Frederick,St. Leonards,NSW	Address	292.9	West
1990	Computer Equipment--Installation &/or Services	Osborne Computers Australia	12 Frederick,St. Leonards,NSW	Address	292.9	West
1990	Computer Equipment--Installation &/or Services	Osbourne Computers Australia	12 Frederick,Artarmon,NSW	Address	292.9	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1990	Computer Equipment---Installation &/or Services	Osbourne Computers Australia	12 Frederick St.,Artarmon,NSW	Address	292.9	West
1990	Computer Equipment - Installation &/or Services	Osborne Computers Australia	12 Frederick Street,St Leonards,NSW	Address	292.9	West
1990	Computer Equipment--Installation &/or Services	Osborne Computers Australia	12 Frederick,St. Leonards,NSW	Address	292.9	West
2005	Office & Business Systems	Datafile	Unit A/ 12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Advertising--Direct Mail Services; Mail Contractors	Direct Response Australia	Unit D, 65 Reserve Rd,ARTARMON,NSW,2064	Address	292.9	West
2005	Wine & Spirit Merchants	Golden Grape Estate Pty Ltd, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths	Home Locksmiths, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths; Security Doors, Windows & Equipment	Realistic Security	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths	Security Locksmiths	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Printers--General	Spectrum Printing Australia Pty Ltd	Unit 5/ 12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Door & Gate Operating Equipment	Stan Smith Door Service	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Electrical W'salers	TLE Electrical, Artarmon	Unit C, 65 Reserve Rd, St Leonards,ARTARMON, NSW,2064	Address	292.9	West
2005	Electrical W'salers	TLE Electrical, St leonards	Unit C, 65 Reserve Rd,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Printers--General	U.R.I. Printing Industries Pty Ltd	Unit 3, 12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths; Security Systems & Consultants	Chatswood Locksmiths	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Safes & Strongroom Doors	Chatswood Locksmiths, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths; Security Doors, Windows & Equipment; Safes & Strongroom Doors	A.P.I. Security Pty Ltd	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Telephone Systems & Equipment	AAA CTC Retek	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths	API Locksmiths	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Plumbers & Gasfitters; Locks & Locksmiths	API Security Pty Ltd	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Security Doors, Windows & Equipment	API Security Pty Ltd, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Safes & Strongroom Doors	API Security Pty Ltd, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Locks--Mfrs & Distributors	API Security Pty Ltd, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Medical Supplies	ASDM Pty Ltd	Unit 2 12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths	Australian Protection Industries Pty Ltd	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Video Cassette Mfrs & Distributors	CEL Entertainment	6/ 12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths; Safes & Strongroom Doors	Ismays Locksmiths	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths	Lock Technology	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Safes & Strongroom Doors	Lock Technology, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Computer Equipment Supplies	Lord Safe Co, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths; Security Systems & Consultants; Locks--Mfrs & Distributors	North Shore Locksmiths, St leonards	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Safes & Strongroom Doors	North Shore Safe Co	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Locks & Locksmiths	Northside Locksmiths	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2005	Wine & Spirit Merchants	W I V - Australia	12 Frederick St,ST LEONARDS,NSW,2065	Address	292.9	West
2010	Conveying & Elevating Equipment & Systems	Metsys Air Tube Systems	12 Frederick St ST LEONARDS 2065 NSW	Address	292.9	West
2010	Printers - General	Spectrum Printing Australia Pty Ltd	Unit 5/ 12 Frederick St ST LEONARDS 2065 NSW	Address	292.9	West
2010	Computer Equipment - Installation Services	Stronglink/Cdt Pty Ltd	Unit 7 12 Frederick St ST LEONARDS 2065 NSW	Address	292.9	West
2015	Electrical W/Salers	TLE Electrical	Unit C 65 Reserve Rd Artarmon NSW 2064	Address	292.9	West
1965	Builders & Contractors	G RYAN BROS PTY LTD	112,ChristieSt,NSW	Address	305.7	South-east
1970	Fire Protection Appliances & Engineers	Industrial Fire Sprinkler Co Pty Ltd	112 Christie Street,St Leonards,NSW	Address	305.7	South-east
1980	Dictating Machines	Doro Business Products	112 Christie St.,St. Leonards,NSW	Address	305.7	South-east
1965	Galvanising & Tinning—Hot Process	AUSTRALIAN LINE MATERIALS PTY LTD	43,HerbertSt,NSW	Address	307.2	North-west
1970	ELECTRIC SWITCH & CONTROL GEAR MFRS. &/OR DISTS.	Australian Lint Materials Pty. Ltd.,	43 Herbert St.,St. Leonards	Address	307.2	North-west
1970	ELECTRIC TERMINAL MFRS.	Australian Line Materials Pty. Ltd.,	43 Herbert St.,St. Leonards	Address	307.2	North-west
1970	ELECTRICAL TRANSMISSION LINE FITTINGS OR ACCESSORIES— MFRS.&/OR DISTS.	Australian Line Materials Pty. Ltd.,	43 Herbert St.,St. Leonards	Address	307.2	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	GALVANISING & TINNING	Australian Line Materials Pty. Ltd.,	43 Herbert St.,St. Leonards	Address	307.2	North-west
1970	Bolts & Nuts-Mfrs. &/or W'salers	Australian Insulator Ironworks Pty Ltd	43 Herbert Street,St Leonards,NSW	Address	307.2	North-west
1970	Electrical Accessories - Mfrs &/or W'salers	Australian Insulator Ironworks Pty Ltd	43 Herbert Street,St Leonards,NSW	Address	307.2	North-west
1970	Electrical Accessories - Mfrs &/or W'salers	Australian Line Materials Pty Ltd	43 Herbert Street,St Leonards,NSW	Address	307.2	North-west
1970	Electrical Switches & Control Equipment	Australian Line Materials Pty Ltd	43 Herbert Street,St Leonards,NSW	Address	307.2	North-west
1970	Fuses-Electric	Australian Line Materials Pty Ltd	43 Herbert Street,St Leonards,NSW	Address	307.2	North-west
1970	Insulators	Canney & Towe Pty Ltd	43 Herbert Street,St Leonards,NSW	Address	307.2	North-west
1985	Siding	Accord Solid Vinyl Siding	43 Herbert St Artarmon QLD AUSTRALIA	Address	307.2	North-west
1985	Siding	Mastic Pty Ltd	43 Herbert St Artarmon QLD AUSTRALIA	Address	307.2	North-west
1985	Siding	Shurlock Vinyl Siding	43 Herbert St Artarmon QLD AUSTRALIA	Address	307.2	North-west
1990	TELEPHONE SWITCHING & SWITCHBOARD EQUIPMENT	? Systems Wa Pty Ltd	43 Herbert Artarmon Artarmon WA AUSTRALIA	Address	307.2	North-west
1990	Security Systems &/or Consultants	Honeywell Pty. Ltd.	43 Herbert,Artarmon,NSW	Address	307.2	North-west
1990	Security Systems &/or Consultants	Honeywell Pty. Ltd.	43 Herbert,Artarmon,NSW	Address	307.2	North-west
1990	Burglar Alarm Systems	Honeywell Limited Protection Services Division	43 Herbert Street,Artarmon,NSW	Address	307.2	North-west
1990	Security Systems &/or Consultants	Honeywell Limited Protection Services Division	43 Herbert Street,Artarmon,NSW	Address	307.2	North-west
1990	Security Systems &/or Consultants	Honeywell Pty Ltd	43 Herbert Street,Artarmon,NSW	Address	307.2	North-west
1990	Security Systems &/or Consultants	Honeywell Pty. Ltd.	43 Herbert,Artarmon,NSW	Address	307.2	North-west
1990	Security Systems &/or Consultants	Honeywell Pty. Ld.	43 Herbert,Artarmon,NSW	Address	307.2	North-west
2005	Advertising--Direct Mail Services; Direct Marketing Services	CMR Direct	Unit 3/ 43 Herbert St,ARTARMON,NSW,2064	Address	307.2	North-west
2005	Display & Exhibition Equipment & Supplies; Picture Framing Supplies	Framing & Graphic Art Supplies	Unit 7, 43 Herbert St,ARTARMON,NSW,2064	Address	307.2	North-west
2005	Glass Merchants & Glaziers	O'Brien, Artarmon	Unit 1, 43 Herbert St,ARTARMON,NSW,2064	Address	307.2	North-west
2005	Camping Equipment--W'salers & Mfrs	Outdoor Agencies	Unit 6/ 43 Herbert St,ARTARMON,NSW,2064	Address	307.2	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2010	Air Conditioning - Spare Parts	Actrol Parts	7/43-45 Herbert St ARTARMON 2064 NSW	Address	307.2	North-west
2010	Signs & Signage - Illuminated & Neon	A Sign-A-Rama	Unit 2 41 Herbert St ARTARMON 2064 NSW	Address	307.2	North-west
2010	Glass Merchants & Installation Service Glaziers	O'Brien	Unit 1/ 43 Herbert St ARTARMON 2064 NSW	Address	307.2	North-west
2010	Engineers - Motor & Repairers	Nrma Motorserve	8/43-45 Herbert St ARTARMON 2064 NSW	Address	307.2	North-west
2015	Electrical W/Salers	Rexel Artarmon	Unit 1 43 Herbert Street Artarmon NSW 2064	Address	307.2	North-west
2015	Engineers - Motor & Repairers	NRMA MotorServe	Unit 8 43 Herbert St Artarmon NSW 2064	Address	307.2	North-west
2015	Glass Merchants & Installation Service Glaziers	O'Brien	1/ 43 Herbert St Artarmon NSW 2064	Address	307.2	North-west
2015	Air Conditioning - Spare Parts	Actrol Parts	Unit 7 43 Herbert St Artarmon NSW 2064	Address	307.2	North-west
2005	Electrical Contractors	Ross Electrical	46a Northcote St,ST LEONARDS,NSW,2065	Address	308.3	East
2005	Ventilating Equipment & Systems	Accent Air-conditioning & Ventilation Consultancy & Contracting Services	46a Northcote St,ST LEONARDS,NSW,2065	Address	308.3	East
2005	Motor Engineers & Repairers	Accent Mechanical & Automotive Engineering Consultants & Contractors	46a Northcote St,ST LEONARDS,NSW,2065	Address	308.3	East
2010	Fire Prevention Consultants	Accent Fire Protection	46A Northcote St ST LEONARDS 2065 NSW	Address	308.3	East
2015	Fire Prevention Consultants	Accent Fire Protection	46A Northcote St St Leonards NSW 2065	Address	308.3	East
1965	Boiler Inspectors	Wallis C J	18a,Station,NSW	Address	309.5	North
1965	Builders & Contractors	Austin Lance Pty Ltd	18a,Station,NSW	Address	309.5	North
1965	Printers —Lithographic	CUMBERLAND COPYING SERVICE	18a,StationSt,NSW	Address	309.5	North
1940	Builders & Contractors	Girvan Bros	110 Christie,St Leonards,NSW	Address	312.0	South-east
1950	Builders & Contrators	Girvan Bros	110 Christie,St Leonards,NSW	Address	312.0	South-east
1970	FLOOR LAYERS	Cromie&Southgate Pty. Ltd.,	110 Christie St.,St. Leonards	Address	312.0	South-east
1970	FLOOR LAYERS	Southgate Ltd.,	110 Christie St.,St. Leonards	Address	312.0	South-east
1970	FLOOR MATERIAL SPECIALISTS	Cromie & Southgate Pty. Ltd.,	110 Christie St.,St. Leonards	Address	312.0	South-east
1970	FLOOR MATERIAL SPECIALISTS	Southgate Ltd.,	110 Christie St.,St. Leonards	Address	312.0	South-east
1970	Magnesite	Cromie & Southgate Pty Ltd	110 Christie Street,St Leonards,NSW	Address	312.0	South-east
1990	Car &/or Minibus Rental	Avis Australia	110 Christie St.,Leumeah,NSW	Address	312.0	South-east
1990	Car &/or Minibus Rental	Avis Australia	110 Christie Street,St Leonards,NSW	Address	312.0	South-east
1965	Builders & Contractors	Eastment F T&Sons Pty Ltd	22,LambsRd,NSW	Address	313.9	North

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	ENGINEERS—CIVIL	Eastment, F. T.&Sons Pty. Ltd.,	22 Lambs Road,Artarmon	Address	313.9	North
1970	ENGINEERS—CONSTRUCTIONAL	Eastment, F. T.&Sons Pty. Ltd.,	22 Lambs Road,Artarmon	Address	313.9	North
1970	JOINERY MANUFACTURERS	Eastment, F. T.&Sons Pty. Ltd.,	22 Lambs Road,Artarmon	Address	313.9	North
1970	Civil Engineers	Eastment F T & sons Pty Ltd	22 Lambs Road,Artarmon,NSW	Address	313.9	North
1980	Calculators and Adding Machines	Canon Australia Pty Ltd	22 Lambs Road,Artarmon,NSW	Address	313.9	North
1980	Data Processing Equipment	Canon Australia Pty Ltd	22 Lambs Road,Artarmon,NSW	Address	313.9	North
1980	Photo Copies &/or Copying Equipment	Canon Australia Pty Ltd	22 Lambs Road,Artarmon,NSW	Address	313.9	North
1980	Photographic Equipment Mfrs &/or W'salers	Canon Australia Pty Ltd	22 Lambs Road,Artarmon,NSW	Address	313.9	North
1980	Photographic Supplies Mfrs &/or W'salers	Canon Australia Pty Ltd	22 Lambs Road,Artarmon,NSW	Address	313.9	North
2010	Plastic Products M/factrs & W/salers	Plastic Parts Pty Ltd	9/ 21-23 Station St NAREMBURN 2065 NSW	Address	324.7	North-east
1970	MIXED BUSINESSES	Mixed Store at "62,"	62 Mitchell St.,St. Leonards	Address	334.1	East
2005	Picture Framing & Frames	Hardware Picture Framing	62 Mitchell St,ST LEONARDS,NSW,2065	Address	334.1	East
2005	Surveyors--Land	Palaitis Ed & Associates	62 Mitchell St,ST LEONARDS,NSW,2065	Address	334.1	East
1980	Carpets, linoleums & Vinyls - Mfrs &/or W'salers	Jones Newton Pty Ltd	85 Christie St.,St. Leonards,NSW	Address	334.8	South-east
1980	Carpets, linoleums & Vinyls - Mfrs &/or W'salers	Newton Jones Pty Ltd	85 Christie St.,St. Leonards,NSW	Address	334.8	South-east
1970	FILM PRODUCERS	Fauna Productions Pty. Ltd.,	47 Herbert St.,Artarmon	Address	340.9	North-west
1970	Film Producers &/or Laboratories	Faura Films Pty Ltd	47 Herbert Street,Artarmon,NSW	Address	340.9	North-west
1980	Burglar Alarm Systems	P D Security Pty Ltd	47 Herbert Street,Artarmon,NSW	Address	340.9	North-west
1980	Burglar Alarm Systems	P.D. Security Pty. Ltd.	47 Herbert Street,Artarmon,NSW	Address	340.9	North-west
1980	Burglar Alarm Systems	P.D. Security Pty Ltd	47 Herbert Street,Artarmon,NSW	Address	340.9	North-west
1980	Burglar Alarm Systems	P.D. Security Pty Ltd	47 Herbert Street,Artarmon,NSW	Address	340.9	North-west
1980	Burglar Alarm Systems	P D Security Pty Ltd	47 Herbert St.,Artarmon,NSW	Address	340.9	North-west
1980	Mirrors	P D Security Pty Ltd	47 Herbert St.,Artarmon,NSW	Address	340.9	North-west
1980	Television Systems - Closed Circuit	P D Security Pty Ltd	47 Herbert St.,Artarmon,NSW	Address	340.9	North-west
2010	Video & DVD Production & Duplication Service	Engine Pty Ltd	47 Herbert St ARTARMON 2064 NSW	Address	340.9	North-west
2015	Video & Dvd Production & Duplication Service	Engine Pty Ltd	47 Herbert St Artarmon NSW 2064	Address	340.9	North-west
1950	Towing Station	Crows Nest Towing Services	22 Station Street,Naremburn,NSW	Address	341.2	North
1990	Motor Cars - New	Alto Ford	2 Chandos,St Leonards,NSW	Address	342.2	South-east
1990	Panel Beaters &/or Painters	Alto Service	2 Chandos,St Leonards,NSW	Address	342.2	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Motor Replacement Parts	Alto Ford	A 2 Chandos St,ST LEONARDS,NSW,2065	Address	342.2	South-east
2005	Panel Beaters & Painters	Alto Ford, St leonards	A 2 Chandos St,ST LEONARDS,NSW,2065	Address	342.2	South-east
2005	Motor Engineers & Repairers	Alto Ford Service	A 2 Chandos St,ST LEONARDS,NSW,2065	Address	342.2	South-east
2010	Engineers - Motor & Repairers	Ford	2 Chandos St ST LEONARDS 2065 NSW	Address	342.2	South-east
2015	Car Replacement Parts	Alto Ford	A 2 Chandos St St Leonards NSW 2065	Address	342.2	South-east
2015	Engineers - Motor & Repairers	Alto Ford Service	A 2 Chandos St St Leonards NSW 2065	Address	342.2	South-east
2005	Building Contractors	M.P.A Constructions Pty Ltd	26 Waters Rd,NAREMBURN,NSW,2065	Address	347.1	East
2010	Illustrators - General	Pyrzakowski Tony Illustrations	48 Mitchell St ST LEONARDS 2065 NSW	Address	351.5	South-east
2015	Illustrators - General	Pyrzakowski Tony Illustrations	48 Mitchell St St Leonards NSW 2065	Address	351.5	South-east
1965	Chemical Mfrs. &/or Druggists—W'sale	WHOLESALE DRUG CO LTD THE	20,LambsRd,NSW	Address	363.5	North
1970	Chemical Mfrs. &/or Druggists-W'sale	Australian Pharmaceutical Industries Ltd	20 Lambs Road,Artarmon,NSW	Address	363.5	North
2005	Panel Beaters & Painters	Sydney Collision Repair Centre	8-10 Cleg St,ARTARMON,NSW,2064	Address	367.2	North-west
2010	Panel Beaters & Automotive Painting	Car Star	8- 10 Cleg St ARTARMON 2064 NSW	Address	367.2	North-west
2010	Panel Beaters & Automotive Painting	Carstar Sydney Collision Centre	8-10 Cleg St ARTARMON 2064 NSW	Address	367.2	North-west
2010	Panel Beaters & Automotive Painting	Sydney Collision Repair Centre	8-10 Cleg St ARTARMON 2064 NSW	Address	367.2	North-west
1970	ELECTRIC FAN MANUFACTURERS &/OR DISTRIBUTORS	Luminaire Pty. Ltd.,	18 Cleg St.,Artarmon	Address	369.0	North-west
1970	ELECTRIC LAMP (BED, DESK,STANDARD, Etc.) MFRS.	Luminaires Pty. Ltd.,	18 Cleg St.,Artarmon	Address	369.0	North-west
1970	ELECTRIC LIGHT FITTINGS (SHADES, STANDARD BRACKETS, ETC) MFRS. &/OR DISTS.	Luminaires Pty. Ltd.,	18 Cleg St.,Artarmon	Address	369.0	North-west
1980	Motor Accessories - Mfrs &/or W'salers	G H Moldings	18 Cleg St.,Artarmon,NSW	Address	369.0	North-west
1980	Motor Body Trimmers	G H Mouldings	18 Cleg St.,Artarmon,NSW	Address	369.0	North-west
1980	Motor Accessories - Retail	G H Mouldings	18 Cleg St.,Artarmon,NSW	Address	369.0	North-west
1980	Motor Body Builders & Repairers	G H Moldings	18 Cleg St.,Artarmon,NSW	Address	369.0	North-west
2005	Wine & Spirit Merchants	Inglewood Wines Pty Ltd	18-20 Cleg St,ARTARMON,NSW,2064	Address	369.0	North-west
2005	Shop & Office Fitting; Partitions	Nu-Tec	18 Cleg St,ARTARMON,NSW,2064	Address	369.0	North-west
1965	Signs—Advertising	Greenwich Plastics	6,Cleg,NSW	Address	369.3	North
1970	SCREEN PROCESS PRINTERS	Greenwich Screen Printing,	6 Cleg St.,Artarmon	Address	369.3	North
1980	Food Products	Cheng's Noodle Mills Pty Ltd	6 Cleg St.,Artarmon,NSW	Address	369.3	North
1980	Food Products	Long Life Noodle Mills	6 Cleg St.,Artarmon,NSW	Address	369.3	North
1965	Plaster Mfrs	Sundell T A&Sons Pty Ltd	12,Cleg,NSW	Address	370.0	North-west
1970	ENGINEERS—FABRICATING	Tarmon Engineering Pty. Ltd,,	12 Clegg St.,Artarmon	Address	370.0	North-west
1970	ENGINEERS—GENERAL &/OR MFRG. &/OR MECHANICAL	Tarmon Engineering Pty. Ltd.,	12 Cleg St.,Artarmon	Address	370.0	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Engineers - General	Piper Tools	12 Cleg St.,Artarmon,NSW	Address	370.0	North-west
1980	Engineers - Manufacturing	Piper Tools	12 Cleg St.,Artarmon,NSW	Address	370.0	North-west
1980	gymnasium equipment	Tarmon Engineering Pty Ltd	12 Cleg St.,Artarmon,NSW	Address	370.0	North-west
1990	Fibreglass Fabricators	Custom Fibreglass Products	14 Cleg Street,Artarmon,NSW	Address	370.0	North-west
1990	Boat & Yacht Builders &/or Repairers	Canoe Warehouse	14 Cleg Street,Artarmon,NSW	Address	370.0	North-west
1990	Boat & Yacht Builders &/or Repairers	Dinghy & Tender Warehouse	14 Cleg Street,Artarmon,NSW	Address	370.0	North-west
2005	Fibreglass Materials; Fibreglass Fabricators	Custom Fibreglass Products	14 Cleg St,ARTARMON,NSW,2064	Address	370.0	North-west
2005	Fibreglass Products & Repairs	Custom Fibreglass Products, Artarmon	14 Cleg St,ARTARMON,NSW,2064	Address	370.0	North-west
2005	Boat & Yacht Builders & Repairers; Boat & Yacht Sales	Dinghy & Tender Warehouse	14 Cleg St,ARTARMON,NSW,2064	Address	370.0	North-west
2005	Boat & Yacht Builders & Repairers; Boat & Yacht Sales; Canoes & Kayaks	Canoe Warehouse	14 Cleg St,ARTARMON,NSW,2064	Address	370.0	North-west
2010	Boat - Canopies	Spectrum Canopies	14 Cleg St ARTARMON 2064 NSW	Address	370.0	North-west
2010	Boat & Yacht Builders	Canoe Warehouse	14 Cleg St ARTARMON 2064 NSW	Address	370.0	North-west
2015	Boat & Yacht Builders	Canoe Warehouse	14 Cleg St Artarmon NSW 2064	Address	370.0	North-west
2015	Boat - Canopies	Custom Fibreglass Products	14 Cleg St Artarmon NSW 2064	Address	370.0	North-west
2015	Fibreglass Repairs & Products	Dinghy & Tender Warehouse	14 Cleg St Artarmon NSW 2064	Address	370.0	North-west
2015	Boat - Canopies	A Class Waterproofing	14 Cleg St Artarmon NSW 2064	Address	370.0	North-west
2015	Boat - Canopies	Spectrum Canopies	14 Cleg St Artarmon NSW 2064	Address	370.0	North-west
1970	AUTOMATIC CONTROL EQUIPMENT IMPS. &/OR DISTS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	BALL & PEBBLE MILLS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	BRICK, PIPE & TILE MFRS.' MACHINERY	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	CHEMICAL MFRS.—MACHINERY IMPORT. &/OR DIST.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	CONVEYORS & CONVEYING EQUIP. MANUFACTURERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	CORROSION PREVENTION & CONTROL SPECIALISTS	Federated industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	DAIRY MACHINE MANUFACTURERS &/OR DEALERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	DIESEL ENGINE DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRIC FITTINGS MFRS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRIC FUSE/FUSE GEAR MFRS. &/OR DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	ELECTRIC GENERATING EQUIPMENT MANUFACTURERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRIC SWITCH & CONTROL GEAR MFRS. &/OR DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRIC TERMINAL MFRS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRICAL SWITCHBOARD MANUFACTURERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRICAL TRANSMISSION LINE FITTINGS OR ACCESSORIES— MFRS.&/OR DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRONIC EQUIPMENT MFRS. &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRONICS—INDUSTRIAL CONTROL EQUIPMENT MFRS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—AIR CONDITIONING	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—CHEMICAL	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—DAIRY	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—DIESEL	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—ELECTRICAL	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—FABRICATING	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—FILTRATION	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—GENERAL &/OR MFRG. &/OR MECHANICAL	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—HOT WATER, HEATING/ VENTILATING	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—INDUSTRIAL	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—MARINE	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS-REMOTE CONTROL	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—REPETITION	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—SANITARY	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—TRANSMISSION	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—WATER TREATMENT	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	FAN & BLOWER MANUFACTURERS &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	FILTER MFRS. & DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	GENERATOR MFRS. &/OR DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	HEAT EXCHANGER MANUFACTURERS &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	HEAT TREATMENT SPEC.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	INSTRUMENTS—INDUSTRIAL —MFRS. &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	LAWN MOWERS—MOTOR POWERED —IMPORTERS, DISTRIBUTORS &/OR MANUFACTURERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	LAWN MOWER SALES/SERVICE	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	MARINE ENGINES—IMPORTERS, DISTS. &/OR MFRS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	MATERIAL HANDLING EQUIPMENT IMPORTS. &/OR DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	MINING MACHINERY & EQUIPMENT IMPORTERS, DISTRIBUTORS &/OR MANUFACTURERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	MOTOR BRAKE SPARE PARTS MFRS. & W'SALERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	PNEUMATIC CONVEYOR MFRS./ INSTALLERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	POWER TRANSMISSION EQUIP. MFRS. &/OR DISTRIRUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	PUMP EQUIPMENT MANUFACTURERS &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	PUMP MANUFACTURERS &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	RECTIFIER MANUFACTURERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	REFRIGERATOR EQUIPMENT/PARTS MANUFACTURERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	RESISTOR MANUFACTURERS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	SEWAGE TREATMENT EQUIPMENT- HEAVY	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	SHOT BLASTERS	Federated Industries Ltd.	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	TEMPERATURE REGULATOR MFRS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	TRAILER & SEMI-TRAILER SPARE PARTS—MFRS. &/OR DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	TRANSFORMER EQUIPMENT MFRS. &/OR DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	TRANSFORMER IMPORTS. &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	TRANSFORMER MFRS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	TRANSMISSION EQUIPMENT MFRS. &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	VALVES/COCKS (STEAM/LIQUID, Etc.) MFRS./DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	WATER COOLING EQUIPMENT MFRS. &/OR DISTS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	WATER TREATMENT EQUIPMENT	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	WELDING EQUIPMENT & SUPPLIES MFRS. &/OR DISTS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	WELDING MACHINE MFRS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—PRECISION	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	FLAMEPROOF ELECTRICAL EQUIPMENT MFRS./DISTS.	FEDERATED INDUSTRIES LTD	16-18 Herbert St.,Artarmon	Address	370.5	North-west
1970	DRYERS—INDUSTRIAL	FEDERATED INDUSTRIES LTD	16-18 Herbert St.,Artarmon	Address	370.5	North-west
1970	HEATER (SPACE & INDUSTRIAL) MANUFACTURERS & DISTRIBUTORS	FEDERATED INDUSTRIES LTD	16-18 Herbert St.,Artarmon	Address	370.5	North-west
1970	VARIABLE SPEED DRIVE SPECIALISTS	FEDERATED INDUSTRIES LTD	16-18 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—FURNACE/ COMBUSTION	Federated Industries Ltd.,	16-18 Herbert St.,Artarmon	Address	370.5	North-west
1970	FURNACE MANUFACTURERS	Federated Industries Ltd.,	16-18 Herbert St.,Artarmon	Address	370.5	North-west
1970	EXPANSION BELLOWS & JOINTS	FEDERATED INDUSTRIES LTD	16-18 Herbert St.,Artarmon	Address	370.5	North-west
1970	FOUNDERS—FERROUS	Martin, W. W.&Sons Pty. Ltd.,	16 Herbert St.,St. Leonards	Address	370.5	North-west
1970	PATTERN MAKERS—ENGINEERING	Martin, W. W. & Sons Pty Ltd.,	16 Herbert St.,St. Leonards	Address	370.5	North-west
1970	Air Compressors &/or Equipment	Kennard's Hire Service Pty Ltd	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1970	Hoisting & Rigging Equipment	Kennard's Hire Service Pty Ltd	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1970	Machinery-Secondhand	Kennard's Hire Service Pty Ltd	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1970	Pumping Contractors	Kennard's Hire Service Pty Ltd	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1970	Scaffolding	Jeb Scaffolding Hire Service Pty Ltd	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1970	Scaffolding	Kennard's Hire Service Pty Ltd	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1970	Electric Motors & Generators	Kennard's Hire Service Pty Ltd	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1970	Motor - Drive Yourself Services	Kennard's Hire Service Pty Ltd	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1970	FORK LIFT TRUCK IMPORTERS &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	AIR COMPRESSOR MFRS. &/OR DISTS.	Federated Industries Ltd.	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRIC COIL-WINDING/ TRANSFORMER SPECIALISTS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRIC GENERATING EQUIPMENT IMPORTS. &/OR DISTS. (EMO)	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRIC MOTORS MFRS.	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ELECTRIC SWITCH & CONTROL GEAR —FLAMEPROOF—MANUFACTURERS &/OR DISTRIBUTORS	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	ENGINEERS—ELECTRONIC	Federated Industries Ltd.,	16 Herbert St.,Artarmon	Address	370.5	North-west
1970	Motor Accessories-Mfrs. &/or W'salers	Kennard Industries	16 Herbert Street,St Leonards,NSW	Address	370.5	North-west
1980	Electric Motors & Generators	Generator Rentals	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Fans - Electric	Kennards Hire Service	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Heating Appliances &/or Systems	Kennards Hire Service	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Hire - Builders', contractors' & handyman's equipment	Almost Everything For Hire	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Hire - Builders', contractors' & handyman's equipment	Generation Rentals	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Hire - Builders', contractors' & handyman's equipment	Hire Advisors	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Hire - Builders', contractors' & handyman's equipment	Kennards Hire	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Hire - Factory & Workshop Equipment	Hire Advisors	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Ladders, Steps & Trestles	Kennards Hire Service	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Machinery - Secondhand	Kennard W & Co Pty Ltd	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Motor Car Rental (Drive Yourself)	Kennards Truck Rental	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Pumping Contractors	Kennards Hire Service	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Saws	Kennards Hire Service	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Scaffolding	Kennards Hire Service	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Taxi Truck Services	Kennards Truck Rental	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Truck Rental	Kennards Truck Rental	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1980	Lighting & Power Emergency	Generator Rentals	16 Herbert St.,St. Leonards,NSW	Address	370.5	North-west
1990	Carriers-Light	Kennards Truck Rentals	16 Herbert,Artarmon,NSW	Address	370.5	North-west
2005	Floor Coverings; Flooring--Composition & Anti-Corrosive; Concrete Treatment & Repair Services; Concrete Sawing, Drilling, Grinding & Breaking	Kennards Concrete Care	2/ 16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Excavating & Earth Moving Equipment	Kennards Earthmoving Equipment Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Floor Sanding & Polishing Services	Kennards Floor Equipment Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Lawn Cutting & Maintenance	Kennards Garden Equipment Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Generators & Generating Sets	Kennards Generator Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Ladders, Steps, Trestles & Accessories	Kennards Ladder Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Scaffolding	Kennards Scaffold Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Elevating Work Platform Hire	Kennards Scissor Lift Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Tarpaulins	Kennards Tarpaulin Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Trailer Renting	Kennards Trailer Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Truck & Bus Rental	Kennards Truck Rental, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Toilets--Portable	Kennards Washroom Hire, Artarmon	16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2005	Cleaning Products & Supplies	The Healthy Home Company	Level 1/ 16 Herbert St,ARTARMON,NSW,2064	Address	370.5	North-west
2010	Earth Moving &/or Excavating Equipment & Machinery	Work Smart Equipment Pty Ltd	Unit 3 16 Herbert St ARTARMON 2064 NSW	Address	370.5	North-west
2010	Elevated Work Platforms - Hire & Sales	Kennards Scissor Lift Hire	16 Herbert St ARTARMON 2064 NSW	Address	370.5	North-west
2015	Builder Handyman Contractor Equipment Sale/ Hire	Kennards Hire	16 Herbert St Artarmon NSW 2064	Address	370.5	North-west
2015	Trailer Hire	Kennards Trailer Hire	16 Herbert St Artarmon NSW 2064	Address	370.5	North-west
1970	Electric Cable & Wire - Mfrs. &/or W'salers	Olex Cables Pty Ltd (manufacturers, distributors of plastic & rubber type cables, paper insulated, power cables, conductors, flexible & trailing cables, telecommunications cables, dekoran instrumentation wire, tubes & thermocouple extension cables, copper clad aluminium conductor cables, rigid & flexible PVC conduit & fittings, rigid PVC ducting)	4 Cleg Street,Artarmon,NSW	Address	370.9	North
1980	Air Conditioning - Commercial & Industrial	Trane Sydney Service	4 Cleg St.,Artarmon,NSW	Address	370.9	North
1980	Air Conditioning - Engineers	Trane Sydney Service	4 Cleg St.,Artarmon,NSW	Address	370.9	North
1980	Drainers	A J Plumbing Pty Ltd	29 Station St.,Naremburn,NSW	Address	371.5	North-east
1980	Calculators and Adding Machines	Brother Industries (Aust) Pty Ltd	49 Herbert St.,Artarmon,NSW	Address	371.8	North-west
1980	Knitting Machines	Brother Industries (Aust) Pty Ltd	49 Herbert St.,Artarmon,NSW	Address	371.8	North-west
2005	Posters--Advertising; Printers--Lithographic	Pikasso's Colour Pty Ltd	49 Herbert St,ARTARMON,NSW,2064	Address	371.8	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Printers--General	Stylecraft Printing Services	49 Herbert St,ARTARMON,NSW,2064	Address	371.8	North-west
2005	Printers--General	The Printing Department Pty Ltd	49 Herbert St,ARTARMON,NSW,2064	Address	371.8	North-west
2010	Printers - General	Stylecraft Printing Services	49 Herbert St ARTARMON 2064 NSW	Address	371.8	North-west
2010	Printers - General	Styleprint Pty Ltd	49 Herbert St ARTARMON 2064 NSW	Address	371.8	North-west
2010	Printers - General	Piccadilly Print	Lvl 1 49 Herbert St ARTARMON 2064 NSW	Address	371.8	North-west
2015	Printers - General	The Printing Department	49 Herbert St Artarmon NSW 2064	Address	371.8	North-west
2015	Digital Printers	Piccadilly Print	Level 1 49 Herbert St Artarmon NSW 2064	Address	371.8	North-west
1950	Engineers - General	Kegg G E	2 Clegg Street,Artarmon,NSW	Address	372.7	North
1970	Die Casters	Pattern Products Pty ltd	2 Cleg Street,Artarmon,NSW	Address	372.7	North
1970	Patternmakers-Engineering	Pattern Products Pty Ltd	2 Cleg Street,Artarmon,NSW	Address	372.7	North
1980	Die Casting	Pattern Products Pty Ltd	2 Cleg St.,Artarmon,NSW	Address	372.7	North
1980	Patternmakers-Engineering	Pattern Products Pty Ltd	2 Cleg St.,Artarmon,NSW	Address	372.7	North
1990	Carriers - Heavy	Trans City Office Movers	2 Cleg,Artarmon,NSW	Address	372.7	North
2010	Transport & Transportation Service	Translogix Systems Pty Ltd	2 Kleg St ARTARMON 2064 NSW	Address	372.7	North
2010	Signs & Signage - Timber & Metal	Dynamic Visual Systems Pty Ltd	2-5 Cleg St ARTARMON 2064 NSW	Address	372.7	North
2015	Hotel Restaurant & Club Supplies	The Menu Company	2 Cleg St Artarmon NSW 2064	Address	372.7	North
1970	Water Treatment	Ledingham Hensby & Partners Pty Ltd	24 Chandos Street,St Leonards,NSW	Address	373.0	South-east
1980	Crane Mfrs. &/or Distributors	Monosteel Pty Ltd	18 Chandos St.,St. Leonards,NSW	Address	373.0	South-east
1980	Electric Hoists	Monosteel Pty Ltd	18 Chandos St.,St. Leondards,NSW	Address	373.0	South-east
1980	Crane Mfrs. &/or Distributors	Monosteel Pty Ltd	18 Chandos St.,St. Leonards,NSW	Address	373.0	South-east
1980	Electric Hoists	Monosteel Pty Ltd	18 Chandos St.,St. Leonards,NSW	Address	373.0	South-east
1980	Fire Protection Equipment & Consultants	Ledingham Hensby Oxley & Partners Pty Ltd	24 Chandos St.,St. Leonards,NSW	Address	373.0	South-east
2010	Telecommunication Consultants	Zintel Communications	Grnd Flr 18-24 Chandos St ST LEONARDS 2065 NSW	Address	373.0	South-east
1965	Engineers—Hot Water Heating & Ventilating	Smith A&Son Pty Ltd	18,LambsRd,NSW	Address	373.4	North
1965	Plumbers & Gasfitters	SMITH A&SON PTY LTD	18,LambsRd,NSW	Address	373.4	North
1970	PARTITIONS—OFFICE/FACTORY— MANUFACTURERS	Smith, A. & Son Pty. Ltd.	18 Lambs Road,Artarmon	Address	373.4	North
1970	SHEET METAL WORKERS	Smith, A. & Son Pty. Ltd.,	18 Lambs Road,Artarmon	Address	373.4	North
1990	Engine Reconditioning	J.W. Engineering Services Pty Ltd	18 Lambs Road,Artarmon,NSW	Address	373.4	North

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1990	Motor Engineers & Repairers	J.W. Engineering Services Pty Ltd	18 Lambs Road,Artarmon,NSW	Address	373.4	North
2005	Motor Engineers & Repairers	Five Ways Garage	18 Lambs Rd,ARTARMON,NSW,2064	Address	373.4	North
2010	Engineers - Motor & Repairers	Five Ways Garage	18 Lambs Rd ARTARMON 2064 NSW	Address	373.4	North
2015	Engineers - Motor & Repairers	Five Ways Garage	18 Lambs Rd Artarmon NSW 2064	Address	373.4	North
1970	DISTILLATION EQUIP. MFRS./ DISTRIBUTORS	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	DRYING ROOMS & SYSTEMS— MFRS. &/OR INSTALLERS	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	ENGINEERS—MARINE	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	ENGINEERS—POWER PLANT	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	ENGINEERS—STEAM	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	FAN & BLOWER MANUFACTURERS &/OR DISTRIBUTORS	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	HEAT EXCHANGER MANUFACTURERS &/OR DISTRIBUTORS	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	PUMP MANUFACTURERS &/OR DISTRIBUTORS	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	WATER TREATMENT EQUIPMENT	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1970	ENGINEERS—WATER TREATMENT	Weir-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St„ Artarmon,NSW	Address	373.9	West
1970	AIR COMPRESSOR MFRS. &/OR DISTS.	Welr-Drysdale (Aust.) Pty. Ltd.,	1 Frederick St.,Artarmon	Address	373.9	West
1980	Filters	Envirotech Aust Pty Ltd	1 Frederick St.,Artarmon,NSW	Address	373.9	West
1980	Instruments - Process Control	Sparling Envirotech Ltd	1 Frederick St.,Artarmon,NSW	Address	373.9	West
1980	Motor Car Washing & Polishing	Harow Detailing	1 Frederick St.,Artarmon,NSW	Address	373.9	West
1980	Motor Cars - New	Lancia (Grenville Motors Pty Ltd)	4 Frederick St. (Service--Retail & Trade Parts),St. Leonards,NSW	Address	373.9	West
1980	Motor Mechanics	Kearnes Mechanical Services	1 Frederick St.,Artarmon,NSW	Address	373.9	West
1980	Panel Beaters &/or Painters	Sound Smash Repairs	1 Frederick St.,Artarmon,NSW	Address	373.9	West
1990	Auto Electrical Services	Artarmon Auto Electrics	1 Frederick Street,Artarmon,NSW	Address	373.9	West
2010	Golf - Supplies & Equipment New & Used	Power Golf Pty Ltd	G1 Home Hq North Shore 1 Frederick St ARTARMON 2064 NSW	Address	373.9	West
2015	Lithographic Printers	Masterprinting (Nsw) Pty Ltd	69 Reserve Rd Artarmon NSW 2064	Address	373.9	West
2015	Furniture - Exterior/Outdoor	Wintons Teak Outdoor Furniture	1 Frederick St Artarmon NSW 2064	Address	373.9	West
1990	Dry Cleaners	Rosemont Dry Cleaners	3 Railway Station,St Leonards,NSW	Address	374.2	South
1950	Carriers-Heavy	Thomson R W	34 Mitchell,Crows Nest,NSW	Address	374.7	South-east
1950	Metal Polishers	Thomson R W	34 Mitchell,Crows Nest,NSW	Address	374.7	South-east
1965	Butchers	WILCOX F & SONS	3,HerbertSt,NSW	Address	378.1	South
1965	Motor Hire (Passenger) Services	ASTRA HIRE CARS PTY LTD	3,HerbertSt,NSW	Address	378.1	South

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Recording Services	Mayday Music, St leonards	2008/ 3 Herbert St,ST LEONARDS,NSW,2065	Address	378.1	South
1965	Paving—Concrete	Strathfield Paving Pty Ltd	63,Mitchells,NSW	Address	380.4	East
2005	Surgery-General; Medical Practitioners	Smith Garett S	North Shore Private Hospital Level 3 Suite 11 Westbourne St St Leonard,ST LEONARDS,NSW,2065	Address	382.5	South-west
1980	Refrigeration - Commercial & Industrial - Retail &/or Service	B & N Refrigeration & Air Conditioning	33 Station St.,Naremburn,NSW	Address	383.9	North
1980	Air Conditioning - Commercial & Industrial	B & N Refrigeration & Air Conditioning	33 Station St.,Naremburn,NSW	Address	383.9	North
1980	Air Conditioning - Home	B & M Refrigeration & Air Conditioning	33 Station St.,Naremburn,NSW	Address	383.9	North
1965	Concrete	Rosso G	51,ParkRd,NSW	Address	388.2	North-east
1940	Stone Masons & Cutters	Bakarich A	26 Mitchell Street,St Leonards,NSW	Address	389.1	South-east
1970	ENGINEERS—DESIGNING	McDonald Constructions Pty. Ltd.,	28 Chandos St.,St. Leonards	Address	389.6	South-east
1970	DISTILLATION EQUIP. MFRS./ DISTRIBUTORS	Trident Solastil,	28 Chandos St.,St. Leonards	Address	389.6	South-east
1970	HEATING SYSTEMS	Trident Solafio,	28 Chandos St.,St. Leonards	Address	389.6	South-east
1970	SWIMMING POOL CONSTRUCTION CONTRACTORS	Trident Swimming Pools,	28 Chandos St.,St. Leonards	Address	389.6	South-east
1980	Builders & Contractors	McDonald Constructions Pty Ltd	28 Chandos St.,St. Leonards,NSW	Address	389.6	South-east
1980	Contractors - general	McDonald Constructions Pty Ltd	28 Chandos St.,St. Leonards,NSW	Address	389.6	South-east
1980	Elevating & Conveying Engineers	PHB-Weserhutte Pty Ltd	28 Chandos St.,St. Leonards,NSW	Address	389.6	South-east
1980	Materials Handling Equipment	PH9-Weserhutte Pty Ltd	28 Chandos St.,St. Leonards,NSW	Address	389.6	South-east
1980	Photographers-Commercial & Industrial	Harvey Lincoln Pty Ltd	28 Chandos St.,St. Leonards,NSW	Address	389.6	South-east
1990	Electronic Equipment Mfrs &/or W'salers	Verifone (Australia) Pty Ltd	28 Chandos,St Leonards,NSW	Address	389.6	South-east
1990	Paints - Mfrs &/or W'salers	Got A Products	28 Chandos,St Leonards,NSW	Address	389.6	South-east
2005	Quantity Surveyors	Kinlay Grinham Partnership	28 Chandos St,ST LEONARDS,NSW,2065	Address	389.6	South-east
2005	Quantity Surveyors	Kinlay Grinham	Level 2, 28 Chandos St,ST LEONARDS,NSW,2065	Address	389.6	South-east
2005	Computer Equipment--Repairs, Service & Upgrades	Xyber Computer Service Centre Pty Ltd	28 Chandos St,ST LEONARDS,NSW,2065	Address	389.6	South-east
1970	CORROSION PREVENTION & CONTROL SPECIALISTS	Ferrler&Dickinson Pty. Ltd.,	18 Herbert St.,Artarmon	Address	390.6	North-west
1980	Chocolate & Cocoa Mfrs. & or W'salers	Angco Pty Ltd	18 Herbert St.,Artarmon,NSW	Address	390.6	North-west
1980	Wine & Spirit Mfrs	Rosemount Estates Pty Ltd	18 Herbert St.,Artarmon,NSW	Address	390.6	North-west
1970	Motor Body Builders/Repairers	Lower North Shore Car Repairs	14 Lambs Road,Artarmon,NSW	Address	393.5	North
1980	Panel Beaters &/or Painters	Hill's Lower North Shore Car Repairs	14 Lambs Road,Artarmon,NSW	Address	393.5	North

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Motor Body Builders & Repairers	Hill's Lower North Shore Car Repairs	14 Lambs Road,Artarmon,NSW	Address	393.5	North
1990	Motor Engineers & Repairers	Intune Pty. Ltd (Volkswagen Specialists, General Service & Repair All Types of Cars)	14-15 Lambs Road,Artarmon,NSW	Address	393.5	North
1990	Motor Engineers & Repairers	Intune Pty Ltd	14 Lambs Road,Artarmon,NSW	Address	393.5	North
1990	Panel Beaters &/or Painters	Hill's Lower North Shore Car Repairs	16 Lambs Road,Artarmon,NSW	Address	393.5	North
2005	Panel Beaters & Painters	Hill's Lower North Shore Car Repairs	14 Lambs Rd,ARTARMON,NSW,2064	Address	393.5	North
2010	Panel Beaters & Automotive Painting	Hill's Lower North Shore Car Repairs	14-16 Lambs Rd ARTARMON 2064 NSW	Address	393.5	North
2010	Auto Electrical Services Including Mobile	Artarmon Auto Electrical	14-16 Lambs Rd ARTARMON 2064 NSW	Address	393.5	North
2010	Engineers - Motor & Repairers	Castle Automotive	14-16 Lambs Rd ARTARMON 2064 NSW	Address	393.5	North
1980	Cleaning Compounds - Household &/or Industrial	Amway Home Products Distributors	16 Mitchell St.,St. Leonards,NSW	Address	408.8	South-east
1970	Film Producers &/or Laboratories	Gross Yorah Film Studio Pty Ltd	30 Chandos Street,St Leonards,NSW	Address	410.3	South-east
1970	Film Producers &/or Laboratories	Yoram Gross Film Studio Pty Ltd	30 Chandos Street,St Leonards,NSW	Address	410.3	South-east
1980	Film Productions &/or Laboratories	Gross Yoram Film Studio Pty Ltd	30 Chandos St.,St. Leonards,NSW	Address	410.3	South-east
1980	Film Productions &/or Laboratories	Yoram Gross Film Studio Pty Ltd	30 Chandos St.,St. Leonards,NSW	Address	410.3	South-east
1980	Electronic Parts Mfrs &/or W'salers	Electronic Development Sales Pty Ltd	32 Chandos St.,St. Leonards,NSW	Address	410.3	South-east
1990	Printers - General	Kwik Kopy Printing Centres	32 Chandos,St Leonards,NSW	Address	410.3	South-east
1940	Builders & Contractors	McDonald Constructions Pty Ltd	53 Lithgow,St Leonards,NSW	Address	412.8	South
1950	Builders & Contrators	Hart RW	90 Christie,St Leonards,NSW	Address	412.8	South
1950	Builders & Contrators	McDonald Constructions Pty Ltd	53 Lithgow,St Leonards,NSW	Address	412.8	South
1980	Research Laboratories	Gore Hill Research Laboratories	25 Saville St.,St. Leonards,NSW	Address	412.8	South
1980	Research Laboratories	Gore Hill Research Laboratories	25 Saville St.,Gore Hill,NSW	Address	412.8	South
1985	Cooling Towers	Jord Engineers Pty Ltd	11 Atchison St Leonards QLD	Address	412.8	South
1985	Dental Supplies &/Or Equipment	Degussa Australia Pty Ltud	1 Chandos St Leonards QLD	Address	412.8	South
1985	Foil Printing & Stamping Equipment & Supplies	Kurz Leonhard (Aust) Pty Ltd	3 Albany St Leonards QLD	Address	412.8	South
1985	Furnishings-Wholesale	Edgar Roe Furnishings	79 Chandos St Leonards QLD	Address	412.8	South
1985	Furnishings-Wholesale	Roe Edger Furnishings	79 Chandos St Leonards QLD	Address	412.8	South
1985	Heat Exchange Equipment	Fin Tubes Pty Ltd	11 Atchison St Leonards QLD	Address	412.8	South
1985	Advertising - General	Modus Operandi (No 1) Pty Ltd	69 Chandos St Leonards QLD	Address	412.8	South
1990	Magazines & Periodicals	Turf Trader	67 Christie,St. Leonards,NSW	Address	412.8	South

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1990	Telephone Switching & Switchboard Equipment	NEC Australia Pty. Ltd.	99 Nicholson,St. Leonards,NSW	Address	412.8	South
1990	Telephone Switching & Switchboard Equipment	NEC Australia Pty. Ltd.	99 Nicholson,St. Leonards,NSW	Address	412.8	South
1990	Telephone Switching & Switchboard Equipment	NEC Australia Pty. Ltd.	99 Nicholson,St. Leonards,NSW	Address	412.8	South
1990	Printers - General	A.O.S. St Leonards	99 Nicholson,St. Leonards,NSW	Address	412.8	South
1990	Printers - General	Nanford Printers Pty Ltd	17 Herbert,St Leonards,NSW	Address	412.8	South
1990	Printers - General	Small-Offset Association	77 Lithgow,St Leonards,NSW	Address	412.8	South
1990	Scrap Metal Merchants	Scrap Metal Co of Aust Pty Ltd	31 Herbert,St Leonards,NSW	Address	412.8	South
1990	Computer Equipment--Hardware	Computer Resources	42 Chandos,St. Leonards,NSW	Address	412.8	South
1990	Computer Equipment--Hardware	Computer Resources	42 Chandos,St. Leonards,NSW	Address	412.8	South
1990	Computer Equipment - Hardware	Computer Resources Company	42 Chandos,St. Leonards,NSW	Address	412.8	South
1990	Computer Equipment--Hardware	Computer Resources	42 Chandos,St. Leonards,NSW	Address	412.8	South
1990	Computer Equipment-Hardware	Computer Resources	42 Chandos,St. Leonards,NSW	Address	412.8	South
1990	Electronic Parts Mfrs &/or W'salers (p904+)	Fisher KD & Co	67 Christie,St Leonards,NSW	Address	412.8	South
1990	Fire Protection Equipment & Consultants	Matthew Hall Mechanical & Electrical Engineers (Pty) Ltd	116 Christie,St Leonards,NSW	Address	412.8	South
1990	Printing - Clothing &/or Textiles	Riomar Fabrics Pty Ltd	2 Ella,St Leonards,NSW	Address	412.8	South
1950	Manufacturers	Edsaw Products	2 Grandview Street,Naremburn,NSW	Address	414.7	North-east
1950	Laundries	Ezy Wash Day Service	62 Reserve Road,Artarmon,NSW	Address	415.5	West
1950	Tiles - Roofing	Concrete Finishers Pty Ltd	60-62 Reserve Road,Artarmon,NSW	Address	415.5	West
1950	Leather Goods - Mfrs &/or wsalers	Graceline Leather Products	62 Reserve Road,Artarmon,NSW	Address	415.5	West
1950	Travelling Goods - Mfrs. &/or W'salers	Graceline Leather Products	62 Reserve Road,Artarmon,NSW	Address	415.5	West
2005	Electrical Contractors	Commercial Energy Services	Unit 5, 76 Reserve Rd,ARTARMON,NSW,2064	Address	415.5	West
2005	Surgical Supplies	Cosmac Surgical, Artarmon	76 Reserve Rd,ARTARMON,NSW,2064	Address	415.5	West
2010	Massage Therapy - Supplies & Equipment	Absolute Vitality Fitness Massage Equipment	Unit 10 76 Reserve Rd ARTARMON 2064 NSW	Address	415.5	West
2010	Shower Screens Supply & Installation	Comfort Innovations	Unit 12 76 Reserve Rd ARTARMON 2064 NSW	Address	415.5	West
2010	Massage Therapy - Supplies & Equipment	Importplaza	Unit 10 76 Reserve Rd ARTARMON 2064 NSW	Address	415.5	West
2010	Shower Screens Supply & Installation	Young Shower Screens	Unit 12 76 Reserve Rd ARTARMON 2064 NSW	Address	415.5	West
2010	Glass Merchants & Installation Service Glaziers	On The Spot Glazing Supplies Pty Ltd	76 Reserve Rd ARTARMON 2064 NSW	Address	415.5	West
2015	Massage Therapy - Supplies & Equipment	Absolute Vitality Fitness Massage Equipment	Unit 10 76 Reserve Rd Artarmon NSW 2064	Address	415.5	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2015	Massage Therapy - Supplies & Equipment	Importplaza	Unit 10 76 Reserve Rd Artarmon NSW 2064	Address	415.5	West
2015	Shower Screens Supply & Installation	Young Shower Screens	Unit 12 76 Reserve Rd Artarmon NSW 2064	Address	415.5	West
2015	Rubbish & Waste Removal	U -Load Management Pty Ltd	11 Lanceley Pl Artarmon NSW 2064	Address	415.5	West
2015	Photographer - General	Joshua Dasey Photography	17/ 76 Reserve Rd Artarmon NSW 2064	Address	415.5	West
2015	Storage - General Facilities & Service	National Storage	7-11 Lanceley Pl Artarmon NSW 2064	Address	415.5	West
2015	Shower Screens Supply & Installation	Comfort Innovations	Unit 12 76 Reserve Rd Artarmon NSW 2064	Address	415.5	West
1965	Hospitals—Private	NORMANHURST PRIVATE HOSPITAL	1,ChandosSt,NSW	Address	416.1	South-east
1965	Motor Panel Beaters	BLACKLER & MAXWELL PTY LTD	2,Leonards,NSW	Address	416.1	South-east
1965	Motor Body Builders & Repairers	Blackler&Maxwell Pty Ltd	2,Leonards,NSW	Address	416.1	South-east
1970	Engineers-General	Burmot Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1970	Engineers-General	Norman Disney & Young Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1970	Labels-Self Adhesive	Able-Ety-Peel Labels	Rear 1a Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Abrasives	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Adhesive Tapes	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Packaging, Filling & Sealing Equipment	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Abrasives	3M Australia Pty Ltd	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1980	Adhesive Tapes	3M Australia Pty Ltd	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1980	Adhesives	3M Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Engineers - Consulting	A C E A (Sinclair Knight & Partners Pty. Ltd.)	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1980	Engineers - Consulting	A C S E (Sinclair Knight & Partners Pty. Ltd.)	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1980	Recording Equipment & Supplies	3M Australia Pty. Ltd.	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1980	Abrasives	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Adhesive Tapes	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Adhesives	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Audio Visual Equipment & Productions	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Packaging, Filling & Sealing Equipment	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Abrasives	3M Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Adhesive Tapes	3M Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Adhesives	3M Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Packaging, Filling & Sealing Equipment	3M Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Packaging Materials	3M Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Abrasives	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Adhesive Tapes	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Audio Visual Equipment & Productions	Moving Memories	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Audio Visual Equipment & Productions	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Boring &/or Drilling Contractors	Bachy S.I.F. Enterprise	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Chemical Engineers	Lurgi (Australia) Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Chemical Engineers	West's (A/Asia) Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Chemical Suppliers	Degusta Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Cleaning - Home	Speed-E Commercial Cleaning Contractors Pty Ltd	1a Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Duplicating Machines &/or Supplies	Itek Graphic Products	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Dust & Fume Control Equipment	Lurgi (Australia) Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Electrical Accessories - Mfrs &/or W'salers	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Electronic Engineers	Consolidated Electronics Industries Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Elevating & Conveying Engineers	Cyclonaire Corp (Aust) Pty Ltd	3rd Floor, 1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Engineers - General	Deutsche Babcock Aust Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Engineers - General	Norman Disney & Young Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Facsimile Communication Equipment	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Foundation Engineers	Bachy S I F Enterprise	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	grinding & pulverising machinery	Williams Crusher (Aust) Pty Ltd	3rd Floor, 1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Lime Distributors--W'sale &/or Retail	Sydney & North Sydney Lime Burners Pty Ltd	1 Chandos St. (Head Office),St. Leonards,NSW	Address	416.1	South-east
1980	Materials Handling Equipment	Cyclonaire Corp (Aust) Pty Ltd	3rd Floor, 1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Newspapers - Rural	Australasian Farm Publications Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Newspapers - Rural	National Farmer	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	packaging, Filling & Sealing Equipment	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Packaging Materials	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Paper Mfrs &/or W'salers	Caxton Pulp & Paper Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Paper Products - Disposable	Caxton Pulp & Paper Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Photo Copies &/or Copying Equipment	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Pile Driving Contractors &/or Equipment	Bachy S I F Enterprises	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Pile Driving Contractors &/or Equipment	S I F Enterprise Bachy	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Printers - General	Colona Printing	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Printers - Lithographic	Colona Printing	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Printing Machinery	Itek Graphic Products	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Road Marking	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Signs - Traffic	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Stationers - Mfrg &/or W'sale	Doodle Art (Aust) Pty Ltd	1a Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Toys - Mfrs	Doodle Art (Aust) Pty Ltd	1a Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Tube Systems - Pneumatic	Cyclonaire Corp (Aust) Pty Ltd	3rd Floor, 1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Vacuum Equipment & Systems	Cyclonaire Corp (Aust) Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Printers Supplies & Services	Itek Graphic Products	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Motor Body Builders' Supplies	3M Australia Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1980	Motor Body Builders' Supplies	3M Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Printers Supplies & Services	3M Australia Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1980	Air Conditioning - Consultants	Norman Disney & Young Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Brake &/or Clutch Service	Central Brake Service (Sydney) Pty Ltd	1a Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Cleaning Contractors--- Commercial & Industrial	Speed-E Commercial Cleaning Contractors Pty Ltd	1a Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Drying Equipment - Industrial	West's (A'Asia) Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Mining & Quarrying Equipment &/or Supplies	West's (A/Asia) Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Mining & Quarrying Equipment &/or Supplies	Williams Crusher (Aust) Pty Ltd	3rd Floor, 1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Packaging, Filling & Assembling Services	Display Packaging	1a Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Printers Supplies & Services	Itek Graphic Products	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Printers Supplies & Services	3M Australia Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1980	Sweeping Machines - Industrial	Cyclonaire Corp (Aust) Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Waste Reduction & Disposal Equipment	Williams Crusher (Aust) Pty Ltd	3rd Floor, 1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1990	Civil Engineers	Sinclair Knight & Partners Pty. Ltd.	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1990	Engineers--Consulting	Sinclair Knight & Partners Pty. Ltd.	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1990	Civil Engineers	Sinclair Knight & Partners Pty Ltd	1 Chandos St.,St. Leonards,NSW	Address	416.1	South-east
1990	Civil Engineers	Sinclair Knight & Partners Pty Ltd	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1990	Civil Engineers	Sinclair Knight & Partners Pty. Ltd.	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1990	Engineers--Consulting	Sinclair Knight & Partners Pty. Ltd.	1 Chandos St.,Leonards,NSW	Address	416.1	South-east
1990	Civil Engineers	Sinclair Knight & Partners Pty Ltd	1 Chandos Street,St. Leonards,NSW	Address	416.1	South-east
1990	Civil Engineers	Sinclair Knight & Partners Pty. Ltd.	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1990	Engineers--Consulting	Sinclair Knight & Partners Pty. Ltd.	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1990	Civil Engineers	Sinclair Knight & Partners Pty. Ltd.	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1990	Engineers - Consulting	Sinclair Knight & Partmers Pty. Ltd.	1 Chandos,St. Leonards,NSW	Address	416.1	South-east
1990	Motor Engineers & Repairers	Karlo Kitti Motors	1a Chandos Street,St Leonards,NSW	Address	416.1	South-east
1990	Motor Engineers & Repairers	Kitti Karlo Motors	1a Chandos,St Leonards,NSW	Address	416.1	South-east
1990	Paper Mfrs &/or W'salers	Caxton Pulp & Paper Pty Ltd	1 Chandos,St Leonards,NSW	Address	416.1	South-east
1990	Printers - General	Colona Printing	1 Chandos Street,St Leonards,NSW	Address	416.1	South-east
1990	Printers - Lithographic	Colona Printing	1 Chandos,St Leonards,NSW	Address	416.1	South-east
1990	Motor Engineers & Repairers	Marco Salmi Motors	Rear 1a Chandos,St Leonards,NSW	Address	416.1	South-east
1990	Brake &/or Clutch Lining Mfrs &/or W'salers	Central Brake Service (North) Pty Ltd	1a Chandos Street,St Leonards,NSW	Address	416.1	South-east
1990	Fire Protection Equipment & Consultants	Norman Disney & Young	1 Chandos,St Leonards,NSW	Address	416.1	South-east
2005	Structural Engineers	David Stubbs & Partners	Level 6 1 Chandos St,ST LEONARDS,NSW,2065	Address	416.1	South-east
2005	Labels--Metal Foil, Paper & Plastic	Stratix (Australia) Pty Ltd	Level 1/ 1 Chandos St,ST LEONARDS,NSW,2065	Address	416.1	South-east
2005	Labels--Self-Adhesive	Stratix (Australia) Pty Ltd, St leonards	Level 1/ 1 Chandos St,ST LEONARDS,NSW,2065	Address	416.1	South-east
2005	Structural Engineers	Stubbs Cruickshank	Level 6 1 Chandos St,ST LEONARDS,NSW,2065	Address	416.1	South-east
2005	Engineers--General; Engineers--Consulting	Norman Disney & Young, St leonards	1 Chandos St,ST LEONARDS,NSW,2065	Address	416.1	South-east
2010	Business - Records Storage & Management	Automated Sales Force Solutions	Level 1/ 1 Chandos St ST LEONARDS 2065 NSW	Address	416.1	South-east
2010	Business - Records Storage & Management	Customer Asset Management Solutions	Level 1/ 1 Chandos St ST LEONARDS 2065 NSW	Address	416.1	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2015	Studio & Portrait Photography	Austral-International Press Agency (No. 1) Pty Ltd	1-9 Chandos St St Leonards NSW 2065	Address	416.1	South-east
2015	Telephone Recorded Information Services	Telstra Business Centre St Leonards	Ground Floor 1 Chandos St St Leonards NSW 2065	Address	416.1	South-east
2015	Business - Records Storage & Management	Automated Sales Force Solutions	Level 1/ 1 Chandos St St Leonards NSW 2065	Address	416.1	South-east
2015	Business - Records Storage & Management	Customer Asset Management Solutions	Level 1/ 1 Chandos St St Leonards NSW 2065	Address	416.1	South-east
1970	FILM EQUIPMENT IMPORTERS &/OR DISTRIBUTORS	Birns & Sawyer (Aust.) Pty. Ltd.,	19 Cleg St.,Artarmon	Address	418.3	North-west
1970	FILM & PROJECTOR HIRERS	Birns & Sawyer (Aust.) Pty. Ltd.,	19 Cleg St.,Artarmon	Address	418.3	North-west
1970	FILM SPOOLS & CONTAINERS MFRS.	Birns & Sawyer (Aust.) Pty. Ltd.,	19 Cleg St.,Artarmon	Address	418.3	North-west
1970	TELEVISION EQUIPMENT IMPORTS., MFRS. &/OR DISTS.	Birns & Sawyer (Aust.) Pty. Ltd.,	19 Cleg St.,Artarmon	Address	418.3	North-west
1970	FILM EQUIPMENT MFRS.	Birns & Sawyer (Aust.) Pty. Ltd.,	19 Cleg St.,Artarmon	Address	418.3	North-west
2005	Hot Water Systems; Plumbers & Gasfitters	Jones & Jones Master Plumbers Pty Ltd	Office 19-21 Cleg St,ARTARMON,NSW,2064	Address	418.3	North-west
2010	Hotel Restaurant & Club Supplies	Menu Company The	19-21 Cleg St ARTARMON 2064 NSW	Address	418.3	North-west
2005	Motor Cars--New; Motor Engineers & Repairers	Alec Mildren Peugeot, Artarmon	22 Cleg St,ARTARMON,NSW,2064	Address	418.5	North-west
2005	Motor Replacement Parts	Alec Mildren SAAB, Artarmon	22 Cleg St,ARTARMON,NSW,2064	Address	418.5	North-west
2010	Engineers - Motor & Repairers	Alec Mildren Peugeot	22 Cleg St ARTARMON 2064 NSW	Address	418.5	North-west
2010	Panel Beaters & Automotive Painting	Alec Mildren	22 Cleg St ARTARMON 2064 NSW	Address	418.5	North-west
2010	Engineers - Motor & Repairers	Alec Mildren Service Pty Ltd	22 Cleg St ARTARMON 2064 NSW	Address	418.5	North-west
2010	Car Replacement Parts	Nissan Parts	22 Cleg St ARTARMON 2064 NSW	Address	418.5	North-west
2010	Car Replacement Parts	Peugeot Parts	22 Cleg St ARTARMON 2064 NSW	Address	418.5	North-west
2015	Cars - New	Alec Mildren SAAB	22 Cleg St Artarmon NSW 2064	Address	418.5	North-west
2015	Car Replacement Parts	Alec Mildren Service Pty Ltd	22 Cleg St Artarmon NSW 2064	Address	418.5	North-west
2015	Engineers - Motor & Repairers	Alec Mildren Peugeot	22 Cleg St Artarmon NSW 2064	Address	418.5	North-west
2015	Car Replacement Parts	Alec Mildren	22 Cleg St Artarmon NSW 2064	Address	418.5	North-west
2015	Car Replacement Parts	NISSAN PARTS	22 Cleg St Artarmon NSW 2064	Address	418.5	North-west
2015	Car Replacement Parts	PEUGEOT PARTS	22 Cleg St Artarmon NSW 2064	Address	418.5	North-west
2015	Cars - New	SAAB PARTS	22 Cleg St Artarmon NSW 2064	Address	418.5	North-west
1980	Data Processing Equipment	D P C E Pty Ltd	55 Herbert St.,Artarmon,NSW	Address	418.6	North-west
1990	Signs - Noon &/or Illuminated	Photo Advertising (Australia) Ltd	53 Herbert Street,Artarmon,NSW	Address	418.6	North-west
1990	Signs - Noon &/or Illuminated	Photo Advertising (Australia) Ltd.	53 Herbert,Artarmon,NSW	Address	418.6	North-west
1990	Signs - Neon &/or Illuminated	Photo Advertising (Australia) Ltd	53 Herbert Street,Artarmon,NSW	Address	418.6	North-west

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1990	Signs--Neon &/or Illuminated	Photo Advertising (Australia) Ltd.	53 Herbert,Artarmon,NSW	Address	418.6	North-west
1990	Signs--Neon &/or Illuminated	Photo Advertising (Australia) Ltd.	53 Herbert,Artarmon,NSW	Address	418.6	North-west
1990	Signs - Neon &/or Illuminated	Photo Advertising (Australia) Ltd	53 Herbert St.,Artarmon,NSW	Address	418.6	North-west
1990	Signs - Neon &/or Illuminated	Photo Advertising (Australia) Ltd	53 Herbert St.,Artarmon,NSW	Address	418.6	North-west
1990	Signs - Neon &/or Illuminated	Photo Advertising (Australia) Ltd	53 Herbert Street,Artarmon,NSW	Address	418.6	North-west
1990	Signs--Neon &/or Illuminated	Photo Advertising (Australia) Ltd.	53 Herbert,Artarmon,NSW	Address	418.6	North-west
1990	Signs - Neon &/or Illuminated	Photo Advertising (Australia) Ltd	53 Herbert Street,Artarmon,NSW	Address	418.6	North-west
1990	Signs--Neon &/or Illuminated	Photo Advertising (Australia) Ltd.	53 Herbert,Artarmon,NSW	Address	418.6	North-west
2005	Computer Equipment--Installation & Networking	The Missing Link Network Integration Pty Ltd	Ground Floor, 53-55 Herbert St,ARTARMON,NSW,2064	Address	418.6	North-west
2010	Printers - General	Carbonbook	Lvl1/ 53- 55 Herbert St ARTARMON 2064 NSW	Address	418.6	North-west
1970	Film Exchanges	Bonded Services International Pty Ltd	13 Cleg Street,Artarmon,NSW	Address	418.7	North-west
2005	Car & Truck Cleaning Services	Inch-Care Car Detailing	13-17 Cleg St,ARTARMON,NSW,2064	Address	418.7	North-west
2005	Promotional Products	Protocol Marketing	13-17 Cleg St,ARTARMON,NSW,2064	Address	418.7	North-west
1965	Contractors	Reekers H	10,CaneaCr,NSW	Address	419.0	South
1965	French Polishers	Dreghorn J	1,Reserve,NSW	Address	419.0	South
1950	Builders & Contrators	Barnes FH	25 Clegg Street,Artarmon,NSW	Address	419.2	North-west
1980	Computer Devices	Natsemi Advanced Systems Pty Ltd	23 Cleg St.,Artarmon,NSW	Address	419.2	North-west
1980	Data Processing Equipment	Natsemi Advanced Systems Pty Ltd	23 Cleg St.,Artarmon,NSW	Address	419.2	North-west
2005	Lighting & Accessories--W'salers & Mfrs	ERCO Lighting	23 Cleg St,ARTARMON,NSW,2064	Address	419.2	North-west
1970	Cosmetic - Mfrs &/or W'salers	Ella Bache French Cosmetics	9 Cleg Street,Artarmon,NSW	Address	419.9	North-west
1970	Cosmetic - Mfrs &/or W'salers	Hallas Trading Co Pty Ltd	9 Cleg Street,Artarmon,NSW	Address	419.9	North-west
1970	Toilet Preparations	Hallas Trading Co Pty Ltd	9 Cleg Street,Artarmon,NSW	Address	419.9	North-west
1980	Toilet Supples	Hallas Trading Co Pty Ltd	9 Cleg St.,Artarmon,NSW	Address	419.9	North-west
1980	Cosmetic Mfrs. &/or W'salers	Ella Bache Cosmetics (Hallas Trading Co Pty Ltd)	9 Cleg St.,Artarmon,NSW	Address	419.9	North-west
2005	Gift Shop Supplies	Gift & Homewares Australia	9-11 Cleg St,ARTARMON,NSW,2064	Address	419.9	North-west
1980	Wrought Iron Workers	Kuulma Arno Pty Ltd	27 Cleg St.,Artarmon,NSW	Address	420.7	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Printing Machinery	Easyprint Australia Pty Ltd	27 Cleg St,ARTARMON,NSW,2064	Address	420.7	North-west
2010	Identification Systems & Information	Easyprint Australia Pty Ltd	27 Cleg St ARTARMON 2064 NSW	Address	420.7	North-west
2015	Identification Systems & Information	Easyprint Australia Pty Ltd	27 Cleg St Artarmon NSW 2064	Address	420.7	North-west
1970	Adhesive Tapes	Nashua Australia Pty Ltd	34 Chandos Street,St Leonards,NSW	Address	422.3	South-east
1980	Duplicating Machines &/or Supplies	Nashua Australia Pty Ltd	34 Chandos St.,St. Leonards,NSW	Address	422.3	South-east
1980	Office & Business Systems	Nashua Australia Pty Ltd	34 Chandos St.,St. Leonards,NSW	Address	422.3	South-east
1980	Photo Copies &/or Copying Equipment	Nashua Australia Pty Ltd	34 Chandos St.,St. Leonards,NSW	Address	422.3	South-east
1980	Data Processing Supplies	Nashua Australia Pty Ltd	34 Chandos St.,St. Leonards,NSW	Address	422.3	South-east
2005	Pharmaceutical Products--W'salers & Mfrs	ASPEN Pharmacare Australia	34-36 Chandos St,ST LEONARDS,NSW,2065	Address	422.3	South-east
2005	Advertising Agencies	Sass Pty Ltd	34 Chandos St,ST LEONARDS,NSW,2065	Address	422.3	South-east
1940	Floor Sanding & Polishing	YORK P C	31 Mitchell Street,St Leonards,NSW	Address	423.6	South-east
1965	Engineers—Repetition	Williams E L Pty Ltd	1,Cleg,NSW	Address	424.0	North
1965	Toolmakers	Dowling K P	1,Cleg,NSW	Address	424.0	North
1970	ENGINEERS—PRODUCTION	Williams, E. L. Pty. Ltd.,	1 Cleg St.,Artarmon	Address	424.0	North
1970	ENGINEERS—REPETITION	Williams, E. L. Pty. Ltd.,	1 Cleg St.,Artarmon	Address	424.0	North
1970	GRINDERS—PRECISION	Dowling Keith P.,	1 Cleg St.,Artarmon	Address	424.0	North
1970	PLASTIC MFRS. &/OR MOULDERS	Dowling, K. P.,	1 Cleg St.,Artarmon	Address	424.0	North
1970	ENGINEERS—GENERAL &/OR MFRG. &/OR MECHANICAL	Williams, E. L. Pty. Ltd.,	1 Cleg St. .Artarmon,NSW	Address	424.0	North
1970	TOOL MAKERS	Dowling, K. P„	1 Cleg St.. Artarmon,NSW	Address	424.0	North
1970	Analysts	Analchem Consultants Pty Ltd	1 Cleg Street,Artarmon,NSW	Address	424.0	North
1970	Analysts	Geosearch Assay Laboratories Pty Ltd	1 Cleg Street,Artarmon,NSW	Address	424.0	North
1970	Chemists-Consulting &/or Industrial	Analchem Consultants Pty Ltd	1 Cleg Street,Artarmon,NSW	Address	424.0	North
1970	Repetition Engineers	Williams E L Pty Ltd	1 Cleg Street,Artarmon,NSW	Address	424.0	North
1970	Research Laboratories	Analchem Consultants Pty LTd	1 Cleg Street,Artarmon,NSW	Address	424.0	North
1970	Assayers	Geosearch Assay Laboratories Pty Ltd	1 Cleg Street,Artarmon,NSW	Address	424.0	North
1980	Office Requisites	Eastham & Patterson Pty Ltd	1 Cleg St.,Artarmon,NSW	Address	424.0	North
1980	Repetition Engineers	Williams E L Pty Ltd	1 Cleg St.,Artarmon,NSW	Address	424.0	North
1980	Stationers - Mfrg &/or W'sale	Eastham & Patterson Pty Ltd	1 Cleg St.,Artarmon,NSW	Address	424.0	North

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Repetition Engineers	E L Williams Pty Ltd	1 Cleg St,ARTARMON,NSW,2064	Address	424.0	North
2010	Engineers - Repetition	E L Williams Pty Ltd	1 Cleg St ARTARMON 2064 NSW	Address	424.0	North
1970	Plastics	Dowling K P	1 Cleg Street,Artarmon	Address	425.5	North
1970	Plastics	Dowling K P	1 Cleg Street,Artamon,NSW	Address	425.5	North
1990	POWER TRANSMISSION EQUIPMENT & SUPPLIES	WICHITA CLUTCHES& BRAKES	1 Cleg Street, Artarmon New South Wales 2064, Australia	Address	425.5	North
1970	Photographers-Commercial & Industrial	Browne Buster Photography	29 Mitchell Street,St Leonards,NSW	Address	426.8	South-east
2015	Pharmaceuticals - M/Factrs & W/Salers	ASPEN Pharmacare Australia	34-36 Chandos St St Leonards NSW 2065	Address	427.0	South-east
2015	Steel Merchant	Metaland	Level 6 205 Pacific Hwy St Leonards NSW 2065	Address	429.2	South
2005	Trophies; Engravers & Die Sinkers	Engravingking	Shop 5p/1, 201-205 Pacific Hwy,ST LEONARDS,NSW,2065	Address	429.6	South
2005	Footwear Repairs	St Leonards Shoe Repairs	Shop 5p/1, 201-205 Pacific Hwy,ST LEONARDS,NSW,2065	Address	429.6	South
1965	Agents—Manufacturers'	Bevan H W&Co Pty Ltd	104,Christie,NSW	Address	429.8	South
1965	Wine & Spirit Merchants—W'sale	NATHAN & WYETH PTY LTD	106,Christie,NSW	Address	429.8	South
1970	Clothing-Dress Mfrs. &/or W'salers	Princeton Productions Pty Ltd	102 Christie Street,St Leonards,NSW	Address	429.8	South
1970	Motor Engineers & Repairers	Powertune Engineering	104 Christie Street,St Leonards,NSW	Address	429.8	South
1970	Motor Mechanics	Powertune Engineering	104 Christie Street,St Leonards,NSW	Address	429.8	South
1980	Motor Engineers & Repairers	Cottam P & L Auto Repairs	104 Christie St.,St. Leonards,NSW	Address	429.8	South
1980	Motor Engineers & Repairers	Cottom P & L Auto Repairs	104 Christie St.,St. Leonards,NSW	Address	429.8	South
1980	Motor Engineers & Repairers	Mabey Peter Car Care	106 Christie St.,St. Leonards,NSW	Address	429.8	South
1980	Stationers - Mfrg &/or W'sale	Krystal Office Supplies Pty Ltd	106 Christie St.,St. Leonards,NSW	Address	429.8	South
1980	Clothing - Dress Mfrs. &/or W'salers	Princeton Productions Pty Ltd	102 Christie St.,St. Leonards,NSW	Address	429.8	South
1990	Explosives	ICI Expolosives	100 Christie,St. Leonards,NSW	Address	429.8	South
1990	Explosives	ICI Explosives	100 Christie,St. Leonards,NSW	Address	429.8	South
1990	Explosives	I C I Explosives	100 Christie St.,St. Leonards,NSW	Address	429.8	South
1990	Explosives	ICI Explosives	100 Christie Street,St. Leonards,NSW	Address	429.8	South
1990	Explosives	ICI Explosives	100 Christie,St. Leonards,NSW	Address	429.8	South

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1990	Explosives	ICI Explosives	100 Christie,St. Leonards,NSW	Address	429.8	South
1990	Coal & Coke	Coalex Pty Ltd	100 Christie Street,St Leonards,NSW	Address	429.8	South
1990	Explosives	ICI Explosives	100 Christie,St Leonards,NSW	Address	429.8	South
1980	Washers	Universal Gaskets Pty Ltd	8 Lambs Road,Artarmon,NSW	Address	430.6	North
1980	Gaskets & Packings	Universal Gaskets Pty Ltd	8 Lambs Road,Artarmon,NSW	Address	430.6	North
2005	Gaskets & Packings; Rubber Products--W'salers & Mfrs	Universal Gaskets	8 Lambs Rd,ARTARMON,NSW,2064	Address	430.6	North
2010	Rubber M/factrs & W/salers	Universal Gaskets	8 Lambs Rd ARTARMON 2064 NSW	Address	430.6	North
2015	Gaskets & Seals	Universal Gaskets	8- 12 Lambs Rd Artarmon NSW 2064	Address	430.6	North
1970	BOOKBINDERS	Gorbert Binding Co. Pty. Ltd.,	11-13 Chandos St.,Crows Nest	Address	430.8	South-east
1970	CARDBOARD BOX & CARTON MANUFACTURERS	Gorbert Binding Co. Pty. Ltd.,	11 Chandos St.,Crows Nest	Address	430.8	South-east
1970	PAPER CONTAINER MFRS.	Gorbert Binding Co. Pty. Ltd.,	11 Chandos St.,Crows Nest	Address	430.8	South-east
1970	STATIONERS—MFRG.	Gorbert Binding Co. Pty. Ltd.,	11 Chandos St.,Crows Nest	Address	430.8	South-east
1970	JEWELLERY CASE MFRS./DISTS.	Gorbett Binding Co. Pty. Ltd.,	11-13 Chandos St.,St. Leonards	Address	430.8	South-east
1980	Building Supplies	Le Beller	11 Chandos St.,St. Leonards,NSW	Address	430.8	South-east
1980	Motor Accessories - Mfrs &/or W'salers	GH Moldings	11 Chandos St.,St. Leonards,NSW	Address	430.8	South-east
1980	Perfumes - Mfrs &/or W'salers	Rougon-Queyrel Pty Ltd	11 Chandos St.,St. Leonards,NSW	Address	430.8	South-east
1980	Printers - Lithographic	Litho-Type Printing Service	15 Chandos St.,St. Leonards,NSW	Address	430.8	South-east
2005	Pre-Press Production Services	Amazing Faces	11 Chandos St,ST LEONARDS,NSW,2065	Address	430.8	South-east
2010	Telephone Systems - Equipment & Machinery	Samsung Communications	11 Chandos St ST LEONARDS 2065 NSW	Address	430.8	South-east
2015	Printers - General	Worldwide Printing Solutions	Shop R1 11 Chandos St St Leonards NSW 2065	Address	430.8	South-east
2015	Telephone Systems - Equipment & Machinery	Samsung Communications	11 Chandos St St Leonards NSW 2065	Address	430.8	South-east
1970	ELECTRIC CONDENSER MFRS.	"Miniwatt" Electronics,	20 Herbert St.,Artarmon	Address	433.2	North-west
1970	ELECTRONIC EQUIPMENT MFRS. &/OR DISTRIBUTORS	"Mlniwatt" Electronics (Div. of Philips Electrical Pty. Ltd.),	20 Herbert St.,Artarmon	Address	433.2	North-west
1970	PRINTED CIRCUIT MFRS.	"Miniwatt" Electronics (Division of Philips Electrical Pty. Ltd.),	20 Herbert St.,Artarmon	Address	433.2	North-west
1970	RESISTOR MANUFACTURERS	"Miniwatt" Electronics (Div. of Philips Electrical Pty. Ltd.),	20 Herbert Road,Artarmon	Address	433.2	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	TRANSISTOR MFRS./DISTS.	"Miniwatt" Electronics (Division of Philips Electrical Pty. Ltd.),	20 Herbert St.,Artarmon	Address	433.2	North-west
1970	Alarm Systems-Machinery Protection	Phillips Systems Engineering Centre	20 Herbert Street,Artarmon,NSW	Address	433.2	North-west
1970	Automation Systems &/or Equipment	Philips Systems Engineering Centre	20 Herbert Street,Artarmon,NSW	Address	433.2	North-west
1970	Controllers-Automatic	Philips Systems Engineering Centre	20 Herbert Avenue,Artarmon,NSW	Address	433.2	North-west
1970	Electronic Engineers	Philips Systems Engineering Centre	20 Herbert Street,Artarmon,NSW	Address	433.2	North-west
1970	Photo Electric Apparatus	Philips Systems Engineering Centre	20 Herbert Street,Artarmon,NSW	Address	433.2	North-west
1970	RADIO &/OR TELEVISION COMPONENT PARTS MFRS.	"Miniwatt" Electronics (Division of Philips Electrical Pty. Ltd.),	20 Herbert Road,Artarmon	Address	433.2	North-west
1970	ELECTRIC COIL-WINDING/ TRANSFORMER SPECIALISTS	"Miniwatt" Electronics (Divsn of Philips Electrical Pty. Ltd.),	20 Herbert St. Artarmon,NSW	Address	433.2	North-west
1980	Electrical Switches & Control Equipment	N.E.M. Australia Pty Ltd	20 Herbert Street,Artarmon,NSW	Address	433.2	North-west
1980	Electrical Accessories - Mfrs &/or W'salers	M.E.M. (Aust) Pty Ltd	20 Herbert St.,Artarmon,NSW	Address	433.2	North-west
1980	Electrical Switches & Control Equipment	M.E.M. (Aust) Pty Ltd	20 Herbert St.,Artarmon,NSW	Address	433.2	North-west
1980	Metal Stamping & Pressing	M E M (Aust) Pty Ltd	20 Herbert St.,Artarmon,NSW	Address	433.2	North-west
1980	Metal Stamping & Pressing	M E M Industries Pty Ltd	20 Herbert St.,Artarmon,NSW	Address	433.2	North-west
1990	Electrical Accessories - Mfrs &/or W'salers	MEM (Aust) Pty Ltd	20 Herbert,Artarmon,NSW	Address	433.2	North-west
2005	Tiles--Wall & Floor; Marble & Granite Merchants	Academy Tiles	20 Herbert Street (Cnr Cleg St),ARTARMON,NSW,2064	Address	433.2	North-west
1965	Engineers—General	Cooper K R Pty Ltd	5,Cleg,NSW	Address	435.2	North-west
1965	Engineers—Manufacturing	Cooper K R Pty Ltd	5,Cleg,NSW	Address	435.2	North-west
1970	COSMETIC MFRS. &/OR W'SALERS	Hallas Trading Co. Pty. Ltd.,	3 Cleg St.,Artarmon	Address	435.2	North-west
1970	ENGINEERS—GENERAL &/OR MFRG. &/OR MECHANICAL	Cooper, K. R. Pty. Ltd.,	5-7 Cleg St.,Artarmon	Address	435.2	North-west
1970	ENGINEERS—HOSPITAL EQUIP.	Cooper, K. R. Pty. Ltd.,	5-7 Cleg St.,Artarmon	Address	435.2	North-west
1970	ENGINEERS—HOT WATER, HEATING/ VENTILATING	Cooper, K. R. Pty. Ltd.,	5 Cleg St.,Artarmon	Address	435.2	North-west
1970	HOSPITAL EQUIPMENT MFRS. &/OR SUPPLIERS	Cooper, K. R. Pty. Ltd.,	5-7 Cleg St.,Artarmon	Address	435.2	North-west
1970	ROOM HEATERS—LIQUID FUEL— MFRS./DISTRIBUTORS	Cooper, K. R. Pty. Ltd.,	5 Cleg St.,Artarmon	Address	435.2	North-west
1970	SHEET METAL WORKERS	Cooper, K. R. Pty. Ltd.,	5-7 Cleg St.,Artarmon	Address	435.2	North-west
1980	Lighting	Strebor Designs Pty Ltd	5 Clegg St. (Factory),Artarmon,NSW	Address	435.2	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Photographic Processing Services	Digital MaxAddy	5 -7 Cleg St,ARTARMON,NSW,2064	Address	435.2	North-west
2010	Photography Processing Services - Domestic	Digital Maxaddy	5-7 Cleg St ARTARMON 2064 NSW	Address	435.2	North-west
1980	Electrical Engineers	Brown Boveri (Aust) Pty Ltd	38 Chandos Street,St. Leonards,NSW	Address	436.6	South-east
1980	Electrical Switches & Control Equipment	Brown Boveri (Aust) Pty Ltd	38 Chandos Street,St. Leonards,NSW	Address	436.6	South-east
1980	Electrical Engineers	Brown Boveri Pty Ltd	38 Chandos Street,St Leonards,NSW	Address	436.6	South-east
1980	Electrical Switches & Control Equipment	Brown Boveri Pty Ltd	38 Chandos Street,St Leonards,NSW	Address	436.6	South-east
1980	Electrical Switches & Control Equipment	Brown Boveri (Aust) Pty. Ltd.	38 Chandos,St. Leonards,NSW	Address	436.6	South-east
1980	Electrical Engineers	Brown Boveri (Aust) Pty Ltd	38 Chandos Street,St. Leonards,NSW	Address	436.6	South-east
1980	Electrical Switches & Control Equipment	Brown Boveri (Aust) Pty Ltd	38 Chandos Street,St. Leonards,NSW	Address	436.6	South-east
1965	Grocers—Retail	Arena A	76,Northcote,NSW	Address	437.0	East
1970	MIXED BUSINESSES	Northcote Mixed & Fruit,	76 Northcote St.,Naremburn	Address	437.0	East
1970	Corrosion Consultants	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1970	Flooring-Composition &/or Anti-Corrosive	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1970	Rustproofing Processes & Materials	Vessey Chemicals Pty LTd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1970	Carriers Light	Rapid Transport (Northside) Pty Ltd	9 Lancelly Place,Artarmon,NSW	Address	437.8	West
1970	Paints & Varnishes - Mfrs. &/or W'salers	Vessey Chemicals Pty LTd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints and Varnishes - Mfrs &/or W'salers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes - Mfrs &/or W'salers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes - Mfrs &/or W'salers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Coatings - Protective	Carboline Coatings	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Coatings - Protective	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Concrete Floor Treatment &/or Repair Service	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Fire Resistant Materials &/or Supplies	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Flooring - Composition &/or Anti-Corrosive	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints and Varnishes - Mfrs &/or W'salers	Carboline Coatings	9 Lanceley Place,Artarmon,NSW	Address	437.8	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Paints and Varnishes - Mfrs &/or W'salers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Pipe Lining & Coating	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Rustproofing Processes & Materials	Carboline Coatings	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Rustproofing Processes & Materials	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes ---- Mfrs &/or W'salers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes---- Mfrs &/or W'salers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes -- Mfrs &/or W'salers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes- Mfrs. &/or W'salers	Vessey Chamicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes - Mfrs &/or Wholesalers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes - Mfrs &/or Wholesalers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1980	Paints & Varnishes - Mfrs. &/or W'salers	Vessey Chemicals Pty. Ltd.	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1990	Flooring--Composition &/or Anti-Corrosive	Vessey Chemicals Pty. Ltd.	9 Lancely Place,Artarmon,NSW	Address	437.8	West
1990	Paints--Mfrs &/or W'salers	Vessey Chemicals Pty. Ltd.	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1990	Flooring - Composition &/or Anti-Corrosive	Vessey Chemicals Pty. Ltd.	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1990	Paints--Mfrs &/or W'salers	Vessey Chemicals Pty. Ltd.	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1990	Flooring - Composition &/or Anti-Corrosive	Vessey Chemicals Pty. Ltd.	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1990	Paints-Mfrs &/or W'salers	Vessey Chemicals Pty. Ltd.	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
1990	Paints - Mfrs &/or W'salers	Vessey Chemicals Pty Ltd	9 Lanceley Place,Artarmon,NSW	Address	437.8	West
2005	Partitions	Craftsmen Office Interiors NSW Pty Ltd	Unit 1 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Generators & Generating Sets	Delta Diesel Services	Unit 5, 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Trophies	Design Awards	2/ 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Computer Equipment Supplies	Dynamic Supplies Pty Ltd	Unit 3/ 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Valves, Equipment & Service	Hy-Performance Valves	Unit 14 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Computer Equipment--Hardware	Synax Systems Pty Ltd	78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Display & Exhibition Equipment & Supplies; Point of Sale Equipment & Services	Taymar Brochure Holders	Unit 16, 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Display & Exhibition Equipment & Supplies; Point of Sale Equipment & Services	Taymar International Pty. Ltd.	Unit 16, 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	T-Shirt Suppliers; Pens & Pencils--W'salers & Mfrs; Hats & Caps--W'salers & Mfrs; Promotional Products	Value Added Promotions, Artarmon	Unit 12, 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Electrical Contractors	Bretco Electric	Unit 5/ 78 Reserve Rd,ARTARMON,NSW,1570	Address	437.8	West
2005	Display & Exhibition Equipment & Supplies; Point of Sale Equipment & Services	Brochure Holders	Unit 16, 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Computer Equipment Supplies	IT Distribution International Pty Ltd	78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Fitness Equipment	Life Fitness Australia	Unit 8/ 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Metal Sprayers; Metallizing	Metal Studio	2/ 78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2005	Computer Equipment Supplies	PC View Computers Pty Ltd	78 Reserve Rd,ARTARMON,NSW,2064	Address	437.8	West
2010	Valves Equipment Machinery & Service	Hy-Performance Valves	Unit 14 78 Reserve Rd ARTARMON 2064 NSW	Address	437.8	West
2010	Wine Makers Supplies	Winevault	7- 11 Lanceley Pl ARTARMON 2064 NSW	Address	437.8	West
2010	Photographer - General	Joshua Dasey Photography	Unit 3 78 Reserve Rd ARTARMON 2064 NSW	Address	437.8	West
2010	Storage - General Facilities & Service	Spare Room Self Storage	7- 11 Lanceley Pl ARTARMON 2064 NSW	Address	437.8	West
2010	Rubbish & Waste Removal	U -Load Management Pty Ltd	11 Lanceley Pl ARTARMON 2064 NSW	Address	437.8	West
2015	Photographer - General	Ad-Libitum Pty Ltd	Unit 15/ 78 Reserve Rd Artarmon NSW 2064	Address	437.8	West
2015	Valves Equipment Machinery & Service	Hy-Performance Valves	Unit 14 78 Reserve Rd Artarmon NSW 2064	Address	437.8	West
2015	Glass Merchants & Installation Service Glaziers	On The Spot Glazing Supplies Pty Ltd	76 Reserve Rd Artarmon NSW 2064	Address	437.8	West
2015	Bakeries	Pan Italia Pty Ltd	9/ 78 Reserve Rd Artarmon NSW 2064	Address	437.8	West
1970	Motor Electrical Service - Automotive	Achiklan K	41 Waters Road,Narambeen,NSW	Address	438.4	East
1965	Jewellers—Mfrg. &/or W'sale	Clarke John	19,Chandos,NSW	Address	440.0	South-east
1965	Jewellers—Mfrg. &/or W'sale	Ranii Products	19,Chandos,NSW	Address	440.0	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	JEWELLERS—MANUFACTURING— W'SALERS &/OR IMPORTS.	Ranil Products,	19 Chandos St.,Crows Nest	Address	440.0	South-east
1970	Jewellers-Mfrg. &/or W'sale	Clarke John & Son Pty Ltd	19 Chandos Street,St Leonards,NSW	Address	440.0	South-east
1970	Jewellers-Mfrg. &/or W'sale	Specialist Jewellers	19 Chandos Street,St Leonards,NSW	Address	440.0	South-east
1980	Frozen Foods - Mfrs. &/or W'salers	Duntroon Food Services Pty Ltd	17 Chandos St.,St. Leonards,NSW	Address	440.0	South-east
1980	Hotel & Restaurant Cooking Equipment	Duntroon Food Services Pty Ltd	17 Chandos St.,St. Leonards,NSW	Address	440.0	South-east
2005	Jewellers--W'sale & Mfrg	Clarke John & Son, St leonards	19 Chandos St,ST LEONARDS,NSW,2065	Address	440.0	South-east
1980	Electric Motors & Generators	Brown Boveri (Aust) Pty Ltd	38 Chandos St.,St. Leonards,NSW	Address	441.4	South-east
1980	Furnaces	Brown Boveri (Aust) Pty Ltd	38 Chandos St.,St. Leonards,NSW	Address	441.4	South-east
1980	Fuses - Electric	Brown Boveri (Aust) Pty Ltd	38 Chandos St.,St. Leonards,NSW	Address	441.4	South-east
1980	Kitchen Renovations, Equipment & Fittings	Khedel Kitchens	38 Chandos St.,St. Leonards,NSW	Address	441.4	South-east
1980	Engines - Diesel &/or Equipment & Parts	Brown Boveri (Aust) Pty Ltd	38 Chandos St.,St. Leonards,NSW	Address	441.4	South-east
1990	Explosives	Dyno Wesfarmers Ltd.	40 Chandos,St. Leonards,NSW	Address	441.4	South-east
1990	Explosives	Dyno Westfarmers Ltd.	40 Chandos,St. Leonards,NSW	Address	441.4	South-east
1990	Explosives	Dyno Wesfarmers Ltd	40 Chandos St.,St. Leonards,NSW	Address	441.4	South-east
1990	Explosives	Dyno Wesfarmers Ltd	40 Chandos Street,St Leonards,NSW	Address	441.4	South-east
1990	Explosives	Dyno Wesfarmers Ltd	40 Chandos Street,St Leonards,NSW	Address	441.4	South-east
1990	Explosives	Dyno Wesfarmers Ltd	40 Chandos Street,St. Leonards,NSW	Address	441.4	South-east
1990	Explosives	Dyno Westfarmers Ltd.	40 Chandos,St. Leonards,NSW	Address	441.4	South-east
1990	Fire Protection Equipment & Consultants	Addicoat Hogarth Wilson Pty Ltd	40 Chandos,St Leonards,NSW	Address	441.4	South-east
2005	Carriers--Light; Rubbish Removers	A Aben Rubbish Removals	38 Darvall St,ST LEONARDS,NSW,2065	Address	441.8	East
2010	Rubbish & Waste Removal	A Aben Rubbish Removals	38 Darvall St ST LEONARDS 2065 NSW	Address	441.8	East
2015	Rubbish & Waste Removal	A Aben Rubbish Removals	38 Darvall St St Leonards NSW 2065	Address	441.8	East
2005	Mechanical Engineers	Karlo Kittl Motors	12 Grandview St,NAREMBURN,NSW,2065	Address	442.2	North-east
1970	ELECTRIC CIRCUIT BREAKER MANUFACTURERS	Reyrolle, A. & Co. (Australia) Pty. Ltd.,	81 Christie St.,St. Leonards	Address	444.3	South-east
1970	ENGINEERS—ELECTRICAL	Reyrolle, A. & Co. (Australia) Pty. Ltd.,	81 Christie St.,St. Leonards	Address	444.3	South-east
1970	ELECTRIC FUSE/FUSE GEAR MFRS. &/OR DISTS.	Reyrolle, A. & Co. (Australia) Pty. Ltd.,	81 Christie St. St. Leonards,NSW	Address	444.3	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Weldng Equipment & Electrode Suppliers	All State Welding Alloys	81 Christie St.,St. Leonards,NSW	Address	444.3	South-east
1980	Weldng Equipment & Electrode Suppliers	Strata Welding Alloys Pty Ltd	81 Christie St.,St. Leonards,NSW	Address	444.3	South-east
1970	Dredging Contractors &/Or Equipment Mfrs.	Dredging Industries (Austi Pty Ltd	89 Chandosh Street St Leonards QLD	Address	444.7	South-east
1970	Manhole Covers & Gratings	Gatic Pty Ltd	21 Chandos Street,St Leonards,NSW	Address	444.7	South-east
1970	Rustproofing Processes & Materials	Denso Pty Ltd	21 Chandos Street,St Leonards,NSW	Address	444.7	South-east
1970	Rustproofing Processes & Materials	Denso Pty Ltd	21 Chandos Street,St Leonards,NSW	Address	444.7	South-east
1970	Manhole Covers & Gratings	Gatic Pty Ltd	21 Chandos Street,St Leonards,NSW	Address	444.7	South-east
1970	Manhole Covers & Gratings	Gatic (Aust) Pty Ltd	21 Chandos Street,St. Leonards	Address	444.7	South-east
1970	Manhole Covers & Gratings	Gatic (Aust) Pty. Ltd.	21 Chandos Street,St. Leonards,NSW	Address	444.7	South-east
1970	Manhole Covers & Gratings	Gatic (Aust) Pty. Ltd.	21 Chandos Street,St. Leonards,NSW	Address	444.7	South-east
1970	BUILDERS' SUPPLIERS	Gatic (Aust.) Pty. Ltd.,	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	ENGINEERS—FOUNDRY	Gatic (Aust.) Pty. Ltd.,	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	ENGINEERS—GENERAL &/OR MFRG. &/OR MECHANICAL	Gatic (Aust.) Pty. Ltd.,	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	FOUNDERS—FERROUS	Gatlc (Aust.) Pty. Ltd.,	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	INSULATING TAPE MFRS.	Denso (Aust.) Pty. Ltd.,	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	MANHOLE & TRENCH COVERS— CAST IRON—MANUFACTURERS &/OR DISTRIBUTORS	Gatic (Aust.) Pty. Ltd.,	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	RUSTPROOFING MATERIALS	Denso (Aust.) Pty. Ltd.	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	RUSTPROOFING SPECIALISTS	Denso (Aust.) Pty. Ltd.	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	GRATE MANUFACTURERS	Gatic (Aust.) Pty. Ltd.,	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	Manhole Covers & Gratings	Gatic (Aust) Pty Ltd	21 Chandos Street,St Leonards,NSW	Address	444.7	South-east
1970	Staioners-Mfrg. &/or Wholesale	W.T. Manufacturers Pty Ltd	21 Chandos Street,St Leonards,NSW	Address	444.7	South-east
1970	INSULATING MATERIAL SUPPLIERS	Denso (Aust.) Pty. Ltd.,	21 Chandos St.,St. Leonards	Address	444.7	South-east
1970	Electronic Parts - Mfrs. &/or W'salers	Cema Pty Ltd	21 Chandos Street,St Leonards,NSW	Address	444.7	South-east
1970	Manhole Covers & Gratings	Gatic (Aust) Pty Ltd	21 Chandos Street,St. Leonards,NSW	Address	444.7	South-east
1970	Rust Proofing Processes	Denso (Aust) Pty. Ltd.	21 Chandos Street,St. Leonards,NSW	Address	444.7	South-east
1980	Carburettors &/or Service	North Shore Carburettor & Tuning Service	21 Chandos St.,St. Leonards,NSW	Address	444.7	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Carburettors &/or Service	Sadgrove Automotive Co	21 Chandos St.,St. Leonards,NSW	Address	444.7	South-east
1980	Electronic Equipment Mfrs &/or W'salers	Cema Electronics Sales	21 Chandos St.,St. Leonards,NSW	Address	444.7	South-east
1980	Motor Engineers & Repairers	Sadgrove Automotive Co	21 Chandos St.,St. Leonards,NSW	Address	444.7	South-east
1980	Electronic Parts Mfrs &/or W'salers	Cema Electronics Pty Ltd	21 Chandos St.,St. Leonards,NSW	Address	444.7	South-east
1980	Electronic Parts Mfrs &/or W'salers	Cema Electronics Sales	21 Chandos St.,St. Leonards,NSW	Address	444.7	South-east
1980	Fuel Injection Equipment &/or Service	Sadgrove Automotive Co	21 Chandos St.,St. Leonards,NSW	Address	444.7	South-east
2005	Advertising-General	Bennett Creative Group Pty Ltd	21 Chandos St,ST LEONARDS,NSW,2065	Address	444.7	South-east
2010	Video & DVD Production & Duplication Service	Medialink Productions	Level 2 21 Chandos St ST LEONARDS 2065 NSW	Address	444.7	South-east
2015	Chemists - Retail Pharmacies	PDLA Pharmacy Pty Ltd	Lvl 2/ 21 Chandos St St Leonards NSW 2065	Address	444.7	South-east
1970	Chemical Mfrs. &/or Druggists-W'sale	Allergan Pharmaceuticals Pty Ltd	32 Punch Street,Artarmon,NSW	Address	445.9	North-west
1980	Insulation Contractors - thermal &/or Acoustic	Soundguard Pty Ltd	32 Punch St.,Artarmon,NSW	Address	445.9	North-west
1980	Noise Control Equipment	Soundguard Pty Ltd	32 Punch St.,Artarmon,NSW	Address	445.9	North-west
1980	Partitions	Soundguard Pty Ltd	32 Punch St.,Artarmon,NSW	Address	445.9	North-west
1980	Vibration Control	Soundguard Acoustics Pty Ltd	32 Punch St.,Artarmon,NSW	Address	445.9	North-west
1980	Insulation Materials - Acoustic -W'salers &/or Mfrs	Antiphon	32 Punch St.,Artarmon,NSW	Address	445.9	North-west
2005	Sewage & Waste Water Treatment	Airvac RSM Pty Ltd	32 Punch St,ARTARMON,NSW,2064	Address	445.9	North-west
2005	Printers' Supplies & Services	Boomerang Matrix Pty Ltd	30 Punch St,ARTARMON,NSW,2064	Address	445.9	North-west
2015	Cartridges - Printing Inks & Toners	Boomerang Matrix Pty Ltd.	30 Punch St Artarmon NSW 2064	Address	445.9	North-west
1970	Fans & Blowers-Mfrs.	Denney James Pty Ltd	34 Punch Street,Artarmon,NSW	Address	446.0	North-west
1970	Aluminium Fabricators	Denney James Pty Ltd	34 Punch Street,Artarmon,NSW	Address	446.0	North-west
1970	Air Conditioning-Commercial & Industrial	Denney James Pty Ltd	34 Punch Street,Artarmon,NSW	Address	446.0	North-west
1980	Heating Appliances &/or Systems	Nobo Electrical Heating	32 Punch Street,Artarmon,NSW	Address	446.0	North-west
1980	Heating Appliances &/or Systems	Impact Air Pty Ltd	34 Punch St.,Artarmon,NSW	Address	446.0	North-west
1980	Water Softeners & Treatment	Barrier Watertreatment Services Pty Ltd	34 Punch St.,Artarmon,NSW	Address	446.0	North-west
1980	Air Conditioning - Commercial & Industrial	Impact Air Services Pty Ltd	34 Punch St.,Artarmon,NSW	Address	446.0	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Air Conditioning - Commercial & Industrial	Impetus Management Services Pty Ltd	34 Punch St.,Artarmon,NSW	Address	446.0	North-west
1980	Air Conditioning - Consultants	Impetus Management Services Pty Ltd	34 Punch St.,Artarmon,NSW	Address	446.0	North-west
1980	Air Conditioning - Engineers	Impact Air Pty Ltd	34 Punch St.,Artarmon,NSW	Address	446.0	North-west
2005	Plastic Cards & Equipment	PPC Smarter Card Solutions	34 Punch St,ARTARMON,NSW,2064	Address	446.0	North-west
2005	Motor Cycles, Parts & Accessories--Retail	A L Penn Motorcycles	34 Punch St,ARTARMON,NSW,2064	Address	446.0	North-west
2005	Motor Cycles, Parts & Accessories--Retail	L Penn Motorcycles	34 Punch St,ARTARMON,NSW,2064	Address	446.0	North-west
2005	Motor Cycles, Parts & Accessories--Retail	Lloyd Penn Motorcycles	34 Punch St,ARTARMON,NSW,2064	Address	446.0	North-west
2010	Motor Cycle - New Parts & Accessories Retail	A L Penn Motorcycles	34 Punch St ARTARMON 2064 NSW	Address	446.0	North-west
2010	Fire Prevention Consultants	Civil Fire	34 Punch St ARTARMON 2064 NSW	Address	446.0	North-west
2010	Plastic Membership Cards & Equipment	Ppc (Plastic Card Solutions)	Lvl 1 34 Punch St ARTARMON 2064 NSW	Address	446.0	North-west
1990	Surveyors---Equipment &/or Supplies	Sokkisha Pty Ltd	28 Punch St.,Artarmon,NSW	Address	446.2	North-west
1990	Surveyors - Equipment &/or Supplies	Sokkisha Pty Ltd	28 Punch Street,Artarmon,NSW	Address	446.2	North-west
1990	Surveyors---Equipment &/or Supplies	Sokkisha Pty Ltd	28 Punch Street,Artarmon,NSW	Address	446.2	North-west
2010	Identification Services & Equipment	Practical Peripherals Corporation Pty Ltd	Lvl 1 34 Punch St ARTARMON 2064 NSW	Address	446.2	North-west
2015	Identification Services & Equipment	Practical Peripherals Corporation Pty Ltd	Lvl 1 34 Punch St Artarmon NSW 2064	Address	446.2	North-west
2015	Fire Prevention Consultants	Civil Fire	34 Punch St Artarmon NSW 2064	Address	446.2	North-west
2015	Motor Cycle - New Parts & Accessories Retail	A L Penn Motorcycles	34 Punch St Artarmon NSW 2064	Address	446.2	North-west
1980	Instruments - Nuclear	Searle Nucleonics	42 Chandos St.,St. Leonards,NSW	Address	446.3	South-east
1980	Motor Cars - New	Alto Ford (Alto Service (St.Leonards) Pty Ltd	Adjacent to Station A2 Chandos St.,St. Leonards,NSW	Address	446.3	South-east
1980	Motor Engineers & Repairers	Alto Service (St. Leonards) Pty Ltd	Adjacent to Station A2 Chandos St.,St. Leonards,NSW	Address	446.3	South-east
1980	Motor Replacement Parts	Alto Service (St. Leonards) Pty Ltd	Adjacent to Station A2 Chandos St.,St. Leonards,NSW	Address	446.3	South-east
1990	Computer Equipment ---- Hardware	Computer Resources	42 Chandos Street,Saint Leonards,NSW	Address	446.3	South-east
1990	Computer Equipment ---- Hardware	Computer Resources	42 Chandos St.,St. Leonards,NSW	Address	446.3	South-east
1990	Computer Equipment ---- Hardware	Computer Resources Co	42 Chandos St.,St. Leonards,NSW	Address	446.3	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1990	Computer Equipment - Hardware	Computer Resources Co	42 Chandos Street,St Leonards,NSW	Address	446.3	South-east
1990	Computer Equipment-Hardware	Computer Resources Company	42 Chandos Street,St Leonards,NSW	Address	446.3	South-east
1990	Computer Equipment ----Hardware	Computer Resources	42 Chandos Street,St. Leonards,NSW	Address	446.3	South-east
2010	Storage & Shelving Systems	Moore	42-44 Chandos St ST LEONARDS 2065 NSW	Address	446.3	South-east
2010	Mobile Telephones - Service & Repairs	Voiceplus Pty Ltd	42-44 Chandos St ST LEONARDS 2065 NSW	Address	446.3	South-east
2010	Panel Beaters & Automotive Painting	Panelcorp Autobody Repair Centre (St Leonards)	A2 Chandos St ST LEONARDS 2065 NSW	Address	446.3	South-east
2010	Panel Beaters & Automotive Painting	Alto Ford	A/2 Chandos St ST LEONARDS 2065 NSW	Address	446.3	South-east
2015	Storage & Shelving Systems	Moore	42 Chandos St St Leonards NSW 2065	Address	446.3	South-east
2015	Car Replacement Parts	Alto St Leonards	A2 Chandos St Leonards NSW 2065	Address	446.3	South-east
2015	Engineers - Motor & Repairers	Alto Service St Leonards	A2 Chandos St Leonards NSW 2065	Address	446.3	South-east
1965	Photo Finishing	P.M. INDUSTRIES PTY LTD	61-63,HerbertSt,NSW	Address	446.5	North-west
1965	Photographic Colour Processing	P.H. INDUSTRIES PTY LTD	61-63,HerbertSt,NSW	Address	446.5	North-west
1970	PHOTOGRAPHIC DEVELOPING, PRINT-ING/COLOURING SERVICES	P.M. Industries Pty. Ltd.,	61-63 Herbert St.,St. Leonards	Address	446.5	North-west
1970	Photographic Colour Processing	P.M. Professional Services Pty Ltd	63 Herbert Street,St Leonards,NSW	Address	446.5	North-west
1980	Lighting	Lighting & Allied Products Pty Ltd	36 Punch Street,Artarmon,NSW	Address	446.5	North-west
1980	Lamps - Electric	Allied Lighting	36 Punch St.,Artarmon,NSW	Address	446.5	North-west
1980	Lighting	Allied Lighting	36 Punch St.,Artarmon,NSW	Address	446.5	North-west
1980	Lighting	Lighting & Allied Products Pty Ltd	36 Punch St.,Artarmon,NSW	Address	446.5	North-west
1980	Photo Finishing	Fotorama of Australia Pty Ltd	63 Herbert St.,St. Leonards,NSW	Address	446.5	North-west
1980	Water Softeners & Treatment	Actrol Parts	26 Punch St.,Artarmon,NSW	Address	446.5	North-west
1980	Refrigeration Equipment Parts - w'salers	Actrol Parts	26 Punch Street,Artarmon,NSW	Address	446.5	North-west
1980	Refrigeration Equipment Parts - W'salers	Actrol Parts	26 Punch Street,Artarmon,NSW	Address	446.5	North-west
1980	Refrigeration Equipment Parts - W'salers	Actrol Parts	26 Punch Street,Artarmon,NSW	Address	446.5	North-west
1980	Air Conditioning Equipment Parts - Mfrs &/or W'salers	Actrol Parts	26 Punch St.,Artarmon,NSW	Address	446.5	North-west
1980	Electric Globes & Tubes Mfrs. &/or W'salers	Lighting & Allied Products Pty Ltd	36 Punch St.,Artarmon,NSW	Address	446.5	North-west
1980	Electric Light Fittings - Mfrs &/or W'salers	Lighting & Allied Products Pty Ltd	36 Punch St.,Artarmon,NSW	Address	446.5	North-west
1980	Insulation Materials - Thermal - W'salers &/or Mfrs	Actrol Parts	26 Punch St.,Artarmon,NSW	Address	446.5	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Photographic Colour Processing p1266	P M Professional Services Pty Ltd	63 Herbert St.,St. Leonards,NSW	Address	446.5	North-west
1980	Photographic Colour Processing p1266	Sydney School Portraits Pty Ltd	63 Herbert St.,St. Leonards,NSW	Address	446.5	North-west
1980	Refrigeration Equipment - Mfrs &/or W'salers	Actrol Parts	26 Punch St.,Artarmon,NSW	Address	446.5	North-west
1990	Advertising--- General	Medcraf Media	36 Punch Street,Artarmon,NSW	Address	446.5	North-west
1990	Advertising--General	Medcraf Media	36 Punch,Artarmon,NSW	Address	446.5	North-west
1990	Advertising--General	Medcaf Media	36 Punch,Artarmon,NSW	Address	446.5	North-west
1990	Advertising-General	Medcraf Media	36 Punch St.,Artarmon,NSW	Address	446.5	North-west
1990	Advertising General	Medcraf Media	36 Punch Street,Artarmon,NSW	Address	446.5	North-west
1990	Advertising--General	Medcraf Media	36 Punch St.,Artarmon,NSW	Address	446.5	North-west
1990	Advertising-General	Medcraf Media	36 Puch Street,Artarmon,NSW	Address	446.5	North-west
1990	Advertising--General	Medcraf Media	36 Punch,Artarmon,NSW	Address	446.5	North-west
1990	Advertising-General	MedCraf Media	36 Punch,Artarmon,NSW	Address	446.5	North-west
1990	Electronic Equipment Mfrs &/or W'salers	Chase Engineering Pty Ltd	36 Punch,Artarmon,NSW	Address	446.5	North-west
2005	Photographic Processing Services	Digital Max	36 Punch St,ARTARMON,NSW,2064	Address	446.5	North-west
2005	Photographic Processing Services	Digitalmax	36 Punch Strnd,ARTARMON,NSW,2064	Address	446.5	North-west
2005	Soil Testing & Investigation; Geotechnical Engineers & Consultants	GHD-Longmac	57 Herbert St,ARTARMON,NSW,2064	Address	446.5	North-west
2005	Printers--General	Torron Printing Services	26 Punch St,ARTARMON,NSW,2064	Address	446.5	North-west
2005	Furnishings--W'sale	Angads Fashion Pty Ltd	36 Punch St,ARTARMON,NSW,2064	Address	446.5	North-west
2005	Furnishings--W'sale	Angads Fashion Pty Ltd, Artarmon	36 Punch St,ARTARMON,NSW,2064	Address	446.5	North-west
2010	Car Accessories - Retail	Roof Rack World	36 Punch St ARTARMON 2064 NSW	Address	446.5	North-west
2010	Photography Processing Services - Domestic	Digitalmax	36 Punch St ARTARMON 2064 NSW	Address	446.5	North-west
1970	Electrical Switches & Control Equipment	Lembke Associated Electrical Products Pty Ltd (mercury and power relays, mercury switches, protection relays)	24 Punch Street,Artarmon,NSW	Address	447.2	North-west
1970	Electronic Engineers	Lembke Associated Electrical Products Pty Ltd	24 Punch Street,Artarmon,NSW	Address	447.2	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	Relays	Lembke Associated Electrical Products Pty Ltd	24 Punch Street,Artarmon,NSW	Address	447.2	North-west
1980	Pharmaceutical Products - Mfrs &/or W'salers	Sharpe Laboratories Pty Ltd	24 Punch St.,Artarmon,NSW	Address	447.2	North-west
1980	Electric Light Fittings - Mfrs &/or W'salers	Strebor Designs Pty Ltd	24 Punch St.,Artarmon,NSW	Address	447.2	North-west
1980	Research & Development - Industrial	Sharpe Research Pty Ltd	24 Punch St.,Artarmon,NSW	Address	447.2	North-west
1990	Carriers-Light	Goldline Furniture Removals	24 Punch Road,Artarmon,NSW	Address	447.2	North-west
1990	Taxi Truck Services	Goldline Taxi Truck	24 Punch Road,Artarmon,NSW	Address	447.2	North-west
1970	Exporters	Klan Gwan (Aust) Pty Ltd	38 Punch Street,Artarmon,NSW	Address	447.4	North-west
1970	Exporters	Matthews H C & Co Pty Ltd	38 Punch Street,Artarmon,NSW	Address	447.4	North-west
1980	Duplicating Machines &/or Supplies	Copy Craft Pty Ltd	38 Punch St.,Artarmon,NSW	Address	447.4	North-west
1980	Paper Converters	Rice Paper Products	38 Punch St.,Artarmon,NSW	Address	447.4	North-west
1980	Shelving & Storage Systems	Denstor Australasia	38 Punch St.,Artarmon,NSW	Address	447.4	North-west
2010	Video & DVD Production & Duplication Service	Insite Video Productions	38 Punch St ARTARMON 2064 NSW	Address	447.4	North-west
2010	Welding	Balmain Engineering Pty Ltd	38 Punch St ARTARMON 2064 NSW	Address	447.4	North-west
2015	Video & Dvd Production & Duplication Service	Insite Video Productions	38 Punch St Artarmon NSW 2064	Address	447.4	North-west
2015	Engine Reconditioning Equipment &/Or Machinery	Balmain Engineering Pty Ltd	38 Punch St Artarmon NSW 2064	Address	447.4	North-west
1980	Electrical Wire Harness Mfrs. &/or W'Salers	Connect Electronics Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Electronic Engineers	Oltronix Australia	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Electronic Equipment Mfrs &/or W'salers	Sentronics Aust Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Glass Tinting	Acorn Glas-Tint Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Heating, Hot Water & Ventilating Engineers	Add-Sun Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Insulation - Window	Acorn Glas-Tint Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Machinery - Secondhand	Inteco Australia Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	packaging, Filling & Sealing Equipment	Inteco Australia Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Solar Energy Equipment	Add-Sun Pty Ltd	22 Punch St. (Head Office),Artarmon,NSW	Address	447.8	North-west
1980	Solar Energy Equipment	Sentronics Aust Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Sun Screens	Acorn Glas-Tint Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Swimming Pool Equipment & Chemicals	Add-Sun Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Electric Light Fittings - Mfrs &/or W'salers	Luxo-Lamp of Aust Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Electronic Parts Mfrs &/or W'salers	Connect Electronics Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1980	Motor Accessories - Retail	Acorn Glas-Tint Pty Ltd	22 Punch St.,Artarmon,NSW	Address	447.8	North-west
1990	COMPUTER LEASING &/OR BROKERS	VIRTUAL TECHNOLOGY	22 Punch Street, Artarmon New South Wales 2064, Australia	Address	447.8	North-west
2005	Sheds--Rural & Industrial; Buildings--Prefabricated & Transportable--Commercial & Industrial; Building Designers	Protector Building Systems Pty. Ltd.	22 Punch St,ARTARMON,NSW,2064	Address	447.8	North-west
1970	FEED ADDITIVES	CHEMICAL RESOURCES PTY LTD	6 Lambs Road,Artarmon	Address	448.4	North
1970	POULTRY FEED ADDITIVES	CHEMICAL RESOURCES PTY LTD	6 Lambs Road,Artarmon	Address	448.4	North
1970	CHEMICAL IMPORTERS &/OR DISTRIBUTORS	Chemical Resources Pty. Ltd.,	6 Lambs Road,Artarmon	Address	448.4	North
1970	CHEMICALS—TECHNICAL—SUPPLIERS	Chemical Resources Pty. Ltd.,	6 Lambs Road,Artarmon	Address	448.4	North
1970	PAINT—DRY COLOURS/PIGMENT—MFRS/DISTRIBUTORS	Chemical Resources Pty. Ltd.,	6 Lambs Road,Artarmon	Address	448.4	North
1970	POULTRY FOOD MFRS./DIST.	Chemical Resources Pty. Ltd.,	6 Lambs Road,Artarmon	Address	448.4	North
1970	STOCK FOODS MANUFACTURERS &/OR DISTRIBUTORS	Chemical Resources Pty. Ltd.,	6 Lambs Road,Artarmon	Address	448.4	North
1970	STOCK REMEDIES MANUFACTURERS &/OR DISTRIBUTORS	Chemical Resources Pty. Ltd.,	6 Lambs Road,Artarmon	Address	448.4	North
1970	VETERINARY SUPPLIES & INSTRUMENTS—MFRS. &/OR DISTRIBUTORS	Chemical Resources Pty. Ltd.,	6 Lambs Road,Artarmon	Address	448.4	North
1970	Chemical Buyers	Chemical Resources Pty Ltd	6 Lambs Road,Artarmon,NSW	Address	448.4	North
1970	Chemical Mfrs. &/or Druggists-W'sale	Chemical Resources Pty Ltd	6 Lambs Road,Artarmon,NSW	Address	448.4	North
1970	Chemical Suppliers	Chemical Resources Pty Ltd (suppliers of agricultural, industrial, pharmaceutical & veterinary chemicals including poultry & stockfeed additives)	6 Lambs Road,Artarmon,NSW	Address	448.4	North
1970	Exporters	Chemical Resources Pty Ltd	6 Lambs Road,Artarmon,NSW	Address	448.4	North
1970	Insecticides & Fungicides	Chemical Resources Pty Ltd	6 Lambs Road,Artarmon,NSW	Address	448.4	North
1970	Veterinary Supplies &/or Instruments	Chemical Resources Pty Ltd	6 Lambs Road,Artarmon,NSW	Address	448.4	North
1970	AGRICULTURAL CHEMICALS—IMPS. &/OR DISTS.	Chemical Resources Pty. Ltd.,	6 Lambs Road,Artarmon	Address	448.4	North
1980	Chemical Suppliers	Chemical Resources Pty Ltd	6 Lambs Road,Artarmon,NSW	Address	448.4	North
1980	Records - Mfrs &/or W'salers	CBS Records Australia Ltd	15 Waltham St. (Factory),Artarmon,NSW	Address	448.4	North-west
1980	Veterinary Supplies &/or Instruments	Chemical Resources Pty Ltd	6 Lambs Road,Artarmon,NSW	Address	448.4	North
2005	Panel Beaters & Painters	Auto Body King Smash Repairs	13 Waltham St,ARTARMON,NSW,2064	Address	448.4	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Motor Replacement Parts	Auto France Australia Pty Ltd	6 Lambs Rd,ARTARMON,NSW,2064	Address	448.4	North
2010	Towing Service	Artarmon Auto Recovery Services Pty Ltd	13 Waltham St ARTARMON 2064 NSW	Address	448.4	North-west
2010	Car Replacement Parts	Auto France (Aust) Pty Ltd	6 Lambs Rd ARTARMON 2064 NSW	Address	448.4	North
2010	Clothing - Menswear M/factrs & W/salers	Chef Creations	4/5 Waltham St ARTARMON 2064 NSW	Address	448.4	North-west
2010	Panel Beaters & Automotive Painting	Platinuml Smash Repairs	13 Waltham St ARTARMON 2064 NSW	Address	448.4	North-west
2010	Towing Service	Diamond Towing	Rear 13 Waltham St ARTARMON 2064 NSW	Address	448.4	North-west
2015	Panel Beaters & Automotive Painting	Platinum Smash Repairs	13 Waltham St Artarmon NSW 2064	Address	448.4	North-west
2015	Earth Moving &/Or Excavating Equipment & Machinery	Makinex	15 Waltham St Artarmon NSW 2064	Address	448.4	North-west
1965	Electrical Contractors	Mannell R E	71,Lane,NSW	Address	449.9	North-west
2005	Hardware--Retail	Bunnings Pty Ltd, Artarmon	71 Reserve Rd,ARTARMON,NSW,2064	Address	449.9	North-west
2015	Mobile Telephones - Service & Repairs	VoicePlus Pty Ltd	42-44 Chandos St St Leonards NSW 2065	Address	451.8	South-east
1970	ADDING &/OR CALCULATING MACHINE MFRS. &/OR DIST.	Stott, R. & D.,	23 Chandos St.,St. Leonards	Address	452.6	South-east
1970	CHEMISTS—INDUSTRIAL	Hart & Co. Pty. Ltd.,	23 Chandos St.,St. Leonards	Address	452.6	South-east
1970	ENGINEERS—CONSULTING	Tapper&Partners Consulting Engineers,	23 Chandos St.,St. Leonards	Address	452.6	South-east
1970	Chemical Mfrs. &/or Druggists-W'sale	Whitfield ST Pty Ltd	16 Punch Street,Artarmon,NSW	Address	452.6	North
1970	Publishers	M.D. Publications Pty Ltd	23 Chandos Street,St Leonards,NSW	Address	452.6	South-east
1970	Publishers	Moore J D Pty Ltd	23 Chandos Street,St Leonards,NSW	Address	452.6	South-east
1970	Scientific Instruments & Apparatus	Ealing Scientific Co (Australia) Ltd	23 Chandos Street,Crows Nest,NSW	Address	452.6	South-east
1970	Carpets & Linoleums - Mfrs &/or W'salers	Australian Carpet Manufacturers Pty Ltd	23 Chandos Street,St Leonards,NSW	Address	452.6	South-east
1980	Civil Engineers	Reid Robert C & Associates	23 Chandos St.,St. Leonards,NSW	Address	452.6	South-east
1980	Photographers-Scientific	Harvey Lincoln Pty Ltd	23 Chandos St.,St. Leonards,NSW	Address	452.6	South-east
1980	Photographers-Aerial	Harvey Lincoln Pty Ltd	23 Chandos St.,St. Leonards,NSW	Address	452.6	South-east
1980	Photographers-Commercial & Industrial	Artworks Pty Ltd	23 Chandos St.,St. Leonards,NSW	Address	452.6	South-east
1990	Coal & Coke	Scott Joseph & Co Pty Ltd	23 Chandos Street,St Leonards,NSW	Address	452.6	South-east
1990	Printers - General	Snap Instant Printing Pty Ltd	23 Chandos Street,St Leonards,NSW	Address	452.6	South-east
2005	Computer Equipment--Home & Small Business	Superam Business Machines Pty Ltd	23 Chandos St,ST LEONARDS,NSW,2065	Address	452.6	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	FENCE/GATE MFRS.	Wire Gate &Fence Co. (N.S.W.) Pty. Ltd.,	22 Herbert St.,St. Leonards	Address	458.2	North-west
1970	FENCING CONTRACTORS	Wire Gate & Fence Co. (N.S.W.) Pty. Ltd.,	22 Herbert St.,St. Leonards	Address	458.2	North-west
1970	ORNAMENTAL METAL WORKERS	Wire Gate&Fence Co. (N.S.W.) Pty. Ltd.,	22 Herbert St.,St. Leonards	Address	458.2	North-west
1970	PIPE BENDERS &/OR FABRICATORS	Wire Gate & Fence Co. (N.S.W.) Pty. Ltd.,	22 Herbert St.,St. Leonards	Address	458.2	North-west
1970	WIRE CHAIN MFRS.	Wire Gate A Fence Co. (N.S.W.) Pty. Ltd.,	22 Herbert St.,St. Leonards	Address	458.2	North-west
1970	WIRE MESH MFRS.	Wire Gate & Fence Co. (N.S.W.) Pty. Ltd.,	22 Herbert St.,St. Leonards	Address	458.2	North-west
1970	WROUGHT IRON WORKERS	Wire Gate & Fence Co. (N.S.W.) Pty. Ltd,	22 Herbert St.,St. Leonards	Address	458.2	North-west
1980	Medical Supplies	Australian Anaesthetic Equipment Co Pty Ltd	22 Herbert St.,Artarmon,NSW	Address	458.2	North-west
1980	Veterinary Supplies &/or Instruments	Cenvet Pty Ltd	22 Herbert St.,Artarmon,NSW	Address	458.2	North-west
2010	Photographer - Industrial & Commercial	Phil Cooper Photography	22 Herbert St ARTARMON 2064 NSW	Address	458.2	North-west
2015	Photographer - Industrial & Commercial	Phil Cooper Photography	22 Herbert St Artarmon NSW 2064	Address	458.2	North-west
2015	Photography Supplies & Equipment - M/Factrs & W/Salers	Dragon Image	22 Herbert St Artarmon NSW 2064	Address	458.2	North-west
1990	Courier Services	Same Day Couriers	33 Chandos,St. Leonards,NSW	Address	458.7	South-east
1950	Stores - General	Bates R K	75 Christie Street,St. Leonards,NSW	Address	460.4	South-east
1940	Motor Service Stations	Williams J G	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1950	Motor Cars & Trucks-New	Lloyd Peter Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1950	Motor Cars & Trucks-New	Peter Lloyd Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1965	Motor Cars & Trucks—Used	Renault Aust Pty Ltd	203,PacificHghwy,NSW	Address	461.9	South
1970	Motor Oils & Spirits	Amoco Aust Pty Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1970	Oil Merchants &/or Refiners	AMOCO	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1970	Oils - Lubricating	Amoco Aust Pty Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1970	Spinning Mills	McDonell Gavan & Co Pty Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1970	Motor Service Stations	Amoco Aust Pty Ltd (Head Office)	201 Pacific Hwy,North Sydney,NSW	Address	461.9	South
1980	Builders & Contractors	Project Development Corporation Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1980	Civil Engineers	Project Development Corporation Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Civil Engineers	White Industries Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1980	Motor Oils & Spirits	Amoco Aust Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1980	Oil - Fuel & Heating	Amoco Aust Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1980	Oil Merchants &/or Refiners	Amoco Minerals Australia Co	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1980	Road Contractors	White Industries Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1980	Bathroom Equipment &/or Accessories - Mfrs.	Building Section Centre	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1980	Bathroom Equipment &/or Accessories - Mfrs.	R.C.I. Building Products Group	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
1980	Motor Service Stations & Garages	Amoco Australia Ltd	201 Pacific Highway,North Sydney,NSW	Address	461.9	South
2005	Coffee--Retail	Gloria Jean's Coffees, St leonards	Shop 5/P5 The Forum,ST LEONARDS,NSW,2065	Address	461.9	South
2005	Advertising--Outdoor Posters	Adshel	Level 11, 205 Pacific Hwy,ST LEONARDS,NSW,2065	Address	461.9	South
2005	Furniture--Outdoor; Advertising--Outdoor Posters	Adshel Street Furniture Pty Ltd, St leonards	Level 11, 205 Pacific Hwy,ST LEONARDS,NSW,2065	Address	461.9	South
2010	Chemists - Retail Pharmacies	The Forum Pharmacy St Leonards	Shp 3/P3 201- 205 Pacific Hwy ST LEONARDS 2065 NSW	Address	461.9	South
2010	Bakeries	Romeo's Pie Cafe	201- 205 Pacific Hwy ST LEONARDS 2065 NSW	Address	461.9	South
2010	Chemists - Retail Pharmacies	Priceline Pharmacy St Leonards	201-205 Pacific Hwy ST LEONARDS 2065 NSW	Address	461.9	South
2010	Bakeries	Bakers Delight Ltd	Shop 1P3 The Forum 201-205 Pacific Hwy ST LEONARDS 2065 NSW	Address	461.9	South
2010	Furniture - Exterior/Outdoor	Asf - Adshel Street Furniture	Level 11 205 Pacific Hwy ST LEONARDS 2065 NSW	Address	461.9	South
2015	Printers - General	Beeprinting	8/ 203 Pacific Hwy St Leonards NSW 2065	Address	461.9	South
2005	Photographers--Portrait & Wedding	Peta Kelly Photography	49 Waters Rd,CROWS NEST,NSW,2065	Address	464.0	North-east
2010	Studio and portrait photography	Peta Kelly Photography	49 Waters Rd CROWS NEST 2065 NSW	Address	464.0	North-east
2015	Studio & Portrait Photography	Peta Kelly Photography	49 Waters Rd Crows Nest NSW 2065	Address	464.0	North-east
2015	Studio & Portrait Photography	Peta Kelly Photography	49 Waters Rd Crows Nest NSW 1582	Address	464.0	North-east
1970	CHEMICAL MFRS. MACHINERY-MANUFACTURERS	Baker Perkins Pty. Ltd.,	2-4 ATCHISON ST.,CROWS NEST	Address	464.4	South-east
1970	CONFECTIONERY MFRS/ MACHINERY —MFRS. &/OR REPAIRERS	BAKER PERKINS PTY LTD	2-4 ATCHISON ST.,CROWS NEST	Address	464.4	South-east
1970	BISCUIT MFRS. MACHINERY	Baker, Perkins Pty. Ltd.,	2-4 Atchison St.,Crows Nest	Address	464.4	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	GAS WORKS EQUIPMENT MFRS. &/OR SUPPLIERS	Gurnett & Wallis Pty. Ltd.,	8 Atchison St.,St. Leonards	Address	464.4	South-east
1970	Curtains-Mfrs. &/or Wholesalers	F.M. Manufacturing Pty Ltd	8 Atchison Street,St Leonards,NSW	Address	464.4	South-east
1970	Merchants-General	Gurnett & Wallis Pty Ltd	8 Atchison Street,St Leonards,NSW	Address	464.4	South-east
1980	Motor Mechanics	Van Heumen Motors Pty Ltd	8 Atchison St.,St. Leonards,NSW	Address	464.4	South-east
1980	Motor Engineers & Repairers	Van Heumen Motors Pty Ltd	Rear 8 Atchison St.,St. Leonards,NSW	Address	464.4	South-east
1970	Cool Room Builders	Frigrite Production Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1970	Ice Making Equipment &/or Machines	Frigrite Production Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1970	Refrigeration-Commercial & Industrial-Retail &/or Service	Frigrite Production Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1970	Fire Protection Appliances & Engineers	Frigrite Fire Protection Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1970	Air Conditioning-Commercial & Industrial	Air Conditioning Federation Of NSW Pty Ltd - Frigite Industries Pty Ltd	2 Lamb Road,Artarmon,NSW	Address	465.3	North
1970	Air Conditioning-Commercial & Industrial	Frigrite Industries Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1970	Air Conditioning-Commercial & Industrial	Frigrite Production Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1970	Refrigeration Cabinet Mfrs.	Frigrite Production Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1970	Refrigeration Equipment-Mfrs. &/or Wholesalers	Frigrite Production Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1980	Audio Visual Equipment & Productions	A V L Multi Image Control (Scottcom Pty Ltd)	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1980	Audio Visual Equipment & Productions	Advanced Audio Visual Systems	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1980	Audio Visual Equipment & Productions	Audiscan Projection System (Scottcom Pty Ltd)	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1980	Audio Visual Equipment & Productions	Scottcom Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1980	Film Productions &/or Laboratories	Scottcom Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1980	Slides &/or Film Strips	Scottcom Pty Ltd	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1980	Air Conditioning - Commercial & Industrial	Barcol Air Conditioning Equipment	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1980	Air Conditioning - Engineers	Barcol Air Conditioning Equipment	2 Lambs Road,Artarmon,NSW	Address	465.3	North
1950	Stores - General	Hudson J E	7 Mitchell Street,St. Leonards,NSW	Address	466.7	South-east
1970	MIXED BUSINESSES	Wearne, C. R.&E. P.,	7 Mitchell St.,Naremburn	Address	466.7	South-east
1965	Flexible Tubing	HAWKER RICHARDSON & CO PTY LTD	35-37,ChandosSt,NSW	Address	470.7	South-east
1965	Steel Merchants	HAWKER RICHARDSON & CO PTY LTD	35-37,ChandosSt,NSW	Address	470.7	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	METAL MANUFACTURERS	Hawker, Richardson & Co. Pty. Ltd.,	35 Chandoe St.,St. Leonards	Address	470.7	South-east
1970	STEEL IMPORTERS	Hawker, Richardson & Co. Pty. Ltd..	35 Chandos St.,St. Leonards	Address	470.7	South-east
1970	STEEL MERCHANTS—GENERAL	Hawker Richardson & Co. Pty. Ltd.,	35 Chandos St.,St. Leonards	Address	470.7	South-east
1970	METAL MERCHANTS	Hawker, Richardson & Co. Pty. Ltd.,	35 Chandoe St.,St. Leonards	Address	470.7	South-east
1970	STEEL MERCHANTS—ALLOY/TOOL STEEL	Hawker, Richardson A Co. Pty. Ltd.,	35 Chandos St.,St. Leonards	Address	470.7	South-east
1980	packaging, Filling & Sealing Equipment	Gregorson & Co Pty Ltd	35 Chandos St.,St. Leonards,NSW	Address	470.7	South-east
1980	Panel Beaters &/or Painters	J N P Body Works	35 Chandos St.,St. Leonards,NSW	Address	470.7	South-east
1980	PACKAGING, FILLIG & SEALING EQUIPMENT	GREGORSON & CO PTY LTD	35 Chandos Street, St Leonards New South Wales 2065, Australia	Address	470.7	South-east
2010	Computer Equipment - Installation Services	Faredge Technology Pty Ltd	35 Chandos St ST LEONARDS 2065 NSW	Address	470.7	South-east
2015	Computer Equipment - Installation Services	Faredge Technology Pty Ltd	35 Chandos St St Leonards NSW 2065	Address	470.7	South-east
1990	Printers - General	Platypus Offset Printing	657 Pacific Highway,St Leonards,NSW	Address	471.0	South
2005	Printers--General	Erban Printing	657 Pacific Hwy,ST LEONARDS,NSW,2065	Address	471.0	South
2010	Shoes - Orthopaedic & Custom Made	Markell Shoe Centre	Shop 1 / 657 Pacific Hwy ST LEONARDS 2065 NSW	Address	471.0	South
2015	Shoes - Orthopaedic & Custom Made	Barefoot Freedom	657 Pacific Hwy St Leonards NSW 2065	Address	471.0	South
2015	Shoes - Orthopaedic & Custom Made	Markell Shoe Centre	Shop 1 657 Pacific Hwy St Leonards NSW 2065	Address	471.0	South
2010	Motor Vehicle - Leasing & Fleet Management	Toyota Fleet Management	207 Pacific Hwy ST LEONARDS 2065 NSW	Address	471.6	South
2010	Essences Flavours Enhancers & Ingredients	Ingredientbox Pty Ltd	Building B Garden Floor 207 Pacific Hwy St Leonards Nsw 2065 ST LEONARDS 2065 NSW	Address	471.6	South
2015	Essences Flavours Enhancers & Ingredients	Ingredientbox Pty Ltd	Building B Garden Floor 207 Pacific Hwy St Leonards NSW 2065 St Leonards NSW 2065	Address	471.6	South
2015	Asbestos Removal & Disposal	Product & Services Testing USIMS	207 Pacific Hwy St Leonards NSW 2065	Address	471.6	South
2015	Motor Vehicle - Leasing & Fleet Management	Toyota Fleet Management	207 Pacific Hwy St Leonards NSW 2065	Address	471.6	South
1965	Packaging	Baker Perkins Pty Ltd	4,Atchison,NSW	Address	471.9	South-east
1965	Packing & Sealing Equip	BAKER PERKINS PTY LTD	4,AtchisonSt,NSW	Address	471.9	South-east
1970	CARDBOARD BOX-MAKING MACHINERY MFRS.	Baker, Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	CONFECTIONERY MFRS/ MACHINERY —MFRS. &/OR REPAIRERS	Baker Perkins Pty. Ltd.,	2 Atchison St.,Crows Nest	Address	471.9	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	CONVEYORS & CONVEYING EQUIP. MANUFACTURERS	Baker Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	DRY CLEANING MACHINERY & SUPPLIES—MFRS. &/OR DISTS.	Baker Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	ENGINEERS—BAKERY	Baker, Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	ENGINEERS—CHEMICAL	Baker Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	ENGINEERS—DAIRY	Baker Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	ENGINEERS—LAUNDRY & DRY CLEANING	Baker Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	FOOD PROCESSING MACH. MFRS./ DEALERS	Baker, Perkins Pty. Ltd.,	2 Atchison St.,Crows Nest	Address	471.9	South-east
1970	FOOD WRAPPING & PACKING MACHINERY—IMPORTERS &/OR DISTRIBUTORS	Baker, Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	LAUNDRY MACHINERY & EQUIPMENT MFRS. &/OR DISTS.	Baker Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	MACHINERY MFRS.	Baker, Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	MACHINERY MERCH./IMPORTERS	Baker, Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	MATERIAL-HANDLING EQUIP. MANUFACTURERS	Baker, Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	PACKING MACHINERY MFRS./ DISTRIBUTORS	Baker Perkins Pty. Ltd.,	2 Atchison St.,Crows Nest	Address	471.9	South-east
1970	PAINT-MAKING MACHINERY MFRS./ DISTRIBUTORS	Baker, Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	PLASTIC MFRS./MOULDERS' MACH. MFRS./DISTRIBUTORS	Baker, Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	PNEUMATIC CONVEYOR MFRS./ INSTALLERS	Baker Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	PRINTERS' MACHINERY MFRS./ DISTRIBUTORS	Baker, Perkins Pty. Ltd.,	2 Atchison St.,Crows Nest	Address	471.9	South-east
1970	SOAP-MAKING PLANT MFRS.	Baker-Perklns Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
1970	Bakers' & Pastrycooks' Supplies	Baker Perkins Pty Ltd	4 Atchison Street,Crows Nest,NSW	Address	471.9	South-east
1970	Laundry Supplies	Baker Perkins Pty Ltd	4 Atchison Street,Crows Nest,NSW	Address	471.9	South-east
1970	Machinery-Bakery	Baker Perkins Pty Ltd	4 Atchison Street,Crows Nest,NSW	Address	471.9	South-east
1970	Machinery-Laundry	Baker Perkins Pty Ltd	4 Atchison Street,Crows Nest,NSW	Address	471.9	South-east
1970	Ovens-Bakers'	Baker Perkins Pty Ltd	4 Atchison Street,Crows Nest,NSW	Address	471.9	South-east
1970	Packaging & Sealing Equipment	Baker Perkins Pty Ltd	4 Atchison Street,Crows Nest,NSW	Address	471.9	South-east
1970	BAKERS' & PASTRYCOOKS' MACHINERY MFRS., IMP. &/OR DISTS.	Baker Perkins Pty. Ltd.,	4 Atchison St.,Crows Nest	Address	471.9	South-east
2005	Plumbers' Supplies	Plumbers' Supplies Co-Op Ltd, Artarmon	80 Reserve Rd,ARTARMON,NSW,2064	Address	472.0	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Stationery--W'sale & Mfrg	Rankworth Enterprises Pty Ltd	Unit 2, 80 Reserve Rd,ARTARMON,NSW,2064	Address	472.0	West
2005	Roof Repairers & Cleaners	Roofing Professionals The	4/ 80 Reserve Rd,ARTARMON,NSW,2064	Address	472.0	West
2005	Building Contractors--Alterations & Repairs; Building Contractors--Maintenance & Repairs	Roofing Specialists The	4/ 80 Reserve Rd,ARTARMON,NSW,2064	Address	472.0	West
2005	Roof Construction	The Roofing Professionals	4/ 80 Reserve Rd,ARTARMON,NSW,2064	Address	472.0	West
2005	Roofing Materials	The Roofing Shop	4/ 80 Reserve Rd,ARTARMON,NSW,2064	Address	472.0	West
2005	Landscape Supplies; Irrigation & Reticulation Systems	Pacific Mist Watering Systems (NSW) Pty Ltd	Unit 5, 80 Reserve Rd,ARTARMON,NSW,2064	Address	472.0	West
2010	Car Accessories - M/factrs & W/salers	Actrol Parts	Unit 6 80 Reserve Rd ARTARMON 2064 NSW	Address	472.0	West
2010	Stationery - M/factrs & W/sale	Rankworth Enterprises Pty Ltd	Unit 2 80 Reserve Rd ARTARMON 2064 NSW	Address	472.0	West
2010	Storage - General Facilities & Service	Millers Self Storage	5 Lanceley Pl ARTARMON 2064 NSW	Address	472.0	West
2010	Television - Repairs & Service	Grace Electronics	Unit 5/ 80 Reserve Rd ARTARMON 2064 NSW	Address	472.0	West
2010	Television - Repairs & Service	Chatswood Hi-Fi Service Centre	Unit 5/ 80 Reserve Rd ARTARMON 2064 NSW	Address	472.0	West
2010	Storage - General Facilities & Service	Storage King Artarmon 1	5 Lanceley Pl ARTARMON 2064 NSW	Address	472.0	West
2010	Office & Business Supplies	Twin Loop Binding	Unit 3 3 Lanceley Pl ARTARMON 2064 NSW	Address	472.0	West
2015	Electrical W/Salers	Go Electrical Pty Ltd	6/ 80 Reserve Rd Artarmon NSW 2064	Address	472.0	West
2015	Seals - Mechanical & Oil	Fluid Seals & Packings	3 / 80 Reserve Rd Artarmon NSW 2064	Address	472.0	West
2015	Stationery - M/Factrs & W/Sale	Rankworth Enterprises Pty Ltd	Unit 2 80 Reserve Rd Artarmon NSW 2064	Address	472.0	West
2015	Roofing Materials & Supplies	The Roofing Shop	4/ 80 Reserve Rd Artarmon NSW 2064	Address	472.0	West
2015	Water Irrigation & Reticulation Services	Pacific Mist Watering Systems	5/ 80 Reserve Rd Artarmon NSW 2064	Address	472.0	West
2015	Television - Repairs & Service	Chatswood Hi-Fi Service Centre	Unit 5/ 80 Reserve Rd Artarmon NSW 2064	Address	472.0	West
2005	Television Stations	NTL	Level 3, 655 Pacific Highway, St Leonards,BELCONNEN,ACT,2617	Address	474.6	South
2005	Television Stations	NTL, St leonards	Level 2 655 Pacific Hwy,ST LEONARDS,NSW,2065	Address	474.6	South
1950	Floor Sanding & Polishing	York P C	26 Park Road,Naremburn,NSW	Address	476.9	North-east
1970	HIGH FIDELITY SALES & SERVICE	KEIRO ELECTRONICS	6 Atchison St.,St. Leonards	Address	477.7	South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Slate & Slate Products	Slate Discounts	6 Atchison St.,St. Leonards,NSW	Address	477.7	South-east
1980	Tiles - Wall & Floor	Slate Discounts	6 Atchison St.,St. Leonards,NSW	Address	477.7	South-east
2015	Solar Energy Equipment & Machinery	AFT Corporation Ltd	Lvl1/Ste104 6-12 Atchison St St Leonards NSW 2065	Address	477.7	South-east
1965	Engineers—Consulting	Baron Reg C	48,Chandos,NSW	Address	478.4	South-east
1965	Engineers—Consulting	NORMAN & ADDICOAT	48,ChandosSt,NSW	Address	478.4	South-east
1965	Engineers—Consulting	Robertson J D&Asscts	48,Chandos,NSW	Address	478.4	South-east
1965	Engineers—Consulting	TAYLOR-THOMSON-WHITTING	48,Chandos,NSW	Address	478.4	South-east
1970	ENGINEERS—CONSULTING	Ledingham, Hensby&Associates,	48 Chandos St.,St. Leonards	Address	478.4	South-east
1970	ENGINEERS—CONSULTING	Norman&Addicoat,	48 Chandos St.,St. Leonards	Address	478.4	South-east
1970	ENGINEERS—CONSULTING	Taylor, Thomson&Whitting,	48 Chandos St.,St. Leonards	Address	478.4	South-east
1970	ENGINEERS—HYDRAULIC	Ledingham, Hensby&Associates,	48 Chandos St.,St. Leonards	Address	478.4	South-east
1970	Civil Engineers	Taylor Thomson Whitting Pty Ltd	48 Chandos Street,St Leonards,NSW	Address	478.4	South-east
1970	Research & Development-Industrial	ECS Research Pty Ltd	48 Chandos Street,St Leonards,NSW	Address	478.4	South-east
1980	Engineers - Consulting	A C E A (Taylor Thomson Whitting)	48 Chandos,St. Leonards,NSW	Address	478.4	South-east
1980	Engineers - Consulting	A C S E (Taylor Thomson Whitting)	48 Chandos,St. Leonards,NSW	Address	478.4	South-east
1980	Civil Engineers	Bass Civil Engineering Pty Ltd	48 Chandos St.,St. Leonards,NSW	Address	478.4	South-east
1980	Civil Engineers	Taylor Thomson Whitting	48 Chandos St.,St. Leonards,NSW	Address	478.4	South-east
1980	Data Processing Equipment	Anpac Data Systems Pty Ltd	48 Chandos St.,St. Leonards,NSW	Address	478.4	South-east
1980	Vibration Control	Addicoat Hogarth Wilson Pty Ltd	48 Chandos St.,St. Leonards,NSW	Address	478.4	South-east
1990	Engineers - Consulting	Addicoat Hogarth Wilson Pty Ltd	48 Chandos Street,St Leonards,NSW	Address	478.4	South-east
1990	Engineers - Consulting	Taylor Thompson Whitting	48 Chandos Street,St Leonards,NSW	Address	478.4	South-east
1990	Engineers - Consulting	Addicoat Hogarth Wilson Pty. Ltd.	48 Chanders,St. Leonards,NSW	Address	478.4	South-east
2005	Structural Engineers	Taylor Thomson Whitting, St leonards	48 Chandos St,ST LEONARDS,NSW,2065	Address	478.4	South-east
2005	Lifts-Supply & Installation	Campbell Jim & Associates	48 Chandos St,ST LEONARDS,NSW,2065	Address	478.4	South-east
2010	Lifts & Elevators	Campbell Jim & Associates	Level 1 48 Chandos St ST LEONARDS 2065 NSW	Address	478.4	South-east
2010	Lifts & Elevators	Jca Lift Consultants	48 Chandos St ST LEONARDS 2065 NSW	Address	478.4	South-east
2015	Lifts & Elevators	JCA LIFT CONSULTANTS	48 Chandos St St Leonards NSW 2065	Address	478.4	South-east
1970	MOTOR CYCLE IMPORTERS &/OR DISTRIBUTORS	Lambretta (A'Asia) Pty. Ltd.,	22 Waltham St.,Artarmon	Address	481.4	North-west
1970	MOTOR SCOOTER IMPORTERS/ DISTRIBUTORS	Lambretta (A/asia) Pty. Ltd.,	22 Waltham St.,Artarmon	Address	481.4	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	Cables-Mechanical	Teleflex Morse Pty Ltd	22 Waltham Street,Artarmon,NSW	Address	481.4	North-west
1970	Boats (All Types) - Builders &/or Repairers	Teleflex Morse Pty Ltd	22 Waltham Street,Artarmon,NSW	Address	481.4	North-west
1980	Boat Equipment	Teleflex Morse Pty Ltd	22 Waltham St.,Artarmon,NSW	Address	481.4	North-west
1980	Cables - Mechanical	Teleflex Morse Pty Ltd	22 Waltham St.,Artarmon,NSW	Address	481.4	North-west
1980	Control Systems - Manual	Teleflex Morse Pty Ltd	22 Waltham St.,Artarmon,NSW	Address	481.4	North-west
1980	Power Transmission Equipment	Boston Gear Incom International Inc	22 Waltham St.,Artarmon,NSW	Address	481.4	North-west
1990	Motor Engineers & Repairers	Traction 4 Pty Ltd (Complete 4WD Centre Service & Repairs Accessories Fitted)	22 Waltham Street,Artarmon,NSW	Address	481.4	North-west
1990	Powder Coating Equipment &/or Services	North Shore Powder Coating	Rear 22 Waltham Street,Artarmon,NSW	Address	481.4	North-west
2005	Plumbers & Gasfitters	Chris Wilson, Naremburn	10/ 34 -38 Station St,NAREMBURN,NSW,2065	Address	482.0	North
1950	Engineers - General	Cornish B H	39a Chandos Street,St. Leonards,NSW	Address	483.9	South-east
1990	Advertising Promotional Products	Promotional Sampling Pty. Ltd.	39 Chandos,St. Leonards,NSW	Address	483.9	South-east
1990	Advertising Promotional Products	Promotional Sampling Pty Ltd	39 Chandos Street,St Leonards,NSW	Address	483.9	South-east
1990	Advertising Promotional Products	Promotional Sampling Pty. Ltd.	39 Chandos,St. Leonards,NSW	Address	483.9	South-east
1990	Advertising Promotional Products	Promotional Sampling Pty. Ltd.	39 Chandos,St Leonards,NSW	Address	483.9	South-east
2005	Wardrobes--Built-In	Betta Wardrobes, St leonards	39-41 Chandos St,ST LEONARDS,NSW,2065	Address	483.9	South-east
2005	Photographers--General; Libraries--Photograph & Film	Allsport	Level 1, 39 Chandos St,ST LEONARDS,NSW,2065	Address	483.9	South-east
2010	Shower Screens Supply & Installation	Betta Wardrobes & Shower Screens	39- 41 Chandos St ST LEONARDS 2065 NSW	Address	483.9	South-east
2010	Shipping & Maritime Agents & Companies	K Line (Australia) Pty Ltd	Level 5 39-41 Chandos St ST LEONARDS 2065 NSW	Address	483.9	South-east
2015	Transport & Transportation Service	K Line Logistics (Australia) Pty Ltd	39 Chandos St St Leonards NSW 2065	Address	483.9	South-east
2015	Shower Screens Supply & Installation	Betta	39- 41 Chandos St St Leonards NSW 2065	Address	483.9	South-east
2015	Shower Screens Supply & Installation	Betta Wardrobes & Shower Screens	39- 41 Chandos St St Leonards NSW 2065	Address	483.9	South-east
2005	Painters & Decorators	Wall F.X.	15 Bongalong St,NAREMBURN,NSW,2065	Address	485.4	East
1990	PAINTS--MFRS &/OR W'SALERS	Vessey Chemicals, Pty Ltd	9 Lanceley Place, Artarmon New South Wales 2064, Australia	Address	486.1	West
2005	Wine Racks & Storage	Spare Room Self Storage	7-11 Lanceley Pl,ARTARMON,NSW,2064	Address	486.1	West
2005	Wine Racks & Storage; Furniture Removals & Storage	Spare Room Self Storage, Artarmon	7-11 Lanceley Pl,ARTARMON,NSW,2064	Address	486.1	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Storage--General	Spare Room Self Storage, Artarmon	7-11 Lanceley Pl,ARTARMON,NSW,2064	Address	486.1	West
2005	Air Conditioning--Commercial & Industrial	Air - Tite Installations Pty Ltd	5/3 Lanceley Pl,ARTARMON,NSW,2064	Address	486.1	West
2005	Wine Racks & Storage	Winevault	7- 11 Lanceley Pl,ARTARMON,NSW,2064	Address	486.1	West
1940	Engineers - Hot Water Healing & Ventilating	Hall C E	92 Northcote Street,Naremburn,NSW	Address	486.7	East
2005	Plastics--Products--W'salers & Mfrs	American Plastics Co	39 Park Rd,NAREMBURN,NSW,2065	Address	491.0	North-east
2010	Plastic Products M/factrs & W/salers	American Plastics Co	39 Park Rd NAREMBURN 2065 NSW	Address	491.0	North-east
2015	Plastic Products M/Factrs & W/Salers	American Plastics Co	39 Park Rd Naremburn NSW 2065	Address	491.0	North-east
1980	Clothing - Lingerie & Sleepwear Mfrs &/or W'salers	S.H.S. Industries Pty Ltd	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Clothing - Uniforms - Mfrs &/or W'salers	S.H.S. Industries Pty Ltd	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Compressed Air Control Equipment	Fluid Power Co	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Compressed Air Control Equipment	IMI Fluid Power Pty Ltd	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Hydraulic Engineers	Fluid Power Co	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Motor Cycles &/or Accessories	Swedencycle Products Pty Ltd	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Pneumatic Equipment & Supplies	Fluid Power Co	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Shelving & Storage Systems	Laranda Bookshelves	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Valves - Mfrs &/or W'salers	Fluid Power Co	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Clothing - Raincoats (all types) - Mfrs. &/or W'salers	Sew Hoy & Sons Ltd	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Photographic Supplies Mfrs &/or W'salers	Pako Pty Ltd	82 Reserve Road,Artarmon,NSW	Address	492.9	West
1980	Stereophonic Equipment - Mfrs &/or W'salers	Klarion Enterprises Pty Ltd	3 Lanceley Place,Artarmon,NSW	Address	492.9	West
1990	PUMPS--MFRS &/OR MERCHANTS	AIRDRAULIC-BIRCO	3 Lanceley Place, Artarmon New South Wales 2064, Australia	Address	492.9	West
1990	Printers - General	Rite-A-Type Pty Ltd	3 Lanceley Place,Artarmon,NSW	Address	492.9	West
2005	Printers--Continuous Stationery & Equipment	Colonnade Holdings	Unit 11, 82 Reserve Rd,ARTARMON,NSW,2064	Address	492.9	West
2005	Electronic Engineers	Dominion Electronics Pty Ltd	U 13/ 82 Reserve Rd,ARTARMON,NSW,2064	Address	492.9	West
2005	Printers--Lithographic	Hyland Offset Pty Ltd	Unit 11, 82 Reserve Rd,ARTARMON,NSW,2064	Address	492.9	West
2005	Packaging, Filling & Assembling Services	Printing Enterprises	Unit 4, 3 Langeley Pl,ARTARMON,NSW,2064	Address	492.9	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Printers--General; Packaging, Filling & Assembling Services	Printing Enterprises, Artarmon	Unit 4, 3 Lanceley Pl,ARTARMON,NSW,2064	Address	492.9	West
2005	Instruments--Scientific; Laboratory Equipment & Supplies	TechTrader Pty Ltd	Unit 1, 3 Lanceley Pl,ARTARMON,NSW,2064	Address	492.9	West
2005	Bookbinders; Bookbinding Equipment & Supplies	Twin Loop Binding Pty Ltd	Unit 3, 3 Lanceley Pl,ARTARMON,NSW,2064	Address	492.9	West
2005	Picture Framing & Frames	Amarisco Framing Services	Unit 17, 82 Reserve Rd,ARTARMON,NSW,2064	Address	492.9	West
2005	Mounting & Finishing	Amarisco Mounting Services	Unit 17, 82 Reserve Rd,ARTARMON,NSW,2064	Address	492.9	West
2005	Photographic Processing Services--Professional	Amarisco Photographic Services	Unit 17, 82 Reserve Rd,ARTARMON,NSW,2064	Address	492.9	West
2005	Printers--Continuous Stationery & Equipment; Printers--General	J & H Hyland Printing	Unit 11, 82 Reserve Rd,ARTARMON,NSW,2064	Address	492.9	West
2005	Printers--Continuous Stationery & Equipment	J & H Hyland Quality Printing	Unit 11, 82 Reserve Rd,ARTARMON,NSW,2064	Address	492.9	West
2010	Chauffeur Driven Cars/Limousine Services	Five Star Hollywood Limousines Pty Ltd	Unit 10/ 82 Reserve Rd ARTARMON 2064 NSW	Address	492.9	West
2010	Video & DVD Production & Duplication Service	Big Picture (Aust) Pty Ltd	Unit 16 82 Reserve Rd ARTARMON 2064 NSW	Address	492.9	West
2010	Instruments & Accessories - Scientific & Clinical	Tech Trader	3 Lanceley Pl ARTARMON 2064 NSW	Address	492.9	West
2010	Mounting & Finishing Services	Amarisco Mounting & Distribution Serv	Unit 17 82 Reserve Rd ARTARMON 2064 NSW	Address	492.9	West
2010	Telephone Systems - Equipment & Machinery	A1 Systems Pty Ltd	U6/ 3 Lanceley Pl ARTARMON 2064 NSW	Address	492.9	West
2010	Printing - Inks	Plunkett & Johnson Pty Ltd	Unit 14 82 Reserve Rd ARTARMON 2064 NSW	Address	492.9	West
2010	Printers - General	Hyland Printing	Unit 11 82 Reserve Rd ARTARMON 2064 NSW	Address	492.9	West
2015	Chauffeur Driven Cars/Limousine Services	Five Star Hollywood Limousines Pty Ltd	Unit 10/ 82 Reserve Rd Artarmon NSW 2064	Address	492.9	West
2015	Telephone Systems - Equipment & Machinery	A1 Systems Pty Ltd	U6/ 3 Lanceley Pl Artarmon NSW 2064	Address	492.9	West
2015	Car & Truck Body Trimmers	Doyles Artarmon	8/ 82 Reserve Rd Artarmon NSW 2064	Address	492.9	West
2015	Video & Dvd Production & Duplication Service	Big Picture Aust Pty Ltd	82 Reserve Rd Artarmon NSW 2064	Address	492.9	West
2015	Mounting & Finishing Services	Amarisco Mounting & Distribution Services	Unit 17 82 Reserve Rd Artarmon NSW 2064	Address	492.9	West
2015	Continuous Stationery Printers & Equipment	Hyland Printing	Unit 11 82 Reserve Rd Artarmon NSW 2064	Address	492.9	West

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2015	Printing - Machinery New & Reconditioned	Plunkett & Johnson Pty Ltd	Unit 14 82 Reserve Rd Artarmon NSW 2064	Address	492.9	West
2015	Digital Printers	Matrix Digital Pty Ltd	U12/ 82 Reserve Rd Artarmon NSW 2064	Address	492.9	West
2015	Diesel Fuel Injection	The Fuel System Centre	12/ 82 Reserve Rd Artarmon NSW 2064	Address	492.9	West
2015	Laboratory Equipment Instruments & Supplies	TechTrader Pty Ltd	Unit 1 3 Lanceley Pl Artarmon NSW 2064	Address	492.9	West
1950	Engineers - General	Cordner A F	94a Northcote Street,Naremburn,NSW	Address	493.3	East
1965	Upholsterers	Bauer A	10,Atchison,NSW	Address	493.3	South-east
1970	Film Producers &/or Laboratories	Nelson Robert Productions Pty Ltd	10 Atchison Street,St Leonards,NSW	Address	493.3	South-east
1970	Mechanical Engineers	Dravo Pty Ltd	16 Atchison Street,St Leonards,NSW	Address	493.3	South-east
1980	Clothing - Bridal Supplies - Mfrs &/or W'salers	Trends L V & Co	10 Atchison St.,St. Leonards,NSW	Address	493.3	South-east
1980	Film Productions &/or Laboratories	Nelson Robert Productions Pty Ltd	10 Atchison St.,St. Leonards,NSW	Address	493.3	South-east
1980	Film Productions &/or Laboratories	Video Transfer Services Pty Ltd	16 Atchison St.,St. Leonards,NSW	Address	493.3	South-east
2005	Advertising Agencies	Harris Robinson & Associates Pty Ltd	16 Atchison St,ST LEONARDS,NSW,2065	Address	493.3	South-east
1965	Motor Replacement Parts	Newnham W M Pty Ltd	54,Chandos,NSW	Address	494.8	South-east
1970	MOTOR SPARE PARTS MFRS. &/OR WHOLESALERS	Newham, W. M. Pty. Ltd.,	54 Chandos St.,St. Leonards	Address	494.8	South-east
1970	BALL & ROLLER BEARINGS—MFRS. IMPS. &/OR DISTS.	Newnham, W. M. Pty. Ltd.,	54 Chandos St.,St. Leonards	Address	494.8	South-east
1970	Bearing Mfrs. &/or W'salers	Newnham W M Pty Limited	54 Chandos Street,St Leonards,NSW	Address	494.8	South-east
1980	Bearings & Bushings	Newnham W M Pty Ltd	54 Chandos St.,St. Leonards,NSW	Address	494.8	South-east
2005	Display & Exhibition Equipment & Supplies; Photographic Processing Services--Professional; Mounting & Finishing	Vision Graphics, St leonards	54 Chandos St,ST LEONARDS,NSW,2065	Address	494.8	South-east
2015	Surveyor - Marine & Cargo	Commodity Inspection Services	Level 2 52 Chandos St St Leonards NSW 2065	Address	494.8	South-east
1950	Engineers - Manufacturing	Propert C E Pty Ltd	24 Herbert Street,Sydney,NSW	Address	498.1	North-west
1970	AIR COMPRESSOR & EQUIPMENT FOR HIRE	Ingersoll-Rand (Aust.) Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	MACHINERY MFRS.	Ingersoll-Rand (Aust.) Pty. Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	MACHINERY MERCH./IMPORTERS	Ingersoil-Rand (Aust.) Pty. Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	MINING MACHINERY & EQUIPMENT IMPORTERS, DISTRIBUTORS &/OR MANUFACTURERS	Ingersoll-Rand (Aust.) Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	PNEUMATIC TOOL MFRS.	Ingersoll-Rand (Aust.) Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	PUMP MANUFACTURERS &/OR DISTRIBUTORS	Ingersoll-Rand (Aust.) Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1970	QUARRYING MACHINERY & EQUIPMENT MFRS. &/OR DISTRIBUTORS (SEE ALSO ROCK DRILLS&BREAKERS, Etc.—MINING MACHINERY, Etc.)	Ingersoll-Rand (Aust.) Pty. Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	ROAD-MAKING MACH. MFRS.	Ingersoll-Rand (Aust.) Pty. Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	ROCK DRILLS & BREAKERS MFRS. &/OR DISTS.	Ingersoll-Rand (Aust.) Ltd.	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	TOOL MANUFACTURERS	Ingersoll-Rand (Aust.) Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	BALL & PEBBLE MILLS	Head Wrightson (Aust.) Pty. Ltd.,	24 Herbert St.,St. Leonards	Address	498.1	North-west
1970	ENGINEERS—CONSULTING	Head Wrlghtson (Aust.) Pty. Ltd.,	24 Herbert St.,St. Leonards	Address	498.1	North-west
1970	FURNACE MANUFACTURERS	Head Wrlghtson (Aust.) Pty. Ltd.,	24 Herbert St.,St. Leonards	Address	498.1	North-west
1970	HEAT EXCHANGER MANUFACTURERS &/OR DISTRIBUTORS	Head Wrightson (Aust.) Pty. Ltd.,	24 Herbert St.,St. Leonards	Address	498.1	North-west
1970	MINING MACHINERY & EQUIPMENT IMPORTERS, DISTRIBUTORS &/OR MANUFACTURERS	Head, Wrlghtson (Aust.) Pty. Ltd.,	24 Herbert St.,St. Leonards	Address	498.1	North-west
1970	WATER COOLING EQUIPMENT MFRS. &/OR DISTS.	Head, Wrightson (Aust.) Pty. Ltd.,	24 Herbert St.,St. Leonards	Address	498.1	North-west
1970	WATER TREATMENT EQUIPMENT	Head, Wrightson (Aust.) Pty. Ltd.,	24 Herbert St.,St. Leonards	Address	498.1	North-west
1970	ROAD MAKING MACHINERY IMPORTS. &/OR DISTS.	Ingersoll-Rand (Aust.) Pty. Ltd.,	24 Herbert St.. Artarmon,NSW	Address	498.1	North-west
1970	Air Compressors &/or Equipment	Ingersoll-Rand (Aust) Ltd	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
1970	Machine Tools-Engineers'	Ingersoll-Rand (Aust) Pty Ltd	24 Herbert Street,St Leonards,NSW	Address	498.1	North-west
1970	Machinery-Mining & Quarrying	Head Wrightson (Aust) Pty Ltd	24 Herbert Street,St Leonards,NSW	Address	498.1	North-west
1970	Machinery-Mining & Quarrying	Ingersoll-Rand (Aust) Ltd	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
1970	Mining Engineers	Head Wrightson (Aust) Pty Ltd	24 Herbert Street,St Leonards,NSW	Address	498.1	North-west
1970	Plastics-Machinery & Equipment	Ingersoll-Rand (Australia) Ltd	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
1970	Pump Mfrs. &/or Wholesalers	Ingersoll-Rand (Australia) Ltd	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
1970	AIR COMPRESSOR MFRS. &/OR DISTS.	Ingersol-Rand (Aust.) Ltd.,	24 Herbert St.,Artarmon	Address	498.1	North-west
1970	HEAT TREATMENT EQUIPMENT MANUFACTURERS	Head Wrightson (Aust.) Pty. Ltd.,	24 Herbert St.,St. Leonards	Address	498.1	North-west
1980	Pumps - Mfrs &/or Merchants	Ingersoll-Rand (Aust) Ltd	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
1980	Pumps - Mfrs &/or Merchants	Ingersoll-Rand (Aust) Ltd	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
1980	Pumps - Mfrs &/or Merchants	Ingersoll-Rand (Aust) Ltd	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
1980	Pumps - Mfrs &/or Merchants	Ingersoll-Rand (Aust) Ltd	24 Herbert Streeet,Artarmon,NSW	Address	498.1	North-west
1980	Machine Tools - Engineers	Ingersoll-Rand (Aust) Pty Ltd	24 Herbert St.,St. Leonards,NSW	Address	498.1	North-west
1990	Scaffolding	Instant Scaffolds	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
1990	Scaffolding	Instant Scaffolds	24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
1990	Scaffolding	Instant Scaffold	24 Herberts,Artarmon, NSW	Address	498.1	North-west
1990	Abrasive Blasting	Artarmon Sand Blasting & Coatings Pty Ltd	Rear 24 Herbert Street,Artarmon,NSW	Address	498.1	North-west
2005	Motor Cars--New	Nissan Crows Nest Servicing	24 Herbert St,ARTARMON,NSW,2064	Address	498.1	North-west
2005	Motor Cars--New; Motor Replacement Parts	Northshore Mitsubishi Parts & Service	24 Herbert St,ARTARMON,NSW,2064	Address	498.1	North-west
2010	Cars - New	Mccarroll's Alfa & Fiat	24 Herbert St ARTARMON 2064 NSW	Address	498.1	North-west
2010	Cars - New	Nissan Crows Nest Servicing	24 Herbert St ARTARMON 2064 NSW	Address	498.1	North-west
2010	Engineers - Motor & Repairers	Northshore Mitsubishi Parts & Service	24 Herbert St ARTARMON 2064 NSW	Address	498.1	North-west
2010	Panel Beaters & Automotive Painting	Panelcorp Autobody Repair Group	24 Herbert Street ARTARMON 2064 NSW	Address	498.1	North-west
2015	Cars - New	Northshore Mitsubishi	8- 24 Herbert St Artarmon NSW 2064	Address	498.1	North-west
2015	Cars - New	Nissan Crows Nest Servicing	24 Herbert St Artarmon NSW 2064	Address	498.1	North-west
2015	Engineers - Motor & Repairers	Northshore Mitsubishi Parts & Service	24 Herbert St Artarmon NSW 2064	Address	498.1	North-west
2015	Panel Beaters & Automotive Painting	Gemini Accident Repair Centres	24 Herbert St Artarmon NSW 2064	Address	498.1	North-west
2015	Chemists - Retail Pharmacies	Dunn's Pharmacy	U2/ 205 Pacific Hwy St Leonards NSW 2065	Address	498.4	South
2015	Chemists - Retail Pharmacies	Priceline Pharmacy St Leonards	201-205 Pacific Hwy St Leonards NSW 2065	Address	498.4	South
2015	Chemists - Retail Pharmacies	The Forum Pharmacy St Leonards	Shp 3/P3 201- 205 Pacific Hwy St Leonards NSW 2065	Address	498.4	South
2015	Engraving Services	EngravingKing	Shop 5p/1 201- 205 Pacific Hwy St Leonards NSW 2065	Address	498.4	South
2015	Bakeries	Bakers Delight Ltd	Shop 1P3 The Forum 201-205 Pacific Hwy St Leonards NSW 2065	Address	498.4	South
1970	JOINERY MANUFACTURERS	Artarmon Timber&Joinery Co. Pty. Ltd.,	75 Reserve Road,Artarmon	Address	499.9	North-west
1980	Builders & Contractors	Bulbrook H E & Son Pty Ltd	75 Reserve Road,Artarmon,NSW	Address	499.9	North-west
1980	Hire - Builders', contractors' & handyman's equipment	Active Hire Centres	77 Reserve Road,Artarmon,NSW	Address	499.9	North-west
1980	Hire - Factory & Workshop Equipment	Active Hire Centres	77 Reserve Road,Artarmon,NSW	Address	499.9	North-west
1980	Truck Rental	Active Hire Centres	77 Reserve Road,Artarmon,NSW	Address	499.9	North-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Building Contractors	HE Bulbrook & Son Pty Limited	75 Reserve Rd,ARTARMON,NSW,2064	Address	499.9	North-west
2005	Motor Engineers & Repairers	Artarmon Mechanical Repairs	77-81 Reserve Rd,ARTARMON,NSW,2064	Address	499.9	North-west
2005	Electrical W'salers; Data Communications	John R. Turk, Artarmon	77 Reserve Rd,ARTARMON,NSW,2064	Address	499.9	North-west
2010	Rubbish & Waste Removal	1800-Got-Junk	35 Cleg St ARTARMON 2064 NSW	Address	499.9	North-west
2015	Rubbish & Waste Removal	1800-GOT-JUNK	35 Cleg St Artarmon NSW 2064	Address	499.9	North-west
1940	Builders & Contractors	Leslie J B N	Shore Hospital Job,St Leonards,NSW	Place		South-west
1940	Dairy Machines & Supplies	Bryant J H HerbertSt	-,St Leonards,NSW	Suburb		South
1940	Plumbers & Gasfitters	Grundy G ReserveRd	-,St Leonards,NSW	Suburb		South
1950	Butchers - W'sale	Riverstone Meat Co Pty Ltd	St. Leonards,NSW	Street		South
1950	Boxes & Cases - Wood	Howell G H	Reserve Road,St. Leonards,NSW	Street		South-west
1950	Motor Replacement Parts	Godfrey's Motor Sales & Service Pty Ltd	Pacific Highway (at Railway Station),St. Leonards,NSW	Place		South
1965	Surgical Supplies	COSMAC SURGICAL SUPPLIES PTY LTD	NShoreMedclCntr,NSW	Street		South-west
1965	Tiles—Flooring & Wall	CORAMIC AUST PTY LTD	Gardeners&KentRds,NSW	Street		North-west
1970	ELECTRIC FURNACE MFRS. &/OR DISTRIBUTORS	Noyes Bros. Pty. Ltd.,	Frederick St.,St. Leonards	Street		West
1970	CHEMICAL—HEAVY—SUPPLIERS	Bisley & Co. Pty. Ltd.,	A.M.P. Bldg.Leonards,NSW	Street		Onsite
1970	BATTERY—DRY CELL—MFRS.	Hghwy.,	St. Leonards,NSW	Street		South
1970	WELDERS—ELECTRIC &/OR OXY	Standard Weighbridges Pty. Ltd.,	St. Leonards,NSW	Street		South
1970	ELECTRIC MOTORS MFRS.	Noyes Bros. Pty. Ltd.,	Frederick St.,St. Leonards	Street		West
1970	HEAT TREATMENT EQUIPMENT MANUFACTURERS	Noyes Bros. Pty. Ltd.,	Frederick St.,St. Leonards	Street		West
1980	Fuses-Electric	Brush	St. Leonards,Sydney,NSW	Street		South
1980	Butchers - W'sale	Lachlan Valley Meat Co	Railway Siding,St. Leonards,NSW	Street		South
1990	Plastics-Products-Mfrs &/or W'salers	Reflex Pty. Ltd.	St. Leonards,NSW	Street		South
2005	Display & Exhibition Equipment & Supplies; Printers--General	Creative Visuals Pty Ltd	Suite 302, The Forum,ST LEONARDS,NSW,2065	Street		South
2005	Gastroenterology; Medical Practitioners	Bell Cameron J	Nthrn Spclst Centre,Nth Shore Private Hospital,Westbourne St,ST LEONARDS,NSW,2065	Street		South-west
2005	Nuclear Medicine; Medical Practitioners	North Shore Radiology & Nuclear Medicine	North Shore Private Hospital Westbourne St,ST LEONARDS,NSW,2065	Street		South-west

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2005	Medical Research; Charities & Charitable Organisations	North Shore Heart Research Foundation	Vindin House, Royal North Shore Hospital,ST LEONARDS,NSW,2065	Street		South-west
2005	Hospitals--Private	North Shore Private Hospital	Westbourne St,ST LEONARDS,NSW,2065	Street		South-west
2005	Medical Research	Kolling Institute Of Medical Research	Royal North Shore Hospital,ST LEONARDS,NSW,2065	Place		South-west
2005	Computer Equipment--Secondhand	CTC Technology Pty Ltd	ST LEONARDS,NSW,2065	Suburb		South
2005	Headsets	GN Netcom	ST LEONARDS,NSW,2065	Suburb		South
2005	Telephone Systems & Equipment	Retek Communications	ST LEONARDS,NSW,2065	Suburb		South
2005	Promotional Products	Ryan's Express, St leonards	ST LEONARDS,NSW,2065	Suburb		South
2005	Plumbers & Gasfitters	Scott & Sons	ST LEONARDS,NSW,2065	Suburb		South
2005	Photographers--Portrait & Wedding	Serena Contemporary Weddings And Portrait Photography	ST LEONARDS,NSW,2065	Suburb		South
2005	Photographers--Commercial & Industrial	Serena Corporate Photography	ST LEONARDS,NSW,2065	Suburb		South
2005	Photographers--General	Serena Ovens	ST LEONARDS,NSW,2065	Suburb		South
2005	Photographers--General	Serena Photography	ST LEONARDS,NSW,2065	Suburb		South
2005	Building Contractors	Shafa & Associates - Builder	ST LEONARDS,NSW,2065	Suburb		South
2005	Auto Electrical Services	St Leonards Auto Electrical Service	ST LEONARDS,NSW,2065	Suburb		South
2005	Air Conditioning--Commercial & Industrial	Abest Air Conditioning	ST LEONARDS,NSW,2065	Suburb		South
2005	Carpet & Furniture Cleaning & Protection	Acro Dynamic Cleaning Services, St leonards	ST LEONARDS,NSW,2065	Suburb		South
2005	Air Conditioning--Commercial & Industrial	Airpower Climate Hire, St leonards	ST LEONARDS,NSW,2065	Suburb		South
2005	Photographers--Commercial & Industrial	Alex Watson Pty Ltd	ST LEONARDS,NSW,2065	Suburb		South
2005	Make-Up Artists & Supplies	Alicia Blanchard Make-Up Artist	ST LEONARDS,NSW,2065	Suburb		South
2005	Photographic Equipment & Supplies--Retail & Repairs	all-cameras-bought@retek.info	ST LEONARDS,NSW,2065	Suburb		South
2005	Computer Equipment--Secondhand	all-notebooks-bought@retek.info	ST LEONARDS,NSW,2065	Suburb		South
2005	Telephone Systems & Equipment	all-phones-bought@retek.info	ST LEONARDS,NSW,2065	Suburb		South
2005	Coffee Brewing Equipment & Supplies	Baristas Coffee Pty Ltd	ST LEONARDS,NSW,2065	Suburb		South
2005	Posters--Advertising	Brilliant Images	ST LEONARDS,NSW,2065	Suburb		South
2005	Tree Felling & Stump Removal	Landscape & Garden	ST LEONARDS,NSW,2065	Suburb		South
2005	Courier Services	Norris Murphy Couriers Pty Ltd	ST LEONARDS,NSW,2065	Suburb		South
2005	Electrical Contractors	Ward M E Pty Ltd	ST LEONARDS,NSW,2065	Suburb		South
2010	Pharmaceuticals - M/factrs & W/salers	Aspen Pharmacare Australia Pty Ltd	Suite 3 34-36 Chandos St ST LEONARDS 2065 NSW	Street		South-east
2010	Labels - Adhesive	Stratix (Australia) Pty Ltd	Suite 102 1 Chandos St ST LEONARDS 2065 NSW	Street		South-east

YEAR	Activity	Name	Address	Positional accuracy	Distance (m)	Direction
2010	Hospitals - Private	Ramsay Health Care Limited	Westbourne St ST LEONARDS 2065 NSW	Street		South-west
2010	Hospitals - Private	North Shore Private Hospital	Westbourne St ST LEONARDS 2065 NSW	Street		South-west
2010	Cars - New	Hunter Holden	Cnr Herbert & Frederick Sts ST LEONARDS 2065 NSW	Street		South-west
2010	Printers - General	Creative Visuals Pty Ltd	Suite 302 The Forum 205 Pacific Hwy ST LEONARDS 2065 NSW	Street		South
2015	Hospitals - Public	Newborn Intensive Care Unit .	Pacific Hwy St Leonards NSW 2065	Street		South-west
2015	Hospitals - Public	Cummins Outpatients	Pacific Hwy St Leonards NSW 2065	Street		South-west
2015	Furniture Storage & Removals	Urban Moves	Pacific Hwy St Leonards NSW 2065	Street		South-west
2015	Printers - General	i-mage Production	Suite 603/ 28 Clarke St Crows Nest NSW 2065	Street		South-west
2015	Hospitals - Private	North Shore Private Hospital	Westbourne St St Leonards NSW 2065	Street		South-west

Appendix D

Field Work Methodology

1. Guidelines

The following key guidelines were consulted for the field work methodology:

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013).
- HEPA *PFAS National Environmental Management Plan (NEMP)* (HEPA, 2020).
- NSW EPA *Assessment and Management of Hazardous Ground Gases* (NSW EPA, 2020).

2. Soil sampling

Soil sampling is carried out in accordance with Douglas' standard operating procedures. The general sampling and sample management procedures comprise:

- Collect soil samples directly at the nominated sample depth from the solid flight auger;
- Place samples in laboratory-prepared glass jars with Teflon lined lids by hand, capping immediately and minimising headspace within the sample jar;
- Place samples in laboratory-prepared container (specific for PFAS) by hand, capping immediately and minimising headspace within the sample jar;
- Collect replicate samples in zip-lock bags for photoionisation detector (PID) screening;
- Collect ~500 mL samples for fibrous asbestos and asbestos fines (FA and AF) analysis;
- Collect ~40 g to 50 g samples in zip-lock bags for asbestos (presence / absence) analysis (where insufficient sample available for 500 mL asbestos analysis);
- Wear a new disposable nitrile glove for each sample point thereby minimising potential for cross-contamination;
- Collect 10% replicate samples for quality control (QC) purposes;
- Label sample containers with individual and unique identification details, including project number, sample location and sample depth (where applicable);
- Place samples into a cooled, insulated and sealed container for transport to the laboratory; and
- Use chain of custody documentation.

Reference was made to HEPA (2020) for requirements specific to PFAS.

2.1 Field testing

Field testing is carried out in accordance with Douglas' standard operating procedures. The general sampling and sample management procedures comprise:

PID field test

- Calibrate the PID with isobutylene gas at 100 ppm and with fresh air prior to commencement of each successive day's field work;

- Allow the headspace in the PID zip-lock bag samples to equilibrate; and
- Screen using the PID.

3. Monitoring wells

3.1 Monitoring well installation

Monitoring wells are constructed using class 18 uPVC machine slotted screen and blank sections with screw threaded joints. The screened section of each well is backfilled with a washed sand filter pack to approximately 0.5 m above the screened interval. Each well is completed with a hydrated bentonite plug of at least 0.5 m thick and then bentonite / cement grout or compacted drill cuttings to the surface, finished with a cast iron road-box.

Shallow gas monitoring wells were similarly installed to target the strata above the bedrock and where practicable, above the inferred groundwater level.

3.2 Monitoring well development

Groundwater monitoring wells are developed as soon as practicable following well installation. The purpose of well development is to remove sediments and/or drilling fluid introduced to the well during drilling and to facilitate connection of the monitoring well to the aquifer. The wells are developed by pumping / bailing to remove a minimum of five well volumes, or until dry.

4. Groundwater sampling

Groundwater sampling is carried out in accordance with Douglas' standard operating procedures. Groundwater samples are collected using a low flow peristaltic pump via the micro-purge (minimal drawdown) method. The sampling method is described as follows:

- Measure the static water level using an electronic interface probe and record the thickness of LNAPL (if encountered);
- Decontaminate the interface probe and cable between monitoring wells by rinsing in a diluted Liquinox solution and then rinsing in demineralised water;
- Lower the well-dedicated tubing into the well then clamped at a level estimated to be 1 m below the top of the water column (provided the depth of the pump is within the screened section) or to the approximate mid-point of the well screen;
- Set the pump at the lowest rate possible to minimise drawdown of the water column;
- Measure physical parameters by continuously passing the purged water through a flow cell; and
- Following stabilisation of the field parameters, collect samples in laboratory-prepared bottles minimising headspace within the sample bottle and cap immediately.

The general groundwater sample handling and management procedures comprise:

- Collect 10% replicate samples for QC purposes;

- Label sample containers with individual and unique identification details, including project number and sample location;
- Place the sample jars into a cooled, insulated and sealed container for transport to the laboratory; and
- Use chain of custody documentation.

5. Landfill gas screening

Landfill gas monitoring is carried out in accordance with Douglas' standard operating procedures and NSW EPA (2020). The monitoring method is described as follows:

- Record the barometric pressure;
- Connect the tube on the calibrated landfill gas analyser to the quick connect gas fitting on the well cap;
- Connect the landfill gas analyser and record the gas flow rate [flow rate is recorded before the concentration because the pump which is activated during the recording of concentration can affect the subsurface pressure equilibrium]; and
- Return to the well following at least one hour and re-connect the landfill gas analyser. Set the analyser pump on and record concentrations of methane, carbon dioxide, oxygen, carbon monoxide and hydrogen sulphide, generally at 30 second intervals, for a minimum of five minutes and until concentrations have generally stabilised.

6. References

HEPA. (2020). *PFAS National Environmental Management Plan (NEMP).* Version 2.0: Heads of EPAs Australia and New Zealand and Australian Government Department of the Environment.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM].* Australian Government Publishing Services Canberra: National Environment Protection Council.

NSW EPA. (2020). *Assessment and Management of Hazardous Ground Gases.* NSW Environment Protection Authority.

Appendix E

Site Assessment Criteria

1. Introduction

1.1 Guidelines

The following key guidelines were consulted for deriving the site assessment criteria (SAC):

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013).
- CRC CARE *Health screening levels for petroleum hydrocarbons in soil and groundwater* (CRC CARE, 2011).
- HEPA *PFAS National Environmental Management Plan (NEMP)* (HEPA, 2025).
- ANZG *Australian and New Zealand Guidelines for Fresh and Marine Water Quality* (ANZG, 2018).

1.2 General

The SAC applied in the current investigation are informed by the CSM which identified human and environmental receptors to potential contamination at the site. Analytical results are assessed (as a Tier 1 assessment) against the SAC comprising primarily the investigation and screening levels of Schedule B1 of NEPC (2013).

The following inputs are relevant to the selection and/or derivation of the SAC:

- Land use: residential and commercial. Per NEPC (2013) this corresponds to two separate generic land-use scenarios:
  - Land use category 'B', residential with minimal opportunities for soil – applicable to high density residential land-use; and
  - Land use category 'D', commercial / industrial – applicable to ground floor commercial usages and basement / carpark areas.
- Soil type: sand. Based on variable mixtures in fill (coarse soils) and mixtures of fine and coarse natural soils.

Land use category B is protective of a less sensitive D category, and therefore has been applied as an initial generic / conservative screen. Further consideration may be given to category D screening levels if appropriate.

2. Soils

2.1 Health investigation and screening levels

The generic health investigation levels (HIL) and health screening levels (HSL) are considered to be appropriate for the assessment of human health risk via all relevant pathways of exposure associated with contamination at the site. The adopted soil HIL and HSL for the contaminants of concern are in Table 1 and Table 2.

Table 1: Health investigation levels (mg/kg)

Contaminant	HIL-B	HIL-D
Metals		
Arsenic	500	3000
Cadmium	150	900
Chromium (VI)	500	3600
Copper	30 000	240 000
Lead	1200	1500
Mercury (inorganic)	120	730
Nickel	1200	6000
Zinc	60 000	400 000
PAH		
B(a)P TEQ	4	40
Total PAH	400	4000
Phenols		
Phenol	45 000	240 000
Pentachlorophenol	130	660
OCP		
DDT+DDE+DDD	600	3600
Aldrin and dieldrin	10	45
Chlordane	90	530
Endosulfan	400	2000
Endrin	20	100
Heptachlor	10	50
HCB	15	80
Methoxychlor	500	2500
OPP		
Chlorpyrifos	340	2000
PCB		
PCB	1	7

Table 2: Health screening levels (mg/kg)

Contaminant	HSL-A&B	HSL - D
SAND	**0 m to <1 m**	
Benzene	0.5	3
Toluene	160	NL
Ethylbenzene	55	NL
Xylenes	40	230
Naphthalene	3	NL
TRH F1	45	260
TRH F2	110	NL

Notes: TRH F1 is TRH C_6-C_{10} minus BTEX
TRH F2 is TRH >C_{10}-C_{16} minus naphthalene
The soil saturation concentration (Csat) is defined as the soil concentration at which the porewater phase cannot dissolve any more of an individual chemical. The soil vapour that is in equilibrium with the porewater will be at its maximum. If the derived soil HSL exceeds Csat, a soil vapour source concentration for a petroleum mixture could not exceed a level that would results in the maximum allowable vapour risk for the given scenario. For these scenarios, no HSL is presented for these chemicals and the HSL is shown as 'not limiting' or 'NL'

The HSL for direct contact derived from CRC CARE (2011) are in Table 3.

Table 3: Health screening levels for direct contact (mg/kg)

Contaminant	DC HSL-B	DC HSL-D
Benzene	140	430
Toluene	21 000	99 000
Ethylbenzene	5900	27 000
Xylenes	17 000	81 000
Naphthalene	2200	11 000
TRH F1	5600	26 000
TRH F2	4200	20 000
TRH F3	5800	27 000
TRH F4	8100	38 000

Notes: TRH F1 is TRH C_6-C_{10} minus BTEX
TRH F2 is TRH >C_{10}-C_{16} minus naphthalene

2.2 Health investigation levels for per- and poly-fluoroalkyl substances in soil

The laboratory analytical results for per- and poly-fluoroalkyl substances (PFAS) in soil have been assessed against HIL published in HEPA (2025). The HIL represent a nationally-agreed suite that should be used to inform site investigations. The HIL are intentionally conservative, and an exceedance of these criteria may not constitute a risk if other exposure pathways are controlled. An exceedance of the HIL should trigger further investigations, such as a site-specific risk assessment. At the time of this investigation, screening values were available only for

perfluorooctane sulfonate (PFOS), perfluorooctanoic acid (PFOA) and perfluorohexane sulfonate (PFHxS).

The HIL derived from Table 5 of HEPA (2025) are in Table 4.

Table 4: Health investigation levels (mg/kg)

Contaminant	HIL-B	HIL-D
PFOS and PFHxS *	2	20
PFOA	20	50

Notes: * Includes PFOS only, PFHxS only and the sum of the two.

2.3 Asbestos in soil

The HSL for asbestos in soil are based on likely exposure levels for different scenarios published in NEPC (2013) for the following forms of asbestos:

- Bonded asbestos containing material (ACM); and
- Fibrous asbestos and asbestos fines (FA and AF).

The HSL are in Table 5.

Table 5: Health screening levels for asbestos

Form of asbestos	HSL-B	HSL-D
ACM	0.04%	0.05%
FA and AF	0.001%	
FA and AF and ACM	No visible asbestos for surface soil *	

Notes: Surface soils defined as top 10 cm.
* Based on site observations at the sampling points and the analytical results of surface samples.

Where insufficient sample recovery is possible for FA and AF analysis the presence or absence of asbestos at a limit of reporting of 0.1 g/kg (AS:4964) will be adopted for the assessment as an initial screen.

2.4 Ecological investigation levels

Ecological investigation levels (EIL) and added contaminant limits (ACL), where appropriate, have been derived in NEPC (2013) for arsenic, copper, chromium (III), nickel, lead, zinc, DDT and naphthalene. The adopted EIL, derived using the interactive (excel) calculation spreadsheet on the NEPM toolbox website are shown in Table 7, with inputs into their derivation shown in Table 6.

Table 6: Inputs to the derivation of the ecological investigation levels

Variable	Input	Rationale
Age of contaminants	“Aged” (>2 years)	Site history
pH	4.5	Average CSIRO Soil and Landscape Grid of Australia mapping
CEC	10 $cmol_c/kg$	

Variable	Input	Rationale
Clay content	10 %	Based on field observations for mixtures of fine and coarse soils
Traffic volumes	High	Site locality
State / Territory	NSW	

Table 7: Ecological investigation levels (mg/kg)

Contaminant	EIL-A-B-C	EIL-D
Metals		
Arsenic	100	160
Copper	85	110
Nickel	170	290
Chromium III	410	680
Lead	1100	1800
Zinc	250	320
PAH		
Naphthalene	170	370
OCP		
DDT	180	640

Notes: EIL-A-B-C urban residential and public open space

2.5 Ecological screening levels

Ecological screening levels (ESL) are used to assess the risk of selected petroleum hydrocarbon compounds, BTEX and benzo(a)pyrene to terrestrial ecosystems. The adopted ESL are shown in Table 8.

Table 8: Ecological screening levels (mg/kg)

Contaminant	Soil type	ESL-A-B-C	ESL-D
Benzene	Coarse	50	75
Toluene	Coarse	85	135
Ethylbenzene	Coarse	70	165
Xylenes	Coarse	105	180
TRH F1	Coarse/ Fine	180*	215*
TRH F2	Coarse/ Fine	120*	170*
TRH F3	Coarse	300	1700
TRH F4	Coarse	2800	3300

Contaminant	Soil type	ESL-A-B-C	ESL-D
B(a)P	Coarse	0.7	1.4

Notes: ESL are of low reliability except where indicated by * which indicates that the ESL is of moderate reliability
TRH F1 is TRH C_6-C_{10} minus BTEX
TRH F2 is TRH >C_{10}-C_{16} including naphthalene
ESL-A-B-C urban residential and public open space

2.6 Ecological soil guideline values

The interim ecological soil guideline values (EGV) derived from Table 6 of HEPA (2025) are in Table 9. Indirect exposure is not considered based on the current and future built nature of the site with limited landscaped areas, and the surrounding built environment which would not provide significant exposure routes for indirect ecological receptors, ie, with only limited direct exposure.

Table 9: Ecological soil guideline values (mg/kg) – all land uses

Contaminant	Direct exposure
PFOS	1
PFOA	10
PFHxS	NC

Notes: NC no criterion

2.7 Management limits

In addition to appropriate consideration and application of the HSL and ESL, there are additional considerations which reflect the nature and properties of petroleum hydrocarbons, including:

- Formation of observable light non-aqueous phase liquids (LNAPL);
- Fire and explosion hazards; and
- Effects on buried infrastructure e.g. penetration of, or damage to, in-ground services.

The adopted management limits are in Table 10.

Table 10: Management limits (mg/kg)

Contaminant	Soil type	ML-A-B-C	ML-D
TRH F1	Coarse	700	700
TRH F2	Coarse	1000	1000
TRH F3	Coarse	2500	3500
TRH F4	Coarse	10 000	10 000

Notes: TRH F1 is TRH C_6-C_{10} including BTEX
TRH F2 is TRH >C_{10}-C_{16} including naphthalene
ML-A-B-C residential, parkland and public open space

3. Groundwater

3.1 Introduction

The groundwater investigation levels (GIL) used for interpretation of the groundwater data (as a Tier 1 assessment) have been selected based on the potential risks posed from contamination sourced from the site to receptors at or down-gradient of the site, as identified by the conceptual site model (CSM). The receptors, exposure points and pathways are summarised in Table 11.

Table 11: Summary of potential receptors and potential risks

Receptor	Location	Exposure point	Exposure pathway
Surface water aquatic ecosystem	Down-gradient from site.	Receiving surface water body at the groundwater discharge point.	Exposure to contaminants.
Occupants of buildings	On site and down-gradient from site.	Enclosed buildings (existing or proposed).	Inhalation of VOC (including TRH and BTEX) overlying VOC impacted groundwater via the vapour intrusion pathway.

The rationale for the selection of GIL is in Table 12.

Table 12: Groundwater investigation level rationale

Receptor / beneficial use	GIL	Source	Comments / rationale
Aquatic ecosystem	DGV	ANZG (2018)	Freshwater (Flat Rock Creek, ~600 m north) 99% LOP for bioaccumulative contaminants 95% LOP for non-bioaccumulative contaminants
Aquatic ecosystem	DGV	HEPA (2025)	Freshwater 99% LOP as recommended for potential bioaccumulation Screening values were only available for PFOS and PFOA at the time of this investigation.
Building occupants (vapour intrusion)	HSL	NEPC (2013)	2 m to <4 m (as a conservative initial screen)

Notes: DGV default guideline value
% LOP percentage level of protection of species
HSL health screening level

3.2 Groundwater investigation levels for aquatic ecosystems

The DGV for the protection of aquatic ecosystems derived from ANZG (2018) are in Table 13.

Table 13: Groundwater investigation levels for protection of aquatic ecosystems (µg/L)

Contaminant	Freshwater DGV 95% LOP	Notes
Metals / metalloids		
Arsenic	24 / 13	Levels provided for As III / As IV respectively. Moderate reliability.
Cadmium	0.2	Very high reliability.
Chromium (VI)	1	Chromium VI levels adopted as initial screen for total chromium. Very high reliability.
Copper	1.4	Very high reliability.
Lead	3.4	Moderate reliability.
Mercury (inorganic)	0.06	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.
Nickel	11	Low reliability.
Zinc	8	Very high reliability.
BTEX		
Benzene	950	Moderate reliability.
Ethylbenzene	80	Unknown reliability.
m-Xylene	75	Unknown reliability.
o-xylene	350	Low reliability.
p-Xylene	200	Low reliability.
Toluene	180	Unknown reliability.
PAH		
Anthracene	0.01	99% LOP adopted as recommended due to potential for bioaccumulation. Unknown reliability.
Benzo(a)pyrene	0.1	99% LOP adopted as recommended due to potential for bioaccumulation. Unknown reliability.
Fluoranthene	1	99% LOP adopted as recommended due to potential for bioaccumulation. Unknown reliability.
Naphthalene	16	Low reliability.
Phenanthrene	0.6	99% LOP adopted as recommended due to potential for bioaccumulation. Unknown reliability.
Phenols		
Phenol	320	Moderate reliability.
Pentachlorophenol	3.6	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.

Contaminant	Freshwater DGV 95% LOP	Notes
2,4,6-Trichlorophenol	3	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.
OCP		
Aldrin	0.001	Unknown reliability and LOP.
Chlordane	0.03	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.
DDT	0.006	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.
Dieldrin	0.01	Unknown reliability and LOP.
Endosulfan	0.03	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.
Endrin	0.01	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.
Heptachlor	0.01	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.
Methoxychlor	0.005	Unknown reliability and LOP.
OPP		
Chlorpyrifos	0.01	Moderate reliability.
Diazinon	0.01	Moderate reliability.
Dimethoate	0.15	Low reliability.
Fenitrothion	0.2	Moderate reliability.
Malathion	0.05	Moderate reliability.
Parathion	0.004	Moderate reliability.
PCB		
Aroclor 1242	0.3	99% LOP adopted as recommended due to potential for bioaccumulation. Low reliability.
Aroclor 1254	0.01	99% LOP adopted as recommended due to potential for bioaccumulation. Moderate reliability.
Inorganics		
Ammonia	900	Very high reliability.

Notes: 95% LOP for non-bioaccumulative contaminants
99% LOP for bioaccumulative contaminants

The DGV for the protection of aquatic ecosystems derived from HEPA (2025) are in Table 14.

Table 14: Groundwater investigation levels for protection of aquatic ecosystems (µg/L)

Contaminant / LOP	Freshwater DGV
PFOS 99% LOP	0.00023
PFOA 99% LOP	19

3.3 Health screening levels for vapour intrusion

The HSL to evaluate potential vapour intrusion risks derived from NEPC (2013) are in Table 15. There are no generic HSL for groundwater within 2 m of the ground (or basement) level.

Table 15: Groundwater health screening levels for vapour intrusion (µg/L)

Contaminant	HSL-A&B	HSL-A&B	HSL-A&B	Solubility limit
SAND	**2 m to <4 m**	**4 m to <8 m**	**8 m+**	**-**
Benzene	800	800	900	59 000
Toluene	NL	NL	NL	61 000
Ethylbenzene	NL	NL	NL	3900
Xylenes	NL	NL	NL	21 000
Naphthalene	NL	NL	NL	170
TRH F1	1000	1000	1000	9000
TRH F2	1000	1000	1000	3000

Notes: TRH F1 is TRH C_6-C_{10} minus BTEX
TRH F2 is TRH >C_{10}-C_{16} minus naphthalene
The solubility limit is defined as the groundwater concentration at which the water cannot dissolve any more of an individual chemical based on a petroleum mixture. The soil vapour that is in equilibrium with the groundwater will be at its maximum. If the derived groundwater HSL exceeds the water solubility limit, a soil vapour source concentration for a petroleum mixture could not exceed a level that would result in the maximum allowable vapour risk for the given scenario. For these scenarios, no HSL is presented for these chemicals and the HSL is shown as 'not limiting' or 'NL'.

4. References

ANZG. (2018). *Australian and New Zealand Guidelines for Fresh and Marine Water Quality*. Canberra, ACT: Australian and New Zealand Governments and Australian state and territory governments.

CRC CARE. (2011). *Health screening levels for petroleum hydrocarbons in soil and groundwater*. Parts 1 to 3, Technical Report No. 10: Cooperative Research Centre for Contamination Assessment and Remediation of the Environment.

HEPA. (2025). *PFAS National Environmental Management Plan (NEMP)*. Version 3.0: Heads of EPAs Australia and New Zealand.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

Appendix F

Field Work Results

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332775.2, N:6256575.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH01
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 1 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	SAMPLE TYPE	SAMPLE INTERVAL	DEPTH (m)	TESTING AND REMARKS: TEST TYPE	TESTING AND REMARKS: RESULTS AND REMARKS	BACKFILL	WELL PIPE
		0.15	FILL / CONCRETE; 150mm thick; reinforced.		FILL	NA	NA		ES		0.20				
		0.26	FILL / Sandy GRAVEL: dark grey; medium to coarse, blue metal; fine to coarse sand; with brick fragments (70mm); trace 10mm rounded concrete fragments (roadbase).		FILL	PC	NDF		* ES		0.40 0.50				
	76	1	CLAY (CI): pale grey mottled red-brown; medium plasticity.		RS	(VSt)	w<PL		D/ES		0.90 1.00			Backfill	
			From 1.10m: Pale grey with bands of medium sand; possibly extremely weathered sandstone			VSt			SPT		1.45	SPT PP	8,16,13 N=29 450kPa	Bentonite	
	75	1.75	Continued as rock log												
	74	3													
	73	4													
	72	5													
	71	6													
▼ 21/11/25	70	7												Sand	
	69	8													
	68	9													
	67														

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Comacchio Geo 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.15m, then AD to 1.6m, then WB to 1.75m, then NMLC to 20m
CASING: HWT to 2m
REMARKS: Replicate sample *BD01101125 taken from 0.4-0.5m

Generated with CORE-GS by Geroc - Split Soil-Rock Log

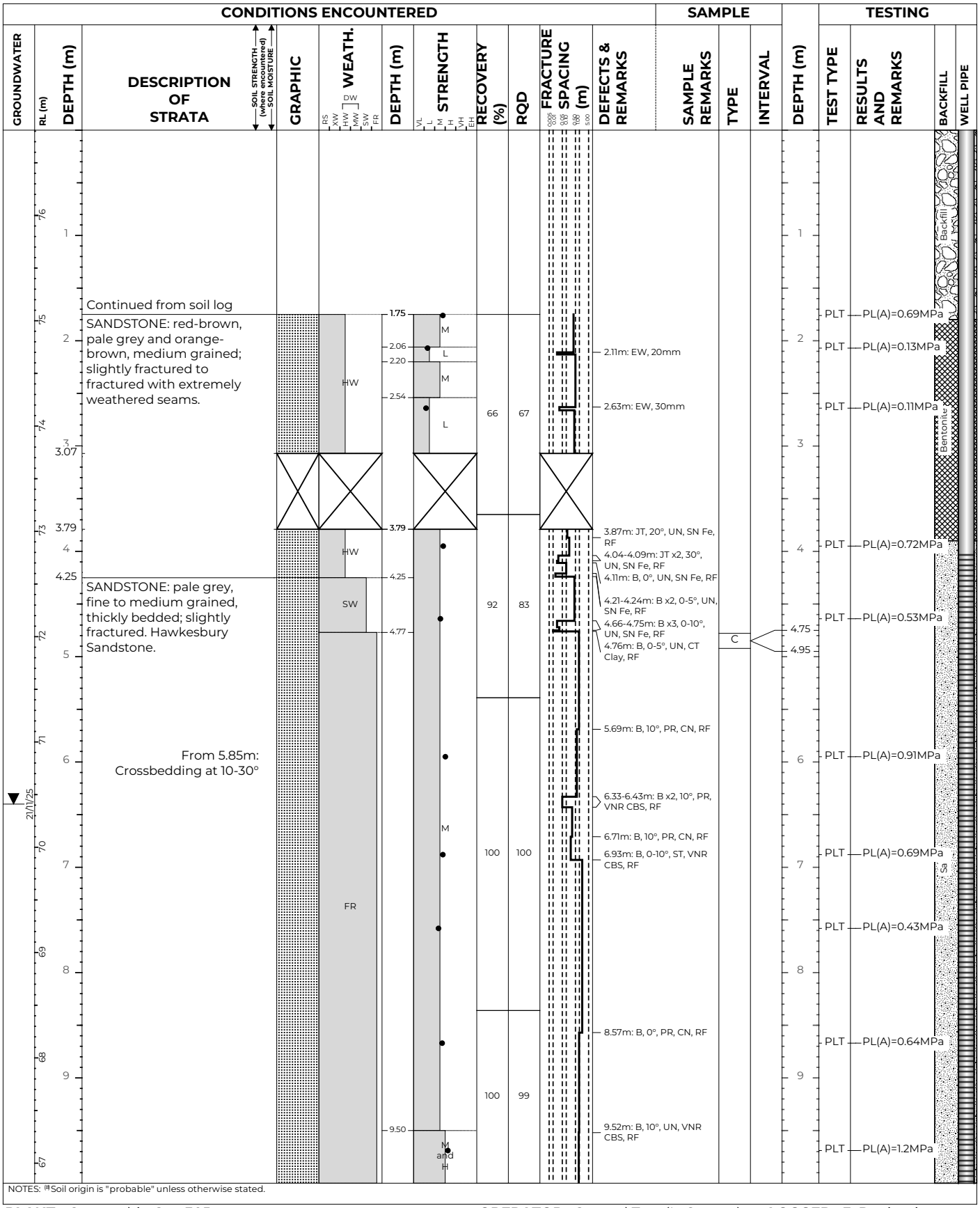
Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332775.2, N:6256575.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH01
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 2 of 3



NOTES: [a] Soil origin is "probable" unless otherwise stated.

Generated with CORE-GS by Geroc - Split Soil-Rock Log

PLANT: Comacchio Geo 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.15m, then AD to 1.6m, then WB to 1.75m, then NMLC to 20m
CASING: HWT to 2m
REMARKS: Replicate sample *BD01101125 taken from 0.4-0.5m

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332775.2, N:6256575.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH01
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 3 of 3

CONDITIONS ENCOUNTERED | **SAMPLE** | **TESTING**

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	WEATH.	DEPTH (m)	STRENGTH	RECOVERY (%)	RQD	FRACTURE SPACING (m)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	66	11	[CONT] SANDSTONE: pale grey, fine to medium grained, thickly bedded; slightly fractured. Hawkesbury Sandstone.		FR		M and H	100	99		10.41m: B, 0°, PR, TI Clay 10.43m: B, 0°, PR, VNR Clay, RF 11.12m: B, 0°, PR, VNR CBS, RF 11.56m: B, 10°, PR, VNR CBS, RF 11.80-11.82m: B x2, 0-10°, UN, VNR CBS, RF				11	PLT	PL(A)=0.92MPa		
	65	12													12	PLT	PL(A)=0.80MPa		
	64	13						100	99						13	PLT	PL(A)=0.86MPa		
		13.17				13.20													
	63	13.20	INTERBEDDED SANDSTONE AND SILTSTONE: light grey and dark grey, laminated to thinly bedded; fine to medium grained sandstone. Hawkesbury Sandstone.								13.20m: Water loss 13.60m: B, 0°, PR, VNR CBS, RF 13.76m: B, 10°, PR, VNR Clay, RF 14.11m: B, 5°, PR, VNR CBS, RF 14.26m: B, 5°, PR, CN, RF				14	PLT	PL(A)=0.95MPa		
	62	14.82														PLT	PL(A)=1.8MPa		
	61	15	SANDSTONE: pale grey, fine to medium grained, thickly bedded; slightly fractured. Hawkesbury Sandstone. 14.81m-18.53m: Unbroken		FR		H	100	100		14.81m: B, 10°, PR, CN, SM				15	PLT	PL(A)=0.95MPa		
	60	16													16	PLT	PL(A)=1.5MPa		
	59	17													17	PLT	PL(A)=1.8MPa		
	58	18						100	100		18.39m: B, 5°, UN, VNR CBS, RF 18.53m: JT, 40°, UN, CN, RF				18	PLT	PL(A)=1.3MPa		
	57	19	Borehole discontinued at 20.00m depth. Target Depth Reached.												19	PLT	PL(A)=1.2MPa		

Bentonite
Sand

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Comacchio Geo 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.15m, then AD to 1.6m, then WB to 1.75m, then NMLC to 20m
CASING: HWT to 2m
REMARKS: Replicate sample *BD01101125 taken from 0.4-0.5m

Generated with CORE-GS by Geroc - Split Soil-Rock Log

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332775.2, N:6256575.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH01
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 1 of 2



1.75-5.00 m depth



5.00-10.00 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332775.2, N:6256575.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH01
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 2 of 2



10.00-15.00 m depth



15.00-20.00 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332749.0, N:6256562.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH02
PROJECT No: 237003.00
DATE: 06/11/25
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE / RESULTS AND REMARKS
06/11/25 No Free Groundwater Observed Whilst Augering	76.8 / 0.13	FILL / CONCRETE; 130mm thick; reinforced.		FILL	ND		NA		ES	0.13–0.20	0.13	
	0.26	FILL / Sandy GRAVEL: dark grey; medium to coarse, blue metal; fine to coarse sand; with brick fragments (70mm) and trace 10mm rounded concrete fragments.		FILL	MC		NDF		ES	0.20–0.30	0.20	
	76						w=PL				0.30	
	1	CLAY (CI): pale brown mottled grey and orange-brown; medium plasticity.		RS	St to VSt				D/ES	0.50–0.60	0.50	DCP9/150
		From 0.50m: Pale grey mottled orange-brown					w<PL		D	1.00–1.10	0.60	
	75				(VSt)						1.00	
	1.68						NDF				1.10	
	2	Continued as rock log									1.68	
	74										2	
	3										3	
	73										4	
	4										5	
	72										6	
	5										7	
	71										8	
	6										9	
	70											
	7											
	69											
	8											
	68											
	9											
	67											

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 1.56m, then WB to 1.68m, then NMLC to 14m
CASING: HQ to 1.56m
REMARKS: Surface level extrapolated from BH01 GPS level. Borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

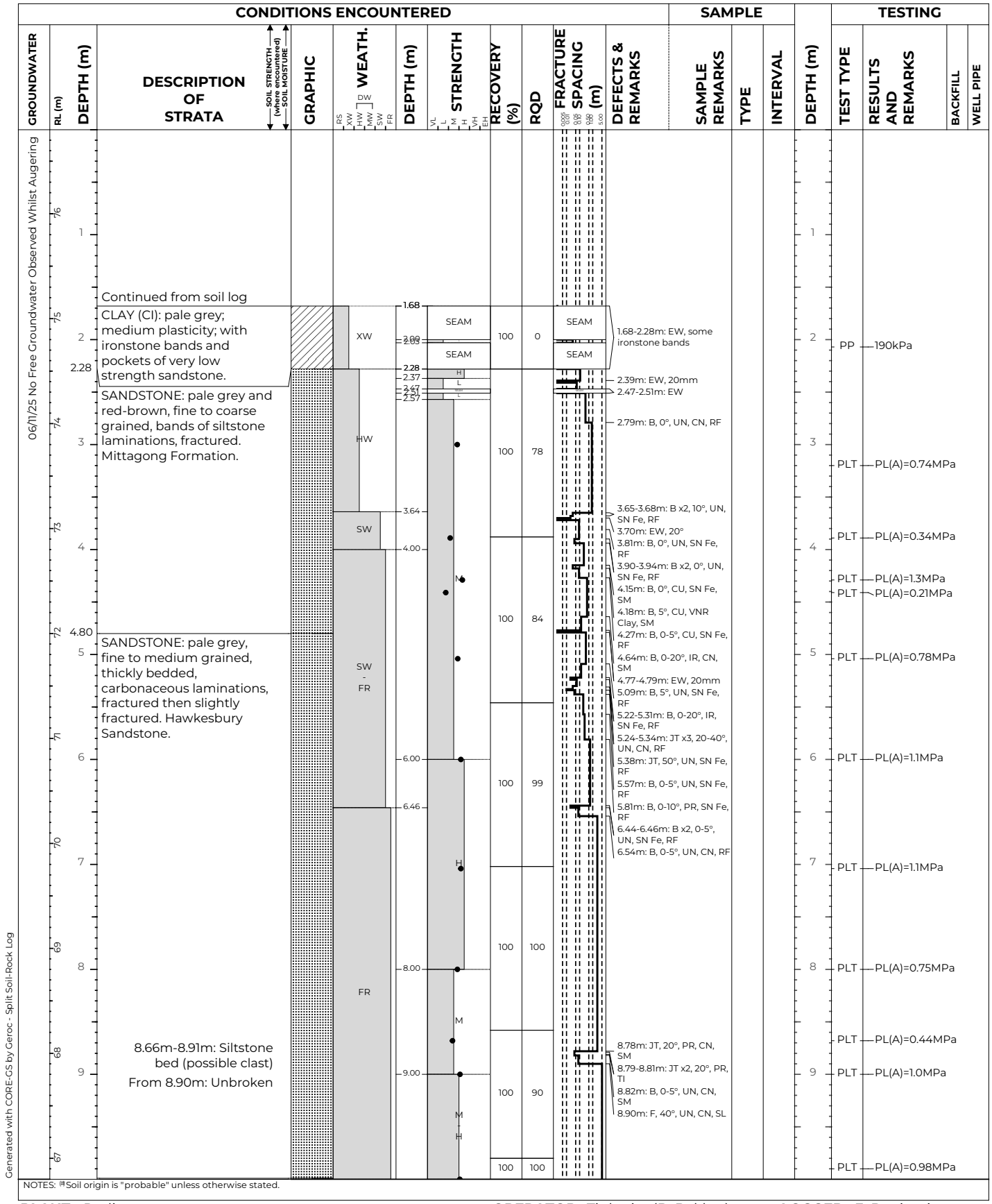
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332749.0, N:6256562.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH02
PROJECT No: 237003.00
DATE: 06/11/25
SHEET: 2 of 3



NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 1.56m, then WB to 1.68m, then NMLC to 14m
CASING: HQ to 1.56m
REMARKS: Surface level extrapolated from BH01 GPS level. Borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332749.0, N:6256562.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH02
PROJECT No: 237003.00
DATE: 06/11/25
SHEET: 3 of 3

CONDITIONS ENCOUNTERED														SAMPLE				TESTING			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA (SOIL STRENGTH (where encountered) / SOIL MOISTURE)	GRAPHIC	WEATH. (PS, XW, DW [HW, MW, SW], FR)	DEPTH (m)	STRENGTH (VL, L, M, H, VH, EH)	RECOVERY (%)	RQD	FRACTURE SPACING (m) (0.03, 0.06, 0.20, 0.60, >0.60)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	66	9.99	[CONT] SANDSTONE: pale grey, fine to medium grained, thickly bedded, carbonaceous laminations; unbroken. Hawkesbury Sandstone.				M	100	100										
	65	11					H						C		11.05	PLT	PL(A)=1.0MPa		
	64	12	12.00m-12.26m: Siltstone bed		FR			100	100						11.41				
	63	13				12.50	M								12	PLT	PL(A)=1.1MPa		
	62	14	Borehole discontinued at 14.00m depth. Target Depth Reached.					100	100						13	PLT	PL(A)=0.60MPa		
	61	15																	
	60	16																	
	59	17																	
	58	18																	
	57	19																	

NOTES: [H] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 1.56m, then WB to 1.68m, then NMLC to 14m
CASING: HQ to 1.56m
REMARKS: Surface level extrapolated from BH01 GPS level. Borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332749.0, N:6256562.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH02
PROJECT No: 237003.00
DATE: 06/11/25
SHEET: 1 of 2



1.68-6.00 m depth



6.00-10.00 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332749.0, N:6256562.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH02
PROJECT No: 237003.00
DATE: 06/11/25
SHEET: 2 of 2



10.00-14.00 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332729.4, N:6256550.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH03
PROJECT No: 237003.00
DATE: 05/11/25
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
05/11/25 09:00 No Free Groundwater Observed During Hand Augering	76	0.13	FILL / CONCRETE; 130mm thick, reinforced.		FILL	NA	NA	Glass + PFAS	ES		0.13	DCP9/150	5 10 15
		0.25	FILL / Sandy GRAVEL; fine to coarse, bluemetal; fine to coarse sand; trace brick fragment; (roadbase).		FILL	PC	NDF	Glass	D/ES		0.25		
			CLAY (CI): yellow-brown mottled red-brown and grey; medium plasticity.			VSt	w<PL				0.50		
	75	1	From 0.60m: Orange-brown mottled grey		RS				D		0.80 1.00		
			From 1.70m: Pale grey mottled red			ND					1.20		
		2	From 2.00m: With ironstone gravel						D		1.40		
			From 2.40m: With sand, possibly extremely weathered sandstone				NDF				2		
	74	2.60	Continued as rock log										
		3									3		
	73	4									4		
	72	5									5		
	71	6									6		
	70	7									7		
	69	8									8		
	68	9									9		
	67												

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 2m, then WB to 2.6m, then NMLC to 14.26m
CASING: HQ to 2m
REMARKS: Surface level extrapolated from BH01 GPS level. Borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

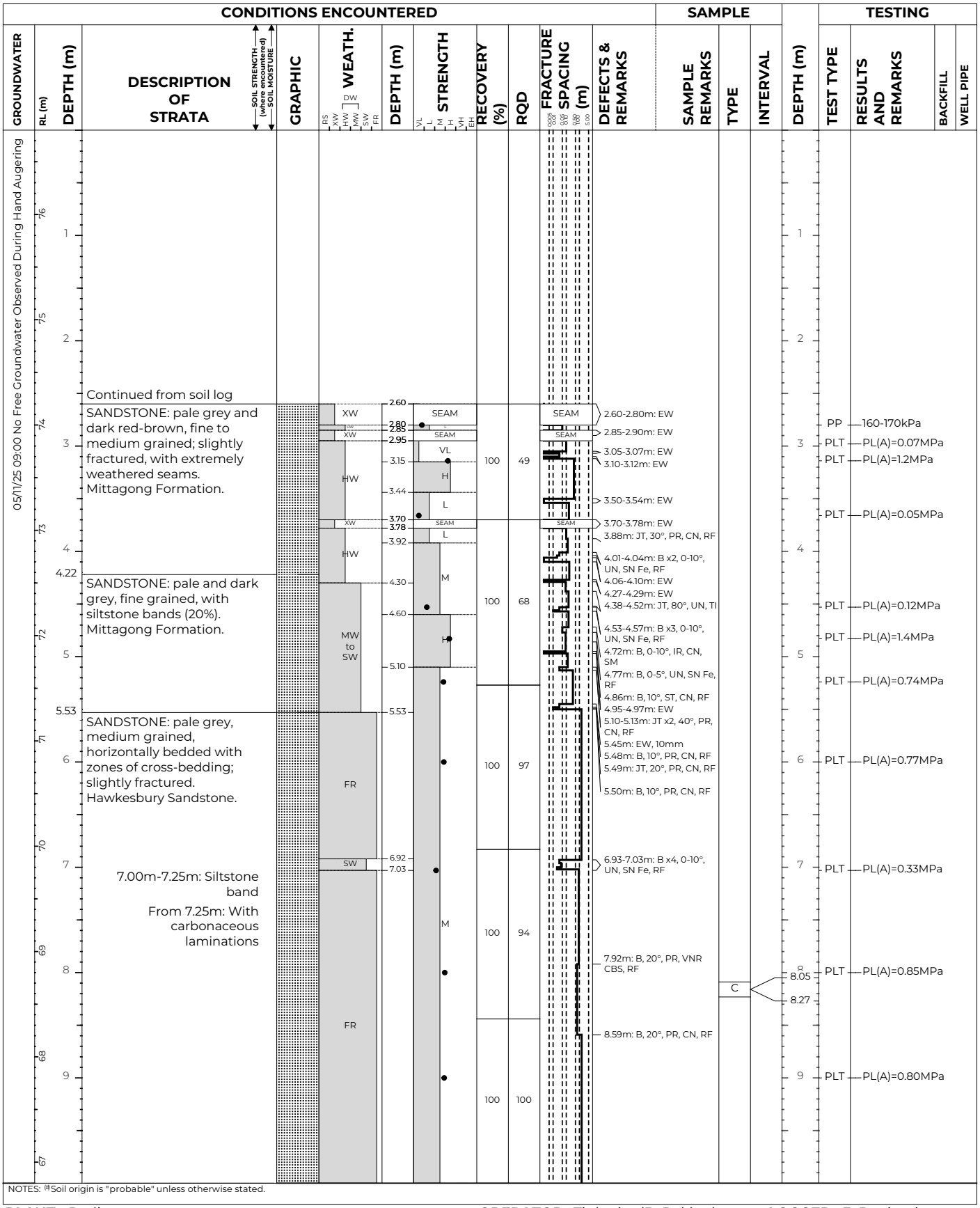
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332729.4, N:6256550.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH03
PROJECT No: 237003.00
DATE: 05/11/25
SHEET: 2 of 3



NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 2m, then WB to 2.6m, then NMLC to 14.26m
CASING: HQ to 2m
REMARKS: Surface level extrapolated from BH01 GPS level. Borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332729.4, N:6256550.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH03
PROJECT No: 237003.00
DATE: 05/11/25
SHEET: 3 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA (SOIL STRENGTH (where encountered) / SOIL MOISTURE)	GRAPHIC	WEATH. (PS, XW, DW [HW, MW], SW, FR)	DEPTH (m)	STRENGTH (VL, L, M, H, VH, EH)	RECOVERY (%)	RQD	FRACTURE SPACING (m) (0.03, 0.06, 0.20, 0.60, >0.60)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	66	11	[CONT] SANDSTONE: pale grey, medium grained, horizontally bedded with zones of cross-bedding; slightly fractured. Hawkesbury Sandstone.			10.80	M	100	100		10.07-10.21m: B x2, 0-5°, PR, VNR CBS, RF				11	PLT	PL(A)=0.68MPa		
	65	12	From 12.06m: Siltstone bands 30mm to 360mm thick		FR		M and H	100	100		12.35m: B, 20°, PR, VNR CBS, RF				12	PLT	PL(A)=0.91MPa		
	64	13						100	100						13	PLT	PL(A)=0.90MPa		
	63	14						100	100		13.79m: JT, 30°, PR, CN, SM				14	PLT	PL(A)=1.1MPa		
																PLT	PL(A)=0.90MPa		
	62	15	Borehole discontinued at 14.26m depth. Target Depth Reached.																
	61	16																	
	60	17																	
	59	18																	
	58	19																	
	57																		

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 2m, then WB to 2.6m, then NMLC to 14.26m
CASING: HQ to 2m
REMARKS: Surface level extrapolated from BH01 GPS level. Borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332729.4, N:6256550.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH03
PROJECT No: 237003.00
DATE: 05/11/25
SHEET: 1 of 2



2.60-7.00 m depth



7.00-11.00 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332729.4, N:6256550.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH03
PROJECT No: 237003.00
DATE: 05/11/25
SHEET: 2 of 2



11.00-14.26 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332774.9, N:6256542.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH04
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
10/11/25 No Free Groundwater Observed During Augering	76	0.13	FILL / CONCRETE; 130mm thick, reinforced.		FILL	NA		NA				0.15		
								NDF	jar	ES		0.20		
			FILL / Gravelly SAND: pale grey; medium to coarse; igneous gravel; with rounded concrete fragments, trace brick fragment.		FILL	VC		M	jar + pfas	ES		0.40 0.50		
	1								jar	D/ES		0.80		
										SPT		1.00 1.10	SPT	33/100mm
		1.50	FILL / CLAY: grey-brown; medium plasticity; trace fine to medium sand.		FILL				jar + duplicate	D/ES		1.30 1.50		
	75	2.00							jar	ES		1.80 2.00		
			CLAY (CI): yellow-brown mottled grey; medium plasticity.		RS	St		w<PL	jar	D/ES		2.30 2.50		
	74	2.80												
	3		CLAY (CI-CH): grey mottled orange-brown; medium to high plasticity.		RS			NDF		SPT		3.00	SPT	4,8,8 N=16
												3.45	PP	400kPa
	73	4.00				H				SPT		4.00	SPT	28,25/100mm
		4.40	Clayey SAND (SC): pale grey and red-brown; fine to medium; with pockets of highly weathered sandstone.		XWM							4.25		
			Continued as rock log											
	72	5										5		
	71	6										6		
	70	7										7		
	69	8										8		
	68	9										9		
	67													

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Comacchio 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then AD to 3m, then WB to 4.4m, then NMLC to 14.48m
CASING: HWT to 3m
REMARKS: Replicate sample *BD02101125 taken from 1.3-1.5m

Refer to explanatory notes for symbol and abbreviation definitions

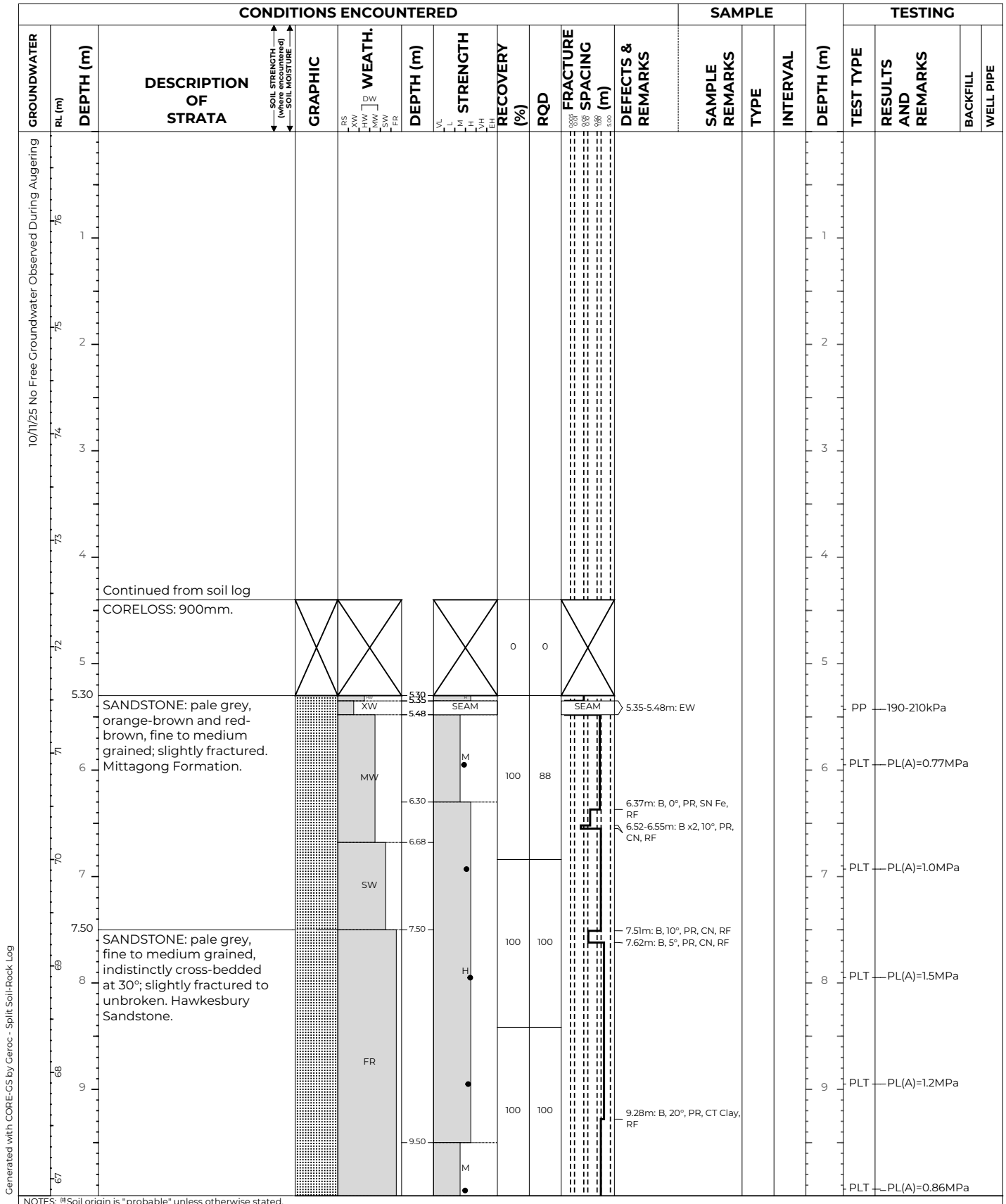
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332774.9, N:6256542.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH04
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 2 of 3



NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Comacchio 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then AD to 3m, then WB to 4.4m, then NMLC to 14.48m
CASING: HWT to 3m
REMARKS: Replicate sample *BD02101125 taken from 1.3-1.5m

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332774.9, N:6256542.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH04
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 3 of 3

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	WEATH.	DEPTH (m)	STRENGTH	RECOVERY (%)	RQD	FRACTURE SPACING (m)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	66	11	[CONT] SANDSTONE: pale grey, fine to medium grained, indistinctly cross-bedded at 30°; slightly fractured to unbroken. Hawkesbury Sandstone.		FR		M	100	100		10.24m: B, 0-10°, UN, CN, RF				11	PLT	PL(A)=0.65MPa		
	65	12													12	PLT	PL(A)=0.64MPa		
	64	13	From 13.04m: slightly fractured			12.50		100	99		13.04m: B, 5°, PR, VNR CBS, RF 13.30m: B, 5°, UN, CN, RF 13.53-13.57m: B x2, 10°, PR, VNR CBS, RF 13.86m: B, 10°, CU, CN, RF				13	PLT PLT	PL(A)=1.4MPa PL(A)=1.0MPa		
	63	14				14.00	M								14	PLT	PL(A)=0.83MPa		
	62	15	Borehole discontinued at 14.48m depth. Target Depth Reached.																
	61	16																	
	60	17																	
	59	18																	
	58	19																	
	57																		

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Comacchio 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then AD to 3m, then WB to 4.4m, then NMLC to 14.48m
CASING: HWT to 3m
REMARKS: Replicate sample *BD02101125 taken from 1.3-1.5m

Generated with CORE-GS by Geroc - Split Soil-Rock Log

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332774.9, N:6256542.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH04
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 1 of 2



4.40-8.00 m depth



8.00-13.00 m depth

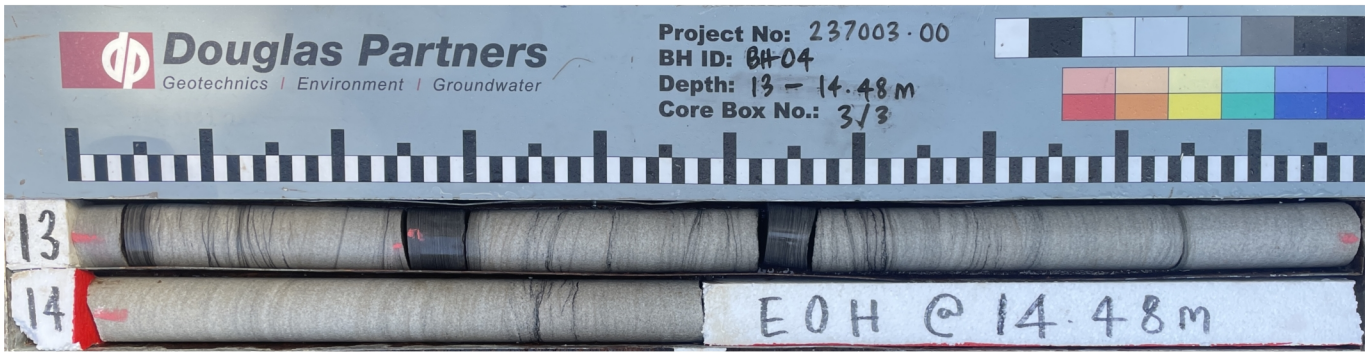
Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332774.9, N:6256542.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH04
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 2 of 2



13.00-14.48 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.9 AHD
COORDINATE: E:332763.5, N:6256536.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH05
PROJECT No: 237003.00
DATE: 11/11/25
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
21/11/25 Dry		0.14	FILL / CONCRETE; 140mm thick, reinforced.		FILL	NA	NA				0.20			Bentonite	
	76	1	FILL / Gravelly SAND: brown; fine to coarse; fine to coarse, igneous gravel; with rounded concrete fragments and trace brick fragments up to 60mm. From 0.30m: with gravel 1.45m-1.60m: possible cobble		FILL	VC	M	jar + pfas jar	ES D/ES		0.30 0.50				
									* D/ES		0.80				
									SPT		1.00	SPT	11,13,22/70mm		
									ES		1.37 1.50				
	75	1.70 2	FILL / Silty SAND: dark grey; fine; low plasticity silt; trace fine to coarse quartz and igenous gravel.		FILL		w<PL	jar + pfas	D/ES		1.80 2.00				
		2.30	FILL / CLAY: grey mottled yellow-brown; medium plasticity.		FILL	(S)	w=PL		D		2.30 2.50				
	74	3				S			SPT		3.00	SPT	0,1,2 N=3		
											3.45				
	73	4.00	CLAY (CI) with sand: grey; medium plasticity; fine sand.		RS	F	NDF		SPT		4.00 4.45	SPT	3,3,3 N=6		
	72	5 5.10	Continued as rock log								5			Sand	
	71	6									6				
	70	7									7				
	69	8									8				
	68	9									9				
	67														

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Comacchio 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then AD to 3m, then WB to 5.1m, then NMLC to 14m
CASING: HWT to 3m
REMARKS: Replicate sample *BD03111125 taken from 0.8-1.0m

Refer to explanatory notes for symbol and abbreviation definitions

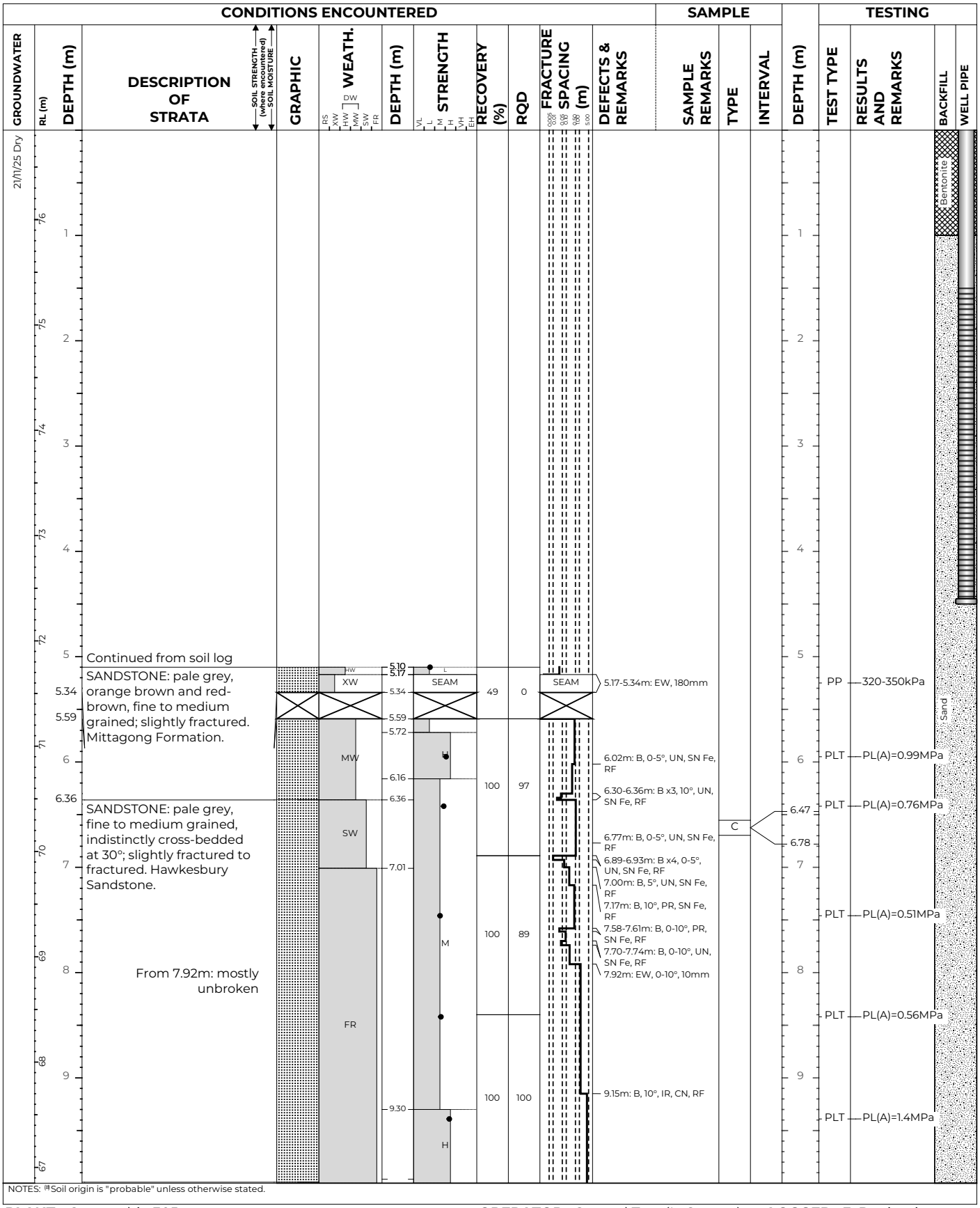
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.9 AHD
COORDINATE: E:332763.5, N:6256536.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH05
PROJECT No: 237003.00
DATE: 11/11/25
SHEET: 2 of 3



NOTES: [#] Soil origin is "probable" unless otherwise stated.

Generated with CORE-GS by Geroc - Split Soil-Rock Log

PLANT: Comacchio 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then AD to 3m, then WB to 5.1m, then NMLC to 14m
CASING: HWT to 3m
REMARKS: Replicate sample *BD03111125 taken from 0.8-1.0m

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.9 AHD
COORDINATE: E:332763.5, N:6256536.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH05
PROJECT No: 237003.00
DATE: 11/11/25
SHEET: 3 of 3

CONDITIONS ENCOUNTERED														SAMPLE				TESTING			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA (SOIL STRENGTH (where encountered) / SOIL MOISTURE)	GRAPHIC	WEATH. (PS, XW, DW [HW, MW, SW], FR)	DEPTH (m)	STRENGTH (VL, L, M, H, VH, EH)	RECOVERY (%)	RQD	FRACTURE SPACING (m) (0.03, 0.06, 0.20, 0.60, 2.00)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	66	9.99	[CONT] SANDSTONE: pale grey, fine to medium grained, indistinctly cross-bedded at 30°; unbroken. Hawkesbury Sandstone.			10.00										PLT	PL(A)=0.48MPa		
	65	11	From 10.00m: siltstone and carbonaceous laminations				M	100	100						11	PLT	PL(A)=0.51MPa		
	64	12			FR	12.30									12	PLT	PL(A)=1.0MPa	Sand	
	63	13	12.90m-13.30m: slightly fractured			13.00	H	100	97		12.91-13.13m: JT, 60-70°, UN, CN, RF 13.22m: B, 10°, UN, VNR CBS, RF				13	PLT	PL(A)=0.80MPa		
	62	14	Borehole discontinued at 14.00m depth. Target Depth Reached.				M												
	61	15																	
	60	16																	
	59	17																	
	58	18																	
	57	19																	

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Comacchio 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then AD to 3m, then WB to 5.1m, then NMLC to 14m
CASING: HWT to 3m
REMARKS: Replicate sample *BD03111125 taken from 0.8-1.0m

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.9 AHD
COORDINATE: E:332763.5, N:6256536.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH05
PROJECT No: 237003.00
DATE: 11/11/25
SHEET: 1 of 1



5.10-9.00 m depth



9.00-14.00 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332748.9, N:6256527.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH06
PROJECT No: 237003.00
DATE: 12/11/25
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^] / DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
		0.15	FILL / CONCRETE; 150mm thick; reinforced.		FILL	NA	NA		ES		0.20				
			FILL / Gravelly SAND trace silt: dark brown; fine to coarse; fine to coarse, igneous gravel; with concrete gravel fragments; trace brick fragments up to 60mm.		FILL	MC	NDF M		D/ES		0.30 0.50				
	76	1							ES		0.90 1.00				
		1.20	FILL / Sandy CLAY trace gravel: dark brown; low plasticity; fine sand; fine to coarse, quartz gravel.		FILL				SPT ES		1.20 1.50	SPT	7,9,7 N=16		
		1.70	CLAY (CI): yellow-brown; medium plasticity.												
	75	2	From 2.30m: Dark grey mottled red-brown		RS	VSt	w<PL		D/ES		1.80 2.00				
									ES		2.40 2.50			Bentonite	
	74	3							SPT		2.95	SPT	6,9,12 N=21		
		3.15	Continued as rock log				NDF								
	73	4									4				
	72	5									5				
▼ 21/11/25	71	6									6				
	70	7									7			Sand	
	69	8									8				
	68	9									9				
	67														

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Comacchio Geo 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.15m, then AD to 2.5m, then WB to 3.15m, then NMLC to 14.32m
CASING: HQ to 1.56m
REMARKS:

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

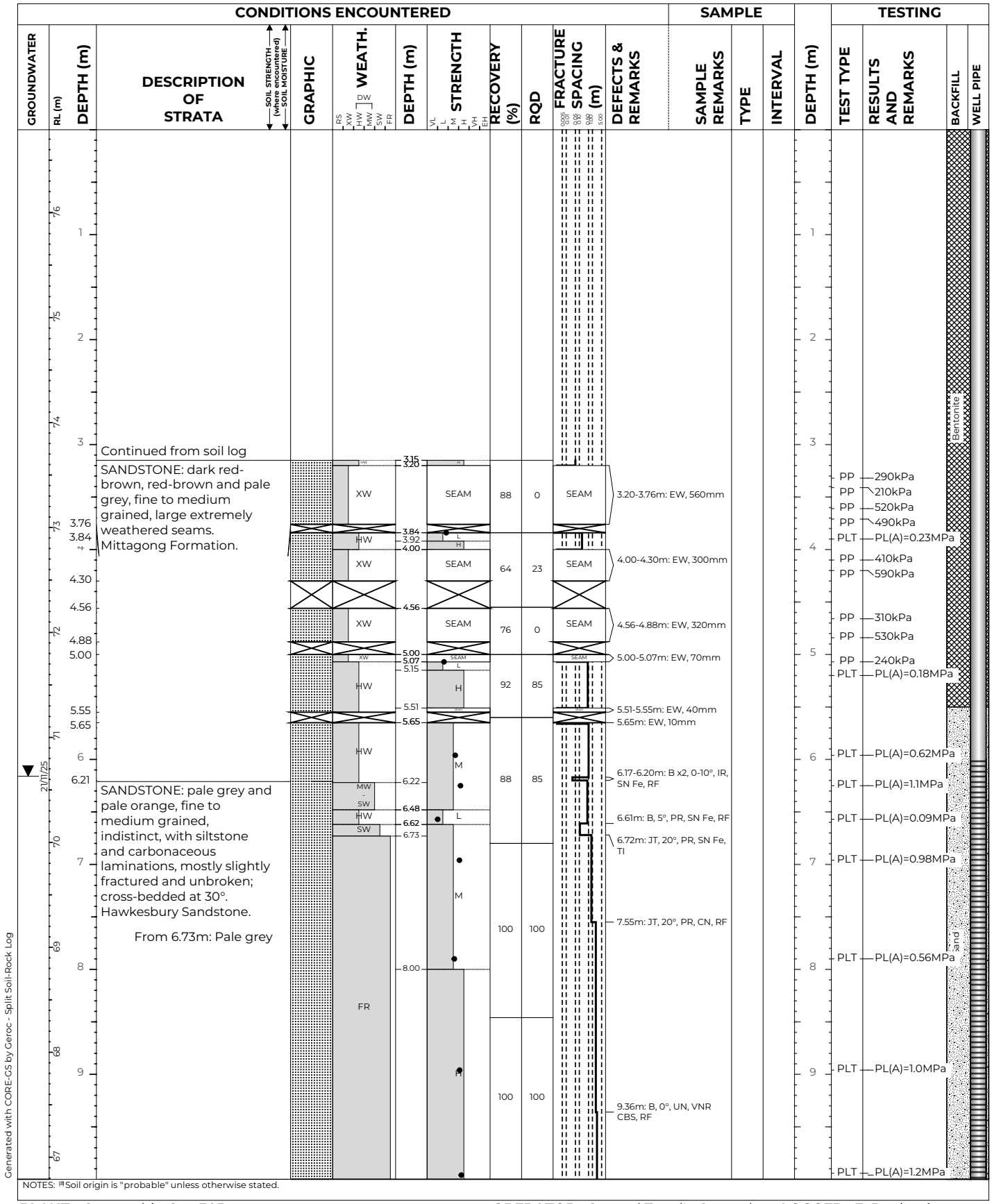
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332748.9, N:6256527.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH06
PROJECT No: 237003.00
DATE: 12/11/25
SHEET: 2 of 3



NOTES: [a] Soil origin is "probable" unless otherwise stated.

Generated with CORE-GS by Geroc - Split Soil-Rock Log

PLANT: Comacchio Geo 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.15m, then AD to 2.5m, then WB to 3.15m, then NMLC to 14.32m
CASING: HQ to 1.56m
REMARKS:

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332748.9, N:6256527.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH06
PROJECT No: 237003.00
DATE: 12/11/25
SHEET: 3 of 3

CONDITIONS ENCOUNTERED														SAMPLE				TESTING			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA (SOIL STRENGTH (where encountered) / SOIL MOISTURE)	GRAPHIC	WEATH. (RS, XW, HW, DW, MW, SW, FR)	DEPTH (m)	STRENGTH (VL, L, M, H, VH, EH)	RECOVERY (%)	RQD	FRACTURE SPACING (m) (0.03, 0.06, 0.20, 0.60, 2.00)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	66	11	[CONT] SANDSTONE: pale grey and pale orange, fine to medium grained, indistinct, with siltstone and carbonaceous laminations, mostly slightly fractured and unbroken; cross-bedded at 30°. Hawkesbury Sandstone.				H	100	100						11	PLT	PL(A)=1.1MPa	Sand	
	65										11.58m: B, 0-5°, UN, VNR CBS, RF								
		12			FR	11.90									12	PLT	PL(A)=0.68MPa		
	64		12.69m-13.00m: Laminite bands				M												
						12.70		100	100							PLT	PL(A)=0.78MPa		
		13					H								13	PLT	PL(A)=1.3MPa	Bentonite	
	63																		
		14									14.03m: B, 0-10°, UN, VNR CBS, RF				14	PLT	PL(A)=1.2MPa		
	62	15	Borehole discontinued at 14.32m depth. Target Depth Reached.																
	61	16																	
	60	17																	
	59	18																	
	58	19																	
	57																		

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Comacchio Geo 305
OPERATOR: Ground Test (L. Cooper)
LOGGED: E. Benjamin
METHOD: DT to 0.15m, then AD to 2.5m, then WB to 3.15m, then NMLC to 14.32m
CASING: HQ to 1.56m
REMARKS:

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Split Soil-Rock Log

Douglas PARTNERS

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332748.9, N:6256527.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH06
PROJECT No: 237003.00
DATE: 12/11/25
SHEET: 1 of 2



3.15-7.00 m depth



7.00-12.00 m depth

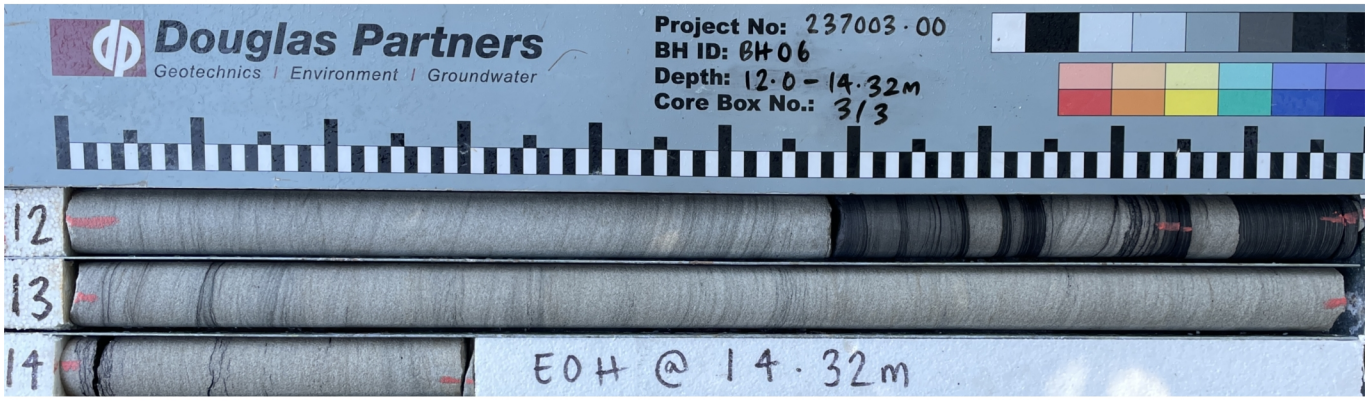
Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 76.8 AHD
COORDINATE: E:332748.9, N:6256527.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH06
PROJECT No: 237003.00
DATE: 12/11/25
SHEET: 2 of 2



12.00-14.32 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332783.5, N:6256507.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH07
PROJECT No: 237003.00
DATE: 17/11/25
SHEET: 1 of 2

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
17/11/25 No Free Groundwater Observed Whilst Augering	71	0.14	FILL / CONCRETE; 140mm thick, reinforced.		FILL	NA	NA		ES	0.14 - 0.20	0.14		
		0.20	FILL / Sandy GRAVEL: dark grey; igneous; road base.		FILL	(ND)	ND		ES	0.20 - 0.30	0.20		
		0.30			FILL	VC	M		ES	0.30 - 0.40	0.30		
		0.45	FILL / SAND with gravel: pale yellow; coarse; igneous gravel; carbonaceous material			St - VSt			ES	0.40 - 0.50	0.40	DCP9/150	5 10 15 25
	70	1	From 1.40m: Grey; trace red-brown; trace sandstone gravel		RS		w<PL		ES	0.90 - 1.10	0.50		
		1.50	FILL / Clayey SAND with gravel: pale grey and yellow; medium to coarse, sandstone gravel; trace concrete cobbles.			VSt - H			ES	1.40 - 1.50	0.90	SPT	8,16,13 N=29
	69	2	CLAY (CI-CH) with gravel: red-brown and grey; medium to high plasticity; fine, ironstone gravel.								1.10	PP	450kPa
			Continued as rock log								1.40		
	68	3									1.50		
	67	4									2		
	66	5									3		
	65	6									4		
	64	7									5		
	63	8									6		
	62	9									7		
											8		
											9		

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: C. Lambert-Bridges
METHOD: DT to 0.14m, then AD to 1.5m, then NMLC to 9.4m
CASING: HQ to 1.5m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

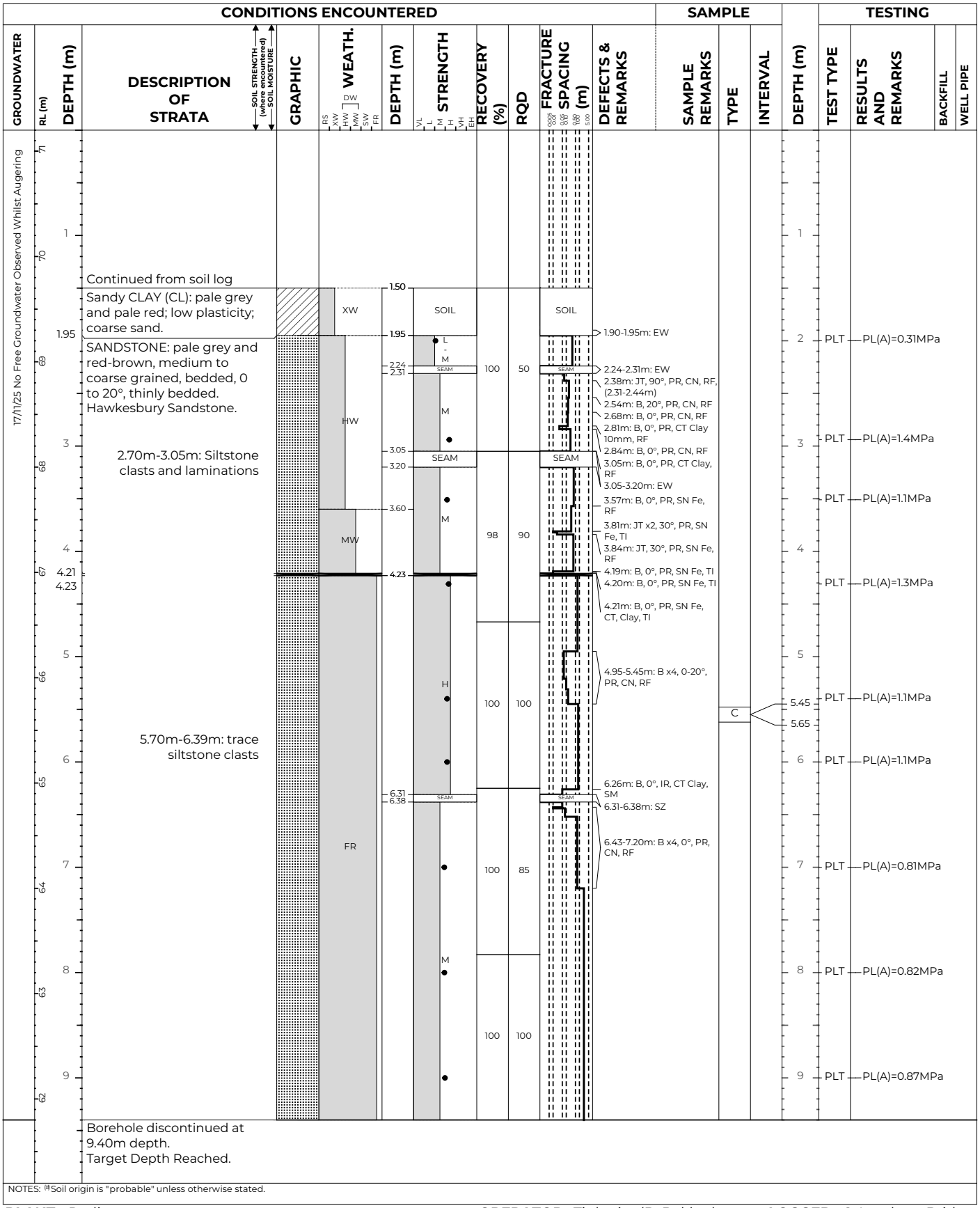
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332783.5, N:6256507.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH07
PROJECT No: 237003.00
DATE: 17/11/25
SHEET: 2 of 2



NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: C. Lambert-Bridges
METHOD: DT to 0.14m, then AD to 1.5m, then NMLC to 9.4m
CASING: HQ to 1.5m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332783.5, N:6256507.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH07
PROJECT No: 237003.00
DATE: 17/11/25
SHEET: 1 of 1



1.50-6.00 m depth



6.00-9.40 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332762.1, N:6256504.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH08
PROJECT No: 237003.00
DATE: 14/11/25
SHEET: 1 of 2

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
14/11/25 Dry	71	0.12	FILL / CONCRETE; 120mm thick, reinforced.		FILL	NA				ES		0.12	DCP9/150	5 10 15 HB 11/50mm
		0.30	FILL / Sandy GRAVEL: pale brown; fine to coarse, igneous; dark grey sand; charcoal; road base.		FILL	VC		NA		ES		0.20 0.32		
		0.56	FILL / Clayey SAND with gravel: pale yellow-brown; fine to coarse, sandstone gravel.		FILL					ES	*	0.51		
		0.80	Sandy CLAY (CL-CI) trace gravel: pale grey, red-brown and dark grey; low to medium plasticity; coarse sand; fine to medium, ironstone and sandstone gravel.		XWM	ND		w=PL		ES		0.60		
			Continued as rock log							ES		0.80		
	70	1										1		
	69	2										2		
	68	3										3		
	67	4										4		
	66	5										5		
	65	6										6		
	64	7										7		
	63	8										8		
	62	9										9		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Proline
METHOD: DT to 0.12m, then AD to 0.8m, then NMLC to 7.7m
REMARKS: Replicate sample *BD5141125 taken from 0.49-0.51m

OPERATOR: Tightsite (B. Bakker)

LOGGED: C. Lambert-Bridges
CASING: HQ to 0.8m

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332762.1, N:6256504.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH08
PROJECT No: 237003.00
DATE: 14/11/25
SHEET: 2 of 2

CONDITIONS ENCOUNTERED | **SAMPLE** | **TESTING**

GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	WEATH.	DEPTH (m)	STRENGTH	RECOVERY (%)	RQD	FRACTURE SPACING (m)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
14/11/25 Dry	71	0	Continued from soil log																
	70	1	SANDSTONE: brown, brown-red and pale grey, fine to medium grained, distinct, bedded, 0 to 20°, thinly bedded; iron stained. Hawkesbury Sandstone.		HW	0.80 0.95 1.00	M L - M				0.89-0.91m: EW, Clay 0.93m: B, 0°, PR, CT Clay, SM 0.95-1.00m: EW, Clay 1.11m: B, 0°, PR, TI Fe				1	PLT	PL(A)=0.18MPa		
		1.60				1.60		100	70		1.19-1.22m: B x2, 20°, PR, SN Fe, RF 1.26m: JT, 30-40°, IR, SN Fe, RF					PLT	PL(A)=0.47MPa		
	69	2	SANDSTONE: pale grey, fine grained, distinct, bedded, 0 to 20°, thinly bedded; mostly slightly fractured. Hawkesbury Sandstone.		SW						1.25-1.37m: B x3, 0-20°, IR, SN Fe, RF 1.49m: B, 0°, PR, VNR Clay, RF 1.53-1.59m: B x4, 0°, PR, SN Fe, RF 2.03m: B, 0°, PR, CN, RF 2.52m: B, 20°, PR, VNR Clay, RF				2	PLT	PL(A)=0.42MPa		
	68	3				3.00	M	100	85		2.80-3.05m: B x7, 10°, PR, SN Fe, RF 3.07m: B, 10°, PR, TI Clay 3.31m: B, 20°, PR, CN, RF				3	PLT	PL(A)=0.55MPa		
	67	4									4.06-4.22m: B x5, 0°, PR, CN, RF				4	PLT	PL(A)=1.0MPa		
	66	5			FR			100	98		4.55-4.85m: B x2, 0°, PR, CN, RF				5	PLT	PL(A)=0.30MPa		
						5.50					5.39-5.42m: B x2, 20°, PR, CN, RF								
	65	6						100	98		6.02-6.05m: B x2, 0°, IR, CN, RF 6.33m: B, 20°, PR, CN, RF				6	PLT	PL(A)=1.0MPa		
	64	7					M - H	100	100						7	PLT	PL(A)=0.96MPa		
	63	8	Borehole discontinued at 7.70m depth. Target Depth Reached.																
	62	9																	

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
METHOD: DT to 0.12m, then AD to 0.8m, then NMLC to 7.7m
REMARKS: Replicate sample *BD5141125 taken from 0.49-0.51m

OPERATOR: Tightsite (B. Bakker)

LOGGED: C. Lambert-Bridges
CASING: HQ to 0.8m

Refer to explanatory notes for symbol and abbreviation definitions

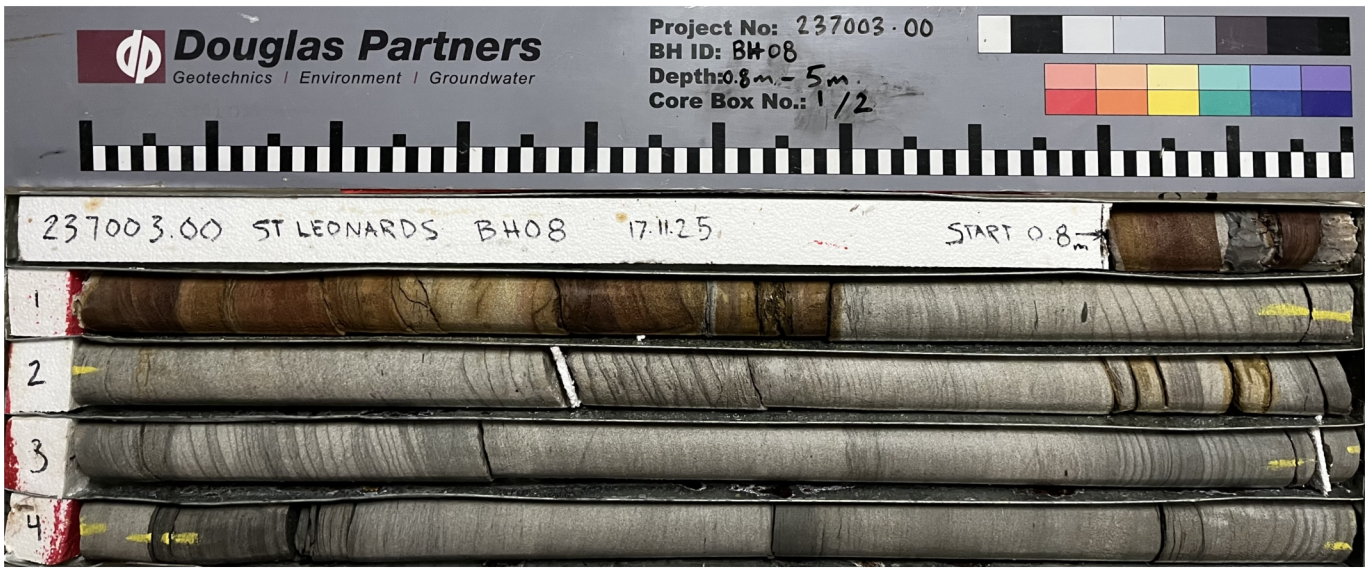
Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332762.1, N:6256504.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH08
PROJECT No: 237003.00
DATE: 14/11/25
SHEET: 1 of 1



0.80-5.00 m depth



5.00-7.70 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332787.2, N:6256481.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH09
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[^]	DENSITY.[^]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
		0.13	FILL / CONCRETE; 130mm thick; reinforced.		FILL	NA		NA				0.20				
		0.25	FILL / Sandy GRAVEL; fine to coarse, igneous; with concrete gravel fragments; trace brick.		FILL	(D)		NDF		ES		0.30				
		0.45	FILL / SAND with clay with gravel: yellow-brown; medium; fine, quartz gravel.		FILL			M		ES		0.40 0.50				
	73	1	FILL / CLAY with sand: yellow-brown mottled grey and red-brown; medium to high plasticity; fine sand; with clayey sand layers; possibly reworked residual.		FILL	PC		w<PL - w=PL		D/ES		1.00 1.10	DCP9/150	5 10 15		
										D/ES		1.40 1.50				
	72	1.90 2.05	FILL / Clayey SAND: dark grey; fine to medium; medium to high plasticity clay.		FILL			M		D/ES		1.90 2.00			Bentonite	
		2.54	CLAY (CI-CH): yellow-brown mottled grey and red-brown; medium to high plasticity.		RS	(St)		w<PL		D/ES		2.30 2.50				
▼ 19/11/25 19/11/25			Continued as rock log													
	71	3										3			Sand	
	70	4										4				
	69	5										5				
	68	6										6				
	67	7										7				
	66	8										8				
	65	9										9				

NOTES: [#] Soil origin is "probable" unless otherwise stated. [^] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 2.54m, then NMLC to 10.37m
CASING: HQ to 1.56m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

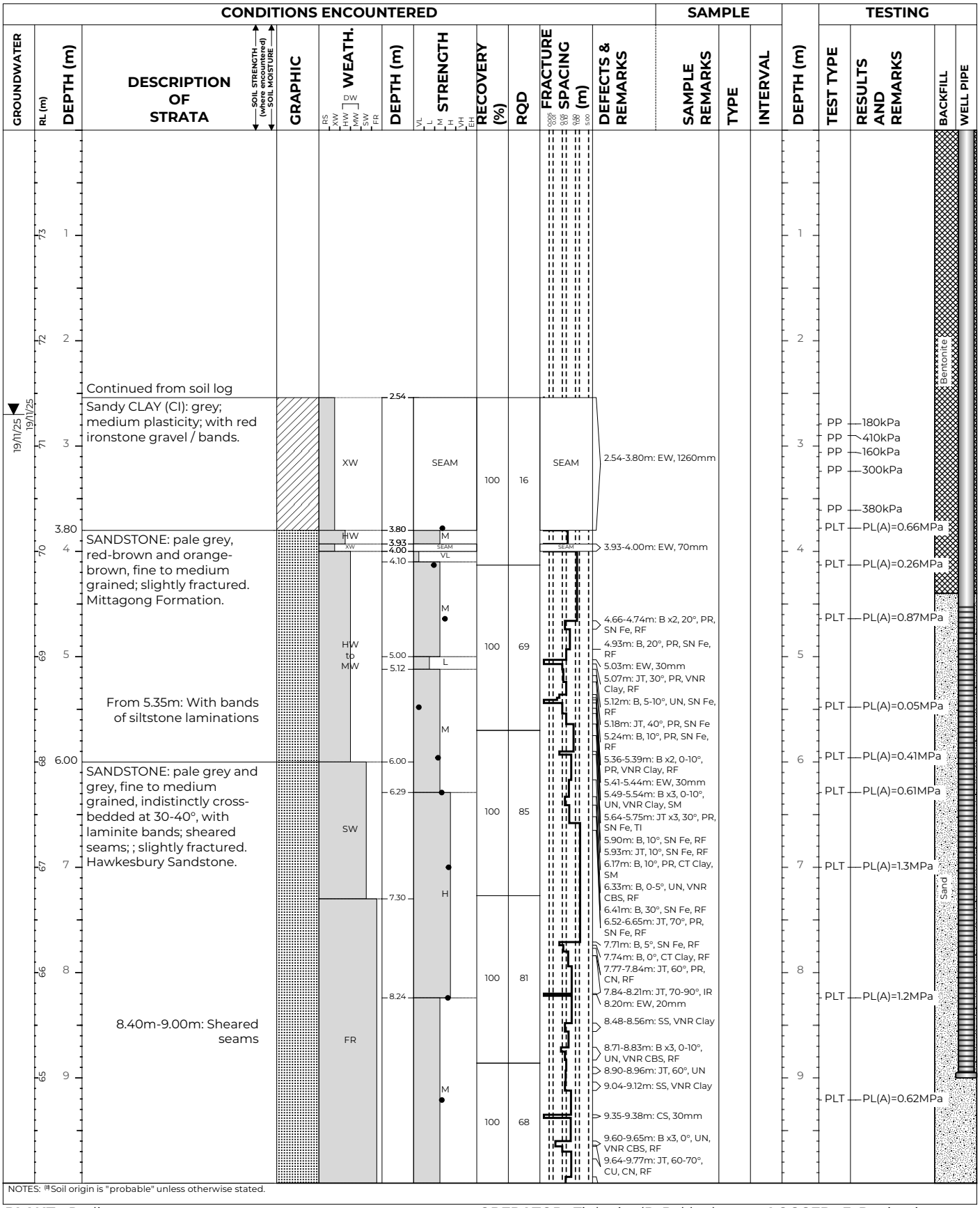
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332787.2, N:6256481.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH09
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 2 of 3



NOTES: [a] Soil origin is "probable" unless otherwise stated.

Generated with CORE-GS by Geroc - Split Soil-Rock Log

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 2.54m, then NMLC to 10.37m
CASING: HQ to 1.56m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332787.2, N:6256481.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH09
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 3 of 3

CONDITIONS ENCOUNTERED														SAMPLE				TESTING			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA (SOIL STRENGTH (where encountered) / SOIL MOISTURE)	GRAPHIC	WEATH. (PS, XW, DW, HW, MW, SW, FR)	DEPTH (m)	STRENGTH (VL, L, M, H, VH, EH)	RECOVERY (%)	RQD	FRACTURE SPACING (m) (0.03, 0.06, 0.20, 0.60, 2.00)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	63	11	[CONT] SANDSTONE: pale grey and grey, fine to medium grained, indistinctly cross-bedded at 30-40°, with laminite bands; sheared seams; ; slightly fractured. Hawkesbury Sandstone.		FR		M	100	68		9.94m: B, 0-10°, UN, VNR CBS, RF 10.03m: JT, 40°, PR, CN, RF					PLT	PL(A)=0.88MPa	Sand	
			Borehole discontinued at 10.37m depth. Target Depth Reached.																
	62	12																	
	61	13																	
	60	14																	
	59	15																	
	58	16																	
	57	17																	
	56	18																	
	55	19																	

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 2.54m, then NMLC to 10.37m
CASING: HQ to 1.56m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332787.2, N:6256481.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH09
PROJECT No: 237003.00
DATE: 10/11/25 - 11/11/25
SHEET: 1 of 1



2.54-7.00 m depth



7.00-10.37 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332769.4, N:6256479.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH10
PROJECT No: 237003.00
DATE: 13/11/25
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
03/11/25 ▽	71	0.12	FILL / CONCRETE; 120mm thick, reinforced.		FILL	NA	NA				0.00				
		0.20	FILL / GRAVEL with sand: pale brown; coarse, igneous; coarse sand.		FILL		NDF		3x ES		0.25				
		0.30	FILL / Sandy GRAVEL: dark-brown to dark grey; coarse, igneous; medium to coarse sand; trace carbonaceous flakes.		FILL	VC	D		2x ES		0.45	DCP9/150	5/100mm 5 10 15 25 29 25/130mm	Bentonite	
	70	1					NDF				1			Sand	
		1.10	FILL / Clayey SAND with gravel: pale grey; fine to coarse; medium to coarse, sandstone gravel.												
			Continued as rock log												
	69	2									2				
	68	3									3				
	67	4									4				
	66	5									5				
	65	6									6				
	64	7									7				
	63	8									8				
	62	9									9				

NOTES: (#) Soil origin is "probable" unless otherwise stated. (*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: C. Lambert-Bridges
METHOD: DT to 0.12m, then HA to 0.53m, then WB to 1.1m, then NMLC to 14.35m
CASING: HQ to 1.1m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

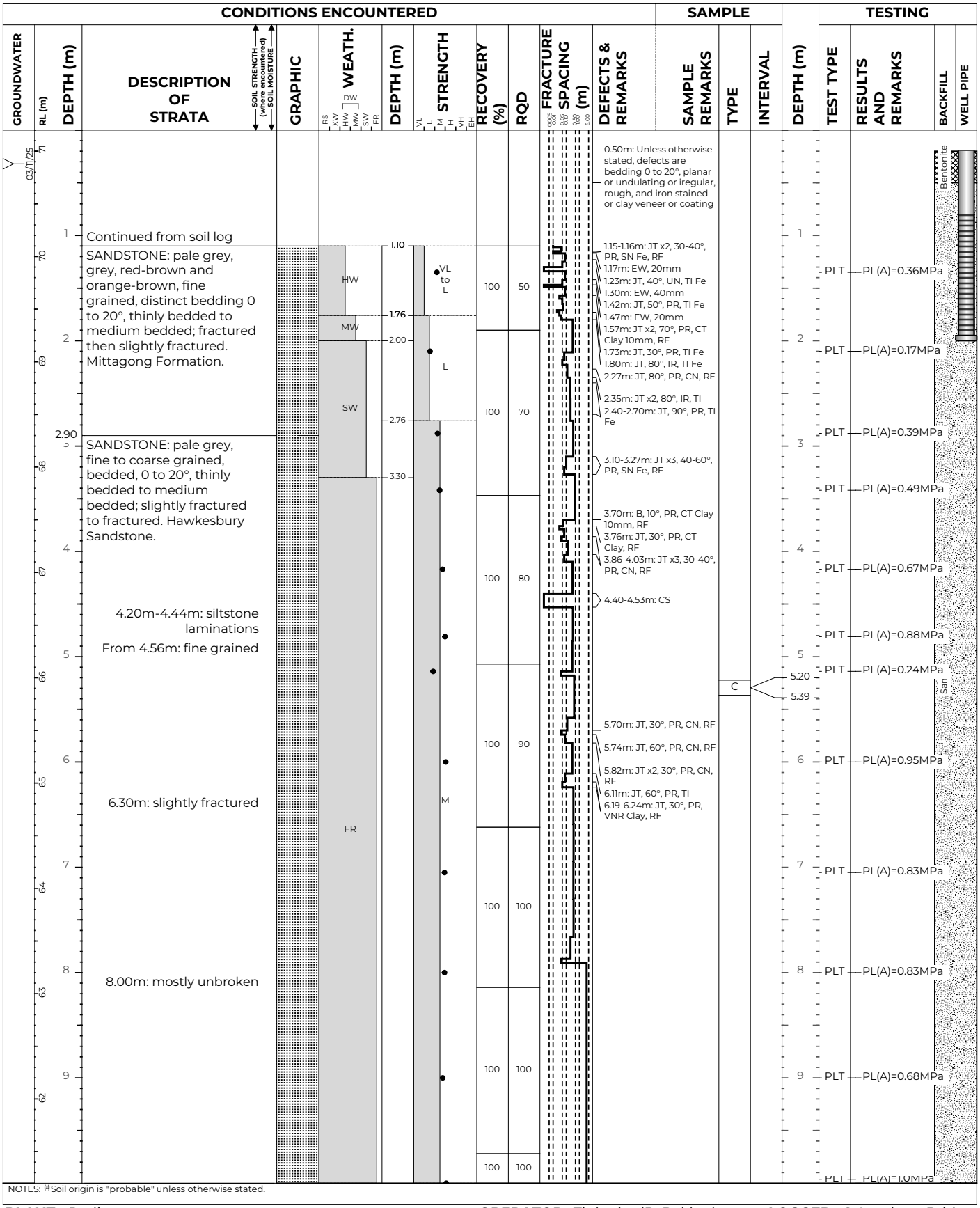
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332769.4, N:6256479.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH10
PROJECT No: 237003.00
DATE: 13/11/25
SHEET: 2 of 3



Generated with CORE-GS by Geroc - Split Soil-Rock Log

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: C. Lambert-Bridges
METHOD: DT to 0.12m, then HA to 0.53m, then WB to 1.1m, then NMLC to 14.35m
CASING: HQ to 1.1m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332769.4, N:6256479.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH10
PROJECT No: 237003.00
DATE: 13/11/25
SHEET: 3 of 3

Depth (m)	Description of Strata	Weath.	Strength	Recovery (%)	RQD	Defects & Remarks	Sample Type	Sample Depth	Test Type	Results and Remarks	Backfill
10.00	[CONT] SANDSTONE: pale grey, fine to coarse grained, distinctly bedded at 0 to 20°, thinly bedded to medium bedded; trace carbonaceous and siltstone laminations, mostly unbroken. Hawkesbury Sandstone. From 11.50m: siltstone bands and laminations. 11.40m-11.46m: microfaulting	FR	M; 13.00–13.50: H	100	100				PLT (11)	PL(A)=0.87MPa	Sand
				100	98	11.40-11.45m: SS; 11.49-11.75m: F, 70°, PR, CN, SM; 12.62m: JT, 30°, PR, CN, RF	C	12.41–12.61	PLT (12.41)	PL(A)=1.0MPa	
									PLT (12.61)	PL(A)=0.64MPa	
				100	100	13.69m: JT, 30°, PR, VNR Clay, RF			PLT	PL(A)=1.3MPa	
									PLT (14)	PL(A)=0.69MPa	
14.35	Borehole discontinued at 14.35m depth. Target Depth Reached.										

NOTES: [a]Soil origin is "probable" unless otherwise stated.

PLANT: Proline **OPERATOR:** Tightsite (B. Bakker) **LOGGED:** C. Lambert-Bridges
METHOD: DT to 0.12m, then HA to 0.53m, then WB to 1.1m, then NMLC to 14.35m **CASING:** HQ to 1.1m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Split Soil-Rock Log

Douglas PARTNERS

CORE PHOTO LOG

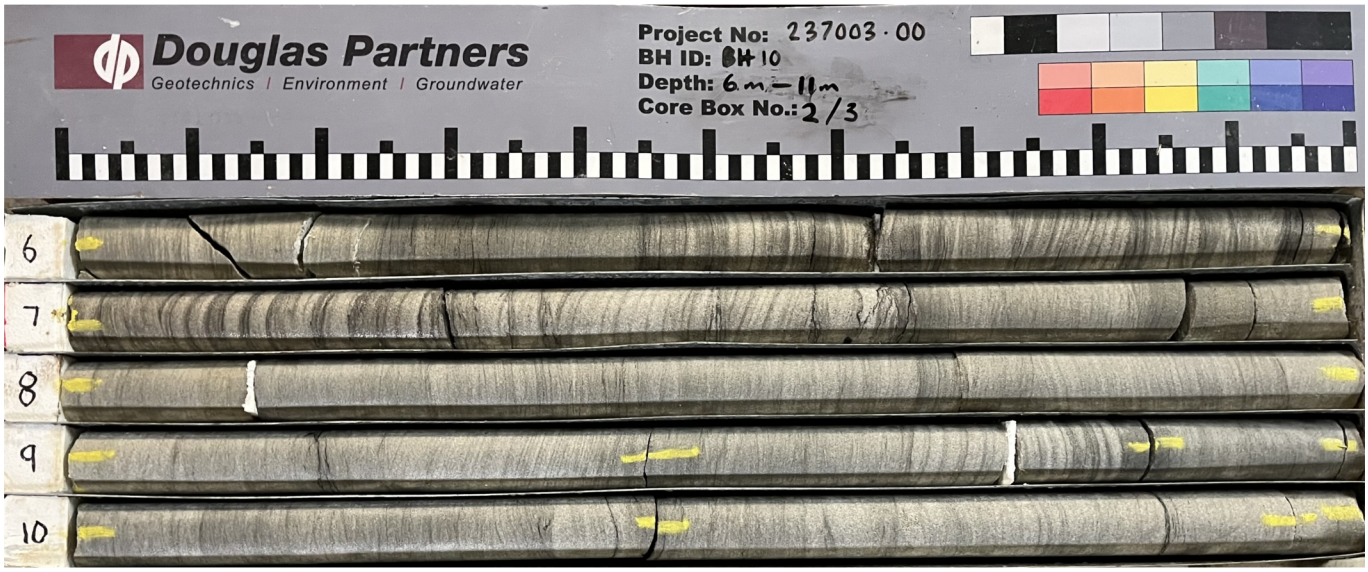
CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332769.4, N:6256479.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH10
PROJECT No: 237003.00
DATE: 13/11/25
SHEET: 1 of 2



1.10-6.00 m depth



6.00-11.00 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 71.2 AHD
COORDINATE: E:332769.4, N:6256479.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH10
PROJECT No: 237003.00
DATE: 13/11/25
SHEET: 2 of 2



11.00-14.35 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332792.7, N:6256449.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH11
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 1 of 3

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
10/11/25 No Free Groundwater Observed Whilst Augering		0.13	FILL / CONCRETE; 130mm thick; reinforced.		FILL	NA	NA		ES		0.12		
		0.30	FILL / GRAVEL with sand with cobbles: dark grey; medium to coarse, igneous; fine sand; igneous cobbles; (up to 80mm).		FILL	VC	NDF / M		D/ES / ES		0.30 / 0.40 / 0.50 / 0.70		
		0.80	FILL / SAND with clay with gravel: pale brown-grey; medium; fine to coarse, sandstone gravel.										
	73	1	CLAY (CI): red-brown mottled grey; medium plasticity.		RS	ND	ND				1		
		1.69	Continued as rock log										
	72	2									2		
	71	3									3		
	70	4									4		
	69	5									5		
	68	6									6		
	67	7									7		
	66	8									8		
	65	9									9		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 0.75m, then WB to 1.69m, then NMLC to 10.72m
CASING: HQ to 1.5m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

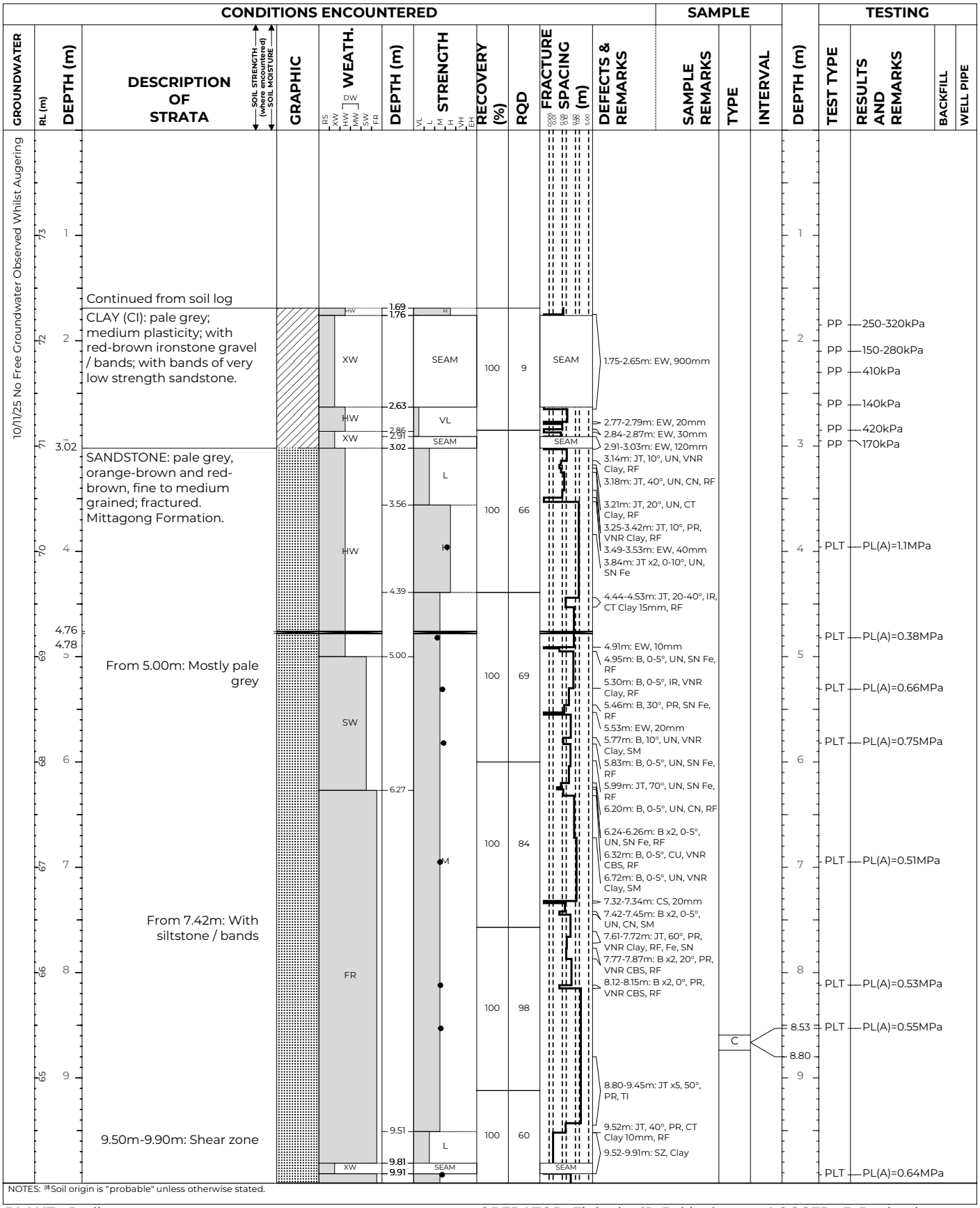
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332792.7, N:6256449.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH11
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 2 of 3



NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 0.75m, then WB to 1.69m, then NMLC to 10.72m
CASING: HQ to 1.5m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332792.7, N:6256449.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH11
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 3 of 3

CONDITIONS ENCOUNTERED														SAMPLE				TESTING			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA (SOIL STRENGTH (where encountered) / SOIL MOISTURE)	GRAPHIC	WEATH. (PS, XW, DW, HW, MW, SW, FR)	DEPTH (m)	STRENGTH (VL, L, M, H, VH, EH)	RECOVERY (%)	RQD	FRACTURE SPACING (m) (<0.06, 0.06-0.2, 0.2-0.6, 0.6-2, >2)	DEFECTS & REMARKS	SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
	10.00		[CONT] SANDSTONE: pale grey, orange-brown and red-brown, fine to medium grained; fractured. Mittagong Formation		FR		M	100	60		10.13m: JT, 30°, PR, VNR Clay, RF 10.20m: B, 10°, PR, VNR Clay, RF 10.31-10.40m: JT x2, 40°, PR, CN, SM					PLT	PL(A)=0.87MPa		
	63	11	10.10m-10.40m: Shear zone																
			Borehole discontinued at 10.72m depth. Target Depth Reached.																
	62	12																	
	61	13																	
	60	14																	
	59	15																	
	58	16																	
	57	17																	
	56	18																	
	55	19																	

NOTES: [a] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 0.75m, then WB to 1.69m, then NMLC to 10.72m
CASING: HQ to 1.5m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features.

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

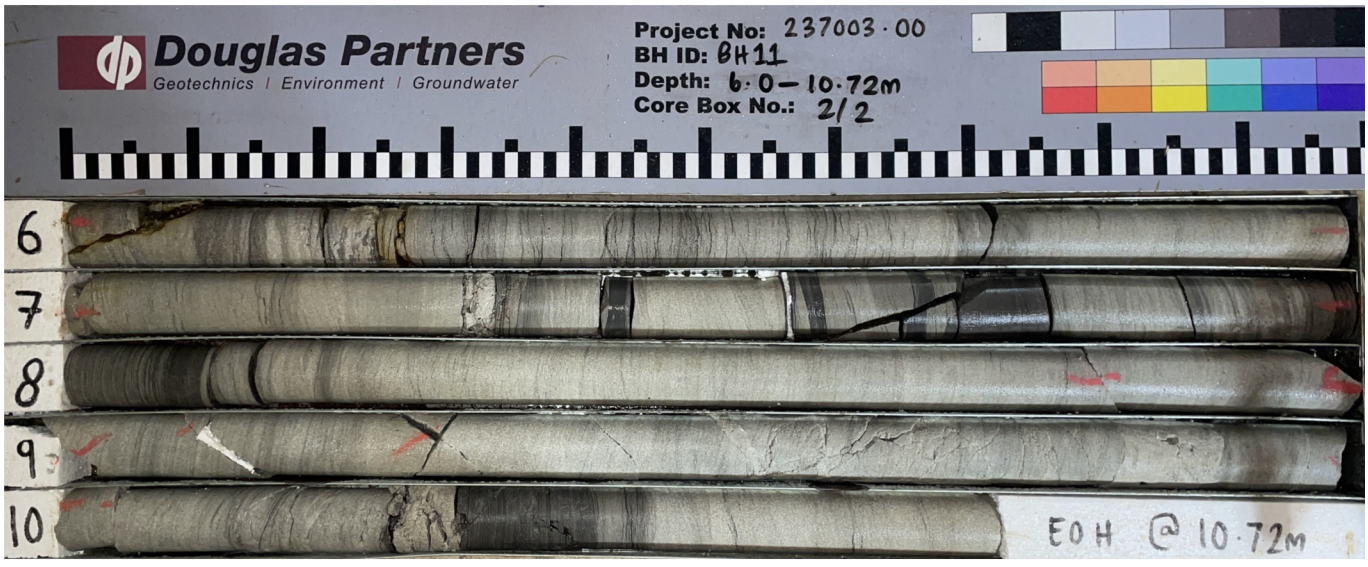
CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332792.7, N:6256449.5
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH11
PROJECT No: 237003.00
DATE: 10/11/25
SHEET: 1 of 1



1.69-6.00 m depth



6.00-10.72 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332772.7, N:6256445.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH12
PROJECT No: 237003.00
DATE: 11/11/25 - 12/11/25
SHEET: 1 of 2

CONDITIONS ENCOUNTERED								SAMPLE			TESTING AND REMARKS			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE
		0.13	FILL / CONCRETE; 130mm thick.		FILL	NA	NA								
		0.25	FILL / GRAVEL with sand: dark grey; coarse, igneous; with concrete fragments.		FILL		NDF								
		0.52	FILL / Gravelly SAND with clay: red-brown; fine to medium; fine to coarse, igneous and sandstone gravel; with concrete fragments, trace sandstone cobble.		FILL	VC	M		* D/ES		0.30 0.40	DCP9/150	5 10 15 25 25	Bentonite	
			Continued as rock log				NDF							Sand	
21/11/25	73	1									1				
	72	2									2				
	71	3									3				
	70	4									4				
	69	5									5				
	68	6									6				
	67	7									7			Bentonite	
	66	8									8				
	65	9									9				

NOTES: (#)Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 0.43m, then WB to 0.52m, then NMLC to 9.73m
CASING: HQ to 0.43m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features. Replicate sample *BD04111125 taken from 0.3-0.4m

Refer to explanatory notes for symbol and abbreviation definitions

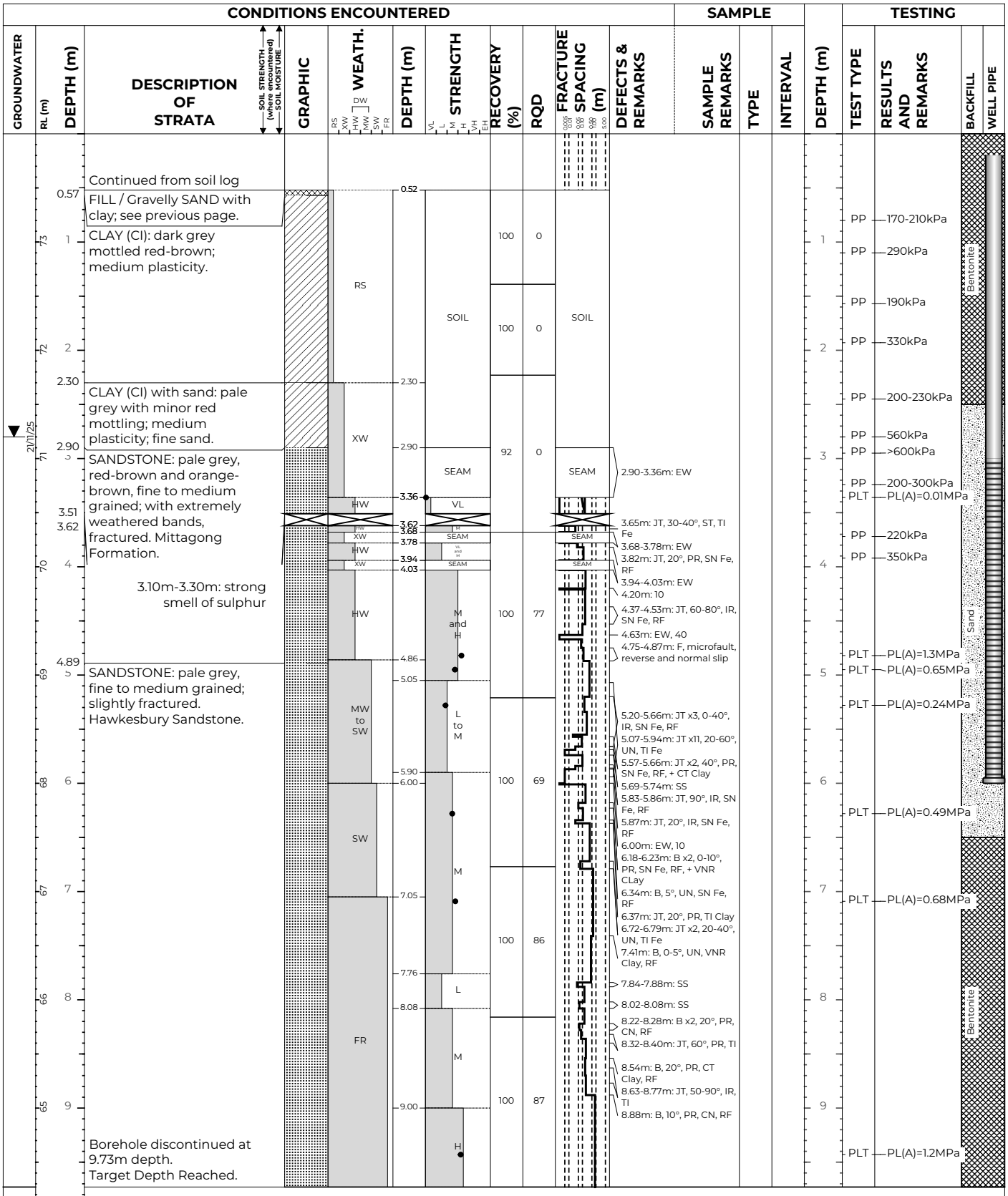
Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332772.7, N:6256445.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH12
PROJECT No: 237003.00
DATE: 11/11/25 - 12/11/25
SHEET: 2 of 2



NOTES: [#] Soil origin is "probable" unless otherwise stated.

PLANT: Proline
OPERATOR: Tightsite (B. Bakker)
LOGGED: E. Benjamin
METHOD: DT to 0.13m, then HA to 0.43m, then WB to 0.52m, then NMLC to 9.73m
CASING: HQ to 0.43m
REMARKS: Surface level taken from LTS drawing 52609 001DT and borehole location determined from site features. Replicate sample *BD04111125 taken from 0.3-0.4m

Refer to explanatory notes for symbol and abbreviation definitions

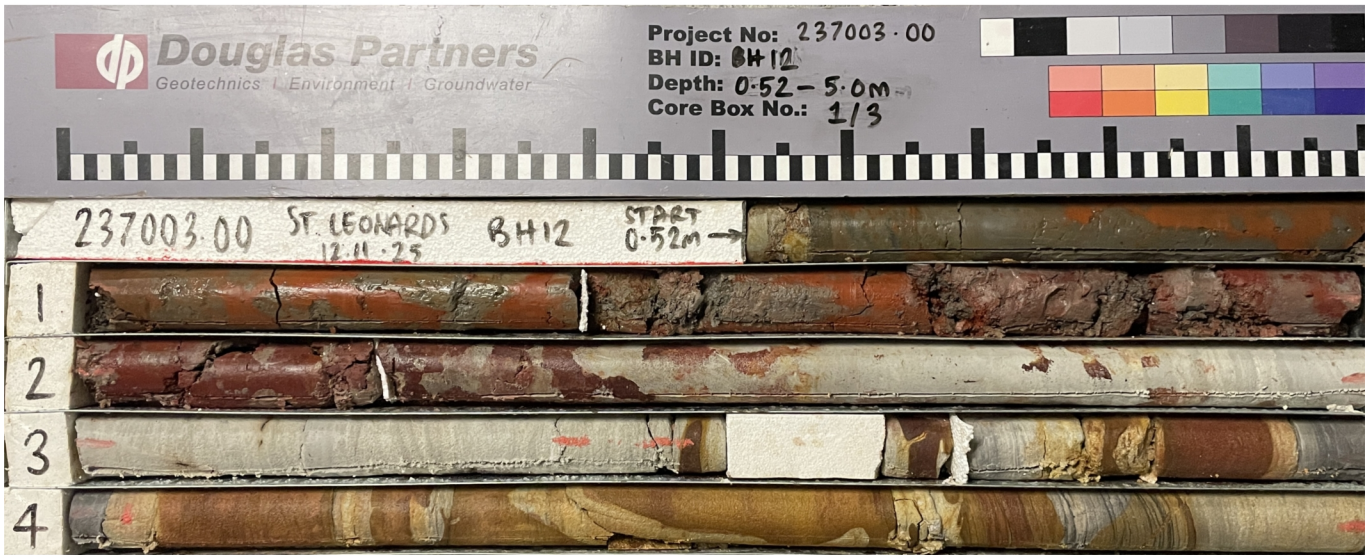
Generated with CORE-GS by Geroc - Split Soil-Rock Log

CORE PHOTO LOG

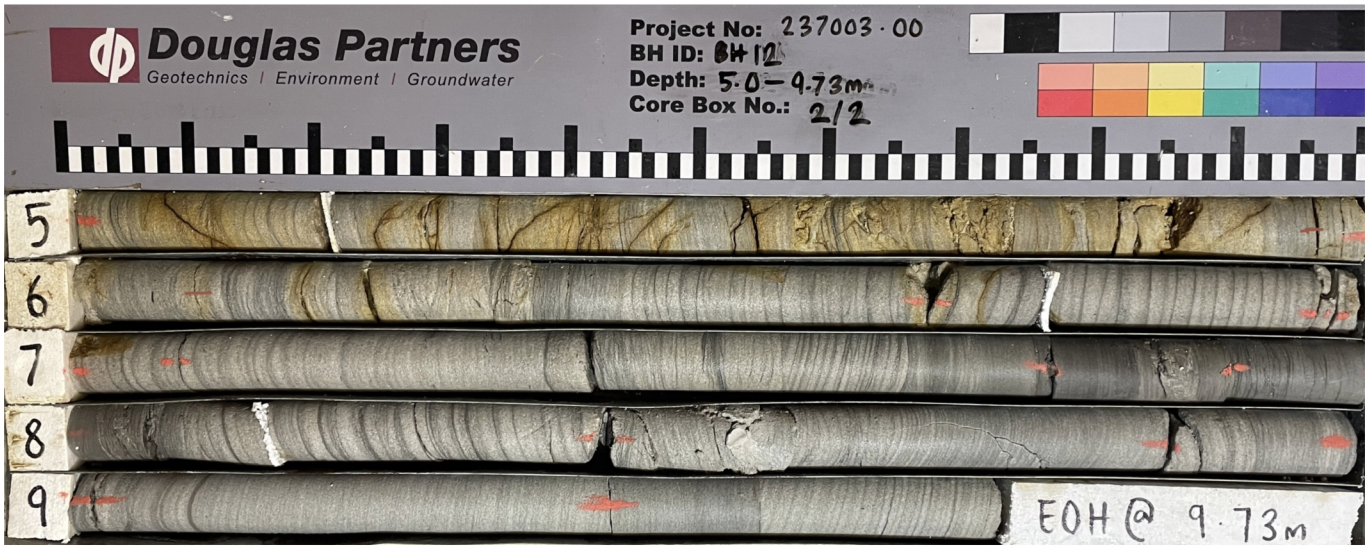
CLIENT: Aqualand St Leonard Development Pty Ltd
PROJECT: Proposed Mixed Use Development
LOCATION: 33 & 37 Herbert Street, St Leonards, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332772.7, N:6256445.3
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: BH12
PROJECT No: 237003.00
DATE: 11/11/25 - 12/11/25
SHEET: 1 of 1



0.52-5.00 m depth



5.00-9.73 m depth

Generated with CORE-GS by Geroc - Split Soil-Rock Log

BOREHOLE LOG

CLIENT: Aqualand Projects Pty Ltd
PROJECT: Propsoed Mixed Use Development
LOCATION: 33&37 Herbet Street, St Leonard, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332765.0, N:6256490.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: HA01
PROJECT No: 237003.02
DATE: 03/12/25
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
03/12/25 NFGWO		FILL / CONCRETE; 130mm thick.		FILL								
	0.13	FILL / Gravelly SAND: dark grey and brown; medium to coarse; igneous gravel.		FILL				ES		0.15	PID	<1ppm
	0.25	FILL / Gravelly SAND with clay: red-brown and brown; fine to coarse; igneous gravel; with sandstone cobbles.		FILL	ND	D		ES		0.25	PID	<1ppm
										0.35		
		Borehole discontinued at 0.60m depth. Hand auger refusal on gravel / cobbles.										

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hand tools
METHOD: Diacore to 0.13m, HA to 0.6m depth.
REMARKS: Surface levels taken from LTS drawing 52609 001DT and borehole location determine from site features. Replicate sample * BD1/251203 collected at 0.25-0.35m depth

OPERATOR: A1 Concrete
LOGGED: I. Riaz
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: Aqualand Projects Pty Ltd
PROJECT: Propsoed Mixed Use Development
LOCATION: 33&37 Herbet Street, St Leonard, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332775.0, N:6256455.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: HA02
PROJECT No: 237003.02
DATE: 03/12/25
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN[#]	CONSIS.[*] / DENSITY.[*]	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
03/12/25 NFGWO		FILL / CONCRETE; 130 mm thick.				NA						
	0.13	FILL / GRAVEL with sand: greay and brown; medium to coarse, igneous; fine to medium sand; trace rootlets.		FILL		D		ES		0.15	PID	<1ppm
	0.25	FILL / Sandy CLAY trace cobbles: red-brown; low to medium plasticity; sandstone cobbles; trace rootlets.		FILL	ND	w<PL		ES		0.25 0.30	PID	<1ppm
		Borehole discontinued at 0.50m depth. Hand auger refusal on gravel / cobbles.								0.40		

NOTES: [#] Soil origin is "probable" unless otherwise stated. [*] Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hand tools
METHOD: Diacore to 0.13m, HA to 0.5m depth.
REMARKS: Surface levels taken from LTS drawing 52609 001DT and borehole location determine from site features

OPERATOR: A1 Concrete

LOGGED: I. Riaz
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Douglas PARTNERS

Generated with CORE-GS by Geroc - Soil Log

BOREHOLE LOG

CLIENT: Aqualand Projects Pty Ltd
PROJECT: Propsoed Mixed Use Development
LOCATION: 33&37 Herbet Street, St Leonard, NSW

SURFACE LEVEL: 74.0 AHD
COORDINATE: E:332790.0, N:6256465.0
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: HA03
PROJECT No: 237003.02
DATE: 03/12/25
SHEET: 1 of 1

CONDITIONS ENCOUNTERED								SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m) / DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN(#)	CONSIS.(*) / DENSITY.(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
03/12/25 NFGWO		FILL / CONCRETE; 130 mm thick.				NA		ES			PID	<1ppm
	0.13	FILL / GRAVEL with sand: grey-brown; medium to coarse; fine to medium sand.		FILL	ND	M				0.25		
		Borehole discontinued at 0.35m depth. Hand auger refusal on gravel / cobbles.										

NOTES: (#)Soil origin is "probable" unless otherwise stated. (*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hand tools
METHOD: Diacore to 0.13m, HA to 0.55m depth.
REMARKS: Surface levels taken from LTS drawing 52609 001DT and borehole location determine from site features

OPERATOR: A1 Concrete

LOGGED: I. Riaz
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

Generated with CORE-GS by Geroc - Soil Log

Terminology, Symbols and Abbreviations

November 2023

Introduction to Terminology, Symbols and Abbreviations

Douglas Partners' reports, investigation logs, and other correspondence may use terminology which has quantitative or qualitative connotations. To remove ambiguity or uncertainty surrounding the use of such terms, the following sets of notes pages may be attached Douglas Partners' reports, depending on the work performed and conditions encountered:

- Soil Descriptions;
- Rock Descriptions; and
- Sampling, insitu testing, and drilling methodologies

In addition to these pages, the following notes generally apply to most documents.

Abbreviation Codes

Site conditions may also be presented in a number of different formats, such as investigation logs, field mapping, or as a written summary. In some of these formats textual or symbolic terminology may be presented using textual abbreviation codes or graphic symbols, and, where commonly used, these are listed alongside the terminology definition. For ease of identification in these note pages, textual codes are presented in these notes in the following style XW. Code usage conforms with the following guidelines:

- Textual codes are case insensitive, although herein they are generally presented in upper case; and
- Textual codes are contextual (i.e. the same or similar combinations of characters may be used in different contexts with different meanings (for example `PL` is used for plastic limit in the context of soil moisture condition, as well as in `PL(A)` for point load test result in the testing results column)).

Data Integrity Codes

Subsurface investigation data recorded by Douglas Partners is generally managed in a highly structured database environment, where records "span" between a top and bottom depth interval. Depth interval "gaps" between records are considered to introduce ambiguity, and, where appropriate, our practice guidelines may require contiguous data sets. Recording meaningful data is not always appropriate (for example assigning a "strength" to a concrete pavement) and the following codes may be used to maintain contiguity in such circumstances.

Term	Description	Abbreviation Code
Core loss	No core recovery	KL
Unknown	Information was not available to allow classification of the property. For example, when auguring in loose, saturated sand auger cuttings may not be returned.	UK
No data	Information required to allow classification of the property was not available. For example if drilling is commenced from the base of a hole predrilled by others	ND
Not Applicable	Derivation of the properties not appropriate or beyond the scope of the investigation. For example providing a description of the strength of a concrete pavement	NA

Graphic Symbols

Douglas Partners' logs contain a "graphic" column which provides a pictorial representation of the basic composition of the material. The symbols used are directly representing the material name stated in the adjacent "Description of Strata" column, and as such no specific graphic symbology legend has been provided in these notes.

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Soil Descriptions

Terminology
Symbols
Abbreviations

March 2024

Introduction

All materials which are not considered to be "in-situ rock" are described in general accordance with the soil description model of AS 1726-2017 Part 6.1.3, and can be broken down into the following description structure:



The "classification" comprises a two character "group symbol" providing a general summary of dominant soil characteristics. The "name" summarises the particle sizes within the soil which most influence its behaviour. The detailed description presents more information about composition, condition, structure, and origin of the soil.

Classification, naming and description of soils require the relative proportion of particles of different sizes within the whole soil mixture to be considered.

Particle size designation and Behaviour Model

Solid particles within a soil are differentiated on the basis of size.

The engineering behaviour properties of a soil can subsequently be modelled to be either "fine grained" (also known as "cohesive" behaviour) or "coarse grained" ("non cohesive" behaviour), depending on the relative proportion of fine or coarse fractions in the soil mixture.

Particle Size Designation	Particle Size (mm)	Behaviour Model	
		Behaviour	Approximate Dry Mass
Boulder	>200	Excluded from particle behaviour model as "oversize"	
Cobble	63 - 200		
Gravel[1]	2.36 - 63	Coarse	>65%
Sand[1]	0.075 - 2.36		
Silt	0.002 - 0.075	Fine	>35%
Clay	<0.002		

[1] – refer grain size subdivision descriptions below

The behaviour model boundaries defined above are not precise, and the material behaviour should be assumed from the name given to the material (which considers the particle fraction which dominates the behaviour, refer "component proportions" below), rather than strict observance of the proportions of particle sizes. For example, if a material is named a "Sandy CLAY", this is indicative that the material exhibits fine grained behaviour, even if the dry mass of coarse grained material may exceed 65%.

Component proportions

The relative proportion of the dry mass of each particle size fraction is assessed to be a "primary", "secondary", or "minor" component of the soil mixture, depending on its influence over the soil behaviour.

Component Proportion Designation	Definition[1]	Relative Proportion	
		In Fine Grained Soil	In Coarse Grained Soil
Primary	The component (particle size designation, refer above) which dominates the engineering behaviour of the soil	The clay/silt component with the greater proportion	The sand/gravel component with the greater proportion
Secondary	Any component which is not the primary, but is significant to the engineering properties of the soil	Any component with greater than 30% proportion	Any granular component with greater than 30%; or Any fine component with greater than 12%
Minor[2]	Present in the soil, but not significant to its engineering properties	All other components	All other components

[1] As defined in AS1726-2017 6.1.4.4

[2] In the detailed material description, minor components are split into two further sub-categories. Refer "identification of minor components" below.

Composite Materials

In certain situations, a lithology description may describe more than one material, for example, collectively describing a layer of interbedded sand and clay. In such a scenario, the two materials would be described independently, with the names preceded or followed by a statement describing the arrangement by which the materials co-exist. For example, "INTERBEDDED Silty CLAY AND SAND".

Soil Descriptions

Classification

The soil classification comprises a two character group symbol. The first character identifies the primary component. The second character identifies either the grading or presence of fines in a coarse grained soil, or the plasticity in a fine grained soil. Refer AS1726-2017 6.1.6 for further clarification.

Soil Name

For most soils, the name is derived with the primary component included as the noun (in upper case), preceded by any secondary components stated in an adjective form. In this way, the soil name also describes the general composition and indicates the dominant behaviour of the material.

Component [1]	Prominence in Soil Name
Primary	Noun (eg "CLAY")
Secondary	Adjective modifier (eg "Sandy")
Minor	No influence

[1] – for determination of component proportions, refer component proportions on previous page

For materials which cannot be disaggregated, or which are not comprised of rock or mineral fragments, the names "ORGANIC MATTER" or "ARTIFICIAL MATERIAL" may be used, in accordance with AS1726-2017 Table 14.

Commercial or colloquial names are not used for the soil name where a component derived name is possible (for example "Gravelly SAND" rather than "CRACKER DUST").

Materials of "fill" or "topsoil" origin are generally assigned a name derived from the primary/secondary component (where appropriate). In log descriptions this is preceded by uppercase "FILL" or "TOPSOIL". Origin uncertainty is indicated in the description by the characters (?), with the degree of uncertainty described (using the terms "probably" or "possibly" in the origin column, or at the end of the description).

Identification of minor components

Minor components are identified in the soil description immediately following the soil name. The minor component fraction is usually preceded with a term indicating the relative proportion of the component.

Minor Component Proportion Term	Relative Proportion	
	In Fine Grained Soil	In Coarse Grained Soil
With	All fractions: 15-30%	Clay/silt: 5-12% sand/gravel: 15-30%
Trace	All fractions: 0-15%	Clay/silt: 0-5% sand/gravel: 0-15%

The terms "with" and "trace" generally apply only to gravel or fine particle fractions. Where cobbles/boulders are encountered in minor proportions (generally less than about 12%) the term "occasional" may be used. This term describes the sporadic distribution of the material within the confines of the investigation excavation only, and there may be considerable variation in proportion over a wider area which is difficult to factually characterise due to the relative size of the particles and the investigation methods.

Soil Composition

Plasticity

Descriptive Term	Laboratory liquid limit range	
	Silt	Clay
Non-plastic materials	Not applicable	Not applicable
Low plasticity	≤50	≤35
Medium plasticity	Not applicable	>35 and ≤50
High plasticity	>50	>50

Note, Plasticity descriptions generally describe the plasticity behaviour of the whole of the fine grained soil, not individual fine grained fractions.

Grain Size

Type		Particle size (mm)
Gravel	Coarse	19 - 63
	Medium	6.7 - 19
	Fine	2.36 – 6.7
Sand	Coarse	0.6 - 2.36
	Medium	0.21 - 0.6
	Fine	0.075 - 0.21

Grading

Grading Term	Particle size (mm)
Well	A good representation of all particle sizes
Poorly	An excess or deficiency of particular sizes within the specified range
Uniformly	Essentially of one size
Gap	A deficiency of a particular size or size range within the total range

Note, AS1726-2017 provides terminology for additional attributes not listed here.

Soil Condition

Moisture

The moisture condition of soils is assessed relative to the plastic limit for fine grained soils, while for coarse grained soils it is assessed based on the appearance and feel of the material. The moisture condition of a material is considered to be independent of stratigraphy (although commonly these are related), and this data is presented in its own column on logs.

Applicability	Term	Tactile Assessment	Abbreviation code
Fine	Dry of plastic limit	Hard and friable or powdery	w<PL
	Near plastic limit	Can be moulded	w=PL
	Wet of plastic limit	Water residue remains on hands when handling	w>PL
	Near liquid limit	"oozes" when agitated	w=LL
	Wet of liquid limit	"oozes"	w>LL
Coarse	Dry	Non-cohesive and free running	D
	Moist	Feels cool, darkened in colour, particles may stick together	M
	Wet	Feels cool, darkened in colour, particles may stick together, free water forms when handling	W

The abbreviation code NDF, meaning "not-assessable due to drilling fluid use" may also be used.

Note, observations relating to free ground water or drilling fluids are provided independent of soil moisture condition.

Consistency/Density/Compaction/Cementation/Extremely Weathered Material

These concepts give an indication of how the material may respond to applied forces (when considered in conjunction with other attributes of the soil). This behaviour can vary independent of the composition of the material, and on logs these are described in an independent column and are generally mutually exclusive (i.e it is inappropriate to describe both consistency and compaction at the same time). The method by which the behaviour is described depends on the behaviour model and other characteristics of the soil as follows:

- In fine grained soils, the "consistency" describes the ease with which the soil can be remoulded, and is generally correlated against the materials undrained shear strength;
- In granular materials, the relative density describes how tightly packed the particles are, and is generally correlated against the density index;
- In anthropogenically modified materials, the compaction of the material is described qualitatively;
- In cemented soils (both natural and anthropogenic), the cemented "strength" is described qualitatively, relative to the difficulty with which the material is disaggregated; and
- In soils of extremely weathered material origin, the engineering behaviour may be governed by relic rock features, and expected behaviour needs to be assessed based the overall material description.

Quantitative engineering performance of these materials may be determined by laboratory testing or estimated by correlated field tests (for example penetration or shear vane testing). In some cases, performance may be assessed by tactile or other subjective methods, in which case investigation logs will show the estimated value enclosed in round brackets, for example (VS).

Consistency (fine grained soils)

Consistency Term	Tactile Assessment	Undrained Shear Strength (kPa)	Abbreviation Code
Very soft	Extrudes between fingers when squeezed	<12	VS
Soft	Mouldable with light finger pressure	>12 - ≤25	S
Firm	Mouldable with strong finger pressure	>25 - ≤50	F
Stiff	Cannot be moulded by fingers	>50 - ≤100	St
Very stiff	Indented by thumbnail	>100 - ≤200	VSt
Hard	Indented by thumbnail with difficulty	>200	H
Friable	Easily crumbled or broken into small pieces by hand	-	Fr

Relative Density (coarse grained soils)

Relative Density Term	Density Index	Abbreviation Code
Very loose	<15	VL
Loose	>15 - ≤35	L
Medium dense	>35 - ≤65	MD
Dense	>65 - ≤85	D
Very dense	>85	VD

Note, tactile assessment of relative density is difficult, and generally requires penetration testing, hence a tactile assessment guide is not provided.

Compaction (anthropogenically modified soil)

Compaction Term	Abbreviation Code
Well compacted	WC
Poorly compacted	PC
Moderately compacted	MC
Variably compacted	VC

Cementation (natural and anthropogenic)

Cementation Term	Abbreviation Code
Moderately cemented	MOD
Weakly cemented	WEK

Extremely Weathered Material

AS1726-2017 considers weathered material to be soil if the unconfined compressive strength is less than 0.6 MPa (i.e. less than very low strength rock). These materials may be identified as "extremely weathered material" in reports and by the abbreviation code XWM on log sheets. This identification is not correlated to any specific qualitative or quantitative behaviour, and the engineering properties of this material must therefore be assessed according to engineering principles with reference to any relic rock structure, fabric, or texture described in the description.

Soil Origin

Term	Description	Abbreviation Code
Residual	Derived from in-situ weathering of the underlying rock	RS
Extremely weathered material	Formed from in-situ weathering of geological formations. Has strength of less than 'very low' as per as1726 but retains the structure or fabric of the parent rock.	XWM
Alluvial	Deposited by streams and rivers	ALV
Fluvial	Deposited by channel fill and overbank (natural levee, crevasse splay or flood basin)	FLV
Estuarine	Deposited in coastal estuaries	EST
Marine	Deposited in a marine environment	MAR
Lacustrine	Deposited in freshwater lakes	LAC
Aeolian	Carried and deposited by wind	AEO
Colluvial	Soil and rock debris transported down slopes by gravity	COL
Slopewash	Thin layers of soil and rock debris gradually and slowly deposited by gravity and possibly water	SW
Topsoil	Mantle of surface soil, often with high levels of organic material	TOP
Fill	Any material which has been moved by man	FILL
Littoral	Deposited on the lake or seashore	LIT
Unidentifiable	Not able to be identified	UID

Cobbles and Boulders

The presence of particles considered to be "oversize" may be described using one of the following strategies:

- Oversize encountered in a minor proportion (when considered relative to the wider area) are noted in the soil description; or
- Where a significant proportion of oversize is encountered, the cobbles/boulders are described independent of the soil description, in a similar manner to composite soils (described above) but qualified with "MIXTURE OF".

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Rock Strength

Rock strength is defined by the unconfined compressive strength, and it refers to the strength of the rock substance and not the strength of the overall rock mass, which may be considerably weaker due to defects.

The Point Load Strength Index $I_{s(50)}$ is commonly used to provide an estimate of the rock strength and site specific correlations should be developed to allow UCS values to be determined. The point load strength test procedure is described by Australian Standard AS4133.4.1-2007. The terms used to describe rock strength are as follows:

Strength Term	Unconfined Compressive Strength (MPa)	Point Load Index[1] $I_{s(50)}$ MPa	Abbreviation Code
Very low	0.6 - 2	0.03 - 0.1	VL
Low	2 - 6	0.1 - 0.3	L
Medium	6 - 20	0.3 - 1.0	M
High	20 - 60	1 - 3	H
Very high	60 - 200	3 - 10	VH
Extremely high	>200	>10	EH

[1] Rock strength classification is based on UCS. The UCS to $I_{s(50)}$ ratio varies significantly for different rock types and specific ratios may be required for each site. The point load Index ranges shown above are as suggested in AS1726 and should not be relied upon without supporting evidence.

The following abbreviation codes are used for soil layers or seams of material "within rock" but for which the equivalent UCS strength is less than 0.6 MPa.

Scenario	Abbreviation Code
The material encountered has an equivalent UCS strength of less than 0.6 MPa, and therefore is considered to be soil (as per Note 1 of Table 20 of AS 1726-2017). The properties of the material encountered over this interval are described in the "Description of Strata" and soil properties columns.	SOIL
The material encountered has an equivalent UCS strength of less than 0.6 MPa, and therefore is considered to be soil (as per Note 1 of Table 20 of AS 1726-2017). The prominence of the material is such that it can be considered to be a seam (as defined in Table 22 of AS1726-2017) and the properties of the material are described in the defect column.	SEAM

Degree of Weathering

The degree of weathering of rock is classified as follows:

Weathering Term	Description	Abbreviation Code
Residual Soil[1]	Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are no longer visible, but the soil has not been significantly transported.	RS
Extremely weathered[1]	Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are still visible	XW
Highly weathered	The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable. Rock strength is significantly changed by weathering. Some primary minerals have weathered to clay minerals. Porosity may be increased by leaching or may be decreased due to deposition of weathering products in pores.	HW
Moderately weathered	The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable but shows little or no change of strength from fresh rock.	MW
Slightly weathered	Rock is partially discoloured with staining or bleaching along joints but shows little or no change of strength from fresh rock.	SW
Fresh	No signs of decomposition or staining.	FR
Note: If HW and MW cannot be differentiated use DW (see below)		
Distinctly weathered	Rock strength usually changed by weathering. The rock may be highly discoloured, usually by iron staining. Porosity may be increased by leaching or may be decreased due to deposition of weathered products in pores.	DW

[1] The parent rock type, of which the residual/extremely weathered material is a derivative, will be stated in the description (where discernible).

Degree of Alteration

The degree of alteration of the rock material (physical or chemical changes caused by hot gasses or liquids at depth) is classified as follows:

Term	Description	Abbreviation Code
Extremely altered	Material is altered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are still visible.	XA
Highly altered	The whole of the rock material is discoloured, usually by staining or bleaching to the extent that the colour of the original rock is not recognisable. Rock strength is changed by alteration. Some primary minerals are altered to clay minerals. Porosity may be increased by leaching or may be decreased due to precipitation of secondary materials in pores.	HA
Moderately altered	The whole of the rock material is discoloured, usually by staining or bleaching to the extent that the colour of the original rock is not recognisable but shows little or no change of strength from fresh rock.	MA
Slightly altered	Rock is slightly discoloured but shows little or no change of strength from fresh rock	SA
Note: If HA and MA cannot be differentiated use DA (see below)		
Distinctly altered	Rock strength usually changed by alteration. The rock may be highly discoloured, usually by staining or bleaching. Porosity may be increased by leaching or may be decreased due to precipitation of secondary minerals in pores.	DA

Degree of Fracturing

The following descriptive classification apply to the spacing of natural occurring fractures in the rock mass. It includes bedding plane partings, joints and other defects, but excludes drilling breaks. These terms are generally not required on investigation logs where fracture spacing is presented as a histogram, and where used are presented in an unabbreviated format.

Term	Description
Fragmented	Fragments of <20 mm
Highly Fractured	Core lengths of 20-40 mm with occasional fragments
Fractured	Core lengths of 30-100 mm with occasional shorter and longer sections
Slightly Fractured	Core lengths of 300 mm or longer with occasional sections of 100-300 mm
Unbroken	Core contains very few fractures

Rock Quality Designation

The quality of the cored rock can be measured using the Rock Quality Designation (RQD) index, defined as:

$$\text{RQD \%} = \frac{\text{cumulative length of 'sound' core sections > 100 mm long}}{\text{total drilled length of section being assessed}}$$

where 'sound' rock is assessed to be rock of low strength or stronger. The RQD applies only to natural fractures. If the core is broken by drilling or handling (i.e., drilling breaks) then the broken pieces are fitted back together and are not included in the calculation of RQD.

Stratification Spacing

These terms may be used to describe the spacing of bedding partings in sedimentary rocks. Where used, these terms are generally presented in an unabbreviated format

Term	Separation of Stratification Planes
Thinly laminated	< 6 mm
Laminated	6 mm to 20 mm
Very thinly bedded	20 mm to 60 mm
Thinly bedded	60 mm to 0.2 m
Medium bedded	0.2 m to 0.6 m
Thickly bedded	0.6 m to 2 m
Very thickly bedded	> 2 m

Defect Descriptions

Defect Type

Term	Abbreviation Code
Bedding plane	B
Cleavage	CL
Crushed seam	CS
Crushed zone	CZ
Drilling break	DB
Decomposed seam	DS
Drill lift	DL
Extremely Weathered seam	EW
Fault	F
Fracture	FC
Fragmented	FG
Handling break	HB
Infilled seam	IS
Joint	JT
Lamination	LAM
Shear seam	SS
Shear zone	SZ
Vein	VN
Mechanical break	MB
Parting	P
Sheared Surface	S

Rock Defect Orientation

Term	Abbreviation Code
Horizontal	H
Vertical	V
Sub-horizontal	SH
Sub-vertical	SV

Rock Defect Coating

Term	Abbreviation Code
Clean	CN
Coating	CT
Healed	HE
Infilled	INF
Stained	SN
Tight	TI
Veneer	VNR

Rock Defect Infill

Term	Abbreviation Code
Calcite	CA
Carbonaceous	CBS
Clay	CLAY
Iron oxide	FE
Manganese	MN
Pyrite	Py
Secondary material	MS
Silt	M
Quartz	Qz
Unidentified material	MU

Rock Defect Shape/Planarity

Term	Abbreviation Code
Curved	CU
Discontinuous	DIS
Irregular	IR
Planar	PR
Stepped	ST
Undulating	UN

Rock Defect Roughness

Term	Abbreviation Code
Polished	PO
Rough	RF
Smooth	SM
Slickensided	SL
Very rough	VR

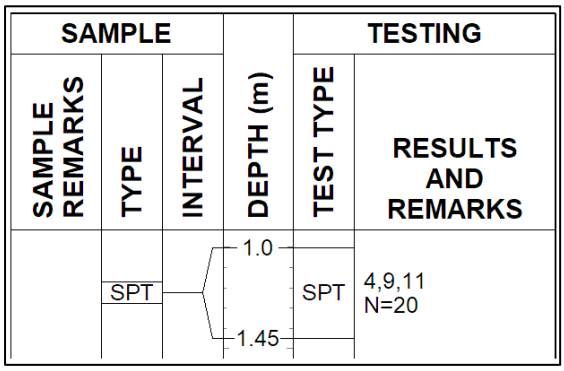
Defect Orientation

The inclination of defects is always measured from the perpendicular to the core axis.

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Sampling and Testing

A record of samples retained, and field testing performed is usually shown on a Douglas Partners' log with samples appearing to the left of a depth scale, and selected field and laboratory testing (including results, where relevant) appearing to the right of the scale, as illustrated below:



Sampling

The type or intended purpose for which a sample was taken is indicated by the following abbreviation codes.

Sample Type	Code
Auger sample	A
Acid Sulfate sample	ASS
Bulk sample	B
Core sample	C
Disturbed sample	D
Environmental sample	ES
Driven Tube sample	DT
Gas sample	G
Piston sample	P
Sample from SPT test	SPT
Undisturbed tube sample	U[1]
Water sample	W
Material Sample	MT
Core sample for unconfined compressive strength testing	UCS

[1] – numeric suffixes indicate tube diameter/width in mm

The above codes only indicate that a sample was retained, and not that testing was scheduled or performed.

Field and Laboratory Testing

A record that field and laboratory testing was performed is indicated by the following abbreviation codes.

Test Type	Code
Pocket penetrometer (kPa)	PP
Photo ionisation detector (ppm)	PID
Standard Penetration Test x/y =*x* blows for *y* mm penetration HB = hammer bouncing HW = fell under weight of hammer	SPT
Shear vane (kPa)	V
Unconfined compressive strength, (MPa)	UCS
Point load test, (MPa), axial (A), diametric (D), irregular (I)	PLT(_)
Dynamic cone penetrometer, followed by blow count penetration increment in mm (cone tip, generally in accordance with AS1289.6.3.2)	DCP9/150
Perth sand penetrometer, followed by blow count penetration increment in mm (flat tip, generally in accordance with AS1289.6.3.3)	PSP/150
Dynamic probe super heavy, followed by blow count penetration increment in mm	DPSH/100

Groundwater Observations

	water seepage/inflow
	water seepage/outflow
	standing or observed water level
NFGWO	no free groundwater observed
OBS	observations obscured by drilling fluids

Drilling or Excavation Methods/Tools

The drilling/excavation methods used to perform the investigation may be shown either in a dedicated column down the left-hand edge of the log, or stated in the log footer. In some circumstances abbreviation codes may be used.

Method	Abbreviation Code
Direct Push	DP
Solid flight auger. Suffixes: /T = tungsten carbide tip, /V = v-shaped tip	AD[1]
Air Track	AT
Diatube	DT[1]
Hand auger	HA[1]
Hand tools (unspecified)	HAND
Existing exposure	X
Hollow flight auger	HSA[1]
HQ coring	HQ3
HMLC series coring	HMLC
NMLC series coring	NMLC
NQ coring	NQ3
PQ coring	PQ3
Predrilled	PD
Push tube	PT[1]
Ripping tyne/ripper	R
Rock roller	RR[1]
Rock breaker/hydraulic hammer	EH
Sonic drilling	SON[1]
Mud/blade bucket	MB[1]
Toothed bucket	TB[1]
Vibrocore	VC[1]
Vacuum excavation	VE
Wash bore (unspecified bit type)	WB[1]

[1] – numeric suffixes indicate tool diameter/width in mm

Douglas PARTNERS

Landfill Gas Monitoring

Client:
Project:
Location:
Weather/ Site Conditions: sunny, clear
Well ID: BH01
Time: 9:38am

Date: 5/12/25
Project Number: 237007.02
Atmospheric Pressure Mb: 1007
Relative Borehole Pressure: 0.02
Sampler: NW
Flow or Concentration taken first? FLOW

Time (sec)	Concentration (% v/v)			H_2S (ppm)	CO (ppm)	Flow (l/hr)
	CH_4	CO_2	O_2			
Initial (0)	0.0	0.7	20.6	1	2	0.0
30	0.0	3.0	16.7	1	3	-0.1
60	0.0	2.0	18.0	1	2	-0.1
90	0.0	1.3	18.9	1	2	-0.1
120	0.0	1.0	19.2	1	2	-0.1
150	0.0	0.8	19.4	1	2	-0.1
180	0.0	0.7	19.5	1	2	-0.1
210	0.0	0.6	19.6	1	1	-0.1
240	0.0	0.6	19.7	1	1	-0.1
270	0.0	0.5	19.7	1	1	-0.1
300	0.0	0.4	19.7	1	1	-0.1
330						
360						
390						
420						
450						
480						
510						
540						
570						
600						

Client:
Project:
Location:
Weather/ Site Conditions: Sunny, clear
Well ID: BH05
Time: 10:00am

Date: 5/12/25
Project Number: 237007.02
Atmospheric Pressure Mb: 1007
Relative Borehole Pressure: 0.03
Sampler: NW
Flow or Concentration taken first? FLOW

	Time (sec)	Concentration (% v/v)			H_2S (ppm)	CO (ppm)	Flow (l/hr)
		CH_4	CO_2	O_2			
	Initial (0)	0.0	1.8	15.2	2	3	0.0
	30	0.0	1.7	10.1	2	3	0.0
1	60	0.0	2.0	9.1	2	3	0.0
	90	0.0	2.3	7.4	2	3	0.0
2	120	0.0	2.5	6.3	2	3	0.0
	150	0.0	2.5	6.0	2	3	0.0
3	180	0.0	2.6	5.8	2	3	0.0
	210	0.0	2.6	5.6	2	2	0.0
4	240	0.0	2.6	5.6	2	2	0.0
	270	0.0	2.7	5.5	2	2	0.0
5	300	0.0	2.7	5.4	2	2	0.0
	330	0.0	2.6	5.5	2	2	
6	360	0.0	2.6	5.5	2	2	
	390	0.0	2.5	5.6	2	2	
7	420	0.0	2.4	5.7	2	1	
	450	0.0	2.3	5.8	2	1	
8	480	0.0	2.3	5.9	2	1	
	510	0.0	2.2	6.0	2	1	
9	540	0.0	2.2	6.1	2	1	
	570	0.0	2.1	6.1	2	1	
10	600	0.0	2.1	6.2	2	1	

Douglas PARTNERS

Landfill Gas Monitoring

Client:
Project:
Location: 37 Harbert Street
Weather/ Site Conditions: clear, sunny
Well ID: BH5
Time: 10:20am

Date: 5/12/25
Project Number: 237003.02
Atmospheric Pressure Mb: 1007
Relative Borehole Pressure: - 0.02
Sampler: NW
Flow or Concentration taken first? Flow

	Time (sec)	Concentration (% v/v) CH_4	CO_2	O_2	H_2S (ppm)	CO (ppm)	Flow (l/hr)
	Initial (0)	0.0	0.3	16.5	1	2	0.0
	30	0.0	0.3	18.9	1	2	-0.1
1	60	0.0	0.4	18.9	1	2	-0.1
	90	0.0	0.4	18.7	1	2	-0.1
2	120	0.0	0.6	18.4	2	3	-0.1
	150	0.0	0.6	18.4	2	3	-0.1
3	180	0.0	0.7	18.3	2	3	-0.1
	210	0.0	0.8	18.1	2	3	-0.1
4	240	0.0	0.9	18.1	2	3	-0.1
	270	0.0	1.0	17.9	2	3	-0.1
5	300	0.0	1.1	17.8	2	3	-0.1
	330	0.0	1.3	17.7	2	3	
	360	0.0	1.5	17.5	2	3	
	390	0.0	1.7	17.3	2	4	
	420	0.0	2.0	17.0	2	4	
	450	0.0	2.3	16.7	2	4	
	480	0.0	2.6	16.4	2	4	
	510	0.0	2.9	16.1	2	4	
	540	0.0	3.3	15.8	2	4	
	570	0.0	3.6	15.5	2	4	
	600	0.0	3.9	15.3	2	4	

Client:
Project:
Location: 33 Herbert Street
Weather/ Site Conditions:
Well ID: BH10
Time: 6:35am

Date: 4/12/25
Project Number: 237003.02
Atmospheric Pressure Mb: 1012
Relative Borehole Pressure: - 0.93
Sampler: NW
Flow or Concentration taken first? Flow

Time (sec)	Concentration (% v/v) CH_4	CO_2	O_2	H_2S (ppm)	CO (ppm)	Flow (l/hr)
Initial (0)	0.0	0.1	20.5	1	3	0.0
30	0.0	0.1	20.4	1	5	0.0
60	Pump failed. Water colum to					0.0
90	shallow					0.0
120						0.2
150						0.2
180						0.2
210						0.2
240						0.3
270						0.3
300						0.3
330						0.3
360						0.3
390						0.4
420						0.4
450						0.4
480						0.4
510						0.4
540						0.4
570						0.4
600						0.4

Douglas PARTNERS

Landfill Gas Monitoring

Client:
Project:
Location: 33 Herbert Street
Weather/ Site Conditions: Clear, Sunny
Well ID: BH09
Time: 9:45

Date: 5/12/25
Project Number: 237093.02
Atmospheric Pressure Mb: 1007
Relative Borehole Pressure: 0.07
Sampler: NW
Flow or Concentration taken first? FLOW

Time (sec)	Concentration (% v/v)			H_2S (ppm)	CO (ppm)	Flow (l/hr)
	CH_4	CO_2	O_2			
Initial (0)	0.0	0.1	20.7	1	1	0.0
30	0.0	0.1	20.6	1	1	0.0
1 60	0.0	0.1	20.6	1	1	0.0
90	0.0	0.1	20.6	1	1	0.0
2 120	0.0	0.1	20.6	1	1	0.0
150	0.0	0.1	20.6	1	1	0.0
3 180	0.0	0.1	20.6	1	1	0.0
210	0.0	0.1	20.6	1	1	0.0
4 240	0.0	0.1	20.6	1	1	0.0
270	0.0	0.1	20.6	1	1	0.0
5 300	0.0	0.1	20.65	1	1	0.0
330						
360						
390						
420						
450						
480						
510						
540						
570						
600						

Client:
Project:
Location: 33 Herbert Street
Weather/ Site Conditions: Clear Sunny
Well ID: BH12
Time: 9:00am

Date: 5/12/25
Project Number: 237007.02
Atmospheric Pressure Mb: 1007
Relative Borehole Pressure: 0.02
Sampler: NW
Flow or Concentration taken first? FLOW

Time (sec)	Concentration (% v/v)			H_2S (ppm)	CO (ppm)	Flow (l/hr)
	CH_4	CO_2	O_2			
Initial (0)	0.0	0.1	20.6	1	1	0.1
30	0.0	0.4	20.3	1	2	0.2
1 60	0.0	0.2	20.4	1	1	0.2
90	0.0	0.2	20.5	1	1	0.2
2 120	0.0	0.1	20.5	1	1	0.2
150	0.0	0.1	20.5	1	1	0.2
3 180	0.0	0.1	20.5	1	1	0.2
210	0.0	0.1	20.5	1	1	0.2
4 240	0.0	0.1	20.5	1	1	0.2
270	0.0	0.1	20.5	1	1	0.2
5 300	0.0	0.1	20.5	1	1	0.2
330						
360						
390						
420						
450						
480						
510						
540						
570						
600						

Groundwater (GW) Field Sheet

Project and Bore Installation Details						
Project Name / Site Location					Project Number	237003.92
Well Construction Details	Well ID	BH01	Drilling Method		Hole Diameter (m)~	
	Well Depth (m bgl)		Screened (m bgl)		Stick Up (m)	
Survey Information	Easting		Northing		Elevation RL	
GW Level During Drilling		m bgl				
Contaminants/Comments						
*Estimated Well Volume = H * F	Std. Drilling Diameter (m)~	NMLC (0.075)	HQ (0.096)	PQ (0.1226)	SFA (0.125)	HFA (0.194)
**Purge Target: min. 3 well volumes	Factor (F):	2.8	3.7	5.2	5.4	11.1

Well Development Details					
Date / Time / Weather Conditions	8:09am 4/12/25 Sunny, clear			Purged By	MW
Purge Method / Equipment	Peri pump				
Product observed / Thickness	NIL	mm	Confirmed with Bailer? (Y / N)	N/ Interface	
GW Level (pre-purge)	6.65	m bgl	Observed Well Depth	11.82	m bgl
Height of Water Column (H)		m bgl	Estimated Bore Volume*		L
GW Level (post-purge)		m bgl	Total Volume Purged**		L
Appearance/Comments					

Sampling Details					
Date / Time / Weather Conditions	8:09am 4/12/25 Sunny, clear			Sampled By	MW
Sampling Method / Equipment	Peristaltic pump				
WQM Model	YSI Pro DSS		WQM Calibration Date		
Product observed / Thickness	NIL	mm	Confirmed with Bailer? (Y / N)	N/ Interface	
GW Level (pre-micropurge)	6.65	m bgl	Observed Well Depth	11.82	m bgl
Height of Water Column	5.17	m bgl	Estimated Bore Volume*	20-30	L
GW Level (post sample)	7.09	m bgl	Total Volume of Micro-Purged	3-5L	L

Water Quality Parameters

Time	Cumulative Volume (L)	Temp (°C)	DO (mg/L)#	EC (Circle: µS or mS/cm)	pH	Redox (mV) (AgCl Probe)	Turbidity^
Stabilisation Target (3 readings)		0.2	+/- 10%	+/- 5%	+/- 0.1	+/- 10 mV	+/- 10%
	8:18am	20.9	3.76	1567	6.47	103.5	519.52
	0.5	20.4	3.01	1598	6.59	105.3	545.12
	1.0	20.3	2.54	1591	6.63	106.4	499.31
	1.5	20.3	2.57	1581	6.63	106.8	490.58
	2.0	20.3	2.58	1576	6.63	107.3	480.61
	2.5	20.3	2.59	1573	6.63	107.9	470.13
	3.0	20.3	~~2.58~~ 2.70	1570	6.63	108.9	437.75
	3.5	20.3	2.71	1564	6.60	109.3	448.70
	4.0	20.3	2.71	1561	6.60	109.7	438.89
	4.5	20.3	2.72	1558	6.60	110.3	436.46
Notes:	# Considered stabilised if three DO values are less than 0.5 mg/L			^ Considered stabilised if three Turbidity values are less than 5 NTU			

Sample Details						
Sampling Depth (rationale)	8-10	m bgl,	Middle of water column			
Sample Observations (e.g. colour, sediment, sheen, odour)	clear no sheen, no odour					
Sample ID	BH01					
QAQC Samples	Replicate		Triplicate		Other	
Sample Containers Quantity (fill in quantity) Preservation (as shown) Filtration (Circle Filtered or UnFiltered)	Amber glass	✓	Plastic	✓	PFAS (no teflon)	
	Metals (F/UF) (HNO3)	✓	Phenols/COD/NH3 (H2SO4)	✓	Vials (HCl)	✓
	Ferrous/Ferric Iron (HCl)		Cyanides/Chromium (NaOH)		Other	
Comments						

Groundwater (GW) Field Sheet

Project and Bore Installation Details						
Project Name / Site Location					Project Number	237523.02
Well Construction Details	Well ID	BH06	Drilling Method		Hole Diameter (m)~	
	Well Depth (m bgl)		Screened (m bgl)		Stick Up (m)	
Survey Information	Easting		Northing		Elevation RL	
GW Level During Drilling		m bgl				
Contaminants/Comments						
*Estimated Well Volume = H * F	Std. Drilling Diameter (m)~	NMLC (0.075)	HQ (0.096)	PQ (0.1226)	SFA (0.125)	HFA (0.194)
**Purge Target: min. 3 well volumes	Factor (F):	2.8	3.7	5.2	5.4	11.1

Well Development Details					
Date / Time / Weather Conditions				Purged By	
Purge Method / Equipment					
Product observed / Thickness		mm	Confirmed with Bailer? (Y / N)		
GW Level (pre-purge)		m bgl	Observed Well Depth		m bgl
Height of Water Column (H)		m bgl	Estimated Bore Volume*		L
GW Level (post-purge)		m bgl	Total Volume Purged**		L
Appearance/Comments					

Sampling Details					
Date / Time / Weather Conditions	8:45am 4/11/25 Sunny Clear			Sampled By	MW
Sampling Method / Equipment	Peristaltic pump				
WQM Model	YSI Pro DSS		WQM Calibration Date		
Product observed / Thickness	NIL	mm	Confirmed with Bailer? (Y / N)	Nil interface	
GW Level (pre-micropurge)	6.51	m bgl	Observed Well Depth	11.94	m bgl
Height of Water Column	5.43	m bgl	Estimated Bore Volume*	25-35L	L
GW Level (post sample)	6.60	m bgl	Total Volume of Micro-Purged	3-5L	L

Water Quality Parameters

Time	Cumulative Volume (L)	Temp (°C)	DO (mg/L)#	EC (Circle: µS or mS/cm)	pH	Redox (mV) (AgCl Probe)	Turbidity^
Stabilisation Target (3 readings)		0.2	+/- 10%	+/- 5%	+/- 0.1	+/- 10 mV	+/- 10%
	8:49	22.6	4.92	1319	5.94	32.0	887.21
	0.5	21.5	4.78	1280	5.84	54.3	400.31
	1.0	21.1	4.83	2264	5.82	65.2	555.62
	1.5	21.1	4.93	1258	5.81	70.9	301.32
	2.0	21.0	5.03	1254	5.81	79.9	280.31
	2.5	21.0	5.02	1254	5.81	83.90	242.35
	3.0	21.0	5.01	1252	5.81	86.1	194.93
	3.5	21.0	5.01	1250	5.81	86.9	219.59
Notes:	# Considered stabilised if three DO values are less than 0.5 mg/L			^ Considered stabilised if three Turbidity values are less than 5 NTU			

Sample Details						
Sampling Depth (rationale)	8-10	m bgl,	Middle water column			
Sample Observations (e.g. colour, sediment, sheen, odour)	Clear, no sheen, no odour					
Sample ID	BH06					
QAQC Samples	Replicate		Triplicate		Other	
Sample Containers Quantity (fill in quantity) Preservation (as shown) Filtration (Circle Filtered or UnFiltered)	Amber glass	✓	Plastic	✓	PFAS (no teflon)	
	Metals (F/UF) (HNO3)	✓	Phenols/COD/NH3 (H2SO4)	✓	Vials (HCl)	✓
	Ferrous/Ferric Iron (HCl)		Cyanides/Chromium (NaOH)		Other	
Comments						

Groundwater (GW) Field Sheet

Project and Bore Installation Details						
Project Name / Site Location					Project Number	237003.02
Well Construction Details	Well ID	BH09	Drilling Method		Hole Diameter (m)~	
	Well Depth (m bgl)		Screened (m bgl)		Stick Up (m)	
Survey Information	Easting		Northing		Elevation RL	
GW Level During Drilling		m bgl				
Contaminants/Comments						
*Estimated Well Volume = H * F	Std. Drilling Diameter (m)~	NMLC (0.075)	HQ (0.096)	PQ (0.1226)	SFA (0.125)	HFA (0.194)
**Purge Target: min. 3 well volumes	Factor (F):	2.8	3.7	5.2	5.4	11.1

Well Development Details					
Date / Time / Weather Conditions				Purged By	
Purge Method / Equipment					
Product observed / Thickness		mm	Confirmed with Bailer? (Y / N)		
GW Level (pre-purge)		m bgl	Observed Well Depth		m bgl
Height of Water Column (H)		m bgl	Estimated Bore Volume*		L
GW Level (post-purge)		m bgl	Total Volume Purged**		L
Appearance/Comments					

Sampling Details					
Date / Time / Weather Conditions	4/12/25 Clear Sunny 7:30am			Sampled By	MW
Sampling Method / Equipment	Peristaltic pump				
WQM Model	~~YSI~~ Pro DSS		WQM Calibration Date		
Product observed / Thickness	NIL	mm	Confirmed with Bailer? (Y / N)	N/ Interface	
GW Level (pre-micropurge)	2.73	m bgl	Observed Well Depth	8.91	m bgl
Height of Water Column	6.18	m bgl	Estimated Bore Volume*	20-30L	L
GW Level (post sample)	3.01	m bgl	Total Volume of Micro-Purged	3-5L	L

Water Quality Parameters

Time	Cumulative Volume (L)	Temp (°C)	DO (mg/L)#	EC (Circle: µS or mS/cm)	pH	Redox (mV) (AgCl Probe)	Turbidity^
Stabilisation Target (3 readings)		0.2	+/- 10%	+/- 5%	+/- 0.1	+/- 10 mV	+/- 10%
	7:36	20.6	~~2.55~~ 1.31	1652	6.05	9.5	117.20
	0.5	20.3	1.96	1633	6.08	4.7	110.90
	1.0	20.2	0.88	1664	6.10	6.3	123.17
	1.5	20.2	0.70	1680	6.10	7.0	121.61
	2.0	20.2	0.57	1685	6.11	6.6	124.45
	2.5	20.1	0.51	1679	6.11	5.6	131.46
	3.0	20.1	0.49	1674	6.12	4.7	137.05
	3.5	20.1	0.48	1671	6.12	4.1	142.18
	4.0	20.1	0.48	1668	6.12	3.2	141.65
	4.5	20.1	0.47	1666	6.12	2.2	148.25

Notes: # Considered stabilised if three DO values are less than 0.5 mg/L ^ Considered stabilised if three Turbidity values are less than 5 NTU

Sample Details						
Sampling Depth (rationale)	4.6m	m bgl,	middle of Top of water column			
Sample Observations (e.g. colour, sediment, sheen, odour)	clear, no sheen, no odour					
Sample ID	BH09					
QAQC Samples	Replicate		Triplicate		Other	
Sample Containers Quantity (fill in quantity) Preservation (as shown) Filtration (Circle Filtered or UnFiltered)	Amber glass	✓	Plastic	✓	PFAS (no teflon)	
	Metals (F/UF) (HNO3)	✓	Phenols/COD/NH3 (H2SO4)	✓	Vials (HCl)	✓
	Ferrous/Ferric Iron (HCl)		Cyanides/Chromium (NaOH)		Other	
Comments						

Groundwater (GW) Field Sheet

Project and Bore Installation Details						
Project Name / Site Location					Project Number	237003.02
Well Construction Details	Well ID	BH12	Drilling Method		Hole Diameter (m)~	
	Well Depth (m bgl)		Screened (m bgl)		Stick Up (m)	
Survey Information	Easting		Northing		Elevation RL	
GW Level During Drilling		m bgl				
Contaminants/Comments						
*Estimated Well Volume = H * F	Std. Drilling Diameter (m)~	NMLC (0.075)	HQ (0.096)	PQ (0.1226)	SFA (0.125)	HFA (0.194)
**Purge Target: min. 3 well volumes	Factor (F):	2.8	3.7	5.2	5.4	11.1

Well Development Details					
Date / Time / Weather Conditions				Purged By	
Purge Method / Equipment					
Product observed / Thickness		mm	Confirmed with Bailer? (Y / N)		
GW Level (pre-purge)		m bgl	Observed Well Depth		m bgl
Height of Water Column (H)		m bgl	Estimated Bore Volume*		L
GW Level (post-purge)		m bgl	Total Volume Purged**		L
Appearance/Comments					

Sampling Details					
Date / Time / Weather Conditions	7:00am 4/12/25			Sampled By	MW
Sampling Method / Equipment	Peristaltic pump				
WQM Model	YSI Pro DSS		WQM Calibration Date		
Product observed / Thickness	NIL	mm	Confirmed with Bailer? (Y / N)	N Interface	
GW Level (pre-micropurge)	2.61	m bgl	Observed Well Depth	6.00	m bgl
Height of Water Column	3.39	m bgl	Estimated Bore Volume*	15-25L	L
GW Level (post sample)	3.~~4~~16	m bgl	Total Volume of Micro-Purged	3-5L	L

Water Quality Parameters

Time	Cumulative Volume (L)	Temp (°C)	DO (mg/L)#	EC (Circle µS or mS/cm)	pH	Redox (mV) (AgCl Probe)	Turbidity^
Stabilisation Target (3 readings)		0.2	+/- 10%	+/- 5%	+/- 0.1	+/- 10 mV	+/- 10%
	7:08am	20.0	1.83	1798	6.05	73.2	105.48
	0.5	19.9	0.83	1804	6.14	31.3	138.41
	1.0	19.9	0.60	1810	6.19	3.7	152.81
	1.5	19.8	0.45	1808	6.21	-19.7	186.1
	2.0	19.8	0.36	1805	6.22	-32.5	180.1
	2.5	19.8	0.36	1803	6.22	-36.6	242.1
	3.0	19.8	0.35	1800	6.22	-40.5	261.9
Notes:	# Considered stabilised if three DO values are less than 0.5 mg/L			^ Considered stabilised if three Turbidity values are less than 5 NTU			

Sample Details						
Sampling Depth (rationale)		m bgl,				
Sample Observations (e.g. colour, sediment, sheen, odour)	Clear, no sheen, slight sweet/egg odour					
Sample ID	BH12, BD/20825/204					
QAQC Samples	Replicate		Triplicate		Other	
Sample Containers	Amber glass	✓	Plastic	✓	PFAS (no teflon)	
Quantity (fill in quantity) Preservation (as shown) Filtration (Circle Filtered or UnFiltered)	Metals (F/UF) (HNO3)	✓	Phenols/COD/NH3 (H2SO4)	✓	Vials (HCl)	✓
	Ferrous/Ferric Iron (HCl)		Cyanides/Chromium (NaOH)		Other	
Comments						

Appendix G

Summary Results

Table G1 - Summary of laboratory results - soils

Sample ID	Depth	Soil description	Sampled date	Metals								TRH							BTEX			
				Arsenic	Cadmium	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc	TRH C6-C10	TRH >C10-C16	TRH F1 (C6-C10 minus BTEX)	TRH F2 (>C10-C16 minus naphthalene)	TRH F3 (>C16-C34)	TRH F4 (>C34-C40)	TRH >C10-C40 (sum)	Benzene	Toluene	Ethylbenzene	Xylene (Total)
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				4	0.4	1	1	1	0.1	1	1	25	50	25	50	100	100	50	0.2	0.5	1	1
HIL-B				500	150	500[1]	30,000	1,200	120	1,200	60,000	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Sand <1m				-	-	-	-	-	-	-	-	-	-	45	110	-	-	-	0.5	160	55	40
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	700	1,000	-	-	2,500	10,000	-	-	-	-	-
ESL-A-B-C Coarse				-	-	-	-	-	-	-	-	-	120	180	-	300	2,800	-	50	85	70	105
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL, Urban residential & public open space				100	-	410	85	1,100	-	170	250	-	-	-	-	-	-	-	-	-	-	-
BH01	0.15m - 0.2m	Fill	10/11/25	12	< 0.4	23	670	160	0.5	160	190	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH01	0.4m - 0.5m	Natural	10/11/25	< 4	< 0.4	5	28	13	< 0.1	4	7	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BD01101125	0.4m - 0.5m	Natural	10/11/25	< 4	< 0.4	5	27	13	< 0.1	4	6	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH02	0.13m - 0.2m	Fill	06/11/25	5	< 0.4	11	130	20	< 0.1	35	76	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH02 - [TRIPL	0.13m - 0.2m	Fill	06/11/25	< 4	< 0.4	7	51	7	< 0.1	17	44	-	-	-	-	-	-	-	-	-	-	-
BH03	0.13m - 0.2m	Fill	05/11/25	< 4	< 0.4	33	59	29	0.1	31	62	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH04	0.4m - 0.5m	Fill	10/11/25	< 4	< 0.4	11	20	67	< 0.1	8	89	< 25	< 50	< 25	< 50	990	460	1,500	< 0.2	< 0.5	< 1	< 1
BH04	1.3m - 1.5m	Fill	10/11/25	4	< 0.4	14	110	51	< 0.1	9	76	< 25	< 50	< 25	< 50	260	150	410	< 0.2	< 0.5	< 1	< 1
BD02100125	1.3m - 1.5m	Fill	10/11/25	< 4	< 0.4	10	34	39	< 0.1	7	48	< 25	< 50	< 25	< 50	130	< 100	130	< 0.2	< 0.5	< 1	< 1
BH04	2.3m - 2.5m	Natural	10/11/25	9	< 0.4	16	100	17	< 0.1	4	18	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH05	0.2m - 0.3m	Fill	11/11/25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05	0.3m - 0.5m	Fill	11/11/25	< 4	< 0.4	14	23	45	< 0.1	8	70	< 25	< 50	< 25	< 50	180	< 100	180	< 0.2	< 0.5	< 1	< 1
BH05	1.4m - 1.5m	Fill	11/11/25	< 4	< 0.4	16	41	54	0.2	14	73	< 25	< 50	< 25	< 50	170	120	290	< 0.2	< 0.5	< 1	< 1
BH05	1.8m - 2m	Fill	11/11/25	5	< 0.4	18	20	41	< 0.1	9	39	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH05	2.3m - 2.5m	Fill	11/11/25	6	< 0.4	17	16	17	< 0.1	4	11	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH05 - [TRIPL	1.8m - 2m	Fill	11/11/25	7	< 0.4	22	20	37	< 0.1	9	54	-	-	-	-	-	-	-	-	-	-	-
BH09	0.4m - 0.5m	Fill	11/11/25	7	< 0.4	16	12	18	< 0.1	4	17	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH09	1m - 1.1m	Fill	11/11/25	7	< 0.4	12	11	14	< 0.1	3	10	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH09	1.9m - 2m	Fill	11/11/25	34	< 0.4	14	23	25	< 0.1	5	38	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BH11	0.5m - 0.7m	Fill	10/11/25	5	< 0.4	18	9	12	< 0.1	19	22	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
HA01	0.15m - 0.25m	Fill	03/12/25	< 4	< 0.4	9	54	9	< 0.1	69	39	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
BD1	0.25m - 0.35m	Fill	03/12/25	< 4	< 0.4	7	23	15	< 0.1	26	25	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
HA01	0.25m - 0.35m	Fill	03/12/25	< 4	< 0.4	6	21	18	< 0.1	21	38	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
HA02	0.15m - 0.25m	Fill	03/12/25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA02	0.3m - 0.4m	Fill	03/12/25	4	< 0.4	10	26	28	< 0.1	18	30	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1
HA03	0.15m - 0.25m	Fill	03/12/25	< 4	< 0.4	7	61	6	< 0.1	69	34	< 25	< 50	< 25	< 50	< 100	< 100	< 50	< 0.2	< 0.5	< 1	< 1

Table Notes:

This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details
Results displayed in grey text recorded below the laboratory practical quantitation limit (PQL)
Cream shading indicates results with PQL above one or more assessment criteria

EIL - ecological investigation level
EGV - ecological guideline level
ESL - ecological screening level

HIL - health investigatior
HSL - health screening le
ML - management limit

Table G1 - Summary of laboratory results - soils

Sample ID	Depth	Soil description	Sampled date	PAH				Phenols	PCB	OCP						OPP	PFAS					Asbestos	
				Benzo(a)pyrene	Naphthalene	Benzo(a)pyrene TEQ (PQL)	Total PAH (sum of analysed)	Phenolics (Total)(as phenol)	PCB (Total)	Total Positive OCP	Chlordane (cis)	Chlordane (trans)	Heptachlor	Heptachlor epoxide	Total Positive OPP	Perfluorooctane sulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Asbestos ID	FA and AF Estimation*#2
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	% w/w
			PQL	0.05	0.1	0.5	0.05	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0001	0.0001	0.0001	0.0001	0.0001		0.001
HIL-B				-	-	4	400	-	1	-	-	-	10	-	-	2	20	2	2	-	-	0.001
HSL-A & B Sand <1m				-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Coarse				0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	1	10	-	-	-	-	-
EIL, Urban residential & public open space				-	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01	0.15m - 0.2m	Fill	10/11/25	< 0.05	< 0.1	< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BH01	0.4m - 0.5m	Natural	10/11/25	< 0.05	< 0.1	< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD01101125	0.4m - 0.5m	Natural	10/11/25	< 0.05	< 0.1	< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02	0.13m - 0.2m	Fill	06/11/25	< 0.05	< 0.1	< 0.5	< 0.05	< 5	< 0.1	4.8	0.7	3.2	0.6	0.3	<PQL	-	-	-	-	-	NAD	-
BH02 - [TRIPL	0.13m - 0.2m	Fill	06/11/25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03	0.13m - 0.2m	Fill	05/11/25	1	< 0.1	1.4	7.4	-	-	-	-	-	-	-	-	0.0015	0.0006	0.0005	0.0019	0.0025	-	-
BH04	0.4m - 0.5m	Fill	10/11/25	2.2	< 0.1	3.1	17	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	0.0001	< 0.0001	< 0.0001	0.0001	0.0001	NAD	-
BH04	1.3m - 1.5m	Fill	10/11/25	2.8	< 0.1	3.9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BD02101125	1.3m - 1.5m	Fill	10/11/25	1.4	< 0.1	1.9	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04	2.3m - 2.5m	Natural	10/11/25	0.2	< 0.1	< 0.5	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05	0.2m - 0.3m	Fill	11/11/25	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-
BH05	0.3m - 0.5m	Fill	11/11/25	1.5	< 0.1	2.1	12	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	-	-	NAD	-
BH05	1.4m - 1.5m	Fill	11/11/25	3.2	< 0.1	4.5	31	-	-	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BH05	1.8m - 2m	Fill	11/11/25	0.3	< 0.1	0.5	3.2	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	0.0004	< 0.0001	< 0.0001	0.0004	0.0004	NAD	-
BH05	2.3m - 2.5m	Fill	11/11/25	0.2	< 0.1	< 0.5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05 - [TRIPL	1.8m - 2m	Fill	11/11/25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09	0.4m - 0.5m	Fill	11/11/25	< 0.05	< 0.1	< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BH09	1m - 1.1m	Fill	11/11/25	< 0.05	< 0.1	< 0.5	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	-	-	NAD	-
BH09	1.9m - 2m	Fill	11/11/25	< 0.05	< 0.1	< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BH11	0.5m - 0.7m	Fill	10/11/25	< 0.05	< 0.1	< 0.5	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NAD	-
HA01	0.15m - 0.25m	Fill	03/12/25	< 0.05	< 0.1	< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BD1	0.25m - 0.35m	Fill	03/12/25	< 0.05	< 0.1	< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA01	0.25m - 0.35m	Fill	03/12/25	< 0.05	< 0.1	< 0.5	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	-	-	NAD	< 0.001
HA02	0.15m - 0.25m	Fill	03/12/25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NAD	< 0.001
HA02	0.3m - 0.4m	Fill	03/12/25	< 0.05	< 0.1	< 0.5	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	-	-	NAD	-
HA03	0.15m - 0.25m	Fill	03/12/25	< 0.05	< 0.1	< 0.5	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	-	-	NAD	< 0.001

Table Notes:

This table does not represent the full analytical re
Results displayed in grey text recorded below the
Cream shading indicates results with PQL above
Field duplicate is below primary sample

HIL - health investigation level
HSL - health screening level
ML - management limit

EIL - ecological investigation level
EGV - ecological guideline level
ESL - ecological screening level

HIL - health investigation level
HSL - health screening level
ML - management limit

Table G2: Summary of laboratory results - waste classification

Sample ID	Depth	Sampled date	Soil description	Metals						TRH		BTEXN (all)				PAH		Phenols	PCB	OCP					OPP	PFAS			Asbestos	
				Arsenic	Cadmium	Chromium (Total)	Lead	Mercury	Nickel	TRH C6-C9	TRH C10-C36 (sum)	Benzene	Toluene	Ethylbenzene	Xylene (Total)	Benzo(a)pyrene	Total PAH (sum of analysed)	Phenolics (Total)(as phenol)	PCB (Total)	Total positive OCP	Chlordane (cis)	Chlordane (trans)	Heptachlor	Heptachlor epoxide	Total Positive OPP	Perfluorooctanoic acid (PFOA)	Sum of PFHxS and PFOS	Sum of PFAS	Asbestos ID	FA and AF Estimation
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	% w/w
PQL				4	0.4	1	1	0.1	1	25	50	0.2	0.5	1	1	0.05	0.05	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0001	0.0001	0.0001		0.001
General solid waste (CT1)				100	20	100[1]	100	4	40	650	10,000	10	288	600	1,000	0.8	200	288	50	-	-	-	-	-	-	-	-	-	-	-
General solid waste (SCC1)				500	100	1,900[1]	1,500	50	1,050	650	10,000	18	518	1,080	1,800	10	200	518	50	-	-	-	-	-	-	18	1.8	-	-	-
General solid waste (TCLP1)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Restricted solid waste (CT2)				400	80	400[1]	400	16	160	2,600	40,000	40	1,152	2,400	4,000	3.2	800	1,152	50	-	-	-	-	-	-	-	-	-	-	-
Restricted solid waste (SCC2)				2,000	400	7,600[1]	6,000	200	4,200	2,600	40,000	72	2,073	4,320	7,200	23	800	2,073	50	-	-	-	-	-	-	72	7.2	-	-	-
Restricted solid waste (TCLP2)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01	0.15m - 0.2m	10/11/25	Fill	12	< 0.4	23	160	0.5	160	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BH01	0.4m - 0.5m	10/11/25	Natural	< 4	< 0.4	5	13	< 0.1	4	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
BD01101125	0.4m - 0.5m	10/11/25	Natural	< 4	< 0.4	5	13	< 0.1	4	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02	0.13m - 0.2m	06/11/25	Fill	5	< 0.4	11	20	< 0.1	35	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	< 5	< 0.1	**4.8**	0.7	3.2	0.6	0.3	<PQL	-	-	-	NAD	-
BH02 - [TRIPLICATE]	0.13m - 0.2m	06/11/25	Fill	< 4	< 0.4	7	7	< 0.1	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03	0.13m - 0.2m	05/11/25	Fill	< 4	< 0.4	33	29	0.1	31	< 25	< 50	< 0.2	< 0.5	< 1	< 1	1	7.4	-	-	-	-	-	-	-	-	0.0006	0.0019	0.0025	-	-
BH04	0.4m - 0.5m	10/11/25	Fill	< 4	< 0.4	11	67	< 0.1	8	< 25	1,200	< 0.2	< 0.5	< 1	< 1	2.2	17	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	< 0.0001	0.0001	0.0001	NAD	-
BH04	1.3m - 1.5m	10/11/25	Fill	4	< 0.4	14	51	< 0.1	9	< 25	330	< 0.2	< 0.5	< 1	< 1	2.8	22	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BD02100125	1.3m - 1.5m	10/11/25	Fill	< 4	< 0.4	10	39	< 0.1	7	< 25	100	< 0.2	< 0.5	< 1	< 1	1.4	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04	2.3m - 2.5m	10/11/25	Natural	9	< 0.4	16	17	< 0.1	4	< 25	< 50	< 0.2	< 0.5	< 1	< 1	0.2	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05	0.2m - 0.3m	11/11/25	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001	< 0.0001	< 0.0001	-	-
BH05	0.3m - 0.5m	11/11/25	Fill	< 4	< 0.4	14	45	< 0.1	8	< 25	220	< 0.2	< 0.5	< 1	< 1	1.5	12	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	NAD	-
BH05	1.4m - 1.5m	11/11/25	Fill	< 4	< 0.4	16	54	0.2	14	< 25	130	< 0.2	< 0.5	< 1	< 1	3.2	31	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BH05	1.8m - 2m	11/11/25	Fill	5	< 0.4	18	41	< 0.1	9	< 25	< 50	< 0.2	< 0.5	< 1	< 1	0.3	3.2	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	< 0.0001	0.0004	0.0004	NAD	-
BH05	2.3m - 2.5m	11/11/25	Fill	6	< 0.4	17	17	< 0.1	4	< 25	< 50	< 0.2	< 0.5	< 1	< 1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05 - [TRIPLICATE]	1.8m - 2m	11/11/25	Fill	7	< 0.4	22	37	< 0.1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09	0.4m - 0.5m	11/11/25	Fill	7	< 0.4	16	18	< 0.1	4	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BH09	1m - 1.1m	11/11/25	Fill	7	< 0.4	12	14	< 0.1	3	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	NAD	-
BH09	1.9m - 2m	11/11/25	Fill	34	< 0.4	14	25	< 0.1	5	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BH11	0.5m - 0.7m	10/11/25	Fill	5	< 0.4	18	12	< 0.1	19	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	< 0.0001	< 0.0001	< 0.0001	NAD	-
HA01	0.15m - 0.25m	03/12/25	Fill	< 4	< 0.4	9	9	< 0.1	69	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-	NAD	-
BD1	0.25m - 0.35m	03/12/25	Fill	< 4	< 0.4	7	15	< 0.1	26	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
HA01	0.25m - 0.35m	03/12/25	Fill	< 4	< 0.4	6	18	< 0.1	21	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	NAD	< 0.001
HA02	0.15m - 0.25m	03/12/25	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NAD	< 0.001
HA02	0.3m - 0.4m	03/12/25	Fill	4	< 0.4	10	28	< 0.1	18	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	NAD	-
HA03	0.15m - 0.25m	03/12/25	Fill	< 4	< 0.4	7	6	< 0.1	69	< 25	< 50	< 0.2	< 0.5	< 1	< 1	< 0.05	< 0.05	< 5	< 0.1	<PQL	< 0.1	< 0.1	< 0.1	< 0.1	<PQL	-	-	-	NAD	< 0.001

Notes:

This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details
Results displayed in grey text recorded below the laboratory practical quantitation limit (PQL)
Cream shading indicates results with PQL above one or more assessment criteria
CT - contaminant threshold
PQL - laboratory practical quantitation limit
SCC - specific contaminant concentration
TCLP - Toxicity characteristic leaching procedure
[1]Total chromium used as initial screen for chromium(VI)

Table G3: Summary of laboratory results - groundwater

Sample ID	Depth	Sampled date	Metals								TRH							BTEXN				
			Arsenic	Cadmium	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc	TRH C6-C10	TRH >C10-C16	TRH F1 (C6-C10 minus BTEX)	TRH F2 (>C10-C16 minus naphthalene)	TRH F3 (>C16-C34)	TRH F4 (>C34-C40)	TRH >C10-C40 (sum)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Total or filtered			F	F	F	F	F	F	F	F	T	T	T	T	T	T	T	T	T	T	T	T
PQL			1	0.1	1	1	1	0.05	1	1	10	50	10	50	100	100	50	1	1	1	1	2
HSL-A & B Sand 2m - 4m			-	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	800	NL	NL	-	-
DGV, Freshwater - 95% / 99% LOP			13[3]	0.2	1[4]	1.4	3.4	0.06	11	8	-	-	-	-	-	-	-	950	180	80	350	75[1]
BH01		04/12/25	6	< 0.1	< 1	< 1	< 1	< 0.05	16	21	< 10	< 50	< 10	< 50	< 100	< 100	< 50	< 1	< 1	< 1	< 1	< 2
BH06		04/12/25	< 1	0.2	< 1	< 1	< 1	< 0.05	14	47	< 10	< 50	< 10	< 50	< 100	< 100	< 50	< 1	< 1	< 1	< 1	< 2
BH09		04/12/25	< 1	< 0.1	< 1	< 1	< 1	< 0.05	8	5	< 10	< 50	< 10	< 50	< 100	< 100	< 50	< 1	< 1	< 1	< 1	< 2
BH12		04/12/25	1	< 0.1	< 1	< 1	< 1	< 0.05	5	2	< 10	< 50	< 10	< 50	130	< 100	130	< 1	< 1	< 1	< 1	< 2
BD1/20251204		04/12/25	< 1	< 0.1	< 1	< 1	< 1	< 0.05	6	2	< 10	110	< 10	110	620	< 100	740	-	< 1	< 1	< 1	< 2

Notes:
This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details
Results displayed in grey text were recorded below the laboratory practical quantitation limit (PQL)
Cream shading indicates results with PQL above one or more assessment criteria
ADWG – Australian drinking water guidelines
DGV – default guideline value
HSL – health screening level
IMW – intrusive maintenance worker
LOP – level of protection of species
PQL – practical quantitation limit
[1]Criteria for xylene (m) used as a conservative screen for total xylenes
[2]Unknown LOP
[3]Criteria for arsenic V used as a conservative screen for total arsenic
[4]DGV for chromium (VI) adopted as a conservative screen for total chromium. DGV of unknown reliability / LOP for chromium (III) is 3.3 ug/L
[5]Value for nitrate in soft water (< 30 mg/L CaCO3)

Table G3: Summary of laboratory results - groundwater

Sample ID	Depth	Sampled date	PAH			Phenols	PCB	OCP	OPP	VOC	Physiochemical paramet		Anions and cations									
			Naphthalene	Phenanthrene	Total PAH (sum of analysed)	Phenolics (Total)(as phenol)	Total positive PCB	Total positive OCP	Total Positive OPP	Total Positive VOC	Total Dissolved Solids	Total Suspended Solids	Hardness	Calcium	Potassium	Sodium	Magnesium	Alkalinity (Carbonate as CaCO3)	Chloride	Alkalinity (total as CaCO3)	Alkalinity (Hydroxide as CaCO3)	Alkalinity (Bicarbonate as CaCO3)
Units			µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total or filtered			T	T	T	T	T	T	T	T	T	T	F	F	F	F	F	T	T	T	T	T
PQL			0.1	0.1	0.1	0.05	0.01	0.001	0.02	1	5	5	3	0.5	0.5	0.5	0.5	5	1	5	5	5
HSL-A & B Sand 2m - 4m			NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DGV, Freshwater - 95% / 99% LOP			16	0.6	-	0.32	-	-	0.01	70	-	-	-	-	-	-	-	-	-	-	-	-
BH01		04/12/25	< 0.1	< 0.1	< 0.1	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-	-
BH06		04/12/25	< 0.1	< 0.1	< 0.1	< 0.05	< 0.01	< 0.001	< 0.02	< 1	740	26	110	10	4	260	20	< 5	260	100	< 5	100
BH09		04/12/25	< 0.1	< 0.1	< 0.1	-	-	-	-	< 1	1,100	63	210	23	6.7	300	37	< 5	340	170	< 5	170
BH12		04/12/25	< 0.1	< 0.1	< 0.1	< 0.05	< 0.01	< 0.001	< 0.02	< 1	1,200	140	260	34	7.6	320	41	< 5	370	190	< 5	190
BD1/20251204		04/12/25	< 0.1	< 0.1	< 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details
Results displayed in grey text were recorded below the laboratory practical quantitation limit (PQL)
Cream shading indicates results with PQL above one or more assessment criteria
ADWG – Australian drinking water guidelines
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HSL – health screening level
IMW – intrusive maintenance worker
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[1]Criteria for xylene (m) used as a conservative screen for total xylenes
[2]Unknown LOP
[3]Criteria for arsenic V used as a conservative screen for total arsenic
[4]DGV for chromium (VI) adopted as a conservative screen for total chromium. DGV of unknown reliability / LOP for chromium (III) is 3.3 ug/L
[5]Value for nitrate in soft water (< 30 mg/L CaCO3)

Table G3: Summary of laboratory results - groundwater

Sample ID	Depth	Sampled date			Nutrients										Microbiological	
			Sulphate	Ionic Balance	Ammonia (as N)	Total Kjeldahl Nitrogen (TKN)	Nitrate (as N)	Nitrite (as N)	NOx (as N)	Total Organic Nitrogen (TON, as N)	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P)	E. Coli	Faecal Coliforms
Units			mg/L	%	µg/L	mg/L	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	cfu/100ml	cfu/100ml
Total or filtered			T	T	F	T	F	F	T	T	T	T	F	T	T
PQL			1		5	0.1	0.005	5	0.005	0.2	0.1	0.05	0.005	1	1
HSL-A & B Sand 2m - 4m			-	-	-	-	-	-	-	-	-	-	-	-	-
DGV, Freshwater - 95% / 99% LOP			-	-	900	-	1.1[5]	-	-	-	-	-	-	-	-
BH01		04/12/25	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06		04/12/25	170	2	110	0.3	< 0.005	< 5	< 0.005	0.2	0.3	0.07	< 0.005	< 10	< 10
BH09		04/12/25	220	0	40	< 0.1	< 0.02	< 20	< 0.02	< 0.2	< 0.1	0.1	0.056	<PQL	<PQL
BH12		04/12/25	200	3	160	0.6	< 0.02	< 20	< 0.02	0.4	0.6	0.06	0.008	< 1,000	< 1,000
BD1/20251204		04/12/25	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details
Results displayed in grey text were recorded below the laboratory practical quantitation limit (PQL)
Cream shading indicates results with PQL above one or more assessment criteria
ADWG – Australian drinking water guidelines
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[1]Criteria for xylene (m) used as a conservative screen for total xylenes
[2]Unknown LOP
[3]Criteria for arsenic V used as a conservative screen for total arsenic
[4]DGV for chromium (VI) adopted as a conservative screen for total chromium. DGV of unknown reliability / LOP for chromium (III) is 3.3 ug/L
[5]Value for nitrate in soft water (< 30 mg/L CaCO3)

Normalised Box and Whisker Plot Version 3.0

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Input

						Auto UCL method	non-parametric	
Normilised against SAC / RAC / Site-specific	HIL-B					**chebyshev α-value**	0.05	
Analyte / contaminant	Bap TEQ							
SAC / RAC / Site-specific	4							
Pro UCL 95% UCL (optional)								
Paste raw data below								
< 0.5								
< 0.5								
1.4								
3.1								
3.9								
2.1								
4.5								
0.5								
< 0.5								
< 0.5								
< 0.5								
< 0.5								
< 0.5								
< 0.5								
< 0.5								
< 0.5								
< 0.5								
< 0.5								

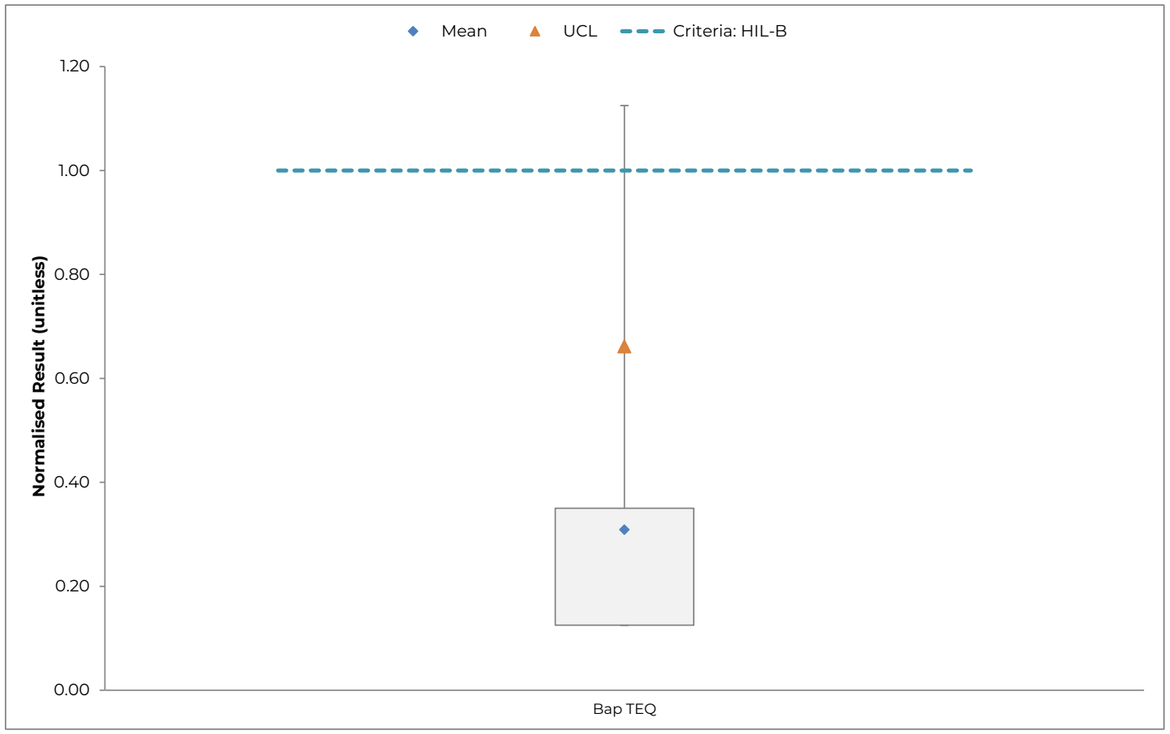
Output

Summary Statistics

	Bap TEQ
Count	**17.00**
Min	**0.13**
Max	**1.13**
Mean	**0.31**
Median	**0.13**
SD	**0.33**
Quartile 1	**0.13**
Quartile 3	**0.35**
IQR	**0.23**
UCL (lognormal)	**0.49**
UCL (Student T)	**0.48**
UCL (chebyshev)	**0.66**
UCL (gamma)	**0.48**
UCL (adopted)	**0.66**

Where a 95% UCL (optional) from Pro UCL value has been entered, the adopted UCL is from Pro UCL

Chart



1	**UCL Statistics for Uncensored Full Data Sets**											
2												
3	User Selected Options											
4	Date/Time of Computation	ProUCL 5.2 21/01/2026 12:01:30 PM										
5	From File	WorkSheet.xls										
6	Full Precision	OFF										
7	Confidence Coefficient	95%										
8	Number of Bootstrap Operations	2000										
9												
10												
11	**Copper**											
12												
13	**General Statistics**											
14	Total Number of Observations			18			Number of Distinct Observations				15	
15							Number of Missing Observations				0	
16	Minimum			9			Mean				75.61	
17	Maximum			670			Median				24.5	
18	SD			152.1			Std. Error of Mean				35.84	
19	Coefficient of Variation			2.011			Skewness				3.918	
20												
21	**Normal GOF Test**											
22	Shapiro Wilk Test Statistic			0.425			**Shapiro Wilk GOF Test**					
23	1% Shapiro Wilk Critical Value			0.858			Data Not Normal at 1% Significance Level					
24	Lilliefors Test Statistic			0.372			**Lilliefors GOF Test**					
25	1% Lilliefors Critical Value			0.235			Data Not Normal at 1% Significance Level					
26	**Data Not Normal at 1% Significance Level**											
27												
28	**Assuming Normal Distribution**											
29	**95% Normal UCL**						**95% UCLs (Adjusted for Skewness)**					
30	95% Student's-t UCL			138			95% Adjusted-CLT UCL (Chen-1995)				169.9	
31							95% Modified-t UCL (Johnson-1978)				143.5	
32												
33	**Gamma GOF Test**											
34	A-D Test Statistic			1.621			**Anderson-Darling Gamma GOF Test**					
35	5% A-D Critical Value			0.776			Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic			0.255			**Kolmogorov-Smirnov Gamma GOF Test**					
37	5% K-S Critical Value			0.211			Data Not Gamma Distributed at 5% Significance Level					
38	**Data Not Gamma Distributed at 5% Significance Level**											
39												
40	**Gamma Statistics**											
41	k hat (MLE)			0.802			k star (bias corrected MLE)				0.705	
42	Theta hat (MLE)			94.32			Theta star (bias corrected MLE)				107.2	
43	nu hat (MLE)			28.86			nu star (bias corrected)				25.38	
44	MLE Mean (bias corrected)			75.61			MLE Sd (bias corrected)				90.05	
45							Approximate Chi Square Value (0.05)				14.91	
46	Adjusted Level of Significance			0.0357			Adjusted Chi Square Value				14.14	
47												
48	**Assuming Gamma Distribution**											
49	95% Approximate Gamma UCL			128.8			95% Adjusted Gamma UCL				135.8	
50												
51	**Lognormal GOF Test**											
52	Shapiro Wilk Test Statistic			0.9			**Shapiro Wilk Lognormal GOF Test**					

53				10% Shapiro Wilk Critical Value		0.914	Data Not Lognormal at 10% Significance Level					
54				Lilliefors Test Statistic		0.178	**Lilliefors Lognormal GOF Test**					
55				10% Lilliefors Critical Value		0.185	Data appear Lognormal at 10% Significance Level					
56	**Data appear Approximate Lognormal at 10% Significance Level**											
57												
58	**Lognormal Statistics**											
59				Minimum of Logged Data		2.197	Mean of logged Data					3.585
60				Maximum of Logged Data		6.507	SD of logged Data					1.047
61												
62	**Assuming Lognormal Distribution**											
63				95% H-UCL		124.1	90% Chebyshev (MVUE) UCL					109.1
64				95% Chebyshev (MVUE) UCL		131.5	97.5% Chebyshev (MVUE) UCL					162.6
65				99% Chebyshev (MVUE) UCL		223.6						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data appear to follow a Discernible Distribution**											
69												
70	**Nonparametric Distribution Free UCLs**											
71				95% CLT UCL		134.6	95% BCA Bootstrap UCL					182.8
72				95% Standard Bootstrap UCL		131.8	95% Bootstrap-t UCL					347.9
73				95% Hall's Bootstrap UCL		340.6	95% Percentile Bootstrap UCL					142.3
74				90% Chebyshev(Mean, Sd) UCL		183.1	95% Chebyshev(Mean, Sd) UCL					231.8
75				97.5% Chebyshev(Mean, Sd) UCL		299.4	99% Chebyshev(Mean, Sd) UCL					432.2
76												
77	**Suggested UCL to Use**											
78				95% H-UCL		124.1						
79												
80	**The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.**											
81	**Please verify the data were collected from random locations.**											
82	**If the data were collected using judgmental or other non-random methods,**											
83	**then contact a statistician to correctly calculate UCLs.**											
84												
85	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
86	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
88												

Normalised Box and Whisker Plot Version 3.0

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Input

						Auto UCL method		non-parametric
Normilised against SAC / RAC / Site-specific	EIL-A-B-C					**chebyshev α-value**		0.05
Analyte / contaminant	Copper	TRH F3	Benzo(a)pyrene					
SAC / RAC / Site-specific	85	300	0.7					
Pro UCL 95% UCL (optional)								
Paste raw data below								
670	< 100	< 0.05						
130	< 100	< 0.05						
59	< 100	1						
20	990	2.2						
110	260	2.8						
23	180	1.5						
41	170	3.2						
20	< 100	0.3						
20	< 100	0.2						
12	< 100	< 0.05						
11	< 100	< 0.05						
23	< 100	< 0.05						
9	< 100	< 0.05						
54	< 100	< 0.05						
21	< 100	< 0.05						
26	< 100	< 0.05						
61	< 100	< 0.05						

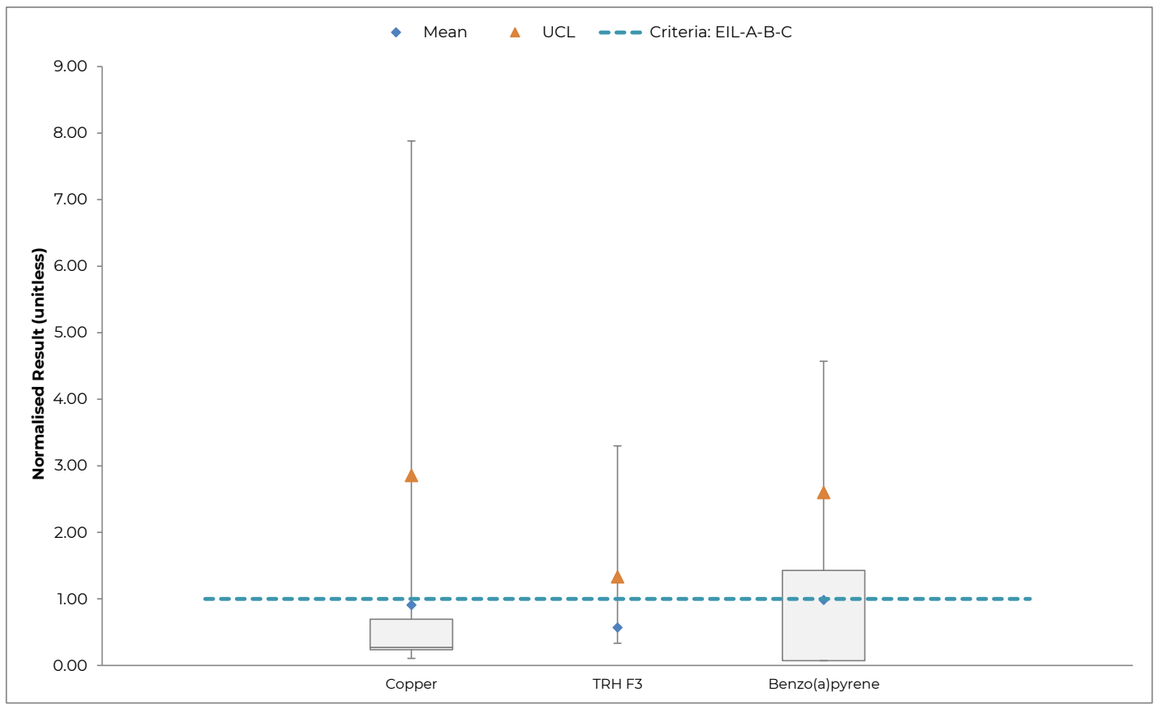
Output

Summary Statistics

	Copper	TRH F3	Benzo(a)pyrene					
Count	**17.00**	**17.00**	**17.00**					
Min	**0.11**	**0.33**	**0.07**					
Max	**7.88**	**3.30**	**4.57**					
Mean	**0.91**	**0.57**	**0.98**					
Median	**0.27**	**0.33**	**0.07**					
SD	**1.84**	**0.72**	**1.53**					
Quartile 1	**0.24**	**0.33**	**0.07**					
Quartile 3	**0.69**	**0.33**	**1.43**					
IQR	**0.46**	**0.00**	**1.36**					
UCL (lognormal)	**1.58**	**0.71**	**5.56**					
UCL (Student T)	**1.85**	**0.94**	**1.77**					
UCL (chebyshev)	**2.85**	**1.33**	**2.60**					
UCL (gamma)	**1.70**	**0.83**	**2.22**					
UCL (adopted)	**2.85**	**1.33**	**2.60**					

Where a 95% UCL (optional) from Pro UCL value has been entered, the adopted UCL is from Pro UCL

Chart



Appendix H

Laboratory Documentation

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 395329

Client Details

Client	Douglas Partners Pty Ltd
Attention	Joel James-Hall
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**237003.02 St Leonard**
Number of Samples	31 Soil
Date samples received	12/11/2025
Date completed instructions received	18/11/2025

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	25/11/2025
Date of Issue	25/11/2025

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By
Analysed by Asbestos Approved Analyst: Nyovan Moonean
Authorised by Asbestos Approved Signatory: Nyovan Moonean

Results Approved By
Dragana Tomas, Senior Chemist
Jack Wallis, Senior Chemist
Larry Ye, Senior Chemist
Nyovan Moonean, Asbestos Approved Identifier/Counter
Priya Samarawickrama, Senior Chemist
Sean McAlary, Senior Chemist
Timothy Toll, Senior Chemist

Authorised By
Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		395329-1	395329-4	395329-7	395329-8	395329-12
Your Reference	UNITS	BH02	BH03	BH11	BH09	BH09
Depth		0.13-0.2	0.13-0.2	0.5-0.7	0.4-0.5	1-1.1
Date Sampled		06/11/2025	5.11.25	10.11.25	11.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTRH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	86	95	88	90	112

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		395329-13	395329-15	395329-17	395329-19	395329-21
Your Reference	UNITS	BH09	BH04	BH04	BH04	BH05
Depth		1.9-2	0.4-0.5	1.3-1.5	2.3-2.5	0.3-0.5
Date Sampled		11.11.25	10.11.25	10.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTRH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	110	77	114	108	112

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		395329-23	395329-24	395329-25	395329-26	395329-27
Your Reference	UNITS	BH05	BH05	BH05	BD01101125	BD02101125
Depth		1.4-1.5	1.8-2	2.3-2.5	-	-
Date Sampled		11.11.25	11.11.25	11.11.25	10.11.25	10.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTRH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	93	107	117	114	105

vTRH(C6-C10)/BTEXN in Soil			
Our Reference		395329-29	395329-30
Your Reference	UNITS	BH01	BH01
Depth		0.15-0.2	0.4-0.5
Date Sampled		10.11.25	10.11.25
Type of sample		Soil	Soil
Date extracted	-	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025
TRH C_6 - C_9	mg/kg	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25
vTRH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25
Benzene	mg/kg	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1
m+p-xylene	mg/kg	<2	<2
o-Xylene	mg/kg	<1	<1
Naphthalene	mg/kg	<1	<1
Total +ve Xylenes	mg/kg	<1	<1
Surrogate aaa-Trifluorotoluene	%	105	109

svTRH (C10-C40) in Soil						
Our Reference		395329-1	395329-4	395329-7	395329-8	395329-12
Your Reference	UNITS	BH02	BH03	BH11	BH09	BH09
Depth		0.13-0.2	0.13-0.2	0.5-0.7	0.4-0.5	1-1.1
Date Sampled		06/11/2025	5.11.25	10.11.25	11.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	21/11/2025	20/11/2025	20/11/2025	20/11/2025
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} -C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	82	79	76	81	92

svTRH (C10-C40) in Soil						
Our Reference		395329-13	395329-15	395329-17	395329-19	395329-21
Your Reference	UNITS	BH09	BH04	BH04	BH04	BH05
Depth		1.9-2	0.4-0.5	1.3-1.5	2.3-2.5	0.3-0.5
Date Sampled		11.11.25	10.11.25	10.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	460	130	<100	100
TRH C_{29} - C_{36}	mg/kg	<100	730	190	<100	120
Total +ve TRH (C10-C36)	mg/kg	<50	1,200	330	<50	220
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} -C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	990	260	<100	180
TRH >C_{34} -C_{40}	mg/kg	<100	460	150	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	1,500	410	<50	180
Surrogate o-Terphenyl	%	81	111	85	82	87

svTRH (C10-C40) in Soil						
Our Reference		395329-23	395329-24	395329-25	395329-26	395329-27
Your Reference	UNITS	BH05	BH05	BH05	BD01101125	BD02101125
Depth		1.4-1.5	1.8-2	2.3-2.5	-	-
Date Sampled		11.11.25	11.11.25	11.11.25	10.11.25	10.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	130	<100	<100	<100	100
Total +ve TRH (C10-C36)	mg/kg	130	<50	<50	<50	100
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} -C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	170	<100	<100	<100	130
TRH >C_{34} -C_{40}	mg/kg	120	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	290	<50	<50	<50	130
Surrogate o-Terphenyl	%	83	84	80	81	89

svTRH (C10-C40) in Soil			
Our Reference		395329-29	395329-30
Your Reference	UNITS	BH01	BH01
Depth		0.15-0.2	0.4-0.5
Date Sampled		10.11.25	10.11.25
Type of sample		Soil	Soil
Date extracted	-	19/11/2025	19/11/2025
Date analysed	-	21/11/2025	21/11/2025
TRH C_{10} - C_{14}	mg/kg	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50
TRH >C_{10} -C_{16}	mg/kg	<50	<50
TRH >C_{10} -C_{16} less Naphthalene (F2)	mg/kg	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50
Surrogate o-Terphenyl	%	83	80

PAHs in Soil						
Our Reference		395329-1	395329-4	395329-7	395329-8	395329-12
Your Reference	UNITS	BH02	BH03	BH11	BH09	BH09
Depth		0.13-0.2	0.13-0.2	0.5-0.7	0.4-0.5	1-1.1
Date Sampled		06/11/2025	5.11.25	10.11.25	11.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	21/11/2025	20/11/2025	21/11/2025	20/11/2025	21/11/2025
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.4	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	0.2	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	1.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	1.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	0.6	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	0.6	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	1	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	1.0	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.4	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	0.6	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	7.4	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	1.4	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	1.4	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	1.4	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	90	94	90	91	93

PAHs in Soil						
Our Reference		395329-13	395329-15	395329-17	395329-19	395329-21
Your Reference	UNITS	BH09	BH04	BH04	BH04	BH05
Depth		1.9-2	0.4-0.5	1.3-1.5	2.3-2.5	0.3-0.5
Date Sampled		11.11.25	10.11.25	10.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	21/11/2025	20/11/2025	24/11/2025	21/11/2025
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	0.2	0.2	<0.1	0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.8	1.3	0.2	0.7
Anthracene	mg/kg	<0.1	0.4	0.5	<0.1	0.2
Fluoranthene	mg/kg	<0.1	2.4	3.3	0.4	1.6
Pyrene	mg/kg	<0.1	2.4	3.5	0.4	2.0
Benzo(a)anthracene	mg/kg	<0.1	1.6	2.0	0.2	1.2
Chrysene	mg/kg	<0.1	1.4	2.1	0.2	0.9
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	3.0	3.4	0.3	2.2
Benzo(a)pyrene	mg/kg	<0.05	2.2	2.8	0.2	1.5
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	1.4	1.2	<0.1	0.9
Dibenzo(a,h)anthracene	mg/kg	<0.1	0.3	0.4	<0.1	0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	1.0	1.5	0.1	0.7
Total +ve PAH's	mg/kg	<0.05	17	22	1.9	12
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	3.1	3.9	<0.5	2.1
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	3.1	3.9	<0.5	2.1
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	3.1	3.9	<0.5	2.1
Surrogate p-Terphenyl-d14	%	92	91	90	95	91

PAHs in Soil						
Our Reference		395329-23	395329-24	395329-25	395329-26	395329-27
Your Reference	UNITS	BH05	BH05	BH05	BD01101125	BD02101125
Depth		1.4-1.5	1.8-2	2.3-2.5	-	-
Date Sampled		11.11.25	11.11.25	11.11.25	10.11.25	10.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	21/11/2025	20/11/2025	20/11/2025	20/11/2025
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	2.2	0.3	0.2	<0.1	0.5
Anthracene	mg/kg	0.8	0.1	<0.1	<0.1	0.2
Fluoranthene	mg/kg	5.3	0.6	0.2	<0.1	1.5
Pyrene	mg/kg	6.1	0.5	0.2	<0.1	1.5
Benzo(a)anthracene	mg/kg	2.6	0.2	0.1	<0.1	0.8
Chrysene	mg/kg	2.6	0.2	0.1	<0.1	0.9
Benzo(b,j+k)fluoranthene	mg/kg	4.2	0.5	<0.2	<0.2	2
Benzo(a)pyrene	mg/kg	3.2	0.3	0.2	<0.05	1.4
Indeno(1,2,3-c,d)pyrene	mg/kg	1.3	0.2	<0.1	<0.1	0.6
Dibenzo(a,h)anthracene	mg/kg	0.4	<0.1	<0.1	<0.1	0.2
Benzo(g,h,i)perylene	mg/kg	1.6	0.2	<0.1	<0.1	0.7
Total +ve PAH's	mg/kg	31	3.2	1.0	<0.05	9.8
Benzo(a)pyrene TEQ calc (zero)	mg/kg	4.5	<0.5	<0.5	<0.5	1.9
Benzo(a)pyrene TEQ calc(half)	mg/kg	4.5	<0.5	<0.5	<0.5	1.9
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	4.5	0.5	<0.5	<0.5	1.9
Surrogate p-Terphenyl-d14	%	92	97	90	89	89

PAHs in Soil			
Our Reference		395329-29	395329-30
Your Reference	UNITS	BH01	BH01
Depth		0.15-0.2	0.4-0.5
Date Sampled		10.11.25	10.11.25
Type of sample		Soil	Soil
Date extracted	-	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025
Naphthalene	mg/kg	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	93	90

Organochlorine Pesticides in soil						
Our Reference		395329-1	395329-7	395329-12	395329-15	395329-21
Your Reference	UNITS	BH02	BH11	BH09	BH04	BH05
Depth		0.13-0.2	0.5-0.7	1-1.1	0.4-0.5	0.3-0.5
Date Sampled		06/11/2025	10.11.25	11.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.6	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	0.3	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	3.2	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	0.7	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive Aldrin+Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	95	90	93	90	87

Organochlorine Pesticides in soil		
Our Reference		395329-24
Your Reference	UNITS	BH05
Depth		1.8-2
Date Sampled		11.11.25
Type of sample		Soil
Date extracted	-	19/11/2025
Date analysed	-	21/11/2025
alpha-BHC	mg/kg	<0.1
HCB	mg/kg	<0.1
beta-BHC	mg/kg	<0.1
gamma-BHC	mg/kg	<0.1
Heptachlor	mg/kg	<0.1
delta-BHC	mg/kg	<0.1
Aldrin	mg/kg	<0.1
Heptachlor Epoxide	mg/kg	<0.1
gamma-Chlordane	mg/kg	<0.1
alpha-chlordane	mg/kg	<0.1
Endosulfan I	mg/kg	<0.1
pp-DDE	mg/kg	<0.1
Dieldrin	mg/kg	<0.1
Endrin	mg/kg	<0.1
Endosulfan II	mg/kg	<0.1
pp-DDD	mg/kg	<0.1
Endrin Aldehyde	mg/kg	<0.1
pp-DDT	mg/kg	<0.1
Endosulfan Sulphate	mg/kg	<0.1
Methoxychlor	mg/kg	<0.1
Mirex	mg/kg	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1
Total Positive Aldrin+Dieldrin	mg/kg	<0.1
Surrogate 4-Chloro-3-NBTF	%	96

Organophosphorus Pesticides in Soil						
Our Reference		395329-1	395329-7	395329-12	395329-15	395329-21
Your Reference	UNITS	BH02	BH11	BH09	BH04	BH05
Depth		0.13-0.2	0.5-0.7	1-1.1	0.4-0.5	0.3-0.5
Date Sampled		06/11/2025	10.11.25	11.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phorate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Disulfoton	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion-Methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenthion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methidathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamiphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phosalone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	95	90	93	90	87

Organophosphorus Pesticides in Soil		
Our Reference		395329-24
Your Reference	UNITS	BH05
Depth		1.8-2
Date Sampled		11.11.25
Type of sample		Soil
Date extracted	-	19/11/2025
Date analysed	-	21/11/2025
Dichlorvos	mg/kg	<0.1
Mevinphos	mg/kg	<0.1
Phorate	mg/kg	<0.1
Dimethoate	mg/kg	<0.1
Diazinon	mg/kg	<0.1
Disulfoton	mg/kg	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1
Parathion-Methyl	mg/kg	<0.1
Ronnel	mg/kg	<0.1
Fenitrothion	mg/kg	<0.1
Malathion	mg/kg	<0.1
Chlorpyriphos	mg/kg	<0.1
Fenthion	mg/kg	<0.1
Parathion	mg/kg	<0.1
Bromophos-ethyl	mg/kg	<0.1
Methidathion	mg/kg	<0.1
Fenamiphos	mg/kg	<0.1
Ethion	mg/kg	<0.1
Phosalone	mg/kg	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1
Coumaphos	mg/kg	<0.1
Surrogate 4-Chloro-3-NBTF	%	96

PCBs in Soil						
Our Reference		395329-1	395329-7	395329-12	395329-15	395329-21
Your Reference	UNITS	BH02	BH11	BH09	BH04	BH05
Depth		0.13-0.2	0.5-0.7	1-1.1	0.4-0.5	0.3-0.5
Date Sampled		06/11/2025	10.11.25	11.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 2-Fluorobiphenyl	%	92	87	89	86	81

PCBs in Soil		
Our Reference		395329-24
Your Reference	UNITS	BH05
Depth		1.8-2
Date Sampled		11.11.25
Type of sample		Soil
Date extracted	-	19/11/2025
Date analysed	-	21/11/2025
Aroclor 1016	mg/kg	<0.1
Aroclor 1221	mg/kg	<0.1
Aroclor 1232	mg/kg	<0.1
Aroclor 1242	mg/kg	<0.1
Aroclor 1248	mg/kg	<0.1
Aroclor 1254	mg/kg	<0.1
Aroclor 1260	mg/kg	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1
Surrogate 2-Fluorobiphenyl	%	92

Misc Soil - Inorg						
Our Reference		395329-1	395329-7	395329-12	395329-15	395329-21
Your Reference	UNITS	BH02	BH11	BH09	BH04	BH05
Depth		0.13-0.2	0.5-0.7	1-1.1	0.4-0.5	0.3-0.5
Date Sampled		06/11/2025	10.11.25	11.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Date analysed	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg		
Our Reference		395329-24
Your Reference	UNITS	BH05
Depth		1.8-2
Date Sampled		11.11.25
Type of sample		Soil
Date prepared	-	20/11/2025
Date analysed	-	20/11/2025
Total Phenolics (as Phenol)	mg/kg	<5

Acid Extractable metals in soil						
Our Reference		395329-1	395329-4	395329-7	395329-8	395329-12
Your Reference	UNITS	BH02	BH03	BH11	BH09	BH09
Depth		0.13-0.2	0.13-0.2	0.5-0.7	0.4-0.5	1-1.1
Date Sampled		06/11/2025	5.11.25	10.11.25	11.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
Arsenic	mg/kg	5	<4	5	7	7
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	11	33	18	16	12
Copper	mg/kg	130	59	9	12	11
Lead	mg/kg	20	29	12	18	14
Mercury	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	35	31	19	4	3
Zinc	mg/kg	76	62	22	17	10

Acid Extractable metals in soil						
Our Reference		395329-13	395329-15	395329-17	395329-19	395329-21
Your Reference	UNITS	BH09	BH04	BH04	BH04	BH05
Depth		1.9-2	0.4-0.5	1.3-1.5	2.3-2.5	0.3-0.5
Date Sampled		11.11.25	10.11.25	10.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
Arsenic	mg/kg	34	<4	4	9	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	14	11	14	16	14
Copper	mg/kg	23	20	110	100	23
Lead	mg/kg	25	67	51	17	45
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	5	8	9	4	8
Zinc	mg/kg	38	89	76	18	70

Acid Extractable metals in soil						
Our Reference		395329-23	395329-24	395329-25	395329-26	395329-27
Your Reference	UNITS	BH05	BH05	BH05	BD01101125	BD02101125
Depth		1.4-1.5	1.8-2	2.3-2.5	-	-
Date Sampled		11.11.25	11.11.25	11.11.25	10.11.25	10.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
Arsenic	mg/kg	<4	5	6	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	16	18	17	5	10
Copper	mg/kg	41	20	16	27	34
Lead	mg/kg	54	41	17	13	39
Mercury	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	14	9	4	4	7
Zinc	mg/kg	73	39	11	6	48

Acid Extractable metals in soil					
Our Reference		395329-29	395329-30	395329-32	395329-33
Your Reference	UNITS	BH01	BH01	BH02 - [TRIPLICATE]	BH05 - [TRIPLICATE]
Depth		0.15-0.2	0.4-0.5	0.13-0.2	1.8-2
Date Sampled		10.11.25	10.11.25	06/11/2025	11.11.25
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025
Arsenic	mg/kg	12	<4	<4	7
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	23	5	7	22
Copper	mg/kg	670	28	51	20
Lead	mg/kg	160	13	7	37
Mercury	mg/kg	0.5	<0.1	<0.1	<0.1
Nickel	mg/kg	160	4	17	9
Zinc	mg/kg	190	7	44	54

Moisture						
Our Reference		395329-1	395329-4	395329-7	395329-8	395329-12
Your Reference	UNITS	BH02	BH03	BH11	BH09	BH09
Depth		0.13-0.2	0.13-0.2	0.5-0.7	0.4-0.5	1-1.1
Date Sampled		06/11/2025	5.11.25	10.11.25	11.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Moisture	%	21	17	9.2	21	19

Moisture						
Our Reference		395329-13	395329-15	395329-17	395329-19	395329-20
Your Reference	UNITS	BH09	BH04	BH04	BH04	BH05
Depth		1.9-2	0.4-0.5	1.3-1.5	2.3-2.5	0.2-0.3
Date Sampled		11.11.25	10.11.25	10.11.25	10.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Moisture	%	20	14	14	24	13

Moisture						
Our Reference		395329-21	395329-23	395329-24	395329-25	395329-26
Your Reference	UNITS	BH05	BH05	BH05	BH05	BD01101125
Depth		0.3-0.5	1.4-1.5	1.8-2	2.3-2.5	-
Date Sampled		11.11.25	11.11.25	11.11.25	11.11.25	10.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	19/11/2025	19/11/2025	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025	20/11/2025	20/11/2025	20/11/2025
Moisture	%	12	16	23	22	18

Moisture				
Our Reference		395329-27	395329-29	395329-30
Your Reference	UNITS	BD02101125	BH01	BH01
Depth		-	0.15-0.2	0.4-0.5
Date Sampled		10.11.25	10.11.25	10.11.25
Type of sample		Soil	Soil	Soil
Date prepared	-	19/11/2025	19/11/2025	19/11/2025
Date analysed	-	20/11/2025	20/11/2025	20/11/2025
Moisture	%	25	30	19

Asbestos ID - Soils						
Our Reference		395329-1	395329-7	395329-8	395329-12	395329-13
Your Reference	UNITS	BH02	BH11	BH09	BH09	BH09
Depth		0.13-0.2	0.5-0.7	0.4-0.5	1-1.1	1.9-2
Date Sampled		06/11/2025	10.11.25	11.11.25	11.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed		24/11/2025	24/11/2025	24/11/2025	24/11/2025	24/11/2025
Sample Mass Tested	g	Approx. 30g	Approx. 35g	Approx. 30g	Approx. 35g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Additional Comments - Refer to Last Page	-	Nil	Nil	Nil	Nil	Nil

Asbestos ID - Soils						
Our Reference		395329-15	395329-17	395329-21	395329-23	395329-24
Your Reference	UNITS	BH04	BH04	BH05	BH05	BH05
Depth		0.4-0.5	1.3-1.5	0.3-0.5	1.4-1.5	1.8-2
Date Sampled		10.11.25	10.11.25	11.11.25	11.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed		24/11/2025	24/11/2025	24/11/2025	24/11/2025	24/11/2025
Sample Mass Tested	g	Approx. 30g	Approx. 30g	Approx. 35g	Approx. 30g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Additional Comments - Refer to Last Page	-	Nil	Nil	Nil	Nil	Nil

Asbestos ID - Soils		
Our Reference		395329-29
Your Reference	UNITS	BH01
Depth		0.15-0.2
Date Sampled		10.11.25
Type of sample		Soil
Date analysed		24/11/2025
Sample Mass Tested	g	Approx. 20g
Sample Description	-	Brown coarse-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w
Residual Analysis	-	No asbestos detected
Additional Comments - Refer to Last Page	-	Nil

PFAS in Soils Short						
Our Reference		395329-4	395329-7	395329-15	395329-20	395329-24
Your Reference	UNITS	BH03	BH11	BH04	BH05	BH05
Depth		0.13-0.2	0.5-0.7	0.4-0.5	0.2-0.3	1.8-2
Date Sampled		5.11.25	10.11.25	10.11.25	11.11.25	11.11.25
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
Date analysed	-	21/11/2025	21/11/2025	21/11/2025	21/11/2025	21/11/2025
Perfluorobutanesulfonic acid	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorohexanesulfonic acid - PFHxS	µg/kg	0.5	<0.1	<0.1	<0.1	<0.1
Perfluorooctanesulfonic acid PFOS	µg/kg	1.5	<0.1	0.1	<0.1	0.4
Perfluorooctanoic acid PFOA	µg/kg	0.6	<0.1	<0.1	<0.1	<0.1
6:2 FTS	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
8:2 FTS	µg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate $^{13}C_8$ *PFOS*	%	98	99	99	93	97
Surrogate $^{13}C_2$ *PFOA*	%	95	96	92	104	95
Extracted ISTD $^{13}C_3$ *PFBS*	%	98	91	99	102	97
Extracted ISTD $^{18}O_2$ *PFHxS*	%	95	88	97	96	95
Extracted ISTD $^{13}C_4$ *PFOS*	%	100	96	103	108	99
Extracted ISTD $^{13}C_4$ *PFOA*	%	109	99	113	107	109
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	120	97	133	121	130
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	132	105	194	163	152
Total Positive PFHxS & PFOS	µg/kg	1.9	<0.1	0.1	<0.1	0.4
Total Positive PFOS & PFOA	µg/kg	2.1	<0.1	0.1	<0.1	0.4
Total Positive PFAS	µg/kg	2.5	<0.1	0.1	<0.1	0.4

Method ID	Methodology Summary
ASB-003	Asbestos ID –Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques as per Australian Standard 5370. When Inconclusive mineral fibres are detected by polarised light microscopy including dispersion staining, these fibres may or may not be asbestos fibres. To confirm the identities, another independent analytical technique may be required. When asbestos presence is reported below the reporting limit of 0.01%w/w, the result is not covered by AS5370 and is supplied for information purposes only as required by some state jurisdictions.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-020	Determination of various metals/elements by ICP-AES. Total Phosphate determined stochiometrically from Phosphorus (assumed to be present as Phosphate). Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation. Submission of low masses of sample e.g. for dust samples, may result in raised PQLs. Where molecular anion forms are calculated from an element (e.g. SO4 from S or PO4 from P stoichiometrically), the assumption is that the element is only present in that molecular anion form.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.

Method ID	Methodology Summary
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

Method ID	Methodology Summary
Org-029	Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3. Analysis is undertaken with LC-MS/MS. PFAS results include the sum of branched and linear isomers where applicable. Please note that PFAS results are corrected for Extracted Internal Standards (QSM terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components. Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	395329-7
Date extracted	-			19/11/2025	1	19/11/2025	19/11/2025		19/11/2025	19/11/2025
Date analysed	-			20/11/2025	1	20/11/2025	20/11/2025		20/11/2025	20/11/2025
TRH C_6 - C_9	mg/kg	25	Org-023	<25	1	<25	<25	0	92	83
TRH C_6 - C_{10}	mg/kg	25	Org-023	<25	1	<25	<25	0	92	83
Benzene	mg/kg	0.2	Org-023	<0.2	1	<0.2	<0.2	0	94	84
Toluene	mg/kg	0.5	Org-023	<0.5	1	<0.5	<0.5	0	94	84
Ethylbenzene	mg/kg	1	Org-023	<1	1	<1	<1	0	91	82
m+p-xylene	mg/kg	2	Org-023	<2	1	<2	<2	0	91	82
o-Xylene	mg/kg	1	Org-023	<1	1	<1	<1	0	88	80
Naphthalene	mg/kg	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	92	1	86	106	21	95	79

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	395329-7
Date extracted	-			19/11/2025	1	19/11/2025	19/11/2025		19/11/2025	19/11/2025
Date analysed	-			20/11/2025	1	20/11/2025	20/11/2025		20/11/2025	20/11/2025
TRH C_{10} - C_{14}	mg/kg	50	Org-020	<50	1	<50	<50	0	111	96
TRH C_{15} - C_{28}	mg/kg	100	Org-020	<100	1	<100	<100	0	101	101
TRH C_{29} - C_{36}	mg/kg	100	Org-020	<100	1	<100	<100	0	129	92
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	<50	1	<50	<50	0	111	96
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	<100	1	<100	<100	0	101	101
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	<100	1	<100	<100	0	129	92
Surrogate o-Terphenyl	%		Org-020	75	1	82	87	6	84	84

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	24	19/11/2025	19/11/2025		[NT]	[NT]
Date analysed	-			[NT]	24	21/11/2025	21/11/2025		[NT]	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-020	[NT]	24	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-020	[NT]	24	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-020	[NT]	24	<100	110	10	[NT]	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	[NT]	24	<50	<50	0	[NT]	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	[NT]	24	<100	170	52	[NT]	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	[NT]	24	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	24	84	88	5	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	395329-7
Date extracted	-			19/11/2025	1	19/11/2025	19/11/2025		19/11/2025	19/11/2025
Date analysed	-			21/11/2025	1	21/11/2025	21/11/2025		21/11/2025	21/11/2025
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	94	98
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	100	102
Fluorene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	102	104
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	100	104
Anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	96	104
Pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	96	100
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	88	88
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	1	<0.05	<0.05	0	100	114
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	93	1	90	95	5	95	96

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	24	19/11/2025	19/11/2025		[NT]	[NT]
Date analysed	-			[NT]	24	21/11/2025	21/11/2025		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	0.2	67	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	0.2	67	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	24	0.3	1.3	125	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-022/025	[NT]	24	0.1	0.4	120	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	24	0.6	2.4	120	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-022/025	[NT]	24	0.5	2.2	126	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	24	0.2	1.1	138	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	24	0.2	0.9	127	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	24	0.5	2.0	120	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	24	0.3	1.5	133	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	24	0.2	0.9	127	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	24	0.2	0.6	100	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	24	97	94	3	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	395329-7
Date extracted	-			19/11/2025	1	19/11/2025	19/11/2025		19/11/2025	19/11/2025
Date analysed	-			21/11/2025	1	21/11/2025	21/11/2025		21/11/2025	21/11/2025
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	100	100
HCB	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	110	108
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	1	0.6	0.7	15	96	100
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	104	104
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	1	0.3	0.3	0	104	104
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	1	3.2	3.3	3	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	1	0.7	0.7	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	96	98
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	102	106
Endrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	92	98
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	114	118
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	106	110
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Mirex	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	92	1	95	97	2	94	95

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	24	19/11/2025	19/11/2025		[NT]	[NT]
Date analysed	-			[NT]	24	21/11/2025	21/11/2025		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Mirex	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	[NT]	24	96	95	1	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	395329-7
Date extracted	-			19/11/2025	1	19/11/2025	19/11/2025		19/11/2025	19/11/2025
Date analysed	-			21/11/2025	1	21/11/2025	21/11/2025		21/11/2025	21/11/2025
Dichlorvos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	132	132
Mevinphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Phorate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Disulfoton	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Parathion-Methyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	105	109
Fenitrothion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	130	140
Malathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	133	140
Chlorpyriphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	125	132
Fenthion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	120	130
Bromophos-ethyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Methidathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fenamiphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	123	132
Phosalone	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Coumaphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	92	1	95	97	2	94	95

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	24	19/11/2025	19/11/2025		[NT]	[NT]
Date analysed	-			[NT]	24	21/11/2025	21/11/2025		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Mevinphos	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Phorate	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Disulfoton	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Parathion-Methyl	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Fenthion	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Methidathion	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Fenamiphos	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Phosalone	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Coumaphos	mg/kg	0.1	Org-022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	[NT]	24	96	95	1	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	395329-7
Date extracted	-			19/11/2025	1	19/11/2025	19/11/2025		19/11/2025	19/11/2025
Date analysed	-			21/11/2025	1	21/11/2025	21/11/2025		21/11/2025	21/11/2025
Aroclor 1016	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	115	120
Aroclor 1260	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate 2-Fluorobiphenyl	%		Org-021/022/025	88	1	92	95	3	91	92

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	24	19/11/2025	19/11/2025		[NT]	[NT]
Date analysed	-			[NT]	24	21/11/2025	21/11/2025		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-021/022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021/022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021/022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021/022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021/022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021/022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-021/022/025	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Surrogate 2-Fluorobiphenyl	%		Org-021/022/025	[NT]	24	92	91	1	[NT]	[NT]

QUALITY CONTROL: Misc Soil - Inorg						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	395329-7
Date prepared	-			20/11/2025	1	20/11/2025	20/11/2025		20/11/2025	20/11/2025
Date analysed	-			20/11/2025	1	20/11/2025	20/11/2025		20/11/2025	20/11/2025
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	1	<5	<5	0	115	118

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	395329-7
Date prepared	-			20/11/2025	1	20/11/2025	20/11/2025		20/11/2025	20/11/2025
Date analysed	-			21/11/2025	1	21/11/2025	21/11/2025		21/11/2025	21/11/2025
Arsenic	mg/kg	4	Metals-020	<4	1	5	<4	22	103	102
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	<0.4	<0.4	0	97	93
Chromium	mg/kg	1	Metals-020	<1	1	11	7	44	97	89
Copper	mg/kg	1	Metals-020	<1	1	130	42	102	97	96
Lead	mg/kg	1	Metals-020	<1	1	20	8	86	95	94
Mercury	mg/kg	0.1	Metals-021	<0.1	1	<0.1	<0.1	0	112	103
Nickel	mg/kg	1	Metals-020	<1	1	35	14	86	98	88
Zinc	mg/kg	1	Metals-020	<1	1	76	43	55	98	92

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	24	20/11/2025	20/11/2025		[NT]	[NT]
Date analysed	-			[NT]	24	21/11/2025	21/11/2025		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	24	5	<4	22	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	24	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	24	18	17	6	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	24	20	21	5	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	24	41	48	16	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	24	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	24	9	9	0	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	24	39	72	59	[NT]	[NT]

QUALITY CONTROL: PFAS in Soils Short						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			21/11/2025	24	21/11/2025	21/11/2025		21/11/2025	[NT]
Date analysed	-			21/11/2025	24	21/11/2025	21/11/2025		21/11/2025	[NT]
Perfluorobutanesulfonic acid	µg/kg	0.1	Org-029	<0.1	24	<0.1	<0.1	0	109	[NT]
Perfluorohexanesulfonic acid - PFHxS	µg/kg	0.1	Org-029	<0.1	24	<0.1	<0.1	0	105	[NT]
Perfluorooctanesulfonic acid PFOS	µg/kg	0.1	Org-029	<0.1	24	0.4	0.5	22	103	[NT]
Perfluorooctanoic acid PFOA	µg/kg	0.1	Org-029	<0.1	24	<0.1	<0.1	0	98	[NT]
6:2 FTS	µg/kg	0.1	Org-029	<0.1	24	<0.1	<0.1	0	96	[NT]
8:2 FTS	µg/kg	0.2	Org-029	<0.2	24	<0.2	<0.2	0	95	[NT]
Surrogate $^{13}C_8$ *PFOS*	%		Org-029	93	24	97	98	1	96	[NT]
Surrogate $^{13}C_2$ *PFOA*	%		Org-029	98	24	95	101	6	97	[NT]
Extracted ISTD $^{13}C_3$ *PFBS*	%		Org-029	105	24	97	95	2	104	[NT]
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	102	24	95	92	3	104	[NT]
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	112	24	99	101	2	112	[NT]
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	113	24	109	108	1	118	[NT]
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	122	24	130	123	6	116	[NT]
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	111	24	152	143	6	114	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates can be downloaded from the Envirolab Resources website or obtained directly by contacting the laboratory.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

Report Comments

PAHs in Soil - The RPD for duplicate results is accepted due to the non homogenous nature of sample 395329-24.

Acid Extractable Metals in Soil:
- The laboratory RPD acceptance criteria has been exceeded for 395329-1 for Cu, Ni, Pb and Zn. Therefore a triplicate result has been issued as laboratory sample number 395329-32.
- The laboratory RPD acceptance criteria has been exceeded for 395329-24 for Zn. Therefore a triplicate result has been issued as laboratory sample number 395329-33.

For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).

Asbestos: A portion of the supplied sample was sub-sampled for asbestos according to ASB-003 asbestos subsampling procedure. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab/MPL recommends supplying 40-60g or 500ml of sample in its own container.
Note: Samples requested for testing were sub-sampled from jars provided by the client.

395329 COC 18/11/25 10:23

Douglas PARTNERS | GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	237003.02	**Suburb:**	St Leonard	**To:**	Envirolab Services
Project Manager:	Joel James-Hall	**Order Number:**		**Sampler:**	12 Ashley St, Chatswood NSW 2067
Email:	joel.james-hall@douglaspartners.com.au			**Attn:**	Sample Receipt
Turnaround time:	☑ Standard ☐ 72 hour ☐ 48 hour ☐ 24 hour ☐ Same day				(02) 9910 6200 samplereceipt@envirolab.cor
Prior Storage:	☑ Fridge ☐ Freezer ☐ Esky ☐ Shelf	**Do samples contain 'potential' HBM?**	☑ No ☐ Yes (If YES, then handle, transport and store in accordance with FPM HAZID)		

Lab ID	Sample ID: Location / Other ID	Depth From	Depth To	Date Sampled	Sample Type: S - soil W - water M - Material	Container Type: G - glass P - plastic	Analytes: Combo 8_an	Combo 3a	Combo 3	PFAS (short suite)						HOLD	Notes/ Preservation/ Additional Requirements
29	BH01	0.15	0.2	10.11.25	S	G		x									
30	BH01	0.4	0.5	10.11.25	S	G			x								
31	BH01	0.9	1	10.11.25	S	G/P										X	
1	BH02	0.13	0.2	6.11.25	S	G	x										
2	BH02	0.26	0.3	6.11.25	S	G/P										X	
3	BH02	0.5	0.6	6.11.25	S	G										X	
4	BH03	0.13	0.2	5.11.25	S	G/P		x		x							
5	BH03	0.3	0.5	5.11.25	S	G										X	
15	BH04	0.4	0.5	10.11.25	S	G	x			x							
16	BH04	0.8	1	10.11.25	S	G										X	
17	BH04	1.3	1.5	10.11.25	S	G		x									
18	BH04	1.8	2	10.11.25	S	G										X	
19	BH04	2.3	2.5	10.11.25	S	G			x								
20	BH05	0.2	0.3	11.11.25	S	G/P				x							

Metals to analyse:			**LAB RECEIPT**
Number of samples in container:	**Transported to laboratory by:**		**Lab Ref. No:**
Send results to:	Douglas Partners Pty Ltd		**Received by:**
Address:	96 Hermitage Road, West Ryde NSW 211	**Phone:** (02) 9809 0666	**Date & Time**
Relinquished by:	**Date:**	**Signed:**	**Signed:**

395329

Douglas PARTNERS | GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	237003.02	**Suburb:** St Leonard	**To:** Envirolab Services
Project Manager:	Joel James-Hall		**Dispatch date:** 0/01/1900

Lab ID	Sample ID			Date Sampled	Sample Type	Container Type	Analytes											Notes/ Preservation/ Additional Requirements
	Location / Other ID	Depth From	Depth To		S - soil W - water M - Material	G - glass P - plastic	Combo 8_an	Combo 3a	Combo 3	PFAS (short suite)							HOLD	
21	BH05	0.3	0.5	11.11.25	S	G	x											
22	BH05	0.8	1	11.11.25	S	G											X	
23	BH05	1.4	1.5	11.11.25	S	G		x										
24	BH05	1.8	2	11.11.25	S	G/P	x			x								
25	BH05	2.3	2.5	11.11.25	S	G			x									
N/R	BH09	0.15	0.2	11.11.25	S	G											X	
10	BH09	0.2	0.3	11.11.25	S	G											X	
8	BH09	0.4	0.5	11.11.25	S	G/P		x										
N/R	BH09	0.9	1	11.11.25	S	G/P											X	
12	BH09	1	1.1	11.11.25	S	G	x											
9	BH09	1.4	1.5	11.11.25	S	G											X	
13	BH09	1.9	2	11.11.25	S	G		x										
11	BH09	2.3	2.4	11.11.25	S	G											X	
6	BH11	0.3	0.4	10.11.25	S	G											X	
7	BH11	0.5	0.7	10.11.25	S	G/P	x			x								
26	BD01101125			10.11.25	S	G			x									
27	BD02101125			10.11.25	S	G			x									
28	BD03111125			11.11.25	S	G											X	

Douglas PARTNERS | GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	237003.02	**Suburb:**	St Leonard	**To:**	Envirolab Services
Project Manager:	Joel James-Hall	**Order Number:**		**Sampler:** ECB	12 Ashley St, Chatswood NSW 2067
Email:	joel.james-hall@douglaspartners.com.au			**Attn:**	Sample Receipt
Turnaround time:	☑ Standard ☐ 72 hour ☐ 48 hour ☐ 24 hour ☐ Same day				(02) 9910 6200 samplereceipt@envirolab.com
Prior Storage:	☑ Fridge ☐ Freezer ☑ Esky ☐ Shelf	**Do samples contain 'potential' HBM?**	☐ No ☐ Yes (If YES, then handle, transport and store in accordance with FPM HAZID)		

Lab ID	Sample ID: Location / Other ID	Depth From	Depth To	Date Sampled	Sample Type: S - soil W - water M - Material	Container Type: G - glass P - plastic	Analytes	Notes/ Preservation/ Additional Requirements
1	BH02	0.13	0.2	6.11.25	S	G		
2	BH02	0.26	0.3	6.11.25	S	G/P		
3	BH02	0.5	0.6	6.11.25	S	G		
4	BH03	0.13	0.2	5.11.25	S	G/P		
5	BH03	0.3	0.5	5.11.25	S	G		
6	BH11	0.3	0.4	10.11.25	S	G		
7	BH11	0.5	0.7	10.11.25	S	G/P		
NR	BH09	0.15	0.2	11.11.25	S	G		
8	BH09	0.4	0.5	11.11.25	S	G/P		
NR	BH09	0.9	1	11.11.25	S	G/P		
9	BH09	1.4	1.5	11.11.25	S	G		
10	BH09	0.2	0.3	11.11.25	S	G		
11	BH09	2.3	2.4	11.11.25	S	G		
12	BH09	1	1.1	11.11.25	S	G		

ENVIROLAB GROUP

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 395329
Date Received: 12/11/25
Time Received: 1550
Received By: KW
Temp: Cool/Ambient
Cooling: Ice/Icepack 10°C
Security: Intact/Broken/None

Metals to analyse:			**LAB RECEIPT**
Number of samples in container:	**Transported to laboratory by:**		**Lab Ref. No:** 395329
Send results to:	Douglas Partners Pty Ltd		**Received by:** Kathy Wayne
Address:	96 Hermitage Road, West Ryde NSW 211	**Phone:** (02) 9809 0666	**Date & Time** 12/11/25 1550
Relinquished by:	**Date:**	**Signed:**	**Signed:**

Douglas PARTNERS | GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 237003.02 | **Suburb:** St Leonard | **To:** Envirolab Services

Project Manager: Joel James-Hall | **Dispatch date:** 0/01/1900

Lab ID	Sample ID			Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements
	Location / Other ID	Depth From	Depth To		S - soil W - water M - Material	G - glass P - plastic											
13	BH09	1.9	2	11.11.25	S	G											#395329
14	BH04	0.15	0.2	10.11.25	S	G											12/11 KW
15	BH04	0.4	0.5	10.11.25	S	G											
16	BH04	0.8	1	10.11.25	S	G											
17	BH04	1.3	1.5	10.11.25	S	G											
18	BH04	1.8	2	10.11.25	S	G											
19	BH04	2.3	2.5	10.11.25	S	G											
20	BH05	0.2	0.3	11.11.25	S	G/P											
21	BH05	0.3	0.5	11.11.25	S	G											
22	BH05	0.8	1	11.11.25	S	G											
23	BH05	1.4	1.5	11.11.25	S	G											
24	BH05	1.8	2	11.11.25	S	G/P											
25	BH05	2.3	2.5	11.11.25	S	G											
26	BD01101125			10.11.25	S	G											
27	BD02101125			10.11.25	S	G											
28	BD03111125			11.11.25	S	G											
29	BH01	0.15	0.2	10.11.25	S	G											
30	BH01	0.4	0.5	10.11.25	S	G											

Douglas PARTNERS | GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	237003.02	**Suburb:** St Leonard	**To:** Envirolab Services
Project Manager:	Joel James-Hall		**Dispatch date:** 0/01/1900

Lab ID	Sample ID: Location / Other ID	Sample ID: Depth From	Sample ID: Depth To	Date Sampled	Sample Type: S - soil W - water M - Material	Container Type: G - glass P - plastic	Analytes											Notes/ Preservation/ Additional Requirements
31	BH01	0.9	1	10.11.25	S	G/P												#395329
																		12/11 KW

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd
Attention	Joel James-Hall

Sample Login Details

Your reference	237003.02 St Leonard
Envirolab Reference	395329
Date Sample Received	12/11/2025
Date Instructions Received	18/11/2025
Date Results Expected to be Reported	25/11/2025

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	31 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	10
Cooling Method	Ice
Sampling Date Provided	YES

Comments

BH09 0.15-0.2 or BH09 0.9-1.0 not received, extra sample BH04 0.15-0.2 on hold.

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Misc Soil - Inorg	Acid Extractable metals in soil	Asbestos ID - Soils	PFAS in Soils Short	On Hold
BH02-0.13-0.2	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BH02-0.26-0.3											✓
BH02-0.5-0.6											✓
BH03-0.13-0.2	✓	✓	✓					✓		✓	
BH03-0.3-0.5											✓
BH11-0.3-0.4											✓
BH11-0.5-0.7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH09-0.4-0.5	✓	✓	✓					✓	✓		
BH09-1.4-1.5											✓
BH09-0.2-0.3											✓
BH09-2.3-2.4											✓
BH09-1-1.1	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BH09-1.9-2	✓	✓	✓					✓	✓		
BH04-0.15-0.2											✓
BH04-0.4-0.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH04-0.8-1											✓
BH04-1.3-1.5	✓	✓	✓					✓	✓		
BH04-1.8-2											✓
BH04-2.3-2.5	✓	✓	✓					✓			
BH05-0.2-0.3										✓	
BH05-0.3-0.5	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BH05-0.8-1											✓
BH05-1.4-1.5	✓	✓	✓					✓	✓		
BH05-1.8-2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH05-2.3-2.5	✓	✓	✓					✓			
BD01101125	✓	✓	✓					✓			
BD02101125	✓	✓	✓					✓			
BD03111125											✓
BH01-0.15-0.2	✓	✓	✓					✓	✓		
BH01-0.4-0.5	✓	✓	✓					✓			
BH01-0.9-1											✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

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Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

We acknowledge receipt of your samples and Purchase Order (PO) (if provided). If a PO includes your terms & conditions, Envirolab hereby expressly rejects and will not be bound by any external or third-party terms and conditions, including those referenced or attached to a PO.

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CERTIFICATE OF ANALYSIS 397230

Client Details

Client	Douglas Partners Pty Ltd
Attention	Joel James-Hall
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**237003.02, St Leonards**
Number of Samples	6 Soil
Date samples received	03/12/2025
Date completed instructions received	04/12/2025

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	11/12/2025
Date of Issue	11/12/2025

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Asbestos Approved By
Analysed by Asbestos Approved Analyst: Stuart Chen
Authorised by Asbestos Approved Signatory: Stuart Chen

Results Approved By
Diego Bigolin, Inorganics Supervisor
Giovanni Agosti, Group Technical Manager
Stuart Chen, Asbestos Approved Identifier/Report coordinator
Timothy Toll, Senior Chemist

Authorised By
Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		397230-1	397230-2	397230-4	397230-5	397230-6
Your Reference	UNITS	HA01	HA01	HA02	HA03	BD1
Depth		0.15-0.25	0.25-0.35	0.3-0.4	0.15-0.25	-
Date Sampled		3/12/2025	3/12/2025	3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/12/2025	05/12/2025	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTRH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	101	100	101	99	102

svTRH (C10-C40) in Soil						
Our Reference		397230-1	397230-2	397230-4	397230-5	397230-6
Your Reference	UNITS	HA01	HA01	HA02	HA03	BD1
Depth		0.15-0.25	0.25-0.35	0.3-0.4	0.15-0.25	-
Date Sampled		3/12/2025	3/12/2025	3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/12/2025	05/12/2025	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	06/12/2025	06/12/2025	06/12/2025	07/12/2025	07/12/2025
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} -C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	88	86	87	86	87

PAHs in Soil						
Our Reference		397230-1	397230-2	397230-4	397230-5	397230-6
Your Reference	UNITS	HA01	HA01	HA02	HA03	BD1
Depth		0.15-0.25	0.25-0.35	0.3-0.4	0.15-0.25	-
Date Sampled		3/12/2025	3/12/2025	3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/12/2025	05/12/2025	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	05/12/2025	05/12/2025	05/12/2025	05/12/2025	05/12/2025
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	100	91	93	91	98

Organochlorine Pesticides in soil				
Our Reference		397230-2	397230-4	397230-5
Your Reference	UNITS	HA01	HA02	HA03
Depth		0.25-0.35	0.3-0.4	0.15-0.25
Date Sampled		3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil
Date extracted	-	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	05/12/2025	05/12/2025	05/12/2025
alpha-BHC	mg/kg	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1
Mirex	mg/kg	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1
Total Positive Aldrin+Dieldrin	mg/kg	<0.1	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	91	91	91

Organophosphorus Pesticides in Soil				
Our Reference		397230-2	397230-4	397230-5
Your Reference	UNITS	HA01	HA02	HA03
Depth		0.25-0.35	0.3-0.4	0.15-0.25
Date Sampled		3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil
Date extracted	-	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	05/12/2025	05/12/2025	05/12/2025
Dichlorvos	mg/kg	<0.1	<0.1	<0.1
Mevinphos	mg/kg	<0.1	<0.1	<0.1
Phorate	mg/kg	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1
Disulfoton	mg/kg	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1
Parathion-Methyl	mg/kg	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1
Fenthion	mg/kg	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1
Methidathion	mg/kg	<0.1	<0.1	<0.1
Fenamiphos	mg/kg	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1
Phosalone	mg/kg	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1
Coumaphos	mg/kg	<0.1	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	91	91	91

PCBs in Soil				
Our Reference		397230-2	397230-4	397230-5
Your Reference	UNITS	HA01	HA02	HA03
Depth		0.25-0.35	0.3-0.4	0.15-0.25
Date Sampled		3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil
Date extracted	-	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	05/12/2025	05/12/2025	05/12/2025
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1
Surrogate 2-Fluorobiphenyl	%	87	92	91

Misc Soil - Inorg				
Our Reference	UNITS	397230-2	397230-4	397230-5
Your Reference		HA01	HA02	HA03
Depth		0.25-0.35	0.3-0.4	0.15-0.25
Date Sampled		3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil
Date prepared	-	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	05/12/2025	05/12/2025	05/12/2025
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5

Acid Extractable metals in soil						
Our Reference		397230-1	397230-2	397230-4	397230-5	397230-6
Your Reference	UNITS	HA01	HA01	HA02	HA03	BD1
Depth		0.15-0.25	0.25-0.35	0.3-0.4	0.15-0.25	-
Date Sampled		3/12/2025	3/12/2025	3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/12/2025	05/12/2025	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025
Arsenic	mg/kg	<4	<4	4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	9	6	10	7	7
Copper	mg/kg	54	21	26	61	23
Lead	mg/kg	9	18	28	6	15
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	69	21	18	69	26
Zinc	mg/kg	39	38	30	34	25

Moisture						
Our Reference		397230-1	397230-2	397230-4	397230-5	397230-6
Your Reference	UNITS	HA01	HA01	HA02	HA03	BD1
Depth		0.15-0.25	0.25-0.35	0.3-0.4	0.15-0.25	-
Date Sampled		3/12/2025	3/12/2025	3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/12/2025	05/12/2025	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025
Moisture	%	5.1	9.4	9.9	3.7	8.9

Asbestos ID - Soils (NEPM)				
Our Reference	UNITS	397230-2	397230-3	397230-5
Your Reference		HA01	HA02	HA03
Depth		0.25-0.35	0.15-0.25	0.15-0.25
Date Sampled		3/12/2025	3/12/2025	3/12/2025
Type of sample		Soil	Soil	Soil
Date analysed		09/12/2025	09/12/2025	09/12/2025
Sample Mass Tested	g	987.44	841.5	1,171.45
Sample Description	-	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w Organic fibre detected* No visible asbestos detected <0.01%w/w*	No asbestos detected at reporting limit 0.01%w/w Organic fibre detected* No visible asbestos detected <0.01%w/w*	No asbestos detected at reporting limit 0.01%w/w Organic fibre detected* No visible asbestos detected <0.01%w/w*
Total Asbestos	%w/w	<0.01	<0.01	<0.01
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected
ACM >7mm Estimation (Mass)*	g	–	–	–
ACM >7mm Estimation*	%w/w	<0.01	<0.01	<0.01
FA and AF Estimation (Mass)*	g	–	–	–
FA and AF Estimation*	%w/w	<0.001	<0.001	<0.001
Additional Comments - Refer to Last Page	-	Nil	Nil	Nil

Asbestos ID - Soils			
Our Reference		397230-1	397230-4
Your Reference	UNITS	HA01	HA02
Depth		0.15-0.25	0.3-0.4
Date Sampled		3/12/2025	3/12/2025
Type of sample		Soil	Soil
Date analysed		09/12/2025	09/12/2025
Sample Mass Tested	g	Approx. 40g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected* No visible asbestos detected <0.01%w/w*
Residual Analysis	-	No asbestos detected	No asbestos detected
Additional Comments - Refer to Last Page	-	Nil	Nil

Method ID	Methodology Summary
ASB-003	Asbestos ID –Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques as per Australian Standard 5370. When Inconclusive mineral fibres are detected by polarised light microscopy including dispersion staining, these fibres may or may not be asbestos fibres. To confirm the identities, another independent analytical technique may be required. When asbestos presence is reported below the reporting limit of 0.01%w/w, the result is not covered by AS5370 and is supplied for information purposes only as required by some state jurisdictions.
ASB-003	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.01% w/w as per Australian Standard AS5370. Results reported denoted with * are outside our scope of NATA accreditation. NOTE#1 Total Asbestos %w/w was analysed and reported as per Australian Standard AS5370 (This is the sum of ACM >7mm, <7mm and FA/AF relative to the sample mass tested) NOTE#2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques. Visible asbestos is defined as asbestos detected below the reporting limit of 0.01% w/w as per AS5370. NOTE #3 When asbestos presence is reported below the reporting limit of 0.01%w/w, the result is not covered by AS5370 and is supplied for information purposes only as required by some state jurisdictions.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.

Method ID	Methodology Summary
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-020	Determination of various metals/elements by ICP-AES. Total Phosphate determined stochiometrically from Phosphorus (assumed to be present as Phosphate). Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation. Submission of low masses of sample e.g. for dust samples, may result in raised PQLs. Where molecular anion forms are calculated from an element (e.g. SO4 from S or PO4 from P stoichiometrically), the assumption is that the element is only present in that molecular anion form.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.

Method ID	Methodology Summary
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Date analysed	-			08/12/2025	[NT]	[NT]	[NT]	[NT]	08/12/2025	[NT]
TRH C_6 - C_9	mg/kg	25	Org-023	<25	[NT]	[NT]	[NT]	[NT]	101	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-023	<25	[NT]	[NT]	[NT]	[NT]	101	[NT]
Benzene	mg/kg	0.2	Org-023	<0.2	[NT]	[NT]	[NT]	[NT]	100	[NT]
Toluene	mg/kg	0.5	Org-023	<0.5	[NT]	[NT]	[NT]	[NT]	102	[NT]
Ethylbenzene	mg/kg	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	98	[NT]
m+p-xylene	mg/kg	2	Org-023	<2	[NT]	[NT]	[NT]	[NT]	103	[NT]
o-Xylene	mg/kg	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	104	[NT]
Naphthalene	mg/kg	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	104	[NT]	[NT]	[NT]	[NT]	102	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Date analysed	-			06/12/2025	[NT]	[NT]	[NT]	[NT]	06/12/2025	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	85	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	81	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	100	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	85	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	81	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	100	[NT]
Surrogate o-Terphenyl	%		Org-020	94	[NT]	[NT]	[NT]	[NT]	83	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Date analysed	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	98	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Fluorene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	114	[NT]
Pyrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	94	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	90	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	110	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	92	[NT]	[NT]	[NT]	[NT]	93	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Date analysed	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	88	[NT]
HCB	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	74	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	130	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	92	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	136	[NT]
Endrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	72	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	98	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	84	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Mirex	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	91	[NT]	[NT]	[NT]	[NT]	86	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Date analysed	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Dichlorvos	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	126	[NT]
Mevinphos	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Phorate	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Disulfoton	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Parathion-Methyl	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	88	[NT]
Fenitrothion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Malathion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	118	[NT]
Chlorpyriphos	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	120	[NT]
Fenthion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	114	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Methidathion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fenamiphos	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	118	[NT]
Phosalone	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Coumaphos	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	91	[NT]	[NT]	[NT]	[NT]	86	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Date analysed	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Aroclor 1016	mg/kg	0.1	Org-021/022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021/022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021/022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021/022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021/022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021/022/025	<0.1	[NT]	[NT]	[NT]	[NT]	114	[NT]
Aroclor 1260	mg/kg	0.1	Org-021/022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 2-Fluorobiphenyl	%		Org-021/022/025	88	[NT]	[NT]	[NT]	[NT]	86	[NT]

QUALITY CONTROL: Misc Soil - Inorg						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date prepared	-			05/12/2025	2	05/12/2025	05/12/2025		05/12/2025	[NT]
Date analysed	-			05/12/2025	2	05/12/2025	05/12/2025		05/12/2025	[NT]
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	2	<5	<5	0	116	[NT]

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date prepared	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Date analysed	-			08/12/2025	[NT]	[NT]	[NT]	[NT]	08/12/2025	[NT]
Arsenic	mg/kg	4	Metals-020	<4	[NT]	[NT]	[NT]	[NT]	107	[NT]
Cadmium	mg/kg	0.4	Metals-020	<0.4	[NT]	[NT]	[NT]	[NT]	100	[NT]
Chromium	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Copper	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	104	[NT]
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Mercury	mg/kg	0.1	Metals-021	<0.1	[NT]	[NT]	[NT]	[NT]	121	[NT]
Nickel	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Zinc	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates can be downloaded from the Envirolab Resources website or obtained directly by contacting the laboratory.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

Report Comments

Asbestos: A portion of the supplied sample was sub-sampled for asbestos according to ASB-003 asbestos subsampling procedure. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab/MPL recommends supplying 40-60g or 500ml of sample in its own container.
Note: Sample 397230-4 was sub-sampled from jar provided by the client.

Asbestos-ID in soil: NEPM
This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

4/12/25 1120.

Douglas PARTNERS | GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	237003.02	**Suburb:**	St Leonard	**To:**	Envirolab Services
Project Manager:	Joel James-Hall	**Order Number:**		**Sampler:**	IR		12 Ashley St, Chatswood NSW 2067
Email:	laboratory+68ff061edd8b9@datanest.earth, **Joel James-Hall**			**Attn:**	Sample Receipt
Turnaround time:	☑ Standard ☐ 72 hour ☐ 48 hour ☐ 24 hour ☐ Same day				(02) 9910 6200 samplereceipt@envirolab.com
Prior Storage:	☐ Fridge ☐ Freezer ☑ Esky ☐ Shelf	**Do samples contain 'potential' HBM?**	☐ No ☐ Yes (If YES, then handle, transport and store in accordance with FPM HAZID)		

Lab ID	Sample ID: Location / Other ID	Depth From	Depth To	Date Sampled	Sample Type: S - soil W - water M - Material	Container Type: G - glass P - plastic	Analytes: combo 8a NEPM	combo 8a	combo 3a	combo 3	PFAS (short suite)	hold						Notes/ Preservation/ Additional Requirements
1	HA01	0.15	0.25	3.12.25	S	G/P			x									jar, AFFA, pfas
2	HA01	0.25	0.35	3.12.25	S	G/P	x											jar, AFFA
3	HA02	0.15	0.25	3.12.25	S	G/P						x						jar, AFFA
4	HA02	0.3	0.4	3.12.25	S	G/P	x											jar, pfas
5	HA03	0.15	0.25	3.12.25	S	G/P	x											jar, AFFA, pfas
6	BD1			3.12.25	S	G				x								

ENVIROLAB

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 397230
Date Received: 3/12/25
Time Received: 1805
Received By: Chris Hu
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Metals to analyse:		**LAB RECEIPT**	
Number of samples in container:	**Transported to laboratory by:** ELS SYD	**Lab Ref. No:**	397230
Send results to:	Douglas Partners Pty Ltd	**Received by:**	3/12/25 1805 Chris Hu
Address:	96 Hermitage Road, West Ryde NSW 211 **Phone:** (02) 9809 0666	**Date & Time**	3/12/25 1805
Relinquished by:	**Date:** **Signed:**	**Signed:**	

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd
Attention	Joel James-Hall

Sample Login Details

Your reference	237003.02, St Leonards
Envirolab Reference	397230
Date Sample Received	03/12/2025
Date Instructions Received	04/12/2025
Date Results Expected to be Reported	11/12/2025

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	6 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	10
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

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Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Misc Soil - Inorg	Acid Extractable metals in soil	Asbestos ID - Soils (NEPM)	Asbestos ID - Soils
HA01-0.15-0.25	✓	✓	✓					✓		✓
HA01-0.25-0.35	✓	✓	✓	✓	✓	✓	✓	✓	✓	
HA02-0.15-0.25									✓	
HA02-0.3-0.4	✓	✓	✓	✓	✓	✓	✓	✓		✓
HA03-0.15-0.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BD1	✓	✓	✓					✓		

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

We acknowledge receipt of your samples and Purchase Order (PO) (if provided). If a PO includes your terms & conditions, Envirolab hereby expressly rejects and will not be bound by any external or third-party terms and conditions, including those referenced or attached to a PO.

All services to be performed by Envirolab will be governed exclusively by Envirolab's General Terms and Conditions attached to this acknowledgement (Envirolab Terms) via hyperlink or found on our websites.

If you do not object in writing within two (2) business days of the date of this acknowledgement, you will be deemed to have accepted the Envirolab Terms. In addition, your provision of further instructions, additional samples, payment of any invoice, or acceptance of services or results from Envirolab will constitute acceptance of the Envirolab Terms. For clarity, Envirolab's commencement or continuation of work following receipt of the PO is performed solely under the Envirolab Terms and does not constitute acceptance of any external terms. All rights are expressly reserved.

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CERTIFICATE OF ANALYSIS 397285

Client Details

Client	Douglas Partners Pty Ltd
Attention	Joel James-Hall
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**237003.02, St Leonards**
Number of Samples	5 Water
Date samples received	04/12/2025
Date completed instructions received	04/12/2025

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	12/12/2025
Date of Issue	12/12/2025

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
Diego Bigolin, Inorganics Supervisor
Giovanni Agosti, Group Technical Manager
Jack Wallis, Senior Chemist
Jenny He, Inorganic Team Leader
Liam Timmins, Organics Supervisor
Steven Luong, Senior Chemist
Tabitha Roberts, Senior Chemist
Timothy Toll, Senior Chemist

Authorised By
Nancy Zhang, Laboratory Manager

VOCs in water					
Our Reference		397285-1	397285-2	397285-3	397285-4
Your Reference	UNITS	BH01	BH06	BH09	BH12
Date Sampled		4/12/2025	4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water	Water
Date Extracted	-	09/12/2025	09/12/2025	09/12/2025	09/12/2025
Date Analysed	-	10/12/2025	10/12/2025	10/12/2025	10/12/2025
Dichlorodifluoromethane	µg/L	<10	<10	<10	<10
Chloromethane	µg/L	<10	<10	<10	<10
Vinyl Chloride	µg/L	<10	<10	<10	<10
Bromomethane	µg/L	<10	<10	<10	<10
Chloroethane	µg/L	<10	<10	<10	<10
Trichlorofluoromethane	µg/L	<10	<10	<10	<10
1,1-Dichloroethene	µg/L	<1	<1	<1	<1
Trans-1,2-dichloroethene	µg/L	<1	<1	<1	<1
1,1-dichloroethane	µg/L	<1	<1	<1	<1
Cis-1,2-dichloroethene	µg/L	<1	<1	<1	<1
Bromochloromethane	µg/L	<1	<1	<1	<1
Chloroform	µg/L	<1	<1	<1	<1
2,2-dichloropropane	µg/L	<1	<1	<1	<1
1,2-dichloroethane	µg/L	<1	<1	<1	<1
1,1,1-trichloroethane	µg/L	<1	<1	<1	<1
1,1-dichloropropene	µg/L	<1	<1	<1	<1
Cyclohexane	µg/L	<1	<1	<1	<1
Carbon tetrachloride	µg/L	<1	<1	<1	<1
Benzene	µg/L	<1	<1	<1	<1
Dibromomethane	µg/L	<1	<1	<1	<1
1,2-dichloropropane	µg/L	<1	<1	<1	<1
Trichloroethene	µg/L	<1	<1	<1	<1
Bromodichloromethane	µg/L	<1	<1	<1	<1
trans-1,3-dichloropropene	µg/L	<1	<1	<1	<1
cis-1,3-dichloropropene	µg/L	<1	<1	<1	<1
1,1,2-trichloroethane	µg/L	<1	<1	<1	<1
Toluene	µg/L	<1	<1	<1	<1
1,3-dichloropropane	µg/L	<1	<1	<1	<1
Dibromochloromethane	µg/L	<1	<1	<1	<1
1,2-dibromoethane	µg/L	<1	<1	<1	<1
Tetrachloroethene	µg/L	<1	<1	<1	<1
1,1,1,2-tetrachloroethane	µg/L	<1	<1	<1	<1
Chlorobenzene	µg/L	<1	<1	<1	<1
Ethylbenzene	µg/L	<1	<1	<1	<1

VOCs in water					
Our Reference		397285-1	397285-2	397285-3	397285-4
Your Reference	UNITS	BH01	BH06	BH09	BH12
Date Sampled		4/12/2025	4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water	Water
Bromoform	µg/L	<1	<1	<1	<1
m+p-xylene	µg/L	<2	<2	<2	<2
Styrene	µg/L	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	µg/L	<1	<1	<1	<1
o-xylene	µg/L	<1	<1	<1	<1
1,2,3-trichloropropane	µg/L	<1	<1	<1	<1
Isopropylbenzene	µg/L	<1	<1	<1	<1
Bromobenzene	µg/L	<1	<1	<1	<1
n-propyl benzene	µg/L	<1	<1	<1	<1
2-chlorotoluene	µg/L	<1	<1	<1	<1
4-chlorotoluene	µg/L	<1	<1	<1	<1
1,3,5-trimethyl benzene	µg/L	<1	<1	<1	<1
Tert-butyl benzene	µg/L	<1	<1	<1	<1
1,2,4-trimethyl benzene	µg/L	<1	<1	<1	<1
1,3-dichlorobenzene	µg/L	<1	<1	<1	<1
Sec-butyl benzene	µg/L	<1	<1	<1	<1
1,4-dichlorobenzene	µg/L	<1	<1	<1	<1
4-isopropyl toluene	µg/L	<1	<1	<1	<1
1,2-dichlorobenzene	µg/L	<1	<1	<1	<1
n-butyl benzene	µg/L	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	µg/L	<1	<1	<1	<1
1,2,4-trichlorobenzene	µg/L	<1	<1	<1	<1
Hexachlorobutadiene	µg/L	<1	<1	<1	<1
1,2,3-trichlorobenzene	µg/L	<1	<1	<1	<1
Surrogate Dibromofluoromethane	%	101	98	100	102
Surrogate Toluene-d8	%	100	96	97	100
Surrogate 4-Bromofluorobenzene	%	99	99	99	100

vTRH(C6-C10)/BTEXN in Water						
Our Reference	UNITS	397285-1	397285-2	397285-3	397285-4	397285-5
Your Reference		BH01	BH06	BH09	BH12	BD1/20251204
Date Sampled		4/12/2025	4/12/2025	4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/12/2025	09/12/2025	09/12/2025	09/12/2025	09/12/2025
Date analysed	-	10/12/2025	10/12/2025	10/12/2025	10/12/2025	10/12/2025
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10} less BTEX (F1)	µg/L	<10	<10	<10	<10	<10
Benzene	µg/L	<1	<1	<1	<1	<1
Toluene	µg/L	<1	<1	<1	<1	<1
Ethylbenzene	µg/L	<1	<1	<1	<1	<1
m+p-xylene	µg/L	<2	<2	<2	<2	<2
o-xylene	µg/L	<1	<1	<1	<1	<1
Naphthalene	µg/L	<1	<1	<1	<1	<1
Surrogate Dibromofluoromethane	%	101	98	100	102	99
Surrogate Toluene-d8	%	100	96	97	100	97
Surrogate 4-Bromofluorobenzene	%	99	99	99	100	100

svTRH (C10-C40) in Water						
Our Reference		397285-1	397285-2	397285-3	397285-4	397285-5
Your Reference	UNITS	BH01	BH06	BH09	BH12	BD1/20251204
Date Sampled		4/12/2025	4/12/2025	4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025
Date analysed	-	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	86
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	140	640
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	140	720
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	110
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	<50	<50	<50	<50	110
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	130	620
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	130	740
Surrogate o-Terphenyl	%	88	84	85	80	96

PAHs in Water						
Our Reference		397285-1	397285-2	397285-3	397285-4	397285-5
Your Reference	UNITS	BH01	BH06	BH09	BH12	BD1/20251204
Date Sampled		4/12/2025	4/12/2025	4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025
Date analysed	-	10/12/2025	10/12/2025	10/12/2025	10/12/2025	10/12/2025
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	90	95	86	95	97

OCPs in Water - Trace Level			
Our Reference	UNITS	397285-2	397285-4
Your Reference		BH06	BH12
Date Sampled		4/12/2025	4/12/2025
Type of sample		Water	Water
Date extracted	-	08/12/2025	08/12/2025
Date analysed	-	10/12/2025	10/12/2025
alpha-BHC	µg/L	<0.001	<0.001
HCB	µg/L	<0.001	<0.001
beta-BHC	µg/L	<0.001	<0.001
gamma-BHC	µg/L	<0.001	<0.001
Heptachlor	µg/L	<0.001	<0.001
delta-BHC	µg/L	<0.001	<0.001
Aldrin	µg/L	<0.001	<0.001
Heptachlor Epoxide	µg/L	<0.001	<0.001
gamma-Chlordane	µg/L	<0.001	<0.001
alpha-Chlordane	µg/L	<0.001	<0.001
Endosulfan I	µg/L	<0.002	<0.002
pp-DDE	µg/L	<0.001	<0.001
Dieldrin	µg/L	<0.001	<0.001
Endrin	µg/L	<0.001	<0.001
Endosulfan II	µg/L	<0.002	<0.002
pp-DDD	µg/L	<0.001	<0.001
Endrin Aldehyde	µg/L	<0.001	<0.001
pp-DDT	µg/L	<0.001	<0.001
Endosulfan Sulphate	µg/L	<0.001	<0.001
Methoxychlor	µg/L	<0.001	<0.001
Surrogate 4-Chloro-3-NBTF	%	94	99

OP in water LL ANZECCF/ADWG			
Our Reference	UNITS	397285-2	397285-4
Your Reference		BH06	BH12
Date Sampled		4/12/2025	4/12/2025
Type of sample		Water	Water
Date extracted	-	08/12/2025	08/12/2025
Date analysed	-	10/12/2025	10/12/2025
Dichlorvos	µg/L	<0.05	<0.05
Mevinphos	µg/L	<0.05	<0.05
Phorate	µg/L	<0.05	<0.05
Dimethoate	µg/L	<0.1	<0.1
Diazinon	µg/L	<0.01	<0.01
Disulfoton	µg/L	<0.05	<0.05
Chlorpyriphos-methyl	µg/L	<0.05	<0.05
Parathion-Methyl	µg/L	<0.05	<0.05
Ronnel	µg/L	<0.05	<0.05
Fenitrothion	µg/L	<0.05	<0.05
Malathion	µg/L	<0.05	<0.05
Chlorpyriphos	µg/L	<0.009	<0.009
Fenthion	µg/L	<0.05	<0.05
Parathion	µg/L	<0.004	<0.004
Bromophos ethyl	µg/L	<0.05	<0.05
Methidathion	µg/L	<0.05	<0.05
Fenamiphos	µg/L	<0.05	<0.05
Ethion	µg/L	<0.05	<0.05
Phosalone	µg/L	<0.05	<0.05
Azinphos-methyl (Guthion)	µg/L	<0.02	<0.02
Coumaphos	µg/L	<0.05	<0.05
Surrogate 4-Chloro-3-NBTF	%	94	99

PCBs in Water - Trace Level			
Our Reference	UNITS	397285-2	397285-4
Your Reference		BH06	BH12
Date Sampled		4/12/2025	4/12/2025
Type of sample		Water	Water
Date extracted	-	08/12/2025	08/12/2025
Date analysed	-	10/12/2025	10/12/2025
Aroclor 1016	µg/L	<0.01	<0.01
Aroclor 1221	µg/L	<0.01	<0.01
Aroclor 1232	µg/L	<0.01	<0.01
Aroclor 1242	µg/L	<0.01	<0.01
Aroclor 1248	µg/L	<0.01	<0.01
Aroclor 1254	µg/L	<0.01	<0.01
Aroclor 1260	µg/L	<0.01	<0.01
Surrogate 2-Fluorobiphenyl	%	87	93

Total Phenolics in Water			
Our Reference		397285-2	397285-4
Your Reference	UNITS	BH06	BH12
Date Sampled		4/12/2025	4/12/2025
Type of sample		Water	Water
Date extracted	-	08/12/2025	08/12/2025
Date analysed	-	08/12/2025	08/12/2025
Total Phenolics (as Phenol)	mg/L	<0.05	<0.05

HM in water - dissolved						
Our Reference	UNITS	397285-1	397285-2	397285-3	397285-4	397285-5
Your Reference		BH01	BH06	BH09	BH12	BD1/20251204
Date Sampled		4/12/2025	4/12/2025	4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025
Date analysed	-	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025
Arsenic-Dissolved	µg/L	6	<1	<1	1	<1
Cadmium-Dissolved	µg/L	<0.1	0.2	<0.1	<0.1	<0.1
Chromium-Dissolved	µg/L	<1	<1	<1	<1	<1
Copper-Dissolved	µg/L	<1	<1	<1	<1	<1
Lead-Dissolved	µg/L	<1	<1	<1	<1	<1
Mercury-Dissolved	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Dissolved	µg/L	16	14	8	5	6
Zinc-Dissolved	µg/L	21	47	5	2	2

Metals in Waters - Acid extractable				
Our Reference		397285-2	397285-3	397285-4
Your Reference	UNITS	BH06	BH09	BH12
Date Sampled		4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water
Date prepared	-	08/12/2025	08/12/2025	08/12/2025
Date analysed	-	10/12/2025	10/12/2025	10/12/2025
Phosphorus - Total	mg/L	0.07	0.1	0.06

Ion Balance				
Our Reference		397285-2	397285-3	397285-4
Your Reference	UNITS	BH06	BH09	BH12
Date Sampled		4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water
Date prepared	-	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	05/12/2025	05/12/2025	05/12/2025
Calcium - Dissolved	mg/L	10	23	34
Potassium - Dissolved	mg/L	4	6.7	7.6
Sodium - Dissolved	mg/L	260	300	320
Magnesium - Dissolved	mg/L	20	37	41
Bicarbonate Alkalinity as $CaCO_3$	mg/L	100	170	190
Carbonate Alkalinity as $CaCO_3$	mg/L	<5	<5	<5
Hydroxide Alkalinity (OH^-) as $CaCO_3$	mg/L	<5	<5	<5
Total Alkalinity as $CaCO_3$	mg/L	100	170	190
Hardness (calc) equivalent $CaCO_3$	mg/L	110	210	260
Sulphate, SO4	mg/L	170	220	200
Chloride, Cl	mg/L	260	340	370
Ionic Balance	%	2.0	0	3.0

Miscellaneous Inorganics				
Our Reference	UNITS	397285-2	397285-3	397285-4
Your Reference		BH06	BH09	BH12
Date Sampled		4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water
Date prepared	-	05/12/2025	05/12/2025	05/12/2025
Date analysed	-	05/12/2025	05/12/2025	05/12/2025
Total Dissolved Solids (grav)	mg/L	740	1,100	1,200
Total Suspended Solids	mg/L	26	63	140
Ammonia as N in water	mg/L	0.11	0.04	0.16
Nitrate as N in water	mg/L	<0.005	<0.02	<0.02
Nitrite as N in water	mg/L	<0.005	<0.02	<0.02
NOx as N in water	mg/L	<0.005	<0.02	<0.02
TKN in water	mg/L	0.3	<0.1	0.6
Total Nitrogen in water	mg/L	0.3	<0.1	0.6
Organic Nitrogen as N	mg/L	0.2	<0.2	0.4
Phosphate as P in water	mg/L	<0.005	0.056	0.008

Microbiological Testing				
Our Reference	UNITS	397285-2	397285-3	397285-4
Your Reference		BH06	BH09	BH12
Date Sampled		4/12/2025	4/12/2025	4/12/2025
Type of sample		Water	Water	Water
Date of testing	-	05/12/2025	05/12/2025	05/12/2025
E. coli	cfu/100mL	<10	<1000 NBO	<1000
Faecal Coliforms	cfu/100mL	<10	4000 NBO	<1000

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-006	Alkalinity - determined titrimetrically in accordance with APHA latest edition, 2320-B.
Inorg-018	Total Dissolved Solids - determined gravimetrically. The solids are dried at 180+/-10°C. NOTE: Where the EC of the sample is <100µS/cm, the TDS will typically be below 70mg/L (as the sample is very likely to be at least drinking water quality). Therefore to ensure data quality for TDS, the TDS is typically calculated as per the equation below:- TDS = EC * 0.6
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Inorg-040	The concentrations of the major ions (mg/L) are converted to milliequivalents and summed. The ionic balance should be within +/- 15% ie total anions = total cations +/-15%.
Inorg-055	Nitrate - determined colourimetrically. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
Inorg-055	Nitrite - determined colourimetrically based on APHA latest edition NO2- B. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-057	Ammonia - determined colourimetrically, based on APHA latest edition 4500-NH3 F. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a KCl extraction.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
Inorg-062	TKN - determined colourimetrically based on APHA latest edition 4500 Norg. Alternatively, TKN can be derived from calculation (Total N - NOx).
Inorg-081	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA latest edition, 4110-B. Waters samples are filtered on receipt prior to analysis. Alternatively determined by colourimetry/turbidity using Discrete Analyser.

Method ID	Methodology Summary
Metals-020	Determination of various metals/elements by ICP-AES. Total Phosphate determined stochiometrically from Phosphorus (assumed to be present as Phosphate). Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation. Submission of low masses of sample e.g. for dust samples, may result in raised PQLs. Where molecular anion forms are calculated from an element (e.g. SO4 from S or PO4 from P stoichiometrically), the assumption is that the element is only present in that molecular anion form.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS.
Org-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Water samples are analysed directly by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: VOCs in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date Extracted	-			09/12/2025	1	09/12/2025	10/12/2025		09/12/2025	[NT]
Date Analysed	-			10/12/2025	1	10/12/2025	10/12/2025		10/12/2025	[NT]
Dichlorodifluoromethane	µg/L	10	Org-023	<10	1	<10	<10	0	[NT]	[NT]
Chloromethane	µg/L	10	Org-023	<10	1	<10	<10	0	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-023	<10	1	<10	<10	0	[NT]	[NT]
Bromomethane	µg/L	10	Org-023	<10	1	<10	<10	0	[NT]	[NT]
Chloroethane	µg/L	10	Org-023	<10	1	<10	<10	0	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-023	<10	1	<10	<10	0	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-023	<1	1	<1	<1	0	93	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Chloroform	µg/L	1	Org-023	<1	1	<1	<1	0	93	[NT]
2,2-dichloropropane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-023	<1	1	<1	<1	0	90	[NT]
1,1,1-trichloroethane	µg/L	1	Org-023	<1	1	<1	<1	0	90	[NT]
1,1-dichloropropene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Cyclohexane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Benzene	µg/L	1	Org-023	<1	1	<1	<1	0	91	[NT]
Dibromomethane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Trichloroethene	µg/L	1	Org-023	<1	1	<1	<1	0	95	[NT]
Bromodichloromethane	µg/L	1	Org-023	<1	1	<1	<1	0	88	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Toluene	µg/L	1	Org-023	<1	1	<1	<1	0	91	[NT]
1,3-dichloropropane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-023	<1	1	<1	<1	0	82	[NT]
1,2-dibromoethane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-023	<1	1	<1	<1	0	92	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-023	<1	1	<1	<1	0	93	[NT]
Bromoform	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
m+p-xylene	µg/L	2	Org-023	<2	1	<2	<2	0	93	[NT]
Styrene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]

QUALITY CONTROL: VOCs in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
o-xylene	µg/L	1	Org-023	<1	1	<1	<1	0	93	[NT]
1,2,3-trichloropropane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Bromobenzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	101	1	101	98	3	99	[NT]
Surrogate Toluene-d8	%		Org-023	100	1	100	96	4	98	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	100	1	99	99	0	99	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			09/12/2025	1	09/12/2025	10/12/2025		09/12/2025	[NT]
Date analysed	-			10/12/2025	1	10/12/2025	10/12/2025		10/12/2025	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	1	<10	<10	0	92	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	1	<10	<10	0	92	[NT]
Benzene	µg/L	1	Org-023	<1	1	<1	<1	0	91	[NT]
Toluene	µg/L	1	Org-023	<1	1	<1	<1	0	91	[NT]
Ethylbenzene	µg/L	1	Org-023	<1	1	<1	<1	0	93	[NT]
m+p-xylene	µg/L	2	Org-023	<2	1	<2	<2	0	93	[NT]
o-xylene	µg/L	1	Org-023	<1	1	<1	<1	0	93	[NT]
Naphthalene	µg/L	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	101	1	101	98	3	99	[NT]
Surrogate Toluene-d8	%		Org-023	100	1	100	96	4	98	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	100	1	99	99	0	99	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	397285-5
Date extracted	-			12/12/2025	1	08/12/2025	08/12/2025		12/12/2025	08/12/2025
Date analysed	-			12/12/2025	1	08/12/2025	08/12/2025		12/12/2025	08/12/2025
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	1	<50	<50	0	98	113
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	1	<100	<100	0	109	130
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	1	<100	<100	0	114	100
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	1	<50	<50	0	98	113
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	1	<100	<100	0	109	130
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	1	<100	<100	0	114	100
Surrogate o-Terphenyl	%		Org-020	83	1	88	87	1	92	98

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	397285-5
Date extracted	-			08/12/2025	1	08/12/2025	08/12/2025		08/12/2025	08/12/2025
Date analysed	-			10/12/2025	1	10/12/2025	10/12/2025		10/12/2025	10/12/2025
Naphthalene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	76	95
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	86
Fluorene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	84	96
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	99	88
Anthracene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	97
Pyrene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	95	97
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	68	76
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	76
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	100	1	90	85	6	92	98

QUALITY CONTROL: OCPs in Water - Trace Level					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			08/12/2025	[NT]	[NT]	[NT]	[NT]	08/12/2025	[NT]
Date analysed	-			10/12/2025	[NT]	[NT]	[NT]	[NT]	10/12/2025	[NT]
alpha-BHC	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	95	[NT]
HCB	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	97	[NT]
gamma-BHC	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	90	[NT]
delta-BHC	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	86	[NT]
Heptachlor Epoxide	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	101	[NT]
gamma-Chlordane	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-Chlordane	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	µg/L	0.002	Org-022/025	<0.002	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	91	[NT]
Dieldrin	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	97	[NT]
Endrin	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	97	[NT]
Endosulfan II	µg/L	0.002	Org-022/025	<0.002	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	100	[NT]
Endrin Aldehyde	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	104	[NT]
Methoxychlor	µg/L	0.001	Org-022/025	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	89	[NT]	[NT]	[NT]	[NT]	90	[NT]

QUALITY CONTROL: OP in water LL ANZECCF/ADWG					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			08/12/2025	[NT]	[NT]	[NT]	[NT]	08/12/2025	[NT]
Date analysed	-			10/12/2025	[NT]	[NT]	[NT]	[NT]	10/12/2025	[NT]
Dichlorvos	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	129	[NT]
Mevinphos	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Phorate	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dimethoate	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Diazinon	µg/L	0.01	Org-022/025	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Disulfoton	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorpyriphos-methyl	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Parathion-Methyl	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ronnel	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	87	[NT]
Fenitrothion	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	121	[NT]
Malathion	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	124	[NT]
Chlorpyriphos	µg/L	0.009	Org-022/025	<0.009	[NT]	[NT]	[NT]	[NT]	108	[NT]
Fenthion	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Parathion	µg/L	0.004	Org-022/025	<0.004	[NT]	[NT]	[NT]	[NT]	115	[NT]
Bromophos ethyl	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Methidathion	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fenamiphos	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethion	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	119	[NT]
Phosalone	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Azinphos-methyl (Guthion)	µg/L	0.02	Org-022/025	<0.02	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Coumaphos	µg/L	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	89	[NT]	[NT]	[NT]	[NT]	90	[NT]

QUALITY CONTROL: PCBs in Water - Trace Level					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			08/12/2025	[NT]	[NT]	[NT]	[NT]	08/12/2025	[NT]
Date analysed	-			10/12/2025	[NT]	[NT]	[NT]	[NT]	10/12/2025	[NT]
Aroclor 1016	µg/L	0.01	Org-021/022/025	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	µg/L	0.01	Org-021/022/025	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	µg/L	0.01	Org-021/022/025	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	µg/L	0.01	Org-021/022/025	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	µg/L	0.01	Org-021/022/025	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	µg/L	0.01	Org-021/022/025	<0.01	[NT]	[NT]	[NT]	[NT]	100	[NT]
Aroclor 1260	µg/L	0.01	Org-021/022/025	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 2-Fluorobiphenyl	%		Org-021/022/025	75	[NT]	[NT]	[NT]	[NT]	75	[NT]

QUALITY CONTROL: Total Phenolics in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	397285-4
Date extracted	-			08/12/2025	2	08/12/2025	08/12/2025		08/12/2025	08/12/2025
Date analysed	-			08/12/2025	2	08/12/2025	08/12/2025		08/12/2025	08/12/2025
Total Phenolics (as Phenol)	mg/L	0.05	Inorg-031	<0.05	2	<0.05	<0.05	0	117	114

QUALITY CONTROL: HM in water - dissolved						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	397285-3
Date prepared	-			08/12/2025	2	08/12/2025	08/12/2025		08/12/2025	08/12/2025
Date analysed	-			08/12/2025	2	08/12/2025	08/12/2025		08/12/2025	08/12/2025
Arsenic-Dissolved	µg/L	1	Metals-022	<1	2	<1	<1	0	115	104
Cadmium-Dissolved	µg/L	0.1	Metals-022	<0.1	2	0.2	0.2	0	116	107
Chromium-Dissolved	µg/L	1	Metals-022	<1	2	<1	<1	0	114	109
Copper-Dissolved	µg/L	1	Metals-022	<1	2	<1	<1	0	114	105
Lead-Dissolved	µg/L	1	Metals-022	<1	2	<1	<1	0	114	106
Mercury-Dissolved	µg/L	0.05	Metals-021	<0.05	2	<0.05	[NT]		98	[NT]
Nickel-Dissolved	µg/L	1	Metals-022	<1	2	14	14	0	114	106
Zinc-Dissolved	µg/L	1	Metals-022	<1	2	47	47	0	115	108

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			08/12/2025	2	08/12/2025	08/12/2025		08/12/2025	[NT]
Date analysed	-			10/12/2025	2	10/12/2025	10/12/2025		10/12/2025	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	2	0.07	0.07	0	92	[NT]

QUALITY CONTROL: Ion Balance						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	397285-4
Date prepared	-			05/12/2025	2	05/12/2025	05/12/2025		05/12/2025	05/12/2025
Date analysed	-			05/12/2025	2	05/12/2025	05/12/2025		05/12/2025	05/12/2025
Calcium - Dissolved	mg/L	0.5	Metals-020	<0.5	2	10	11	10	97	98
Potassium - Dissolved	mg/L	0.5	Metals-020	<0.5	2	4	4	0	88	84
Sodium - Dissolved	mg/L	0.5	Metals-020	<0.5	2	260	250	4	89	#
Magnesium - Dissolved	mg/L	0.5	Metals-020	<0.5	2	20	20	0	96	102
Bicarbonate Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	2	100	100	0	[NT]	[NT]
Carbonate Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	2	<5	<5	0	[NT]	[NT]
Hydroxide Alkalinity (OH^-) as $CaCO_3$	mg/L	5	Inorg-006	<5	2	<5	<5	0	[NT]	[NT]
Total Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	2	100	100	0	108	[NT]
Hardness (calc) equivalent $CaCO_3$	mg/L	3	Metals-020	<3	2	110	110	0	[NT]	[NT]
Sulphate, SO4	mg/L	1	Inorg-081	<1	2	170	170	0	117	[NT]
Chloride, Cl	mg/L	1	Inorg-081	<1	2	260	260	0	107	[NT]
Ionic Balance	%		Inorg-040	[NT]	2	2.0	1.0	67	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Date analysed	-			05/12/2025	[NT]	[NT]	[NT]	[NT]	05/12/2025	[NT]
Total Dissolved Solids (grav)	mg/L	5	Inorg-018	<5	[NT]	[NT]	[NT]	[NT]	103	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	<5	[NT]	[NT]	[NT]	[NT]	89	[NT]
Ammonia as N in water	mg/L	0.005	Inorg-057	<0.005	[NT]	[NT]	[NT]	[NT]	101	[NT]
Nitrate as N in water	mg/L	0.005	Inorg-055	<0.005	[NT]	[NT]	[NT]	[NT]	102	[NT]
Nitrite as N in water	mg/L	0.005	Inorg-055	<0.005	[NT]	[NT]	[NT]	[NT]	89	[NT]
NOx as N in water	mg/L	0.005	Inorg-055	<0.005	[NT]	[NT]	[NT]	[NT]	102	[NT]
TKN in water	mg/L	0.1	Inorg-062	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Organic Nitrogen as N	mg/L	0.2	Inorg-055/062/127	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	[NT]	[NT]	[NT]	[NT]	111	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates can be downloaded from the Envirolab Resources website or obtained directly by contacting the laboratory.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

Report Comments

Microbiology analysed by Sonic Food & Water Testing. Report No. W2527720
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised
NBO: The presence of competing background organisms in the sample may have reduced the count.

MISC_INORG: Nitrate as N in water, Nitrite as N in water, NOx as N in water PQL has been raised due to matrix interferences from analytes (other than those being tested) in the sample/s.

Ion Balance - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

CoC: 04/12/25, 1424

Douglas PARTNERS | GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	237003.02	**Suburb:**	St Leonard	**To:**	Envirolab Services
Project Manager:	Joel James-Hall	**Order Number:**		**Sampler:**	NW
					12 Ashley St, Chatswood NSW 2067
Email:	laboratory+68ff061edd8b9@datanest.earth; **joel.james-hall@douglaspartners.com.au**			**Attn:**	Sample Receipt
Turnaround time:	☑ Standard ☐ 72 hour ☐ 48 hour ☐ 24 hour ☐ Same day				(02) 9910 6200 samplereceipt@envirolab.cor
Prior Storage:	☐ Fridge ☐ Freezer ☑ Esky ☐ Shelf	**Do samples contain 'potential' HBM?**	☐ No ☐ Yes (If YES, then handle, transport and store in accordance with FPM HAZID)		

Lab ID	Sample ID: Location / Other ID	Depth From	Depth To	Date Sampled	Sample Type: S - soil W - water M - Material	Container Type: G - glass P - plastic	Analytes: *Combo 8 - Dissolved*	*Combo 3 - Dissolved	VOC	TSS and TDS	Hardness + Major anions	Major nutrients	e.coli and f.coliforms					Notes/ Preservation/ Additional Requirements
1	BH01	-	-	4/12/25	W	G,P		X	X									*PAH low level
2	BH06	-	-	4/12/25	W	G,P	X		X	X	X	X	X					Trace OCP, OPP, PCB, low lvl PAH
3	BH09	-	-	4/12/25	W	G,P		X	X	X	X	X	X					*PAH low level
4	BH12	-	-	4/12/25	W	G,P	X		X	X	X	X	X					Trace OCP, OPP, PCB, low lvl PAH
5	BD1/20251204	-	-	4/12/25	W	G,P		X										*PAH low level

ENVIROLAB GROUP

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 349285
Date Received: 4/12/25
Time Received: 1640
Received By: KH
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Metals to analyse:			**LAB RECEIPT**
Number of samples in container:		**Transported to laboratory by:**	Courier	**Lab Ref. No:**
Send results to:	Douglas Partners Pty Ltd			**Received by:**
Address:	96 Hermitage Road, West Ryde NSW 211	**Phone:**	(02) 9809 0666	**Date & Tim**
Relinquished by:	Nathan Woodward	**Date:**	4/12/2025	**Signed:**	**Signed:**

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd
Attention	Joel James-Hall

Sample Login Details

Your reference	237003.02, St Leonards
Envirolab Reference	397285
Date Sample Received	04/12/2025
Date Instructions Received	04/12/2025
Date Results Expected to be Reported	12/12/2025

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	5 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	10
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
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customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	VOCs in water	vTRH(C6-C10)/BTEXN in Water	svTRH (C10-C40) in Water	PAHs in Water	OCPs in Water - Trace Level	OP in water LL ANZECCF/ADWG	PCBs in Water - Trace Level	Total Phenolics in Water	HM in water - dissolved	Metals in Waters - Acid extractable	Calcium - Dissolved	Potassium - Dissolved	Sodium - Dissolved	Magnesium - Dissolved	Bicarbonate Alkalinity as CaCO3	Carbonate Alkalinity as CaCO3	Hydroxide Alkalinity (OH-) as CaCO3	Total Alkalinity as CaCO3	Hardness (calc) equivalent CaCO3	Sulphate, SO4	Chloride, Cl	Ionic Balance	Total Dissolved Solids (grav)	Total Suspended Solids	Ammonia as N in water	Nitrate as N in water	Nitrite as N in water	NOx as N in water	TKN in water	Total Nitrogen in water	Organic Nitrogen as N	Phosphate as P in water	Microbiological Testing
BH01	✓	✓	✓	✓					✓																								
BH06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BH09	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BH12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BD1/20251204		✓	✓	✓					✓																								

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

We acknowledge receipt of your samples and Purchase Order (PO) (if provided). If a PO includes your terms & conditions, Envirolab hereby expressly rejects and will not be bound by any external or third-party terms and conditions, including those referenced or attached to a PO.

All services to be performed by Envirolab will be governed exclusively by Envirolab's General Terms and Conditions attached to this acknowledgement (Envirolab Terms) via hyperlink or found on our websites.

If you do not object in writing within two (2) business days of the date of this acknowledgement, you will be deemed to have accepted the Envirolab Terms. In addition, your provision of further instructions, additional samples, payment of any invoice, or acceptance of services or results from Envirolab will constitute acceptance of the Envirolab Terms. For clarity, Envirolab's commencement or continuation of work following receipt of the PO is performed solely under the Envirolab Terms and does not constitute acceptance of any external terms. All rights are expressly reserved.

Appendix I

Data Quality Assurance and Quality Control

1. Field and laboratory data quality assurance and quality control

The field and laboratory data quality assurance and quality control (QA/QC) procedures and results are summarised in the following Table 1. Reference should be made to the field work methodology and the laboratory results / certificates of analysis for further details. The relative percentage difference (RPD) results, along with the other field QC samples are included at the end of this appendix.

Table 1: Field and laboratory quality control

Item	Evaluation / acceptance criteria	Compliance
Analytical laboratories used	NATA accreditation	C
Holding times	Various based on type of analysis	C
Intra-laboratory replicates	5% 10% of primary samples;	C
	<30% (inorganics) < 50% (organics) RPD, where results are > 5 x PQL	PC
Laboratory / reagent blanks	1 per batch; <PQL	C
Laboratory duplicate	1 per lab batch; as laboratory certificate	C
Matrix spikes	1 per lab batch; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Surrogate spikes	All organics analysis; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Control samples	1 per lab batch; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Standard operating procedures (SOP)	Adopting SOP for all aspects of the sampling field work	C

Notes:
C = compliance; PC = partial compliance; NC = non-compliance

1.1 RPD Results

The RPD results were all within the acceptable range, with the exception of those indicated in Table QA1 and QA2. The exceedances are not, however, considered to be of concern given that:

- The actual differences in the concentrations of the replicate pairs where RPD exceedances occurred were typically low;
- The replicate pairs were collected from fill soil which by its nature is heterogeneous;
- Replicates, rather than homogenised duplicates, were used to minimise risk of volatile loss, hence greater analytical variability between replicate pairs can be expected;
- Most of the recorded concentrations were relatively close to the PQL;
- The majority of RPD results from a replicate pair were within the acceptable limits; and

- All other QA/QC parameters met the data quality indicators.

1.2 Laboratory QA comments

The following comments were provided by the laboratory regrading QA results:

Report 395329

- RPD exceedances for PAH in soil was accepted due to the non-homogenous nature of the sample; and
- Triplicate samples were analysed for metals in soils (two samples) given exceedances of RPD criteria.

Report 397285

- Raised PQLs were noted for nitrate / nitrite and NOx in water during matrix interference; and
- Percent recovery was not available for ioninc balance due to high concentrations of elements in the sample, however acceptable recovery was obtained for the laboratory control sample.

Overall, the comments are not considered to significantly impact the quality of the results.

1.3 Summary

In summary, the QC data is determined to be of sufficient quality to be considered acceptable for the assessment.

2. Data quality indicators

The reliability of field procedures and analytical results was assessed against the following data quality indicators (DQI) as outlined in NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013):

- Completeness: a measure of the amount of usable data from a data collection activity;
- Comparability: the confidence (qualitative) that data may be considered to be equivalent for each sampling and analytical event;
- Representativeness: the confidence (qualitative) of data representativeness of media present on-site;
- Precision: a measure of variability or reproducibility of data; and
- Accuracy: a measure of closeness of the data to the 'true' value.

The results of the assessment are summarised in Table 2.

Table 2: Data quality indicators

Data quality indicator	Method(s) of achievement
Completeness	Systematic and selected target locations sampled.
	Preparation of borehole logs, sample location plan and chain of custody records.
	Preparation of field groundwater and landfill gas sheets.
	Laboratory sample receipt information received confirming receipt of samples intact and appropriateness of the chain of custody.
	Samples analysed for contaminants of potential concern (CoPC) identified in the conceptual site model (CSM).
	Completion of chain of custody documentation.
	NATA accredited laboratory results certificates provided by the laboratory.
	Satisfactory frequency and results for field and laboratory quality control (QC) samples as discussed in Section 1.
Comparability	Using appropriate techniques for sample recovery, storage and transportation, which were the same for the duration of the project.
	Experienced sampler(s) used.
	Use of NATA registered laboratories, with test methods the same or similar between laboratories.
	Satisfactory results for field and laboratory QC samples.
Representativeness	Target media sampled.
	Sample numbers recovered and analysed are considered to be representative of the target media and complying with DQO.
	Samples were extracted and analysed within holding times.
	Samples were analysed in accordance with the chain of custody.
Precision	Field staff followed standard operating procedures.
	Acceptable RPD between original samples and replicates.
	Satisfactory results for all other field and laboratory QC samples.
Accuracy	Field staff followed standard operating procedures.
	Satisfactory results for all field and laboratory QC samples.

Based on the above, it is considered that the DQI have generally been complied with.

3. Conclusion

Based on the results of the field QA and field and laboratory QC, and evaluation against the DQI it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

4. References

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

Table QA1: RPD results (soil)

Analyte	Units	PQL	RPD acceptance	BH01	BD01101125	RPD	BH04	BD02101125	RPD	HA01	BD1	RPD
Depth				0.4m - 0.5m	0.4m - 0.5m		1.3m - 1.5m	1.3m - 1.5m		0.25m - 0.35m	0.25m - 0.35m	
Sampled date				10/11/25	10/11/25		10/11/25	10/11/25		03/12/25	03/12/25	
Lab report no.				395329	395329		395329	395329		397230	397230	
Matrix				Soil	Soil		Soil	Soil		Soil	Soil	
Metals												
Arsenic	mg/kg	4	30%	< 4	< 4	-	4	< 4	-	< 4	< 4	-
Cadmium	mg/kg	0.4	30%	< 0.4	< 0.4	-	< 0.4	< 0.4	-	< 0.4	< 0.4	-
Chromium (Total)	mg/kg	1	30%	5	5	0%	14	10	33.33%	6	7	15.38%
Copper	mg/kg	1	30%	28	27	3.64%	110	34	105.56%	21	23	9.09%
Lead	mg/kg	1	30%	13	13	0%	51	39	26.67%	18	15	18.18%
Mercury	mg/kg	0.1	30%	< 0.1	< 0.1	-	< 0.1	< 0.1	-	< 0.1	< 0.1	-
Nickel	mg/kg	1	30%	4	4	0%	9	7	25%	21	26	21.28%
Zinc	mg/kg	1	30%	7	6	15.38%	76	48	45.16%	38	25	41.27%
TRH (NEPM 2013)												
TRH C6-C10	mg/kg	25	30%	< 25	< 25	-	< 25	< 25	-	< 25	< 25	-
TRH >C10-C16	mg/kg	50	30%	< 50	< 50	-	< 50	< 50	-	< 50	< 50	-
TRH F1 (C6-C10 minus BTEX)	mg/kg	25	30%	< 25	< 25	-	< 25	< 25	-	< 25	< 25	-
TRH F2 (>C10-C16 minus naphthalene)	mg/kg	50	30%	< 50	< 50	-	< 50	< 50	-	< 50	< 50	-
TRH F3 (>C16-C34)	mg/kg	100	30%	< 100	< 100	-	260	130	66.67%	< 100	< 100	-
TRH F4 (>C34-C40)	mg/kg	100	30%	< 100	< 100	-	150	< 100	-	< 100	< 100	-
TRH >C10-C40 (sum)	mg/kg	50	30%	< 50	< 50	-	410	130	103.7%	< 50	< 50	-
BTEXN (all)												
Benzene	mg/kg	0.2	50%	< 0.2	< 0.2	-	< 0.2	< 0.2	-	< 0.2	< 0.2	-
Toluene	mg/kg	0.5	50%	< 0.5	< 0.5	-	< 0.5	< 0.5	-	< 0.5	< 0.5	-
Ethylbenzene	mg/kg	1	50%	< 1	< 1	-	< 1	< 1	-	< 1	< 1	-
Xylene (o)	mg/kg	1	50%	< 1	< 1	-	< 1	< 1	-	< 1	< 1	-
Xylene (m & p)	mg/kg	2	50%	< 2	< 2	-	< 2	< 2	-	< 2	< 2	-
Xylene (Total)	mg/kg	1	50%	< 1	< 1	-	< 1	< 1	-	< 1	< 1	-
Naphthalene (VOC)	mg/kg	1	50%	< 1	< 1	-	< 1	< 1	-	< 1	< 1	-
PAH												
Acenaphthene	mg/kg	0.1	50%	< 0.1	< 0.1	-	< 0.1	< 0.1	-	< 0.1	< 0.1	-
Acenaphthylene	mg/kg	0.1	50%	< 0.1	< 0.1	-	0.2	< 0.1	-	< 0.1	< 0.1	-
Anthracene	mg/kg	0.1	50%	< 0.1	< 0.1	-	0.5	0.2	85.71%	< 0.1	< 0.1	-
Benzo(a)anthracene	mg/kg	0.1	50%	< 0.1	< 0.1	-	2	0.8	85.71%	< 0.1	< 0.1	-
Benzo(a)pyrene	mg/kg	0.05	50%	< 0.05	< 0.05	-	2.8	1.4	66.67%	< 0.05	< 0.05	-
Benzo(b+j+k)fluoranthene	mg/kg	0.2	50%	< 0.2	< 0.2	-	3.4	2	51.85%	< 0.2	< 0.2	-
Benzo(g,h,i)perylene	mg/kg	0.1	50%	< 0.1	< 0.1	-	1.5	0.7	72.73%	< 0.1	< 0.1	-
Chrysene	mg/kg	0.1	50%	< 0.1	< 0.1	-	2.1	0.9	80%	< 0.1	< 0.1	-
Dibenz(a,h)anthracene	mg/kg	0.1	50%	< 0.1	< 0.1	-	0.4	0.2	66.67%	< 0.1	< 0.1	-
Fluoranthene	mg/kg	0.1	50%	< 0.1	< 0.1	-	3.3	1.5	75%	< 0.1	< 0.1	-
Fluorene	mg/kg	0.1	50%	< 0.1	< 0.1	-	< 0.1	< 0.1	-	< 0.1	< 0.1	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	50%	< 0.1	< 0.1	-	1.2	0.6	66.67%	< 0.1	< 0.1	-
Naphthalene	mg/kg	0.1	50%	< 0.1	< 0.1	-	< 0.1	< 0.1	-	< 0.1	< 0.1	-
Phenanthrene	mg/kg	0.1	50%	< 0.1	< 0.1	-	1.3	0.5	88.89%	< 0.1	< 0.1	-
Pyrene	mg/kg	0.1	50%	< 0.1	< 0.1	-	3.5	1.5	80%	< 0.1	< 0.1	-
Total PAH (sum of analysed)	mg/kg	0.05	50%	< 0.05	< 0.05	-	22	9.8	76.73%	< 0.05	< 0.05	-

Notes:

This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details

Results shaded pink are above acceptance criteria

Results displayed in grey text recorded below the laboratory practical quantitation limit (PQL)

PQL - practical quantitation limit

RPD – relative percent difference

Table QA2: RDP results (water)

Analyte	Units	PQL	RPD acceptance	BH12	BD1/20251204	RPD
Depth						
Sampled date				04/12/25	04/12/25	
Matrix				Water	Water	
Metals						
Arsenic	µg/L	1	30%	1	< 1	-
Cadmium	µg/L	0.1	30%	< 0.1	< 0.1	-
Chromium (Total)	µg/L	1	30%	< 1	< 1	-
Copper	µg/L	1	30%	< 1	< 1	-
Lead	µg/L	1	30%	< 1	< 1	-
Mercury	µg/L	0.05	30%	< 0.05	< 0.05	-
Nickel	µg/L	1	30%	5	6	18.18%
Zinc	µg/L	1	30%	2	2	0%
TRH (NEPM 2013)						
TRH C6-C10	µg/L	10	50%	< 10	< 10	-
TRH >C10-C16	µg/L	50	50%	< 50	110	-
TRH F1 (C6-C10 minus BTEX)	µg/L	10	50%	< 10	< 10	-
TRH F2 (>C10-C16 minus naphthalene)	µg/L	50	50%	< 50	110	-
TRH F3 (>C16-C34)	µg/L	100	50%	130	620	130.67%
TRH F4 (>C34-C40)	µg/L	100	50%	< 100	< 100	-
TRH >C10-C40 (sum)	µg/L	50	50%	130	740	140.23%
PAH						
Acenaphthene	µg/L	0.1	50%	< 0.1	< 0.1	-
Acenaphthylene	µg/L	0.1	50%	< 0.1	< 0.1	-
Anthracene	µg/L	0.1	50%	< 0.1	< 0.1	-
Benzo(a)anthracene	µg/L	0.1	50%	< 0.1	< 0.1	-
Benzo(a)pyrene	µg/L	0.1	50%	< 0.1	< 0.1	-
Benzo(b+j+k)fluoranthene	µg/L	0.2	50%	< 0.2	< 0.2	-
Benzo(g,h,i)perylene	µg/L	0.1	50%	< 0.1	< 0.1	-
Chrysene	µg/L	0.1	50%	< 0.1	< 0.1	-
Dibenz(a,h)anthracene	µg/L	0.1	50%	< 0.1	< 0.1	-
Fluoranthene	µg/L	0.1	50%	< 0.1	< 0.1	-
Fluorene	µg/L	0.1	50%	< 0.1	< 0.1	-
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	50%	< 0.1	< 0.1	-
Naphthalene	µg/L	0.1	50%	< 0.1	< 0.1	-
Phenanthrene	µg/L	0.1	50%	< 0.1	< 0.1	-
Pyrene	µg/L	0.1	50%	< 0.1	< 0.1	-
Total PAH (sum of analysed)	µg/L	0.1	50%	< 0.1	< 0.1	-
BTEX						
Benzene	µg/L	1	50%	< 1	< 1	-
Toluene	µg/L	1	50%	< 1	< 1	-
Ethylbenzene	µg/L	1	50%	< 1	< 1	-
Xylene (m & p)	µg/L	2	50%	< 2	< 2	-
Xylene (o)	µg/L	1	50%	< 1	< 1	-
Naphthalene (VOC)	µg/L	1	50%	< 1	< 1	-

Notes:

This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details

Results shaded pink are above acceptance criteria

Results displayed in grey text recorded below the laboratory practical quantitation limit (PQL)

PQL - practical quantitation limit

RPD – relative percent difference

Appendix J

HAZMAT Investigation (Douglas, 2025)

Douglas PARTNERS

GROUNDED EXPERTISE

Report on Hazardous Building Materials (HAZMAT) Survey

33 & 37 Herbert Street, St Leonards NSW

Prepared for Aqualand Projects Pty Ltd

Project 237003.01

31 March 2026

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Document History

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Revision 0	Stephanie Stamatellis, Aqualand St Leonard Development Pty Ltd
Revision 1	Celia Mak, Aqualand St Leonard Development Pty Ltd

The undersigned, on behalf of Douglas Partners Pty Ltd, confirm that this document and all attached drawings and test results have been checked and reviewed for errors, omissions and inaccuracies.

Signature	Date
Author p.p.	31 March 2026
Reviewer	31 March 2026

FS604853

Douglas Partners acknowledges Australia's First Peoples as the Traditional Owners of the Land and Sea on which we operate. We pay our respects to Elders past and present and to all Aboriginal and Torres Strait Islander peoples across the many communities in which we live, visit and work. We recognise and respect their ongoing cultural and spiritual connection to Country.

Executive Summary

Douglas Partners Pty Ltd (Douglas) was engaged by Aqualand St Leonard Development Pty Ltd (the 'client') to conduct a Hazardous Building Materials (HAZMAT) survey of the buildings at 33 & 37 Herbert Street, St Leonards NSW (the Site). The survey was undertaken on 5 & 11 November 2025. The purpose of the survey, which comprised a walkthrough visual inspection and limited program of field testing and sample analysis, was to identify HAZMAT comprising:

- Asbestos containing material (ACM);
- Lead paints (>0.1 % lead w/w);
- Lead dust in ceiling cavities;
- Bulk synthetic mineral fibre (SMF) insulation; and
- Polychlorinated biphenyls (PCB) in fluorescent light fittings.

HAZMAT were identified or suspected present in the buildings at the Site as indicated in Table 1 below.

Table 1: Hazardous building materials (HAZMAT) risk profile

Building	Asbestos	Lead paint	Lead dust	SMF	PCB
33 Herbert Street (Office Block)	✖	✓	✓	✓	✖
37 Herbert Street (Warehouse)	✓	✓	✓	✓	✓

SMF = synthetic mineral fibre, PCB = polychlorinated biphenyls, ✓= identified or suspected present, ✖ = not identified and / or not suspected present. Refer to the Registers in Appendices B and C for details and clarifications.

Limited or no access was available to certain areas of the Site at the time of inspection, as discussed in Section 6 of the report. Inaccessible areas should be assumed to potentially contain HAZMAT unless assessment of these areas by a Competent Person confirms otherwise.

HAZMAT should be managed in accordance with the requirements of the NSW Work Health and Safety (WHS) Act 2011 (WHS Act), NSW WHS Regulation 2025 (WHS Regulation) and relevant Codes of Practice, Australian Standards and Guidelines.

A destructive and intrusive HAZMAT survey of all rooms and areas is warranted and recommended prior to building modification – including demolition, refurbishment, maintenance and similar work - but can normally only be undertaken following vacant possession.

HAZMAT should be removed prior to any significant disturbance including from maintenance, refurbishment and demolition work.

Limitations apply to this HAZMAT assessment and report as outlined in Section 8.

This report should be read in its entirety and may not be reproduced other than in full, except with the prior written approval of Douglas.

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Appendix A: About this Report

Building Layout Plans

Appendix B: HAZMAT Register and Photographs, 33 Herbert Street (Office Block)

Appendix C: HAZMAT Register and Photographs, 37 Herbert Street (Warehouse)

Appendix D: Laboratory Certificate(s) of Analysis

Report on Hazardous Building Materials (HAZMAT) Survey, 33 & 37 Herbert Street, St Leonards NSW

1. Introduction

Douglas Partners Pty Ltd (Douglas) was engaged by Aqualand St Leonard Development Pty Ltd (the 'client') to conduct a Hazardous Building Materials (HAZMAT) survey of the buildings at 33 & 37 Herbert Street, St Leonards NSW (the Site). The survey was undertaken on 5 & 11 November 2025. The purpose of the survey, which comprised a walkthrough visual inspection and limited program of field testing and sample analysis, was to identify HAZMAT comprising:

- Asbestos containing material (ACM);
- Lead paints (>0.1 % lead w/w);
- Lead dust in ceiling cavities;
- Bulk synthetic mineral fibre (SMF) insulation; and
- Polychlorinated biphenyls (PCB) in fluorescent light fittings.

This report provides relevant background information, outlines the scope of work conducted, the methods used, the results obtained, and provides general management recommendations.

The overall results of the assessment are indicated by the HAZMAT Risk Profile in Table 1 of the Executive Summary.

Notes about this report, along with building layout plans, are provided in Appendix A.

The results of the assessment, including details of the HAZMAT identified, the results of ACM risk assessments and associated photographs, are provided in the HAZMAT Registers (the Registers) in Appendices B and C.

Laboratory certificate(s) of analysis are provided in Appendix D.

Limited or no access was available to certain areas as outlined in the Register and Section 6 of this report (including Table 4).

2. Site description

The Site comprises two lots as indicated in Figure 1 below:

- 33 Herbert Street contains a three-storey commercial office building with two level basement constructed circa late 1980's to early 1990's; and
- 37 Herbert Street contains a warehouse and associated offices, amenities and utility areas, constructed by the 1940's-50's.

Available building layout plans are provided in Appendix A.

The Site is bounded to the east by the North Shore railway line, to the south by an adjoining residential unit block, to the west by Herbert Street and the Royal North Shore Hospital precinct, and to the north by Ella Street and commercial properties.

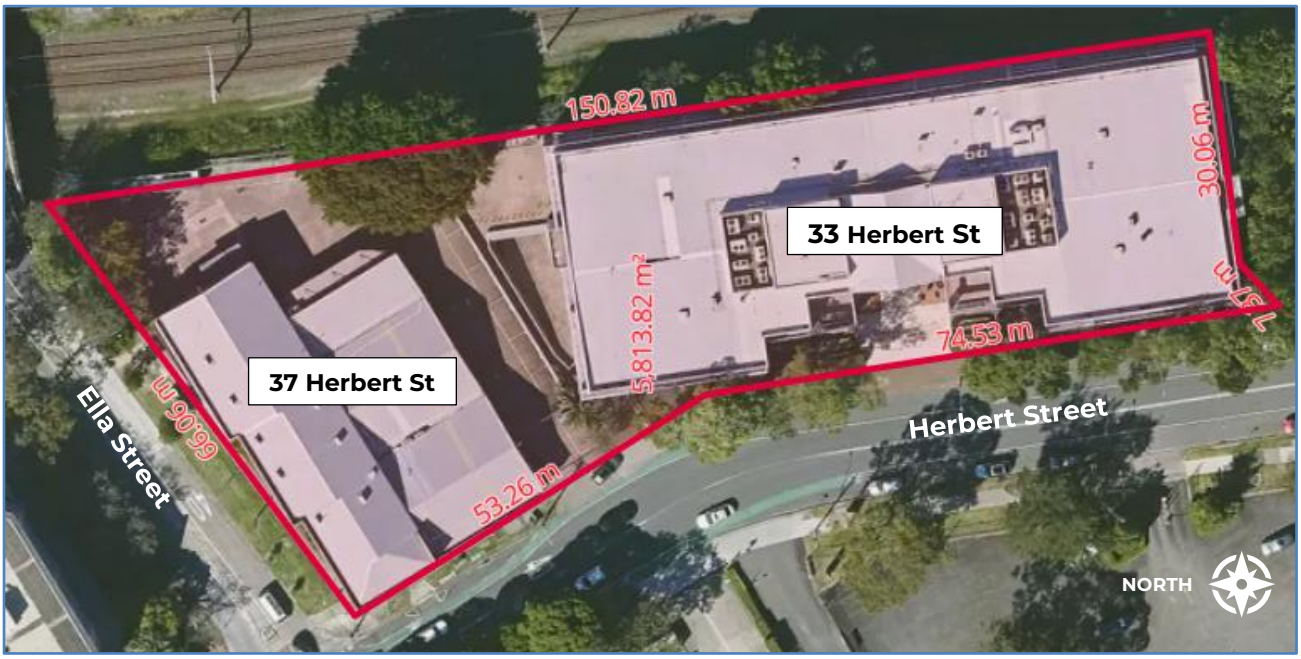


Figure 1. Site location (red outline)

3. Regulatory framework

In NSW, occupational health and safety is regulated under the *NSW Work Health and Safety Act 2011* (WHS Act) and the *NSW Work Health and Safety Regulation 2025* (WHS Regulation). The WHS Act and WHS Regulation place broad responsibilities on key duty holders to promote and secure workplace safety and health. The WHS Regulation also specifies requirements for the identification, assessment and control of asbestos and other hazardous materials in the workplace.

In addition to the WHS Act and WHS Regulation there are a range of Codes of Practice, Guidance Notes, Australian Standards and other guidelines relating to the management of HAZMAT in the workplace including their removal and disposal. These include, as updated and replaced from time to time:

- SafeWork NSW *Code of Practice: How to Manage and Control Asbestos in the Workplace*;
- SafeWork NSW *Code of Practice: How to Safely Remove Asbestos*;
- National Occupational Health and Safety Commission (NOHSC) *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition* [NOHSC:3003(2005)];
- AS/NZS 4361.1, *Guide to hazardous paint management, Part 1 – Lead and other hazardous metallic pigments in industrial applications*;
- AS/NZS 4361.2, *Guide to hazardous paint management, Part 2 – Lead paint in residential, public and commercial buildings*;

- NSW EPA *Polychlorinated Biphenyl (PCB) Chemical Control Order*, 1997;
- Environment Protection and Heritage Council *Polychlorinated Biphenyls Management Plan, Revised Edition*, April 2003; and
- NSW Protection of the Environment Operations (POEO) Act and subordinate POEO Regulations.
- NSW Environment Protection Authority (EPA) Waste Classification Guidelines including:
  - Part 1: Classifying Waste, November 2014 (EPA, 2014).
- Safe Work Australia *Guide to Handling Refractory Ceramic Fibres*, December 2013;
- SafeWork NSW *Safe management of synthetic mineral fibres (SMF) – glasswool and rockwool*, information guide, May 2015; and
- *Guidance Note on the Membrane Filter Method for the Estimation of Airborne Synthetic Mineral Fibres* [NOHSC:3006(1989)].

4. Method

The following documents were provided to Douglas and examined as part of the scope:

- RiskTech 2023, *Asbestos and Hazardous Materials Survey, 33 Herbert Street, St Leonards NSW*, 5 July 2023 (RiskTech 2023);
- Kone Call Record 9AAU72253269, 17 May 2025 (Kone 2023); and
- Prensa 2021, *Asbestos Building Materials Assessment, 37 Herbert Street, St Leonards NSW 2065*, Job No. 963885 (Prensa, 2021).

The survey conducted by Douglas comprised a non-destructive, non-intrusive, walkthrough visual inspection of safely accessible areas supplemented by a limited program of testing and sample analysis. A non-destructive, non-intrusive inspection was conducted due to anticipated occupation and ongoing operation of the building, and given that the project was in an initial planning stage. Limited access was available in occupied areas including to Level 2, 33 Herbert Street and the ground level café at 37 Herbert Street. As such, only a visual inspection was undertaken in these areas.

Samples of suspected ACM were collected by Douglas using hand tools (e.g. knife or pliers) and analysed for asbestos by a National Association of Testing Authorities (NATA) accredited laboratory. Sample size and locations are typically limited to minimise disturbance of the material and potential functional or aesthetic impacts. The samples were analysed by polarised light microscopy (PLM) with dispersion staining in accordance with AS 4964-2004 *Method for the qualitative identification of asbestos in bulk samples*.

Paints were screened for lead using 3M™ LeadCheck™ colourimetric swabs which provide an indication of the presence of lead. Bulk samples of paint were also analysed for lead (% w / w) by a NATA accredited laboratory. Analysis was by Inductively Coupled Plasma - Atomic Emission Spectrometry / Mass Spectrometry (ICP-AES / MS) and/or Cold Vapour / Atomic Absorption Spectrometry (CV / AAS). Analysis results typically reflect the average lead content of the overall paint system at the location sampled.

Dust is sampled from readily accessible ceiling cavities using surface wipe or bulk sampling techniques. Samples are generally collected from a surface area of 100 or 900 cm^2 and analysed for lead (total, µg) by a NATA accredited laboratory. Analysis results are then used to determine the lead loading (mg / m^2).

Fluorescent light fittings were visually inspected and an assessment of PCB content made based on apparent age and/or start type (i.e. resonant vs. instant start). Light fittings were not dismantled to confirm capacitor or ballast details due to the electrical hazard, height and fragility of older fittings.

The testing and sample analysis regimes adopted comprised screening assessments only and are not designed to delineate the extent of HAZMAT or hazard areas. Limitations also apply to the method(s) adopted and, as such, Douglas cannot guarantee that all HAZMAT or issues of concern have been identified.

The assessment specifically excluded:

- Destructive and intrusive inspection techniques;
- Isolation and work on energised plant, services and equipment;
- Dismantling and disassembly;
- Entry into confined spaces and crawl spaces;
- Buried items (e.g. pipes, drains, pits, conduits, footings and formwork);
- Contamination in fill and soil including mulch; and
- Materials hidden or intimately incorporated into the building(s) such that were not readily accessible using the inspection methods adopted.

5. Asbestos risk assessment

ACM poses a health risk if asbestos fibres are released to the atmosphere and inhaled. There is also a risk of environmental contamination whenever asbestos is disturbed. The degree of risk associated with any given ACM depends on a range of factors such as the friability, extent, condition, and location / accessibility of the material, the asbestos mineral type(s) present, the nature of site activities and ventilation.

The asbestos risk assessment method employed by Douglas considers several key factors that influence risk, and a numerical score is assigned to each (refer Table 2 below). These scores are then added together to determine an overall risk rating for the ACM (refer Table 3 below). A degree of professional judgement may be applied when determining the final risk scores and rating since, for example, it is not practicable to include in Table 2 all risk factors that may be relevant to a given situation.

Risk assessments for ACM should be reviewed on a regular basis including when:

- The Asbestos Management Plan is reviewed;
- Further asbestos or ACM is identified at the workplace;
- Asbestos is removed, disturbed, sealed, enclosed or undergoes any other change in condition;

- There is evidence that the risk assessment is no longer valid;
- There is evidence that control methods are not effective; or
- A significant change is proposed for the workplace or for work practices or procedures relevant to the risk assessment.

An asbestos risk assessment review is to be conducted at least every five (5) years. The review is to be performed by a Competent Person.

Table 2: Key risk factors

Risk factor	Score	Description
Friability	0	Non-friable (fibre reinforced vinyls, bituminous materials, adhesives).
	1	Non-Friable (fibre reinforced cement products such as wall and roof sheeting).
	2	Semi-Friable (low density insulation board, millboard, ropes, paper, textiles, gaskets or highly weathered asbestos cement).
	3	Friable (thermal insulation to pipes/boilers, sprayed insulation, loose fill insulation).
Condition	0	Very Good. Very little or no visible indication of damage. Structurally sound. No significant repairs required. Material performs as intended.
	1	Good – Minor damage in small, localised areas. Structurally sound. Minor preventative action may be required as a precaution and/or to prolong material life. Material generally performs as intended.
	2	Fair. Localised damage in various areas. Material is generally structurally sound however local removal and replacement of damaged sections may be required. Material performance may be somewhat impaired in areas.
	3	Poor. Material exhibits significant damage throughout. Overall structural stability may be compromised. Material performance is significantly impaired.
Treatment	0	Fully enclosed, encapsulated or sealed. ACM is entirely contained, and the enclosure/encapsulation/sealing material is in good condition.
	1	Generally enclosed, encapsulated or sealed. ACM is generally contained however enclosure/encapsulation/sealing material may not be completely continuous or exhibits minor damage/penetrations.
	2	Partially enclosed, encapsulated or sealed. ACM is contained in area(s) however enclosure/encapsulation/sealing material is not present, significantly damaged or ineffective in area(s).
	3	Enclosure/encapsulation/sealing material is significantly damaged and/or generally ineffective or there is no treatment.
Accessibility	0	The ACM is not directly accessible to occupants. Contact is highly unlikely unless a significant, dedicated effort is made. Substantial demolition, dismantling and/or special access equipment would be required.
	1	The ACM is generally not accessible to occupants. Contact is unlikely but could be made with special tools or equipment (e.g. elevating work platform) or minor demolition/dismantling.
	2	Some portion(s) of ACM are accessible to occupants. Direct contact may occur periodically but often requires basic tools/equipment (e.g. step ladder).
	3	The majority of the ACM is accessible to occupants. Direct contact is a common occurrence and may be made with minimal effort or unintentionally.
Activity	0	Area generally not occupied. Normally very little or no activity. Activities may be highly restricted, or the area secured. Examples may include subfloor voids, ceiling cavities, confined spaces and other inaccessible areas.
	1	Low level occupancy. Some activity in parts or area only occupied periodically. Examples may include plant rooms and storerooms.
	2	Moderate level occupancy. Activity normally present throughout area. May include offices, laboratories, classrooms, workshops, and warehouses.
	3	High level occupancy. Generally high levels of activity. Activities may be wide-ranging and/or largely unrestricted. Examples may include production/manufacturing areas, construction sites and public areas/thoroughfares.
Ventilation	0	Exterior area where natural ventilation and associated dilution is largely unlimited. Significant retention and/or build-up of airborne contaminants is unlikely.
	1	Interior area. Natural ventilation and dilution are limited but area is not particularly confined. Limited retention and/or build-up of airborne contaminants is possible.
	2	Confined areas where ventilation and associated dilution is significantly limited. Significant retention and/or build-up of airborne contaminants is possible or likely.
	3	Asbestos material subject to direct ventilation (e.g. inside an AC system or near a fan or air exhaust) which may result in disturbance and or elevated fibre concentrations in air.

Table 3: Risk rating

Overall score	Risk rating	Description
15-18	High (H)	The ACM poses an elevated and typically unacceptable risk of exposure and/or environmental contamination. Controls should generally be implemented as soon as possible to address the risk. Removal of the whole or part of the ACM is typically required. Other controls such as enclosure, encapsulation and/or sealing may also be necessary if portion(s) of ACM are to remain in place. As an interim measure, access to the area should be appropriately restricted. Air monitoring is often recommended to confirm airborne asbestos concentrations and provide a written record for future reference.
10-14	Moderate (M)	The ACM poses a moderate risk of exposure and/or environmental contamination. Often there has been minor damage or there is potential for disturbance / degradation in the foreseeable future. Consideration should be given to implementing appropriate controls in the short to medium term to address the risk(s) and/or prolong the lifespan of the material. Relevant controls typically include enclosure, encapsulation and/or sealing. Extensive removal is generally not required, and the material can generally be managed on site if desired and serving a useful purpose.
0-9	Low (L)	The risk of exposure and environmental contamination is generally low while the material remains undisturbed and in its present condition. The material may generally remain in place without the requirement for significant, material-specific control measures such as removal, enclosure, encapsulation or sealing.

Note: If the ACM is likely to be disturbed (e.g. by maintenance, refurbishment, or demolition work) and/or is no longer serving a useful purpose then the ACM should generally be removed. All ACM should be clearly identified with a label / signage where reasonably practicable.

6. Results

6.1 General

The overall results of the assessment are summarised in Table 1 in the Executive Summary of this report. Further details of the HAZMAT identified, including the results of asbestos risk assessments, are provided in the Registers in Appendices B and C.

Limited or no access was available to some areas as outlined below (including Table 4) and in the Registers in Appendices B and C.

Information from RiskTech (2023), Kone (2023) and Prensa (2021) has been incorporated into the Registers in Appendices B and C, where deemed appropriate. Prensa (2021) indicates the presence of asbestos-containing fibre cement debris and dust in ceiling and wall void areas. For

reasons including restricted / limited access and the limitations of this assessment, it is possible that contamination of this nature is more extensive than indicated in (Prensa 2021) or the register for 37 Herbert Street (Appendix C).

Table 4: Access limitations*

Location / area	Access type	Reason(s)
Areas / materials at height	Limited	Access limited to safely accessible areas and use of 3.7 m multi-fold ladder. Work at height and use of specialised access equipment were not included in the scope of this assessment.
Confined spaces (e.g. interior of tanks and pits) and crawl spaces	Nil	Access to confined spaces and crawl spaces was outside the scope of this assessment.
Ceiling and other building cavities (e.g. wall cavities)	Limited	Ceiling cavities were inspected in several readily accessible locations per level. Access to other building cavities was generally outside the scope of this assessment.
Subfloor voids	Nil	No subfloor voids identified.
Below ceramic tiled surfaces (e.g., walls and floors in wet areas)	Nil	Access generally requires destructive and intrusive inspection methods. Access below ceramic tiled surfaces was outside the scope of this assessment.
Fluorescent light fittings, internal components	Nil	Electrical isolation and dismantling of light fittings was outside the scope of this assessment.
Other potentially energised plant, equipment and services (e.g. electrical panels, lift motor, ducts)	Nil	Electrical isolation and dismantling of plant, equipment and services was outside the scope of this assessment.
Subsurface areas including building footings and contamination in soil, fill and mulch	Nil	Not included in the scope of this assessment.
Below exposed floor coverings (e.g. carpets, vinyl sheeting)	Limited	Access limited due to the non-destructive and non-intrusive nature of the investigation conducted.
Lift shaft and associated cavities	Nil	Not included in the scope of this assessment.
33 Herbert Street, Ground Floor, Cafe	Limited	Limited access available due to food preparation activities.
Building facades including window sills	Limited	Access was generally precluded due to height, risk of fall and secured access.

* Refer also to the Registers (Appendices B and C).

7. Recommendations

A summary note and/or recommendation for each HAZMAT identified or suspected present in the buildings assessed is provided in the Registers (Appendices B and C). The general recommendations in Section 7.1 onwards are provided for informative purposes and should be considered where the relevant HAZMAT has been identified or suspected present by Douglas, or is subsequently suspected present based on reasonable grounds.

Any inaccessible areas should generally be suspected to contain HAZMAT until confirmed otherwise by a Competent Person.

The presence of identified and suspected HAZMAT in the buildings at the Site, and the potential presence of any as-yet undetected HAZMAT, should be considered during the risk assessment for any proposed work at the Site or Site use. In particular, where HAZMAT are identified or suspected present in one particular area of a building they may also be present in other similar areas of the same building, or in other similar buildings.

A destructive and intrusive HAZMAT survey of all rooms and areas in all buildings is warranted and recommended prior to building modification – including demolition, refurbishment, maintenance and similar work - but can normally only be undertaken following vacant possession.

7.1 General

HAZMAT should be:

- Managed in accordance with the requirements of the WHS Act, WHS Regulation and subordinate Codes of Practice, Australian Standards, and Guidelines;
- Visually inspected on a regular basis. Any change to the condition of the material or relevant Site conditions should be reported to the relevant duty holder(s); and
- Removed prior to any significant disturbance such as maintenance, refurbishment, and demolition work.

A HAZMAT management plan, and scope of work specification for any planned abatement, should be developed to aid compliance with the requirements of the WHS Act and Regulation including those that relate to the identification of hazards and control of associated risks.

HAZMAT abatement work should be appropriately monitored and/or audited to help ensure quality and compliance.

An appropriate level of stakeholder consultation and communication should be undertaken at all times to help ensure that all relevant operational and project risks associated with HAZMAT are adequately controlled.

The scope, fees, and terms / conditions applicable to any HAZMAT work, including abatement, should be carefully assessed by a suitably qualified, experienced, and competent person to help ensure that associated costs remain within reasonable limits. Such assessment should include consideration of the fees that may apply to the management and control of any unexpected or additional finds.

Prior to any work involving HAZMAT a risk assessment should be conducted and Safe Work Method Statement (SWMS) developed. The SWMS should outline the controls necessary to ensure that the risks of exposure and environmental contamination are adequately controlled.

HAZMAT remediation and removal work should be undertaken in controlled conditions.

HAZMAT remediation and removal work, and general demolition work, should be supervised and undertaken by personnel that have the qualifications, training and experience required to identify any additional, unexpected occurrences of HAZMAT in a timely manner that precludes exposure and cross-contamination.

Waste should be assessed and classified for disposal in accordance with relevant legislation and EPA (2014).

At the completion of HAZMAT abatement and/or removal work a clearance inspection should be conducted by a Competent Person, or in the case of friable asbestos, by a Licensed Asbestos Assessor.

7.2 **Asbestos-containing material (ACM)**

Asbestos and ACM must be managed in accordance with the WHS Regulation, the SafeWork NSW *Code of Practice: How to Manage and Control Asbestos in the Workplace* and the SafeWork NSW *Code of Practice: How to Safely Remove Asbestos*.

Exposure to airborne asbestos in the workplace must be eliminated to the extent reasonably practicable. If it is not reasonably practicable to eliminate exposure, it must be minimised to the extent reasonably practicable.

An Asbestos Management Plan must be developed to enable compliance with the WHS Regulation (Clause 429).

The presence and location of asbestos or ACM identified at a workplace must be clearly indicated by a label if it is reasonably practicable to do so.

Warning labels and signs should be consistent with the examples provided in the SafeWork NSW *Code of Practice: How to Manage and Control Asbestos in the Workplace* and comply with AS 1319 *Safety Signs for the Occupational Environment*.

Non-friable ACM that are structurally intact and in good to fair condition may typically remain in place provided that they are not significantly disturbed.

Tools and equipment that generate dust must generally not be used on asbestos or ACM. These include high-speed abrasive power and pneumatic tools (e.g. angle grinders, sanders, saws and high-speed drills, brooms, and brushes).

Tools and equipment that cause the release of asbestos, including power tools and brooms, may only be used on asbestos if the equipment is enclosed and/or designed to capture or suppress asbestos fibres and/or the equipment is used in a way that is designed to capture or suppress asbestos fibres safely. In such a case, other controls including PPE may also be required based upon the results of a pre-work risk assessment and the SWMS adopted.

The use of high-pressure water spray and compressed air on asbestos or ACM is specifically prohibited under the WHS Regulation.

If ACM become damaged, they should be repaired or removed and replaced with an alternative, non-asbestos building product as soon as possible.

The scope of asbestos removal work should be outlined in a technical specification (i.e. Scope of Work Report) developed by a Competent Person (in the case of non-friable asbestos) or a Licensed Asbestos Assessor (in the case of friable asbestos).

Removal of friable asbestos must only be undertaken by a Class A licensed asbestos removalist. Removal of 10 m^2 or more of non-friable asbestos must only be undertaken by a Class A or Class B licensed asbestos removalist.

Air monitoring, including background, control, and clearance monitoring, is a mandatory requirement during removal of friable asbestos. Air monitoring should also be considered during removal of non-friable asbestos particularly where sensitive receptors exist such as at schools, hospitals, in public areas and at similar sites.

Air monitoring must be undertaken in accordance with the National Occupational Health and Safety Commission (NOHSC) *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition* [NOHSC:3003(2005)].

All air monitoring samples must be analysed by a NATA accredited laboratory that holds accreditation for the required analysis.

At the completion of licensed asbestos removal work, a clearance inspection must be conducted by a Competent Person (for non-friable asbestos removal) or a Licensed Asbestos Assessor (for friable asbestos removal).

Air monitoring and clearance inspections must be performed by person/s independent of the licensed asbestos removalist.

All waste should be classified for disposal in accordance with relevant legislation and EPA (2014). Asbestos waste is preclassified as Special Waste under EPA (2014).

Asbestos transporters and facilities receiving asbestos waste must report the movement of asbestos waste to the EPA. Entities involved with the transport or disposal of asbestos waste in NSW, or arranging the transport of asbestos waste in NSW, must use the EPA's applicable online tool (i.e. Integrated Waste Tracking Solution).

All asbestos waste must be disposed at a waste collection facility licensed to receive asbestos waste. All disposal receipts should be retained.

A person who relinquishes management or control of the workplace must ensure that the asbestos register is given to the person, if any, assuming management or control of the workplace.

7.3 **Lead paint**

The potential presence of lead paint(s) should be considered during the risk assessment for any proposed works. Additionally, targeted sampling and analysis for lead paints should also be undertaken prior to any work that may result in significant disturbance of paint system(s).

Lead paints should be managed in accordance with the WHS Regulation (including Chapter 7, Part 7.2 Lead) and:

- AS/NZS 4361.1, *Guide to hazardous paint management, Part 1 - Lead and other hazardous metallic pigments in industrial applications*; and
- AS/NZS 4361.2, *Guide to hazardous paint management, Part 2 - Lead paint in residential, public and commercial buildings*.

Generally, when one or more tests from a building or portion of a building indicate that lead is present, the paint should be treated as lead paint. Further, a project should not be classified as free of lead unless all samples within the relevant area / building are proven to be free of lead and the sampling is comprehensive.

Lead paint that is in sound condition, not directly accessible (e.g. over-painted with lead-free paint) and unlikely to be disturbed may not require any immediate action.

Area(s) of lead paint that are in poor condition (e.g. flaking, delaminating) should generally be removed along with any lead paint debris and associated dust.

Exposed area(s) of lead paint that are intact may be stabilised by over-painting with a lead-free paint, or by covering with a suitable encapsulant. Stabilisation can provide an interim to long-term solution to a lead paint hazard.

The lead paint removal method and control measures adopted should be determined by risk assessment and with a detailed knowledge of the workplace and proposed use / activities.

Exposure to airborne lead must be maintained below the relevant SWA exposure standards pertaining to lead. The SWA 8-hour Time Weighted Average (TWA) exposure standard for lead (inorganic dusts and fumes) is 0.05 mg/m^3. Other exposure standards apply for substances such as lead chromate.

Air monitoring for lead may be required during lead paint remediation works based on risk assessment and the requirement to comply with the abovementioned exposure standards.

At the completion of lead paint removal, a clearance inspection should be conducted by a Competent Person. The Competent Person should determine the requirements for clearance including any air monitoring or sample analysis that may be required.

Lead paint waste should be assessed and classified for disposal in accordance with relevant legislation and EPA (2014).

Based on previous correspondence with the NSW EPA, Douglas understands that EPA (2014) does not consider AS/NZS 4361.1 or AS/NZS 4361.2, including the definition of lead paint therein, for waste classification assessment. As such:

- These standards have no bearing on how waste is classified in NSW; and
- Waste classification should be carefully considered and an appropriate degree of liaison with the NSW EPA may be required to help ensure correct waste classification.

All disposal receipts should be retained.

7.4 **Lead dust**

Laboratory analysis results for lead in dust should be taken as an approximate indication of conditions only since sampling is limited and the concentration of lead in dust may vary considerably between locations within the same general area.

No recognised Australian guidelines have been identified by Douglas for the direct assessment of lead concentrations in ceiling cavity dust. Notwithstanding this, the United States Environmental Protection Authority (US EPA) Rule, *Reconsideration of the Dust-Lead Hazard Standards and Dust Lead Post-Abatement Clearance Levels* (89 FR 89416) published 11 December 2024, outlines the following proposed Dust-Lead Clearance Levels (DLCL) for assessment of post-abatement dust-lead levels[1]:

- Floors: 5 µg / ft2 (~0.05 mg / m^2) lead;
- Interior window sills: 40 µg/ft^2 (~0.43 mg / m^2) lead; and
- Window troughs: 100 µg / ft^2 (~1.1 mg / m^2) lead.

The above acceptance limits may be used as a guide when assessing lead concentrations in settled dust unless other recognised and reliable criteria apply in the relevant jurisdiction. As a precaution the abovementioned US EPA DLCL are often used by Douglas to identify potentially hazardous conditions that may require control.

Where the concentration of lead in dust exceeds the most relevant US EPA DLCL appropriate control and/or remedial measures may need to be identified via risk assessment and with a detailed knowledge of the workplace and proposed use / activities.

Where ceiling spaces and similar cavities are effectively enclosed and provide very limited or no opportunity for lead containing dust to enter occupied areas, the dust may typically remain in place. In such a case, access to the cavities should be suitably restricted and all entrances signposted with appropriate warning signs.

[1] National Archives, Federal Register, The Daily Journal of the United State Government, accessed at: https://www.federalregister.gov/documents/2024/11/12/2024-25070/reconsideration-of-the-dust-lead-hazard-standards-and-dust-lead-post-abatement-clearance-levels accessed on: 10 February 2024.

Any personnel required to enter building cavities or other areas containing lead in dust should undertake an appropriate risk assessment and develop a SWMS for the work. The SWMS must identify controls that ensure the risk of exposure to lead and environmental contamination remains at an acceptable level for the personnel entering the area and for occupants of the building and surrounds.

Consideration should be given to removal of lead containing dust including when:

- There is a significant risk of the lead entering occupied areas;
- Substantive disturbance is likely due to maintenance, refurbishment, demolition, or other reason; or
- Removal is a reasonably practicable means of eliminating the hazard.

Removal of lead dust should be undertaken by a suitably qualified and experienced removalist.

The lead dust removal method and control measures adopted should be determined by risk assessment and with a detailed knowledge of the workplace and proposed use / activities.

Exposure to airborne lead must be maintained below the relevant SWA exposure standards pertaining to lead. The SWA 8-hour TWA exposure standard for lead (inorganic dusts and fumes) is 0.05 mg/m^3.

Air monitoring for lead may be required based on the results of risk assessment and the requirement to comply with the abovementioned exposure standard(s).

At the completion of lead dust removal, a clearance inspection should be conducted by a Competent Person. The Competent Person should determine the requirements for clearance including any air monitoring or sample analysis that may be required.

Lead waste should be assessed and classified for disposal in accordance with relevant legislation and EPA (2014). All disposal receipts should be retained.

7.5 **Synthetic mineral fibre (SMF)**

SMF insulation materials may generally remain in place providing that they are in good condition and unlikely to be disturbed.

To reduce the potential for disturbance, exposure, and environmental contamination SMF insulation materials may be isolated, enclosed or encapsulated. Higher risk materials, such as loose fill insulation, may also be removed and replaced if necessary.

SMF work is to be undertaken in accordance with the requirements of the WHS Regulation and subordinate Codes of Practice, Guidance Notes, and other documents. These include:

- SafeWork NSW *Safe management of synthetic mineral fibres (SMF) - glasswool and rockwool* (information guide);
- Safe Work Australia *Guide to Handling Refractory Ceramic Fibres*, December 2013; and
- *Guidance Note on the Membrane Filter Method for the Estimation of Airborne Synthetic Mineral Fibres* [NOHSC:3006(1989)].

Reference should also be made to the Australian Institute of Occupational Hygienists (AIOH) *Synthetic Mineral Fibres (SMF) And Occupational Health Issues, Position Paper* for guidance and information.

Where reasonable concern exists over possible respirable fibre concentrations in any application, the first step is often to confirm that the work practices, as recommended for the particular product, are being followed. Air monitoring may not be required when it has been clearly established that appropriate work practices are being carried out.

Notwithstanding the above, exposures to airborne SMF should not exceed the relevant Safe Work Australia (SWA) exposure standards outlined in Table 5 below.

Table 5: SWA exposure standards for SMF

Standard name	Time weighted average (TWA) exposure standard
Glass wool, rock (stone) wool, slag wool and continuous glass filament and low biopersistence Man Made Vitreous Fibres (MMVF)	2 mg/m^3 (inhalable dust)
Refractory ceramic fibres (RCF), special purpose glass fibres and high biopersistence MMVF	0.5 f/mL (respirable) 2 mg/m^3 (inhalable dust)

SMF waste should be disposed of at a licensed waste collection facility. Note that synthetic fibre waste (from materials such as fibreglass, polyesters, and other plastics) packaged securely to prevent dust emissions is pre-classified as General Solid Waste (non-putrescible) under EPA (2014).

All disposal receipts should be retained.

7.6 Polychlorinated biphenyls (PCBs)

Prior to any significant disturbance, such as demolition, refurbishment or maintenance works, fluorescent light and fan fittings should be electrically isolated and inspected in detail for components (e.g. metal canister-type capacitors and ballasts etc.) that may contain PCB's. Any components containing, or suspected to contain, PCB should be removed by a Competent Person when necessary.

Where PCB containing components have been identified / suspected present in a building they may also be present in other similar areas of the same building or in buildings of similar age / construction.

PCB-containing components should be managed in accordance with the general requirements of the WHS Regulation and relevant environmental laws and guidelines including:

- NSW Protection of the Environment Operations (POEO) Act 1997 and subordinate Polychlorinated Biphenyl (PCB) Chemical Control Order 1997; and
- Polychlorinated Biphenyls Management Plan, Revised Edition, April 2003, issued by the Environment Protection and Heritage Council (EPHC).

Any PCB-containing components that exhibit leakage should be removed and replaced by a Competent Person as soon as possible. Access to areas containing leaking components should be suitably restricted in the interim.

The conveyance and disposal of PCB material and PCB waste must be undertaken in accordance with the requirements outlined in the *Polychlorinated Biphenyl (PCB) Chemical Control Order 1997*. All disposal receipts should be retained.

8. Limitations

Douglas has prepared this HAZMAT report for the client as described herein and in accordance with our proposal reference 237003.01.P.001.Rev0 dated 24 July 2025.

This report is provided for the exclusive use of the client for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of Douglas, does so entirely at its own risk and without recourse to Douglas for any loss or damage. In preparing this report Douglas has necessarily relied upon information provided by the client and/or their agents.

The results provided in the report are indicative of the conditions on the Site only at the specific inspection, sampling and testing locations, and then only to the extent practicable and safely accessible at the time the work was carried out. Site conditions may change after Douglas' field inspection, sampling and testing has been completed.

Douglas' advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by Douglas in this report may be affected by undetected variations in Site conditions across the Site between and beyond the inspection, sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by Site accessibility.

This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. Douglas cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by Douglas. This is because this report has been written as advice and opinion rather than instructions for construction.

Although the inspection, sampling and testing plan adopted for this investigation is considered appropriate to achieve the stated project objectives, there are necessarily parts of the Site that have not been inspected, sampled and/or tested. This is either due to undetected variations in conditions or to budget constraints, or to parts of the Site being inaccessible or unavailable, or to occupants, furnishings or stored items preventing access. It is therefore considered possible that HAZMAT, including asbestos, may be present in unobserved or untested parts of the Site, between and beyond the inspection, sampling and testing locations, and hence no warranty can be given that all HAZMAT have been identified.

Inspections are limited to areas that are safely accessible at the time of the inspection without undue damage to building finishes or disturbance of occupants. Inspections exclude hidden and inaccessible locations such as within building cavities, voids and enclosed sections of risers / shafts as well as materials encased within the building structure or located below the exposed ground surface (e.g. pipes, drains and formwork). In addition, residual asbestos materials (e.g. asbestos lagging to pipes and vessels) may remain undiscovered below newer, asbestos-free materials (e.g. preformed SMF insulation). Such residual asbestos materials may not be identified without extensive intrusive investigation and/or dismantling / demolition work if at all.

Any disturbance of building materials, such as during refurbishment, maintenance or demolition work, may reveal additional HAZMAT.

Limitations apply to the laboratory analytical methods used. For example, it can be very difficult or impossible to detect the presence of asbestos in some bulk materials (e.g. vinyl tiles) using the polarised light microscopy analytical method, even after ashing or disintegration of samples. This is due to the small length or diameter of asbestos fibres present in the material or attributed to the fact that very fine fibres have been dispersed individually throughout the material.

While work is undertaken in a professional manner the nature of HAZMAT and the limitations of the method(s) used mean that we cannot guarantee that all HAZMAT or issues of concern have been identified. This report should therefore not be considered a definitive account of all HAZMAT that may be present at the Site.

Douglas personnel are not experienced, licenced or accredited quantity surveyors. Any quantities quoted in this report are initial, unmeasured estimates provided for rudimentary guidance only and should not be relied upon. The services of a licenced quantity surveyor should be engaged to determine reliable quantities.

The recommendations and conclusions contained in this report shall not abrogate a person of their responsibility to work in accordance with statutory requirements, codes of practice, standards, guidelines, safety data sheets, work instructions or industry best practice.

The assessment of atypical safety hazards arising from this advice is restricted to the environmental components set out in this report and based on known project conditions and stated design advice and assumptions. While some recommendations for safe controls may be provided, detailed ‘safety in design’ assessment is outside the current scope of this report and requires additional project data and assessment.

Appendix A

About this Report

Building Layout Plans

About this Report

October 2024

Introduction

These notes have been provided to amplify Douglas' report in regard to classification methods, field procedures and the comments section. Not all are necessarily relevant to all reports.

Douglas' reports are based on information gained from limited subsurface excavations and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

Copyright

This report is the property of Douglas Partners Pty Ltd. The report may only be used for the purpose for which it was commissioned and in accordance with the Engagement Terms for the commission supplied at the time of proposal. Unauthorised use of this report in any form whatsoever is prohibited.

Borehole and Test Pit Logs

The borehole and test pit logs presented in this report are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable or possible to justify on economic grounds. In any case the boreholes and test pits represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes or pits, the frequency of sampling, and the possibility of other than 'straight line' variations between the test locations.

Groundwater

Where groundwater levels are measured in boreholes there are several potential problems, namely:

- In low permeability soils groundwater may enter the hole very slowly or perhaps not at all during the time the hole is left open;
- A localised, perched water table may lead to an erroneous indication of the true water table;
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at the time of construction as are indicated in the report; and
- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water measurements are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

Reports

The report has been prepared by qualified personnel, is based on the information obtained from field and laboratory testing, and has been undertaken to current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal, the information and interpretation may not be relevant if the design proposal is changed. If this happens, Douglas will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface conditions, discussion of geotechnical and environmental aspects, and recommendations or suggestions for design and construction. However, Douglas cannot always anticipate or assume responsibility for:

- Unexpected variations in ground conditions. The potential for this will depend partly on borehole or pit spacing and sampling frequency;
- Changes in policy or interpretations of policy by statutory authorities; or
- The actions of contractors responding to commercial pressures.

If these occur, Douglas will be pleased to assist with investigations or advice to resolve the matter.

About this Report

Site Anomalies

In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, Douglas requests that it be immediately notified. Most problems are much more readily resolved when conditions are exposed rather than at some later stage, well after the event.

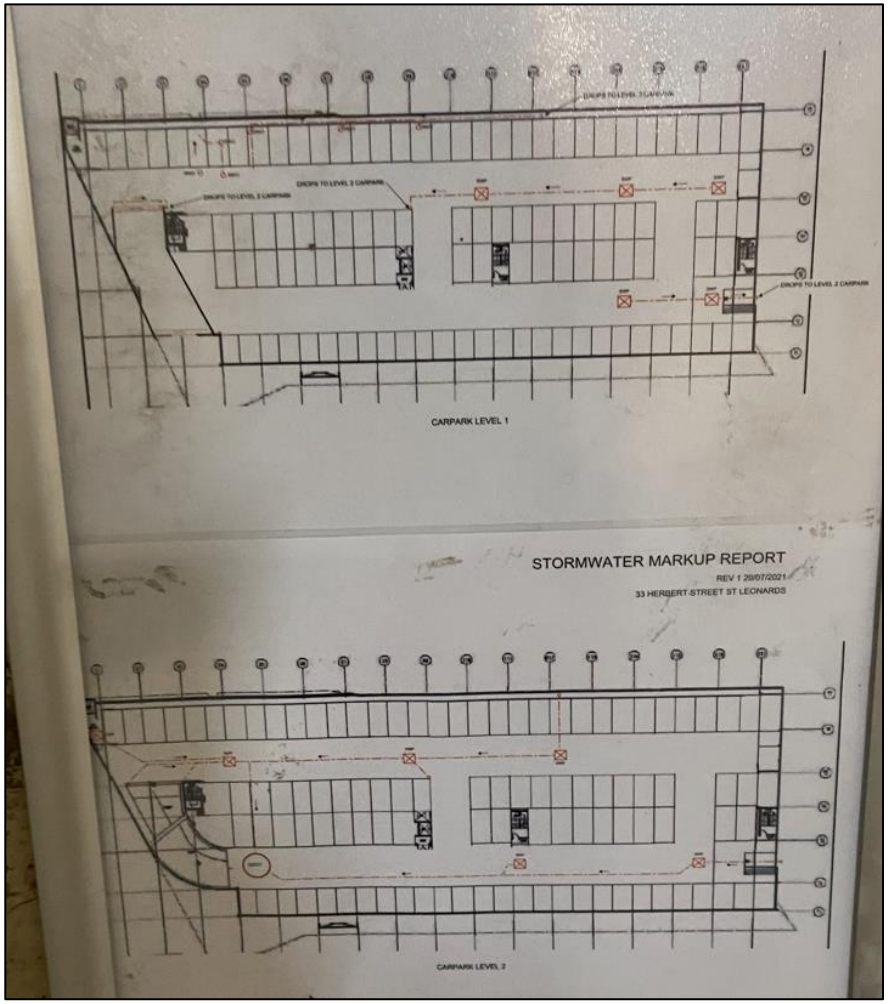
Information for Contractual Purposes

Where information obtained from this report is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. Douglas would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

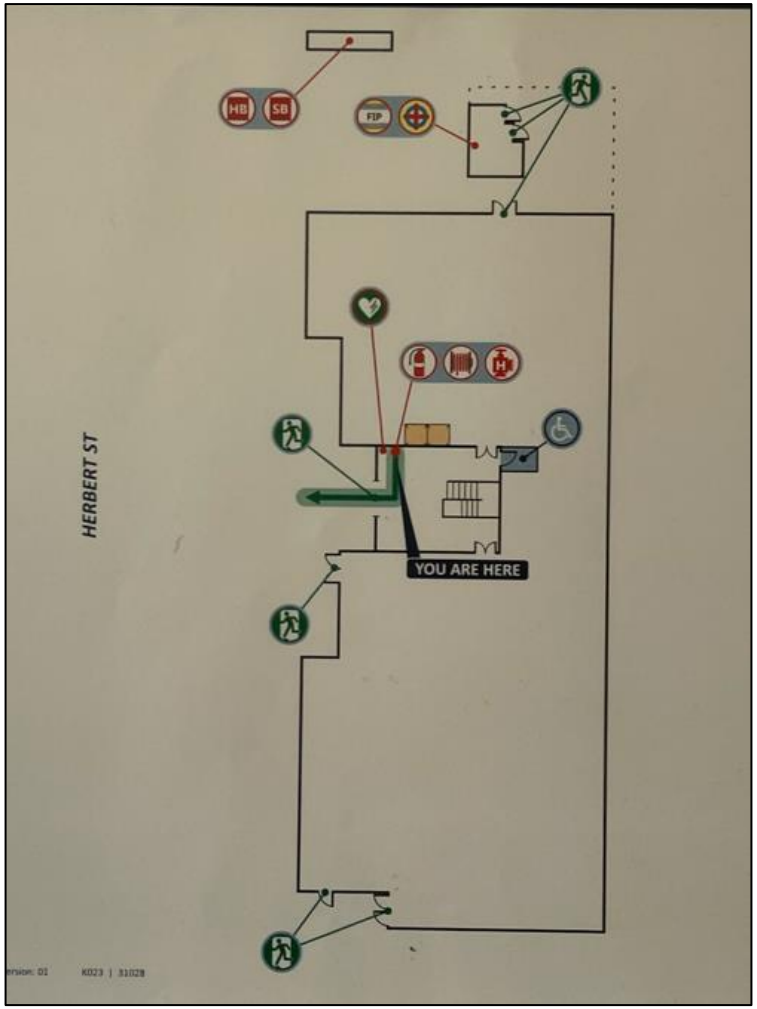
Site Inspection

The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.

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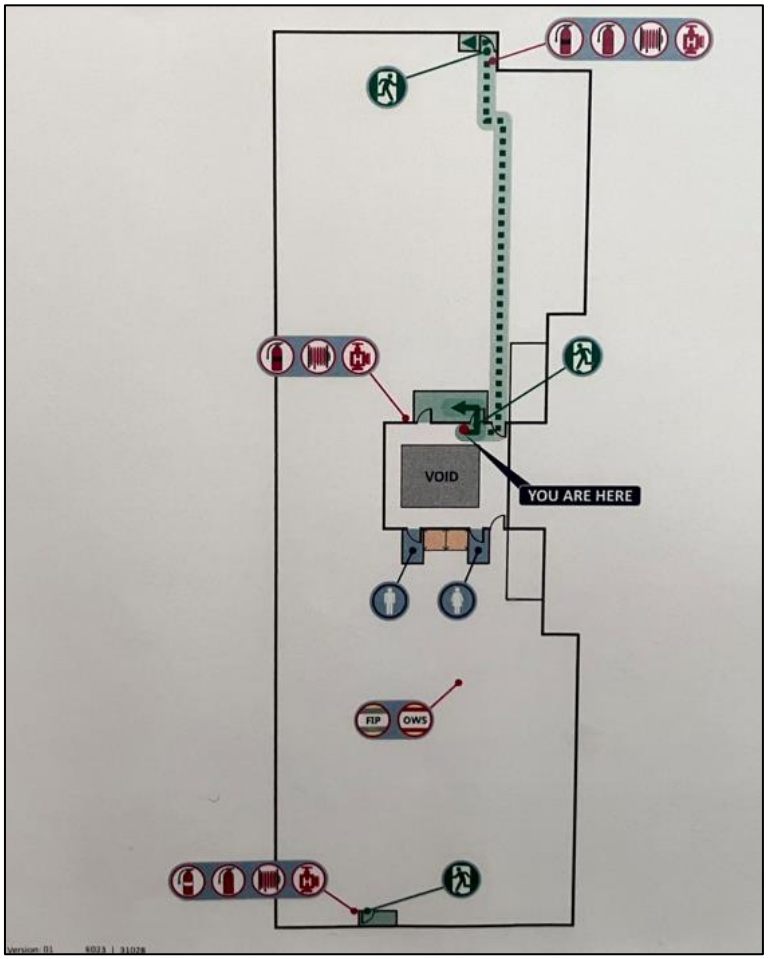


33 Herbert Street, Carpark Levels



33 Herbert Street, Ground Level

Douglas PARTNERS	CLIENT: Aqualand	**33 & 37 Herbert Street**	PROJECT No: 237003.01
	OFFICE: Sydney	**St Leoards NSW**	DWG No: D.001
	DATE: 5 Dec 2025	**Building Layout Plans**	REVISION: 0



33 Herbert Street, Level 2

Douglas PARTNERS	CLIENT: Aqualand	**33 & 37 Herbert Street**	PROJECT No: 237003.01
	OFFICE: Sydney	**St Leoards NSW**	DWG No: D.001
	DATE: 5 Dec 2025	**Building Layout Plans**	REVISION: 0

Appendix B

HAZMAT Register and Photographs,

33 Herbert Street (Office Block)

Project No: 237003.01

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	exterior façade	eaves	fibre cement sheeting	refer 33-L2-A08	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	exterior façade	wall cladding generally	fibre cement board	similar 33-R-A04, 32-L-A09	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	exterior façade	planter boxes	fibre cement	similar to 33-L1E-A02	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	interior	air conditioning ductwork, heater banks	insulation	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	rooftop	plant areas, pipework insulation	black foam	N/A	no asbestos visually identified	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1, 2	No asbestos visually identified.
33 Herbert Street	rooftop	lift motor room, entrance, fire door (Fire Control c. 2000's)	insulating core	N/A	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	rooftop	lift motor room, lift plant (x2)	internal components (e.g. brake pads)	N/A	asbestos brake pads removed (RiskTech 2023)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	RiskTech (2023) and Kone (2023) indicate that brake pads were replaced relatively recently. Ensure any remaining asbestos materials are removed prior to any accidental disturbance (e.g. refurbishment or demolition work).

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33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	rooftop	lift motor room, electrical panel for Lift No. 1 & 2	internal components	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	rooftop	air conditioning plant rooms x2 (north and south), exterior doors (no tags)	possible insulating core	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6, 7	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	rooftop	air conditioning deck north, perimeter wall (east side)	fibre cement sheeting	33-R-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	No asbestos identified.
33 Herbert Street	rooftop	air conditioning deck north, perimeter wall (north side)	fibre cement sheeting	33-R-A02	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	No asbestos identified.
33 Herbert Street	rooftop	air conditioning deck south, perimeter wall (south side)	fibre cement sheeting	33-R-A06	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	No asbestos identified.
33 Herbert Street	rooftop	air conditioning decks x2 (north and south), perimeter walls	fibre cement sheeting	refer 33-R-A01, A02 and A06	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9, 10	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	rooftop	air conditioning plant room north, exterior north wall	fibre cement board	33-R-A03	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11	No asbestos identified.

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33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	rooftop	air conditioning plant room north and south, façade generally	fibre cement board	refer 33-R-A03	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	rooftop	eastern skylight, fascia	fibre cement board	33-R-A04	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13	No asbestos identified.
33 Herbert Street	rooftop	skylights generally, fascia	fibre cement board	refer 33-R-A04	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	similar 13	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	rooftop	southeast section, air handling duct work (Unit OPA 101R)	gusset	33-R-A05	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14	No asbestos identified.
33 Herbert Street	rooftop	southern plant room, duct penetration panel	fibrous insulation panel	33-R-A07	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15	No asbestos identified.
33 Herbert Street	rooftop	southern plant room, exit to stairwell, fire door (Pyropanel c. 1980's)	insulating core	N/A	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16	Suspected non-asbestos (compliance plate states "Asbestos Free Fire Door"). Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	Level 2, Suite 2.01 to 2.03	exterior areas, planter box, lining	fibre cement sheeting	refer 33-L1E-A02	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.

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33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	Suite 2.03	western side, eave lining	fibre cement sheeting	33-L2-A08	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18	No asbestos identified.
33 Herbert Street	Suite 2.03	western side, fascia lining	fibre cement sheeting	33-L2-A09	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19	No asbestos identified.
33 Herbert Street	Suite 2.03	south end, hot water unit enclosure, wall linings	fibre cement sheeting	N/A	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	Suite 2.03	south end, exit to fire stairs, fire door (Pyropanel c. 1980's)	insulating core	N/A	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21	Suspected non-asbestos (compliance plate states "Asbestos Free Fire Door"). Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	Suite 2.03	Easy access toilets (x2)	wall and floor linings below ceramic tiles	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	Suite 2.02	eastern side, window infill panel	fibre cement sheeting	33-L2-A10	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	similar 23	No asbestos identified.
33 Herbert Street	Suite 2.02	eastern side, window infill panels generally	fibre cement sheeting	refer 33-L2-A10	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.

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33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	Suite 2.01	northern and eastern side, window infill panels	fibre cement sheeting	refer 33-L2-A10	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	24	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	Suite 2.01	northern end, exit to fire stairs, fire door (Pyropanel c. 1980's)	insulating core	N/A	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25	Suspected non-asbestos (compliance plate states "Asbestos Free Fire Door"). Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	Level 2, common area	ceiling and upper walls	linings generally	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	26	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	Level 2, common area	kitchenette, floor	grey vinyl tiles	33-L2-A11	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	27	No asbestos identified.
33 Herbert Street	Level 2, common area	electrical room (via kitchenette), floor	grey vinyl tiles	refer 33-2-A11	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32	Suspected non-asbestos. Consider conducting confirmatory sampling and analysis for asbestos prior to disturbance.
33 Herbert Street	Level 2, common area	electrical room (via kitchenette), door	possible insulating core	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	Level 2, common area	electrical room (via kitchenette), various electrical cabinets	internal components	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.

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33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	Level 2, common area	male toilets, ceiling cavity	fibre cement fragment	33-L2-A12	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	No asbestos identified.
33 Herbert Street	Level 2, common area	male and female toilets	wall and floor linings below ceramic tiles	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	Level 1, Suite 1.01	store room wall	fibre cement panel	33-101-A02	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1, Suite 1.01	kitchen floor	paper backing to vinyl floor tile	33-VFT-A02	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1, Suite 1.03	ceiling cavity, eave lining	fibre cement	33-S3-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1, Suite 1.02	kitchen	grey vinyl tile backing	33-102-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1, Suite 1.02	kitchen	grey vinyl tile	33-102-A02	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1, Suite 1.02	kitchen	purple vinyl tile	33-102-A03	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.

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33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	Level 1, Suite 1.02	wall panel in ceiling	fibre cement sheeting	33-102-A04	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	exterior eastern end	planter box lining	fibre cement sheeting	33-EXT-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	exterior northern end	brick wall, expansion joint	bituminous mastic	33-EXT-A02	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1	kitchen floor	grey vinyl tile	33-L1-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1	electrical room, floor	white vinyl tile	33-101-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Basement B1	wall, expansion joint	sealant / mastic	33-B1-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Basement B2	wall, expansion joint	sealant / mastic	33-B2-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Basement B2	wall, expansion joint	sealant / mastic	33-B2-A02	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.

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33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	Level 1, Suite 103	balcony	membrane	33-L1E-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1, Suite 103	balcony, planter box lining	fibre cement sheeting	33-L1E-A02	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
33 Herbert Street	Level 1, Suite 1.01	floor	orange vinyl tile	33-VFT-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.

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HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD PAINT SCREENING ASSESSMENT

						Analytical Results			
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample / Test No.**	**Spot Test Result**	**Analyte**	**% w/w**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	rooftop	Lift motor room, door frame	blue / turquoise paint	33-R-LP01	N/A	lead	0.073	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	rooftop	air-conditioning plant room north, plant cover	red paint	33-R-LP02	N/A	lead	0.04	33	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	rooftop	exterior walkway, handrail	yellow paint	33-R-LP03	N/A	lead	0.058	34	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	rooftop	exterior, roof fascia	cream/grey paint	33-R-LP04	N/A	lead	<0.005	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	Level 2	northern stairwell, handrail	green/grey paint	33-L2-LP05	N/A	lead	0.04	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	Level 2	Suite 2.03, fire door frame	blue paint	33-L2-LP07, Spot Test 2	negative	lead	0.02	35	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.

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HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD PAINT SCREENING ASSESSMENT

						Analytical Results			
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample / Test No.**	**Spot Test Result**	**Analyte**	**% w/w**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	Level 2	Suite 2.03, hallway, concrete column	white paint	Spot Test 1	negative	N/A	N/A	N/A	Negative spot test result for lead (no apparent colour change observed).
33 Herbert Street	Basement B1	handrail	green paint	33-B1-LP01	N/A	lead	**0.11**	43	Lead paint identified (>0.1 % lead w/w per AS/NZS 4361.2). Any areas of damaged paint and any associated dust and debris should be removed. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls to prevent exposure and dispersal during occupation, building work (e.g., refurbishment and demolition) and any lead paint abatement activity.
33 Herbert Street	Basement B2	hydrant	red paint	33-B2-LP01	N/A	lead	**0.40**	44	Lead paint identified (>0.1 % lead w/w per AS/NZS 4361.2). Any areas of damaged paint and any associated dust and debris should be removed. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls to prevent exposure and dispersal during occupation, building work (e.g., refurbishment and demolition) and any lead paint abatement activity.
33 Herbert Street	Level 1, suite 1.03	planter box	paint	33-L1E-LP01	N/A	lead	<0.005	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	Level 1, main foyer	stairs	brown paint	33-S-LP01	N/A	lead	<0.005	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.

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RESULTS - LEAD PAINT SCREENING ASSESSMENT

						Analytical Results			
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample / Test No.**	**Spot Test Result**	**Analyte**	**% w/w**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	Level 1, main foyer	stair railing	grey paint	33-S-LP02	N/A	lead	0.03	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	exterior	southern fence	red paint	33-EXT-LP01	N/A	lead	0.01	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	exterior, southern facade	wall	grey paint	33-EXT-LP02	N/A	lead	<0.005	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	exterior, western façade	handrail	grey paint	33-EXT-LP03	N/A	lead	0.01	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	exterior, driveway	floor	yellow paint	33-EXT-LP04	N/A	lead	<0.005	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	exterior, basement entrance	roller door	green paint	33-EXT-LP05	N/A	lead	<0.005	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.

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33 & 37 Herbert Street, St Leonards

RESULTS - LEAD PAINT SCREENING ASSESSMENT

						Analytical Results			
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample / Test No.**	**Spot Test Result**	**Analyte**	**% w/w**	**Photo No.**	**Summary Comment/Recommendation**
33 Herbert Street	Level 1, electric room	door	green paint	33-L1ER-LP01	N/A	lead	0.03	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	Ground level, G.01	wall void door	white paint	33-G01-LP01	N/A	lead	<0.005	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
33 Herbert Street	throughout building	materials in general	paints in general	refer 33-B1-LP01 and 33-B2-LP01	N/A	N/A	N/A	N/A	**May comprise lead paints**. Conduct further confirmatory sample analysis and/or testing for lead in paint as necessary, prior to any significant disturbance of paints. Minimise disturbance of any lead-containing paints and implement controls to prevent exposure and dispersal during any lead paint abatement activity and any building work (e.g. maintenance, refurbishment and demolition). Classify material for disposal in accordance with the NSW EPA Waste Classification Guidelines and segregate material, if required, for disposal.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD IN CEILING CAVITY DUST

Building	Room / Area	Material Location	Material Type	Sample No.	Result (mg/m^2)	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	Ground level, G.01	ceiling cavity	settled dust / debris	33-G-LD02	1.2	**Lead detected**	N/A	Lead detected. Ensure access to building cavity(s) is adequately restricted and entry is only made under controlled conditions. Consider removing lead contamination if reasonably practicable to do so and prior to any substantive disturbance. Implement appropriate controls to prevent exposure and dispersal including during building occupation and any building work (e.g. maintenance, refurbishment and demolition).
33 Herbert Street	Level 1, Suite 1.01	ceiling cavity	settled dust / debris	33-L1-LD01	**6.8**	**Lead detected**	N/A	Lead detected. Ensure access to building cavity(s) is adequately restricted and entry is only made under controlled conditions. Consider removing lead contamination if reasonably practicable to do so and prior to any substantive disturbance. Implement appropriate controls to prevent exposure and dispersal including during building occupation and any building work (e.g. maintenance, refurbishment and demolition).

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD IN CEILING CAVITY DUST

Building	Room / Area	Material Location	Material Type	Sample No.	Result (mg/m^2)	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	Level 1, Suite 1.02	ceiling cavity	settled dust / debris	33-L1-LD02	**0.8**	**Lead detected**	N/A	Lead detected. Ensure access to building cavity(s) is adequately restricted and entry is only made under controlled conditions. Consider removing lead contamination if reasonably practicable to do so and prior to any substantive disturbance. Implement appropriate controls to prevent exposure and dispersal including during building occupation and any building work (e.g. maintenance, refurbishment and demolition).
33 Herbert Street	Level 2, Suite 2.03	ceiling cavity	settled dust / debris	33-L2-LD01	**5.2**	**Lead detected**	N/A	Lead detected. Ensure access to building cavity(s) is adequately restricted and entry is only made under controlled conditions. Consider removing lead contamination if reasonably practicable to do so and prior to any substantive disturbance. Implement appropriate controls to prevent exposure and dispersal including during building occupation and any building work (e.g. maintenance, refurbishment and demolition).

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD IN CEILING CAVITY DUST

Building	Room / Area	Material Location	Material Type	Sample No.	Result (mg/m^2)	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	rooms and areas in general	ceiling and similar building cavities in general	settled dust / debris	refer all dust samples above	N/A	**elevated lead concentration suspected**	N/A	Elevated lead concentration suspected. Undertake confirmatory sampling and analysis for lead prior to disturbance. Ensure access to building cavity(s) is adequately restricted and entry is only made under controlled conditions. Remove lead contamination if reasonably practicable to do so and prior to any substantive disturbance. Implement appropriate controls to prevent exposure and dispersal including during building work (e.g. maintenance, refurbishment and demolition).

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - SYNTHETIC MINERAL FIBRE (SMF)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	rooftop, Lift Motor Room	underside of roof	insulation	N/A	**SMF identified visually**	36	SMF identified. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls to, where required, to prevent exposure and dispersal during building occupation, building work (e.g. maintenance, refurbishment and demolition) and any SMF abatement activity.
33 Herbert Street	rooftop, air conditioning plant rooms x2 (north and south)	underside of roof	insulation	N/A	**SMF identified visually**	37	SMF identified. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls to, where required, to prevent exposure and dispersal during building occupation, building work (e.g. maintenance, refurbishment and demolition) and any SMF abatement activity.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - SYNTHETIC MINERAL FIBRE (SMF)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	rooftop, air conditioning plant rooms x2 (north and south)	air handling plant and ductwork generally, internals	insulation	N/A	**SMF (suspected)**	38	Inaccessible area/material. Insulation suspected to comprise SMF. Confirm insulation type by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.
33 Herbert Street	rooftop, air conditioning plant rooms x2 (north and south)	service penetrations, insulation bags	insulation	N/A	**SMF (suspected)**	39	Inaccessible area/material. Insulation suspected to comprise SMF. Confirm insulation type by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.
33 Herbert Street	All levels generally	suspended ceilings generally	fibrous ceiling tiles	N/A	**SMF identified visually**	40	SMF identified. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls to, where required, to prevent exposure and dispersal during building occupation, building work (e.g. maintenance, refurbishment and demolition) and any SMF abatement activity.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - SYNTHETIC MINERAL FIBRE (SMF)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	All levels generally	air handling plant and ductwork generally, internals	insulation	N/A	**SMF (suspected)**	42	Inaccessible area/material. Insulation suspected to comprise SMF. Confirm insulation type by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.
33 Herbert Street	Level 2, Suite 2.01 to 2.03	portions of roof above suspended ceilings	bulk insulation	N/A	**SMF (suspected)**	41	Inaccessible area/material. Insulation suspected to comprise SMF as a precaution. Confirm insulation type by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - SYNTHETIC MINERAL FIBRE (SMF)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	Ground Floor and Level 1	ceiling cavities	insulation	N/A	**SMF (suspected)**	N/A	Inaccessible area/material. Insulation suspected to comprise SMF as a precaution. Confirm insulation type by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.
33 Herbert Street	Suite 2.03	southern end, hot water unit (c. 2007)	bulk insulation	N/A	**SMF (suspected)**	N/A	Inaccessible area/material. Insulation suspected to comprise SMF as a precaution. Confirm insulation type by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - SYNTHETIC MINERAL FIBRE (SMF)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	Level 2, common area	kitchenette, hot water unit (c. 2018)	bulk insulation	N/A	**SMF (suspected)**	N/A	Inaccessible area/material. Insulation suspected to comprise SMF as a precaution. Confirm insulation type by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - POLYCHLORINATED BIPHENYLS (PCBs)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	rooftop, Lift Motor Room	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	nil PCB (suspected)	N/A	Inaccessible area/material. Nil PCB containing capacitors suspected based on apparent age of building construction (1980's onwards). As a precaution, confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	rooftop, air-conditioning plant room north	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	nil PCB (suspected)	N/A	Inaccessible area/material. Nil PCB containing capacitors suspected based on apparent age of building construction (1980's onwards). As a precaution, confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	rooftop, air-conditioning plant room south	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	nil PCB (suspected)	N/A	Inaccessible area/material. Nil PCB containing capacitors suspected based on apparent age of building construction (1980's onwards). As a precaution, confirm status of hazardous material(s) when safe access available and prior to any disturbance.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - POLYCHLORINATED BIPHENYLS (PCBs)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	rooftop, exterior areas (including plant enclosures)	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	nil PCB (suspected)	N/A	Inaccessible area/material. Nil PCB containing capacitors suspected based on apparent age of building construction (1980's onwards). As a precaution, confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	Level 2, stairwell to roof	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	nil PCB (suspected)	N/A	Inaccessible area/material. Nil PCB containing capacitors suspected based on apparent age of building construction (1980's onwards). As a precaution, confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	fire exit stairwells, north and south	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	nil PCB (suspected)	N/A	Inaccessible area/material. Nil PCB containing capacitors suspected based on apparent age of building construction (1980's onwards). As a precaution, confirm status of hazardous material(s) when safe access available and prior to any disturbance.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - POLYCHLORINATED BIPHENYLS (PCBs)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
33 Herbert Street	Level 2, Suite 2.01 to 2.03	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	nil PCB (suspected)	N/A	Inaccessible area/material. Nil PCB containing capacitors suspected based on apparent age of building construction (1980's onwards). As a precaution, confirm status of hazardous material(s) when safe access available and prior to any disturbance.
33 Herbert Street	rooms and areas in general	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	nil PCB (suspected)	N/A	Inaccessible area/material. Nil PCB containing capacitors suspected based on apparent age of building construction (1980's onwards). As a precaution, confirm status of hazardous material(s) when safe access available and prior to any disturbance.



Photograph 1: 33 Herbert Street, rooftop, plant areas, pipework insulation, black foam, no asbestos visually identified.



Photograph 2: 33 Herbert Street, rooftop, plant areas, pipework insulation, black foam, no asbestos visually identified.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs** **HAZMAT Survey** **33 Herbert Street, St Leonards**	PROJECT: 237003.01 PLATE No: 1 REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25

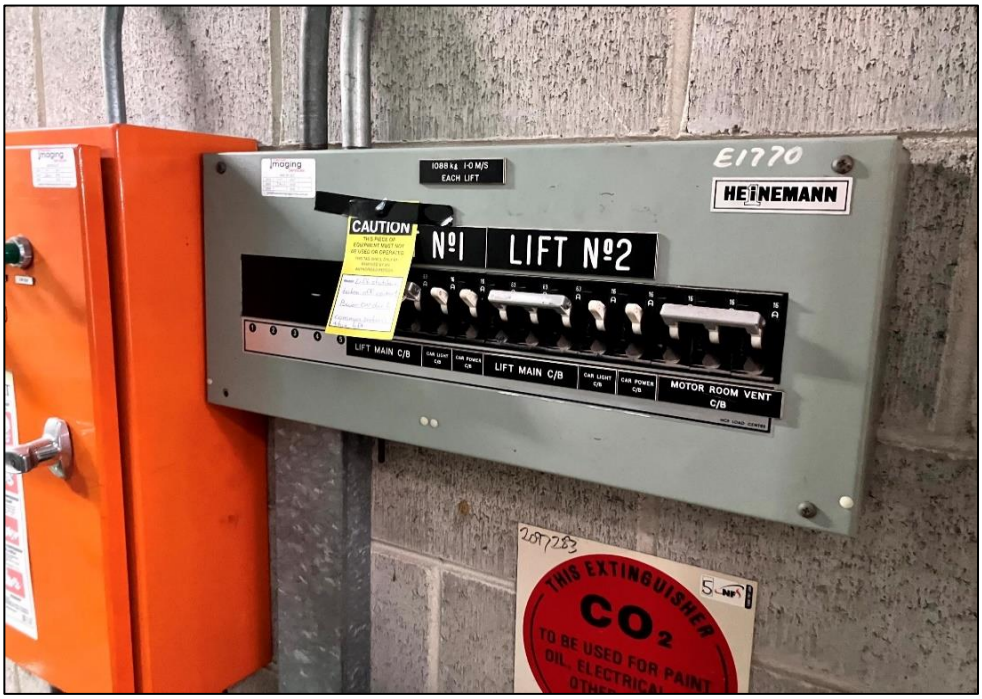


Photograph 3: 33 Herbert Street, rooftop, lift motor room, entrance, fire door (Fire Control c. 2000's), insulating core, suspected non-asbestos.



Photograph 4: 33 Herbert Street, rooftop, lift motor room, lift plant (x2).

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 2
	33 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 5: 33 Herbert Street, rooftop, lift motor room, electrical panel for Lift No. 1 & 2, internal components, inaccessible.



Photograph 6: 33 Herbert Street, rooftop, air conditioning plant rooms, exterior doors (no tags), possible insulating core.



Photograph 7: 33 Herbert Street, rooftop, air conditioning plant rooms, exterior doors (no tags), possible insulating core.



Photograph 8: 33 Herbert Street, rooftop, deck north, perimeter wall east, fibre cement sheeting, no asbestos detected by analysis.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs** **HAZMAT Survey** **33 Herbert Street, St Leonards**	PROJECT: 237003.01 PLATE No: 4 REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 9: 33 Herbert Street, rooftop, deck north, perimeter wall north, fibre cement sheeting, no asbestos detected by analysis.



Photograph 10: 33 Herbert Street, rooftop, deck south, perimeter wall south, fibre cement sheeting, no asbestos detected by analysis.

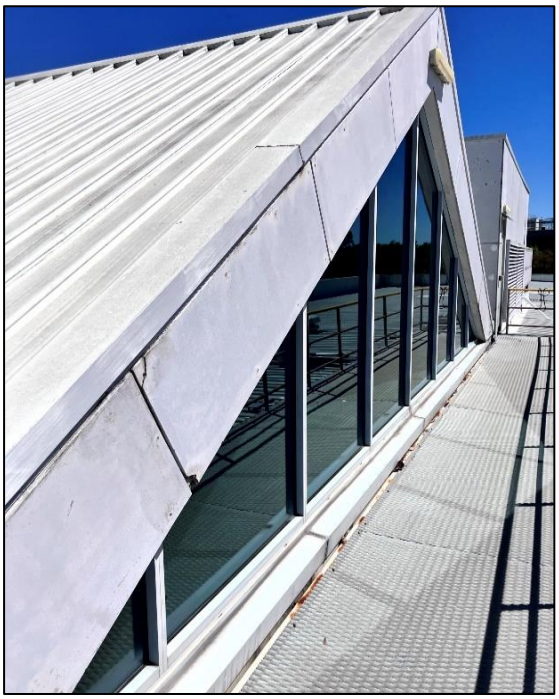


Photograph 11: 33 Herbert Street, rooftop, A/C plant room north, exterior wall, fibre cement board, no asbestos detected by analysis.

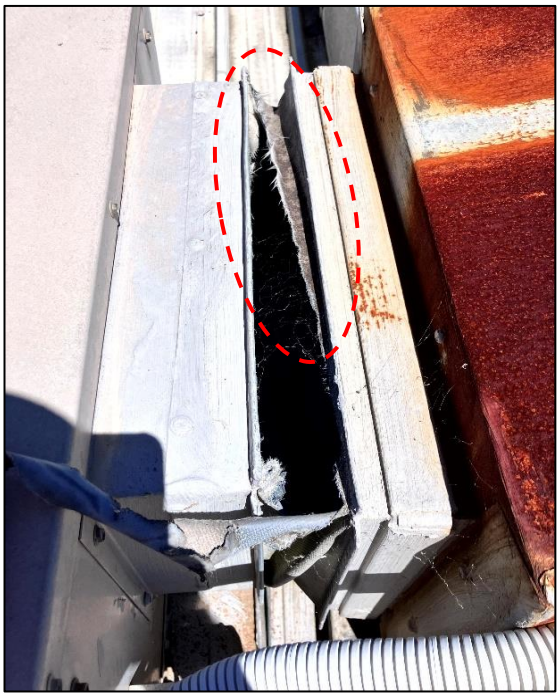


Photograph 12: 33 Herbert Street, rooftop, air conditioning plant rooms, façade generally, fibre cement board, suspected non-asbestos.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 6
	33 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 13: 33 Herbert Street, rooftop, eastern skylight, fascia, fibre cement board, no asbestos detected by analysis.



Photograph 14: 33 Herbert Street, rooftop, southeast section, air handling duct work (Unit OPA 101R), gusset, no asbestos detected by analysis.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 7
	33 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 15: 33 Herbert Street, rooftop, southern plant room, duct insulation panel, no asbestos detected by analysis.



Photograph 16: 33 Herbert Street, rooftop, southern plant room, exit to stairwell, fire door, insulating core, suspected non-asbestos.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 8
	33 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 17: 33 Herbert Street, Level 2, Suite 2.01 to 2.03, exterior areas, planter box linings, fibre cement sheeting, suspected non-asbestos.



Photograph 18: 33 Herbert Street, Suite 2.03, western side, eave lining, fibre cement sheeting, no asbestos detected by analysis.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs** **HAZMAT Survey** **33 Herbert Street, St Leonards**	PROJECT: 237003.01 PLATE No: 9 REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



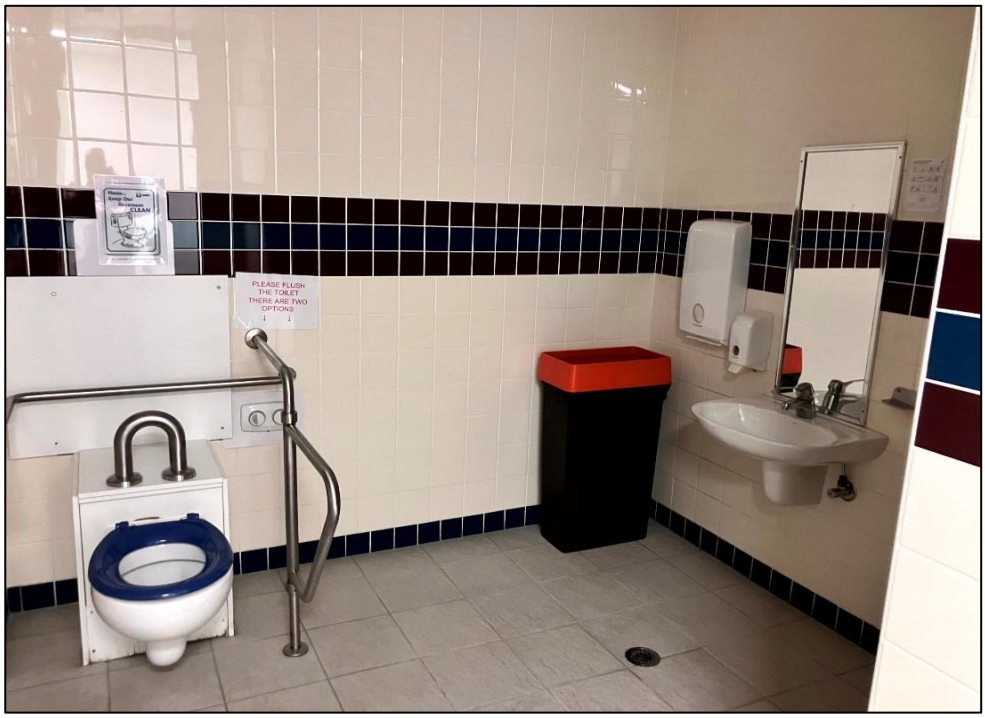
Photograph 19: 33 Herbert Street, Suite 2.03, western side, fascia lining, fibre cement sheeting, no asbestos detected by analysis.



Photograph 20: 33 Herbert Street, Suite 2.03, south end, hot water unit enclosure, walls, fibre cement sheeting, suspected non-asbestos.

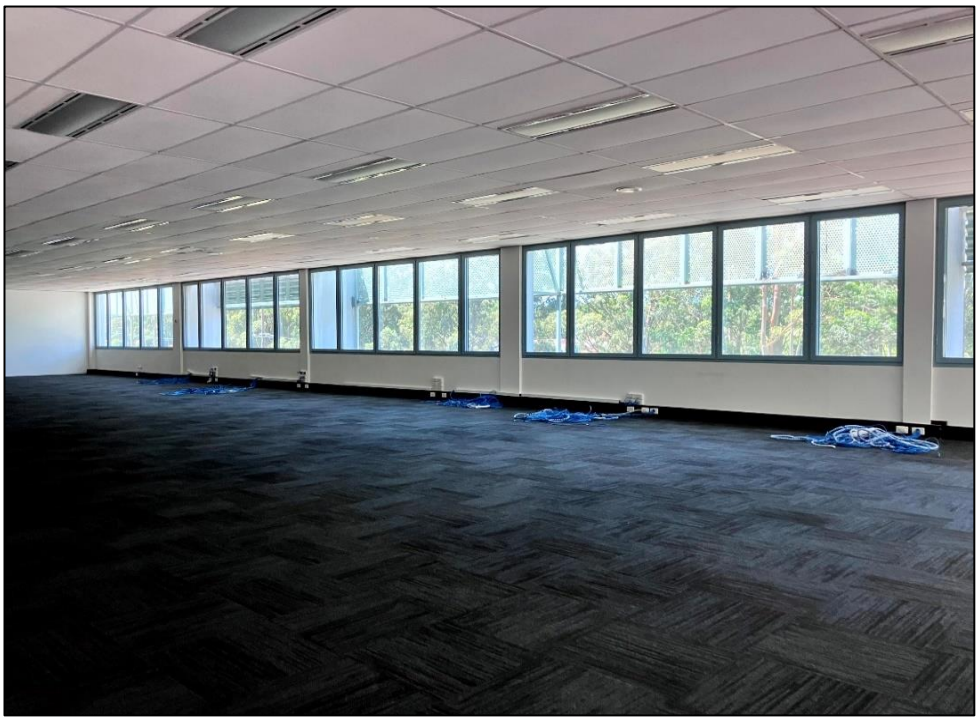


Photograph 21: 33 Herbert Street, Suite 2.03, southern end, exit to fire stairs, fire door, insulating core, suspected non-asbestos.

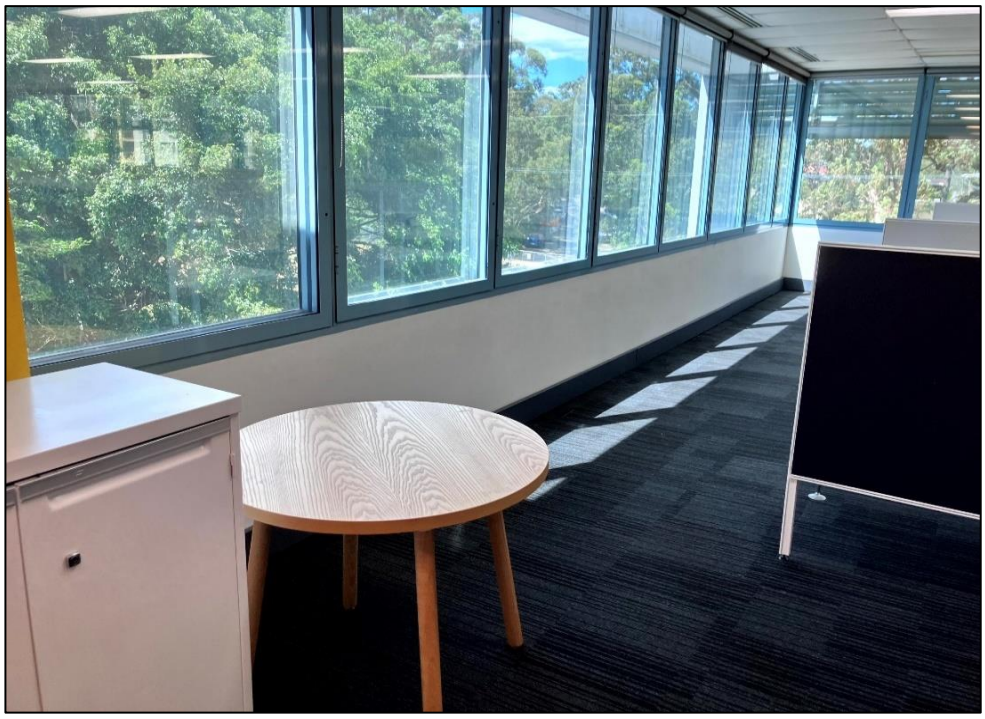


Photograph 22: 33 Herbert Street, Suite 2.03, Easy access toilets (x2), wall and floor linings below ceramic tiles, inaccessible.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 11
	33 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



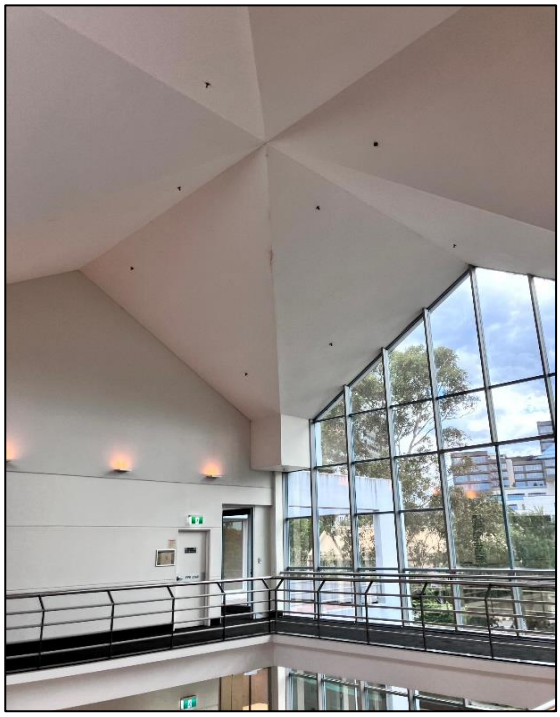
Photograph 23: 33 Herbert Street, Suite 2.02, eastern side, window infill panels generally, fibre cement sheeting, suspected non-asbestos.



Photograph 24: 33 Herbert Street, Suite 2.01, northern and eastern side, window infill panels, fibre cement sheeting, suspected non-asbestos.



Photograph 25: 33 Herbert Street, Suite 2.01, northern end, exit to fire stairs, fire door, insulating core, suspected non-asbestos.



Photograph 26: 33 Herbert Street, Level 2, common area, ceiling and upper walls, linings generally, inaccessible.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 13
	33 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 27: 33 Herbert Street, Level 2, common area, kitchenette, floor, grey vinyl tiles, no asbestos detected by analysis.



Photograph 28: 33 Herbert Street, Level 2, common area, electrical room (via kitchenette), door, possible insulating core, inaccessible.

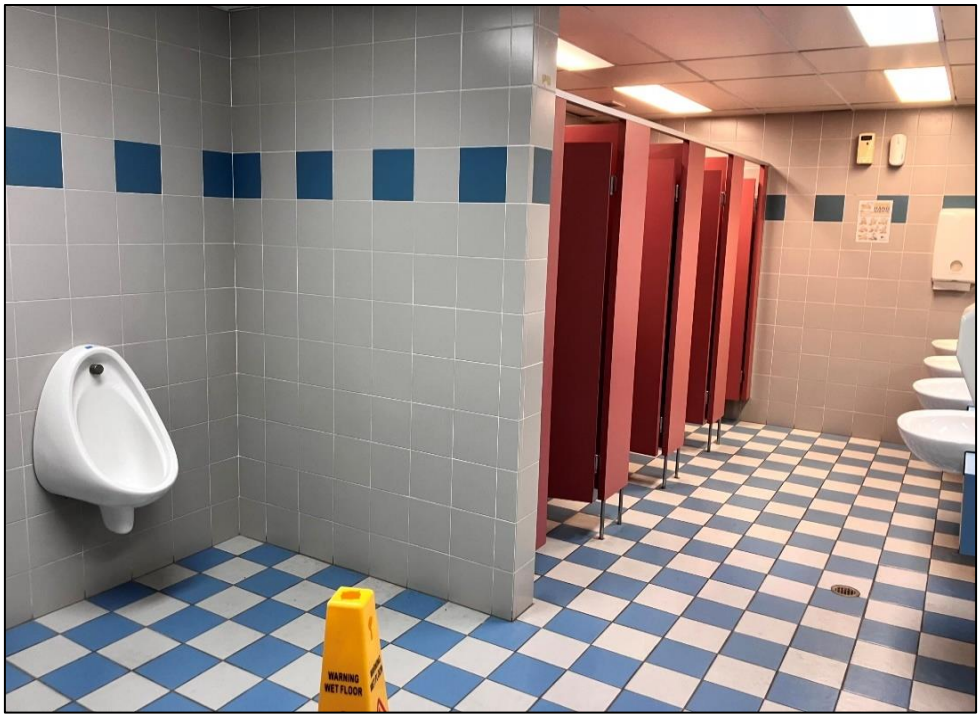


Photograph 29: 33 Herbert Street, Level 2, common area, electrical room (via kitchenette), various electrical cabinets, internals, inaccessible.

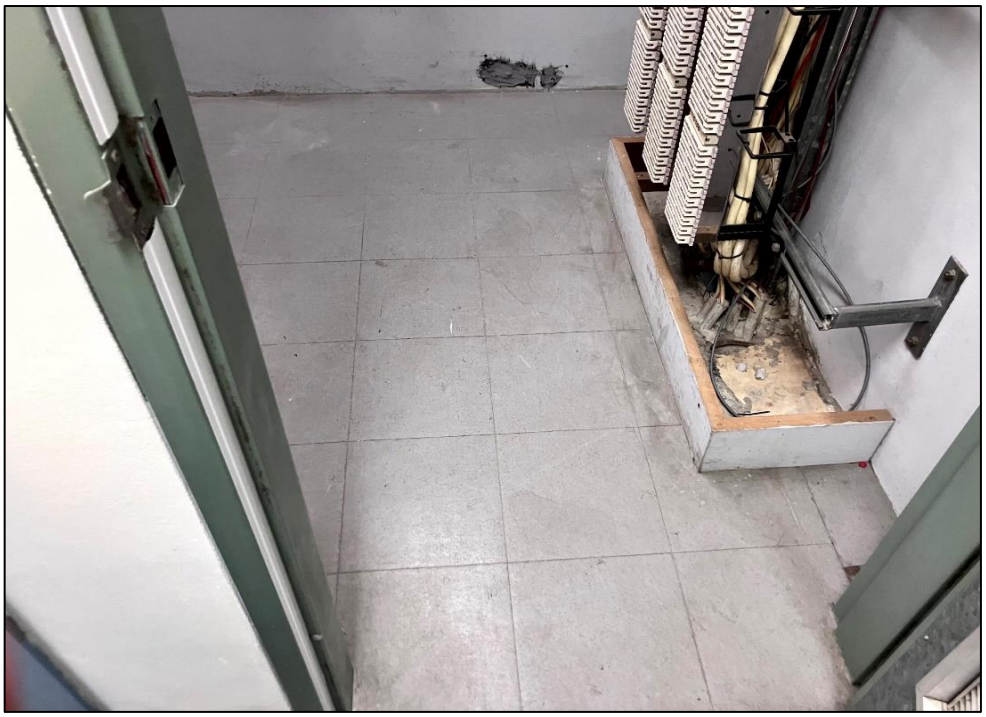


Photograph 30: 33 Herbert Street, Level 2, common area, male toilets, ceiling cavity, fibre cement fragment, no asbestos detected by analysis.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs** **HAZMAT Survey** **33 Herbert Street, St Leonards**	PROJECT: 237003.01 PLATE No: 15 REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 31: 33 Herbert Street, Level 2, common area, male and female toilets, wall and floor linings below ceramic tiles, inaccessible.

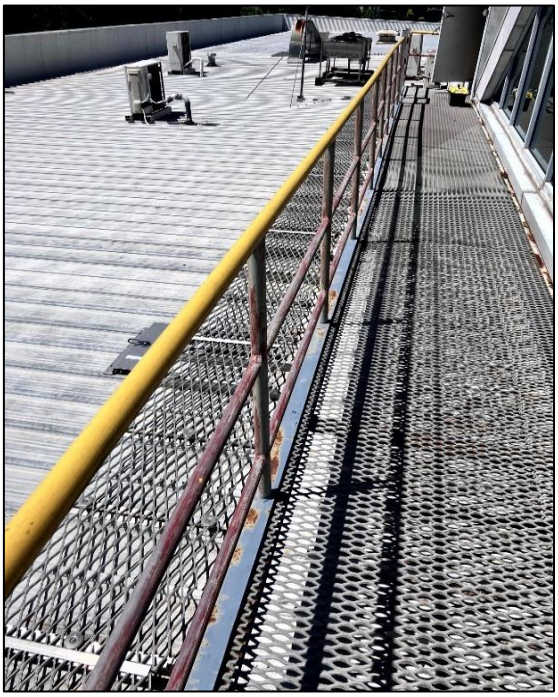


Photograph 32: 33 Herbert Street, Level 2, common area, electrical room (via kitchenette), floor, grey vinyl tiles, suspected non-asbestos.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 16
	33 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 33: 33 Herbert Street, rooftop, air-conditioning plant room north, plant cover, red paint.



Photograph 34: 33 Herbert Street, rooftop, exterior walkway, handrail, yellow paint.



Photograph 35: 33 Herbert Street, Level 2, Suite 2.03, fire door frame, blue paint.

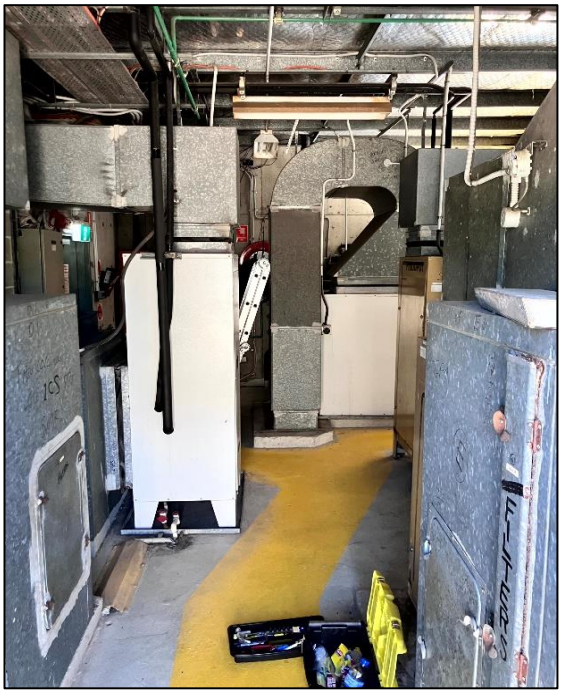


Photograph 36: 33 Herbert Street, rooftop, Lift Motor Room, underside of roof, insulation, SMF identified visually.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 18
	33 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 37: 33 Herbert Street, rooftop, air conditioning plant rooms, underside of roof, insulation, SMF identified visually.



Photograph 38: 33 Herbert Street, rooftop, air conditioning plant rooms, air handling plant and ductwork generally, internals, insulation, SMF (suspected).



Photograph 39: 33 Herbert Street, rooftop, air conditioning plant rooms, service penetrations, insulation bags, insulation, SMF (suspected).



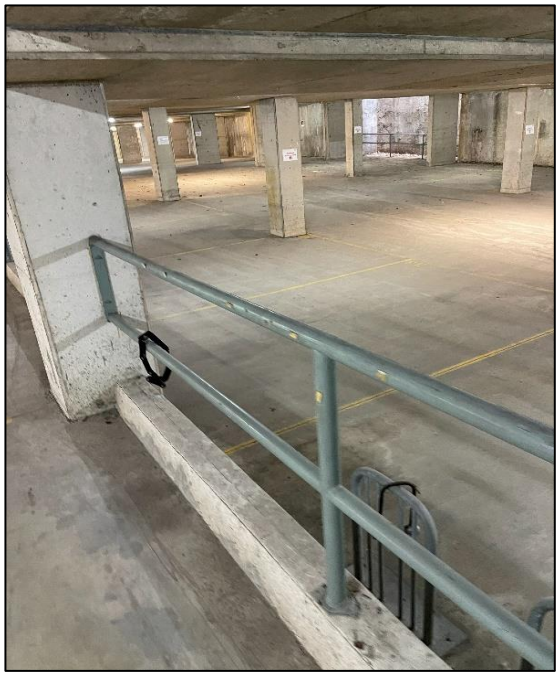
Photograph 40: 33 Herbert Street, Level 2, Suite 2.01 to 2.03, suspended ceilings generally, fibrous ceiling tiles, SMF identified visually.



Photograph 41: 33 Herbert Street, Level 2, Suite 2.01 to 2.03, portions of roof above suspended ceilings, insulation, SMF (suspected).



Photograph 42: 33 Herbert Street, Level 2, Suite 2.01 to 2.03, ceiling cavities, air-handling duct work, bulk insulation generally, SMF (suspected).



Photograph 43: 33 Herbert Street, Basement B1, handrail, green paint, lead paint(s) identified.



Photograph 44: 33 Herbert Street, Basement B2, hydrant, red paint, lead paint(s) identified.

Appendix C

HAZMAT Register and Photographs,

37 Herbert Street (Warehouse)

Project No: 237003.01

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
37 Herbert Street	male, female and disabled toilets	ceiling lining	potential fibre cement product	N/A	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Site asbestos register reports that asbestos containing material was previously removed. Proceed with caution.
37 Herbert Street	front (south) section	disabled toilet	substrate below ceramic tiled surfaces	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
37 Herbert Street	areas in general	fire doors (no compliance tags)	potential insulation	N/A	inaccessible	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
37 Herbert Street	southern staircase	fire door	internal insulation	N/A	**suspected asbestos**	2	1	1	1	2	1	8	Low	3	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
37 Herbert Street	electrical cupboard	wall joint(s)	mastic	37-A01	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
37 Herbert Street	western fire stairs	ceiling void, southern fire door exit	fibre cement sheeting fragment	37-A02	**asbestos detected by analysis**	2	2	2	2	2	1	11	Moderate	4	Remove asbestos material prior to any disturbance (e.g. during maintenance, refurbishment or demolition work). Removal must be undertaken by a suitably licensed asbestos removalist.
37 Herbert Street	western fire stairs	fire door	mastic	37-A03	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.
37 Herbert Street	exterior northwest	window panel	fibre cement sheeting	37-A04	no asbestos detected by analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No asbestos identified.

Project No: 237003.01

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
37 Herbert Street	exterior northwest	eave linings	fibre cement sheeting	N/A	**suspected asbestos**	1	1	1	1	2	0	6	Low	5	Remove asbestos material prior to any disturbance (e.g. during maintenance, refurbishment or demolition work). Removal must be undertaken by a suitably licensed asbestos removalist.
37 Herbert Street	level 1, offices	fire doors	insulation	N/A	suspected non-asbestos	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.
37 Herbert Street	northern side of building throughout	northern wall void	fibre cement debris	similar 3991-001-004 (sic)	**suspected asbestos**	1	3	0	0	0	1	5	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.
37 Herbert Street	northern side of building throughout	northern wall void	dust	similar 53991-001-012	**suspected asbestos**	3	3	0	0	0	1	7	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.
37 Herbert Street	eastern side of building throughout	eastern wall void	fibre cement debris	similar 53991-001-004	**suspected asbestos**	1	3	0	0	0	1	5	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.
37 Herbert Street	eastern side of building throughout	eastern wall void	dust	similar 53991-001-012	**suspected asbestos**	3	3	0	0	0	1	7	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.

Project No: 237003.01

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - ASBESTOS

						Asbestos Risk Assessment									
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample No.**	**Material Status**	**Friability**	**Condition**	**Treatment**	**Accessibility**	**Activity**	**Ventilation**	**Risk Score**	**Action Priority**	**Photo No.**	**Summary Comment/Recommendation**
37 Herbert Street	between sarking and roof panels	ceiling	fibre cement debris	similar 53991-001-004	**suspected asbestos**	1	3	0	0	1	1	6	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.
37 Herbert Street	between sarking and roof panels	ceiling	dust	similar 53991-001-001	**suspected asbestos**	3	3	0	0	1	1	8	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.
37 Herbert Street	Level 1	Chubb strong room, door	insulation	N/A	**suspected asbestos**	3	1	0	0	2	1	7	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.
37 Herbert Street	Level 1	Male amenities wall void behind sink area, floor	vinyl floor tiles	53991-001-014A	**asbestos detected by analysis**	0	1	1	1	0	1	4	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.
37 Herbert Street	Level 1	Male amenities wall void to warehouse, western end of southern wall, infill panels	fibre cement product	similar 53991-001-004	**suspected asbestos**	1	3	0	0	0	1	5	Low	N/A	Item reported in Prensa (2021). Inaccessible area/material, asbestos suspected to be present as a precaution. Confirm status of asbestos material(s) when safe access available and prior to any disturbance.
37 Herbert Street	Ground level	ceiling above sales desk	fibre cement debris	similar 53991-001-004	**suspected asbestos**	1	3	0	0	1	1	6	Low	N/A	Item not sighted in Prensa (2021) and not accessible during this inspection. Confirm status of hazardous material(s) when safe access available and prior to any disturbance.

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HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD PAINT SCREENING ASSESSMENT

						Analytical Results			
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample / Test No.**	**Spot Test Result**	**Analyte**	**% w/w**	**Photo No.**	**Summary Comment/Recommendation**
37 Herbert Street	main warehouse	floor	grey paint	37-LP01	N/A	lead	<0.005	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
37 Herbert Street	main warehouse	column	yellow paint	37-LP02	N/A	lead	0.064	N/A	Lead paint not identified. Analysis results non-detect and/or below the threshold concentration criteria for lead paint outlined in AS/NZS 4361.2 (i.e. ≤0.1 % lead w/w). Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal.
37 Herbert Street	southern staircase	door	red paint	37-LP03	positive	lead	**13**	3	Lead paint identified. Analysis results are above the threshold criteria for lead paint outlined in AS/NZS 4361.2 (i.e. >0.1 % lead w/w). Any areas of damaged/flaking paint and any associated dust/debris should be removed. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls to prevent exposure and dispersal during building occupation, building work (e.g. maintenance, refurbishment and demolition) and any lead paint abatement activity.
37 Herbert Street	exterior	door	brown paint	37-LP04	N/A	lead	**0.74**	4	Lead paint identified. Analysis results are above the threshold criteria for lead paint outlined in AS/NZS 4361.2 (i.e. >0.1 % lead w/w). Any areas of damaged/flaking paint and any associated dust/debris should be removed. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls to prevent exposure and dispersal during building occupation, building work (e.g. maintenance, refurbishment and demolition) and any lead paint abatement activity.

Project No: 237003.01

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD PAINT SCREENING ASSESSMENT

						Analytical Results			
Building	**Level / Area**	**Material Location**	**Material Type**	**Sample / Test No.**	**Spot Test Result**	**Analyte**	**% w/w**	**Photo No.**	**Summary Comment/Recommendation**
37 Herbert Street	main warehouse	pipe	black paint	37-LP05	N/A	lead	**0.27**	6	Lead paint identified. Analysis results are above the threshold criteria for lead paint outlined in AS/NZS 4361.2 (i.e. >0.1 % lead w/w). Any areas of damaged/flaking paint and any associated dust/debris should be removed. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls to prevent exposure and dispersal during building occupation, building work (e.g. maintenance, refurbishment and demolition) and any lead paint abatement activity.
37 Herbert Street	electrical cupboard	floor	grey paint	Spot Test 1	negative	N/A	N/A	N/A	Negative spot test result for lead (no apparent colour change observed). Sampling and laboratory analysis of the paint should be considered to confirm the lead concentration (% w/w) prior to any disturbance.
37 Herbert Street	store room	wall	white paint	Spot Test 2	negative	N/A	N/A	N/A	Negative spot test result for lead (no apparent colour change observed). Sampling and laboratory analysis of the paint should be considered to confirm the lead concentration (% w/w) prior to any disturbance.
37 Herbert Street	store room	door	grey paint	Spot Test 3	negative	N/A	N/A	N/A	Negative spot test result for lead (no apparent colour change observed). Sampling and laboratory analysis of the paint should be considered to confirm the lead concentration (% w/w) prior to any disturbance.
37 Herbert Street	throughout building	materials in general	paints in general	refer 37-LP03, LP04 and LP05	N/A	N/A	N/A	N/A	**May comprise lead paints**. Conduct further confirmatory sample analysis and/or testing for lead in paint as necessary, prior to any significant disturbance of paints. Minimise disturbance of any lead-containing paints and implement controls to prevent exposure and dispersal during any lead paint abatement activity and any building work (e.g. maintenance, refurbishment and demolition). Classify material for disposal in accordance with the NSW EPA Waste Classification Guidelines and segregate material, if required, for disposal.

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HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD IN CEILING CAVITY DUST

Building	Room / Area	Material Location	Material Type	Sample No.	Result (mg/m^2)	Material Status	Photo No.	Summary Comment/Recommendation
37 Herbert Street	main warehouse	ceiling cavity	settled dust / debris	37-LD01	**30**	**elevated lead concentration detected**	7	Elevated lead concentration detected. Ensure access to building cavity(s) is adequately restricted and entry is only made under controlled conditions. Consider removing lead contamination if reasonably practicable to do so and prior to any substantive disturbance. Implement appropriate controls to prevent exposure and dispersal including during building occupation and any building work (e.g. maintenance, refurbishment and demolition).
37 Herbert Street	store room	ceiling cavity	settled dust / debris	37-LD02	**52**	**elevated lead concentration detected**	similar to 7	Elevated lead concentration detected. Ensure access to building cavity(s) is adequately restricted and entry is only made under controlled conditions. Consider removing lead contamination if reasonably practicable to do so and prior to any substantive disturbance. Implement appropriate controls to prevent exposure and dispersal including during building occupation and any building work (e.g. maintenance, refurbishment and demolition).

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HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - LEAD IN CEILING CAVITY DUST

Building	Room / Area	Material Location	Material Type	Sample No.	Result (mg/m^2)	Material Status	Photo No.	Summary Comment/Recommendation
37 Herbert Street	rooms and areas in general	ceiling and similar building cavities in general	settled dust / debris	refer 37-LD01 and 37-LD02	N/A	**elevated lead concentration suspected**	similar to 7	Elevated lead concentration suspected. Undertake confirmatory sampling and analysis for lead prior to disturbance. Ensure access to building cavity(s) is adequately restricted and entry is only made under controlled conditions. Remove lead contamination if reasonably practicable to do so and prior to any substantive disturbance. Implement appropriate controls to prevent exposure and dispersal including during building work (e.g. maintenance, refurbishment and demolition).

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - SYNTHETIC MINERAL FIBRE (SMF)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
37 Herbert Street	rooms and areas in general	ceiling cavity	bulk insulation	N/A	**SMF identified visually**	N/A	SMF identified. Classify material for disposal in accordance with legislative requirements and the NSW EPA Waste Classification Guidelines. Segregate material, if required, for disposal. Minimise disturbance and implement controls, where required, to prevent exposure and dispersal during building occupation, building work (e.g. maintenance, refurbishment and demolition) and any SMF abatement activity.
37 Herbert Street	rooms and areas in general	air handling pant and duct work	bulk insulation	N/A	**SMF (suspected)**	N/A	Inaccessible area/material - Confirm status of hazardous material(s) when safe access available and prior to any disturbance.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - POLYCHLORINATED BIPHENYLS (PCBs)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
37 Herbert Street	under stair void	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	**PCB (suspected)**	8	Inaccessible area/material. Internal components suspected to contain PCB as a precaution. Confirm presence/absence of PCB by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.
37 Herbert Street	main warehouse	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	**PCB (suspected)**	9	Inaccessible area/material. Internal components suspected to contain PCB as a precaution. Confirm presence/absence of PCB by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.
37 Herbert Street	store room	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	**PCB (suspected)**	10	Inaccessible area/material. Internal components suspected to contain PCB as a precaution. Confirm presence/absence of PCB by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.

Project No: **237003.01**

HAZMAT Survey

33 & 37 Herbert Street, St Leonards

RESULTS - POLYCHLORINATED BIPHENYLS (PCBs)

Building	Room / Area	Material Location	Material Type	Sample No.	Material Status	Photo No.	Summary Comment/Recommendation
37 Herbert Street	building in general	fluorescent light fittings	internal components (e.g. capacitors and ballasts)	N/A	**PCB (suspected)**	similar to 8, 9, 10	Inaccessible area/material. Internal components suspected to contain PCB as a precaution. Confirm presence/absence of PCB by further inspection and/or sampling and analysis when safe access is available and prior to any disturbance.



Photograph 1: 37 Herbert Street, front (south) section, disabled toilet, substrate below ceramic tiled surfaces, inaccessible.



Photograph 2: 37 Herbert Street, areas in general, fire doors (no compliance tags), potential insulation, inaccessible.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 1
	37 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 3: 37 Herbert Street, southern staircase, fire door, internal insulation, suspected asbestos. Red paint, lead paint(s) identified.



Photograph 4: 37 Herbert Street, western fire stairs, ceiling void, southern fire door exit, fibre cement fragment, asbestos detected. Door, brown paint, lead paint(s) identified.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 2
	37 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25

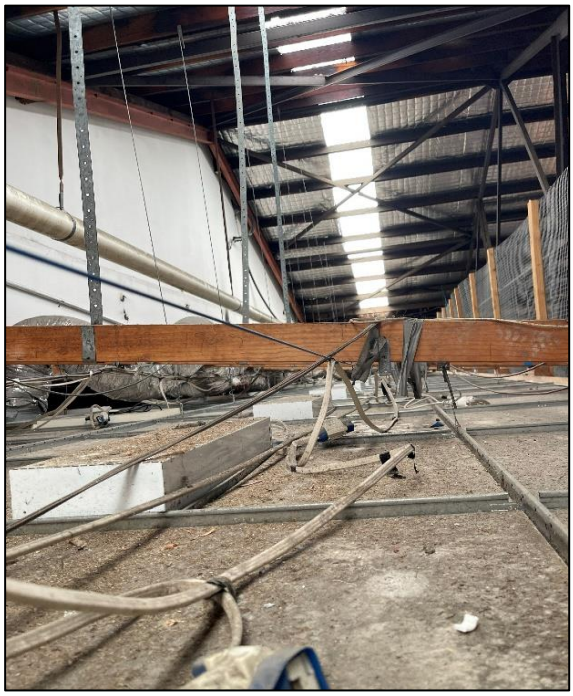


Photograph 5: 37 Herbert Street, exterior northwest, eave linings, fibre cement sheeting, suspected asbestos.



Photograph 6: 37 Herbert Street, main warehouse, pipe, black paint; lead paint(s) identified.

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 3
	37 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 7: 37 Herbert Street, main warehouse, ceiling cavity, settled dust / debris, elevated lead concentration detected.

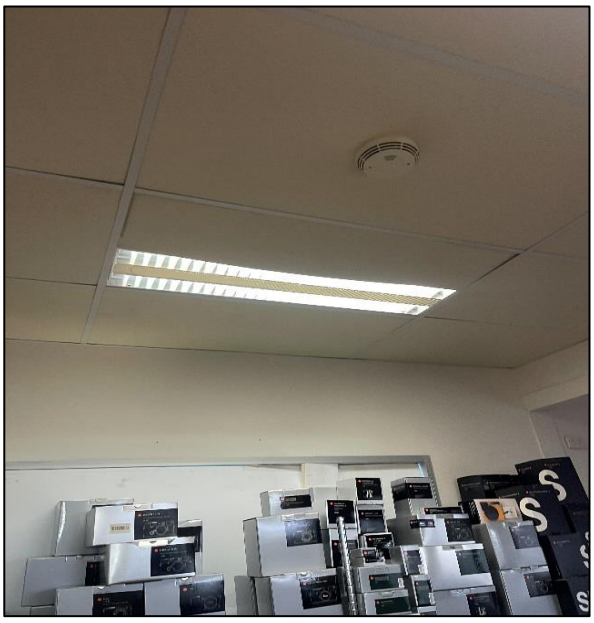


Photograph 8: 37 Herbert Street, under stair void, fluorescent light fittings, internal components, PCB (suspected).

Douglas PARTNERS GROUNDED EXPERTISE	**Site Photographs**	PROJECT: 237003.01
	HAZMAT Survey	PLATE No: 4
	37 Herbert Street, St Leonards	REV: A
	CLIENT: Aqualand Projects Pty Ltd	DATE: Nov-25



Photograph 9: 37 Herbert Street, main warehouse, fluorescent light fittings, internal components, PCB (suspected).



Photograph 10: 37 Herbert Street, store room, fluorescent light fittings, internal components, PCB (suspected).

Appendix D

Laboratory Certificate(s) of Analysis

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 395286

Client Details

Client	Douglas Partners Pty Ltd
Attention	Tim Kulmar
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**237003.01, St Leonards**
Number of Samples	33 Material, 6 Swab, 23 Paint
Date samples received	12/11/2025
Date completed instructions received	12/11/2025

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	19/11/2025
Date of Issue	19/11/2025

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By
Analysed by Asbestos Approved Analyst: Lucy Zhu
Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By
Giovanni Agosti, Group Technical Manager
Lucy Zhu, Asbestos Supervisor
Tabitha Roberts, Senior Chemist

Authorised By
Nancy Zhang, Laboratory Manager

Asbestos ID - Materials						
Our Reference		395286-1	395286-2	395286-3	395286-4	395286-12
Your Reference	UNITS	37-A01	37-A02	37-A03	37-A04	33-B1-A01
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Material	Material	Material	Material	Material
Date analysed		13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Dimension of Sample	-	22x12x3mm	50x32x5mm	14x7x2mm	20x20x2mm	15x10x2mm
Sample Description	-	White rubbery mastic	Beige fibre cement material	Brown rubbery mastic	Beige fibre cement material	Grey rubbery mastic
Asbestos ID in Material	-	No asbestos detected	Chrysotile asbestos detected Amosite asbestos detected Crocidolite asbestos detected	No asbestos detected	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*
Residual Analysis	-	No asbestos detected	[NT]	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - Materials						
Our Reference		395286-13	395286-14	395286-18	395286-19	395286-20
Your Reference	UNITS	33-B2-A01	33-B2-A02	33-L1E-A01	33-L1E-A02	33-VFT-A01
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Material	Material	Material	Material	Material
Date analysed		13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Dimension of Sample	-	32x15x15mm	32x12x2mm	20x14x2mm	7x3x1mm	12x10x6mm
Sample Description	-	Begie hardened mastic & bitumen	Black bituminous material	White hardened mastic	Grey rubbery mastic	Orange vinyl tile & adhesive
Asbestos ID in Material	-	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected Man-made vitreous fibres detected*	No asbestos detected	No asbestos detected
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - Materials						
Our Reference		395286-21	395286-24	395286-25	395286-26	395286-27
Your Reference	UNITS	33-VFT-A02	33-S3-A01	33-102-A01	33-102-A02	33-102-A03
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Material	Material	Material	Material	Material
Date analysed		13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Dimension of Sample	-	30x15x1mm	35x20x2mm	10x9x2mm	20x14x2mm	12x7x2mm
Sample Description	-	Yellow paint material	Beige fibrous material	Black fibrous material & yellow adhesive	White vinyl tile	Grey vinyl tile
Asbestos ID in Material	-	No asbestos detected	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected Man-made vitreous fibres detected*	No asbestos detected
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - Materials						
Our Reference		395286-28	395286-29	395286-30	395286-31	395286-32
Your Reference	UNITS	33-102-A04	33-EXT-A01	33-EXT-A02	33-L1-A01	33-101-A01
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Material	Material	Material	Material	Material
Date analysed		13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Dimension of Sample	-	23x17x2mm	60x18x4mm	40x20x6mm	20x13x2mm	25x12x2mm
Sample Description	-	White plaster material	Beige cement material	Black bituminous material	Grey vinyl tile	White vinyl tile
Asbestos ID in Material	-	No asbestos detected Organic fibres detected* Man-made vitreous fibres detected*	No asbestos detected	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - Materials						
Our Reference		395286-33	395286-44	395286-45	395286-46	395286-47
Your Reference	UNITS	33-101-A02	33-R-A02	33-R-A03	33-R-A04	33-R-A05
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Material	Material	Material	Material	Material
Date analysed		13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Dimension of Sample	-	7x5x1mm	30x25x3mm	30x30x4mm	60x30x10mm	135x25x2mm
Sample Description	-	White paint material	Beige fibre cement material	Beige fibre cement material	Beige fibre cement material	White fibrous material
Asbestos ID in Material	-	No asbestos detected	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - Materials						
Our Reference		395286-48	395286-49	395286-50	395286-51	395286-52
Your Reference	UNITS	33-R-A06	33-R-A07	33-L2-A08	33-L2-A09	33-L2-A10
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Material	Material	Material	Material	Material
Date analysed		13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Dimension of Sample	-	46x12x5mm	40x20x5mm	22x20x4mm	18x10x2mm	60x25x3mm
Sample Description	-	Beige fibre cement material	White fibrous insulation	Beige fibre cement material	Beige fibre cement material	Beige fibre cement material
Asbestos ID in Material	-	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - Materials				
Our Reference		395286-53	395286-54	395286-62
Your Reference	UNITS	33-L2-A11	33-L2-A12	33-R-A01
Date Sampled		11/11/2025	11/11/2025	11/11/2025
Type of sample		Material	Material	Material
Date analysed		13/11/2025	13/11/2025	13/11/2025
Dimension of Sample	-	70x65x3mm	20x17x2mm	32x30x4mm
Sample Description	-	Grey vinyl tile	Beige fibrous sheet	Beige fibre cement material
Asbestos ID in Material	-	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*	No asbestos detected Organic fibres detected*
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected

Lead in swab						
Our Reference		395286-5	395286-6	395286-34	395286-35	395286-36
Your Reference	UNITS	37-LD01	37-LD02	33-L1-LD01	33-L1-LD02	33-G-LD02
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Swab	Swab	Swab	Swab	Swab
Date prepared	-	17/11/2025	17/11/2025	17/11/2025	17/11/2025	17/11/2025
Date analysed	-	18/11/2025	18/11/2025	18/11/2025	18/11/2025	18/11/2025
Lead	µg/swab	300	520	68	8	12

Lead in swab		
Our Reference		395286-61
Your Reference	UNITS	33-L2-LD01
Date Sampled		11/11/2025
Type of sample		Swab
Date prepared	-	17/11/2025
Date analysed	-	18/11/2025
Lead	µg/swab	52

Lead in Paint						
Our Reference		395286-7	395286-8	395286-9	395286-10	395286-11
Your Reference	UNITS	37-LP01	37-LP02	37-LP03	37-LP04	37-LP05
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Date analysed	-	13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Lead in paint	%w/w	<0.005	0.064	13	0.74	0.27

Lead in Paint						
Our Reference		395286-15	395286-16	395286-17	395286-22	395286-23
Your Reference	UNITS	33-B1-LP01	33-B2-LP01	33-L1E-LP01	33-S-LP01	33-S-LP02
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Date analysed	-	13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Lead in paint	%w/w	0.11	0.40	<0.005	<0.005	0.03

Lead in Paint						
Our Reference		395286-37	395286-38	395286-39	395286-40	395286-41
Your Reference	UNITS	33-EXT-LP01	33-EXT-LP02	33-EXT-LP03	33-EXT-LP04	33-EXT-LP05
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Date analysed	-	13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Lead in paint	%w/w	0.01	<0.005	0.01	<0.005	<0.005

Lead in Paint						
Our Reference		395286-42	395286-43	395286-55	395286-56	395286-57
Your Reference	UNITS	33-L1ER-LP01	33-G01-LP01	33-R-LP01	33-R-LP02	33-R-LP03
Date Sampled		11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Date analysed	-	13/11/2025	13/11/2025	13/11/2025	13/11/2025	13/11/2025
Lead in paint	%w/w	0.03	<0.005	0.073	0.04	0.058

Lead in Paint				
Our Reference		395286-58	395286-59	395286-60
Your Reference	UNITS	33-R-LP04	33-L2-LP05	33-L2-Lp07
Date Sampled		11/11/2025	11/11/2025	11/11/2025
Type of sample		Paint	Paint	Paint
Date prepared	-	13/11/2025	13/11/2025	13/11/2025
Date analysed	-	13/11/2025	13/11/2025	13/11/2025
Lead in paint	%w/w	<0.005	0.04	0.02

Method ID	Methodology Summary
ASB-003	Asbestos ID –Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques as per Australian Standard 5370. When Inconclusive mineral fibres are detected by polarised light microscopy including dispersion staining, these fibres may or may not be asbestos fibres. To confirm the identities, another independent analytical technique may be required. When asbestos presence is reported below the reporting limit of 0.01%w/w, the result is not covered by AS5370 and is supplied for information purposes only as required by some state jurisdictions.
Metals-020/021/022	Digestion of Paint chips/scrapings/liquids for Metals determination by ICP-AES/MS and or CV/AAS.
Metals-020/021/022	Acid digestion of Dust wipes/swabs and /or miscellaneous samples for metals determination by ICP-AES/MS and/or CV-AAS Submission of low masses of sample e.g. for dust samples, may result in raised PQLs.

QUALITY CONTROL: Lead in swab					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			17/11/2025	[NT]	[NT]	[NT]	[NT]	17/11/2025	[NT]
Date analysed	-			18/11/2025	[NT]	[NT]	[NT]	[NT]	18/11/2025	[NT]
Lead	µg/swab	1	Metals-020/021/022	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]

QUALITY CONTROL: Lead in Paint						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			13/11/2025	7	13/11/2025	13/11/2025		13/11/2025	[NT]
Date analysed	-			13/11/2025	7	13/11/2025	13/11/2025		13/11/2025	[NT]
Lead in paint	%w/w	0.005	Metals-020/021/022	<0.005	7	<0.005	<0.005	0	95	[NT]

QUALITY CONTROL: Lead in Paint						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date prepared	-			[NT]	38	13/11/2025	13/11/2025		13/11/2025	[NT]
Date analysed	-			[NT]	38	13/11/2025	13/11/2025		13/11/2025	[NT]
Lead in paint	%w/w	0.005	Metals-020/021/022	[NT]	38	<0.005	<0.005	0	94	[NT]

QUALITY CONTROL: Lead in Paint						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	60	13/11/2025	13/11/2025		[NT]	[NT]
Date analysed	-			[NT]	60	13/11/2025	13/11/2025		[NT]	[NT]
Lead in paint	%w/w	0.005	Metals-020/021/022	[NT]	60	0.02	0.03	40	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates can be downloaded from the Envirolab Resources website or obtained directly by contacting the laboratory.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

Report Comments

Note, even after disintegration, it can be difficult to detect the presence of asbestos in some asbestos containing bulk materials using PLM and dispersion staining. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.