



Preliminary Site Investigation Report

Project
Housing Australia Future Fund Project
Land Rezoning Planning Proposal
792-794 Botany Rd and 33-37 Henry Kendal Cres, Mascot

Prepared for
New South Wales Land and Housing Corporation (ABN 24 960 729 253)

Date
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Executive Summary

Alliance Geotechnical Pty Ltd (Alliance) was engaged by New South Wales Land and Housing Corporation (herein referred to as 'LAHC' or 'the Client') to undertake a preliminary site investigation (PSI) at 792-794 Botany Rd and 33-37 Henry Kendal Cres, Mascot NSW (refer **Figure 1**, with the 'site' boundaries outlined in **Figure 2**).

At the commencement of the project, Alliance had the following project appreciation:

- The site is owned by the client;
- The site is occupied and being used for residential purposes, with five residential flat buildings and associated pavements and communal open space areas;
- The client has submitted a planning proposal for the land at 792-794 Botany Rd and 33-37 Henry Kendal Cres, Mascot (the site), seeking rezoning from E1 Local Centre to R4 High Density Residential, an increase to building height from 14m to 28m, and removal of the active street frontages requirement;
- The site is proposed for redevelopment, likely to involve demolition of existing structures and construction of high-rise residential buildings with basement parking, communal open space areas and areas of hardstand. In the context of NEPC (2013a), this is considered to be a land use scenario¹ comprising a combination of:
 - Residential with accessible soil, including garden with home grown produce contributing less than 10% fruit and vegetable intake (excluding home grown poultry and/or eggs), and includes children's day care centres, preschools and primary schools.
 - Residential with minimal opportunities for soil access including dwellings with fully and permanently paved yard space such as high-rise buildings and flats.
 - Public open space such as parks, playgrounds, playing fields, (e.g. ovals), secondary schools and footpaths (but does not include undeveloped public open space such as urban bushland and reserves, which should be subject to site specific assessment where appropriate).
- The proposed land use scenario assumes a reticulated potable water supply will be available at the site; and
- This PSI is required to assist the client in addressing Ministerial Direction point 4.4 issued by Department of Planning and Environment (DoPE), as set out in an email to Alliance from the client on 25 June 2024, with specific reference to land contamination in the context of State Environmental Planning Policy (SEPP) Resilience and Hazards 2021.

The objectives of this project were to:

- Assess the potential for land contamination to be present at the site as a result of current and previous land use activities;

¹ Adopted from Section 2.2 of NEPC (2013a) and Section 3 of NEPC (2013f)

- Assess whether the site would be suitable, in the context of land contamination, for relevant land uses (in the context of the proposed redevelopment) under R4 High Density Residential zoning being sought by the planning proposal; and
- Provide recommendations for further investigations, and management or remediation of land contamination (if warranted), for relevant land uses (in the context of the proposed redevelopment) under R4 High Density Residential zoning being sought by the planning proposal.

The following scope of works was undertaken address the project objectives:

- A desktop review of site history;
- A site walkover to inform an understanding of current site conditions;
- Assessment of data and reporting.
- The nominated scope of works was primarily undertaken with reference to relevant references presented in **Section 12**.

A number of potential land contaminating activities have been identified for the site, based on the site history review and site walkover observations. The locations of the AEC are presented in the table below and **Figure 3**.

Activities	Land Contaminating Activity (Source)	COPC	Receptor
Site footprint (~4,880m ² and nominally 0.5m thick)	Uncontrolled filling Uncontrolled demolition Use of hazardous building materials Historic termite treatment Potential council depot activities	Petroleum hydrocarbons, polycyclic aromatic hydrocarbons, pesticides, polychlorinated biphenyl, metals, asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Residential Building 01 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Residential Building 02 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Residential Building 03 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / Aquatic ecosystems
Residential Building 04 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Residential Building 05 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Historic scattered small buildings/sheds and potential tents in the southeast portion of the site, observed from 1943 and removed by 1951 (~1,540m ²)	Uncontrolled demolition Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems

Historic building in the southeast portion of the site, observed from 1951 and removed by 1961 (~150m ²)	Uncontrolled demolition Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Historic scattered small sheds and/or wastes stored in the southwest portion of the site, observed from 1951 and removed by 1961 (~1,170m ²)	Uncontrolled demolition Use of hazardous building materials Historic termite treatment Waste storage	Petroleum hydrocarbons, polycyclic aromatic hydrocarbons, pesticides, polychlorinated biphenyl, metals, asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Offsite – UST adjacent northeast boundary of site	Underground storage and handling of petroleum	Petroleum hydrocarbons, MTBE, polycyclic aromatic hydrocarbons, lead, PFAS	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Site footprint (~4,880m ²)	Acid sulfate soils	Sulfidic ores	Site environment Site structures

Based on the assessment undertaken by Alliance of site history information and site walkover observations, in the context of the objectives of this project and the proposed rezoning, Alliance has made the following conclusions:

- The potential for land contamination to be present at the site as a result of current and previous land use activities, is considered to be low to moderate;
- There is a potential for acid sulfate soils to be present on the site;
- If there is land contamination on the site, and that land contamination presented an unacceptable human health or ecological exposure risk, then there are readily available and proven technologies available to manage and/or remediate the contaminants of potential concern identified for the site;
- If there are acid sulfate soils on the site, and those soils will be disturbed during future redevelopment of the site under the proposed rezoning, then there are readily available and proven technologies available to manage and/or remediate the contaminants of potential concern identified for the site;
- The site could be made suitable for the proposed rezoning to R4 – High Density Residential, subject to the undertaking of:
 - a detailed site investigation (DSI), and subsequent management / remediation of identified unacceptable human health / ecological exposure risks associated with any future redevelopment of the site for land uses under the proposed rezoning; and
 - further acid sulfate soils assessment, and subsequent management of identified acid sulfate soils that may be disturbed during any future redevelopment of site for land uses under the proposed rezoning;

- These conclusions are based on the site suitability for the specific land use scenario under that zoning (permitted with consent) being assessed, in accordance with, but not necessarily limited to, the relevant provisions of:
 - State Environmental Planning Policy (SEPP) Resilience and Hazards 2021;
 - Planning Secretary's Environmental Assessment Requirements (SEARs) for In-fill Affordable Housing;
 - Bayside Local Environmental Plan 2021;
 - Botany Bay Development Control Plan 2013; and
- Groundwater abstraction on the site should not be undertaken, without prior assessment by a suitably experienced environmental consultant and relevant approvals being obtained from WaterNSW and NSW Department of Planning and Environment.

Based on those conclusions, Alliance makes the following recommendations:

- Following rezoning of the site, consent to carrying out any development on the site should only be provided once the consent authority has:
 - considered whether the land is contaminated, and
 - (a) if the land is contaminated, it is satisfied that the land is suitable in its contaminated state (or will be suitable, after remediation) for the purpose for which the development and any land for which the zone is permitted to be used is proposed to be carried out, and
 - (b) if the land requires remediation to be made suitable for the purpose for which the development is proposed to be carried out and any land in that zone that is permitted to be used, it is satisfied that the land will be remediated before the land is used for that purpose.

This report must be read in conjunction with the ***Important Information About This Report*** statements at the front of this report.

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APPENDIX F – SafeWork NSW

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APPENDIX H - Botany Bay Groundwater Restriction Map

1 Introduction

1.1 Background

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² Adopted from Section 2.2 of NEPC (2013a) and Section 3 of NEPC (2013f)

1.2 Objectives

The objectives of this project were to:

- Assess the potential for land contamination to be present at the site as a result of current and previous land use activities;
- Assess whether the site would be suitable, in the context of land contamination, for relevant land uses (in the context of the proposed redevelopment) under R4 High Density Residential zoning being sought by the planning proposal; and
- Provide recommendations for further investigations, and management or remediation of land contamination (if warranted), for relevant land uses (in the context of the proposed redevelopment) under R4 High Density Residential zoning being sought by the planning proposal.

1.3 Scope of Work

The following scope of works was undertaken address the project objectives:

- A desktop review of site history;
- A site walkover to inform an understanding of current site conditions;
- Assessment of data and reporting.

The nominated scope of works was primarily undertaken with reference to relevant references presented in **Section 12**.

2 Site Identification

2.1 Site Details

Site identification details are presented in **Table 2.1**.

Table 2.1 Site Identification Details

Cadastral Identification	Lot A, B, C, D and E in DP36472
Geographic Coordinates (Google Earth)	33°55'30" S and 151°11'43" E
Site Area	Approximately 4,880m ²
Local Government Authority	Bayside Council
Current Zoning	E1 – Local Centre

A copy of Section 10.7 planning certificates for the site (presented within **Appendix E**) indicates that dwelling houses and residential accommodation is not permitted on land zoned as E1 – Local Centre.

2.2 Site Layout

The layout of the site is present in **Figure 2**. The layout plan includes locations of:

- Site access points; and
- Current buildings / structures.

A copy of a detail and level survey of the site was not provided by the client.

3 Site Environmental Setting

3.1 Geology

The Department of Mineral Resources Geological Survey of NSW Sydney 1:100,000 Geological Series Sheet 9130 (Edition 1) 1983, indicated that the site is likely to be underlain by medium to fine grained 'marine' sand with podzols.

Information in Table 4.1 of STS Geotechnics (2024) indicates that site specific geology includes SAND, silty SAND, clayey SAND, sandy CLAY, silty CLAY, with sandstone at a depth of approximately 28.5m below ground level, which is consistent with published geology for the area this site is located in. A copy of the borehole logs and borehole location plan from STS Geotechnics (2024) is presented in **Appendix G**.

3.2 Site Topography and Elevation

A detail and level survey plan of the site was not provided to Alliance. During the site walkover reported in **Section 6** the topography of the site was observed to be generally flat. A search of Google Earth indicates that the surface of the site was located at an elevation of approximately 11m Australian Height Datum (AHD).

3.3 Acid Sulfate Soils

A review of <https://www.environment.nsw.gov.au/eSpade2Webapp> indicated that the site is located in an area mapped as:

- L4: low probability >3m below ground surface

Further assessment of acid sulfate soils, in the context of this project is considered warranted based on information reviewed within **Section 5.7.1**.

3.4 Hydrogeology and Hydrology

A review of readily available online maps indicated that surface water bodies located on or near the site included:

- Lachlan Swamp / Mill Pond, located approximately 1.4km to the south and approximately 1.8km to the east; and
- Alexandria Canal located approximately 1.2km to the northwest and approximately 1.7km to the west.

Based on:

- the location of the identified surface water bodies, their regional flow direction, and site surface topography; and
- review of preliminary groundwater elevation data in Table 4.3 of STS Geotechnics (2024), indicating standing water levels on site to be 1.5m below ground level (6.8m AHD) in the southeast and 1.5m below ground level (6.5m AHD) in the northwest,

the inferred groundwater flow direction at the site is considered likely to be towards the northwest.

Based on site surface topography and site elevation, the inferred surface water flow direction at the site is considered to be uncertain. Surface water is considered likely to infiltrate into site soils (where soil permeability allows) and/or follow localised anthropogenic drainage lines into subsurface drainage pipes.

A search of <https://www.environment.nsw.gov.au/eSpade2WebApp> was undertaken by Alliance, however no hydrogeological landscape information was available for the locality of the site.

Alliance undertook a review of the temporary restriction of water take in the Botany Sands groundwater source at <https://water.dpie.nsw.gov.au/our-work/allocations-availability/temporary-water-restrictions/current/botany-sands-groundwater-source>. The review indicated that the site is located within 'Area 2' and groundwater extraction for domestic purposes³ is prohibited on site. A copy of the map of restricted areas highlighting the site location is presented in **Appendix H**.

A search of <https://realtimedata.waternsw.com.au/water.stm> indicated that:

- there were twenty-eight registered groundwater features located within a 500m radius of the site; and
- authorised uses of these groundwater features wells included:
 - domestic;
 - dewatering;
 - groundwater remediation;
 - monitoring; and
 - recreational.

Information presented in records obtained for these registered groundwater monitoring wells, indicated that:

- boreholes were drilled to depths of between 0.9m and 20.5m below ground level;
- the geology encountered during drilling (using rotary methods) included clayey silty SAND, SAND, sandy CLAY, Silty SAND, CLAY;
- rock was encountered in one borehole (GW047525) at a depth of 19.2m and was comprised of SANDSTONE;
- depth to standing water level was logged in three boreholes (GW075024, GW104988 and GW113311) and ranged between 0.760m to 4.000m;
- eight groundwater features (GW013515, GW024068, GW027749, GW027750, GW072901, GW073521, GW075024 and GW104988) were located in an inferred upgradient location from the site;
- eighteen groundwater features were located in an inferred cross-gradient location from the site;
- two groundwater features (GW024244 and GW047525) were located in an inferred downgradient location from the site;

³ Includes drinking, cooking, watering household gardens, washing cars and clothes, filling swimming pools and providing drinking water for animals

- groundwater features (GW112403-405) were located approximately 125m to the north of the site at an inferred cross-gradient location. The groundwater feature's (GW112403-405) authorised use is remediation;
- groundwater feature (GW107976) was located approximately 125m to the north of the site at an inferred cross-gradient location. The groundwater feature's (GW107976) authorised use is dewatering;
- groundwater feature (GW113311) was located approximately 115m to the north of the site at an inferred cross-gradient location. The groundwater feature's (GW113311) authorised use is monitoring;
- groundwater feature (GW024244) was located approximately 370m to the northeast of the site at an inferred cross gradient location. The groundwater feature's (GW024244) authorised use is domestic; and
- groundwater feature (GW047525) was located approximately 200m to the northeast of the site at an inferred cross-gradient location. The groundwater feature's (GW047525) authorised use is recreation.

Further consideration of the groundwater remediation, dewatering and monitoring that has occurred approximately 115m to 125m to the north of the site is considered not warranted based on their position in an inferred cross gradient location to the site.

A copy of the online search record is presented in **Appendix B**.

4 Regulatory Records

4.1 Contaminated Land Management Act 1997

A search of the NSW EPA online contaminated land record of notices indicated that the site (and land located immediately adjacent to the site) was not the subject of:

- orders made under Part 3 of the Contaminated Land Management (CLM) Act 1997;
- notices available to the public under section 58 of the CLM Act
- an approved voluntary management proposal under the CLM Act that has not been fully carried out and where NSW EPA approval has not been revoked;
- site audit statements provided to the NSW EPA under section 53B of the CLM Act that relate to significantly contaminated land;
- where practicable, copies of anything formerly required to be part of the public record; or
- actions taken by NSW EPA (or the previous State Pollution Control Commission) under section 35 or 36⁴ of the Environmentally Hazardous Chemicals Act 1985.

However, Alliance notes that a former Shell service station located at 746 Botany Road, Mascot was present on the NSW EPA online contaminated land record of notices. This former service station was located approximately 115m - 125m to the north of the site at an inferred down or cross gradient location adjacent to groundwater features (GW112403-405) with authorised uses for remediation (refer to **Section 3.4**). Based on the inferred groundwater flow direction for the site, further assessment of former service station related groundwater contamination risks to the site, is considered not warranted.

The search of the NSW EPA online list of NSW contaminated sites notified to NSW EPA indicated that the site (and land located immediately adjacent to the site) was not on the list. Alliance notes, a landfill (Aston) located at 551-559 Gardeners Road, Mascot, approximately 300m to the north of the site, is reported on that list as not requiring regulation under the CLM Act. Based on the inferred groundwater flow direction for the site, Alliance considers the landfill does not require further consideration in the context of this assessment.

A copy of the search record is presented in **Appendix D**.

A search of the NSW EPA online list of NSW contaminated sites notified to NSW EPA indicated that the site (and land located immediately adjacent to the site) was not on the list. A copy of a relevant extract of the search record is presented in **Appendix D**.

⁴ Sections 35 and 36 of the Environmentally Hazardous Chemicals Act 1985 have been repealed. Notices under these sections are treated by the CLM Act as management orders.

4.2 Protection of the Environment Operations (POEO) Act 1997

A search of the NSW EPA online POEO public register indicated that the site (and land located immediately adjacent to the site) was not the subject of a licence, application, notice, audit, pollution study or reduction program.

A copy of the search record is presented in **Appendix D**.

4.3 Work Health and Safety Regulation 2017

A SafeWork NSW Schedule 11 hazardous chemicals (dangerous goods)⁵ search for the site was not undertaken based on historical aerial photography and historical land title ownerships records held on file by Alliance (refer **Section 5.1** and **5.2** of this report), as well as observations made during the site walkover (refer **Section 6** of this report) which did not suggest a potential for licensable quantities of Schedule 11 hazardous chemicals (dangerous goods) to have been stored on the site.

However, based on the adjacent land use immediately north of the site comprising an ambulance station and based on Alliance experience of ambulance stations typically having underground petroleum storage, a search was undertaken for the adjacent ambulance station.

The search located the following records for the ambulance station:

- An application dated 23 May 1962, for the keeping of a 500-gallon mineral spirit underground tank on the ambulance station;
- An application dated 26 May 1977, for the keeping of a 2,500-litre mineral spirit underground tank on the ambulance station;
- A plan showing the location of an underground petrol tank and bowser, on what appears to be the ambulance station;
- An application renewal dated 19 May 1998, for the keeping of a 2,300-litre petrol underground tank on the ambulance station;
- A letter dated 6 September 1999, advising that at Botany Road, Mascot Station, a 2000L fuel storage tank has been abandoned via filling with sand, and a dispensing pump removed; and
- A cover letter dated 27 September 1999, considered likely to have had the letter dated 6 September 1999 attached to it.

Following Alliance's review of the records, it is considered that:

- while the tank volumes vary between records, based on Alliance's experience with similar search records, it is likely that the records are referring to the same tank (rather than replaced tanks or additional tanks);

⁵ Under the Work Health and Safety Regulation

- an underground storage tank is likely located beneath the driveway at the front (east) of the ambulance station; and
- there may be pipework and other infrastructure in the ground, associated with the tank, and the former bowser.

Further assessment of the underground storage tank and associated infrastructure located immediately adjacent to the northeast of the site, is considered warranted in the context of this project.

A copy of the search record is presented in **Appendix F**.

4.4 Environmental Planning and Assessment (EP&A) Act 1979

A copy of the planning certificates issued under section 10.7(2) & (5) of the EP&A Act was obtained, and indicated that within the meaning of the CLM Act, the site was not:

- significantly contaminated land;
- subject to a management order;
- the subject of an approved voluntary management proposal;
- subject to an ongoing maintenance order; or
- the subject of a site audit statement.

A copy of the certificates is presented in **Appendix E**.

5 Site History

5.1 Historical Land Titles

Alliance undertook a review of a selection of historical land title ownership records of the site. Information obtained during that review, indicated that registered proprietors of the site since 1925 included:

- private individuals between 1925 and 1946;
- The Council of the Municipality of Mascot between 1946 to 1951; and
- The Housing Commission of New South Wales now New South Wales Land and Housing Corporation between 1951 to February 2023.

There were no leases or easements reported for the site.

Title records for Lot 1 in DP36486 immediately adjacent to the site associated with the ambulance station identified the following:

- private individuals between 1925 and 1946;
- The Council of the Municipality of Mascot between 1946 to 1951.
- The Housing Commission of New South Wales between 1951 to 1957;
- New South Wales Ambulance Transport Service Board between 1957 to 2019; and
- Health Administration Corporation between 2019 to February 2023.

The title records Alliance have on file provide information on land title ownership up until February 2023. Information reviewed in **Section 5.2** and observations made during the site walkover (refer **Section 6**), suggest that a change in title ownership (since February 2023 (if one occurred), is unlikely to have materially influenced the land contamination status of the site.

The review of historical land titles indicated potential land contaminating activities have been undertaken on the site including:

- Potential use of the site as a council depot between 1946 to 1951.

The following potential off site land contaminating activities were identified immediately adjacent to the site:

- Potential for underground storage tanks associated with the ambulance station.

Further assessment of these land contaminating activities, in the context of other historical evidence reviewed during this project, and observations made during the site walkover (refer **Section 6** of this report), is considered warranted.

A copy of the historical land title search record is presented in **Appendix A**.

5.2 Aerial Photography

Alliance undertook a desktop review of a selection of readily available historical aerial photographs of the site. Copies of each of the aerial photographs reviewed, including an indicative site boundary, are presented below.

Image 5.2.1 Aerial Photograph - 1943



Image 5.2.2 Aerial Photograph - 1951



Image 5.2.3 Aerial Photograph - 1961



Image 5.2.4 Aerial Photograph - 1971



Image 5.2.5 Aerial Photograph - 1986



Image 5.2.6 Aerial Photograph - 1998



Image 5.2.7 Aerial Photograph - 2009



Image 5.2.8 Aerial Photograph – June 2024



The findings of the historical aerial photography review are presented in **Table 5.2**.

Table 5.2 Historical Aerial Photography Review

Photograph Date	Observations of Site	Observations of Surrounding Land
1943	Appears to be undeveloped open space with scattered small buildings/sheds and potential tents in the southeast portion of the site (possibly a circus).	North: undeveloped open space and after low-density residential with market gardens and low density residential thereafter. South: Roadway and undeveloped open space / recreational park with scattered trees thereafter. East: Roadway and a mix of low-density residential and commercial/industrial warehouse buildings thereafter. West: Undeveloped open space (appears to be grass and shrubs).
1951	The scattered small buildings/sheds and potential tents in the southeast portion of the site appear to have been demolished / removed and a building has been constructed in this area of the site. There appears to be scattered small sheds and/or wastes present in the southwest portion of the site. Access track alignment appearing oriented north-east to south-west.	North: Increased low-density residential houses. The market gardens have been replaced by low-density residential houses. South: No significant change since previous image. East: No significant change since previous image. West: A roadway has been constructed adjacent to property boundary with low-density residential properties thereafter.
1961	The building and scattered sheds appear to have been demolished. Five large buildings with fences separating each block have been constructed across the site.	North: Increased low-density residential houses. South: No significant change since previous image. East: No significant change since previous image. West: Increased low-density residential houses. Immediately adjacent to the northeast of the site a building has been constructed appearing to include a hardstand (concrete) driveway and parking area adjacent to the south of the building. Information within Section 5.1 suggests this is associated with the ambulance station.
1971	No significant change since previous image.	No significant change since previous image.
1986	A number of scattered sheds appear to have been constructed across the site.	Low-density residential properties to the east of the site appear to have demolished. Building immediately to the northeast of the site appears to have been extended to the south.
1998	No significant change since previous image.	A new commercial high rise building and attached parking appears to have been constructed to the east of the site. The hardstand (concrete) driveway and parking area within the building immediately adjacent to the northeast appears to have been extended to the west.

Table 5.2 Historical Aerial Photography Review

Photograph Date	Observations of Site	Observations of Surrounding Land
2009	Increase in established trees and foliage covering the site. Hardstand (likely concrete) driveways and parking areas appear to have been constructed to the south and east of the two residential buildings located in the northwest portion of the site.	No significant change since previous image.
2024	Increase in established trees and foliage covering the site.	No significant change since previous image.

The review of historical aerial photography indicated a potential for land contaminating activities to have been undertaken on the site, specifically:

- Use of hazardous building materials for the construction of buildings, and use of pesticides for termite treatment of structures;
- Waste storage between 1943 and 1961;
- Uncontrolled demolition of structures between 1943 and 1961; and
- Uncontrolled filling during construction of site structures between 1951 and 1986.

Further assessment of these identified potential land contaminating activities, is considered warranted.

5.3 Meteorology

The Bureau of Meteorology website (<http://www.bom.gov.au/climate/data/index.shtml?bookmark=200>) was accessed and a search conducted for climatic information measured by the nearest bureau station to the site. A summary of data obtained from that search is presented in **Table 0**.

Table 0 Local Meteorology Data Summary

Weather Station Location and Identifier	Mean Annual Temperature (°C)		Mean Annual Rainfall (mm)
	Maximum	Minimum	
Sydney Airport AMO - 066037	22.4	13.6	1093.4

A copy of the meteorology search record is presented in **Appendix C**.

5.4 Incidents

There was no evidence provided to Alliance regarding incidents at the site.

5.5 Complaints

There was no evidence provided to Alliance regarding complaints about the site.

5.6 Anecdotal Evidence

There was no anecdotal evidence regarding the site, provided to Alliance.

5.7 Previous Assessments

A copy of:

- STS Geotechnics 2024, 'Geotechnical Investigation & Acid Sulfate Soil Assessment for Homes NSW, 776, 792-794 Botany Road & 33-37 Henry Kendall Crescent, Mascot (BGWHL)' dated 29 April 2024, ref: 24/0856.

was reviewed by Alliance.

A summary of information in this report, considered relevant to this project, is presented in **Section 5.7.1**.

5.7.1 STS Geotechnics (2024)

The purpose of STS Geotechnics (2024) was to provide information on various geotechnical matters, including groundwater consideration and acid sulfate soil assessment.

The work undertaken to address the project objectives included:

- Drilling of five (5) boreholes numbered BH1 to BH5;
- Undertaking standard penetration tests;
- Collecting of surface elevation data from each borehole;
- Collection of soil and core samples for laboratory analysis;
- Installation of two groundwater monitoring wells; and
- Data interpretation and reporting.

A summary of the observations in STS Geotechnics (2024), in the context of subsurface conditions at the site, is presented in **Table 5.7.1.1**.

Table 5.7.1.1 STS Geotechnics (2024) Sub Surface Geology

Unit	Description	Depth (m bgs)
Topsoil	Silty sand, dark brown, fine to medium grained, with rootlets.	0.0-0.5
Residual	Silty SAND / Clayey SAND, fine to medium grained, grey / brown / yellow / orange with black organic silt sand layer. Sulphurous odour in BH1 and BH5.	0.2-6.0
Residual	Silty SAND / Clayey SAND, fine to medium grained, grey / brown / yellow / orange.	4.5-21.5
Residual	Sand CLAY / Silty CLAY, low to high plasticity, grey / brown.	19.5-31.5
Rock	SANDSTONE, grey / brown, weathered	28.5-35.0

A summary of the observations in STS Geotechnics (2024), in the context of groundwater conditions at the site during drilling works is presented in **Table 5.7.1.2**.

Table 5.7.1.2 STS Geotechnics (2024) Sub Surface Geology

Borehole ID	Recorded Date	Depth to groundwater (mBGL)	RL (mAHD)
BH1	03/04/2024	1.8	6.2
BH2	09/04/2024	1.2	7.0
BH3	10/04/2024	1.2	7.0
BH4	05/04/2024	1.7	6.8
BH5	18/03/2024	1.8	6.7

A summary of the observations in STS Geotechnics (2024), in the context of groundwater conditions at the site at the time of undertaking monitoring works, following the installation of groundwater monitoring wells is presented in **Table 5.7.1.3**.

Table 5.7.1.3 STS Geotechnics (2024) Sub Surface Geology

Borehole ID	Recorded Date	Standing Water Level (mBGL)	RL (mAHD)
BH1	22/04/2024	1.5	6.5
BH5	22/04/2024	1.5	6.8

An acid sulfate soils assessment was presented in STS Geotechnics (2024), which included:

- Undertaking a desktop review of available geomorphic mapping and aerial photography;
- Collecting field observation records;
- Collecting six samples from BH4 at depths of 0.5 m, 1.5m, 3.0m, 4.5m, 6.0m, and 7.5m, below ground level; and
- Analysing each sample for suspension peroxide oxidation combined acidity and sulfur (SPOCAS).

It was concluded in STS Geotechnics (2024) that:

- the S(POS) concentration for sample BH4 (1.5m) exceeded the action criteria of 0.03%, and both the TPA and TSA concentrations for samples BH4 (3.0m) and BH4 (4.5m) exceeded the action criteria of 18m/T indicative of the presence of acid sulfate soils; and

- an acid sulfate management plan would be required.

Alliance makes the following observations of the information presented in in STS Geotechnics (2024), considered pertinent to this report:

- Standing water levels were identified to be approximately 1.5m bgl within groundwater wells installed on site;
- Acid sulfate soils may be present on site; and
- Topsoil (suspected by Alliance to be fill material) was reported at the borehole locations to depths of up to 0.5m bgl.

6 Site Walkover

A site walkover was undertaken by a suitably experienced Alliance environmental consultant (Samuel Inameti), on 27 June 2024. During the walkover, Alliance made observations of the general condition of the site and of land use activities being undertaken on the site, as well as land use activities on the land located immediately adjacent to the site. Information on these observations is presented in **Section Error! Reference source not found. to Section 6.14.**

It is noted that the presence of constraints on site can prevent a reasonable visual assessment of the surface of the site (e.g. vegetation, hardstand, stockpiles or stored materials), which can result in data gaps that require consideration during supplementary assessment works.

6.1 Current Land Use

The land use scenario at the time of the walkover appeared to be primarily high-density residential comprising five residential two-storey buildings, with some accessible soil areas.

Image 6.1.1 View of two-storey building at 33 Henry Kendall Crescent, Mascot facing northeast.



Image 6.1.2 View of two-storey building at 35 Henry Kendall Crescent, Mascot facing southeast.



Image 6.1.3 View of two-storey building at 37 Henry Kendall Crescent, Mascot facing northeast.



Image 6.1.4 View of two-storey building at 794 Botany Road, Mascot facing north.



Image 6.1.5 View of two-storey building at 792 Botany Road, Mascot facing northeast



6.2 Site Boundaries

The northern, eastern, western and southern site boundaries were fenced.

Image 6.2.1 View of a portion of fence along western boundary of site.



6.3 Surfaces and Buildings

The following site surfaces were observed during the walkover:

- Concrete driveways that appeared to be in good condition;
- Brick driveways and car parking areas within some properties (33 and 35 Henry Kendall Crescent, Mascot NSW) that appeared to be in good condition;
- Concrete walkways, that appeared to be in good condition; and
- Unsealed areas vegetated with grass, unsealed soil, established shrubs and trees.

Image 6.3.1 View of brick driveway and car parking area in the northwestern portion of site.



Image 6.3.2 View of concrete walkways and unsealed vegetated areas in the northern central portion of site.



Image 6.3.3 View of unsealed vegetated areas in the southern central portion of site.



The following buildings were observed during the walkover:

33 Henry Kendall Crescent, Mascot (Lot A DP36472)

- A two-storey brick and tiled roofed residential dwelling, located in the central-western portion of the lot.

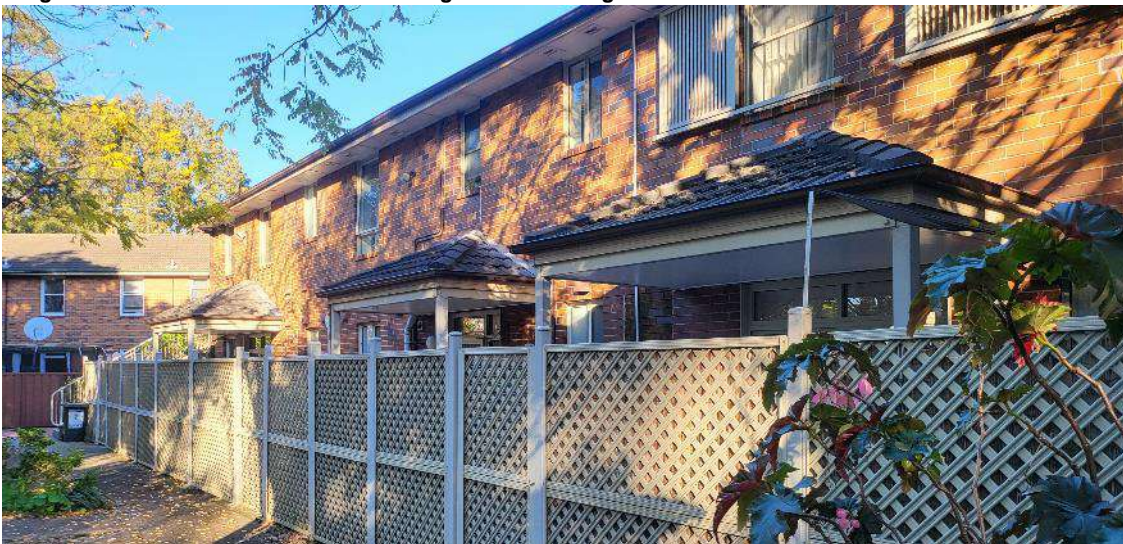
Image 6.36.3.4 Rear view of residential dwelling on Lot A facing southwest.



35 Henry Kendall Crescent, Mascot (Lot B DP36472)

- A two-storey brick and tiled roofed residential dwelling, located in the central-western portion of the lot.

Image 6.3.5 Rear view of residential dwelling on Lot B facing southwest.



37 Henry Kendall Crescent, Mascot (Lot C DP36472)

- A two-storey brick and tiled roofed residential dwelling, located in the central portion of the lot;
- A 4.0m x 2.5m brick and concrete structure, used as a laundry room, located adjacent to the northeast of the residential building;
- A 1.0m x 1.0m metal shed, located between the residential building and laundry room; and

- A 2.0m x 2.0m metal shed, located in the northeast corner of the lot.

Image 6.3.6 Rear view of residential dwelling, metal shed and concrete structure on Lot C facing southwest.



Image 6.3.7 View of metal shed in northeast corner of Lot C facing east.



794 Botany Road, Mascot (Lot D DP36472)

- A two-storey brick and tiled roofed residential dwelling, located in the central portion of the lot;
- A 4.0m x 2.5m brick and concrete structure, used as a laundry room, located adjacent to the northwest of the residential building;
- A 2.0m x 2.0m metal shed on concrete slab, used for storage of bicycles and other household items, located in the northwest corner of the lot; and
- A 2.5m x 2.0m metal shed on concrete slab, used for storage, located adjacent the north-central boundary of the lot.

Image 6.3.8 view of concrete structure on Lot D facing northeast.



Image 6.3.9 View of metal shed in northwest corner of Lot D facing east.



Image 6.3.10 View of metal shed adjacent north-central boundary of Lot D facing east.



792 Botany Road, Mascot (Lot E DP36472)

- A two-storey brick and tiled roofed residential dwelling, located in the eastern portion of the lot;
- A 4.0m x 2.5m brick and concrete structure, used as a laundry room, located adjacent to the west of the residential building;
- A 2.5m x 2.0m metal shed on concrete slab, used for storage of household items, located along the west-southern boundary of the lot;
- A 2.0m x 2.0m metal shed on concrete slab, used for storage of household items, located along the west-central boundary of the lot;
- A 2.5m x 2.0m metal shed, used for storage of household items, located along the west-northern boundary of the lot;
- A 2.5m x 2.0m metal shed on concrete slab, used for storage of household items, located along the northern boundary of the lot;
- Two rabbit hutches, along the western boundary of the lot.

Image 6.3.11 Rear view of residential dwelling and concrete structure on Lot C facing south.



Image 6.3.12 View of metal shed along west-southern, and metal shed adjacent west-central boundary of Lot E facing west.



Image 6.3.13 View of a rabbit hutch adjacent western boundary of Lot E facing west.



Image 6.3.14 View of metal shed adjacent west-northern boundary of Lot E facing west.



Image 6.3.15 View of metal shed adjacent northern boundary of Lot E facing northwest.



6.4 Infrastructure

The following infrastructure was observed during the walkover:

- Two manholes, one located in the northwest corner of Lot D and the other located adjacent to the western boundary of Lot E; and
- Two groundwater monitoring wells, one located in the southwest corner of Lot C and the other located adjacent the eastern boundary of Lot E, likely to be the wells referred to in STS Geotechnics (2024) (refer **Section 5.7.1**).

Image 6.4.1 View of manholes on Lot D (*left*) and Lot E (*right*).



6.5 Surface Water and Drainage

There were no surface water bodies observed on site.

Based on observations made during the walkover, site drainage mechanisms on site are considered likely to include:

- Infiltration into site soils, if soil permeability allows it;

- Overland surface flow following site topography, towards subsurface drainage pipes; and
- Inflow to downpipes attached to building roofs and gutters, into subsurface drainage pipes.

6.6 Hazardous Building Materials

There was no visual evidence observed during the walkover, of potential asbestos containing materials on the surface of the site.

A hazardous building materials survey was not within the scope of this project.

6.7 Chemical Handling and Storage

There was no visual evidence of chemical handling and/or storage observed on the site during the walkover. However, there was visual evidence of empty paint containers observed in the northeast portion of Lot D. Alliance considers the quantity of containers to be minor, likely associated with domestic usage at the site. Based on this, and observations reported in **Section 6.12** regarding identifying staining or odours, further assessment of these paint containers in the context of the objectives of this project is considered not warranted.

Image 6.7.1 View of used paint buckets in Lot D.



6.8 Underground and Aboveground Storage Tanks

There was no visual evidence observed during the walkover (e.g. bowsers, fill points, dip points or vent pipes), of the potential for underground storage tanks (UST).

There was no visual evidence observed during the walkover, of aboveground storage tanks (AST).

6.9 Septic Systems

There was no visual evidence observed of septic systems on the site.

6.10 Waste

There was visual evidence observed during the walkover, to indicate the storage of wastes in:

- Lot C, specifically beneath the eastern staircase, where general household items (noted to be in a dilapidated condition) like a BBQ stand, milk crate, PVC pipe, etc, were stored;
- Lot D, specifically beneath the eastern staircase, where items like empty paint containers, empty drink bottles and cartons, pipes, etc, were stored; and
- Lot E, specifically beneath the southern staircase, where household items (noted to be in a dilapidated condition) like boxes, milk crate, plastic bags, etc, were stored.

Alliance considers these items do not warrant further consideration in the context of this investigation.

Image 6.10.1 View of waste under staircase at Lot C.



Image 6.10.2 View of waste under staircase at Lot D.



Image 6.10.3 View of waste under staircase at Lot E.



6.11 Fill Material

There was no visual evidence observed to suggest widespread or significant filling observed at the site, as the surface topography appeared to be generally flat across the site.

6.12 Staining and Odours

There was no visual evidence of surface staining observed on the site.

There was no olfactory evidence detected of significant or widespread odours at the site.

6.13 Phytotoxicity

There was no visual evidence observed in unsealed areas of the site to suggest widespread or significant phytotoxic impact in the form of plant stress and/or dieback in vegetation present on the site. Similar observations were made of vegetation on land immediately beyond the site boundaries.

6.14 Land Use on Adjacent Land

Observations made from the site boundary, indicated land use activities on adjacent land were comprised of the following:

- North – Low-density residential;
- East – Roadway and a mix of commercial/industrial (police station, lawyers office, electricity substation) and medium density residential thereafter;
- West – Roadway and low-density residential thereafter;
- South – Roadway and recreation park thereafter; and
- North-east – NSW Ambulance Station.

Image 6.14.1 View of Botany Road and mix of commercial/industrial and medium density residential to the east of the site



Image 6.14.2 View of low-density residential to the north of the site



7 Per and Poly-Fluoroalkyl Substances (PFAS)

Per and poly-fluoroalkyl substances (PFAS) are a group of chemicals that are manufactured for their unique properties. There are numerous PFAS that may be present in the environment. Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) are two major PFAS, that were originally found as components in products used to provide stain resistance or as firefighting foams. Some PFAS have been recognised as highly persistent, potentially bio-accumulative and toxic, and have been detected in the environment, wildlife, people and food. When considering potential for PFAS to be present on a site, Section 6 of HEPA (2020) advises that consideration should be given to identifying the presence of:

- Major primary sources of PFAS, including major commercial, industrial and government facilities, infrastructure and activities that historically or currently use or store PFAS containing products, noting that all PFAS formulations should be considered, such as surfactants used in chrome plating or firefighting, hydraulic fluids and lubricants, and wastes and liquid wastes;
- Other primary sources where PFAS is or has been used, such as firefighting training facilities, foam deluge system installations, metal plating works, car washes, and electricity generation and distribution facilities;
- Secondary sources where diffuse PFAS inputs are or have been received, such as landfills, wastewater treatment facilities, liquid waste treatment facilities, and bio-solids stockpiles.

Data obtained during the site history review reported in **Section 5**, and observations made during the site walkover in **Section 6**, was reviewed in the context of Section 6.1, Table B1 and Table B2 of HEPA (2020).

Based on that review, Alliance considers that:

- activities associated with PFAS contamination due to risk of fire; and
- activities associated with PFAS more broadly,

are unlikely to have been undertaken on the site.

Alliance considers the following land use activities associated with PFAS contamination due to risk of fire may have occurred immediately adjacent to the site associated with the ambulance station:

- Petroleum storage.

Based on the results of the preliminary PFAS screening review, further assessment of PFAS related land contamination risks on the site, associated with the adjacent ambulance station land use activity, is considered warranted.

8 Chemical Control Orders

Chemical control orders (CCO) are created under Part 3, Division 5 of the Environmentally Hazardous Chemicals Act 1985, and are used to selectively and specifically control particular chemicals, or chemical wastes, to limit their potential or actual impact on the environment. Alliance has adopted the matrix presented in **Table 8** (which is based on the NSW EPA CCO available at the time of this project), to facilitate a preliminary screening of the potential for those control order chemicals to be present on site.

Table 8 Chemical Control Order Preliminary Screening

Preliminary CCO Screening Questions	Potential to have occurred
Were aluminium smelter wastes used or stored on site? ⁶	No
Were dioxin-contaminated wastes generated or stored on site? ⁷	No
Were organotin wastes generated or stored on site? ⁸	No
Were polychlorinated biphenyls (PCB) used or stored on site? ⁹	No
Were scheduled chemicals ¹⁰ used, or wastes stored, on site? ¹¹	Yes

The historical records review and observations made during the site walkover, identified the following potential sources of CCO related chemicals for the site:

- Potential use of pesticides for termite treatment of buildings.

⁶ SPCC 1986, 'Chemical Control Order In Relation to Aluminium Smelter Wastes Containing Fluoride and/or Cyanide' dated 21 March 1986

⁷ NSW EPA 1986, 'Chemical Control Order In Relation to Dioxin-Contaminated Waste Materials' dated 14 March 1986

⁸ NSW EPA 1989, 'Chemical Control Order In Relation to Organotin Wastes' dated 11 March 1989

⁹ NSW EPA 1997, 'Polychlorinated Biphenyl Chemical Control Order' dated 20 June 1997

¹⁰ Primarily organochlorine pesticide (OCP) compounds, with some industrial by-products

¹¹ NSW EPA 2004, 'Chemical Control Order in Relation to Scheduled Chemical Wastes

9 Areas of Environmental Concern, Contaminants of Potential Concern and Potential Receptors

A number of potential land contaminating activities have been identified for the site, based on the site history review and site walkover observations. These include:

- Uncontrolled filling;
- Uncontrolled demolition;
- Termite treatment of current and former structures;
- Potential former council depot usage;
- Use of hazardous building materials;
- Off-site (adjacent site boundary) underground storage tank, storage and handling of petroleum; and
- Deposition of acid sulfate soils (ASS).

Table J1 in Appendix J of AS 4482.1-2005¹², Table B1 in Appendix B of WA DWER (2021) and Table B1 and Table B2 in Appendix B of HEPA (2020) provides guidance on chemicals associated with land use activities. That guidance provides a basis for deciding on contaminants of potential concern (COPC) for each relevant land use activity.

Based on:

- The identified land contaminating activities that have potentially been undertaken on site;
- The identified contaminants of potential concern (COPC) associated with those land contaminating activities; and
- The receptors identified for the site, likely to be associated with the proposed redevelopment of the site;

a summary AEC, COPC and receptor table, is presented within **Table 9**.

The locations of the AEC are presented in **Figure 3**.

¹² Alliance understands this standard has been withdrawn, however, guidance on the Aged Standards Review process at <https://www.standards.org.au/standards-development/aged-standards>, indicates that it is still possible for a withdrawn standard to be used within an industry or reference by a government if chosen to do so. On the basis that this standard is referenced in NEPC (2013b), it is considered reasonable to still refer to it, within the context of this project.

Table 9 Areas of Environmental Concern and Contaminants of Potential Concern

Activities	Land Contaminating Activity (Source)	COPC	Receptor
Site footprint (~4,880m ² and nominally 0.5m thick)	Uncontrolled filling Uncontrolled demolition Use of hazardous building materials Historic termite treatment Potential council depot activities	Petroleum hydrocarbons, polycyclic aromatic hydrocarbons, pesticides, polychlorinated biphenyl, metals, asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Residential Building 01 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems

Table 9 Areas of Environmental Concern and Contaminants of Potential Concern

Activities	Land Contaminating Activity (Source)	COPC	Receptor
Residential Building 02 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Residential Building 03 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / Aquatic ecosystems

Table 9 Areas of Environmental Concern and Contaminants of Potential Concern

Activities	Land Contaminating Activity (Source)	COPC	Receptor
Residential Building 04 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Residential Building 05 (~200m ²)	Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems

Table 9 Areas of Environmental Concern and Contaminants of Potential Concern

Activities	Land Contaminating Activity (Source)	COPC	Receptor
Historic scattered small buildings/sheds and potential tents in the southeast portion of the site, observed from 1943 and removed by 1951 (~1,540m ²)	Uncontrolled demolition Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Historic building in the southeast portion of the site, observed from 1951 and removed by 1961 (~150m ²)	Uncontrolled demolition Use of hazardous building materials Historic termite treatment	Pesticides, polychlorinated biphenyl, metals and asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems

Table 9 Areas of Environmental Concern and Contaminants of Potential Concern

Activities	Land Contaminating Activity (Source)	COPC	Receptor
Historic scattered small sheds and/or wastes stored in the southwest portion of the site, observed from 1951 and removed by 1961 (~1,170m ²)	Uncontrolled demolition Use of hazardous building materials Historic termite treatment Waste storage	Petroleum hydrocarbons, polycyclic aromatic hydrocarbons, pesticides, polychlorinated biphenyl, metals, asbestos	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Offsite – UST adjacent northeast boundary of site	Underground storage and handling of petroleum	Petroleum hydrocarbons, MTBE, polycyclic aromatic hydrocarbons, lead, PFAS	Residents with accessible soil Residents with limited access to soil Open space users Intrusive maintenance workers Terrestrial / aquatic ecosystems
Site footprint (~4,880m ²)	Acid sulfate soils	Sulfidic ores	Site environment Site structures

10 Duty to Report Contamination

Section 1.3 of NSW EPA (2020b) states that contaminated land consultants should take reasonable steps to draw the client's attention to its potential duty to report contamination under section 60 of the Contaminated Land Management Act 1997.

Section 2 in NSW EPA (2015) includes guidance on how to address reporting obligations under section 60 of the Contaminated Land Management Act 1997, including those parties required to notify EPA as soon as practical after they become aware of contamination. Those parties include:

- Anyone whose activities have contaminated land; or
- An owner of land that has been contaminated.

Alliance understands that the client is the owner and/or occupier of the land that the site is located on. However, the scope of work that Alliance was engaged to undertake for this project, did not include assessment of site contamination data against the relevant duty to report notification triggers provided in NSW EPA (2015). However, if the client:

- has undertaken activities on the site that may have contaminated the land; or
- is the owner of the land that may have been contaminated;

then NSW EPA (2015) includes guidance on when the client should seek further advice about site contamination and its obligations regarding the duty to report. Additional information on the client's duty to report can be found at www.epa.nsw.gov.au.

11 Conclusions and Recommendations

Based on the assessment undertaken by Alliance of site history information and site walkover observations, in the context of the objectives of this project and the proposed rezoning, Alliance has made the following conclusions:

- The potential for land contamination to be present at the site as a result of current and previous land use activities, is considered to be low to moderate;
- There is a potential for acid sulfate soils to be present on the site;
- If there is land contamination on the site, and that land contamination presented an unacceptable human health or ecological exposure risk, then there are readily available and proven technologies available to manage and/or remediate the contaminants of potential concern identified for the site;
- If there are acid sulfate soils on the site, and those soils will be disturbed during future redevelopment of the site under the proposed rezoning, then there are readily available and proven technologies available to manage and/or remediate the contaminants of potential concern identified for the site;
- The site could be made suitable for the proposed rezoning to R4 – High Density Residential, subject to the undertaking of:
 - a detailed site investigation (DSI), and subsequent management / remediation of identified unacceptable human health / ecological exposure risks associated with any future redevelopment of the site for land uses under the proposed rezoning; and
 - further acid sulfate soils assessment, and subsequent management of identified acid sulfate soils that may be disturbed during any future redevelopment of site for land uses under the proposed rezoning;
- These conclusions are based on the site suitability for the specific land use scenario under that zoning (permitted with consent) being assessed, in accordance with, but not necessarily limited to, the relevant provisions of:
 - State Environmental Planning Policy (SEPP) Resilience and Hazards 2021;
 - Planning Secretary's Environmental Assessment Requirements (SEARs) for In-fill Affordable Housing;
 - Bayside Local Environmental Plan 2021;
 - Botany Bay Development Control Plan 2013; and
- Groundwater abstraction on the site should not be undertaken, without prior assessment by a suitably experienced environmental consultant and relevant approvals being obtained from WaterNSW and NSW Department of Planning and Environment.

Based on those conclusions, Alliance makes the following recommendations:

- Following rezoning of the site, consent to carrying out any development on the site should only be provided once the consent authority has:
 - considered whether the land is contaminated, and
 - (a) if the land is contaminated, it is satisfied that the land is suitable in its contaminated state (or will be suitable, after remediation) for the purpose for which the development and any land for which the zone is permitted to be used is proposed to be carried out, and

(b) if the land requires remediation to be made suitable for the purpose for which the development is proposed to be carried out and any land in that zone that is permitted to be used, it is satisfied that the land will be remediated before the land is used for that purpose.

This report must be read in conjunction with the ***Important Information About This Report*** statements at the front of this report.

12 References

EnRisk 2016, 'Proposed Decision Tree for Prioritising Sites Potentially Contaminated with PFAS' dated 25 February 2016.

Friebel, E & Nadebaum, P 2011, 'Health screening levels for petroleum hydrocarbons in soil and groundwater. Part 2: Application document', CRC CARE Technical Report No. 10.

HEPA 2020, 'PFAS National Environmental Management Plan', dated January 2020, version 2.0

National Environment Protection Council (NEPC) 2013a, 'Schedule B(1) Guideline on Investigation Levels for Soil and Groundwater', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

National Environment Protection Council (NEPC) 2013b, 'Schedule B(2) Guideline on Site Characterisation', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

National Environment Protection Council (NEPC) 2013c, 'Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soil', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

National Environment Protection Council (NEPC) 2013d, 'Schedule B(4) Guideline on Site-Specific Health Risk Assessment Methodology', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

National Environment Protection Council (NEPC) 2013e, 'Schedule B(5a) Guideline on Ecological Risk Assessment', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

National Environment Protection Council (NEPC) 2013f, 'Schedule B(5b) Guideline on Methodology to Derive Ecological Investigation Levels in Contaminated Soils', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

National Environment Protection Council (NEPC) 2013g, 'Schedule B(5c) Guideline on Ecological Investigation Levels for Arsenic, Chromium (III), Copper, DDT, Lead, Naphthalene, Nickel and Zinc', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

National Environment Protection Council (NEPC) 2013h, 'Schedule B(6) Guideline on The Framework for Risk-Based Assessment of Groundwater Contamination', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

National Environment Protection Council (NEPC) 2013i, 'Schedule B(7) Guideline on Derivation of Health-Based Investigation Levels', National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013.

NSW DEC 2005, 'Contaminated Sites: Guidelines for Assessing Former Orchards and Market Gardens', dated June 2005, ref: DEC 2005/195.

NSW DPIE 2021, 'State Environmental Planning Policy (Resilience and Hazards) 2021'

NSW EPA 1989, 'Chemical Control Order In Relation to Organotin Wastes' dated 11 March 1989

NSW EPA 1997, 'Polychlorinated Biphenyl Chemical Control Order' dated 20 June 1997

NSW EPA 2000, 'Environmental Guidelines: Use and Disposal of Biosolid Products' dated December 2000, ref: EPA 97/62

NSW EPA 2004, 'Chemical Control Order in Relation to Scheduled Chemical Wastes', dated 11 June 2004

NSW EPA 2015, 'Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997' dated September 2015, ref: EPA 2015/0164.

NSW EPA 2016, 'Environmental Guidelines: Solid Waste Landfills, Second Edition', dated 2016, ref: EPA 2016/0259

NSW EPA 2020a, 'Assessment and management of hazardous ground gases' dated May 2020, ref: EPA 2019P2047

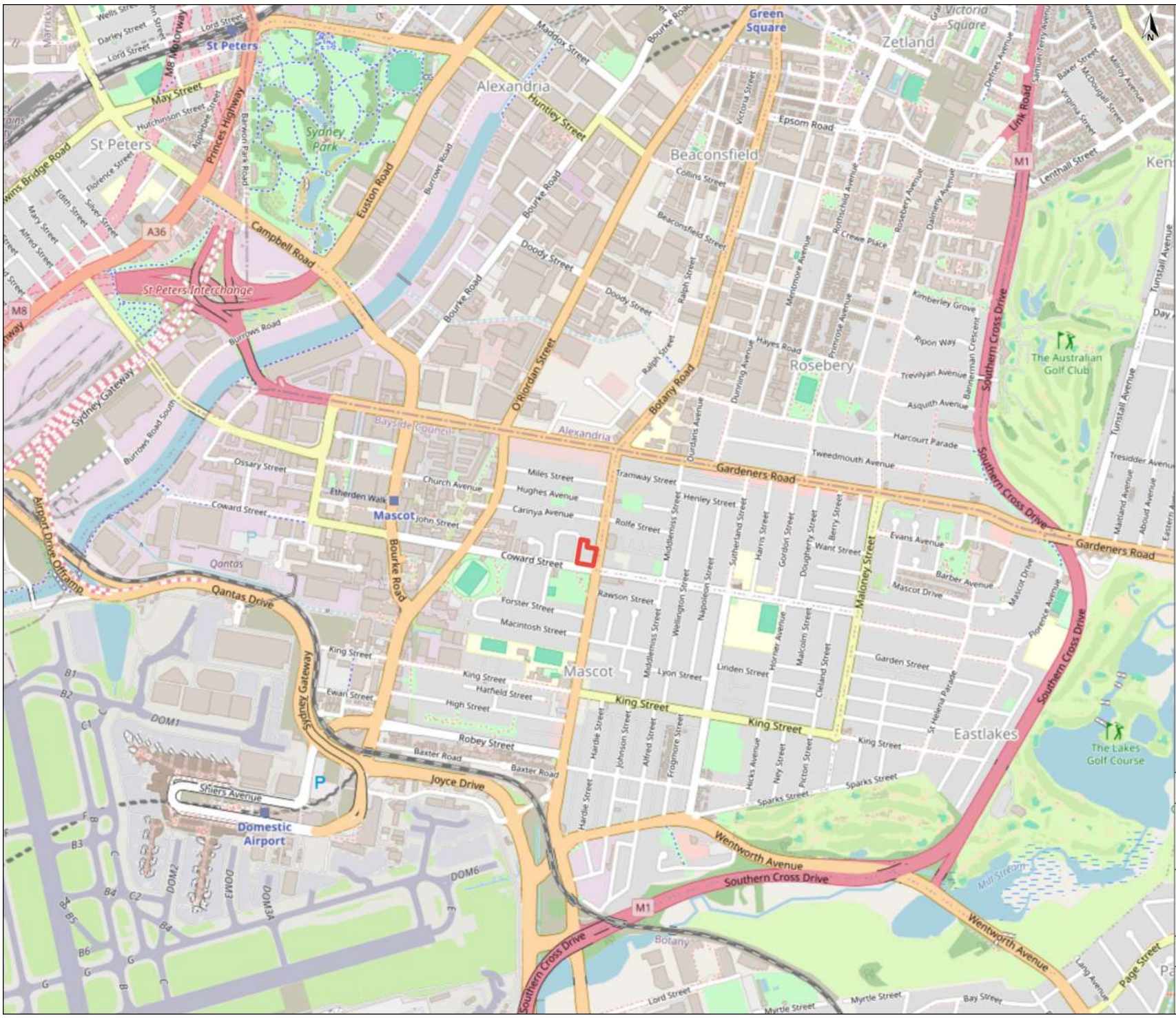
NSW EPA 2020b, 'Contaminated Land Guidelines: Consultants reporting on contaminated land' dated May 2020, ref: EPA2020P2233.

NSW Government 2022, 'State Environmental Planning Policy (Resilience and Hazards) 2021.

SPCC 1986, 'Chemical Control Order In Relation to Aluminium Smelter Wastes Containing Fluoride and/or Cyanide' dated 21 March 1986

Sullivan, L, Ward, N, Toppler, N and Lancaster, G 2018, 'National Acid Sulfate Soils Guidance: National acid sulfate soils sampling and identification methods manual' dated June 2018

FIGURES



Legend

Site Boundary

0 250 m 500 m

© OpenStreetMap contributors

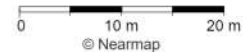
alliance

Produced by Datanest.earth

Title: Site Location Plan		
Client: New South Wales Land and Housing Corporation		Size: A4
Project: 33 Henry Kendall Crescent Mascot	Drawn: SI	Figure No.: 1
Date: 30-06-2024	Checked: SW	
Proj No: 17716.3	Scale: 1:19607	Version: ER-2-1



- Legend
- High-Density Residential Building
 - Approximate Site Boundary



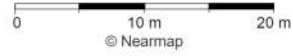
alliance

Produced by Datanest.earth

Title: Site Layout Plan		
Client: New South Wales Land and Housing Corporation		Size: A4
Project: 33 Henry Kendall Crescent Mascot	Drawn: SI	Figure No.: 2
Date: 30-06-2024	Checked: SW	
Proj No: 17716.3	Scale: 1:738	Version: ER-2-1



- Legend**
- Site Footprint
 - Historic Buildings / Sheds
 - Historic Sheds
 - Approximate Site Boundary

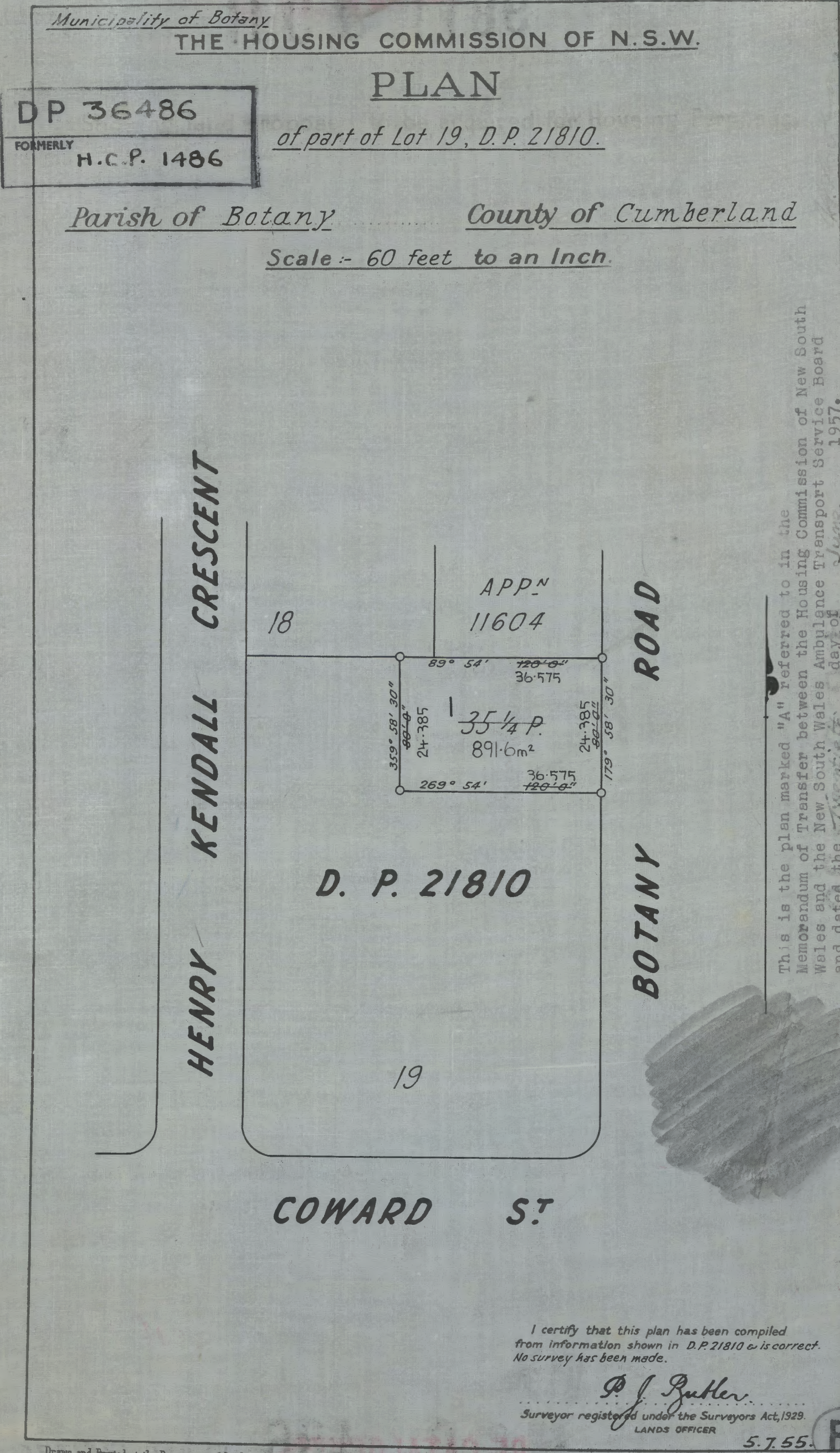


alliance
Produced by Datanest.earth

Title: Areas of Environmental Concern		
Client: New South Wales Land and Housing Corporation		Size: A4
Project: 33 Henry Kendall Crescent Mascot	Drawn: SI	Figure No.: 3
Date: 30-06-2024	Checked: SW	
Proj No: 17716.3	Scale: 1:584	Version: ER-2-1

APPENDIX A – Land Titles

Ps4/6 G 756409
2016
10/11/16
10/11/16



HCB 1486

I certify that this plan has been compiled from information shown in D.P. 21810 & is correct. No survey has been made.

P. J. Butler
Surveyor registered under the Surveyors Act, 1929.
LANDS OFFICER



Ref 1687



SEARCH DATE

27/2/2023 3:35PM

FOLIO: 1/36486

First Title(s): OLD SYSTEM

Prior Title(s): VOL 7382 FOL 222

Recorded	Number	Type of Instrument	C.T. Issue
31/3/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
1/11/2019	AP408420	REQUEST	
1/11/2019	AP651116	DEPARTMENTAL DEALING	EDITION 1

*** END OF SEARCH ***



FOLIO: 1/36486

SEARCH DATE	TIME	EDITION NO	DATE
27/2/2023	3:34 PM	1	1/11/2019

LAND

LOT 1 IN DEPOSITED PLAN 36486

AT MASCOT

LOCAL GOVERNMENT AREA BAYSIDE

PARISH OF BOTANY COUNTY OF CUMBERLAND

TITLE DIAGRAM DP36486

FIRST SCHEDULE

HEALTH ADMINISTRATION CORPORATION

(R AP408420)

SECOND SCHEDULE (3 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 C949528 EASEMENT FOR DRAINAGE APPURTENANT TO THE LAND ABOVE DESCRIBED
- 3 G756409 COVENANT

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

27/2/2023 3:35PM

FOLIO: AUTO CONSOL 6306-24

Recorded -----	Number -----	Type of Instrument -----	C.T. Issue -----
9/12/1992		CONSOL HISTORY RECORD CREATED FOR AUTO CONSOL 6306-24	

PARCELS IN CONSOL ARE:
A-E/36472.

*** END OF SEARCH ***



FOLIO: AUTO CONSOL 6306-24

SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
27/2/2023	3:34 PM	-	-

VOL 6306 FOL 24 IS THE CURRENT CERTIFICATE OF TITLE

LAND

LAND DESCRIBED IN SCHEDULE OF PARCELS

LOCAL GOVERNMENT AREA BAYSIDE
PARISH OF BOTANY COUNTY OF CUMBERLAND
TITLE DIAGRAM DP36472

FIRST SCHEDULE

NEW SOUTH WALES LAND AND HOUSING CORPORATION

(T F403972)

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 C949528 EASEMENT FOR DRAINAGE APPURTENANT TO LOTS A, B, C,
D & E ABOVE DESCRIBED AFFECTING THE LAND SHOWN SO
BURDENED IN VOL 5619 FOL 205

NOTATIONS

UNREGISTERED DEALINGS: NIL

SCHEDULE OF PARCELS

LOT A IN DP36472
LOT B IN DP36472
LOT C IN DP36472
LOT D IN DP36472
LOT E IN DP36472.

*** END OF SEARCH ***



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

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

Summary of Owners Report

Address: - 776 & 792-794 Botany Road & 33-37 Henry Kendall Crescent, Mascot, NSW 2302

Description: - Lot 1 D.P. 36486 & Lots A, B, C, D & E D.P. 36472

As regards to the whole of the land: -

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
06.01.1925 (1925 to 1941)	Victoria Elizabeth Ferguson (Widow) Marguerite Catherine Rogers (Married Woman) (Transmission Application not investigated)	Volume 1389 Folio 14 Then Volume 5031 Folio 2 Now Volume 5186 Folio 200
17.12.1941 (1941 to 1946)	Horace Ernest Isaacs (Solicitor) Douglas Heathcote Bethune Adams (Estate Agent) John Harries (Chartered Accountant)	Volume 5186 Folio 200 Now Volume 5358 Folio 249
11.03.1946 (1946 to 1951)	The Council of the Municipality of Mascot	Volume 5358 Folio 249 Now Volume 5619 Folio 205

Continued as regards to Lot 1 D.P. 36486: -

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
08.01.1951 (1951 to 1957)	The Housing Commission of New South Wales	Volume 5619 Folio 205 Now Volume 6306 Folio 24
20.06.1957 (1957 to 2019)	New South Wales Ambulance Transport Service Board	Volume 6306 Folio 24 Then Volume 7382 Folio 222 Now 1/36486
01.11.2019 (2019 to Date)	# Health Administration Corporation	1/36486

Denotes current registered proprietor

Leases: - NIL

Easements: - NIL

Email: mark.groll@infotrack.com.au
Email: taylor.wilson@infotrack.com.au



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

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

Continued as regards to Lots A, B, C, D & E D.P. 36472: -

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
08.01.1951 (1951 to Date)	# The Housing Commission of New South Wales Now # New South Wales Land and Housing Corporation	Volume 5619 Folio 205 Then Volume 6306 Folio 24 Now Auto Consol 6306-24

Denotes current registered proprietor

Leases: - NIL

Easements: - NIL

Yours Sincerely,
Taylor Wilson
28th February 2023

APPENDIX B – Groundwater Records

[home](#) [help](#) [contact](#)
[customise](#)

State Overview

[State Overview](#)

Rivers and Streams

[favourites](#) [search](#)
[download sites](#)
[find a site](#)
[Real Time Data - Riv...](#)

Daily River Reports

[Daily River Reports](#)

Dams

[favourites](#) [search](#)
[download sites](#)
[find a site](#)
[Real Time Data - Ma...](#)

Groundwater (Telemetered data)

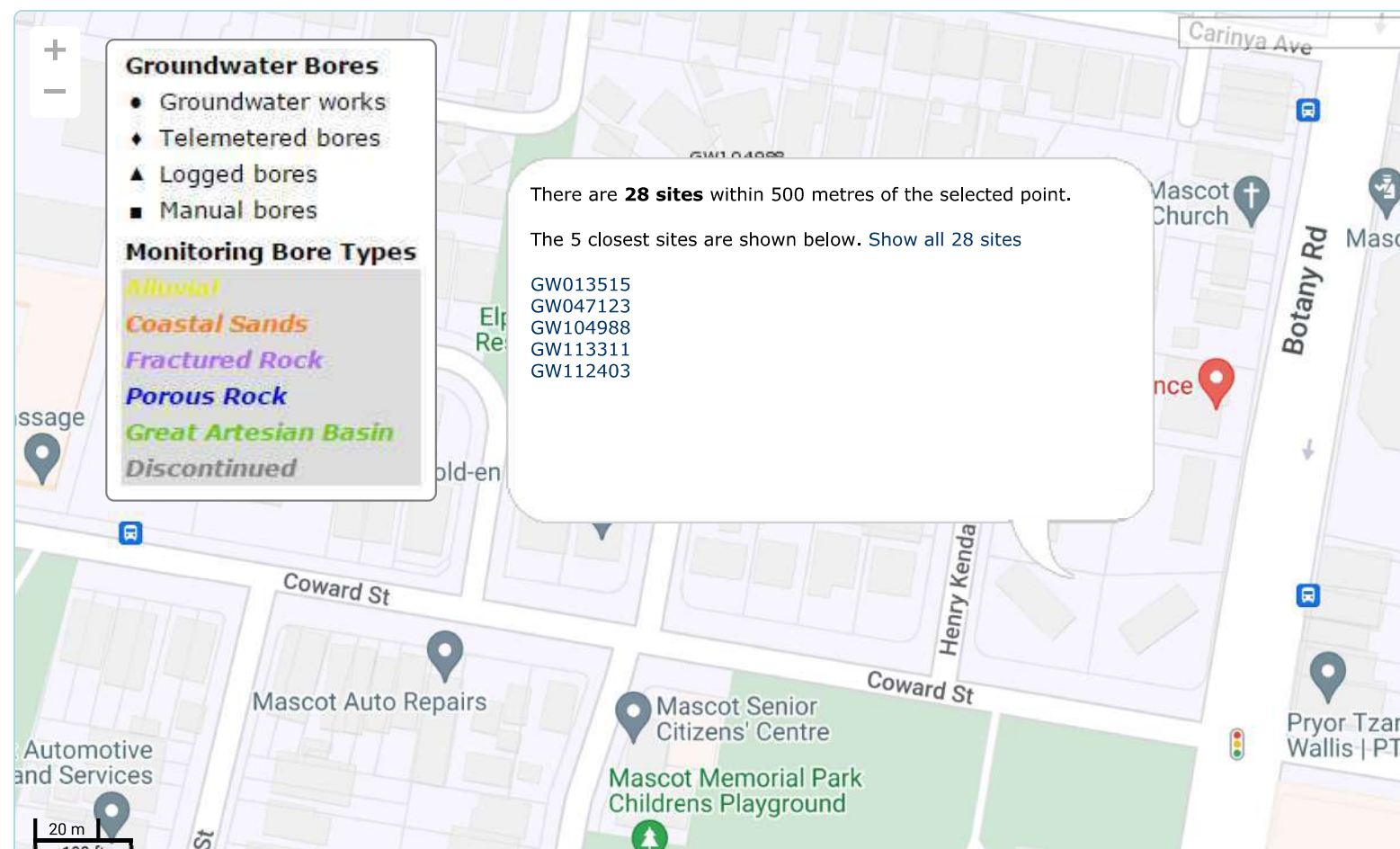
[favourites](#) [search](#)
[download sites](#)

All Groundwater Site Details

ALL GROUNDWATER MAP

[bookmark this page](#)

All data times are Eastern Standard Time

[Map](#) [Info](#)


WaterNSW

Work Summary

GW100484

Licence:	Licence Status:
Authorised Purpose(s): Intended Purpose(s): MONITORING BORE	
Work Type: Bore	
Work Status: Equipped	
Construct.Method: Rot. Rev. Circ	
Owner Type: Private	
Commenced Date:	Final Depth:
Completion Date: 19/12/1996	Drilled Depth:
Contractor Name: Macquarie Drilling	
Driller:	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
Form A:	County CUMBERLAND	Parish BOTANY	Cadastre 1/19430
Licensed:			
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:	Scale:	
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6245035.000	Latitude: 33°55'18.8"S	
Elevation Source: Unknown	Easting: 332935.000	Longitude: 151°11'33.7"E	
GS Map: -	MGA Zone: 56	Coordinate Source: Unknown	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	4.00	200			Rot. Rev. Circ. Air
1		Annulus	(Unknown)	1.60	4.00				Graded
1	1	Casing	P.V.C.	0.00	1.70	65			Seated on Bottom,
1	1	Opening	Slots	1.70	4.00	65		0	Sawn, PVC, SL: 2.3mm, A: 0.40mm
2		Hole	Hole	0.00	3.80	200			Rotary
2		Annulus	(Unknown)	1.60	3.80	200			Graded
2	2	Casing	P.V.C.	0.00	1.70	65			Seated on Bottom,
2	2	Opening	Slots - Horizontal	1.70	3.80			0	Sawn, PVC, A: 0.40mm
3		Hole	Hole	0.00	3.50	200			Rotary
3		Annulus	(Unknown)	1.20	3.50	200	65		Graded
3	3	Casing	P.V.C.	0.00	1.30	65			Seated on Bottom,
3	3	Opening	Slots - Horizontal	1.30	3.50	65		0	Sawn, PVC, A: 0.40mm

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	CONCRETE	Fill	
0.30	2.50	2.20	FILL	Fill	

2.50	4.00	1.50	NATURAL SANDS	Sand	
------	------	------	---------------	------	--

Remarks

14/01/2013: Nat Carling, 14-Jan-2013; Added rock type codes to driller's log & added missing information (based on existing data).

*** End of GW100484 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW102366

Licence: 10WA113281	Licence Status: CURRENT
Authorised Purpose(s): DOMESTIC Intended Purpose(s): DOMESTIC	
Work Type: Bore	
Work Status:	
Construct.Method:	
Owner Type:	
Commenced Date:	Final Depth: 7.00 m
Completion Date: 23/05/1999	Drilled Depth: 7.00 m
Contractor Name: (None)	
Driller: Rosario Fedele	
Assistant Driller:	
Property: TAMSISWADI 76 Coward St ROSEBERRY 2474 NSW	Standing Water Level (m):
GWMA: -	Salinity Description:
GW Zone: -	Yield (L/s):

Site Details

Site Chosen By:			
Form A: CUMBERLAND Licensed: CUMBERLAND	County CUMBERLAND	Parish BOTANY BOTANY	Cadastre LOT1 SEC5 DP5693 Whole Lot 1/5/5693
Region: 10 - Sydney South Coast		CMA Map:	
River Basin: - Unknown	Grid Zone:	Scale:	
Area/District:			
Elevation: 0.00 m (A.H.D.) Elevation Source: Unknown	Northing: 6244629.000 Easting: 333597.000	Latitude: 33°55'32.3"S Longitude: 151°11'59.2"E	
GS Map: -	MGA Zone: 56	Coordinate Source: GIS - Geogra	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	7.00	90			Hand Drilled
1	1	Casing	Lining	0.00	0.00				

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	7.00	7.00	SAND	Sand	

*** End of GW102366 ***

WaterNSW

Work Summary

GW103230

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): DOMESTIC
Work Type: Bore	
Work Status:	
Construct.Method:	
Owner Type:	
Commenced Date:	Final Depth: 5.00 m
Completion Date: 15/08/1995	Drilled Depth: 5.00 m
Contractor Name: BD ROGAN	
Driller: Barry Donald Rogan	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:	County	Parish	Cadastre
	Form A: Licensed:	UNKNOWN	
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 0.000	Latitude: 0°00'00.0"N	
Elevation Source: Unknown	Easting: 0.000	Longitude: 0°00'00.0"E	
GS Map: -	MGA Zone: 0	Coordinate Source: Unknown	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	5.00	0			Unknown

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	5.00	5.00	ALL SAND	Sand	

*** End of GW103230 ***

WaterNSW

Work Summary

GW103588

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): DOMESTIC
Work Type: Bore	
Work Status:	
Construct.Method:	
Owner Type:	
Commenced Date:	Final Depth: 7.00 m
Completion Date: 18/02/2001	Drilled Depth: 7.00 m
Contractor Name: (None)	
Driller: Rosario Fedele	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 64//18795
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244836.000		Latitude: 33°55'25.2"S
Elevation Source: Unknown	Easting: 332905.000		Longitude: 151°11'32.3"E
GS Map: -	MGA Zone: 56		Coordinate Source: Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	7.00	90			Auger
1	1	Casing	Lining	0.00	0.00				

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	7.00	7.00	SAND	Sand	

*** End of GW103588 ***

WaterNSW

Work Summary

GW103705

Licence:	Licence Status:
Authorised Purpose(s): Intended Purpose(s): MONITORING BORE	
Work Type: Bore	
Work Status:	
Construct.Method:	
Owner Type:	
Commenced Date:	Final Depth: 4.70 m
Completion Date: 02/11/2000	Drilled Depth: 4.70 m
Contractor Name: (None)	
Driller:	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 1/609849
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244213.000	Latitude: 33°55'45.5"S	
Elevation Source: Unknown	Easting: 333097.000	Longitude: 151°11'39.4"E	
GS Map: -	MGA Zone: 56	Coordinate Source: Unknown	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	4.70	100			Unknown

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.15	0.15	CONCRETE PAVEMENT	Invalid Code	
0.15	0.70	0.55	SAND:MEDIUM BROWN /ROCKS AND GLASS	Sand	
0.70	1.60	0.90	SAND:WHITE,NATURAL MATERIAL	Sand	
1.60	4.70	3.10	SAND:VERY DARK BROWN	Sand	

WaterNSW

Work Summary

GW103706

Licence:	Licence Status:
Authorised Purpose(s):	
Intended Purpose(s): MONITORING BORE	
Work Type: Bore	
Work Status:	
Construct.Method:	
Owner Type:	
Commenced Date:	Final Depth: 4.30 m
Completion Date: 02/11/2000	Drilled Depth: 4.30 m
Contractor Name: (None)	
Driller:	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
Form A: CUMBERLAND	County	Parish	Cadastre
Licensed:	CUMBERLAND	BOTANY	1/609849
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:	Scale:	
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244213.000	Latitude: 33°55'45.5"S	
Elevation Source: Unknown	Easting: 333097.000	Longitude: 151°11'39.4"E	
GS Map: -	MGA Zone: 56	Coordinate Source: Unknown	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	4.30	100			Unknown

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.11	0.11	CONCRETE SLAB	Unknown	
0.11	0.26	0.15	FILL	Fill	
0.26	0.36	0.10	CONCRETE SLAB	Unknown	
0.36	0.50	0.14	SAND:BROWN	Sand	
0.50	1.60	1.10	SAND:YELLOW-BROWN	Sand	
1.60	2.40	0.80	LOAMY SAND:DARK BROWN	Sand	
2.40	3.40	1.00	SANDY LOAM:VERY DARK BROWN	Loam	
3.40	4.30	0.90	SANDY LOAM:DARK GREY	Loam	

WaterNSW

Work Summary

GW103707

Licence:

Licence Status:

Authorised Purpose(s):

Intended Purpose(s): MONITORING BORE

Work Type: Bore

Work Status:

Construct.Method: Auger

Owner Type:

Commenced Date:

Completion Date: 03/11/2000

Final Depth: 4.20 m

Drilled Depth: 4.20 m

Contractor Name: (None)

Driller:

Assistant Driller:

Property:

GWMA:

GW Zone:

Standing Water Level (m):

Salinity Description:

Yield (L/s):

Site Details

Site Chosen By:

County CUMBERLAND

Parish BOTANY

Cadastre 1/609849

Form A: Licensed:

Region: 10 - Sydney South Coast

CMA Map:

River Basin: - Unknown

Grid Zone:

Scale:

Area/District:

Elevation: 0.00 m (A.H.D.)

Northing: 6244213.000

Latitude: 33°55'45.5"S

Elevation Source: Unknown

Easting: 333097.000

Longitude: 151°11'39.4"E

GS Map: -

MGA Zone: 56

Coordinate Source: Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	4.20	100			Auger

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.90	0.90	SAND:ORANGE-BROWN	Sand	
0.90	1.20	0.30	SAND:RED	Sand	
1.20	1.50	0.30	SAND:SHARP BOUNDARY,PALE IN COLOUR	Sand	
1.50	1.70	0.20	SAND:GREY	Sand	
1.70	2.10	0.40	SAND:WHITE	Sand	
2.10	2.30	0.20	LOAMY SAND	Sand	
2.30	2.80	0.50	LOAMY SAND:PALER RED-BROWN	Sand	
2.80	4.20	1.40	SAND:YELLOW-GREY	Sand	

WaterNSW

Work Summary

GW104988

Licence:

Licence Status:

Authorised Purpose(s):

Intended Purpose(s): DOMESTIC

Work Type: Bore

Work Status: Supply Obtained

Construct.Method:

Owner Type: Private

Commenced Date:

Completion Date: 15/12/2001

Final Depth: 7.00 m

Drilled Depth: 7.00 m

Contractor Name: (None)

Driller: Rosario Fedele

Assistant Driller:

Property:

Standing Water Level 4.000 (m):

GWMA:

Salinity Description:

GW Zone:

Yield (L/s): 1.000

Site Details

Site Chosen By:

County

Parish

Cadastre

Form A: CUMBERLAND

Botany

LT 11 DP 21810

Licensed:

Region: 10 - Sydney South Coast

CMA Map: 9130-3S

River Basin: 213 - SYDNEY COAST - GEORGES RIVER

Grid Zone:

Scale:

Area/District:

Elevation: 0.00 m (A.H.D.)

Northing: 6244789.000

Latitude: 33°55'26.8"S

Elevation Source: (Unknown)

Easting: 333077.000

Longitude: 151°11'39.0"E

GS Map: -

MGA Zone: 56

Coordinate Source: Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	7.00	100			Auger
1	1	Casing	Lining	0.00	0.00				
1	1	Casing	Pvc Class 12	0.00	7.00	113			

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
0.00	7.00	7.00	Unknown	4.00		1.00			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	7.00	7.00	SAND	Sand	

WaterNSW

Work Summary

GW107976

Licence:	Licence Status:
Authorised Purpose(s):	
Intended Purpose(s): DEWATERING (GROU	
Work Type: Spear	
Work Status:	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 3.50 m
Completion Date: 05/10/2004	Drilled Depth: 3.50 m
Contractor Name:	
Driller: Unkown Unknown	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
Form A: Licensed:	County CUMBERLAND	Parish BOTANY	Cadastre A 438865
Region: 10 - Sydney South Coast		CMA Map:	
River Basin: - Unknown	Grid Zone:	Scale:	
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244864.000	Latitude: 33°55'24.5"S	
Elevation Source: Unknown	Easting: 333211.000	Longitude: 151°11'44.3"E	
GS Map: -	MGA Zone: 56	Coordinate Source: GIS - Geogra	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	3.50	0			Other
1	1	Casing	Lining	0.00	0.00				

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.70	0.70	topsoil, fill	Topsoil	
0.70	2.00	1.30	sand, loose	Sand	
2.00	2.50	0.50	sandy, coarse	Sandy Clay	
2.50	3.50	1.00	sand, peaty	Sand	

Remarks

23/04/2010: updated from original form A

WaterNSW

Work Summary

GW112403

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): GROUNDWATER REME
Work Type: Well	
Work Status:	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 0.90 m
Completion Date: 29/11/2007	Drilled Depth: 0.90 m
Contractor Name: (None)	
Driller: Unkown Unknown	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 4//14834
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244856.000		Latitude: 33°55'24.7"S
Elevation Source: Unknown	Easting: 333189.000		Longitude: 151°11'43.4"E
GS Map: -	MGA Zone: 56		Coordinate Source: Unknown

Remarks

22/07/2014: Nat Carling, 22-July-2014; Added status, drill method & drilled depth.

*** End of GW112403 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW112404

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): GROUNDWATER REME
Work Type: Well	
Work Status:	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 1.30 m
Completion Date: 29/11/2007	Drilled Depth: 1.30 m
Contractor Name: (None)	
Driller: Unkown Unknown	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 4//14834
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244861.000		Latitude: 33°55'24.6"S
Elevation Source: Unknown	Easting: 333190.000		Longitude: 151°11'43.5"E
GS Map: -	MGA Zone: 56		Coordinate Source: Unknown

Remarks

22/07/2014: Nat Carling, 22-July-2014; Added status, drill method & drilled depth.

*** End of GW112404 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW112405

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): GROUNDWATER REME
Work Type: Well	
Work Status:	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 1.30 m
Completion Date: 29/11/2007	Drilled Depth: 1.30 m
Contractor Name: (None)	
Driller: Unkown Unknown	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 4//14834
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244876.000		Latitude: 33°55'24.1"S
Elevation Source: Unknown	Easting: 333193.000		Longitude: 151°11'43.6"E
GS Map: -	MGA Zone: 56		Coordinate Source: Unknown

Remarks

22/07/2014: Nat Carling, 22-July-2014; Added status, drill method & drilled depth.

*** End of GW112405 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW112960

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): MONITORING BORE
Work Type: Bore	
Work Status: Equipped	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 5.50 m
Completion Date: 17/11/2008	Drilled Depth: 5.50 m
Contractor Name: Macquarie Drilling	
Driller: Unkown Unknown	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 1//1179146
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244874.000		Latitude: 33°55'23.9"S
Elevation Source: Unknown	Easting: 332785.000		Longitude: 151°11'27.7"E
GS Map: -	MGA Zone: 56		Coordinate Source: Unknown

Remarks

23/07/2014: Nat Carling, 23-July-2014; Added status, drill method & depth, updated work type.

*** End of GW112960 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW112961

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): MONITORING BORE
Work Type: Bore	
Work Status: Equipped	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 5.00 m
Completion Date: 17/11/2008	Drilled Depth: 5.00 m
Contractor Name: Macquarie Drilling	
Driller: Unkown Unknown	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 1//1179146
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244877.000		Latitude: 33°55'23.8"S
Elevation Source: Unknown	Easting: 332798.000		Longitude: 151°11'28.2"E
GS Map: -	MGA Zone: 56		Coordinate Source: Unknown

Remarks

23/07/2014: Nat Carling, 23-July-2014; Added status, drill method & depth, updated work type.

*** End of GW112961 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW112962

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): MONITORING BORE
Work Type: Bore	
Work Status: Equipped	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 5.00 m
Completion Date: 17/11/2008	Drilled Depth: 5.00 m
Contractor Name: Macquarie Drilling	
Driller: Unkown Unknown	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 1//1179146
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244883.000		Latitude: 33°55'23.6"S
Elevation Source: Unknown	Easting: 332801.000		Longitude: 151°11'28.3"E
GS Map: -	MGA Zone: 56		Coordinate Source: Unknown

Remarks

23/07/2014: Nat Carling, 23-July-2014; Added status, drill method & depth, updated work type.

*** End of GW112962 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW113311

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): MONITORING BORE
Work Type: Bore	
Work Status: Equipped	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 4.00 m
Completion Date: 01/01/2002	Drilled Depth: 4.00 m
Contractor Name: Macquarie Drilling	
Driller: Unkown Unknown	
Assistant Driller:	
Property:	Standing Water Level 1.780 (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre 4//14834
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244837.000		Latitude: 33°55'25.4"S
Elevation Source: Unknown	Easting: 333207.000		Longitude: 151°11'44.1"E
GS Map: -	MGA Zone: 56		Coordinate Source: Unknown

Remarks

30/07/2014: Nat Carling, 30-July-2014; Added status, drill method & depth & updated work type.

*** End of GW113311 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW024244

Licence: 10WA112967

Licence Status: CURRENT

Authorised Purpose(s): DOMESTIC

Intended Purpose(s): GENERAL USE

Work Type: Spear

Work Status:

Construct.Method: Pre-drilled

Owner Type: Private

Commenced Date:

Completion Date: 01/11/1965

Final Depth: 3.00 m

Drilled Depth: 3.00 m

Contractor Name: (None)

Driller:

Assistant Driller:

Property: N/A NSW

Standing Water Level (m):

Salinity Description: Fair

Yield (L/s):

GWMA: 018 - BOTANY BAY SAND BEDS

GW Zone: -

Site Details

Site Chosen By:

County

Parish

Cadastre

Form A: CUMBERLAND

Botany

99999

Licensed: CUMBERLAND

Botany

Whole Lot //

Region: 10 - Sydney South Coast

CMA Map: 9130-3S

River Basin: 213 - SYDNEY COAST - GEORGES RIVER

Grid Zone:

Scale:

Area/District:

Elevation: 0.00 m (A.H.D.)

Northing: 6244783.000

Latitude: 33°55'27.3"S

Elevation Source: (Unknown)

Easting: 333569.000

Longitude: 151°11'58.2"E

GS Map: -

MGA Zone: 56

Coordinate Source: GD.,PR. MAP

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1	1	Casing	Corrugated Galvan	0.00	2.40	31			Driven into Hole
1	1	Opening	Perforations,Screen - Gauze/Me	2.40	3.00	31		1	Mechanically Slotted, A: 15.87mm
1	1	Opening	Perforations,Screen - Gauze/Me	2.40	3.00	31		2	Copper Alloy, A: 0.17mm

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
1.50	1.50	0.00	Unconsolidated	1.50		0.35			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.52	1.52	Soil	Soil	
1.52	3.04	1.52	Water Supply	(Unknown)	

WaterNSW

Work Summary

GW024374

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): GENERAL USE
Work Type: Spear	
Work Status: Supply Obtained	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 5.10 m
Completion Date: 01/12/1965	Drilled Depth: 5.20 m
Contractor Name: (None)	
Driller:	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description: Poor
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish ALEXANDRI	Cadastre LT60 DP16027
Region: 10 - Sydney South Coast	CMA Map: 9130-3S		
River Basin: 212 - HAWKESBURY RIVER Area/District:	Grid Zone:	Scale:	
Elevation: 0.00 m (A.H.D.) Elevation Source: (Unknown)	Northing: 6245175.000 Easting: 333100.000	Latitude: 33°55'14.3"S Longitude: 151°11'40.2"E	
GS Map: -	MGA Zone: 56	Coordinate Source: GD.,PR. MAP	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel
Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1	1	Casing		0.00	0.00				

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
5.10	5.10	0.00	Unconsolidated	4.50		0.63			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	5.18	5.18	Sand Water Supply	Sand	

Remarks

19/02/1975: SITED BIRMINGHAM ST ALEXANDRIA

WaterNSW

Work Summary

GW027749

Licence:	Licence Status:
Authorised Purpose(s):	
Intended Purpose(s): RECREATION (GROU	
Work Type: Bore	
Work Status:	
Construct.Method: Cable Tool	
Owner Type: Local Govt	
Commenced Date:	Final Depth: 16.40 m
Completion Date: 01/12/1965	Drilled Depth: 16.50 m
Contractor Name: (None)	
Driller:	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
County	Parish	Cadastre	
Form A: CUMBERLAND	BOTANY	136	
Licensed:			
Region: 10 - Sydney South Coast	CMA Map: 9130-3S		
River Basin: 213 - SYDNEY COAST - GEORGES RIVER	Grid Zone:	Scale:	
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244553.000	Latitude: 33°55'34.3"S	
Elevation Source: (Unknown)	Easting: 332802.000	Longitude: 151°11'28.2"E	
GS Map: -	MGA Zone: 56	Coordinate Source: GD.,ACC.MAP	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Annulus	(Unknown)	0.00	0.00				
1	1	Opening	Screen	-100.00	6.00	203		1	Stainless Steel, A: 0.50mm
1	1	Casing		0.00	10.60	203			

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
8.20	10.90	2.70	Unconsolidated						
13.70	16.10	2.40	Unconsolidated	1.80					

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	2.43	2.43	Sand	Sand	
2.43	5.18	2.75	Sand Peaty	Sand	
5.18	5.79	0.61	Peat Sandy	Peat	

5.79	8.22	2.43	Sand Very Dirty Peaty	Sand	
8.22	10.97	2.75	Peat Small	Peat	
10.97	16.15	5.18	Sand White Water Supply	Sand	
16.15	16.45	0.30	Clay White Puggy	Clay	
8.22	10.97	2.75	Clay	Clay	

Remarks

07/08/1974: SITED MASCOT OVAL

*** End of GW027749 ***

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WaterNSW

Work Summary

GW027750

Licence:

Licence Status:

Authorised Purpose(s):

Intended Purpose(s): RECREATION (GROUNDWATER)

Work Type: Bore

Work Status: Supply Obtained

Construct.Method: Cable Tool

Owner Type: Local Govt

Commenced Date:

Completion Date: 01/12/1965

Final Depth: 17.30 m

Drilled Depth: 17.40 m

Contractor Name: (None)

Driller:

Assistant Driller:

Property:

Standing Water Level (m):

Salinity Description:

Yield (L/s):

GWMA:

GW Zone:

Site Details

Site Chosen By:

County

Parish

Cadastre

Form A: CUMBERLAND

Botany

136

Licensed:

Region: 10 - Sydney South Coast

CMA Map: 9130-3S

River Basin: 213 - SYDNEY COAST - GEORGES RIVER

Grid Zone:

Scale:

Area/District:

Elevation: 0.00 m (A.H.D.)

Northing: 6244676.000

Latitude: 33°55'30.3"S

Elevation Source: (Unknown)

Easting: 332774.000

Longitude: 151°11'27.2"E

GS Map: -

MGA Zone: 56

Coordinate Source: GD.,ACC.MAP

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Annulus	(Unknown)	0.00	0.00				
1	1	Casing		0.00	11.50	203			
1	1	Opening	Screen	11.20	17.20	203		1	Stainless Steel, A: 0.50mm

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
4.50	4.50	0.00	Unconsolidated						
11.20	17.20	6.00	Unconsolidated						

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	4.57	4.57	Sand Dry	Sand	
4.57	10.97	6.40	Sand Water Supply	Sand	
10.97	11.28	0.31	Clay Sandy Pete	Clay	

11.28	12.80	1.52	Sand Grey Slightly Peaty Water Supply	Sand	
12.80	14.63	1.83	Sand Very Dirty Pete Water Supply	Sand	
14.63	15.84	1.21	Sand Peaty Water Supply	Sand	
15.84	17.37	1.53	Sand Grey Clay Pete Water Supply	Sand	
17.37	17.38	0.01	Clay Sandy	Clay	

Remarks

07/08/1974: SITED MASCOT OVAL

*** End of GW027750 ***

Warning To Clients: This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW047123

Licence:

Licence Status:

Authorised Purpose(s):

Intended Purpose(s): RECREATION (GROUNDWATER)

Work Type: Bore

Work Status: Supply Obtained

Construct.Method:

Owner Type: Local Govt

Commenced Date:

Completion Date: 01/07/1973

Final Depth: 18.90 m

Drilled Depth: 18.90 m

Contractor Name: (None)

Driller:

Assistant Driller:

Property:

Standing Water Level (m):

Salinity Description:

Yield (L/s):

GWMA:

GW Zone:

Site Details

Site Chosen By:

County

Parish

Cadastre

Form A: CUMBERLAND

Botany

1/72528

Licensed:

Region: 10 - Sydney South Coast

CMA Map: 9130-3S

River Basin: 213 - SYDNEY COAST - GEORGES RIVER

Grid Zone:

Scale:

Area/District:

Elevation: 0.00 m (A.H.D.)

Northing: 6244560.000

Latitude: 33°55'34.3"S

Elevation Source: Unknown

Easting: 333143.000

Longitude: 151°11'41.4"E

GS Map: -

MGA Zone: 56

Coordinate Source: GD.,ACC.MAP

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Annulus	(Unknown)	0.00	0.00				
1	1	Opening	Screen	-100.00	3.70	203		1	Stainless Steel, A: 0.51mm
1	1	Casing	Threaded Steel	0.00	15.50	203			

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
1.50	10.00	8.50	Unconsolidated						
10.70	15.00	4.30	Unconsolidated						
15.20	18.20	3.00	Unconsolidated						

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.52	1.52	Soil Black Sandy	Soil	
1.52	10.06	8.54	Sand Peat Water Supply	Sand	

10.06	10.67	0.61	Peat Sand	Sand	
10.67	14.94	4.27	Sand Some Peat Water Supply, Traces Clay	Sand	
14.94	15.24	0.30	Peat Sand	Sand	
15.24	18.29	3.05	Sand Some Peat Water Supply	Sand	
18.29	18.90	0.61	Peat Sand	Sand	
18.90	18.91	0.01	Clay Grey	Clay	

Remarks

09/12/1978: MEMORIAL PARK MASCOT.
20/11/2012: Nat Carling, 20-Nov-2012; Removed duplicate row from driller's log.

*** End of GW047123 ***

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WaterNSW

Work Summary

GW047525

Licence:

Licence Status:

Authorised Purpose(s):

Intended Purpose(s): RECREATION (GROUNDWATER)

Work Type: Bore

Work Status:

Construct.Method: Cable Tool

Owner Type: Local Govt

Commenced Date:

Completion Date: 01/05/1975

Final Depth: 17.10 m

Drilled Depth: 19.40 m

Contractor Name: (None)

Driller: Roy Max Barrett

Assistant Driller:

Property:

GWMA:

GW Zone:

Standing Water Level (m):

Salinity Description:

Yield (L/s):

Site Details

Site Chosen By:

County

Parish

Cadastre

Form A: CUMBERLAND

Botany

PTB 432273

Licensed:

Region: 10 - Sydney South Coast

CMA Map: 9130-3S

River Basin: 213 - SYDNEY COAST - GEORGES RIVER

Grid Zone:

Scale:

Area/District:

Elevation: 0.00 m (A.H.D.)

Northing: 6244859.000

Latitude: 33°55'24.7"S

Elevation Source: (Unknown)

Easting: 333343.000

Longitude: 151°11'49.4"E

GS Map: -

MGA Zone: 56

Coordinate Source: GD.,ACC.MAP

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Annulus	(Unknown)	11.00	17.10				
1		Backfill		17.10	19.40				
1	1	Casing	Welded Steel	0.00	14.00	203			Seated
1	1	Opening	Screen	14.00	17.00	203		1	Stainless Steel, A: 0.76mm

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
3.00	17.00	14.00	Unconsolidated	3.00		6.32			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.61	0.61	Peat Sandy	Peat	
0.61	1.52	0.91	Sand Peaty	Sand	
1.52	4.27	2.75	Sand Dirty Water Supply	Sand	

4.27	6.25	1.98	Sand Indurated Water Supply	Sand	
6.25	12.65	6.40	Sand Dirty Water Supply	Sand	
12.65	12.95	0.30	Clay Soft Sandy Water Supply	Clay	
12.95	13.87	0.92	Sand Grey Some Clay Water Supply	Sand	
13.87	17.07	3.20	Sand Grey Dirty Water Supply Wood Decomposed	Sand	
17.07	19.20	2.13	Clay Grey Peaty Sandy	Clay	
19.20	19.35	0.15	Sandstone	Sandstone	

Remarks

10/03/1981: LEVER STREET RESERVE MASCOT

*** End of GW047525 ***

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WaterNSW

Work Summary

GW072901

Licence:

Licence Status:

Authorised Purpose(s):

Intended Purpose(s): DOMESTIC

Work Type: Bore

Work Status:

Construct.Method: Hand Dug

Owner Type: Private

Commenced Date:

Completion Date: 15/11/1994

Final Depth: 7.00 m

Drilled Depth: 7.00 m

Contractor Name: (None)

Driller:

Assistant Driller:

Property:

GWMA:

GW Zone:

Standing Water Level (m):

Salinity Description:

Yield (L/s):

Site Details

Site Chosen By:

County

Parish

Cadastre

Form A: CUMBERLAND

Licensed:

BOTANY

L8 DP15118

Region: 10 - Sydney South Coast

CMA Map:

River Basin: 213 - SYDNEY COAST - GEORGES RIVER

Grid Zone:

Scale:

Area/District:

Elevation: 0.00 m (A.H.D.)

Elevation Source: Unknown

Northing: 6244474.000

Easting: 332915.000

Latitude: 33°55'37.0"S

Longitude: 151°11'32.5"E

GS Map: -

MGA Zone: 56

Coordinate Source: GD.,ACC.GIS

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1	1	Casing	Corrugated Galvan	0.00	6.40	32			Seated on Bottom
1	1	Opening	Screen	6.40	7.00	50		1	Stainless Steel, A: 0.30mm

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
4.00	7.00	3.00	Unconsolidated	4.00		0.40			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	7.00	7.00	Peaty Sand Fine To Medium	Sand	

WaterNSW

Work Summary

GW073521

Licence:	Licence Status:
	Authorised Purpose(s): Intended Purpose(s): DOMESTIC
Work Type: Spear	
Work Status:	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 3.00 m
Completion Date: 29/10/1995	Drilled Depth: 3.00 m
Contractor Name: (None)	
Driller:	
Assistant Driller:	
Property:	Standing Water Level (m):
GWMA:	Salinity Description:
GW Zone:	Yield (L/s):

Site Details

Site Chosen By:			
	County Form A: CUMBERLAND Licensed:	Parish BOTANY	Cadastre L1 DP340608
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: 213 - SYDNEY COAST - GEORGES RIVER	Grid Zone:		Scale:
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244389.000	Latitude: 33°55'39.8"S	
Elevation Source: Unknown	Easting: 332994.000	Longitude: 151°11'35.5"E	
GS Map: -	MGA Zone: 56	Coordinate Source: GD.,ACC.GIS	

*** End of GW073521 ***

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WaterNSW

Work Summary

GW075024

Licence:

Licence Status:

Authorised Purpose(s):

Intended Purpose(s): MONITORING BORE

Work Type: Bore

Work Status: Instrumented

Construct.Method: Rotary

Owner Type: NSW Office of Water

Commenced Date:

Completion Date: 16/07/1998

Final Depth: 19.50 m

Drilled Depth: 20.50 m

Contractor Name: MCDERMOTT DRILLING PTY LTD

Driller: Dennis Michael Connell

Assistant Driller:

Property:

Standing Water Level 0.760 (m):

Salinity Description:

Yield (L/s):

GWMA:

GW Zone:

Site Details

Site Chosen By:

County

Parish

Cadastre

Form A: CUMBERLAND

Botany

1/668903

Licensed:

Region: 10 - Sydney South Coast

CMA Map: 9130-3S

River Basin: 213 - SYDNEY COAST - GEORGES RIVER

Grid Zone:

Scale:

Area/District:

Elevation: 8.48 m (A.H.D.)

Northing: 6244670.300

Latitude: 33°55'30.5"S

Elevation Source: Unknown

Easting: 332822.800

Longitude: 151°11'29.1"E

GS Map: -

MGA Zone: 56

Coordinate Source: Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	19.50	120			Unknown
1		Annulus	Bentonite	0.00	1.30	120			
1		Annulus	(Unknown)	1.30	12.00	120			
1		Annulus	(Unknown)	12.00	15.00	120			
1		Annulus	(Unknown)	15.00	19.50	120			
1	1	Casing	Pvc Class 18	0.00	19.50	65			
1	1	Opening	Screen	12.00	15.00	65		0	Casing - Machine Slotted, PVC Class 18

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	4.00	4.00	PEATY SAND,BLACK	Sand	
4.00	9.00	5.00	SAND,FINE COFFEE BROWN	Sand	
9.00	11.00	2.00	PEATY SAND,DARK BROWN	Sand	
11.00	15.50	4.50	SILTY SAND,MED GRAINED,GREY	Sand	
15.50	19.00	3.50	SANDY CLAY,DARK GREY	Sandy Clay	

Remarks

10/03/1999: Groundwater may be contaminated.

Care should be taken when handling equipment and water.

04/03/2004: 1.3m to 12m - sand; 12m to 15m - gravel pack; 15m to 19.5m - sand

03/10/2008: Nat Carling, 1-Oct-2008: Added RL's & cadastre, updated coordinates, based on State Water Survey Database info provided by Jim Salmon.

24/09/2010: BOT08

*** End of GW075024 ***

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW

Work Summary

GW024068

Licence: 10WA112890	Licence Status: CURRENT
Authorised Purpose(s): DOMESTIC Intended Purpose(s): DOMESTIC	
Work Type: Spear	
Work Status:	
Construct.Method:	
Owner Type: Private	
Commenced Date:	Final Depth: 4.20 m
Completion Date: 01/05/1966	Drilled Depth: 4.30 m
Contractor Name: (None)	
Driller:	
Assistant Driller:	
Property: PANDIT 50 Macintosh St MASCOT 2020 NSW	Standing Water Level (m):
GWMA: 018 - BOTANY BAY SAND BEDS	Salinity Description:
GW Zone: -	Yield (L/s):

Site Details

Site Chosen By:			
	County	Parish	Cadastre
Form A:	CUMBERLAND	BOTANY	2 217739
Licensed:	CUMBERLAND	BOTANY	Whole Lot 2//217739
Region: 10 - Sydney South Coast	CMA Map: 9130-3S		
River Basin: 213 - SYDNEY COAST - GEORGES RIVER	Grid Zone:	Scale:	
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6244382.000	Latitude: 33°55'39.9"S	
Elevation Source: (Unknown)	Easting: 332846.000	Longitude: 151°11'29.7"E	
GS Map: -	MGA Zone: 56	Coordinate Source: GD.,PR. MAP	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1	1	Opening	Perforations & Gauze	-100.00	0.00	38		1	
1	1	Casing	Corrugated Galvan	0.00	4.20	38			

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
2.10	2.70	0.60	Unconsolidated	2.10		0.33			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.52	1.52	Loam Light Sandy	Loam	
1.52	2.13	0.61	Loam Dark Brown	Loam	
2.13	2.74	0.61	Loam Sandy Water Supply	Loam	

2.74	3.35	0.61	Loam Dark Brown	Loam	
3.35	4.26	0.91	Sand	Sand	

Remarks

07/08/1974: SITED 50 MACINTOSH ST. MASCOT

*** End of GW024068 ***

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WaterNSW

Work Summary

GW013515

Licence: 10WA112796

Licence Status: CURRENT

Authorised Purpose(s): DOMESTIC

Intended Purpose(s): DOMESTIC

Work Type: Spear

Work Status:

Construct.Method: Pre-drilled

Owner Type: Private

Commenced Date:

Completion Date: 01/01/1958

Final Depth: 8.20 m

Drilled Depth: 8.20 m

Contractor Name: (None)

Driller:

Assistant Driller:

Property: MAHONY 6 Henry Kendall Cres
MASCOT 2020 NSW

Standing Water Level (m):

GWMA: 018 - BOTANY BAY SAND BEDS

Salinity Description:

GW Zone: -

Yield (L/s):

Site Details

Site Chosen By:

County

Form A: CUMBERLAND

Licensed: CUMBERLAND

Parish

BOTANY

BOTANY

Cadastre

29 21810

Whole Lot 29//21810

Region: 10 - Sydney South Coast

CMA Map: 9130-3S

River Basin: 213 - SYDNEY COAST - GEORGES RIVER

Grid Zone:

Scale:

Area/District:

Elevation: 0.00 m (A.H.D.)

Northing: 6244732.000

Latitude: 33°55'28.7"S

Elevation Source: (Unknown)

Easting: 333075.000

Longitude: 151°11'38.9"E

GS Map: -

MGA Zone: 56

Coordinate Source: GD.,PR. MAP

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1	1	Casing		0.00	0.00	38			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	8.22	8.22	Sand	Sand	

Remarks

07/08/1974: SITED 6 HENRY KENDALL CRES 2020

WaterNSW

Work Summary

GW114857

Licence: 10BL605586	Licence Status: ACTIVE
Authorised Purpose(s): MONITORING BORE Intended Purpose(s): MONITORING BORE	
Work Type: Bore	
Work Status: Equipped	
Construct.Method: Auger - Solid	
Owner Type: Private	
Commenced Date:	Final Depth: 6.00 m
Completion Date: 15/05/2014	Drilled Depth: 6.00 m
Contractor Name: Soilcheck	
Driller: Andre Gisby	
Assistant Driller:	
Property: CITYSTAR INTERNATIONAL PTY LTD 593 Gardeners Rd MASCOT 2020 NSW	Standing Water Level (m):
GWMA: -	Salinity Description:
GW Zone: -	Yield (L/s):

Site Details

Site Chosen By:	County	Parish	Cadastre
	Form A: CUMBERLAND	BOTANY	9//11589
	Licensed: CUMBERLAND	BOTANY	Whole Lot 9//11589
Region: 10 - Sydney South Coast	CMA Map:		
River Basin: - Unknown	Grid Zone:	Scale:	
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6245062.000	Latitude: 33°55'17.9"S	
Elevation Source: Unknown	Easting: 332969.000	Longitude: 151°11'35.0"E	
GS Map: -	MGA Zone: 56	Coordinate Source: Unknown	

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	6.00	100			Auger - Solid Flight
1	1	Opening	Slots - Horizontal	0.00	4.00	50		0	Casing - Machine Slotted, PVC Class 18, Screwed

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.21	0.21	CONCRETE	Fill	
0.21	2.20	1.99	FILL CLAYEY SILTY SAND DARK BROWN,TRACE OF SANDSTONE	Fill	
2.20	2.80	0.60	SAND, FINE TO MED. GRAINED	Sand	
2.80	4.20	1.40	CLAYEY SILTY SAND, FINE GRAINED	Sand	
4.20	6.00	1.80	SAND,FINE TO MEDIUM GRAINED YELLOW AND GREY BROWN	Sand	

Remarks

15/05/2014: Form A Remarks:

Coordinates provided by LAS.

Only one bore where charted, only one form A on file.

L.Franchi

15/06/2015: Nat Carling, 15-June-2015; Fixed rock type errors & updated coordinate source.

***** End of GW114857 *****

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APPENDIX C – Bureau of Meteorology Information

Climate statistics for Australian locations

Monthly climate statistics

All years of record

Site information

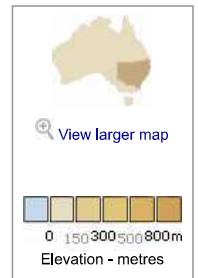
Site name: SYDNEY AIRPORT AMO
Site number: 066037
Latitude: 33.95 °S **Longitude:** 151.17 °E
Elevation: 6 m
Commenced: 1929 **Status:** Open
Latest available data: 09 Mar 2023

Additional information

[Additional site information](#)

Nearest alternative sites

- 066194 CANTERBURY RACECOURSE AWS (7.1km)
- 066009 CENTENNIAL PARK ROUND HOUSE (7.7km)
- 066062 SYDNEY (OBSERVATORY HILL) (9.9km)



View:
☒ Main statistics
 ☐ All

Period: Use all years of data ▼

Text size:
☒ Normal
 ☐ Large

Statistics	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Years
Temperature														
Mean maximum temperature (°C)	26.7	26.5	25.4	23.0	20.2	17.7	17.2	18.5	20.7	22.7	24.2	25.9	22.4	84 1939 2023
Mean minimum temperature (°C)	19.0	19.1	17.7	14.4	11.1	8.8	7.4	8.3	10.6	13.4	15.6	17.6	13.6	84 1939 2023
Rainfall														
Mean rainfall (mm)	94.4	117.9	124.7	106.6	96.4	123.3	71.8	75.5	59.8	72.1	79.7	72.6	1093.4	92 1929 2023
Decile 5 (median) rainfall (mm)	72.4	87.0	94.8	81.0	79.0	100.4	51.6	45.8	47.1	48.0	66.3	62.5	1045.9	93 1929 2023
Mean number of days of rain ≥ 1 mm	8.2	8.7	9.6	8.4	8.3	8.8	6.7	6.7	6.8	7.9	8.2	7.8	96.1	93 1929 2023
Other daily elements														
Mean daily sunshine (hours)	7.5	7.2	6.8	7.0	6.4	5.9	6.7	7.9	7.9	7.9	7.7	7.8	7.2	43 1976 2022
Mean number of clear days	6.8	5.5	7.7	8.8	9.3	9.1	12.0	13.2	11.0	8.2	6.4	6.5	104.5	71 1939 2010
Mean number of cloudy days	13.0	12.2	12.0	10.6	10.8	10.7	8.5	7.7	8.4	11.1	11.9	12.3	129.2	71 1939 2010
9 am conditions														
Mean 9am temperature (°C)	22.4	22.3	21.1	18.2	14.6	11.9	10.8	12.5	15.7	18.4	19.9	21.6	17.4	71 1939 2010
Mean 9am relative humidity (%)	70	73	73	71	73	74	71	65	62	61	64	66	69	60 1939 2010
Mean 9am wind speed (km/h)	14.4	13.8	12.9	12.9	12.6	13.4	13.3	14.4	15.5	16.3	16.0	14.8	14.2	70 1939 2010
3 pm conditions														
Mean 3pm temperature (°C)	24.8	24.8	23.9	21.7	19.0	16.6	16.1	17.2	19.0	20.7	22.1	23.9	20.8	71 1939 2010
Mean 3pm relative humidity (%)	60	63	61	59	58	57	52	49	51	54	56	58	57	60 1939 2010
Mean 3pm wind speed (km/h)	24.1	23.0	21.0	19.3	17.1	17.8	18.2	20.8	23.1	24.6	25.3	25.2	21.6	70 1939 2010

red = highest value blue = lowest value

Product IDCJCM0028 Prepared at Thu 09 Mar 2023 03:56:27 AM EST

Monthly statistics are only included if there are more than 10 years of data. The number of years (provided in the 2nd last column of the table) may differ between elements if the observing program at the site changed. More detailed data for individual sites can be obtained by contacting the Bureau.

Related Links

- This page URL: http://www.bom.gov.au/climate/averages/tables/cw_066037.shtml
- About climate averages: <http://www.bom.gov.au/climate/cdo/about/about-stats.shtml>
- Bureau of Meteorology website: <http://www.bom.gov.au>

APPENDIX D – NSW EPA Records

[Home](#) [Public registers](#) [Contaminated land record of notices](#)

Search results

Your search for:Suburb: MASCOT

Matched 17 notices relating to 3 sites.

[Search Again](#)
[Refine Search](#)

Suburb	Address	Site Name	Notices related to this site
MASCOT	336-348 King STREET	Former Mascot Galvanising	5 current and 2 former
MASCOT	746 Botany ROAD	Former Shell Service Station Mascot	9 former
MASCOT	25-29 Ricketty STREET	Mascot Pioneer Plating	1 current

Page 1 of 1

12 June 2024

For business and industry ^

For local government ^

Contact us

131 555 (tel:131555)

Online (<https://www.epa.nsw.gov.au/about-us/contact-us/feedback>)

info@epa.nsw.gov.au (mailto:info@epa.nsw.gov.au)

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- [Accessibility \(https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index\)](https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index)
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- [Privacy \(https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/privacy\)](https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/privacy)
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Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MARRICKVILLE	Former Dry Cleaners and Loading Dock	Smidmore STREET	Other Industry	Contamination currently regulated under CLM Act	-33.90752498	151.1717761
MARSDEN PARK	226 Grange Avenue	226 Grange AVENUE	Unclassified	Regulation under CLM Act not required	-33.70259609	150.83825
MARSFIELD	Coles Express Service Station Marsfield	189 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.77519246	151.1053691
MARULAN	BP Express Marulan (Northbound)	(Northbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.7188332	149.9949547
MARULAN	BP Service Station	(Southbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.71932066	150.0014827
MARYVILLE	7-Eleven Service Station	184-188 Hannell STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.91336028	151.7579315
MARYVILLE	Former Mobile Terminal Maryville	Portside Business Park ROAD	Other Petroleum	Under preliminary investigation order	-32.911434	151.758752
MASCOT	BP Mascot	1077 Botany ROAD	Service Station	Under assessment	-33.92839	151.19501
MASCOT	Former Zinc Smelter and Paint Manufacturing Facility	163 O'Riordan STREET	Metal Industry	Regulation under CLM Act not required	-33.92526513	151.1892582
MASCOT	Caltex Service Station	125 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.92309169	151.1911539
MASCOT	Mascot Pioneer Plating	25-29 Ricketty STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.92075288	151.1824801
MASCOT	Heritage Business Centre	5-9 Ricketty STREET	Unclassified	Regulation under CLM Act not required	-33.92029202	151.1816656
MASCOT	Telstra Exchange	904-922 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9293166	151.1942777
MASCOT	Former Shell Service Station Mascot	746 Botany ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92352295	151.1955852
MASCOT	Former Freight Distribution Facility (now High-Density Residential / Commercial)	19-33 Kent ROAD	Unclassified	Regulation under CLM Act not required	-33.9227711	151.1854202
MASCOT	Former Mascot Galvanising	336-348 King STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.92902126	151.185874

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MASCOT	Sokol Corporation	50-56 Robey STREET	Other Industry	Regulation under CLM Act not required	-33.93162265	151.1904955
MASCOT	Linear Park	Off O'Riordan STREET	Landfill	Regulation under CLM Act not required	-33.92278693	151.1904751
MASCOT	Aston, Gardeners Rd Mascot	551-559 Gardeners ROAD	Unclassified	Regulation under CLM Act not required	-33.921733	151.195359
MATRAVILLE	Port Botany Bus Depot	7 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96880413	151.2255889
MATRAVILLE	Former Golden Fleece Terminal No2	151 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.95719404	151.2259884
MATRAVILLE	Former Rieco Incinerator	Kain AVENUE	Other Industry	Contamination being managed via the planning process (EP&A Act)	-33.95980534	151.2423679
MATRAVILLE	7-Eleven Service Station Matraville	515 Bunnerong ROAD	Service Station	Contamination currently regulated under CLM Act	-33.95943536	151.2317598
MATRAVILLE	Former Golden Fleece Terminal No1	133 -149 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.95759006	151.2252023
MATRAVILLE	Vacant Lot	3 Wilkes AVENUE	Other Industry	Regulation under CLM Act not required	-33.96006406	151.2431087
MATRAVILLE	Eastern Suburbs Memorial Park	12 Military ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9719906	151.2274386
MATRAVILLE	42-52 Raymond Avenue, Matraville NSW	42-52 Raymond AVENUE	Other Industry	Regulation under CLM Act not required	-33.961817	151.222098
MATRAVILLE	Opal Packaging Botany Mill	1891 Botany ROAD	Other Industry	Under assessment	-33.96438	151.225016
MAYFIELD	7-Eleven (Former Mobil) Service Station	412-416 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.89292005	151.7300948
MAYFIELD	Shell Coles Express Service Station	63-69 Maud STREET	Service Station	Regulation under CLM Act not required	-32.89358962	151.7221298
MAYFIELD	Hunter River Sediments	Bed Sediments of the Hunter adjacent to Lot 221 DP1013964 RIVER	Metal Industry	Contamination formerly regulated under the CLM Act	-32.89203741	151.7646702
MAYFIELD	Australian Tube Mills Newcastle Site	Industrial DRIVE	Metal Industry	Under assessment	-32.88835767	151.7450751

Number	Name	Location	Type	Status	Issued date	LastInspectionDate	InspectionDueDate	ERADueDate	IssueDate	OrganisationFlag	OrganisationType
1621403		NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	29-Sep-22						
1625111		NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	13-Dec-22						
1626123		NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	3-Feb-23						
1628118		NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	13-Apr-23						
1631121		NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	2-Aug-23						
1635062		NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	5-Dec-23						
1635695		NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	9-Jan-24						
1638698		NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	30-Apr-24						
20246	CPE MASCOT PTY LTD	10 Bourke Road, MASCOT, NSW 2020	POEO licence	Issued	10-Apr-13						
1524415	CPE MASCOT PTY LTD	10 Bourke Road, MASCOT, NSW 2020	s.58 Licence Variation	Issued	24-Sep-14						
20728	CPE MASCOT PTY LTD	Shiers Avenue, MASCOT, NSW 2020	POEO licence	Issued	31-Mar-16						
1557353	CPE MASCOT PTY LTD	10 Bourke Road, MASCOT, NSW 2020	s.58 Licence Variation	Issued	26-Oct-17						
1607492	CPE MASCOT PTY LTD	Shiers Avenue, MASCOT, NSW 2020	s.58 Licence Variation	Issued	12-Apr-21						
1603690	DIG-IT CIVIL PTY LTD	296 COWARD STREET, MASCOT, NSW 2020	s.91 Clean Up Notice	Issued	4-Dec-20						
3173530012	DIG-IT CIVIL PTY LTD	296 COWARD STREET, MASCOT, NSW 2020	Penalty Notice	Issued	18-Feb-21						
1605982	DIG-IT CIVIL PTY LTD	296 COWARD STREET, MASCOT, NSW 2020	s.110 Variation of Clean Up Notice	Issued	30-Mar-21						
1610721	DIG-IT CIVIL PTY LTD	296 COWARD STREET, MASCOT, NSW 2020	s.110 Variation of Clean Up Notice	Issued	14-Jul-21						
1614286	DIG-IT CIVIL PTY LTD	296 COWARD STREET, MASCOT, NSW 2020	s.110 Variation of Clean Up Notice	Issued	23-Nov-21						
7473	EATON ELECTRIC SYSTEMS PTY LTD	10 KENT ROAD, MASCOT, NSW 2020	POEO licence	No longer in force	22-Mar-00						
1050829	EATON ELECTRIC SYSTEMS PTY LTD	10 KENT ROAD, MASCOT, NSW 2020	s.58 Licence Variation	Issued	30-Aug-05						
11206	EMILY SULLIVAN	7 CHURCH AVENUE, MASCOT, NSW 2020	POEO licence	Surrendered	23-Aug-00						
1001774	EMILY SULLIVAN	7 CHURCH AVENUE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	21-May-01						
1012287	EMILY SULLIVAN	7 CHURCH AVENUE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	21-Nov-01						
1018224	EMILY SULLIVAN	7 CHURCH AVENUE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	19-Jun-02						
1019127	EMILY SULLIVAN	7 CHURCH AVENUE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	17-Jul-02						
1035394	EMILY SULLIVAN	7 CHURCH AVENUE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	16-Mar-04						
1084702	EMILY SULLIVAN	7 CHURCH AVENUE, MASCOT, NSW 2020	s.80 Surrender of a Licence	Issued	15-Apr-08						
10332	GATE GOURMET AUSTRALIA PTY LTD	KEITH SMITH AVE & SIXTH ST, MASCOT, NSW 2020	POEO licence	Revoked	11-Jan-00						
1018456	GATE GOURMET AUSTRALIA PTY LTD	KEITH SMITH AVE & SIXTH ST, MASCOT, NSW 2020	s.79 Revocation of a Licence	Issued	5-Jul-02						
487	GOODMAN FIELDER CONSUMER FOODS PTY LIMITED	198 Bourke Road, MASCOT, NSW 2020	POEO licence	No longer in force	23-Mar-00						
1024785	GOODMAN FIELDER CONSUMER FOODS PTY LIMITED	198 Bourke Road, MASCOT, NSW 2020	s.58 Licence Variation	Issued	25-Feb-03						
1043816	GOODMAN FIELDER CONSUMER FOODS PTY LIMITED	198 Bourke Road, MASCOT, NSW 2020	s.58 Licence Variation	Issued	19-Jan-05						
1050944	GOODMAN FIELDER CONSUMER FOODS PTY LIMITED	198 Bourke Road, MASCOT, NSW 2020	s.58 Licence Variation	Issued	1-Sep-05						
1052699	GOODMAN FIELDER CONSUMER FOODS PTY LIMITED	198 Bourke Road, MASCOT, NSW 2020	s.58 Licence Variation	Issued	12-Oct-05						
1075564	GOODMAN FIELDER CONSUMER FOODS PTY LIMITED	198 Bourke Road, MASCOT, NSW 2020	s.58 Licence Variation	Issued	12-Sep-07						
11844	HY-TEC INDUSTRIES PTY LTD	296 COWARD STREET, MASCOT, NSW 2020	POEO licence	No longer in force	17-Feb-03						

6728	INDUSTRIAL GALVANIZERS CORPORATION PTY LTD	342 KING STREET, MASCOT, NSW 2020	POEO licence	Surrendered	30-Aug-00						
1004576	INDUSTRIAL GALVANIZERS CORPORATION PTY LTD	342 KING STREET, MASCOT, NSW 2020	s.80 Surrender of a Licence	Issued	19-Mar-01						
20851	JOHN HOLLAND PTY LTD	Port Botany Freight Rail Corridor at General Holmes Dr, MASCOT, NSW 2020	POEO licence	Surrendered	3-Nov-16						
1549698	JOHN HOLLAND PTY LTD	Port Botany Freight Rail Corridor at General Holmes Dr, MASCOT, NSW 2020	s.58 Licence Variation	Issued	23-Feb-17						
1550459	JOHN HOLLAND PTY LTD	Port Botany Freight Rail Corridor at General Holmes Dr, MASCOT, NSW 2020	s.58 Licence Variation	Issued	21-Mar-17						
1550609	JOHN HOLLAND PTY LTD	Port Botany Freight Rail Corridor at General Holmes Dr, MASCOT, NSW 2020	s.58 Licence Variation	Issued	30-Mar-17						
1586698	JOHN HOLLAND PTY LTD	Port Botany Freight Rail Corridor at General Holmes Dr, MASCOT, NSW 2020	s.80 Surrender of a Licence	Issued	24-Oct-19						
21678	JOHN HOLLAND PTY LTD	NOT APPLICABLE, MASCOT, NSW 2020	POEO licence	Issued	6-May-22						
1623677	JOHN HOLLAND PTY LTD	NOT APPLICABLE, MASCOT, NSW 2020	s.58 Licence Variation	Issued	17-Oct-22						
7245	PLATING 'R US PTY LTD	25-29 RICKETTY STREET, MASCOT, NSW 2020	POEO licence	Surrendered	26-Jun-00						
1015320	PLATING 'R US PTY LTD	25-29 RICKETTY STREET, MASCOT, NSW 2020	s.80 Surrender of a Licence	Issued	27-Feb-02						
4729	Q CATERING RIVERSIDE PTY LIMITED	300 COWARD STREET, MASCOT, NSW 2020	POEO licence	Surrendered	22-Dec-00						
1027274	Q CATERING RIVERSIDE PTY LIMITED	300 COWARD STREET, MASCOT, NSW 2020	s.58 Licence Variation	Issued	25-Jul-03						
1058747	Q CATERING RIVERSIDE PTY LIMITED	300 COWARD STREET, MASCOT, NSW 2020	s.58 Licence Variation	Issued	3-May-06						
1096746	Q CATERING RIVERSIDE PTY LIMITED	300 COWARD STREET, MASCOT, NSW 2020	s.58 Licence Variation	Issued	27-Mar-09						
1127187	Q CATERING RIVERSIDE PTY LIMITED	300 COWARD STREET, MASCOT, NSW 2020	s.80 Surrender of a Licence	Issued	12-Apr-11						
12152	QANTAS AIRWAYS LIMITED	Sydney Airport , MASCOT, NSW 2020	POEO licence	No longer in force	8-Sep-04						
1055108	QANTAS AIRWAYS LIMITED	Sydney Airport , MASCOT, NSW 2020	s.58 Licence Variation	Issued	3-Feb-06						
1082533	QANTAS AIRWAYS LIMITED	Sydney Airport , MASCOT, NSW 2020	s.58 Licence Variation	Issued	3-Feb-08						
12590	QANTAS FLIGHT CATERING LIMITED	Qantas Jet Base (Kingsford Smith), MASCOT, NSW 2020	POEO licence	No longer in force	11-Sep-07						
2009	SIMS GROUP AUSTRALIA HOLDINGS LIMITED	283 COWARD STREET, MASCOT, NSW 2020	POEO licence	Surrendered	2-Feb-00						
1006362	SIMS GROUP AUSTRALIA HOLDINGS LIMITED	283 COWARD STREET, MASCOT, NSW 2020	s.58 Licence Variation	Issued	26-Jun-01						
1018951	SIMS GROUP AUSTRALIA HOLDINGS LIMITED	283 COWARD STREET, MASCOT, NSW 2020	s.58 Licence Variation	Issued	13-Aug-02						
1036331	SIMS GROUP AUSTRALIA HOLDINGS LIMITED	283 COWARD STREET, MASCOT, NSW 2020	s.80 Surrender of a Licence	Issued	7-May-04						
7288	SYDNEY AIRPORT CORPORATION LIMITED	241 O'RIODAN STREET, MASCOT, NSW 1460	POEO licence	No longer in force	14-Apr-00						
1035884	SYDNEY AIRPORT CORPORATION LIMITED	241 O'RIODAN STREET, MASCOT, NSW 1460	s.58 Licence Variation	Issued	14-May-04						
1044274	SYDNEY AIRPORT CORPORATION LIMITED	241 O'RIODAN STREET, MASCOT, NSW 1460	s.58 Licence Variation	Issued	9-Feb-05						

APPENDIX E – Council Records

22 February 2023

Our Ref: Certificate No. 71143
Contact: Customer Service 1300 581 299

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Dear Sir/Madam

Following is your planning certificate issued under section 10.7 (2) and (5) of the Environmental Planning and Assessment Act 1979.

This Section 10.7 Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from Council's records as they existed at the date of this Certificate.

Should you have any enquiries, please contact the Council's Customer Service Centre on 1300 581 299.

SECTION 10.7 PLANNING CERTIFICATE

(under section 10.7 of the Environmental Planning and Assessment Act 1979)

ISSUED TO:

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Council: Bayside
County: Cumberland
Parish: St George

Fee: 156.00
Receipt No: 5221729
Receipt Date: 22 February 2023
Your Ref: JOB#16364:72545

PROPERTY: 35 HENRY KENDALL CRESCENT, MASCOT NSW 2020

Lot B DP 36472

FI

Assessment No: 90697

Date: 22 February 2023



For
Meredith Wallace
General Manager

Rockdale Customer Service Centre
444-446 Princes Highway
Rockdale NSW 2216, Australia
ABN 80 690 785 443

Eastgardens Customer Service Centre
Westfield Eastgardens
152 Bunnerong Road
Eastgardens NSW 2036, Australia
ABN 80 690 785 443

T 1300 581 299 | 02 9562 1666
E council@bayside.nsw.gov.au
W www.bayside.nsw.gov.au

Postal address: PO Box 21, Rockdale NSW 2216



Telephone Interpreter Services - 131 450

Τηλεφωνικές Υπηρεσίες Διερμηνείας

بخدمه الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон

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Notes: (1) Where this certificate refers to a specific allotment (or allotments) within a strata plan the certificate is issued for the whole of the land within the strata plan, not just the specific allotment or allotments referred to, and any information contained in the certificate may relate to the whole or any part of the strata plan.

1 Names of relevant planning instruments and development control plans

(1) The name of each environmental planning instrument and development control plan that applies to the carrying out of development on the land.

Bayside Local Environmental Plan 2021

State Environmental Planning Policy No 65	Design Quality of Residential Apartment Development
State Environmental Planning Policy	(Building Sustainability Index: BASIX) 2004
State Environmental Planning Policy	(Exempt and Complying Development Codes) 2008
State Environmental Planning Policy	(Housing) 2021
State Environmental Planning Policy	(Biodiversity and Conservation) 2021
State Environmental Planning Policy	(Resilience and Hazards) 2021
State Environmental Planning Policy	(Transport and Infrastructure) 2021
State Environmental Planning Policy	(Industry and Employment) 2021
State Environmental Planning Policy	(Resources and Energy) 2021
State Environmental Planning Policy	(Precincts – Eastern Harbour City) 2021
State Environmental Planning Policy	(Planning Systems) 2021

Botany Bay Development Control Plan 2013

(2) The name of each proposed environmental planning instrument and draft development control plan, which is or has been subject to community consultation or public exhibition under the Act, that will apply to the carrying out of development on the land.

State Environmental Planning Policy	(Housing) 2021 (Explanation of Intended Effect)
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Draft Bayside Development Control Plan 2022

The public exhibition of the draft Bayside Development Control Plan 2022 (DCP) occurred over 28 days, from 7 September to 5 October 2022.

The draft DCP applies to land across the Bayside Local Government Area (LGA) and is informed by the Bayside Local Environmental Plan 2021.

At a meeting on 23 November 2022, Council considered feedback and recommendations tabled in post-exhibition report. Council resolved to amend the DCP to include all changes recommend in the report and make specific amendment to the car parking rates and provisions under Chapter 3.5 Transport, Parking and Access.

Council also resolved to re-exhibit the amended draft DCP for six weeks from 12 December 2022 to 30 January 2023. All feedback received will be reviewed and considered by Bayside Council following completion of this exhibition period.

The draft Bayside DCP can be viewed on the Bayside Council website here:
<https://haveyoursay.bayside.nsw.gov.au/draft-bayside-development-control-plan-2022-exhibition>.

Employment zones reform

On 14 December 2022, the Department of Planning and Environment finalised amendments to *Bayside Local Environmental Plan 2021*, to replace existing Business and Industrial zones with new Employment zones and to introduce certain new Additional Permitted Uses.

The published amending instrument, *State Environmental Planning Policy Amendment (Land Use Zones) (No 3) 2022*, is available to view on the NSW Legislation website at: <https://legislation.nsw.gov.au/view/pdf/asmade/epi-2022-829>

The amendments to *Bayside Local Environmental Plan 2021* contained in this instrument will commence on 26 April 2023.

For more information on these amendments, please contact Bayside Council's Strategic Planning team via email at PlanningCertificates@bayside.nsw.gov.au.

- (3) **Subsection (2) does not apply in relation to a proposed environmental planning instrument or draft development control plan if—**
- a) **it has been more than 3 years since the end of the public exhibition period for the proposed instrument or draft plan, or**
 - b) **for a proposed environmental planning instrument—the Planning Secretary has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved.**
- (4) **In this section—**
***proposed environmental planning instrument* means a draft environmental planning instrument and includes a planning proposal for a local environmental plan.**

2 Zoning and land use under relevant planning instruments

The following matters for each environmental planning instrument or draft environmental planning instrument that includes the land in a zone, however described—

- (a) **the identity of the zone, whether by reference to—**
 - (i) **a name, such as “Residential Zone” or “Heritage Area”, or**
 - (ii) **a number, such as “Zone No 2 (a)”,**
- (b) **the purposes for which development in the zone—**
 - (i) **may be carried out without development consent, and**
 - (ii) **may not be carried out except with development consent, and**
 - (iii) **is prohibited,**

The following zone or zones apply under the environmental planning instrument or draft environmental planning instrument referred to in section 1(1):

Zone B2 Local Centre

1 Objectives of zone

- To provide a range of retail, business, entertainment and community uses that serve the needs of people who live in, work in and visit the local area.
- To encourage employment opportunities in accessible locations.
- To maximise public transport patronage and encourage walking and cycling.
- To create lively town centres with pedestrian focused public domain activated by adjacent building uses and landscape elements.
- To accommodate population growth in the Rockdale town centre through high density residential uses that complement retail, commercial and cultural premises in the town centre.

2 Permitted without consent

Home-based child care; Home businesses; Home occupations

3 Permitted with consent

Boarding houses; Centre-based child care facilities; Commercial premises; Community facilities; Educational establishments; Entertainment facilities; Function centres; Group homes; Home industries; Hostels; Information and education facilities; Medical centres; Oyster aquaculture; Passenger transport facilities; Recreation facilities (indoor); Registered clubs; Respite day care centres; Restricted premises; Roads; Service stations; Shop top housing; Tank-based aquaculture; Tourist and visitor accommodation; Waste or resource transfer facilities; Any other development not specified in item 2 or 4

4 Prohibited

Advertising structures; Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Dwelling houses; Eco-tourist facilities; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Open cut mining; Pond-based aquaculture; Port facilities; Recreation facilities (major); Residential accommodation; Rural industries; Sewage treatment plants; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Waste or resource management facilities; Water recreation structures; Wharf or boating facilities; Wholesale supplies

(c) whether additional permitted uses apply to the land,

No additional permitted uses apply to the land.

- (d) **whether development standards applying to the land fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the fixed minimum land dimensions,**

No development standards apply to the land that fixes minimum land dimensions for the erection of a dwelling house.

Note: The above information does not imply that the erection of a dwelling-house is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

- (e) **whether the land is in an area of outstanding biodiversity value under the *Biodiversity Conservation Act 2016*,**

The land **is not** an area of outstanding biodiversity value.

- (f) **whether the land is in a conservation area, however described,**

The land **is not** in a conservation area.

- (g) **whether an item of environmental heritage, however described, is located on the land.**

There is **no such item** situated on the land.

3 Contributions plans

- (1) **The name of each contributions plan under the Act, Division 7.1 applying to the land, including draft contributions plans.**

City of Botany Section 7.11 Development Contributions Plan 2016
City of Botany Bay Section 94A Development Contributions Plan 2016

Note: For a copy of the plans please access Bayside Council's website at www.bayside.nsw.gov.au.

Note: If land is within the former Rockdale City Local Government Area, the *Rockdale Section 94 Contributions Plan (Amendment No 4)* and *Rockdale Section 94 Contributions Plan 1998* will continue to apply to all Development Applications and applications for Complying Development Certificates made prior to 1 June 2004.

- (2) **If the land is in a special contributions area under the Act, Division 7.1, the name of the area.**

A Special Infrastructure Contributions Plan **does not apply** to the land.

4 Complying development

- (1) **If the land is land on which complying development may be carried out under each of the complying development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.17A(1)(c)–(e), (2), (3) or (4), 1.18(1)(c3) or 1.19.**

- (2) If complying development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.
- (4) If the complying development codes are varied, under that Policy, clause 1.12, in relation to the land.

Housing Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Inland Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Low Rise Housing Diversity Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Rural Housing Code

Complying development **may be** carried out on the land under the above code.

Greenfield Housing Code

Complying development **may be** carried out on the land under the above code.

Industrial and Business Buildings Code

Complying development **may be** carried out on the land under the above code.

Housing Alterations Code

Complying development **may be** carried out on the land under the above code.

General Development Code

Complying development **may be** carried out on the land under the above code.

Industrial and Building Alterations Code

Complying development **may be** carried out on the land under the above code.

Container Recycling Facilities Code

Complying development **may be** carried out on the land under the above code.

Subdivisions Code

Complying development **may be** carried out on the land under the above code.

Demolition Code

Complying development **may be** carried out on the land under the above code.

Fire Safety Code

Complying development **may be** carried out on the land under the above code.

Notes:

(1) If a reference is made to "part of the land", Complying Development **may be** carried out on the portion of the land not subject to such a restriction.

(2) This certificate only addresses matters raised in Clause 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 you comply with any other general requirements of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

5 Exempt development

- (1) If the land is land on which exempt development may be carried out under each of the exempt development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.16(1)(b1)–(d) or 1.16A.
- (2) If exempt development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land.
- (4) If the exempt development codes are varied, under that Policy, clause 1.12, in relation to the land.

General Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

Advertising and Signage Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a

ground water exclusion zone.

Temporary Uses and Structures Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

6 Affected building notices and building product rectification orders

(1) Whether the council is aware that—

- a) an affected building notice is in force in relation to the land, or
- b) a building product rectification order is in force in relation to the land that has not been fully complied with, or
- c) a notice of intention to make a building product rectification order given in relation to the land is outstanding.

(2) In this section—

affected building notice has the same meaning as in the *Building Products (Safety) Act 2017*, Part 4.

building product rectification order has the same meaning as in the *Building Products (Safety) Act 2017*.

Council is **not aware of an issue** of a notice of intention or order pertaining to building product rectification works (*Building Products Safety Act 2017*).

7 Land reserved for acquisition

Whether an environmental planning instrument or proposed environmental planning instrument referred to in section 1 makes provision in relation to the acquisition of the land by an authority of the State, as referred to in the Act, section 3.15.

The land is **not affected** by any provision in an environmental planning instrument, deemed environmental planning instrument or draft environmental planning instrument that provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

8 Road widening and road realignment

Whether the land is affected by any road widening or road realignment under—

(a) the *Roads Act 1993*, Part 3, Division 2, or

The land is **not affected by** any road widening or road realignment under Division 2 of Part 3 of the *Roads Act 1993*.

(b) an environmental planning instrument, or

The land is **not affected by** any road widening or road realignment under any environmental planning instrument.

(c) a resolution of the council.

The land **is not affected by** any road widening or road realignment under any resolution of the Council.

9 Flood related development controls

- (1) **If the land or part of the land is within the flood planning area and subject to flood related development controls.**

The land or part of the land **is not** within the flood planning area and subject to flood related development controls.

- (2) **If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls.**

Yes – *Bayside Local Environmental Plan 2021* applies to the land.

Yes – *Botany Bay Development Control Plan 2013* applies to the land.

Note: (1) Further information relating to flooding is provided in the "Advice under Section 10.7 (5)" attached.

Note:

(1) The answers above do not imply that the development referred to is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

(2) Council is not in a position to identify whether the information provided under section 9 relates to a current or future hazard as defined in Planning Circular PS 14-003.

- (3) **In this section—
flood planning area has the same meaning as in the Floodplain Development Manual.**

***Floodplain Development Manual* means the *Floodplain Development Manual* (ISBN 0 7347 5476 0) published by the NSW Government in April 2005.**

***probable maximum flood* has the same meaning as in the Floodplain Development Manual.**

10 Council and other public authority policies on hazard risk restrictions

- (1) **Whether any of the land is affected by an adopted policy that restricts the development of the land because of the likelihood of land slip, bush fire, tidal inundation, subsidence, acid sulfate soils, contamination, aircraft noise, salinity, coastal hazards, sea level rise or another risk, other than flooding.**

- (2) **In this section—**

***adopted policy* means a policy adopted—**

(a) by the council, or

(b) by another public authority, if the public authority has notified the council that the policy will be included in a planning certificate issued by the council.

Clause 6.1 of the Bayside Local Environmental Plan 2021 - Acid Sulfate Soils

Botany Bay Development Control Plan 2013 - provisions of Part 3K - Contamination

11 Bush fire prone land

- (1) If any of the land is bush fire prone land, designated by the Commissioner of the NSW Rural Fire Service under the Act, section 10.3, a statement that all or some of the land is bush fire prone land.
- (2) If none of the land is bush fire prone land, a statement to that effect.

The land **is not** bush fire prone land.

12 Loose-fill asbestos insulation

If the land includes residential premises, within the meaning of the *Home Building Act 1989*, Part 8, Division 1A, that are listed on the Register kept under that Division, a statement to that effect.

The land **is not** so listed.

13 Mine subsidence

Whether the land is declared to be a mine subsidence district within the meaning of the *Coal Mine Subsidence Compensation Act 2017*.

The land **is not** so proclaimed.

14 Paper subdivision information

- (1) The name of a development plan adopted by a relevant authority that—
 - (a) applies to the land, or
 - (b) is proposed to be subject to a ballot.
- (2) The date of a subdivision order that applies to the land.
- (3) Words and expressions used in this section have the same meaning as in this Regulation, Part 10 and the Act, Schedule 7.

The land **is not** so affected.

15 Property vegetation plans

If the land is land in relation to which a property vegetation plan is approved and in force under the *Native Vegetation Act 2003*, Part 4, a statement to that effect, but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act.

The land **is not** land to which a property vegetation plan applies.

16 Biodiversity stewardship sites

If the land is a biodiversity stewardship site under a biodiversity stewardship

agreement under the *Biodiversity Conservation Act 2016*, Part 5, a statement to that effect, but only if the council has been notified of the existence of the agreement by the Biodiversity Conservation Trust.

Note— *Biodiversity stewardship agreements include biobanking agreements under the Threatened Species Conservation Act 1995, Part 7A that are taken to be biodiversity stewardship agreements under the Biodiversity Conservation Act 2016, Part 5.*

The land **is not** subject to any such agreement.

17 Biodiversity certified land

If the land is biodiversity certified land under the *Biodiversity Conservation Act 2016*, Part 8, a statement to that effect.

Note— *Biodiversity certified land includes land certified under the Threatened Species Conservation Act 1995, Part 7AA that is taken to be certified under the Biodiversity Conservation Act 2016, Part 8.*

The land **is not** biodiversity certified land.

18 Orders under *Trees (Disputes Between Neighbours) Act 2006*

Whether an order has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land, but only if the council has been notified of the order.

The land **is not** subject to such an order.

19 Annual charges under *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works

(1) If the *Coastal Management Act 2016* applies to the council, whether the owner, or a previous owner, of the land has given written consent to the land being subject to annual charges under the *Local Government Act 1993*, section 496B, for coastal protection services that relate to existing coastal protection works.

(2) In this section—
existing coastal protection works has the same meaning as in the *Local Government Act 1993*, section 553B.

Note— Existing coastal protection works are works to reduce the impact of coastal hazards on land, such as seawalls, revetments, groynes and beach nourishment, that existed before 1 January 2011.

The land **is not** subject to annual charges.

20 Western Sydney Aerotropolis

Whether under *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4 the land is—

- (a) in an ANEF or ANEC contour of 20 or greater, as referred to in that Chapter, section 4.17, or
- (b) shown on the Lighting Intensity and Wind Shear Map, or
- (c) shown on the Obstacle Limitation Surface Map, or
- (d) in the “public safety area” on the Public Safety Area Map, or

- (e) in the “3 kilometre wildlife buffer zone” or the “13 kilometre wildlife buffer zone” on the Wildlife Buffer Zone Map.

The land **is not** subject to the *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4.

21 Development consent conditions for seniors housing

If *State Environmental Planning Policy (Housing) 2021*, Chapter 3, Part 5 applies to the land, any conditions of a development consent granted after 11 October 2007 in relation to the land that are of the kind set out in that Policy, section 88(2).

The land **is not** subject to any such statement.

22 Site compatibility certificates and development consent conditions for affordable rental housing

- (1) Whether there is a current site compatibility certificate under *State Environmental Planning Policy (Housing) 2021*, or a former site compatibility certificate, of which the council is aware, in relation to proposed development on the land and, if there is a certificate—
- (a) the period for which the certificate is current, and
 - (b) that a copy may be obtained from the Department.

The land **is not** subject to any such certificate.

- (2) If *State Environmental Planning Policy (Housing) 2021*, Chapter 2, Part 2, Division 1 or 5 applies to the land, any conditions of a development consent in relation to the land that are of a kind referred to in that Policy, clause 21(1) or 40(1).

The land **is not** subject to any such statement.

- (3) Any conditions of a development consent in relation to land that are of a kind referred to in *State Environmental Planning Policy (Affordable Rental Housing) 2009*, clause 17(1) or 38(1).

The land **is not** subject to any such statement.

- (4) In this section—
former site compatibility certificate means a site compatibility certificate issued under *State Environmental Planning Policy (Affordable Rental Housing) 2009*.

Section 59(2) Contaminated Land Management Act 1997

Note: The following matters are prescribed by section 59 (2) of *the Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act—if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued;

Not applicable

(b) that the land to which the certificate relates is subject to a management order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued;

Not applicable

(c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act—if it is the subject of such an approved proposal at the date when the certificate is issued;

Not applicable

(d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued; and

Not applicable

(e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act—if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

Not applicable

[End of information under section 10.7 (2)]

ADVICE UNDER SECTION 10.7 (5)

Note: The Council is under no obligation to furnish any of the information supplied below. Equally, it may be that not every relevant matter relating to the land is provided below. The Council draws your attention to section 10.7 (6) which states that a council shall not incur any liability in respect of any advice provided in good faith under section 10.7 (5).

Further to your application for information under section 10.7 (5), the Council has resolved to supply answers to the following questions:

A Whether or not the Council has information that would indicate that the land is subject to the risk of flooding or tidal inundation for a 1% annual exceedance probability (AEP) (1 in 100 Year) event

The Council **has no information** that indicates such a risk.

B Whether or not the Council has information that would indicate that the land is subject to slip or subsidence

The Council **is not aware** of any investigations that have been carried out.

C Whether or not the land is in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan

The land **is not in the vicinity of** a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan.

D Whether or not a planning agreement entered into under Subdivision 2 of Division 7.1 of Part 7 of the Environmental Planning and Assessment Act 1979 currently applies to the land (but only if, where the Council is not a party to the agreement, information about the agreement has been provided to the Council)

No planning agreement currently applies to the land.

E Details of the Annual Noise Exposure Forecast (ANEF) applying to the land

The property is between the **20 and 25 ANEF** (2039) contours.

Note: The ANEF level may restrict the development of the land due to the risk of exposure to aircraft noise.

F Information that indicates whether or not any additional hazards exist for which no policy of council exists to restrict development

Not applicable

G Restrictions of the use of groundwater contained within the Botany Sands Aquifer

The NSW Department of Planning & Environment has published a map showing areas where the use of groundwater is restricted to various degrees, including total prohibition of use in certain areas.

For further information, please visit www.industry.nsw.gov.au/water/science/groundwater.

H The following policies may be applicable to the land:

Clause 6.7 of the Bayside Local Environmental Plan 2021 - Airspace operations

Clause 6.8 of the Bayside Local Environmental Plan 2021 - Development in areas subject to aircraft noise

Part 2 of Botany Bay Development Control Plan 2013 - any development application proposing a new structure within 10 metres either side (horizontally or vertically) of the "line of sight" (as detailed in Figures 2 & 3 of Part 2 of the DCP) requires referral to Sydney Ports Corporation for review and comment, to ensure that the proposed development does not impact on the Vessel Traffic Service system. Refer to Part 2 of the DCP for more information.

Part 3M of the Botany Bay Development Control Plan 2013 applies to land that drains into the Botany wetlands or has the potential to adversely affect the wetlands. Refer to Part 3M of the DCP for more information.

Part 3J of the Botany Bay Development Control Plan 2013 applies to the land. This Part provides a means of assessing the effect of aircraft noise on development proposals by utilising an appropriately endorsed Australian Noise Exposure Forecast (ANEF) chart that takes into account long-term operating procedures and air traffic forecasts at Sydney (Kingsford-Smith) Airport. This Part also provides potential applicants with an understanding of the predicted level of the potential height limits due to prescribed airspace on proposed development sites and the potential for proposed developments to cause mechanical windshear.

[End of advice under Section 10.7 (5)]

IMPORTANT NOTICE TO PURCHASERS

ALTERATIONS AND ADDITIONS TO BUILDINGS

Purchasers are reminded that it is necessary to obtain development consent from the Council prior to carrying out any building alterations or additions, including brick reskinning, replacing windows or internal alterations, or for the demolition of any building, unless the proposed work is specifically exempted by *Bayside Local Environmental Plan 2021* or *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. All other building work does require the Council's approval.

Should you require any information or advice for any building work that you propose to undertake please contact the Council's Customer Service Centre on 1300 581 299.

22 February 2023

Our Ref: Certificate No. 71142
Contact: Customer Service 1300 581 299

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Dear Sir/Madam

Following is your planning certificate issued under section 10.7 (2) and (5) of the Environmental Planning and Assessment Act 1979.

This Section 10.7 Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from Council's records as they existed at the date of this Certificate.

Should you have any enquiries, please contact the Council's Customer Service Centre on 1300 581 299.

SECTION 10.7 PLANNING CERTIFICATE

(under section 10.7 of the Environmental Planning and Assessment Act 1979)

ISSUED TO:

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Council: Bayside
County: Cumberland
Parish: St George

Fee: 156.00
Receipt No: 5221729
Receipt Date: 22 February 2023
Your Ref: JOB#16364:72545

PROPERTY: 33 HENRY KENDALL CRESCENT, MASCOT NSW 2020

Lot A DP 36472

FI

Assessment No: 90696

Date: 22 February 2023



For
Meredith Wallace
General Manager

Rockdale Customer Service Centre
444-446 Princes Highway
Rockdale NSW 2216, Australia
ABN 80 690 785 443

Eastgardens Customer Service Centre
Westfield Eastgardens
152 Bunnerong Road
Eastgardens NSW 2036, Australia
ABN 80 690 785 443

T 1300 581 299 | 02 9562 1666
E council@bayside.nsw.gov.au
W www.bayside.nsw.gov.au

Postal address: PO Box 21, Rockdale NSW 2216



Telephone Interpreter Services - 131 450

Τηλεφωνικές Υπηρεσίες Διερμηνείας

بخدمة الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон

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Notes: (1) Where this certificate refers to a specific allotment (or allotments) within a strata plan the certificate is issued for the whole of the land within the strata plan, not just the specific allotment or allotments referred to, and any information contained in the certificate may relate to the whole or any part of the strata plan.

1 Names of relevant planning instruments and development control plans

(1) The name of each environmental planning instrument and development control plan that applies to the carrying out of development on the land.

Bayside Local Environmental Plan 2021

State Environmental Planning Policy No 65	Design Quality of Residential Apartment Development
State Environmental Planning Policy	(Building Sustainability Index: BASIX) 2004
State Environmental Planning Policy	(Exempt and Complying Development Codes) 2008
State Environmental Planning Policy	(Housing) 2021
State Environmental Planning Policy	(Biodiversity and Conservation) 2021
State Environmental Planning Policy	(Resilience and Hazards) 2021
State Environmental Planning Policy	(Transport and Infrastructure) 2021
State Environmental Planning Policy	(Industry and Employment) 2021
State Environmental Planning Policy	(Resources and Energy) 2021
State Environmental Planning Policy	(Precincts – Eastern Harbour City) 2021
State Environmental Planning Policy	(Planning Systems) 2021

Botany Bay Development Control Plan 2013

(2) The name of each proposed environmental planning instrument and draft development control plan, which is or has been subject to community consultation or public exhibition under the Act, that will apply to the carrying out of development on the land.

State Environmental Planning Policy	(Housing) 2021 (Explanation of Intended Effect)
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Draft Bayside Development Control Plan 2022

The public exhibition of the draft Bayside Development Control Plan 2022 (DCP) occurred over 28 days, from 7 September to 5 October 2022.

The draft DCP applies to land across the Bayside Local Government Area (LGA) and is informed by the Bayside Local Environmental Plan 2021.

At a meeting on 23 November 2022, Council considered feedback and recommendations tabled in post-exhibition report. Council resolved to amend the DCP to include all changes recommend in the report and make specific amendment to the car parking rates and provisions under Chapter 3.5 Transport, Parking and Access.

Council also resolved to re-exhibit the amended draft DCP for six weeks from 12 December 2022 to 30 January 2023. All feedback received will be reviewed and considered by Bayside Council following completion of this exhibition period.

The draft Bayside DCP can be viewed on the Bayside Council website here:
<https://haveyoursay.bayside.nsw.gov.au/draft-bayside-development-control-plan-2022-exhibition>.

Employment zones reform

On 14 December 2022, the Department of Planning and Environment finalised amendments to *Bayside Local Environmental Plan 2021*, to replace existing Business and Industrial zones with new Employment zones and to introduce certain new Additional Permitted Uses.

The published amending instrument, *State Environmental Planning Policy Amendment (Land Use Zones) (No 3) 2022*, is available to view on the NSW Legislation website at: <https://legislation.nsw.gov.au/view/pdf/asmade/epi-2022-829>

The amendments to *Bayside Local Environmental Plan 2021* contained in this instrument will commence on 26 April 2023.

For more information on these amendments, please contact Bayside Council's Strategic Planning team via email at PlanningCertificates@bayside.nsw.gov.au.

- (3) **Subsection (2) does not apply in relation to a proposed environmental planning instrument or draft development control plan if—**
- a) **it has been more than 3 years since the end of the public exhibition period for the proposed instrument or draft plan, or**
 - b) **for a proposed environmental planning instrument—the Planning Secretary has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved.**
- (4) **In this section—**
***proposed environmental planning instrument* means a draft environmental planning instrument and includes a planning proposal for a local environmental plan.**

2 Zoning and land use under relevant planning instruments

The following matters for each environmental planning instrument or draft environmental planning instrument that includes the land in a zone, however described—

- (a) **the identity of the zone, whether by reference to—**
 - (i) **a name, such as “Residential Zone” or “Heritage Area”, or**
 - (ii) **a number, such as “Zone No 2 (a)”,**
- (b) **the purposes for which development in the zone—**
 - (i) **may be carried out without development consent, and**
 - (ii) **may not be carried out except with development consent, and**
 - (iii) **is prohibited,**

The following zone or zones apply under the environmental planning instrument or draft environmental planning instrument referred to in section 1(1):

Zone B2 Local Centre

1 Objectives of zone

- To provide a range of retail, business, entertainment and community uses that serve the needs of people who live in, work in and visit the local area.
- To encourage employment opportunities in accessible locations.
- To maximise public transport patronage and encourage walking and cycling.
- To create lively town centres with pedestrian focused public domain activated by adjacent building uses and landscape elements.
- To accommodate population growth in the Rockdale town centre through high density residential uses that complement retail, commercial and cultural premises in the town centre.

2 Permitted without consent

Home-based child care; Home businesses; Home occupations

3 Permitted with consent

Boarding houses; Centre-based child care facilities; Commercial premises; Community facilities; Educational establishments; Entertainment facilities; Function centres; Group homes; Home industries; Hostels; Information and education facilities; Medical centres; Oyster aquaculture; Passenger transport facilities; Recreation facilities (indoor); Registered clubs; Respite day care centres; Restricted premises; Roads; Service stations; Shop top housing; Tank-based aquaculture; Tourist and visitor accommodation; Waste or resource transfer facilities; Any other development not specified in item 2 or 4

4 Prohibited

Advertising structures; Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Dwelling houses; Eco-tourist facilities; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Open cut mining; Pond-based aquaculture; Port facilities; Recreation facilities (major); Residential accommodation; Rural industries; Sewage treatment plants; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Waste or resource management facilities; Water recreation structures; Wharf or boating facilities; Wholesale supplies

(c) whether additional permitted uses apply to the land,

No additional permitted uses apply to the land.

- (d) **whether development standards applying to the land fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the fixed minimum land dimensions,**

No development standards apply to the land that fixes minimum land dimensions for the erection of a dwelling house.

Note: The above information does not imply that the erection of a dwelling-house is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

- (e) **whether the land is in an area of outstanding biodiversity value under the *Biodiversity Conservation Act 2016*,**

The land **is not** an area of outstanding biodiversity value.

- (f) **whether the land is in a conservation area, however described,**

The land **is not** in a conservation area.

- (g) **whether an item of environmental heritage, however described, is located on the land.**

There is **no such item** situated on the land.

3 Contributions plans

- (1) **The name of each contributions plan under the Act, Division 7.1 applying to the land, including draft contributions plans.**

City of Botany Section 7.11 Development Contributions Plan 2016
City of Botany Bay Section 94A Development Contributions Plan 2016

Note: For a copy of the plans please access Bayside Council's website at www.bayside.nsw.gov.au.

Note: If land is within the former Rockdale City Local Government Area, the *Rockdale Section 94 Contributions Plan (Amendment No 4)* and *Rockdale Section 94 Contributions Plan 1998* will continue to apply to all Development Applications and applications for Complying Development Certificates made prior to 1 June 2004.

- (2) **If the land is in a special contributions area under the Act, Division 7.1, the name of the area.**

A Special Infrastructure Contributions Plan **does not apply** to the land.

4 Complying development

- (1) **If the land is land on which complying development may be carried out under each of the complying development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.17A(1)(c)–(e), (2), (3) or (4), 1.18(1)(c3) or 1.19.**

- (2) If complying development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.
- (4) If the complying development codes are varied, under that Policy, clause 1.12, in relation to the land.

Housing Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Inland Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Low Rise Housing Diversity Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Rural Housing Code

Complying development **may be** carried out on the land under the above code.

Greenfield Housing Code

Complying development **may be** carried out on the land under the above code.

Industrial and Business Buildings Code

Complying development **may be** carried out on the land under the above code.

Housing Alterations Code

Complying development **may be** carried out on the land under the above code.

General Development Code

Complying development **may be** carried out on the land under the above code.

Industrial and Building Alterations Code

Complying development **may be** carried out on the land under the above code.

Container Recycling Facilities Code

Complying development **may be** carried out on the land under the above code.

Subdivisions Code

Complying development **may be** carried out on the land under the above code.

Demolition Code

Complying development **may be** carried out on the land under the above code.

Fire Safety Code

Complying development **may be** carried out on the land under the above code.

Notes:

(1) If a reference is made to "part of the land", Complying Development **may be** carried out on the portion of the land not subject to such a restriction.

(2) This certificate only addresses matters raised in Clause 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 you comply with any other general requirements of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

5 Exempt development

- (1) If the land is land on which exempt development may be carried out under each of the exempt development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.16(1)(b1)–(d) or 1.16A.
- (2) If exempt development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land.
- (4) If the exempt development codes are varied, under that Policy, clause 1.12, in relation to the land.

General Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

Advertising and Signage Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

Temporary Uses and Structures Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

6 Affected building notices and building product rectification orders

(1) Whether the council is aware that—

- a) an affected building notice is in force in relation to the land, or
- b) a building product rectification order is in force in relation to the land that has not been fully complied with, or
- c) a notice of intention to make a building product rectification order given in relation to the land is outstanding.

(2) In this section—

affected building notice has the same meaning as in the *Building Products (Safety) Act 2017*, Part 4.

building product rectification order has the same meaning as in the *Building Products (Safety) Act 2017*.

Council is **not aware of an issue** of a notice of intention or order pertaining to building product rectification works (Building Products Safety Act 2017).

7 Land reserved for acquisition

Whether an environmental planning instrument or proposed environmental planning instrument referred to in section 1 makes provision in relation to the acquisition of the land by an authority of the State, as referred to in the Act, section 3.15.

The land is **not affected** by any provision in an environmental planning instrument, deemed environmental planning instrument or draft environmental planning instrument that provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

8 Road widening and road realignment

Whether the land is affected by any road widening or road realignment under—

(a) the *Roads Act 1993*, Part 3, Division 2, or

The land is **not affected by** any road widening or road realignment under Division 2 of Part 3 of the *Roads Act 1993*.

(b) an environmental planning instrument, or

The land is **not affected by** any road widening or road realignment under any environmental planning instrument.

(c) a resolution of the council.

The land **is not affected by** any road widening or road realignment under any resolution of the Council.

9 Flood related development controls

- (1) **If the land or part of the land is within the flood planning area and subject to flood related development controls.**

The land or part of the land **is not** within the flood planning area and subject to flood related development controls.

- (2) **If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls.**

Yes – *Bayside Local Environmental Plan 2021* applies to the land.

Yes – *Botany Bay Development Control Plan 2013* applies to the land.

Note: (1) Further information relating to flooding is provided in the "Advice under Section 10.7 (5)" attached.

Note:

- (1) The answers above do not imply that the development referred to is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.
- (2) Council is not in a position to identify whether the information provided under section 9 relates to a current or future hazard as defined in Planning Circular PS 14-003.
-

- (3) **In this section—
flood planning area has the same meaning as in the Floodplain Development Manual.**

***Floodplain Development Manual* means the *Floodplain Development Manual* (ISBN 0 7347 5476 0) published by the NSW Government in April 2005.**

***probable maximum flood* has the same meaning as in the Floodplain Development Manual.**

10 Council and other public authority policies on hazard risk restrictions

- (1) **Whether any of the land is affected by an adopted policy that restricts the development of the land because of the likelihood of land slip, bush fire, tidal inundation, subsidence, acid sulfate soils, contamination, aircraft noise, salinity, coastal hazards, sea level rise or another risk, other than flooding.**

- (2) **In this section—**

***adopted policy* means a policy adopted—**

(a) by the council, or

(b) by another public authority, if the public authority has notified the council that the policy will be included in a planning certificate issued by the council.

Clause 6.1 of the Bayside Local Environmental Plan 2021 - Acid Sulfate Soils
Botany Bay Development Control Plan 2013 - provisions of Part 3K - Contamination

11 Bush fire prone land

- (1) If any of the land is bush fire prone land, designated by the Commissioner of the NSW Rural Fire Service under the Act, section 10.3, a statement that all or some of the land is bush fire prone land.
- (2) If none of the land is bush fire prone land, a statement to that effect.

The land is **not** bush fire prone land.

12 Loose-fill asbestos insulation

If the land includes residential premises, within the meaning of the *Home Building Act 1989*, Part 8, Division 1A, that are listed on the Register kept under that Division, a statement to that effect.

The land is **not** so listed.

13 Mine subsidence

Whether the land is declared to be a mine subsidence district within the meaning of the *Coal Mine Subsidence Compensation Act 2017*.

The land is **not** so proclaimed.

14 Paper subdivision information

- (1) The name of a development plan adopted by a relevant authority that—
 - (a) applies to the land, or
 - (b) is proposed to be subject to a ballot.
- (2) The date of a subdivision order that applies to the land.
- (3) Words and expressions used in this section have the same meaning as in this Regulation, Part 10 and the Act, Schedule 7.

The land is **not** so affected.

15 Property vegetation plans

If the land is land in relation to which a property vegetation plan is approved and in force under the *Native Vegetation Act 2003*, Part 4, a statement to that effect, but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act.

The land is **not** land to which a property vegetation plan applies.

16 Biodiversity stewardship sites

If the land is a biodiversity stewardship site under a biodiversity stewardship agreement under the *Biodiversity Conservation Act 2016*, Part 5, a statement to that effect, but only if the council has been notified of the existence of the agreement by the Biodiversity Conservation Trust.

Note— Biodiversity stewardship agreements include biobanking agreements under the *Threatened Species Conservation Act 1995*, Part 7A that are taken to be biodiversity stewardship agreements under the *Biodiversity Conservation Act 2016*, Part 5.

The land **is not** subject to any such agreement.

17 Biodiversity certified land

If the land is biodiversity certified land under the *Biodiversity Conservation Act 2016*, Part 8, a statement to that effect.

Note— Biodiversity certified land includes land certified under the *Threatened Species Conservation Act 1995*, Part 7AA that is taken to be certified under the *Biodiversity Conservation Act 2016*, Part 8.

The land **is not** biodiversity certified land.

18 Orders under *Trees (Disputes Between Neighbours) Act 2006*

Whether an order has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land, but only if the council has been notified of the order.

The land **is not** subject to such an order.

19 Annual charges under *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works

(1) If the *Coastal Management Act 2016* applies to the council, whether the owner, or a previous owner, of the land has given written consent to the land being subject to annual charges under the *Local Government Act 1993*, section 496B, for coastal protection services that relate to existing coastal protection works.

(2) In this section—
existing coastal protection works has the same meaning as in the *Local Government Act 1993*, section 553B.

Note— Existing coastal protection works are works to reduce the impact of coastal hazards on land, such as seawalls, revetments, groynes and beach nourishment, that existed before 1 January 2011.

The land **is not** subject to annual charges.

20 Western Sydney Aerotropolis

Whether under *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4 the land is—

- (a) in an ANEF or ANEC contour of 20 or greater, as referred to in that Chapter, section 4.17, or
- (b) shown on the Lighting Intensity and Wind Shear Map, or
- (c) shown on the Obstacle Limitation Surface Map, or
- (d) in the “public safety area” on the Public Safety Area Map, or
- (e) in the “3 kilometre wildlife buffer zone” or the “13 kilometre wildlife buffer zone” on the Wildlife Buffer Zone Map.

The land **is not** subject to the *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4.

21 Development consent conditions for seniors housing

If *State Environmental Planning Policy (Housing) 2021*, Chapter 3, Part 5 applies to the land, any conditions of a development consent granted after 11 October 2007 in relation to the land that are of the kind set out in that Policy, section 88(2).

The land is **not** subject to any such statement.

22 Site compatibility certificates and development consent conditions for affordable rental housing

- (1) Whether there is a current site compatibility certificate under *State Environmental Planning Policy (Housing) 2021*, or a former site compatibility certificate, of which the council is aware, in relation to proposed development on the land and, if there is a certificate—
- (a) the period for which the certificate is current, and
 - (b) that a copy may be obtained from the Department.

The land is **not** subject to any such certificate.

- (2) If *State Environmental Planning Policy (Housing) 2021*, Chapter 2, Part 2, Division 1 or 5 applies to the land, any conditions of a development consent in relation to the land that are of a kind referred to in that Policy, clause 21(1) or 40(1).

The land is **not** subject to any such statement.

- (3) Any conditions of a development consent in relation to land that are of a kind referred to in *State Environmental Planning Policy (Affordable Rental Housing) 2009*, clause 17(1) or 38(1).

The land is **not** subject to any such statement.

- (4) In this section—
former site compatibility certificate means a site compatibility certificate issued under *State Environmental Planning Policy (Affordable Rental Housing) 2009*.

Section 59(2) Contaminated Land Management Act 1997

Note: The following matters are prescribed by section 59 (2) of *the Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act—if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued;

Not applicable

- (b) that the land to which the certificate relates is subject to a management order within the meaning of that Act—if it is subject to such an order at the date when

the certificate is issued;

Not applicable

(c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act—if it is the subject of such an approved proposal at the date when the certificate is issued;

Not applicable

(d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued; and

Not applicable

(e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act—if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

Not applicable

[End of information under section 10.7 (2)]

ADVICE UNDER SECTION 10.7 (5)

Note: The Council is under no obligation to furnish any of the information supplied below. Equally, it may be that not every relevant matter relating to the land is provided below. The Council draws your attention to section 10.7 (6) which states that a council shall not incur any liability in respect of any advice provided in good faith under section 10.7 (5).

Further to your application for information under section 10.7 (5), the Council has resolved to supply answers to the following questions:

A Whether or not the Council has information that would indicate that the land is subject to the risk of flooding or tidal inundation for a 1% annual exceedance probability (AEP) (1 in 100 Year) event

The Council **has no information** that indicates such a risk.

B Whether or not the Council has information that would indicate that the land is subject to slip or subsidence

The Council **is not aware** of any investigations that have been carried out.

C Whether or not the land is in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan

The land **is not in the vicinity of** a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan.

D Whether or not a planning agreement entered into under Subdivision 2 of Division 7.1 of Part 7 of the Environmental Planning and Assessment Act 1979 currently applies to the land (but only if, where the Council is not a party to the agreement, information about the agreement has been provided to the Council)

No planning agreement currently applies to the land.

E Details of the Annual Noise Exposure Forecast (ANEF) applying to the land

The property is between the **20 and 25 ANEF** (2039) contours.

Note: The ANEF level may restrict the development of the land due to the risk of exposure to aircraft noise.

F Information that indicates whether or not any additional hazards exist for which no policy of council exists to restrict development

Not applicable

G Restrictions of the use of groundwater contained within the Botany Sands Aquifer

The NSW Department of Planning & Environment has published a map showing areas where the use of groundwater is restricted to various degrees, including total prohibition of use in certain areas.

For further information, please visit www.industry.nsw.gov.au/water/science/groundwater.

H The following policies may be applicable to the land:

Clause 6.7 of the Bayside Local Environmental Plan 2021 - Airspace operations

Clause 6.8 of the Bayside Local Environmental Plan 2021 - Development in areas subject to aircraft noise

Part 2 of Botany Bay Development Control Plan 2013 - any development application proposing a new structure within 10 metres either side (horizontally or vertically) of the "line of sight" (as detailed in Figures 2 & 3 of Part 2 of the DCP) requires referral to Sydney Ports Corporation for review and comment, to ensure that the proposed development does not impact on the Vessel Traffic Service system. Refer to Part 2 of the DCP for more information.

Part 3M of the Botany Bay Development Control Plan 2013 applies to land that drains into the Botany wetlands or has the potential to adversely affect the wetlands. Refer to Part 3M of the DCP for more information.

Part 3J of the Botany Bay Development Control Plan 2013 applies to the land. This Part provides a means of assessing the effect of aircraft noise on development proposals by utilising an appropriately endorsed Australian Noise Exposure Forecast (ANEF) chart that takes into account long-term operating procedures and air traffic forecasts at Sydney (Kingsford-Smith) Airport. This Part also provides potential applicants with an understanding of the predicted level of the potential height limits due to prescribed airspace on proposed development sites and the potential for proposed developments to cause mechanical windshear.

[End of advice under Section 10.7 (5)]

IMPORTANT NOTICE TO PURCHASERS

ALTERATIONS AND ADDITIONS TO BUILDINGS

Purchasers are reminded that it is necessary to obtain development consent from the Council prior to carrying out any building alterations or additions, including brick reskinning, replacing windows or internal alterations, or for the demolition of any building, unless the proposed work is specifically exempted by *Bayside Local Environmental Plan 2021* or *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. All other building work does require the Council's approval.

Should you require any information or advice for any building work that you propose to undertake please contact the Council's Customer Service Centre on 1300 581 299.

22 February 2023

Our Ref: Certificate No. 71150
Contact: Customer Service 1300 581 299

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Dear Sir/Madam

Following is your planning certificate issued under section 10.7 (2) and (5) of the Environmental Planning and Assessment Act 1979.

This Section 10.7 Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from Council's records as they existed at the date of this Certificate.

Should you have any enquiries, please contact the Council's Customer Service Centre on 1300 581 299.

SECTION 10.7 PLANNING CERTIFICATE

(under section 10.7 of the Environmental Planning and Assessment Act 1979)

ISSUED TO:

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Council: Bayside
County: Cumberland
Parish: St George

Fee: 156.00
Receipt No: 5221729
Receipt Date: 22 February 2023
Your Ref: JOB#16364:72545


PROPERTY: 792 BOTANY ROAD, MASCOT NSW 2020

Lot E DP 36472

FI

Assessment No: 90700

Date: 22 February 2023



For
Meredith Wallace
General Manager

Rockdale Customer Service Centre
444-446 Princes Highway
Rockdale NSW 2216, Australia
ABN 80 690 785 443

Eastgardens Customer Service Centre
Westfield Eastgardens
152 Bunnerong Road
Eastgardens NSW 2036, Australia
ABN 80 690 785 443

T 1300 581 299 | 02 9562 1666
E council@bayside.nsw.gov.au
W www.bayside.nsw.gov.au

Postal address: PO Box 21, Rockdale NSW 2216



Telephone Interpreter Services - 131 450

Τηλεφωνικές Υπηρεσίες Διερμηνείας

بخدمة الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон

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Notes: (1) Where this certificate refers to a specific allotment (or allotments) within a strata plan the certificate is issued for the whole of the land within the strata plan, not just the specific allotment or allotments referred to, and any information contained in the certificate may relate to the whole or any part of the strata plan.

1 Names of relevant planning instruments and development control plans

(1) The name of each environmental planning instrument and development control plan that applies to the carrying out of development on the land.

Bayside Local Environmental Plan 2021

State Environmental Planning Policy No 65	Design Quality of Residential Apartment Development
State Environmental Planning Policy	(Building Sustainability Index: BASIX) 2004
State Environmental Planning Policy	(Exempt and Complying Development Codes) 2008
State Environmental Planning Policy	(Housing) 2021
State Environmental Planning Policy	(Biodiversity and Conservation) 2021
State Environmental Planning Policy	(Resilience and Hazards) 2021
State Environmental Planning Policy	(Transport and Infrastructure) 2021
State Environmental Planning Policy	(Industry and Employment) 2021
State Environmental Planning Policy	(Resources and Energy) 2021
State Environmental Planning Policy	(Precincts – Eastern Harbour City) 2021
State Environmental Planning Policy	(Planning Systems) 2021

Botany Bay Development Control Plan 2013

(2) The name of each proposed environmental planning instrument and draft development control plan, which is or has been subject to community consultation or public exhibition under the Act, that will apply to the carrying out of development on the land.

State Environmental Planning Policy	(Housing) 2021 (Explanation of Intended Effect)
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Draft Bayside Development Control Plan 2022

The public exhibition of the draft Bayside Development Control Plan 2022 (DCP) occurred over 28 days, from 7 September to 5 October 2022.

The draft DCP applies to land across the Bayside Local Government Area (LGA) and is informed by the Bayside Local Environmental Plan 2021.

At a meeting on 23 November 2022, Council considered feedback and recommendations tabled in post-exhibition report. Council resolved to amend the DCP to include all changes recommend in the report and make specific amendment to the car parking rates and provisions under Chapter 3.5 Transport, Parking and Access.

Council also resolved to re-exhibit the amended draft DCP for six weeks from 12 December 2022 to 30 January 2023. All feedback received will be reviewed and considered by Bayside Council following completion of this exhibition period.

The draft Bayside DCP can be viewed on the Bayside Council website here:
<https://haveyoursay.bayside.nsw.gov.au/draft-bayside-development-control-plan-2022-exhibition>.

Employment zones reform

On 14 December 2022, the Department of Planning and Environment finalised amendments to *Bayside Local Environmental Plan 2021*, to replace existing Business and Industrial zones with new Employment zones and to introduce certain new Additional Permitted Uses.

The published amending instrument, *State Environmental Planning Policy Amendment (Land Use Zones) (No 3) 2022*, is available to view on the NSW Legislation website at: <https://legislation.nsw.gov.au/view/pdf/asmade/epi-2022-829>

The amendments to *Bayside Local Environmental Plan 2021* contained in this instrument will commence on 26 April 2023.

For more information on these amendments, please contact Bayside Council's Strategic Planning team via email at PlanningCertificates@bayside.nsw.gov.au.

- (3) **Subsection (2) does not apply in relation to a proposed environmental planning instrument or draft development control plan if—**
- a) **it has been more than 3 years since the end of the public exhibition period for the proposed instrument or draft plan, or**
 - b) **for a proposed environmental planning instrument—the Planning Secretary has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved.**
- (4) **In this section—**
***proposed environmental planning instrument* means a draft environmental planning instrument and includes a planning proposal for a local environmental plan.**

2 Zoning and land use under relevant planning instruments

The following matters for each environmental planning instrument or draft environmental planning instrument that includes the land in a zone, however described—

- (a) **the identity of the zone, whether by reference to—**
 - (i) **a name, such as “Residential Zone” or “Heritage Area”, or**
 - (ii) **a number, such as “Zone No 2 (a)”,**
- (b) **the purposes for which development in the zone—**
 - (i) **may be carried out without development consent, and**
 - (ii) **may not be carried out except with development consent, and**
 - (iii) **is prohibited,**

The following zone or zones apply under the environmental planning instrument or draft environmental planning instrument referred to in section 1(1):

Zone B2 Local Centre

1 Objectives of zone

- To provide a range of retail, business, entertainment and community uses that serve the needs of people who live in, work in and visit the local area.
- To encourage employment opportunities in accessible locations.
- To maximise public transport patronage and encourage walking and cycling.
- To create lively town centres with pedestrian focused public domain activated by adjacent building uses and landscape elements.
- To accommodate population growth in the Rockdale town centre through high density residential uses that complement retail, commercial and cultural premises in the town centre.

2 Permitted without consent

Home-based child care; Home businesses; Home occupations

3 Permitted with consent

Boarding houses; Centre-based child care facilities; Commercial premises; Community facilities; Educational establishments; Entertainment facilities; Function centres; Group homes; Home industries; Hostels; Information and education facilities; Medical centres; Oyster aquaculture; Passenger transport facilities; Recreation facilities (indoor); Registered clubs; Respite day care centres; Restricted premises; Roads; Service stations; Shop top housing; Tank-based aquaculture; Tourist and visitor accommodation; Waste or resource transfer facilities; Any other development not specified in item 2 or 4

4 Prohibited

Advertising structures; Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Dwelling houses; Eco-tourist facilities; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Open cut mining; Pond-based aquaculture; Port facilities; Recreation facilities (major); Residential accommodation; Rural industries; Sewage treatment plants; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Waste or resource management facilities; Water recreation structures; Wharf or boating facilities; Wholesale supplies

(c) whether additional permitted uses apply to the land,

No additional permitted uses apply to the land.

- (d) **whether development standards applying to the land fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the fixed minimum land dimensions,**

No development standards apply to the land that fixes minimum land dimensions for the erection of a dwelling house.

Note: The above information does not imply that the erection of a dwelling-house is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

- (e) **whether the land is in an area of outstanding biodiversity value under the *Biodiversity Conservation Act 2016*,**

The land **is not** an area of outstanding biodiversity value.

- (f) **whether the land is in a conservation area, however described,**

The land **is not** in a conservation area.

- (g) **whether an item of environmental heritage, however described, is located on the land.**

There is **no such item** situated on the land.

3 Contributions plans

- (1) **The name of each contributions plan under the Act, Division 7.1 applying to the land, including draft contributions plans.**

City of Botany Section 7.11 Development Contributions Plan 2016
City of Botany Bay Section 94A Development Contributions Plan 2016

Note: For a copy of the plans please access Bayside Council's website at www.bayside.nsw.gov.au.

Note: If land is within the former Rockdale City Local Government Area, the *Rockdale Section 94 Contributions Plan (Amendment No 4)* and *Rockdale Section 94 Contributions Plan 1998* will continue to apply to all Development Applications and applications for Complying Development Certificates made prior to 1 June 2004.

- (2) **If the land is in a special contributions area under the Act, Division 7.1, the name of the area.**

A Special Infrastructure Contributions Plan **does not apply** to the land.

4 Complying development

- (1) **If the land is land on which complying development may be carried out under each of the complying development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.17A(1)(c)–(e), (2), (3) or (4), 1.18(1)(c3) or 1.19.**

- (2) If complying development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.
- (4) If the complying development codes are varied, under that Policy, clause 1.12, in relation to the land.

Housing Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Inland Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Low Rise Housing Diversity Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Rural Housing Code

Complying development **may be** carried out on the land under the above code.

Greenfield Housing Code

Complying development **may be** carried out on the land under the above code.

Industrial and Business Buildings Code

Complying development **may be** carried out on the land under the above code.

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Demolition Code

Complying development **may be** carried out on the land under the above code.

Fire Safety Code

Complying development **may be** carried out on the land under the above code.

Notes:

(1) If a reference is made to "part of the land", Complying Development **may be** carried out on the portion of the land not subject to such a restriction.

(2) This certificate only addresses matters raised in Clause 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 you comply with any other general requirements of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

5 Exempt development

- (1) If the land is land on which exempt development may be carried out under each of the exempt development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.16(1)(b1)–(d) or 1.16A.
- (2) If exempt development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land.
- (4) If the exempt development codes are varied, under that Policy, clause 1.12, in relation to the land.

General Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

Advertising and Signage Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

Temporary Uses and Structures Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

6 Affected building notices and building product rectification orders

- (1) Whether the council is aware that—
- a) an affected building notice is in force in relation to the land, or
 - b) a building product rectification order is in force in relation to the land that has not been fully complied with, or
 - c) a notice of intention to make a building product rectification order given in relation to the land is outstanding.
- (2) In this section—
affected building notice has the same meaning as in the *Building Products (Safety) Act 2017*, Part 4.

building product rectification order has the same meaning as in the *Building Products (Safety) Act 2017*.

Council **is not aware of an issue** of a notice of intention or order pertaining to building product rectification works (Building Products Safety Act 2017).

7 Land reserved for acquisition

Whether an environmental planning instrument or proposed environmental planning instrument referred to in section 1 makes provision in relation to the acquisition of the land by an authority of the State, as referred to in the Act, section 3.15.

The land **is not affected** by any provision in an environmental planning instrument, deemed environmental planning instrument or draft environmental planning instrument that provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

8 Road widening and road realignment

Whether the land is affected by any road widening or road realignment under—

- (a) **the *Roads Act 1993*, Part 3, Division 2, or**

The land **is not affected by** any road widening or road realignment under Division 2 of Part 3 of the *Roads Act 1993*.

- (b) **an environmental planning instrument, or**

The land **is not affected by** any road widening or road realignment under any environmental planning instrument.

- (c) **a resolution of the council.**

The land **is not affected by** any road widening or road realignment under any resolution of the Council.

9 Flood related development controls

- (1) If the land or part of the land is within the flood planning area and subject to flood related development controls.**

The land or part of the land **is not** within the flood planning area and subject to flood related development controls.

- (2) If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls.**

Yes – *Bayside Local Environmental Plan 2021* applies to the land.

Yes – *Botany Bay Development Control Plan 2013* applies to the land.

Note: (1) Further information relating to flooding is provided in the "Advice under Section 10.7 (5)" attached.

Note:

- (1) The answers above do not imply that the development referred to is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.
- (2) Council is not in a position to identify whether the information provided under section 9 relates to a current or future hazard as defined in Planning Circular PS 14-003.
-

- (3) In this section—**
***flood planning area* has the same meaning as in the Floodplain Development Manual.**

***Floodplain Development Manual* means the *Floodplain Development Manual* (ISBN 0 7347 5476 0) published by the NSW Government in April 2005.**

***probable maximum flood* has the same meaning as in the Floodplain Development Manual.**

10 Council and other public authority policies on hazard risk restrictions

- (1) Whether any of the land is affected by an adopted policy that restricts the development of the land because of the likelihood of land slip, bush fire, tidal inundation, subsidence, acid sulfate soils, contamination, aircraft noise, salinity, coastal hazards, sea level rise or another risk, other than flooding.**

- (2) In this section—**

***adopted policy* means a policy adopted—**

- (a) by the council, or**
- (b) by another public authority, if the public authority has notified the council that the policy will be included in a planning certificate issued by the council.**

Clause 6.1 of the Bayside Local Environmental Plan 2021 - Acid Sulfate Soils

Botany Bay Development Control Plan 2013 - provisions of Part 3K - Contamination

11 Bush fire prone land

- (1) If any of the land is bush fire prone land, designated by the Commissioner of the NSW Rural Fire Service under the Act, section 10.3, a statement that all or some of the land is bush fire prone land.
- (2) If none of the land is bush fire prone land, a statement to that effect.

The land **is not** bush fire prone land.

12 Loose-fill asbestos insulation

If the land includes residential premises, within the meaning of the *Home Building Act 1989*, Part 8, Division 1A, that are listed on the Register kept under that Division, a statement to that effect.

The land **is not** so listed.

13 Mine subsidence

Whether the land is declared to be a mine subsidence district within the meaning of the *Coal Mine Subsidence Compensation Act 2017*.

The land **is not** so proclaimed.

14 Paper subdivision information

- (1) The name of a development plan adopted by a relevant authority that–
 - (a) applies to the land, or
 - (b) is proposed to be subject to a ballot.
- (2) The date of a subdivision order that applies to the land.
- (3) Words and expressions used in this section have the same meaning as in this Regulation, Part 10 and the Act, Schedule 7.

The land **is not** so affected.

15 Property vegetation plans

If the land is land in relation to which a property vegetation plan is approved and in force under the *Native Vegetation Act 2003*, Part 4, a statement to that effect, but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act.

The land **is not** land to which a property vegetation plan applies.

16 Biodiversity stewardship sites

If the land is a biodiversity stewardship site under a biodiversity stewardship

agreement under the *Biodiversity Conservation Act 2016*, Part 5, a statement to that effect, but only if the council has been notified of the existence of the agreement by the Biodiversity Conservation Trust.

Note— *Biodiversity stewardship agreements include biobanking agreements under the Threatened Species Conservation Act 1995, Part 7A that are taken to be biodiversity stewardship agreements under the Biodiversity Conservation Act 2016, Part 5.*

The land **is not** subject to any such agreement.

17 Biodiversity certified land

If the land is biodiversity certified land under the *Biodiversity Conservation Act 2016*, Part 8, a statement to that effect.

Note— *Biodiversity certified land includes land certified under the Threatened Species Conservation Act 1995, Part 7AA that is taken to be certified under the Biodiversity Conservation Act 2016, Part 8.*

The land **is not** biodiversity certified land.

18 Orders under *Trees (Disputes Between Neighbours) Act 2006*

Whether an order has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land, but only if the council has been notified of the order.

The land **is not** subject to such an order.

19 Annual charges under *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works

(1) If the *Coastal Management Act 2016* applies to the council, whether the owner, or a previous owner, of the land has given written consent to the land being subject to annual charges under the *Local Government Act 1993*, section 496B, for coastal protection services that relate to existing coastal protection works.

(2) In this section—
existing coastal protection works has the same meaning as in the *Local Government Act 1993*, section 553B.

Note— Existing coastal protection works are works to reduce the impact of coastal hazards on land, such as seawalls, revetments, groynes and beach nourishment, that existed before 1 January 2011.

The land **is not** subject to annual charges.

20 Western Sydney Aerotropolis

Whether under *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4 the land is—

- (a) in an ANEF or ANEC contour of 20 or greater, as referred to in that Chapter, section 4.17, or
- (b) shown on the Lighting Intensity and Wind Shear Map, or
- (c) shown on the Obstacle Limitation Surface Map, or
- (d) in the “public safety area” on the Public Safety Area Map, or

- (e) in the “3 kilometre wildlife buffer zone” or the “13 kilometre wildlife buffer zone” on the Wildlife Buffer Zone Map.

The land **is not** subject to the *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4.

21 Development consent conditions for seniors housing

If *State Environmental Planning Policy (Housing) 2021*, Chapter 3, Part 5 applies to the land, any conditions of a development consent granted after 11 October 2007 in relation to the land that are of the kind set out in that Policy, section 88(2).

The land **is not** subject to any such statement.

22 Site compatibility certificates and development consent conditions for affordable rental housing

- (1) Whether there is a current site compatibility certificate under *State Environmental Planning Policy (Housing) 2021*, or a former site compatibility certificate, of which the council is aware, in relation to proposed development on the land and, if there is a certificate—
- (a) the period for which the certificate is current, and
 - (b) that a copy may be obtained from the Department.

The land **is not** subject to any such certificate.

- (2) If *State Environmental Planning Policy (Housing) 2021*, Chapter 2, Part 2, Division 1 or 5 applies to the land, any conditions of a development consent in relation to the land that are of a kind referred to in that Policy, clause 21(1) or 40(1).

The land **is not** subject to any such statement.

- (3) Any conditions of a development consent in relation to land that are of a kind referred to in *State Environmental Planning Policy (Affordable Rental Housing) 2009*, clause 17(1) or 38(1).

The land **is not** subject to any such statement.

- (4) In this section—
former site compatibility certificate means a site compatibility certificate issued under *State Environmental Planning Policy (Affordable Rental Housing) 2009*.

Section 59(2) Contaminated Land Management Act 1997

Note: The following matters are prescribed by section 59 (2) of *the Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act—if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued;

Not applicable

(b) that the land to which the certificate relates is subject to a management order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued;

Not applicable

(c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act—if it is the subject of such an approved proposal at the date when the certificate is issued;

Not applicable

(d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued; and

Not applicable

(e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act—if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

Not applicable

[End of information under section 10.7 (2)]

ADVICE UNDER SECTION 10.7 (5)

Note: The Council is under no obligation to furnish any of the information supplied below. Equally, it may be that not every relevant matter relating to the land is provided below. The Council draws your attention to section 10.7 (6) which states that a council shall not incur any liability in respect of any advice provided in good faith under section 10.7 (5).

Further to your application for information under section 10.7 (5), the Council has resolved to supply answers to the following questions:

A Whether or not the Council has information that would indicate that the land is subject to the risk of flooding or tidal inundation for a 1% annual exceedance probability (AEP) (1 in 100 Year) event

The Council **has no information** that indicates such a risk.

B Whether or not the Council has information that would indicate that the land is subject to slip or subsidence

The Council **is not aware** of any investigations that have been carried out.

C Whether or not the land is in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan

The land **is not in the vicinity of** a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan.

D Whether or not a planning agreement entered into under Subdivision 2 of Division 7.1 of Part 7 of the Environmental Planning and Assessment Act 1979 currently applies to the land (but only if, where the Council is not a party to the agreement, information about the agreement has been provided to the Council)

No planning agreement currently applies to the land.

E Details of the Annual Noise Exposure Forecast (ANEF) applying to the land

The property is between the **20 and 25 ANEF** (2039) contours.

Note: The ANEF level may restrict the development of the land due to the risk of exposure to aircraft noise.

F Information that indicates whether or not any additional hazards exist for which no policy of council exists to restrict development

Not applicable

G Restrictions of the use of groundwater contained within the Botany Sands Aquifer

The NSW Department of Planning & Environment has published a map showing areas where the use of groundwater is restricted to various degrees, including total prohibition of use in certain areas.

For further information, please visit www.industry.nsw.gov.au/water/science/groundwater.

H The following policies may be applicable to the land:

Clause 6.7 of the Bayside Local Environmental Plan 2021 - Airspace operations

Clause 6.8 of the Bayside Local Environmental Plan 2021 - Development in areas subject to aircraft noise

Part 2 of Botany Bay Development Control Plan 2013 - any development application proposing a new structure within 10 metres either side (horizontally or vertically) of the "line of sight" (as detailed in Figures 2 & 3 of Part 2 of the DCP) requires referral to Sydney Ports Corporation for review and comment, to ensure that the proposed development does not impact on the Vessel Traffic Service system. Refer to Part 2 of the DCP for more information.

Part 3M of the Botany Bay Development Control Plan 2013 applies to land that drains into the Botany wetlands or has the potential to adversely affect the wetlands. Refer to Part 3M of the DCP for more information.

Part 3J of the Botany Bay Development Control Plan 2013 applies to the land. This Part provides a means of assessing the effect of aircraft noise on development proposals by utilising an appropriately endorsed Australian Noise Exposure Forecast (ANEF) chart that takes into account long-term operating procedures and air traffic forecasts at Sydney (Kingsford-Smith) Airport. This Part also provides potential applicants with an understanding of the predicted level of the potential height limits due to prescribed airspace on proposed development sites and the potential for proposed developments to cause mechanical windshear.

[End of advice under Section 10.7 (5)]

IMPORTANT NOTICE TO PURCHASERS

ALTERATIONS AND ADDITIONS TO BUILDINGS

Purchasers are reminded that it is necessary to obtain development consent from the Council prior to carrying out any building alterations or additions, including brick reskinning, replacing windows or internal alterations, or for the demolition of any building, unless the proposed work is specifically exempted by *Bayside Local Environmental Plan 2021* or *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. All other building work does require the Council's approval.

Should you require any information or advice for any building work that you propose to undertake please contact the Council's Customer Service Centre on 1300 581 299.

22 February 2023

Our Ref: Certificate No. 71151
Contact: Customer Service 1300 581 299

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Dear Sir/Madam

Following is your planning certificate issued under section 10.7 (2) and (5) of the Environmental Planning and Assessment Act 1979.

This Section 10.7 Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from Council's records as they existed at the date of this Certificate.

Should you have any enquiries, please contact the Council's Customer Service Centre on 1300 581 299.

SECTION 10.7 PLANNING CERTIFICATE

(under section 10.7 of the Environmental Planning and Assessment Act 1979)

ISSUED TO:

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Council: Bayside
County: Cumberland
Parish: St George

Fee: 156.00
Receipt No: 5221729
Receipt Date: 22 February 2023
Your Ref: JOB#16364:72545

PROPERTY: 794 BOTANY ROAD, MASCOT NSW 2020

Lot D DP 36472

FI

Assessment No: 90699

Date: 22 February 2023



For
Meredith Wallace
General Manager

Rockdale Customer Service Centre
444-446 Princes Highway
Rockdale NSW 2216, Australia
ABN 80 690 785 443

Eastgardens Customer Service Centre
Westfield Eastgardens
152 Bunnerong Road
Eastgardens NSW 2036, Australia
ABN 80 690 785 443

T 1300 581 299 | 02 9562 1666
E council@bayside.nsw.gov.au
W www.bayside.nsw.gov.au

Postal address: PO Box 21, Rockdale NSW 2216



Telephone Interpreter Services - 131 450

Τηλεφωνικές Υπηρεσίες Διερμηνείας

بخدمة الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон

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Notes: (1) Where this certificate refers to a specific allotment (or allotments) within a strata plan the certificate is issued for the whole of the land within the strata plan, not just the specific allotment or allotments referred to, and any information contained in the certificate may relate to the whole or any part of the strata plan.

1 Names of relevant planning instruments and development control plans

(1) The name of each environmental planning instrument and development control plan that applies to the carrying out of development on the land.

Bayside Local Environmental Plan 2021

State Environmental Planning Policy No 65	Design Quality of Residential Apartment Development
State Environmental Planning Policy	(Building Sustainability Index: BASIX) 2004
State Environmental Planning Policy	(Exempt and Complying Development Codes) 2008
State Environmental Planning Policy	(Housing) 2021
State Environmental Planning Policy	(Biodiversity and Conservation) 2021
State Environmental Planning Policy	(Resilience and Hazards) 2021
State Environmental Planning Policy	(Transport and Infrastructure) 2021
State Environmental Planning Policy	(Industry and Employment) 2021
State Environmental Planning Policy	(Resources and Energy) 2021
State Environmental Planning Policy	(Precincts – Eastern Harbour City) 2021
State Environmental Planning Policy	(Planning Systems) 2021

Botany Bay Development Control Plan 2013

(2) The name of each proposed environmental planning instrument and draft development control plan, which is or has been subject to community consultation or public exhibition under the Act, that will apply to the carrying out of development on the land.

State Environmental Planning Policy	(Housing) 2021 (Explanation of Intended Effect)
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Draft Bayside Development Control Plan 2022

The public exhibition of the draft Bayside Development Control Plan 2022 (DCP) occurred over 28 days, from 7 September to 5 October 2022.

The draft DCP applies to land across the Bayside Local Government Area (LGA) and is informed by the Bayside Local Environmental Plan 2021.

At a meeting on 23 November 2022, Council considered feedback and recommendations tabled in post-exhibition report. Council resolved to amend the DCP to include all changes recommend in the report and make specific amendment to the car parking rates and provisions under Chapter 3.5 Transport, Parking and Access.

Council also resolved to re-exhibit the amended draft DCP for six weeks from 12 December 2022 to 30 January 2023. All feedback received will be reviewed and considered by Bayside Council following completion of this exhibition period.

The draft Bayside DCP can be viewed on the Bayside Council website here:
<https://haveyoursay.bayside.nsw.gov.au/draft-bayside-development-control-plan-2022-exhibition>.

Employment zones reform

On 14 December 2022, the Department of Planning and Environment finalised amendments to *Bayside Local Environmental Plan 2021*, to replace existing Business and Industrial zones with new Employment zones and to introduce certain new Additional Permitted Uses.

The published amending instrument, *State Environmental Planning Policy Amendment (Land Use Zones) (No 3) 2022*, is available to view on the NSW Legislation website at: <https://legislation.nsw.gov.au/view/pdf/asmade/epi-2022-829>

The amendments to *Bayside Local Environmental Plan 2021* contained in this instrument will commence on 26 April 2023.

For more information on these amendments, please contact Bayside Council's Strategic Planning team via email at PlanningCertificates@bayside.nsw.gov.au.

- (3) **Subsection (2) does not apply in relation to a proposed environmental planning instrument or draft development control plan if—**
- a) **it has been more than 3 years since the end of the public exhibition period for the proposed instrument or draft plan, or**
 - b) **for a proposed environmental planning instrument—the Planning Secretary has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved.**
- (4) **In this section—**
***proposed environmental planning instrument* means a draft environmental planning instrument and includes a planning proposal for a local environmental plan.**

2 Zoning and land use under relevant planning instruments

The following matters for each environmental planning instrument or draft environmental planning instrument that includes the land in a zone, however described—

- (a) **the identity of the zone, whether by reference to—**
 - (i) **a name, such as “Residential Zone” or “Heritage Area”, or**
 - (ii) **a number, such as “Zone No 2 (a)”,**
- (b) **the purposes for which development in the zone—**
 - (i) **may be carried out without development consent, and**
 - (ii) **may not be carried out except with development consent, and**
 - (iii) **is prohibited,**

The following zone or zones apply under the environmental planning instrument or draft environmental planning instrument referred to in section 1(1):

Zone B2 Local Centre

1 Objectives of zone

- To provide a range of retail, business, entertainment and community uses that serve the needs of people who live in, work in and visit the local area.
- To encourage employment opportunities in accessible locations.
- To maximise public transport patronage and encourage walking and cycling.
- To create lively town centres with pedestrian focused public domain activated by adjacent building uses and landscape elements.
- To accommodate population growth in the Rockdale town centre through high density residential uses that complement retail, commercial and cultural premises in the town centre.

2 Permitted without consent

Home-based child care; Home businesses; Home occupations

3 Permitted with consent

Boarding houses; Centre-based child care facilities; Commercial premises; Community facilities; Educational establishments; Entertainment facilities; Function centres; Group homes; Home industries; Hostels; Information and education facilities; Medical centres; Oyster aquaculture; Passenger transport facilities; Recreation facilities (indoor); Registered clubs; Respite day care centres; Restricted premises; Roads; Service stations; Shop top housing; Tank-based aquaculture; Tourist and visitor accommodation; Waste or resource transfer facilities; Any other development not specified in item 2 or 4

4 Prohibited

Advertising structures; Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Dwelling houses; Eco-tourist facilities; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Open cut mining; Pond-based aquaculture; Port facilities; Recreation facilities (major); Residential accommodation; Rural industries; Sewage treatment plants; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Waste or resource management facilities; Water recreation structures; Wharf or boating facilities; Wholesale supplies

(c) whether additional permitted uses apply to the land,

No additional permitted uses apply to the land.

- (d) **whether development standards applying to the land fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the fixed minimum land dimensions,**

No development standards apply to the land that fixes minimum land dimensions for the erection of a dwelling house.

Note: The above information does not imply that the erection of a dwelling-house is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

- (e) **whether the land is in an area of outstanding biodiversity value under the *Biodiversity Conservation Act 2016*,**

The land **is not** an area of outstanding biodiversity value.

- (f) **whether the land is in a conservation area, however described,**

The land **is not** in a conservation area.

- (g) **whether an item of environmental heritage, however described, is located on the land.**

There is **no such item** situated on the land.

3 Contributions plans

- (1) **The name of each contributions plan under the Act, Division 7.1 applying to the land, including draft contributions plans.**

City of Botany Section 7.11 Development Contributions Plan 2016
City of Botany Bay Section 94A Development Contributions Plan 2016

Note: For a copy of the plans please access Bayside Council's website at www.bayside.nsw.gov.au.

Note: If land is within the former Rockdale City Local Government Area, the *Rockdale Section 94 Contributions Plan (Amendment No 4)* and *Rockdale Section 94 Contributions Plan 1998* will continue to apply to all Development Applications and applications for Complying Development Certificates made prior to 1 June 2004.

- (2) **If the land is in a special contributions area under the Act, Division 7.1, the name of the area.**

A Special Infrastructure Contributions Plan **does not apply** to the land.

4 Complying development

- (1) **If the land is land on which complying development may be carried out under each of the complying development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.17A(1)(c)–(e), (2), (3) or (4), 1.18(1)(c3) or 1.19.**

- (2) If complying development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.
- (4) If the complying development codes are varied, under that Policy, clause 1.12, in relation to the land.

Housing Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Inland Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Low Rise Housing Diversity Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Rural Housing Code

Complying development **may be** carried out on the land under the above code.

Greenfield Housing Code

Complying development **may be** carried out on the land under the above code.

Industrial and Business Buildings Code

Complying development **may be** carried out on the land under the above code.

Housing Alterations Code

Complying development **may be** carried out on the land under the above code.

General Development Code

Complying development **may be** carried out on the land under the above code.

Industrial and Building Alterations Code

Complying development **may be** carried out on the land under the above code.

Container Recycling Facilities Code

Complying development **may be** carried out on the land under the above code.

Subdivisions Code

Complying development **may be** carried out on the land under the above code.

Demolition Code

Complying development **may be** carried out on the land under the above code.

Fire Safety Code

Complying development **may be** carried out on the land under the above code.

Notes:

(1) If a reference is made to "part of the land", Complying Development **may be** carried out on the portion of the land not subject to such a restriction.

(2) This certificate only addresses matters raised in Clause 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 you comply with any other general requirements of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

5 Exempt development

- (1) If the land is land on which exempt development may be carried out under each of the exempt development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.16(1)(b1)–(d) or 1.16A.
- (2) If exempt development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land.
- (4) If the exempt development codes are varied, under that Policy, clause 1.12, in relation to the land.

General Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

Advertising and Signage Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a

ground water exclusion zone.

Temporary Uses and Structures Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

6 Affected building notices and building product rectification orders

(1) Whether the council is aware that—

- a) an affected building notice is in force in relation to the land, or
- b) a building product rectification order is in force in relation to the land that has not been fully complied with, or
- c) a notice of intention to make a building product rectification order given in relation to the land is outstanding.

(2) In this section—

affected building notice has the same meaning as in the *Building Products (Safety) Act 2017*, Part 4.

building product rectification order has the same meaning as in the *Building Products (Safety) Act 2017*.

Council is **not aware of an issue** of a notice of intention or order pertaining to building product rectification works (Building Products Safety Act 2017).

7 Land reserved for acquisition

Whether an environmental planning instrument or proposed environmental planning instrument referred to in section 1 makes provision in relation to the acquisition of the land by an authority of the State, as referred to in the Act, section 3.15.

The land is **not affected** by any provision in an environmental planning instrument, deemed environmental planning instrument or draft environmental planning instrument that provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

8 Road widening and road realignment

Whether the land is affected by any road widening or road realignment under—

(a) the *Roads Act 1993*, Part 3, Division 2, or

The land is **not affected by** any road widening or road realignment under Division 2 of Part 3 of the *Roads Act 1993*.

(b) an environmental planning instrument, or

The land is **not affected by** any road widening or road realignment under any environmental planning instrument.

(c) a resolution of the council.

The land **is not affected by** any road widening or road realignment under any resolution of the Council.

9 Flood related development controls

- (1) **If the land or part of the land is within the flood planning area and subject to flood related development controls.**

The land or part of the land **is not** within the flood planning area and subject to flood related development controls.

- (2) **If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls.**

Yes – *Bayside Local Environmental Plan 2021* applies to the land.

Yes – *Botany Bay Development Control Plan 2013* applies to the land.

Note: (1) Further information relating to flooding is provided in the "Advice under Section 10.7 (5)" attached.

Note:

- (1) The answers above do not imply that the development referred to is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.
- (2) Council is not in a position to identify whether the information provided under section 9 relates to a current or future hazard as defined in Planning Circular PS 14-003.
-

- (3) **In this section—
flood planning area has the same meaning as in the Floodplain Development Manual.**

***Floodplain Development Manual* means the *Floodplain Development Manual* (ISBN 0 7347 5476 0) published by the NSW Government in April 2005.**

***probable maximum flood* has the same meaning as in the Floodplain Development Manual.**

10 Council and other public authority policies on hazard risk restrictions

- (1) **Whether any of the land is affected by an adopted policy that restricts the development of the land because of the likelihood of land slip, bush fire, tidal inundation, subsidence, acid sulfate soils, contamination, aircraft noise, salinity, coastal hazards, sea level rise or another risk, other than flooding.**

- (2) **In this section—**

***adopted policy* means a policy adopted—**

- (a) by the council, or**
- (b) by another public authority, if the public authority has notified the council that the policy will be included in a planning certificate issued by the council.**

Clause 6.1 of the Bayside Local Environmental Plan 2021 - Acid Sulfate Soils

Botany Bay Development Control Plan 2013 - provisions of Part 3K - Contamination

11 Bush fire prone land

- (1) If any of the land is bush fire prone land, designated by the Commissioner of the NSW Rural Fire Service under the Act, section 10.3, a statement that all or some of the land is bush fire prone land.
- (2) If none of the land is bush fire prone land, a statement to that effect.

The land **is not** bush fire prone land.

12 Loose-fill asbestos insulation

If the land includes residential premises, within the meaning of the *Home Building Act 1989*, Part 8, Division 1A, that are listed on the Register kept under that Division, a statement to that effect.

The land **is not** so listed.

13 Mine subsidence

Whether the land is declared to be a mine subsidence district within the meaning of the *Coal Mine Subsidence Compensation Act 2017*.

The land **is not** so proclaimed.

14 Paper subdivision information

- (1) The name of a development plan adopted by a relevant authority that—
 - (a) applies to the land, or
 - (b) is proposed to be subject to a ballot.
- (2) The date of a subdivision order that applies to the land.
- (3) Words and expressions used in this section have the same meaning as in this Regulation, Part 10 and the Act, Schedule 7.

The land **is not** so affected.

15 Property vegetation plans

If the land is land in relation to which a property vegetation plan is approved and in force under the *Native Vegetation Act 2003*, Part 4, a statement to that effect, but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act.

The land **is not** land to which a property vegetation plan applies.

16 Biodiversity stewardship sites

If the land is a biodiversity stewardship site under a biodiversity stewardship

agreement under the *Biodiversity Conservation Act 2016*, Part 5, a statement to that effect, but only if the council has been notified of the existence of the agreement by the Biodiversity Conservation Trust.

Note— *Biodiversity stewardship agreements include biobanking agreements under the Threatened Species Conservation Act 1995, Part 7A that are taken to be biodiversity stewardship agreements under the Biodiversity Conservation Act 2016, Part 5.*

The land **is not** subject to any such agreement.

17 Biodiversity certified land

If the land is biodiversity certified land under the *Biodiversity Conservation Act 2016*, Part 8, a statement to that effect.

Note— *Biodiversity certified land includes land certified under the Threatened Species Conservation Act 1995, Part 7AA that is taken to be certified under the Biodiversity Conservation Act 2016, Part 8.*

The land **is not** biodiversity certified land.

18 Orders under *Trees (Disputes Between Neighbours) Act 2006*

Whether an order has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land, but only if the council has been notified of the order.

The land **is not** subject to such an order.

19 Annual charges under *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works

(1) If the *Coastal Management Act 2016* applies to the council, whether the owner, or a previous owner, of the land has given written consent to the land being subject to annual charges under the *Local Government Act 1993*, section 496B, for coastal protection services that relate to existing coastal protection works.

(2) In this section—
existing coastal protection works has the same meaning as in the *Local Government Act 1993*, section 553B.

Note— Existing coastal protection works are works to reduce the impact of coastal hazards on land, such as seawalls, revetments, groynes and beach nourishment, that existed before 1 January 2011.

The land **is not** subject to annual charges.

20 Western Sydney Aerotropolis

Whether under *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4 the land is—

- (a) in an ANEF or ANEC contour of 20 or greater, as referred to in that Chapter, section 4.17, or
- (b) shown on the Lighting Intensity and Wind Shear Map, or
- (c) shown on the Obstacle Limitation Surface Map, or
- (d) in the “public safety area” on the Public Safety Area Map, or

- (e) in the “3 kilometre wildlife buffer zone” or the “13 kilometre wildlife buffer zone” on the Wildlife Buffer Zone Map.

The land is **not** subject to the *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4.

21 Development consent conditions for seniors housing

If *State Environmental Planning Policy (Housing) 2021*, Chapter 3, Part 5 applies to the land, any conditions of a development consent granted after 11 October 2007 in relation to the land that are of the kind set out in that Policy, section 88(2).

The land is **not** subject to any such statement.

22 Site compatibility certificates and development consent conditions for affordable rental housing

- (1) Whether there is a current site compatibility certificate under *State Environmental Planning Policy (Housing) 2021*, or a former site compatibility certificate, of which the council is aware, in relation to proposed development on the land and, if there is a certificate—
- (a) the period for which the certificate is current, and
 - (b) that a copy may be obtained from the Department.

The land is **not** subject to any such certificate.

- (2) If *State Environmental Planning Policy (Housing) 2021*, Chapter 2, Part 2, Division 1 or 5 applies to the land, any conditions of a development consent in relation to the land that are of a kind referred to in that Policy, clause 21(1) or 40(1).

The land is **not** subject to any such statement.

- (3) Any conditions of a development consent in relation to land that are of a kind referred to in *State Environmental Planning Policy (Affordable Rental Housing) 2009*, clause 17(1) or 38(1).

The land is **not** subject to any such statement.

- (4) In this section—
former site compatibility certificate means a site compatibility certificate issued under *State Environmental Planning Policy (Affordable Rental Housing) 2009*.

Section 59(2) Contaminated Land Management Act 1997

Note: The following matters are prescribed by section 59 (2) of *the Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act—if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued;

Not applicable

(b) that the land to which the certificate relates is subject to a management order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued;

Not applicable

(c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act—if it is the subject of such an approved proposal at the date when the certificate is issued;

Not applicable

(d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued; and

Not applicable

(e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act—if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

Not applicable

[End of information under section 10.7 (2)]

ADVICE UNDER SECTION 10.7 (5)

Note: The Council is under no obligation to furnish any of the information supplied below. Equally, it may be that not every relevant matter relating to the land is provided below. The Council draws your attention to section 10.7 (6) which states that a council shall not incur any liability in respect of any advice provided in good faith under section 10.7 (5).

Further to your application for information under section 10.7 (5), the Council has resolved to supply answers to the following questions:

A Whether or not the Council has information that would indicate that the land is subject to the risk of flooding or tidal inundation for a 1% annual exceedance probability (AEP) (1 in 100 Year) event

The Council **has no information** that indicates such a risk.

B Whether or not the Council has information that would indicate that the land is subject to slip or subsidence

The Council **is not aware** of any investigations that have been carried out.

C Whether or not the land is in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan

A building, work, relic, tree or place located on land in the vicinity of this land **is identified as a heritage item** in schedule 5 to *Bayside Local Environmental Plan 2021*.

The special provisions of clause 5.10(5) of this plan apply to development on land in the vicinity of heritage items.

D Whether or not a planning agreement entered into under Subdivision 2 of Division 7.1 of Part 7 of the Environmental Planning and Assessment Act 1979 currently applies to the land (but only if, where the Council is not a party to the agreement, information about the agreement has been provided to the Council)

No planning agreement currently applies to the land.

E Details of the Annual Noise Exposure Forecast (ANEF) applying to the land

The property is between the **20 and 25 ANEF** (2039) contours.

Note: The ANEF level may restrict the development of the land due to the risk of exposure to aircraft noise.

F Information that indicates whether or not any additional hazards exist for which no policy of council exists to restrict development

Not applicable

G Restrictions of the use of groundwater contained within the Botany Sands Aquifer

The NSW Department of Planning & Environment has published a map showing areas where the use of groundwater is restricted to various degrees, including total prohibition of use in certain areas.

For further information, please visit www.industry.nsw.gov.au/water/science/groundwater.

H The following policies may be applicable to the land:

Clause 6.7 of the Bayside Local Environmental Plan 2021 - Airspace operations

Clause 6.8 of the Bayside Local Environmental Plan 2021 - Development in areas subject to aircraft noise

Part 2 of Botany Bay Development Control Plan 2013 - any development application proposing a new structure within 10 metres either side (horizontally or vertically) of the "line of sight" (as detailed in Figures 2 & 3 of Part 2 of the DCP) requires referral to Sydney Ports Corporation for review and comment, to ensure that the proposed development does not impact on the Vessel Traffic Service system. Refer to Part 2 of the DCP for more information.

Part 3M of the Botany Bay Development Control Plan 2013 applies to land that drains into the Botany wetlands or has the potential to adversely affect the wetlands. Refer to Part 3M of the DCP for more information.

Part 3J of the Botany Bay Development Control Plan 2013 applies to the land. This Part provides a means of assessing the effect of aircraft noise on development proposals by utilising an appropriately endorsed Australian Noise Exposure Forecast (ANEF) chart that takes into account long-term operating procedures and air traffic forecasts at Sydney (Kingsford-Smith) Airport. This Part also provides potential applicants with an understanding of the predicted level of the potential height limits due to prescribed airspace on proposed development sites and the potential for proposed developments to cause mechanical windshear.

[End of advice under Section 10.7 (5)]

IMPORTANT NOTICE TO PURCHASERS

ALTERATIONS AND ADDITIONS TO BUILDINGS

Purchasers are reminded that it is necessary to obtain development consent from the Council prior to carrying out any building alterations or additions, including brick reskinning, replacing windows or internal alterations, or for the demolition of any building, unless the proposed work is specifically exempted by *Bayside Local Environmental Plan 2021* or *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. All other building work does require the Council's approval.

Should you require any information or advice for any building work that you propose to undertake please contact the Council's Customer Service Centre on 1300 581 299.

22 February 2023

Our Ref: Certificate No. 71148
Contact: Customer Service 1300 581 299

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Dear Sir/Madam

Following is your planning certificate issued under section 10.7 (2) and (5) of the Environmental Planning and Assessment Act 1979.

This Section 10.7 Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from Council's records as they existed at the date of this Certificate.

Should you have any enquiries, please contact the Council's Customer Service Centre on 1300 581 299.

SECTION 10.7 PLANNING CERTIFICATE

(under section 10.7 of the Environmental Planning and Assessment Act 1979)

ISSUED TO:

Alliance Geotechnical Pty Ltd
8-10 Welder Rd
SEVEN HILLS NSW 2147

Council: Bayside
County: Cumberland
Parish: St George

Fee: 156.00
Receipt No: 5221729
Receipt Date: 22 February 2023
Your Ref: JOB#16364:72545

PROPERTY: 37 HENRY KENDALL CRESCENT, MASCOT NSW 2020

Lot C DP 36472

FI

Assessment No: 90698

Date: 22 February 2023



For
Meredith Wallace
General Manager

Rockdale Customer Service Centre
444-446 Princes Highway
Rockdale NSW 2216, Australia
ABN 80 690 785 443

Eastgardens Customer Service Centre
Westfield Eastgardens
152 Bunnerong Road
Eastgardens NSW 2036, Australia
ABN 80 690 785 443

T 1300 581 299 | 02 9562 1666
E council@bayside.nsw.gov.au
W www.bayside.nsw.gov.au

Postal address: PO Box 21, Rockdale NSW 2216



Telephone Interpreter Services - 131 450

Τηλεφωνικές Υπηρεσίες Διερμηνείας

بخدمه الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон

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Notes: (1) Where this certificate refers to a specific allotment (or allotments) within a strata plan the certificate is issued for the whole of the land within the strata plan, not just the specific allotment or allotments referred to, and any information contained in the certificate may relate to the whole or any part of the strata plan.

1 Names of relevant planning instruments and development control plans

(1) The name of each environmental planning instrument and development control plan that applies to the carrying out of development on the land.

Bayside Local Environmental Plan 2021

State Environmental Planning Policy No 65	Design Quality of Residential Apartment Development
State Environmental Planning Policy	(Building Sustainability Index: BASIX) 2004
State Environmental Planning Policy	(Exempt and Complying Development Codes) 2008
State Environmental Planning Policy	(Housing) 2021
State Environmental Planning Policy	(Biodiversity and Conservation) 2021
State Environmental Planning Policy	(Resilience and Hazards) 2021
State Environmental Planning Policy	(Transport and Infrastructure) 2021
State Environmental Planning Policy	(Industry and Employment) 2021
State Environmental Planning Policy	(Resources and Energy) 2021
State Environmental Planning Policy	(Precincts – Eastern Harbour City) 2021
State Environmental Planning Policy	(Planning Systems) 2021

Botany Bay Development Control Plan 2013

(2) The name of each proposed environmental planning instrument and draft development control plan, which is or has been subject to community consultation or public exhibition under the Act, that will apply to the carrying out of development on the land.

State Environmental Planning Policy	(Housing) 2021 (Explanation of Intended Effect)
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Draft Bayside Development Control Plan 2022

The public exhibition of the draft Bayside Development Control Plan 2022 (DCP) occurred over 28 days, from 7 September to 5 October 2022.

The draft DCP applies to land across the Bayside Local Government Area (LGA) and is informed by the Bayside Local Environmental Plan 2021.

At a meeting on 23 November 2022, Council considered feedback and recommendations tabled in post-exhibition report. Council resolved to amend the DCP to include all changes recommend in the report and make specific amendment to the car parking rates and provisions under Chapter 3.5 Transport, Parking and Access.

Council also resolved to re-exhibit the amended draft DCP for six weeks from 12 December 2022 to 30 January 2023. All feedback received will be reviewed and considered by Bayside Council following completion of this exhibition period.

The draft Bayside DCP can be viewed on the Bayside Council website here:
<https://haveyoursay.bayside.nsw.gov.au/draft-bayside-development-control-plan-2022-exhibition>.

Employment zones reform

On 14 December 2022, the Department of Planning and Environment finalised amendments to *Bayside Local Environmental Plan 2021*, to replace existing Business and Industrial zones with new Employment zones and to introduce certain new Additional Permitted Uses.

The published amending instrument, *State Environmental Planning Policy Amendment (Land Use Zones) (No 3) 2022*, is available to view on the NSW Legislation website at: <https://legislation.nsw.gov.au/view/pdf/asmade/epi-2022-829>

The amendments to *Bayside Local Environmental Plan 2021* contained in this instrument will commence on 26 April 2023.

For more information on these amendments, please contact Bayside Council's Strategic Planning team via email at PlanningCertificates@bayside.nsw.gov.au.

- (3) **Subsection (2) does not apply in relation to a proposed environmental planning instrument or draft development control plan if—**
- a) **it has been more than 3 years since the end of the public exhibition period for the proposed instrument or draft plan, or**
 - b) **for a proposed environmental planning instrument—the Planning Secretary has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved.**
- (4) **In this section—**
***proposed environmental planning instrument* means a draft environmental planning instrument and includes a planning proposal for a local environmental plan.**

2 Zoning and land use under relevant planning instruments

The following matters for each environmental planning instrument or draft environmental planning instrument that includes the land in a zone, however described—

- (a) **the identity of the zone, whether by reference to—**
 - (i) **a name, such as “Residential Zone” or “Heritage Area”, or**
 - (ii) **a number, such as “Zone No 2 (a)”,**
- (b) **the purposes for which development in the zone—**
 - (i) **may be carried out without development consent, and**
 - (ii) **may not be carried out except with development consent, and**
 - (iii) **is prohibited,**

The following zone or zones apply under the environmental planning instrument or draft environmental planning instrument referred to in section 1(1):

Zone B2 Local Centre

1 Objectives of zone

- To provide a range of retail, business, entertainment and community uses that serve the needs of people who live in, work in and visit the local area.
- To encourage employment opportunities in accessible locations.
- To maximise public transport patronage and encourage walking and cycling.
- To create lively town centres with pedestrian focused public domain activated by adjacent building uses and landscape elements.
- To accommodate population growth in the Rockdale town centre through high density residential uses that complement retail, commercial and cultural premises in the town centre.

2 Permitted without consent

Home-based child care; Home businesses; Home occupations

3 Permitted with consent

Boarding houses; Centre-based child care facilities; Commercial premises; Community facilities; Educational establishments; Entertainment facilities; Function centres; Group homes; Home industries; Hostels; Information and education facilities; Medical centres; Oyster aquaculture; Passenger transport facilities; Recreation facilities (indoor); Registered clubs; Respite day care centres; Restricted premises; Roads; Service stations; Shop top housing; Tank-based aquaculture; Tourist and visitor accommodation; Waste or resource transfer facilities; Any other development not specified in item 2 or 4

4 Prohibited

Advertising structures; Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Dwelling houses; Eco-tourist facilities; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Open cut mining; Pond-based aquaculture; Port facilities; Recreation facilities (major); Residential accommodation; Rural industries; Sewage treatment plants; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Waste or resource management facilities; Water recreation structures; Wharf or boating facilities; Wholesale supplies

(c) whether additional permitted uses apply to the land,

No additional permitted uses apply to the land.

- (d) **whether development standards applying to the land fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the fixed minimum land dimensions,**

No development standards apply to the land that fixes minimum land dimensions for the erection of a dwelling house.

Note: The above information does not imply that the erection of a dwelling-house is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

- (e) **whether the land is in an area of outstanding biodiversity value under the *Biodiversity Conservation Act 2016*,**

The land **is not** an area of outstanding biodiversity value.

- (f) **whether the land is in a conservation area, however described,**

The land **is not** in a conservation area.

- (g) **whether an item of environmental heritage, however described, is located on the land.**

There is **no such item** situated on the land.

3 Contributions plans

- (1) **The name of each contributions plan under the Act, Division 7.1 applying to the land, including draft contributions plans.**

City of Botany Section 7.11 Development Contributions Plan 2016
City of Botany Bay Section 94A Development Contributions Plan 2016

Note: For a copy of the plans please access Bayside Council's website at www.bayside.nsw.gov.au.

Note: If land is within the former Rockdale City Local Government Area, the *Rockdale Section 94 Contributions Plan (Amendment No 4)* and *Rockdale Section 94 Contributions Plan 1998* will continue to apply to all Development Applications and applications for Complying Development Certificates made prior to 1 June 2004.

- (2) **If the land is in a special contributions area under the Act, Division 7.1, the name of the area.**

A Special Infrastructure Contributions Plan **does not apply** to the land.

4 Complying development

- (1) **If the land is land on which complying development may be carried out under each of the complying development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.17A(1)(c)–(e), (2), (3) or (4), 1.18(1)(c3) or 1.19.**

- (2) If complying development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.
- (4) If the complying development codes are varied, under that Policy, clause 1.12, in relation to the land.

Housing Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Inland Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Low Rise Housing Diversity Code

Complying development **may not** be carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 5 of the Policy as land affected by a ground water exclusion zone.

Rural Housing Code

Complying development **may be** carried out on the land under the above code.

Greenfield Housing Code

Complying development **may be** carried out on the land under the above code.

Industrial and Business Buildings Code

Complying development **may be** carried out on the land under the above code.

Housing Alterations Code

Complying development **may be** carried out on the land under the above code.

General Development Code

Complying development **may be** carried out on the land under the above code.

Industrial and Building Alterations Code

Complying development **may be** carried out on the land under the above code.

Container Recycling Facilities Code

Complying development **may be** carried out on the land under the above code.

Subdivisions Code

Complying development **may be** carried out on the land under the above code.

Demolition Code

Complying development **may be** carried out on the land under the above code.

Fire Safety Code

Complying development **may be** carried out on the land under the above code.

Notes:

(1) If a reference is made to “part of the land”, Complying Development **may be** carried out on the portion of the land not subject to such a restriction.

(2) This certificate only addresses matters raised in Clause 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 you comply with any other general requirements of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

5 Exempt development

- (1) If the land is land on which exempt development may be carried out under each of the exempt development codes under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, because of that Policy, clause 1.16(1)(b1)–(d) or 1.16A.
- (2) If exempt development may not be carried out on the land because of 1 of those clauses, the reasons why it may not be carried out under the clause.
- (3) If the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land, a statement that—
 - (a) a restriction applies to the land, but it may not apply to all of the land, and
 - (b) the council does not have sufficient information to ascertain the extent to which exempt development may or may not be carried out on the land.
- (4) If the exempt development codes are varied, under that Policy, clause 1.12, in relation to the land.

General Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

Advertising and Signage Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a

ground water exclusion zone.

Temporary Uses and Structures Exempt Development Code

Exempt development **may not be** carried out on the land in accordance with the above code for the following reason/s:

The land is identified on a map specified in Schedule 4 of the Policy as land affected by a ground water exclusion zone.

6 Affected building notices and building product rectification orders

(1) Whether the council is aware that—

- a) an affected building notice is in force in relation to the land, or
- b) a building product rectification order is in force in relation to the land that has not been fully complied with, or
- c) a notice of intention to make a building product rectification order given in relation to the land is outstanding.

(2) In this section—

affected building notice has the same meaning as in the *Building Products (Safety) Act 2017*, Part 4.

building product rectification order has the same meaning as in the *Building Products (Safety) Act 2017*.

Council **is not aware of an issue** of a notice of intention or order pertaining to building product rectification works (*Building Products Safety Act 2017*).

7 Land reserved for acquisition

Whether an environmental planning instrument or proposed environmental planning instrument referred to in section 1 makes provision in relation to the acquisition of the land by an authority of the State, as referred to in the Act, section 3.15.

The land **is not affected** by any provision in an environmental planning instrument, deemed environmental planning instrument or draft environmental planning instrument that provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

8 Road widening and road realignment

Whether the land is affected by any road widening or road realignment under—

(a) the *Roads Act 1993*, Part 3, Division 2, or

The land **is not affected by** any road widening or road realignment under Division 2 of Part 3 of the *Roads Act 1993*.

(b) an environmental planning instrument, or

The land **is not affected by** any road widening or road realignment under any environmental planning instrument.

(c) a resolution of the council.

The land **is not affected by** any road widening or road realignment under any resolution of the Council.

9 Flood related development controls

- (1) **If the land or part of the land is within the flood planning area and subject to flood related development controls.**

The land or part of the land **is not** within the flood planning area and subject to flood related development controls.

- (2) **If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls.**

Yes – *Bayside Local Environmental Plan 2021* applies to the land.

Yes – *Botany Bay Development Control Plan 2013* applies to the land.

Note: (1) Further information relating to flooding is provided in the "Advice under Section 10.7 (5)" attached.

Note:

(1) The answers above do not imply that the development referred to is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

(2) Council is not in a position to identify whether the information provided under section 9 relates to a current or future hazard as defined in Planning Circular PS 14-003.

- (3) **In this section—
flood planning area has the same meaning as in the Floodplain Development Manual.**

***Floodplain Development Manual* means the *Floodplain Development Manual* (ISBN 0 7347 5476 0) published by the NSW Government in April 2005.**

***probable maximum flood* has the same meaning as in the Floodplain Development Manual.**

10 Council and other public authority policies on hazard risk restrictions

- (1) **Whether any of the land is affected by an adopted policy that restricts the development of the land because of the likelihood of land slip, bush fire, tidal inundation, subsidence, acid sulfate soils, contamination, aircraft noise, salinity, coastal hazards, sea level rise or another risk, other than flooding.**

- (2) **In this section—**

***adopted policy* means a policy adopted—**

(a) by the council, or

(b) by another public authority, if the public authority has notified the council that the policy will be included in a planning certificate issued by the council.

Clause 6.1 of the Bayside Local Environmental Plan 2021 - Acid Sulfate Soils

Botany Bay Development Control Plan 2013 - provisions of Part 3K - Contamination

11 Bush fire prone land

- (1) If any of the land is bush fire prone land, designated by the Commissioner of the NSW Rural Fire Service under the Act, section 10.3, a statement that all or some of the land is bush fire prone land.
- (2) If none of the land is bush fire prone land, a statement to that effect.

The land **is not** bush fire prone land.

12 Loose-fill asbestos insulation

If the land includes residential premises, within the meaning of the *Home Building Act 1989*, Part 8, Division 1A, that are listed on the Register kept under that Division, a statement to that effect.

The land **is not** so listed.

13 Mine subsidence

Whether the land is declared to be a mine subsidence district within the meaning of the *Coal Mine Subsidence Compensation Act 2017*.

The land **is not** so proclaimed.

14 Paper subdivision information

- (1) The name of a development plan adopted by a relevant authority that—
 - (a) applies to the land, or
 - (b) is proposed to be subject to a ballot.
- (2) The date of a subdivision order that applies to the land.
- (3) Words and expressions used in this section have the same meaning as in this Regulation, Part 10 and the Act, Schedule 7.

The land **is not** so affected.

15 Property vegetation plans

If the land is land in relation to which a property vegetation plan is approved and in force under the *Native Vegetation Act 2003*, Part 4, a statement to that effect, but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act.

The land **is not** land to which a property vegetation plan applies.

16 Biodiversity stewardship sites

If the land is a biodiversity stewardship site under a biodiversity stewardship

agreement under the *Biodiversity Conservation Act 2016*, Part 5, a statement to that effect, but only if the council has been notified of the existence of the agreement by the Biodiversity Conservation Trust.

Note— *Biodiversity stewardship agreements include biobanking agreements under the Threatened Species Conservation Act 1995, Part 7A that are taken to be biodiversity stewardship agreements under the Biodiversity Conservation Act 2016, Part 5.*

The land **is not** subject to any such agreement.

17 Biodiversity certified land

If the land is biodiversity certified land under the *Biodiversity Conservation Act 2016*, Part 8, a statement to that effect.

Note— *Biodiversity certified land includes land certified under the Threatened Species Conservation Act 1995, Part 7AA that is taken to be certified under the Biodiversity Conservation Act 2016, Part 8.*

The land **is not** biodiversity certified land.

18 Orders under *Trees (Disputes Between Neighbours) Act 2006*

Whether an order has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land, but only if the council has been notified of the order.

The land **is not** subject to such an order.

19 Annual charges under *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works

(1) If the *Coastal Management Act 2016* applies to the council, whether the owner, or a previous owner, of the land has given written consent to the land being subject to annual charges under the *Local Government Act 1993*, section 496B, for coastal protection services that relate to existing coastal protection works.

(2) In this section—
existing coastal protection works has the same meaning as in the *Local Government Act 1993*, section 553B.

Note— Existing coastal protection works are works to reduce the impact of coastal hazards on land, such as seawalls, revetments, groynes and beach nourishment, that existed before 1 January 2011.

The land **is not** subject to annual charges.

20 Western Sydney Aerotropolis

Whether under *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4 the land is—

- (a) in an ANEF or ANEC contour of 20 or greater, as referred to in that Chapter, section 4.17, or
- (b) shown on the Lighting Intensity and Wind Shear Map, or
- (c) shown on the Obstacle Limitation Surface Map, or
- (d) in the “public safety area” on the Public Safety Area Map, or

- (e) in the “3 kilometre wildlife buffer zone” or the “13 kilometre wildlife buffer zone” on the Wildlife Buffer Zone Map.

The land is **not** subject to the *State Environmental Planning Policy (Precincts—Western Parkland City) 2021*, Chapter 4.

21 Development consent conditions for seniors housing

If *State Environmental Planning Policy (Housing) 2021*, Chapter 3, Part 5 applies to the land, any conditions of a development consent granted after 11 October 2007 in relation to the land that are of the kind set out in that Policy, section 88(2).

The land is **not** subject to any such statement.

22 Site compatibility certificates and development consent conditions for affordable rental housing

- (1) Whether there is a current site compatibility certificate under *State Environmental Planning Policy (Housing) 2021*, or a former site compatibility certificate, of which the council is aware, in relation to proposed development on the land and, if there is a certificate—
- (a) the period for which the certificate is current, and
 - (b) that a copy may be obtained from the Department.

The land is **not** subject to any such certificate.

- (2) If *State Environmental Planning Policy (Housing) 2021*, Chapter 2, Part 2, Division 1 or 5 applies to the land, any conditions of a development consent in relation to the land that are of a kind referred to in that Policy, clause 21(1) or 40(1).

The land is **not** subject to any such statement.

- (3) Any conditions of a development consent in relation to land that are of a kind referred to in *State Environmental Planning Policy (Affordable Rental Housing) 2009*, clause 17(1) or 38(1).

The land is **not** subject to any such statement.

- (4) In this section—
former site compatibility certificate means a site compatibility certificate issued under *State Environmental Planning Policy (Affordable Rental Housing) 2009*.

Section 59(2) Contaminated Land Management Act 1997

Note: The following matters are prescribed by section 59 (2) of *the Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act—if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued;

Not applicable

(b) that the land to which the certificate relates is subject to a management order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued;

Not applicable

(c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act—if it is the subject of such an approved proposal at the date when the certificate is issued;

Not applicable

(d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued; and

Not applicable

(e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act—if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

Not applicable

[End of information under section 10.7 (2)]

ADVICE UNDER SECTION 10.7 (5)

Note: The Council is under no obligation to furnish any of the information supplied below. Equally, it may be that not every relevant matter relating to the land is provided below. The Council draws your attention to section 10.7 (6) which states that a council shall not incur any liability in respect of any advice provided in good faith under section 10.7 (5).

Further to your application for information under section 10.7 (5), the Council has resolved to supply answers to the following questions:

A Whether or not the Council has information that would indicate that the land is subject to the risk of flooding or tidal inundation for a 1% annual exceedance probability (AEP) (1 in 100 Year) event

The Council **has no information** that indicates such a risk.

B Whether or not the Council has information that would indicate that the land is subject to slip or subsidence

The Council **is not aware** of any investigations that have been carried out.

C Whether or not the land is in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan

A building, work, relic, tree or place located on land in the vicinity of this land **is identified as a heritage item** in schedule 5 to *Bayside Local Environmental Plan 2021*.

The special provisions of clause 5.10(5) of this plan apply to development on land in the vicinity of heritage items.

D Whether or not a planning agreement entered into under Subdivision 2 of Division 7.1 of Part 7 of the Environmental Planning and Assessment Act 1979 currently applies to the land (but only if, where the Council is not a party to the agreement, information about the agreement has been provided to the Council)

No planning agreement currently applies to the land.

E Details of the Annual Noise Exposure Forecast (ANEF) applying to the land

The property is between the **20 and 25 ANEF** (2039) contours.

Note: The ANEF level may restrict the development of the land due to the risk of exposure to aircraft noise.

F Information that indicates whether or not any additional hazards exist for which no policy of council exists to restrict development

Not applicable

G Restrictions of the use of groundwater contained within the Botany Sands Aquifer

The NSW Department of Planning & Environment has published a map showing areas where the use of groundwater is restricted to various degrees, including total prohibition of use in certain areas.

For further information, please visit www.industry.nsw.gov.au/water/science/groundwater.

H The following policies may be applicable to the land:

Clause 6.7 of the Bayside Local Environmental Plan 2021 - Airspace operations

Clause 6.8 of the Bayside Local Environmental Plan 2021 - Development in areas subject to aircraft noise

Part 2 of Botany Bay Development Control Plan 2013 - any development application proposing a new structure within 10 metres either side (horizontally or vertically) of the "line of sight" (as detailed in Figures 2 & 3 of Part 2 of the DCP) requires referral to Sydney Ports Corporation for review and comment, to ensure that the proposed development does not impact on the Vessel Traffic Service system. Refer to Part 2 of the DCP for more information.

Part 3M of the Botany Bay Development Control Plan 2013 applies to land that drains into the Botany wetlands or has the potential to adversely affect the wetlands. Refer to Part 3M of the DCP for more information.

Part 3J of the Botany Bay Development Control Plan 2013 applies to the land. This Part provides a means of assessing the effect of aircraft noise on development proposals by utilising an appropriately endorsed Australian Noise Exposure Forecast (ANEF) chart that takes into account long-term operating procedures and air traffic forecasts at Sydney (Kingsford-Smith) Airport. This Part also provides potential applicants with an understanding of the predicted level of the potential height limits due to prescribed airspace on proposed development sites and the potential for proposed developments to cause mechanical windshear.

[End of advice under Section 10.7 (5)]

IMPORTANT NOTICE TO PURCHASERS

ALTERATIONS AND ADDITIONS TO BUILDINGS

Purchasers are reminded that it is necessary to obtain development consent from the Council prior to carrying out any building alterations or additions, including brick reskinning, replacing windows or internal alterations, or for the demolition of any building, unless the proposed work is specifically exempted by *Bayside Local Environmental Plan 2021* or *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. All other building work does require the Council's approval.

Should you require any information or advice for any building work that you propose to undertake please contact the Council's Customer Service Centre on 1300 581 299.

APPENDIX F – SafeWork NSW

CLOSED FILE

1999

Occupier: AMBULANCE SERVICE OF NSW

Site:

776 BOTANY RD,
MASCOT 2020



Ambulance Service of New South Wales

SOUTH EASTERN AND CENTRAL SYDNEY
Level 1, 5-9 Butler Rd, Hurstville NSW 2220
Tel: 9580 3106
Fax: 9580 3090

Our Reference: EM:CD:0670

Your Reference:

27 September, 1999

Mr Serge Morson
DPO 4
Workcover, New South Wales
GPO Box 5364
SYDNEY NSW 2001

Dear Mr Morson,

I refer to your letter of 17 August, 1999, and now enclose Certificate of Abandonment for the following stations:-

Randwick: 143 Barker Street	Ref: 35/002171
Mascot: 766 Botany Road	Ref: 35/004006
Drummoyne: 53 Victoria Road	Ref: 35/009550

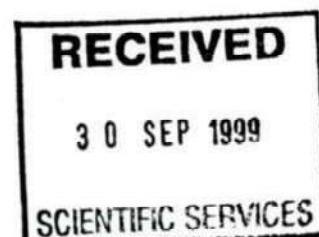
SCID noted
1/10/99

As previously advised, the premises at Quay Street, Haymarket (ref: 35/007153) was sold on 21 May, 1999. The new owners are expected to demolish these premises. This tank was filled with sand, the electricity was shut off and it was padlocked.

Should you require any further information please do not hesitate to contact me.

Yours sincerely,


E.J. MARKS
AREA MANAGER



AUSTRALIAN PETROLEUM INSTALLATION P.L.

ACN. 060 048

P.O. BOX 454, NEWPORT. NSW. 2106

Ph: 0412 294 212 Fax: (02) 9918 2590

email:ozpetins@aol.com.au

6th September, 1999.

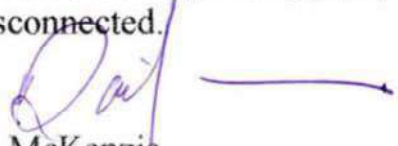
N.S.W. Ambulance Station,
74 Carlton Crescent,
SUMMER HILL. NSW.

Att: Mr. P. Tedesco.

CERTIFICATE OF ABANDONMENT.

We certify that we have abandoned the existing 2000l fuel storage tank at BOTANY RD. MASCOT STATION via sand fill method, in accordance with AS 1940.

Further, the dispensing pump has been removed and the electrical supply disconnected.



D. McKenzie.
A.P.I.



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 35/004006 to 1999. I confirm that all the licence details shown below are correct (amend if necessary).

 J. HALL 19/5/98
(Signature) (Please print name) (Date signed)
for: AMBULANCE SERVICE OF NSW

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

Details of licence on 29 April 1998

Licence Number 35/004006 Expiry Date 26/06/98

Licensee AMBULANCE SERVICE OF NSW

Postal Address 5-9 BUTLER RD, HURSTVILLE 2220

Licence Contact ~~David Jenkins~~ Ph. 9580 3106 Fax. 9580 3090 E. Marks.

Premises Licensed to Keep Dangerous Goods

776 BOTANY RD
MASCOT 2020

Nature of Site AMBULANCE SERVICES Major Supplier of Dangerous Goods SHELL

Emergency Contact for this Site CoOrdination Supervisor x114 ph. 982 0920

Site staffing 24 HRS 7 DAYS

Details of Depots

Depot No.	Depot Type	Goods Stored in Depot	Qty
C925	UNDERGROUND TANK	Class 3 UN 1203 PETROL	2300 L 2300 L



pl renew
Licence renewed
on SCID 1
SCID 2 ✓
lic Mailed ✓

PART B

35/004006

YARD

↑ ADJOINS UNITS

North

WINDOW

YARD
ADJOINS
UNITS
←

DRIVEWAY

TOILET

OXFORD
STORE

UNDERGROUND
TANK
(PETROL)

PETROL
BOILER

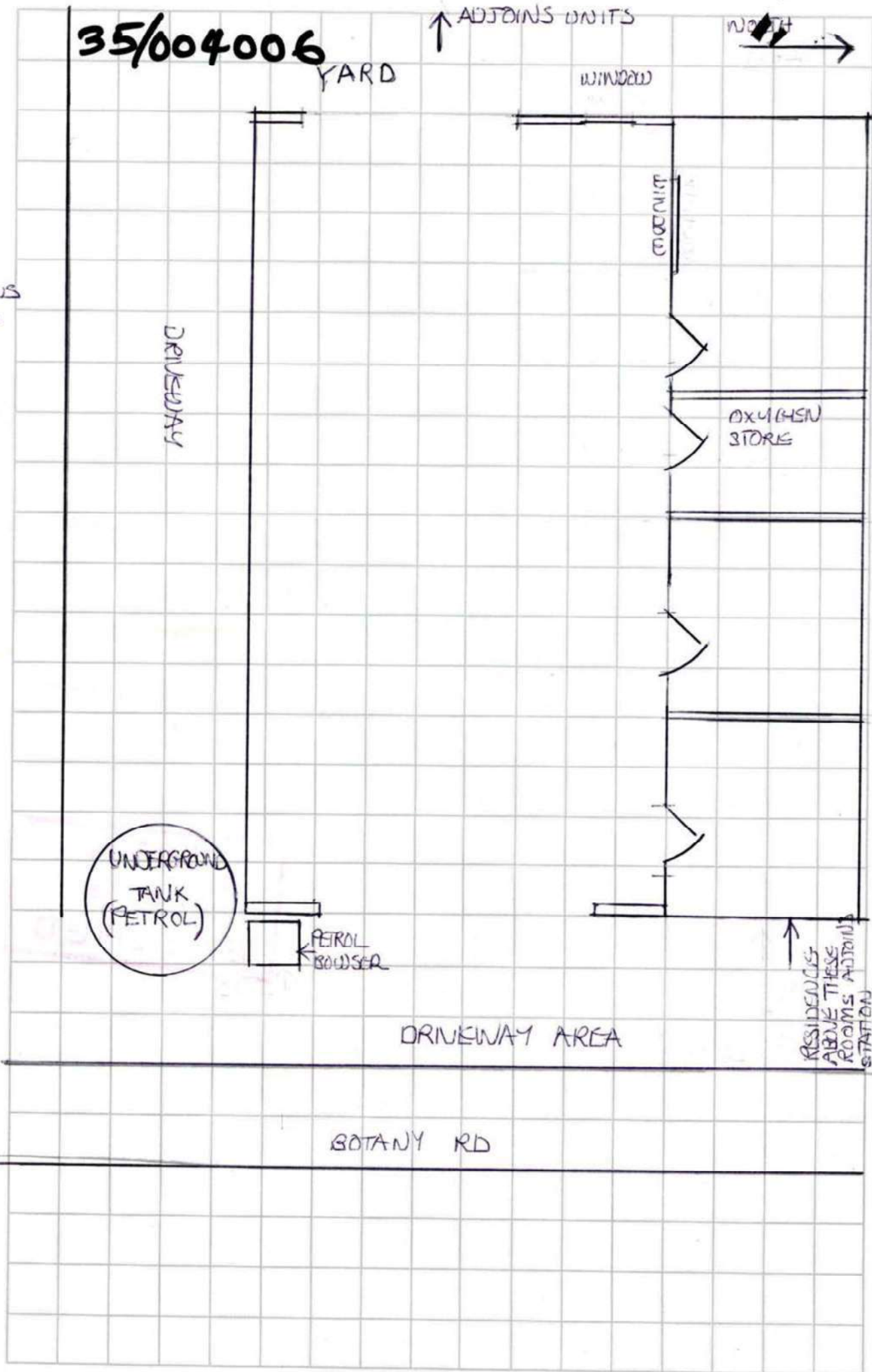
DRIVEWAY AREA

GOTANY RD

↑
RESIDENCES
ABOVE THESE
ROOMS ADJOINING
STATION

Site Sketch

Please carefully read the instructions in Part B of the guide before sketching the site.



APPLICATION FOR:

REGISTRATION OF PREMISES
STORE LICENCE
AMENDMENT TO REGISTRATION OR LICENCEFOR THE KEEPING OF
INFLAMMABLE LIQUID
AND/OR DANGEROUS GOODS.

6

Name of Occupier
in fullHEALTH COMMISSION OF N.S.W. - CENTRAL DISTRICT
(Surname/s) (First Names in full)

Trading Name (if any)

Postal Address

Box C39, P.O., CLARENCE STREET

Postcode 2000

Address of the
premises in which the
depot or depots are
situatedAmbulance Station,
776 Botany Road, MASCOT

Postcode 2020

Occupation

ambulance service

Nature of Premises

ambulance station

Particulars of construction of depots and maximum quantities of inflammable liquid and/or dangerous goods to be kept at any one time.

PLEASE SKETCH SITE ON BACK OR ATTACH PLAN

Tank or Depot Number	Construction of depots *			Inflammable Liquid		Dangerous Goods						
	Walls	Roof	Floor	Mineral spirit litres	Mineral oil litres	Class 1 litres	Class 2 litres	Class 3 kg	Class 4 m ³	Class 5A litres	Class 5B litres	Class 9 litres
1	Underground Tank			2500								
2												
3												
4												
5												
6												
7												
8												
9												
10												
TOTAL												

* If kept in tanks describe depots as underground or aboveground tanks.

Insert water capacity of tanks or cylinders.

Name of Company supplying inflammable liquid

Have premises previously been licensed?

YES

Licence No. "A" 4006 - 6

If known, state name of previous occupier. NSW Ambulance Transport Service- Central District

Signature of applicant

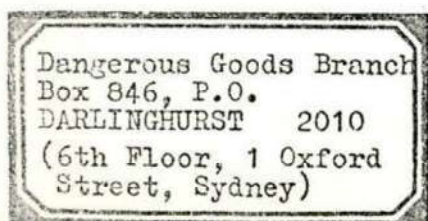
Date

FOR OFFICE USE ONLY:

Insp.
Metrop

CERTIFICATE OF INSPECTION

I, Leif E. Brooks being an Inspector under the Inflammable Liquid Act, 1915, do hereby certify that the premises or store described above does comply with the requirements of that Act and regulations with regard to its situation and construction for the keeping of inflammable liquid and/or dangerous goods in quantity and nature specified.



Signature of Inspector

Date

INFLAMMABLE LIQUID ACT, 1915 (AS AMENDED)

Application for Registration of Premises or Store License under Division C or for the transfer, alteration or amendment of any such Registration or License, for the keeping of Inflammable Liquid and/or Dangerous Goods, in accordance with the provisions of the Inflammable Liquid Act, 1915 (as amended), for the ensuing year 31.5.62

EXPLANATORY

Inflammable Liquid—

Mineral Oil—includes kerosene, mineral turpentine and white spirit (for cleaning), and compositions containing same.
Mineral Spirit—includes petrol, benzene, benzolene, benzol and naphtha, and compositions containing same.

Dangerous Goods—

- Class 1.—Acetone, amyl acetate, butyl acetate, carbon bisulphide; any combination of substances of an inflammable character suitable for use as an industrial solvent and having a true flashing point of less than 73 degrees Fahrenheit.
Class 2.—Nitro-cellulose (also known as "pyroxylin" and "collodion cotton") moistened with an alcohol, butyl alcohol (also known as "butanol"), methylated spirits, vegetable turpentine; and any liquid or solid containing methylated spirits, having a true flashing point of less than 150 degrees Fahrenheit.
Class 3.—Nitro-cellulose product.
Class 4.—Compressed or dissolved acetylene contained in a porous substance.

DIRECTIONS

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, No. 16 Grosvenor Street, Sydney (Box 48, G.P.O.), and must be accompanied by the prescribed fee, as set out hereunder:—

Registration of Premises (Fee £1 10s. 0d. p.a.).—For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept in separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.

In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil.

Store License, Div. A (Fee, £3 5s. 0d. p.a.).—For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1 and 2.

Store License, Div. B (Fees, See Regulation 7).—For quantities exceeding 4,000 gallons of mineral and/or mineral spirit, and/or dangerous goods of Classes 1 and 2, and/or dangerous goods of Class 3.

For the keeping of Dangerous Goods of Classes 3 and/or 4. (£7 10s. 0d. p.a.).

2. The certificate of inspection at foot hereof must be signed by an Inspector under the Inflammable Liquid Act, 1915 (as amended), or Police Officer, or other officer duly authorised in that behalf, and where the premises are situated outside the Metropolitan Area of Sydney, it is requested that such certificate be obtained prior to forwarding application.

1. Name in full of occupier
2. Occupation
3. Locality of the premises in which the depot or depots are situated
4. Nature of premises (Dwelling, Garage, Store, etc.)
5. Will mineral spirit be kept in a prescribed underground tank depot?

CENTRAL DISTRICT AMBULANCE SERVICE,

Ambulance Transport,

No. or Name 776,

Street Botany Road,

Town MASCOT.

Ambulance Station.

6. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

Depot No.	Construction of Depots			Inflammable Liquid		Dangerous Goods			
	Walls	Roof	Floor	Mineral Spirit Gallons	Mineral Oil Gallons	Class 1 Gallons	Class 2 Gallons	Class 3 lb.	Class 4 cub. ft.
1	underground tank			500					
2									
3									
4									
5									
6									
7									
8									
9									
10									

Signature of Applicant *on letter dated 27.5.62*

Date of Application 19

Postal Address *is to the effect of Form B*

CERTIFICATE OF INSPECTION

I, _____ being an Inspector under the Inflammable Liquid Act, 1915 (as amended), do hereby certify that the premises or store herein referred to and described is suitable with regard to its situation and construction for the safe keeping of inflammable liquid and/or dangerous goods in quantity and nature specified.

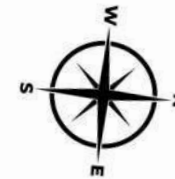
Place _____

Signature of Inspector _____

Date _____

[PLEASE TURN OVER]

APPENDIX G – STS Geotechnics Data



	Latitude (WGA84)	Longitude (WGA84)	Approx- imate Surface RL (m)
BH1	33.925271 347 S ^o	151.194771 732 E ^o	8.022
BH2	33.925104 803 S ^o	151.195018 428 E ^o	8.200
BH3	33.924806 412 S ^o	151.194890 642 E ^o	8.205
BH4	33.925353 044 S ^o	151.195235 940 E ^o	8.385
BH5	33.924973 511 S ^o	151.195465 3313 E ^o	8.283

Base map taken from MetroMaps. Groundwater monitoring wells installed in BH1 and BH5



14/1 Cowpasture Place, Wetherill Park, NSW 2164, Australia
(PO Box 6989, Wetherill Park, NSW 2164, Australia)
T +61 2 9756 2166 | F +61 2 9756 1137
www.stsgeo.com.au | enquiries@stsgeo.com.au
ABN 45 636 179 729 | ACN 636 179 729

Borehole Locations

Client:	Homes NSW	Project No.	32630/8546D-G	Date:	10/04/2024
Site Address:	776, 792—794 Botany Road, 33—37 Henry Kendall Crescent, Mascot	Drawing No.	24/0856	Scale:	Not to Scale
Work:	Geotechnical Investigation	Revision No.	0		

INTRODUCTION

These notes have been provided to outline the methodology and limitations inherent in geotechnical reporting. The issues discussed are not relevant to all reports and further advice should be sought if there are any queries regarding any advice or report. When copies of reports are made, they should be reproduced in full.

GEOTECHNICAL REPORTS

Geotechnical reports are prepared by qualified personnel on the information supplied or obtained and are based on current engineering standards of interpretation and analysis.

Information may be gained from limited subsurface testing, surface observations, previous work and is supplemented by knowledge of the local geology and experience of the range of properties that may be exhibited by the materials present. For this reason, geotechnical reports should be regarded as interpretative rather than factual documents, limited to some extent by the scope of information on which they rely.

Where the report has been prepared for a specific purpose (eg. design of a three-storey building), the information and interpretation may not be appropriate if the design is changed (eg. a twenty storey building). In such cases, the report and the sufficiency of the existing work should be reviewed by STS Geotechnics Pty Limited in the light of the new proposal.

Every care is taken with the report content, however, it is not always possible to anticipate or assume responsibility for the following conditions:

- Unexpected variations in ground conditions. The potential for this depends on the amount of investigative work undertaken.
- Changes in policy or interpretation by statutory authorities.
- The actions of contractors responding to commercial pressures.

If these occur, STS Geotechnics Pty Limited would be pleased to resolve the matter through further investigation, analysis or advice.

UNFORSEEN CONDITIONS

Should conditions encountered on site differ markedly from those anticipated from the information contained in the report, STS Geotechnics Pty Limited should be notified immediately. Early identification of site anomalies generally results in any problems being more readily resolved and allows re-interpretation and assessment of the implications for future work.

SUBSURFACE CONDITIONS

Logs of a borehole, recovered core, test pit, excavated face or cone penetration test are an engineering and/or geological interpretation of the subsurface conditions. The reliability of the logged information depends on the drilling/testing method, sampling and/or observation spacings and the ground conditions. It is not always possible or economic to obtain continuous high quality data. It should also be recognised that the volume or material observed or tested is only a fraction of the total subsurface profile.

Interpretation of subsurface information and application to design and construction must take into consideration the spacing of the test locations, the frequency of observations and testing, and the possibility that geological boundaries may vary between observation points.

Groundwater observations and measurements outside of specially designed and constructed piezometers should be treated with care for the following reasons:

- In low permeability soils groundwater may not seep into an excavation or bore in the short time it is left open.
- A localised perched water table may not represent the true water table.
- Groundwater levels vary according to rainfall events or season.
- Some drilling and testing procedures mask or prevent groundwater inflow.

The installation of piezometers and long term monitoring of groundwater levels may be required to adequately identify groundwater conditions.

SUPPLY OF GEOTECHNICAL INFORMATION OR TENDERING PURPOSES

It is recommended tenderers are provided with as much geological and geotechnical information that is available and that where there are uncertainties regarding the ground conditions, prospective tenders should be provided with comments discussing the range of likely conditions in addition to the investigation data.

APPENDIX A – BOREHOLE LOGS, CORE PHOTOGRAPHS, POINT LOAD TESTING RESULTS AND EXPLANATION SHEETS

BOREHOLE LOG

BH ID: BH1

Client	Homes NSW			Date	03 April 2024		
Job No.	32630/8546D-G			Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot			Location #	24/0856		
Drilling Contractor	Geosense Drilling Engineers		Surface RL	≈8.02 m (AHD)	Drill Bit	AD/T + WB	
Plant	Comacchio Geo 205		Inclination	90°	Hole Ø (mm)	100	

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
				TOPSOIL: Silty SAND: dark brown, fine to medium grained, with rootlets	-	-	-
	BH1_0.50-0.95 SPT 0.50-0.95 3,2,3 N=5	0.5		Silty SAND: grey, dark grey, fine to medium grained			
	BH1_1.50-1.95 SPT 1.50-1.95 1,1,2 N=3	1.0					M
		1.5					
		2.0		Becoming brown	SM		
		2.5				VL - L	
	BH1_3.00-3.45 SPT 3.00-3.45 2,2,1 N=3	3.0					
		3.5		Organic Sandy SILT: black, fine to medium grained, sulfurous odour	OM		
		4.0		Silty SAND: brown, orange, fine to medium grained			
	BH1_4.50-4.95 SPT 4.50-4.95 10,17,23 N=40	4.5					
		5.0					
		5.5					
		6.0					W
		6.5					
		7.0			SM	D	
	BH1_7.50-7.75 SPT 7.50-7.75 13,17/100 mm HB N=R	7.5		Becoming pale grey			
		8.0					
		8.5					
	BH1_9.00-9.45 SPT 9.00-9.45 5,20,8 HB N=28	9.0		Becoming brown			
		9.5					


Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH1

Client	Homes NSW			Date	03 April 2024	
Job No.	32630/8546D-G			Logged By	LL	Review By MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot			Location #	24/0856	
Drilling Contractor	Geosense Drilling Engineers	Surface RL	≈8.02 m (AHD)	Drill Bit	WB	
Plant	Comacchio Geo 205	Inclination	90°	Hole Ø (mm)	100	

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5		Silty SAND: brown, grey, fine to medium grained	SM	D	W
				Sandy CLAY: brown, low to medium plasticity	CL-CI	VSt - H	W > PL

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH1

Client	Homes NSW			Date	03 April 2024		
Job No.	32630/8546D-G			Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot			Location #	24/0856		
Drilling Contractor	Geosense Drilling Engineers		Surface RL	≈8.02 m (AHD)	Drill Bit	WB	
Plant	Comacchio Geo 205		Inclination	90°	Hole Ø (mm)	100	

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		20.5		Sandy CLAY: brown, low to medium plasticity			
		21.0					
		21.5					
		22.0			CL-CI	VSt - H	W > PL
		22.5					
		23.0					
		23.5		Silty CLAY: high plasticity, grey			
		24.0					
		24.5					
		25.0					
		25.5					
		26.0					
		26.5			CH	VSt - H	W > PL
		27.0					
		27.5					
		28.0					
		28.5					
		29.0					
		29.5		Terminated at 29.50m. Refusal on Extremely Weathered Sandstone			

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample S - jar sample WT - level of water table or free water
U - undisturbed tube sample B - bulk sample N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH2

Client	Homes NSW	Date	09 April 2024	
Job No.	32630/8546D-G	Logged By	MT/EK	Review By MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856
Drilling Contractor	Terratest	Surface RL	≈8.20 m (AHD)	Drill Bit AD/T + WB
Plant	Comacchio Geo 305	Inclination	90°	Hole Ø (mm) 100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
				TOPSOIL: Silty SAND: dark brown, fine to medium grained, with rootlets	-	-	-
				Silty SAND: brown, fine to medium grained			
		0.5				L	M
		1.0					
		1.5					
		2.0					
		2.5					
		3.0					
		3.5					
		4.0			SM	L - MD	
		4.5					
		5.0					
		5.5					
		6.0					
		6.5					
		7.0					
		7.5					
		8.0				D	
		8.5					
		9.0					
		9.5					

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH2

Client	Homes NSW	Date	09 April 2024
Job No.	32630/8546D-G	Logged By	MT/EK
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot	Review By	MT
Drilling Contractor	Terratest	Location #	24/0856
Plant	Comacchio Geo 305	Surface RL	≈8.20 m (AHD)
		Drill Bit	WB
		Inclination	90°
		Hole Ø (mm)	100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		10.5		Silty SAND: brown, fine to medium grained			
		11.0					
		11.5					
		12.0					
		12.5					
		13.0					
		13.5					
		14.0					
		14.5					
		15.0			SM	D	W
		15.5					
		16.0					
		16.5					
		17.0					
		17.5					
		18.0					
		18.5					
		19.0					
		19.5					

Notes: See explanation sheets for meaning of all descriptive terms and symbols

BOREHOLE LOG

BH ID: BH2

Client	Homes NSW	Date	09 April 2024
Job No.	32630/8546D-G	Logged By	MT/EK
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot	Review By	MT
Drilling Contractor	Terratest	Location #	24/0856
Plant	Comacchio Geo 305	Surface RL	≈8.20 m (AHD)
		Drill Bit	WB
		Inclination	90°
		Hole Ø (mm)	100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		20.5		Sandy CLAY: yellow brown, medium plasticity			
		21.0					
		21.5					
		22.0					
		22.5					
		23.0			CI	VSt - H	M > PL
		23.5					
		24.0					
		24.5					
		25.0					
		25.5					
		26.0		Silty CLAY: grey brown, high plasticity, very high resistance during drilling			
		26.5					
		27.0			CH	VSt - H	M>PL
		27.5					
		28.0					
		28.5					
		29.0		Continued as cored log on next page			
		29.5					

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample S - jar sample WT - level of water table or free water
U - undisturbed tube sample B - bulk sample N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH2

Client	Homes NSW	Date	09 April 2024	
Job No.	32630/8546D-G	Logged By	MT/EK	Review By MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856
Drilling Contractor	Terratest	Surface RL	≈8.20 m (AHD)	Drill Bit WB
Plant	Comacchio Geo 305	Inclination	90°	Hole Ø (mm) 100

METHOD	FLUSH RETURN	TCR %	RQD %	DEPTH (m)	GRAPHIC LOG	RL (m AHD)	MATERIAL DESCRIPTION	WEATHERING	ESTIMATED STRENGTH Is(50) ▼ - Axial ▽ - Diametral	DISCONTINUITIES & ADDITIONAL DATA	FRACTURE SPACING
				20			Log continued from previous page.		VL 0-1 L 0-3 M 1 H 3 VH 10 EH		30 100 300 1000 3000
				21							
				22							
				23							
				24							
				25							
				26							
				27							
				28							
				29			Started coring at 28.7m EXTREMELY WEATHERED SANDSTONE: recovered as silty clay, grey, high plasticity, with fine to medium grained sand				
	100% Water			30							

BOREHOLE LOG

BH ID: BH2

Client	Homes NSW	Date	09 April 2024	
Job No.	32630/8546D-G	Logged By	MT/EK	Review By MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856
Drilling Contractor	Terratest	Surface RL	≈8.20 m (AHD)	Drill Bit WB
Plant	Comacchio Geo 305	Inclination	90°	Hole Ø (mm) 100

METHOD	FLUSH RETURN	TCR %	RQD %	DEPTH (m)	GRAPHIC LOG	RL (m AHD)	MATERIAL DESCRIPTION	WEATHERING	ESTIMATED STRENGTH Is(50)	DISCONTINUITIES & ADDITIONAL DATA	FRACTURE SPACING
									VL ₀₋₁ L ₀₋₃ M ₁ H ₃ VH ₁₀ EH		
NMLC	100% Water	100	0	30.00		21.80	SANDSTONE: pale grey, brown, fine to medium grained	XW			
				31							
				32							
				32.20		24.00	SANDSTONE: brown, fine to medium grained, medium to thickly bedded	DW - XW		32.56: BP PR RO	
		100	66	33						32.90-32.97: XWS 33.05: JT 40° PR RO	
				34				FR - DW		33.74: BP CU RO 33.77: JT 30° PR RO 34.04-34.12: XWS	
				34.48		26.30	Terminated at 34.50m.			34.48: BP PR RO	
				35							
				36							
				37							
				38							
				39							
				40							

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample
U - undisturbed tube sample
S - jar sample
B - bulk sample
WT - level of water table or free water
N - Standard Penetration Test (SPT)

CORE PHOTOGRAPH OF BOREHOLE: BH2

Job No.	32630/8546D-G	East	33.925104803 S ^o	Contractor	Terratest		
Location	776, 792 – 794 Botany Road, 33 – 37 Henry Kendall Crescent, Mascot	North	151.195018428 E ^o	Drill Rig	Commachio Geo 305		
Client	Homes NSW	Surface RL	8.200 m	Logger	MT/EK	Date	09/04/2024



BOREHOLE LOG

BH ID: BH3

Client	Homes NSW	Date	10 April 2024	
Job No.	32630/8546D-G	Logged By	MT/EK	Review By MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot			Location # 24/0856
Drilling Contractor	Terratest	Surface RL	≈8.20 m (AHD)	Drill Bit AD/T + WB
Plant	Comacchio Geo 305	Inclination	90°	Hole Ø (mm) 100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
				TOPSOIL: Silty SAND: dark brown, fine to medium grained, with rootlets	-	-	-
				Silty SAND: brown, fine to medium grained	SM	L	M
				Silty SAND: yellow brown, fine to medium grained, trace of clay			
						L - MD	
					SM		W
						D	

BH3_6.00-6.45
SPT 6.00-6.45
11,17,25 N=42


Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample
U - undisturbed tube sample
S - jar sample
B - bulk sample
WT - level of water table or free water
N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH3

Client	Homes NSW	Date	10 April 2024
Job No.	32630/8546D-G	Logged By	MT/EK
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot	Review By	MT
Drilling Contractor	Terratest	Location #	24/0856
Plant	Comacchio Geo 305	Surface RL	≈8.20 m (AHD)
		Drill Bit	WB
		Inclination	90°
		Hole Ø (mm)	100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
	BH3 12.00-12.45 SPT 12.00-12.45 10,19,29 N=48	10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5		Silty SAND: yellow brown, fine to medium grained, trace of clay	SM	D	W

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH3

Client	Homes NSW	Date	10 April 2024
Job No.	32630/8546D-G	Logged By	MT/EK
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot	Review By	MT
Drilling Contractor	Terratest	Location #	24/0856
Plant	Comacchio Geo 305	Surface RL	≈8.20 m (AHD)
		Drill Bit	WB
		Inclination	90°
		Hole Ø (mm)	100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		20.5		Silty SAND: yellow brown, fine to medium grained, trace of clay		D	W
		21.0					
		21.5		Sandy CLAY: medium plasticity, grey brown, very high resistance during drilling	CI		
		22.0					
		22.5					
		23.0		Silty CLAY: high plasticity, dark grey			
		23.5					
		24.0					
		24.5				VSt - H	M > PL
		25.0					
		25.5			CH		
		26.0					
		26.5					
		27.0					
		27.5					
		28.0		Continued as cored log on next page.			
		28.5					
		29.0					
		29.5					

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH3

Client	Homes NSW	Date	10 April 2024
Job No.	32630/8546D-G	Logged By	MT/EK
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot	Review By	MT
Drilling Contractor	Terratest	Location #	24/0856
Plant	Comacchio Geo 305	Surface RL	≈8.20 m (AHD)
		Drill Bit	WB
		Inclination	90°
		Hole Ø (mm)	100

METHOD	FLUSH RETURN	TCR %	RQD %	DEPTH (m)	GRAPHIC LOG	RL (m AHD)	MATERIAL DESCRIPTION	WEATHERING	ESTIMATED STRENGTH Is(50) ▼ - Axial ▽ - Diametral	DISCONTINUITIES & ADDITIONAL DATA	FRACTURE SPACING
				20			Log continued from previous page.		VL 0-1 L 0-3 M 1 H 3 VH 10 EH		30 100 300 1000 3000
				21							
				22							
				23							
				24							
				25							
				26							
				27							
				28			Started coring at 27.7m				
				28.50			Sandy CLAY: high plasticity, grey, sand is fine to medium grained				
	100% Water	100	0	29			EXTREMELY WEATHERED SANDSTONE: brown grey, fine to medium grained	XW			
				30							

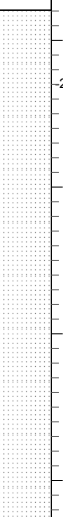
Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample
U - undisturbed tube sample
S - jar sample
B - bulk sample
WT - level of water table or free water
N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH3

Client	Homes NSW	Date	10 April 2024		
Job No.	32630/8546D-G	Logged By	MT/EK	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856	
Drilling Contractor	Terratest	Surface RL	≈8.20 m (AHD)	Drill Bit	WB
Plant	Comacchio Geo 305	Inclination	90°	Hole Ø (mm)	100

METHOD	FLUSH RETURN	TCR %	RQD %	DEPTH (m)	GRAPHIC LOG	RL (m AHD)	MATERIAL DESCRIPTION	WEATHERING	ESTIMATED STRENGTH Is(50)	DISCONTINUITIES & ADDITIONAL DATA	FRACTURE SPACING
									VL ₀₋₁ L ₀₋₃ M ₁ H ₃ VH ₁₀ EH		30 100 300 1000 3000
NMLC	100% Water	100	0	30.50		22.30	EXTREMELY WEATHERED SANDSTONE: grey, fine to medium grained	XW			
		100	84	33.50		25.30	SANDSTONE: pale grey, brown, fine to medium grained, some iron staining, very thinly bedded to thickly bedded	FR - DW		33.60: BP PR RO 33.70: BP PR RO 33.88: BP 20° PR RO 34.94: BP 20° CU RO	
				36.00		27.80	Terminated at 36.00m.				

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample S - jar sample WT - level of water table or free water
 U - undisturbed tube sample B - bulk sample N - Standard Penetration Test (SPT)

CORE PHOTOGRAPH OF BOREHOLE: BH3

Job No.	32630/8546D-G	Latitude	33.924806412 S ^o	Contractor	Terratest		
Location	776, 792 – 794 Botany Road, 33 – 37 Henry Kendall Crescent, Mascot	Longitude	151.194890642 E ^o	Drill Rig	Commachio Geo 305		
Client	Homes NSW	Surface RL	8.205 m	Logger	MT	Date	10/04/2024



BOREHOLE LOG

BH ID: BH4

Client	Homes NSW	Date	05 April 2024		
Job No.	32630/8546D-G	Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856	
Drilling Contractor	Geosense Drilling Engineers	Surface RL	≈8.38 m (AHD)	Drill Bit	AD/T + WB
Plant	Comacchio Geo 205	Inclination	90°	Hole Ø (mm)	100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
	D (0.40-0.50)	0.5		TOPSOIL: Silty SAND: dark brown, fine to medium grained, with rootlets	-	-	
	BH2_1.50-1.95 SPT 1.50-1.95 0,0,1 N=1	1.0		Silty SAND: dark brown, fine to medium grained			M
		1.5		Becoming grey			
		2.0		Becoming brown		VL	
	BH2_3.00-3.45 SPT 3.00-3.45 3,3,4 N=7	2.5			SM		
		3.0		Silty SAND: reddish brown, fine to medium grained, sulfurous odour			
		3.5				L	
	BH2_4.50-4.95 SPT 4.50-4.95 15,16,19 N=35	4.0			SM		
		4.5					
	BH2_6.00-6.26 SPT 6.00-6.26 17,26/110 mm HB N=R	5.0		Silty SAND: brown, fine to medium grained			
		5.5					
		6.0				D	
		6.5					
	BH2_7.50-7.80 SPT 7.50-7.80 13,27/150 mm HB N=R	7.0			SM		
		7.5					
		8.0					
		8.5					
		9.0		Clayey SAND: brown, fine to medium grained			
		9.5			SC	D	

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample
U - undisturbed tube sample
S - jar sample
B - bulk sample
WT - level of water table or free water
N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH4

Client	Homes NSW			Date	05 April 2024		
Job No.	32630/8546D-G			Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot			Location #	24/0856		
Drilling Contractor	Geosense Drilling Engineers		Surface RL	≈8.38 m (AHD)	Drill Bit	WB	
Plant	Comacchio Geo 205		Inclination	90°	Hole Ø (mm)	100	

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		10.5					
		11.0					
		11.5					
		12.0		Silty SAND: brown, fine to medium grained			
		12.5					
		13.0					
		13.5					
		14.0					
		14.5					
		15.0			SM	D	W
		15.5					
		16.0					
		16.5					
		17.0					
		17.5					
		18.0					
		18.5					
		19.0					
		19.5					

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH4

Client	Homes NSW			Date	05 April 2024		
Job No.	32630/8546D-G			Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot			Location #	24/0856		
Drilling Contractor	Geosense Drilling Engineers		Surface RL	≈8.38 m (AHD)	Drill Bit	AD/T + WB	
Plant	Comacchio Geo 205		Inclination	90°	Hole Ø (mm)	100	

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		20.5					
		21.0					
		21.5		Sandy CLAY: medium plasticity, brown, high resistance to drilling	CI	VSt - H	
		22.0					
		22.5					
		23.0		Silty CLAY: medium to high plasticity, grey			
		23.5					
		24.0					
		24.5					
		25.0					W > PL
		25.5					
		26.0					
		26.5			CI-CH	VSt - H	
		27.0					
		27.5					
		28.0					
		28.5					
		29.0					
		29.5					
				Terminated at 30.00m. Refusal on Extremely Weathered Sandstone.			

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH5

Client	Homes NSW			Date	08 April 2024		
Job No.	32630/8546D-G			Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot			Location #	24/0856		
Drilling Contractor	Geosense Drilling Engineers		Surface RL	≈8.28 m (AHD)	Drill Bit	AD/T + WB	
Plant	Comacchio Geo 205		Inclination	90°	Hole Ø (mm)	100	

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		0.5		TOPSOIL: Silty SAND: dark brown, fine to medium grained	-	-	-
		1.0		Silty SAND: brown, fine to medium grained			M
		1.5					
		2.0					
		2.5					
		3.0					
		3.5					
		4.0					
		4.5					
		5.0					
		5.5			SM		
		6.0					
		6.5					
		7.0					
		7.5					
		8.0					
		8.5					
		9.0					
		9.5					

BH5_6.00-6.45
SPT 6.00-6.45
8,16,18 N=34

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample
U - undisturbed tube sample
S - jar sample
B - bulk sample
WT - level of water table or free water
N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH5

Client	Homes NSW	Date	08 April 2024		
Job No.	32630/8546D-G	Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856	
Drilling Contractor	Geosense Drilling Engineers	Surface RL	≈8.28 m (AHD)	Drill Bit	WB
Plant	Comacchio Geo 205	Inclination	90°	Hole Ø (mm)	100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		10.5		Silty SAND: brown, fine to medium grained			
		11.0		Becoming black			
		11.5					
		12.0					
		12.5					
		13.0		Becoming brown			
		13.5					
		14.0			SM	D	W
		14.5					
		15.0					
		15.5					
		16.0		Becoming black			
		16.5					
		17.0					
		17.5					
		18.0		Clayey SAND: brown, fine to medium grained			
		18.5					
		19.0			SC		
		19.5					

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample S - jar sample WT - level of water table or free water
U - undisturbed tube sample B - bulk sample N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH5

Client	Homes NSW	Date	08 April 2024		
Job No.	32630/8546D-G	Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856	
Drilling Contractor	Geosense Drilling Engineers	Surface RL	≈8.28 m (AHD)	Drill Bit	WB
Plant	Comacchio Geo 205	Inclination	90°	Hole Ø (mm)	100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		20.5		Sandy CLAY: medium plasticity, brown			
		21.0					
		21.5					
		22.0					
		22.5					
		23.0					
		23.5					
		24.0					
		24.5					
		25.0			CI	Vst - H	M > PL
		25.5					
		26.0					
		26.5					
		27.0					
		27.5					
		28.0					
		28.5					
		29.0					
		29.5					

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH5

Client	Homes NSW	Date	08 April 2024		
Job No.	32630/8546D-G	Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856	
Drilling Contractor	Geosense Drilling Engineers	Surface RL	≈8.28 m (AHD)	Drill Bit	WB
Plant	Comacchio Geo 205	Inclination	90°	Hole Ø (mm)	100

GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	CLASSIFICATION SYMBOL	CONSISTENCY / REL. DENSITY	MOISTURE CONDITION
		30.5 31.0 31.5 32.0 32.5 33.0 33.5 34.0		EXTREMELY WEATHERED SANDSTONE: grey brown, fine to medium grained, recovered as clayey sand	-		M > PL
		34.5 35.0 35.5 36.0 36.5 37.0 37.5 38.0 38.5 39.0 39.5		Continued as cored log on next page.			

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample	S - jar sample	WT - level of water table or free water
U - undisturbed tube sample	B - bulk sample	N - Standard Penetration Test (SPT)

BOREHOLE LOG

BH ID: BH5

Client	Homes NSW	Date	08 April 2024		
Job No.	32630/8546D-G	Logged By	LL	Review By	MT
Address	776, 792 - 794 Botany Road, 33 - 37 Kendall Crescent, Mascot		Location #	24/0856	
Drilling Contractor	Geosense Drilling Engineers	Surface RL	≈8.28 m (AHD)	Drill Bit	WB
Plant	Comacchio Geo 205	Inclination	90°	Hole Ø (mm)	100

METHOD	FLUSH RETURN	TCR %	RQD %	DEPTH (m)	GRAPHIC LOG	RL (m AHD)	MATERIAL DESCRIPTION	WEATHERING	ESTIMATED STRENGTH Is(50) ▼ - Axial ▽ - Diametral	DISCONTINUITIES & ADDITIONAL DATA	FRACTURE SPACING
				30			Log continued from previous page.		VL 0-1 L 0-3 M 1 H 3 VH 10 EH		30 100 300 1000 3000
				31							
				32							
				33							
				34			Started coring at 34m				
NMLC	100% Water	100	100	34			SANDSTONE: pale brown, medium to coarse grained				
				35				FR	▼	35.02: BP PR RO 35.13: BP PR RO 35.32: BP PR RO 35.40: BP PR RO	
				36					▼		
				37					▼	36.92: BP PR RO	
				37.14		-28.86	Terminated at 37.14m.				
				38							
				39							
				40							

Notes: See explanation sheets for meaning of all descriptive terms and symbols

D - disturbed sample S - jar sample WT - level of water table or free water
U - undisturbed tube sample B - bulk sample N - Standard Penetration Test (SPT)

CORE PHOTOGRAPH OF BOREHOLE: BH5

Job No.	32630/8546D-G	East	33.924973511 S ^o	Contractor	Geosense Drilling Engineers		
Location	776, 792 – 794 Botany Road, 33 – 37 Henry Kendall Crescent, Mascot	North	151.1954653313 E ^o	Drill Rig	Commachio Geo 205		
Client	Homes NSW	Surface RL	8.283 m	Logger	LL	Date	07-08/04/2024



Point Load Strength Index Report

Project: 776, 792-794 BOTANY ROAD, 33-37 HENRY KENDALL CRESCENT, MASCOT

Client: HOMES NSW

Address: 4 Parramatta Square, Darcy Street, Parramatta

Test Method: AS4133.4.1

Sampling Procedure: AS 1289.1.2.1 Clause 6.5.3 - Power Auger Drilling (Not covered under NATA Scope of Accreditation)

Project No.: 32630/8546D-G

Report No.: 24/0896

Report Date: 15/04/2024

Page: 1 of 2

Borehole / Sample No.	Depth (m)	Date Sampled	Date Tested	Test Type	Is (MPa)	Is ₍₅₀₎ (MPa)	Rock Type	Failure Type	Moisture
BH2	28.75	09/04/2024	11/04/2024	D	0.068	0.069	YS	3	M
BH2	28.75	09/04/2024	11/04/2024	A	0.037	0.037	YS	3	M
BH2	29.75	09/04/2024	11/04/2024	D	0.076	0.077	YS	3	M
BH2	29.75	09/04/2024	11/04/2024	A	0.043	0.045	YS	3	M
BH2	30.20	09/04/2024	11/04/2024	D	0.093	0.095	YS	3	M
BH2	30.20	09/04/2024	11/04/2024	A	0.088	0.09	YS	3	M
BH2	31.60	09/04/2024	11/04/2024	D	0.045	0.046	YS	3	M
BH2	31.60	09/04/2024	11/04/2024	A	0.04	0.04	YS	3	M
BH2	32.20	09/04/2024	11/04/2024	D	0.098	0.099	SS	3	M
BH2	32.20	09/04/2024	11/04/2024	A	0.079	0.08	SS	3	M
BH2	32.74	09/04/2024	11/04/2024	D	0.053	0.054	SS	3	W
BH2	32.74	09/04/2024	11/04/2024	A	0.054	0.054	SS	3	W
BH2	33.20	09/04/2024	11/04/2024	D	0.49	0.5	SS	3	M
BH2	33.20	09/04/2024	11/04/2024	A	0.65	0.66	SS	3	M
BH2	34.42	09/04/2024	11/04/2024	D	0.63	0.64	SS	3	W
BH2	34.42	09/04/2024	11/04/2024	A	0.71	0.73	SS	3	M
BH3	27.70	10/04/2024	12/04/2024	D	0.034	0.035	ST	3	M
BH3	27.70	10/04/2024	12/04/2024	A	0.028	0.03	ST	3	M
BH3	28.49	10/04/2024	12/04/2024	D	0.079	0.08	ST	3	D
BH3	28.49	10/04/2024	12/04/2024	A	0.055	0.058	ST	3	D
BH3	29.18	10/04/2024	12/04/2024	D	0.067	0.068	ST	3	D
BH3	29.18	10/04/2024	12/04/2024	A	0.093	0.097	ST	3	D
BH3	30.73	10/04/2024	12/04/2024	D	0.096	0.098	ST	3	D
BH3	30.73	10/04/2024	12/04/2024	A	0.069	0.07	ST	3	D
BH3	31.44	10/04/2024	12/04/2024	D	0.076	0.078	ST	3	D
BH3	31.44	10/04/2024	12/04/2024	A	0.074	0.076	ST	3	D
BH3	32.44	10/04/2024	12/04/2024	D	0.048	0.049	ST	3	D
BH3	32.44	10/04/2024	12/04/2024	A	0.046	0.047	ST	3	D
BH3	33.29	10/04/2024	12/04/2024	D	0.051	0.052	ST	3	D

Failure Type

- 1 = Fracture through bedding or weak plane
- 2 = Fracture along bedding
- 3 = Fracture through rock mass
- 4 = Fracture influenced by natural defect or drilling
- 5 = Partial fracture or chip (invalid result)

Remarks:

Test Type

- A = Axial
- D = Diametrial
- I = Irregular
- C = Cube

Moisture Condition

- W = Wet
- M = Moist
- D = Dry

Rock Type

- SS = Sandstone
- ST = Siltstone
- SH = Shale
- YS = Claystone
- IG = Igneous

Approved Signatory.....

Mrigesh Tamang

Technician: DC

EXPLANATION OF NOTES, ABBREVIATIONS & TERMS USED ON BOREHOLE AND TEST PIT LOGS

DRILLING/EXCAVATION METHOD





HA	Hand Auger	ADH	Hollow Auger	NQ	Diamond Core - 47 mm
DT	Diatube Coring	RT	Rotary Tricone bit	NMLC	Diamond Core - 52 mm
NDD	Non-destructive digging	RAB	Rotary Air Blast	HQ	Diamond Core - 63 mm
AD*	Auger Drilling	RC	Reverse Circulation	HMLC	Diamond Core - 63 mm
*V	V-Bit	PT	Push Tube	EX	Tracked Hydraulic Excavator
*T	TC-Bit, e.g. AD/T	WB	Washbore	HAND	Excavated by Hand Methods

PENETRATION RESISTANCE

L	Low Resistance	Rapid penetration/ excavation possible with little effort from equipment used.
M	Medium Resistance	Penetration/ excavation possible at an acceptable rate with moderate effort from equipment used.
H	High Resistance	Penetration/ excavation is possible but at a slow rate and requires significant effort from equipment used.
R	Refusal/Practical Refusal	No further progress possible without risk of damage or unacceptable wear to equipment used.

These assessments are subjective and are dependent on many factors, including equipment power and weight, condition of excavation or drilling tools and experience of the operator.

WATER

	 Standing Water Level	 Partial water loss
	 Water Seepage	 Complete Water Loss
GWNO	GROUNDWATER NOT OBSERVED - Observation of groundwater, whether present or not, was not possible due to drilling water, surface seepage or cave-in of the borehole/ test pit.	
GWNE	GROUNDWATER NOT ENCOUNTERED - Borehole/ test pit was dry soon after excavation. However, groundwater could be present in less permeable strata. Inflow may have been observed had the borehole/ test pit been left open for a longer period.	

SAMPLING AND TESTING

SPT	Standard Penetration Testing to AS1289.6.3.3 2004
4,7,11 N=18	4,7,11 = Blows per 150mm. N = Blows per 300mm penetration following a 150mm seating drive
30/80mm	Where practical refusal occurs, the blows and penetration for that interval are reported, N is not reported
RW	Penetration occurred under the rod weight only, N<1
HW	Penetration occurred under the hammer and rod weight only, N<1
HB	Hammer double bouncing on anvil, N is not reported
Sampling	
S1	Jar sample – number indicates sample number
D	Disturbed Sample
B	Bulk disturbed Sample
U50	Thin walled tube sample - number indicates nominal sample diameter in millimetres
Testing	
PP	Pocket Penetrometer test expressed as instrument reading in kPa
DCP	Dynamic Cone Penetrometer (AS1289.6.3.1 1997)
PSP	Perth Sand Penetrometer (AS1289.6.3.2 1997)

GEOLOGICAL BOUNDARIES

————— = Observed Boundary (Position known)	- - - - - = Observed Boundary (Position approximate)	- -? - -? - -? - = Boundary (Interpreted or inferred)
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ROCK CORE RECOVERY

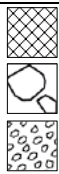
TCR = Total Core Recovery (%)

$$= \frac{\text{Length of core recovered}}{\text{Length of core run}} \times 100$$

RQD = Rock Quality Designation (%)

$$= \frac{\sum \text{Axial lengths of core} > 100\text{mm}}{\text{Length of core run}} \times 100$$

METHOD OF SOIL DESCRIPTION USED ON BOREHOLE AND TEST PIT LOGS



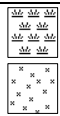
FILL



COUBLES or
BOULDERS



GRAVEL (GP or GW)



ORGANIC SOILS
(OL, OH or Pt)



SILT (ML or MH)

Combinations of these basic symbols may be used to indicate mixed materials such as sandy clay



CLAY (CL, CI or CH)



SAND (SP or SW)

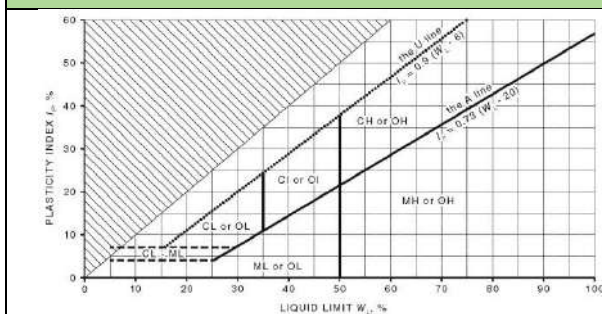
CLASSIFICATION AND INFERRED STRATIGRAPHY

Soil is broadly classified and described in Borehole and Test Pit Logs using the preferred method given in AS 1726:2017, Section 6.1 – Soil description and classification.

PARTICLE SIZE CHARACTERISTICS

Fraction	Components	Sub Division	Size mm
Oversize	BOULDERS		>200
	COBBLES		63 to 200
Coarse grained soil	GRAVEL	Coarse	19 to 63
		Medium	6.7 to 19
		Fine	2.36 to 6.7
	SAND	Coarse	0.6 to 2.36
		Medium	0.21 to 0.6
		Fine	0.075 to 0.21
Fine grained soil	SILT		0.002 to 0.075
	CLAY		<0.002

PLASTICITY PROPERTIES



GROUP SYMBOLS

Major Divisions	Symbol	Description
COARSE GRAINED SOILS More than 65% of soil excluding oversize fraction is greater than 0.075mm	GRAVEL More than 50% of coarse fraction is >2.36mm	GW Well graded gravel and gravel-sand mixtures, little or no fines, no dry strength.
		GP Poorly graded gravel and gravel-sand mixtures, little or no fines, no dry strength.
		GM Silty gravel, gravel-sand-silt mixtures, zero to medium dry strength.
		GC Clayey gravel, gravel-sand-clay mixtures, medium to high dry strength.
	SAND More than 50% of coarse fraction is <2.36 mm	SW Well graded sand and gravelly sand, little or no fines, no dry strength.
		SP Poorly graded sand and gravelly sand, little or no fines, no dry strength.
		SM Silty sand, sand-silt mixtures, zero to medium dry strength.
		SC Clayey sand, sandy-clay mixtures, medium to high dry strength.
	FINE GRAINED SOILS More than 35% of soil excluding oversized fraction is less than 0.075mm	ML Inorganic silts of low plasticity, very fine sands, rock flour, silty or clayey fine sands, zero to medium dry strength.
		CL, CI Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, medium to high dry strength.
		OL Organic silts and organic silty clays of low plasticity, low to medium dry strength.
		MH Inorganic silts of high plasticity, high to very high dry strength.
Highly Organic soil	CH	Inorganic clays of high plasticity, high to very high dry strength.
	OH	Organic clays of medium to high plasticity, medium to high dry strength.
	PT	Peat muck and other highly organic soils.

MOISTURE CONDITION

Symbol	Term	Description
D	Dry	Non- cohesive and free running.
M	Moist	Soils feel cool, darkened in colour. Soil tends to stick together.
W	Wet	Soils feel cool, darkened in colour. Soil tends to stick together, free water forms when handling.

Moisture content of cohesive soils shall be described in relation to plastic limit (PL) or liquid limit (LL) for soils with higher moisture content as follows: Moist, dry of plastic limit ($w < PL$); Moist, near plastic limit ($w \approx PL$); Moist, wet of plastic limit ($w < PL$); Wet, near liquid limit ($w \approx LL$); Wet, wet of liquid limit ($w > LL$).

CONSISTENCY

Symbol	Term	Undrained Shear Strength (kPa)	SPT "N" #
VS	Very Soft	≤ 12	≤ 2
S	Soft	>12 to ≤ 25	>2 to ≤ 4
F	Firm	>25 to ≤ 50	>4 to ≤ 8
St	Stiff	>50 to ≤ 100	>8 to ≤ 15
VSt	Very Stiff	>100 to ≤ 200	>15 to ≤ 30
H	Hard	>200	>30
Fr	Friable	-	-

DENSITY

Symbol	Term	Density Index %	SPT "N" #
VL	Very Loose	≤ 15	0 to 4
L	Loose	>15 to ≤ 35	4 to 10
MD	Medium Dense	>35 to ≤ 65	10 to 30
D	Dense	>65 to ≤ 85	30 to 50
VD	Very Dense	>85	Above 50

In the absence of test results, consistency and density may be assessed from correlations with the observed behaviour of the material. # SPT correlations are not stated in AS1726:2017, and may be subject to corrections for overburden pressure, moisture content of the soil, and equipment type.

MINOR COMPONENTS

Term	Assessment Guide	Proportion by Mass
Add 'Trace'	Presence just detectable by feel or eye but soil properties little or no different to general properties of primary component	Coarse grained soils: $\leq 5\%$ Fine grained soil: $\leq 15\%$
Add 'With'	Presence easily detectable by feel or eye but soil properties little or no different to general properties of primary component	Coarse grained soils: 5 - 12% Fine grained soil: 15 - 30%
Prefix soil name	Presence easily detectable by feel or eye in conjunction with the general properties of primary component	Coarse grained soils: $>12\%$ Fine grained soil: $>30\%$

CLASSIFICATION AND INFERRED STRATIGRAPHY

Rock is broadly classified and described in Borehole and Test Pit Logs using the preferred method given in AS1726 – 2017, Section 6.2 – Rock identification, description and classification.

ROCK MATERIAL STRENGTH CLASSIFICATION

Symbol	Term	Point Load Index, $Is_{(50)}$ (MPa) #	Field Guide
VL	Very Low	0.03 to 0.1	Material crumbles under firm blows with sharp end of pick; can be peeled with knife; too hard to cut a triaxial sample by hand. Pieces up to 30 mm can be broken by finger pressure.
L	Low	0.1 to 0.3	Easily scored with a knife; indentations 1 mm to 3 mm show in the specimen with firm blows of pick point; has dull sound under hammer. A piece of core 150 mm long by 50 mm diameter may be broken by hand. Sharp edges of core may be friable and break during handling.
M	Medium	0.3 to 1	Readily scored with a knife; a piece of core 150 mm long by 50 mm diameter can be broken by hand with difficulty.
H	High	1 to 3	A piece of core 150 mm long by 50 mm diameter cannot be broken by hand but can be broken with pick with a single firm blow; rock rings under hammer.
VH	Very High	3 to 10	Hand specimen breaks with pick after more than one blow; rock rings under hammer.
EH	Extremely High	>10	Specimen requires many blows with geological pick to break through intact material; rock rings under hammer.

Rock Strength Test Results



Point Load Strength Index, $Is_{(50)}$, Axial test (MPa)



Point Load Strength Index, $Is_{(50)}$, Diametral test (MPa)

Relationship between rock strength test result ($Is_{(50)}$) and unconfined compressive strength (UCS) will vary with rock type and strength, and should be determined on a site-specific basis. However UCS is typically $20 \times Is_{(50)}$.

ROCK MATERIAL WEATHERING CLASSIFICATION

Symbol	Term	Field Guide
RS	Residual Soil	Soil developed on extremely weathered rock; the mass structure and substance fabric are no longer evident; there is a large change in volume but the soil has not been significantly transported.
XW	Extremely Weathered	Rock is weathered to such an extent that it has soil properties - i.e. it either disintegrates or can be remoulded, in water.
DW	HW	Rock strength usually changed by weathering. The rock may be highly discoloured, usually by iron staining. Porosity may be increased by leaching, or may be decreased due to deposition of weathering products in pores. In some environments it is convenient to subdivide into Highly Weathered and Moderately Weathered, with the degree of alteration typically less for MW.
	MW	
SW	Slightly Weathered	Rock slightly discoloured but shows little or no change of strength relative to fresh rock.
FR	Fresh	Rock shows no sign of decomposition or staining.

ABBREVIATIONS AND DESCRIPTIONS FOR ROCK MATERIAL AND DEFECTS

CLASSIFICATION AND INFERRED STRATIGRAPHY

Rock is broadly classified and described in Borehole and Test Pit Logs using the preferred method given in AS1726 – 2017, Section 6.2 – Rock identification, description and classification.

DETAILED ROCK DEFECT SPACING

Defect Spacing			Bedding Thickness (Stratification)	
Spacing/width (mm)	Descriptor	Symbol	Term	Spacing (mm)
<20	Extremely Close	EC	Thinly laminated	<6
20-60	Very Close	VC	Laminated	6 – 20
60-200	Close	C	Very thinly bedded	20 – 60
200-600	Medium	M	Thinly bedded	60 – 200
600-2000	Wide	W	Medium bedded	200 – 600
2000-6000	Very Wide	VW	Thickly bedded	600 – 2,000
			Very thickly bedded	> 2,000

ABBREVIATIONS AND DESCRIPTIONS FOR DEFECT TYPES

Defect Type	Abbr.	Description
Joint	JT	Surface of a fracture or parting, formed without displacement, across which the rock has little or no tensile strength. May be closed or filled by air, water or soil or rock substance, which acts as cement.
Bedding Parting	BP	Surface of fracture or parting, across which the rock has little or no tensile strength, parallel or sub-parallel to layering/ bedding. Bedding refers to the layering or stratification of a rock, indicating orientation during deposition, resulting in planar anisotropy in the rock material.
Contact	CO	The surface between two types or ages of rock.
Sheared Surface	SSU	A near planar, curved or undulating surface which is usually smooth, polished or slickensided.
Sheared Seam/ Zone (Fault)	SS/SZ	Seam or zone with roughly parallel almost planar boundaries of rock substance cut by closely spaced (often <50 mm) parallel and usually smooth or slickensided joints or cleavage planes.
Crushed Seam/ Zone (Fault)	CS/CZ	Seam or zone composed of disoriented usually angular fragments of the host rock substance, with roughly parallel near-planar boundaries. The brecciated fragments may be of clay, silt, sand or gravel sizes or mixtures of these.
Extremely Weathered Seam/ Zone	XWS/XWZ	Seam of soil substance, often with gradational boundaries, formed by weathering of the rock material in places.
Infilled Seam	IS	Seam of soil substance, usually clay or clayey, with very distinct roughly parallel boundaries, formed by soil migrating into joint or open cavity.
Vein	VN	Distinct sheet-like body of minerals crystallised within rock through typically open-space filling or crack-seal growth.

NOTE: Defects size of <100mm SS, CS and XWS. Defects size of >100mm SZ, CZ and XWZ.

ABBREVIATIONS AND DESCRIPTIONS FOR DEFECT SHAPE AND ROUGHNESS

Shape	Abbr.	Description	Roughness	Abbr.	Description
Planar	PR	Consistent orientation	Polished	POL	Shiny smooth surface
Curved	CU	Gradual change in orientation	Slickensided	SL	Grooved or striated surface, usually polished
Undulating	UN	Wavy surface	Smooth	SM	Smooth to touch. Few or no surface irregularities
Stepped	ST	One or more well defined steps	Rough	RO	Many small surface irregularities (amplitude generally <1mm). Feels like fine to coarse sandpaper
Irregular	IR	Many sharp changes in orientation	Very Rough	VR	Many large surface irregularities, amplitude generally >1mm. Feels like very coarse sandpaper

Orientation:

Vertical Boreholes – The dip (inclination from horizontal) of the defect.

Inclined Boreholes – The inclination is measured as the acute angle to the core axis.

ABBREVIATIONS AND DESCRIPTIONS FOR DEFECT COATING

Coating	Abbr.	Description	Aperture	Abbr.	Description
Clean	CN	No visible coating or infilling	Closed	CL	Closed.
Stain	SN	No visible coating but surfaces are discoloured by staining, often limonite (orange-brown)	Open	OP	Without any infill material.
Veneer	VNR	A visible coating of soil or mineral substance, usually too thin to measure (< 1 mm); may be patchy	Infilled	-	Soil or rock i.e. clay, silt, talc, pyrite, quartz, etc.

APPENDIX B – LABORATORY TEST RESULTS



CERTIFICATE OF ANALYSIS

Work Order	: ES2413010	Page	: 1 of 2
Client	: STS Geotechnics	Laboratory	: Environmental Division Sydney
Contact	: ENQUIRES STS	Contact	: Customer Services ES
Address	: Unit 14/1 Cowpasture Place Wetherill Park 2164	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: 32630/8546D-R	Date Samples Received	: 22-Apr-2024 13:55
Order number	: 2024-154	Date Analysis Commenced	: 22-Apr-2024
C-O-C number	: ----	Issue Date	: 23-Apr-2024 16:35
Sampler	: IS		
Site	: ----		
Quote number	: EN/222		
No. of samples received	: 5		
No. of samples analysed	: 5		



This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
 LOR = Limit of reporting
 ^ = This result is computed from individual analyte detections at or above the level of reporting
 ø = ALS is not NATA accredited for these tests.
 ~ = Indicates an estimated value.

- ED045G: The presence of Thiocyanate, Thiosulfate and Sulfite can positively contribute to the chloride result, thereby may bias results higher than expected. Results should be scrutinised accordingly.

Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Sample ID

				32630/S1	32630/S2	32630/S3	32630/S4	32630/S5
Sampling date / time				10-Apr-2024 00:00	10-Apr-2024 00:00	10-Apr-2024 00:00	10-Apr-2024 00:00	10-Apr-2024 00:00
Compound	CAS Number	LOR	Unit	ES2413010-001	ES2413010-002	ES2413010-003	ES2413010-004	ES2413010-005
Result				Result	Result	Result	Result	Result
EA002: pH 1:5 (Soils)								
pH Value	----	0.1	pH Unit	5.7	6.2	5.6	6.9	5.9
EA010: Conductivity (1:5)								
Electrical Conductivity @ 25°C	----	1	µS/cm	12	<1	<1	7	8
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	15.2	15.4	15.4	19.7	17.0
ED040S : Soluble Sulfate by ICPAES								
Sulfate as SO4 2-	14808-79-8	10	mg/kg	10	20	20	40	20
ED045G: Chloride by Discrete Analyser								
Chloride	16887-00-6	10	mg/kg	<10	<10	<10	20	<10



CERTIFICATE OF ANALYSIS

Work Order	: EB2411710	Page	: 1 of 6
Client	: STS Geotechnics	Laboratory	: Environmental Division Brisbane
Contact	: ENQUIRES STS	Contact	: Customer Services EB
Address	: Unit 14/1 Cowpasture Place Wetherill Park 2164	Address	: 2 Byth Street Stafford QLD Australia 4053
Telephone	: ----	Telephone	: +61-7-3243 7222
Project	: 32630	Date Samples Received	: 09-Apr-2024 11:00
Order number	: 2024-121	Date Analysis Commenced	: 16-Apr-2024
C-O-C number	: ----	Issue Date	: 16-Apr-2024 17:00
Sampler	: LL		
Site	: ----		
Quote number	: EN/222		
No. of samples received	: 6		
No. of samples analysed	: 6		



This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Ben Felgendrejeris	Senior Acid Sulfate Soil Chemist	Brisbane Acid Sulphate Soils, Stafford, QLD



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- ASS: EA029 (SPOCAS): Analysis is performed as per the Acid Sulfate Soils Laboratory Methods Guidelines (2004) and the updated National Acid Sulfate Soils Guidance: National acid sulfate soils identification and laboratory methods manual, Department of Agriculture and Water Resources, Canberra, ACT (2018)
- ASS: EA029 (SPOCAS): Retained Acidity not required because pH KCl greater than or equal to 4.5
- ASS: EA029 (SPOCAS): Laboratory determinations of ANC needs to be corroborated by effectiveness of the measured ANC in relation to incubation ANC. Unless corroborated, the results of ANC testing should be discounted when determining Net Acidity for comparison with action criteria, or for the determination of the acidity hazard and required liming amounts.
- ASS: EA029 (SPOCAS): Liming rate is calculated and reported on a dry weight basis assuming use of fine agricultural lime (CaCO₃) and using a safety factor of 1.5 to allow for non-homogeneous mixing and poor reactivity of lime. For conversion of Liming Rate from kg/t dry weight to kg/m³ in-situ soil, multiply reported results x wet bulk density of soil in t/m³.



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	32630/ASS1	32630/ASS2	32630/ASS3	32630/ASS4	32630/ASS5
Sampling date / time					04-Apr-2024 00:00	04-Apr-2024 00:00	04-Apr-2024 00:00	04-Apr-2024 00:00	04-Apr-2024 00:00
Compound	CAS Number	LOR	Unit		EB2411710-001	EB2411710-002	EB2411710-003	EB2411710-004	EB2411710-005
					Result	Result	Result	Result	Result
EA029-A: pH Measurements									
pH KCl (23A)	----	0.1	pH Unit		6.6	6.3	5.5	5.7	5.8
pH OX (23B)	----	0.1	pH Unit		7.4	4.6	3.9	4.0	4.2
EA029-B: Acidity Trail									
Titrateable Actual Acidity (23F)	----	2	mole H+ / t		<2	<2	10	5	<2
Titrateable Peroxide Acidity (23G)	----	2	mole H+ / t		<2	14	55	32	12
Titrateable Sulfidic Acidity (23H)	----	2	mole H+ / t		<2	14	44	27	12
sulfidic - Titrateable Actual Acidity (s-23F)	----	0.020	% pyrite S		<0.020	<0.020	<0.020	<0.020	<0.020
sulfidic - Titrateable Peroxide Acidity (s-23G)	----	0.020	% pyrite S		<0.020	0.022	0.088	0.051	0.020
sulfidic - Titrateable Sulfidic Acidity (s-23H)	----	0.020	% pyrite S		<0.020	0.022	0.071	0.043	0.020
EA029-C: Sulfur Trail									
KCl Extractable Sulfur (23Ce)	----	0.020	% S		<0.020	<0.020	<0.020	<0.020	<0.020
Peroxide Sulfur (23De)	----	0.020	% S		<0.020	0.044	0.021	<0.020	<0.020
Peroxide Oxidisable Sulfur (23E)	----	0.020	% S		<0.020	0.044	0.021	<0.020	<0.020
acidity - Peroxide Oxidisable Sulfur (a-23E)	----	10	mole H+ / t		<10	28	13	<10	<10
EA029-D: Calcium Values									
KCl Extractable Calcium (23Vh)	----	0.020	% Ca		0.105	0.057	<0.020	<0.020	<0.020
Peroxide Calcium (23Wh)	----	0.020	% Ca		0.125	0.058	<0.020	0.037	<0.020
Acid Reacted Calcium (23X)	----	0.020	% Ca		<0.020	<0.020	<0.020	0.037	<0.020
acidity - Acid Reacted Calcium (a-23X)	----	10	mole H+ / t		<10	<10	<10	18	<10
sulfidic - Acid Reacted Calcium (s-23X)	----	0.020	% S		<0.020	<0.020	<0.020	0.030	<0.020
EA029-E: Magnesium Values									
KCl Extractable Magnesium (23Sm)	----	0.020	% Mg		<0.020	<0.020	<0.020	<0.020	<0.020
Peroxide Magnesium (23Tm)	----	0.020	% Mg		<0.020	<0.020	<0.020	<0.020	<0.020
Acid Reacted Magnesium (23U)	----	0.020	% Mg		<0.020	<0.020	<0.020	<0.020	<0.020
Acidity - Acid Reacted Magnesium (a-23U)	----	10	mole H+ / t		<10	<10	<10	<10	<10
sulfidic - Acid Reacted Magnesium (s-23U)	----	0.020	% S		<0.020	<0.020	<0.020	<0.020	<0.020



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	32630/ASS1	32630/ASS2	32630/ASS3	32630/ASS4	32630/ASS5
Sampling date / time					04-Apr-2024 00:00	04-Apr-2024 00:00	04-Apr-2024 00:00	04-Apr-2024 00:00	04-Apr-2024 00:00
Compound	CAS Number	LOR	Unit		EB2411710-001	EB2411710-002	EB2411710-003	EB2411710-004	EB2411710-005
					Result	Result	Result	Result	Result
EA029-F: Excess Acid Neutralising Capacity									
Excess Acid Neutralising Capacity (23Q)	----	0.020	% CaCO3		0.552	----	----	----	----
acidity - Excess Acid Neutralising Capacity (a-23Q)	----	10	mole H+ / t		110	----	----	----	----
sulfidic - Excess Acid Neutralising Capacity (s-23Q)	----	0.020	% S		0.177	----	----	----	----
EA029-H: Acid Base Accounting									
ANC Fineness Factor	----	0.5	-		1.5	1.5	1.5	1.5	1.5
Net Acidity (sulfur units)	----	0.02	% S		<0.02	0.04	0.04	<0.02	<0.02
Net Acidity (acidity units)	----	10	mole H+ / t		<10	28	23	<10	<10
Liming Rate	----	1	kg CaCO3/t		<1	2	2	<1	<1
Net Acidity excluding ANC (sulfur units)	----	0.02	% S		<0.02	0.04	0.04	<0.02	<0.02
Net Acidity excluding ANC (acidity units)	----	10	mole H+ / t		<10	28	23	<10	<10
Liming Rate excluding ANC	----	1	kg CaCO3/t		<1	2	2	<1	<1



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	32630/ASS6	----	----	----	----
			Sampling date / time	04-Apr-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	EB2411710-006	-----	-----	-----	-----
				Result	----	----	----	----
EA029-A: pH Measurements								
pH KCl (23A)	----	0.1	pH Unit	6.4	----	----	----	----
pH OX (23B)	----	0.1	pH Unit	5.6	----	----	----	----
EA029-B: Acidity Trail								
Titrateable Actual Acidity (23F)	----	2	mole H+ / t	<2	----	----	----	----
Titrateable Peroxide Acidity (23G)	----	2	mole H+ / t	<2	----	----	----	----
Titrateable Sulfidic Acidity (23H)	----	2	mole H+ / t	<2	----	----	----	----
sulfidic - Titrateable Actual Acidity (s-23F)	----	0.020	% pyrite S	<0.020	----	----	----	----
sulfidic - Titrateable Peroxide Acidity (s-23G)	----	0.020	% pyrite S	<0.020	----	----	----	----
sulfidic - Titrateable Sulfidic Acidity (s-23H)	----	0.020	% pyrite S	<0.020	----	----	----	----
EA029-C: Sulfur Trail								
KCl Extractable Sulfur (23Ce)	----	0.020	% S	<0.020	----	----	----	----
Peroxide Sulfur (23De)	----	0.020	% S	<0.020	----	----	----	----
Peroxide Oxidisable Sulfur (23E)	----	0.020	% S	<0.020	----	----	----	----
acidity - Peroxide Oxidisable Sulfur (a-23E)	----	10	mole H+ / t	<10	----	----	----	----
EA029-D: Calcium Values								
KCl Extractable Calcium (23Vh)	----	0.020	% Ca	0.022	----	----	----	----
Peroxide Calcium (23Wh)	----	0.020	% Ca	0.034	----	----	----	----
Acid Reacted Calcium (23X)	----	0.020	% Ca	<0.020	----	----	----	----
acidity - Acid Reacted Calcium (a-23X)	----	10	mole H+ / t	<10	----	----	----	----
sulfidic - Acid Reacted Calcium (s-23X)	----	0.020	% S	<0.020	----	----	----	----
EA029-E: Magnesium Values								
KCl Extractable Magnesium (23Sm)	----	0.020	% Mg	<0.020	----	----	----	----
Peroxide Magnesium (23Tm)	----	0.020	% Mg	<0.020	----	----	----	----
Acid Reacted Magnesium (23U)	----	0.020	% Mg	<0.020	----	----	----	----
Acidity - Acid Reacted Magnesium (a-23U)	----	10	mole H+ / t	<10	----	----	----	----
sulfidic - Acid Reacted Magnesium (s-23U)	----	0.020	% S	<0.020	----	----	----	----



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	32630/ASS6	----	----	----	----
				Sampling date / time	04-Apr-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		EB2411710-006	-----	-----	-----	-----
				Result		----	----	----	----
EA029-H: Acid Base Accounting									
ANC Fineness Factor	----	0.5	-		1.5	----	----	----	----
Net Acidity (sulfur units)	----	0.02	% S		<0.02	----	----	----	----
Net Acidity (acidity units)	----	10	mole H+ / t		<10	----	----	----	----
Liming Rate	----	1	kg CaCO3/t		<1	----	----	----	----
Net Acidity excluding ANC (sulfur units)	----	0.02	% S		<0.02	----	----	----	----
Net Acidity excluding ANC (acidity units)	----	10	mole H+ / t		<10	----	----	----	----
Liming Rate excluding ANC	----	1	kg CaCO3/t		<1	----	----	----	----

APPENDIX H – Botany Bay Groundwater Restriction Map

