Land Insight & Resources do no warrant the accuracy or completeness of information in this publication and any person using or relying upon such information does so on the basis that this company shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information.



LIR-007 44 Aerial Photograph 1982 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1982

LAND INSIGHT & RESOURCES

MAP 17



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LIR-007 44 Aerial Photograph 1986 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1986

LAND INSIGHT & RESOURCES

MAP 18



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LIR-007 44 Aerial Photograph 1991 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1991

LAND INSIGHT & RESOURCES

MAP 19



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LIR-00744 Aerial Photograph 1994 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1994

LAND INSIGHT & RESOURCES

MAP 20



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LIR-007 44 Aerial Photograph 1998 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1998

LAND INSIGHT & RESOURCES

MAP 21



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LIR-00744 Aerial Photograph 2004 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

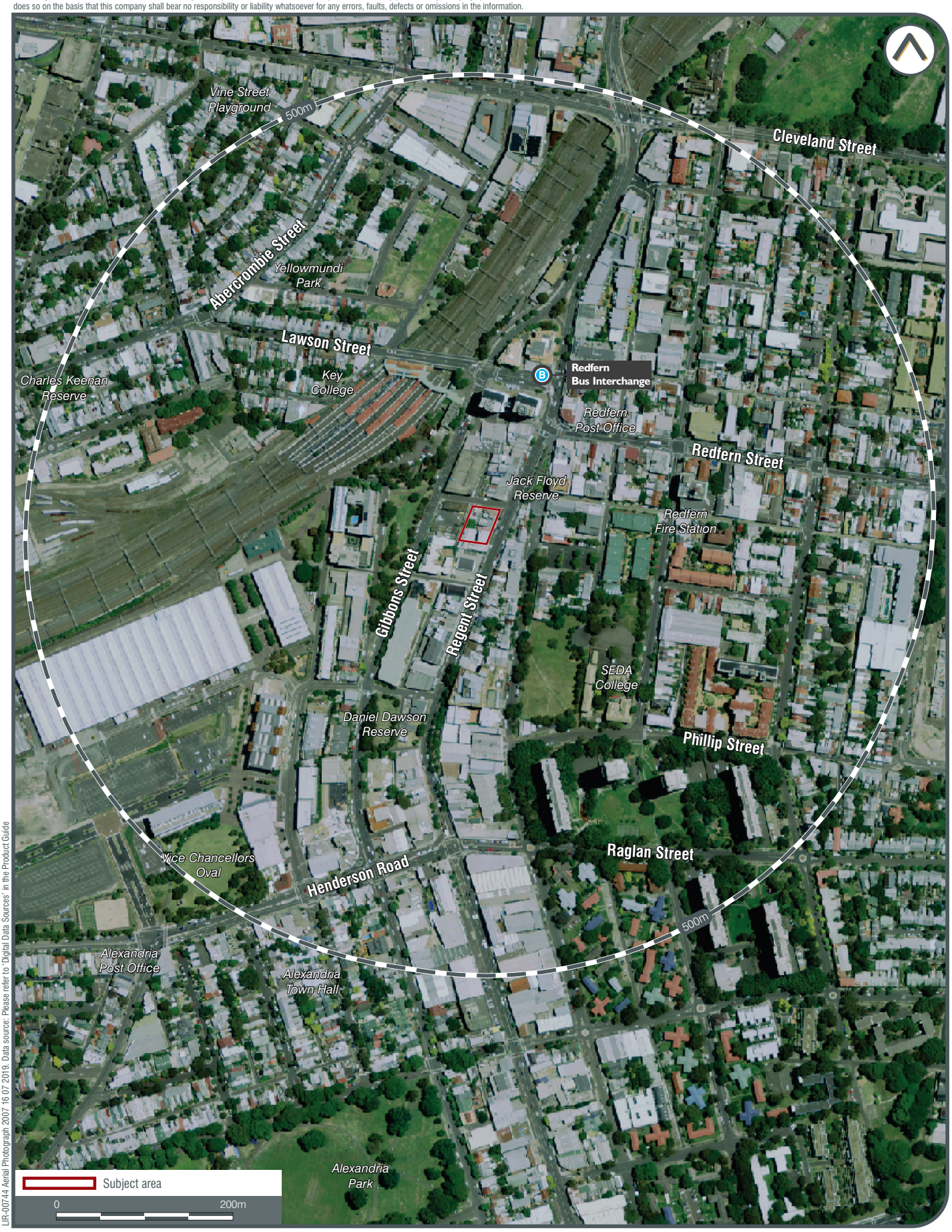
HISTORIC AERIAL PHOTOGRAPH - 2004

LAND INSIGHT & RESOURCES

MAP 22



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LIR-00744 Aerial Photograph 2007 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2007

LAND INSIGHT & RESOURCES

MAP 23



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LIR-007 44 Aerial Photograph 2012 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2012

LAND INSIGHT & RESOURCES

MAP 25



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LIR-007 44 Aerial Photograph 2014 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2014

LAND INSIGHT & RESOURCES

MAP 26



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LIR-007 44 Aerial Photograph 2017 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2017

LAND INSIGHT & RESOURCES

MAP 27



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LIR-007 44 Aerial Photograph 2019 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2019

LAND INSIGHT & RESOURCES

MAP 28



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LIR-00744 Historic Zoning Map 1951 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

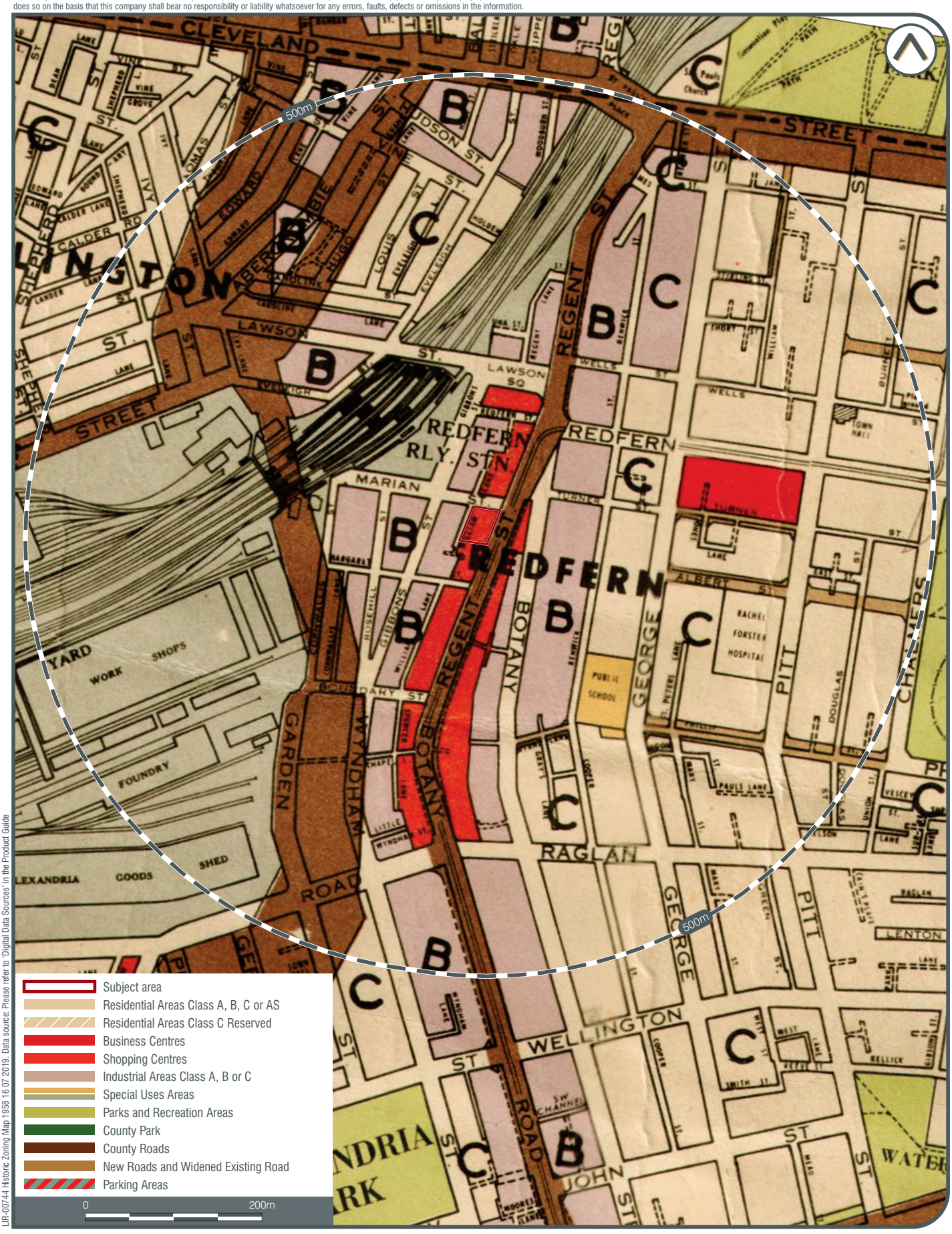
HISTORIC ZONING MAP - 1951

LAND INSIGHT & RESOURCES

MAP 29



Land Insight & Resources do no warrant the accuracy or completeness of information in this publication and any person using or relying upon such information does so on the basis that this company shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information.



LIR-007 44 Historic Zoning Map 1958 16 07 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

CITY OF SYDNEY PLANNING SCHEME - 1958

LAND INSIGHT & RESOURCES

MAP 30



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Fax +61 2 9265 9222
council@cityofsydney.nsw.gov.au

GPO Box 1591 Sydney NSW 2001
cityofsydney.nsw.gov.au

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PLANNING CERTIFICATE

Under Section 10.7 of the Environmental Planning and Assessment Act, 1979

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Applicant:	D□ □ □ □□ □ □□□ □R□ □□R□ □□□ □□ □□□□D□
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Owner:	□□ □ □ □ □□□□□□□□□□ □ □□□ □□□ □□□□□□□□□D□ □ □ □ □
Description of land:	□□□□1 □□□ □□□□□□D□ □□□9□□□
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Certificate Date:	□09□19□
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□□r□**Monica Barone**
Chief Executive Officer□
□
CERTIFICATE ENQUIRIES:
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Sydney2030/Green/Global/Connected

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PLANNING CERTIFICATE UNDER SECTION 10.7 (2) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

□

MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - ENVIRONMENTAL PLANNING & ASSESSMENT REGULATION, 2000, CLAUSES (1) - (2).

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DEVELOPMENT CONTROLS

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The following information must be read in conjunction with and subject to all other provisions of the environmental planning instruments specified in this certificate.

ZONING

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Zoned Business Zone – Commercial Core - State Environmental Planning Policy (State Significant Precincts) 2005

Clause 9

(2) Development for any of the following purposes is prohibited on land within the Business Zone—Commercial Core:
bulky goods premises; depots; dual occupancies; dwelling houses; hazardous industries; hazardous storage establishments; heavy industries; home occupations (sex services); industries; light industries; offensive industries; offensive storage establishments; restricted premises; sex services premises; transport depots; truck depots; vehicle body repair workshops; warehouses or distribution centres.

(3) Except as otherwise provided by this Policy, development is permitted with consent on land within the Business Zone—Commercial Core unless it is prohibited by subclause (2).

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Clause 17 Exempt development

The following development is exempt development if it is carried out on land within the Redfern–Waterloo Authority Sites, is of minimal environmental impact and complies with the criteria set out in the guidelines prepared by the Redfern–Waterloo Authority (and approved by the Minister and made publicly available) for the purposes of this clause:

(a) the temporary use of the land for community events that are open to the general public, including public gatherings, ceremonies, sporting events or outdoor exhibitions,

(b) the erection and use of temporary structures, having minimal visual impact, for the purposes of, or in connection with, any such community event,

(c) the erection and use of outdoor seating, tables and similar furniture located in the public domain and associated with cafes, restaurants, bars and other similar development,

(d) the erection, installation, maintenance and upgrading by or on behalf of a public authority of public furniture, planter boxes, lighting, public art, street signs, bus shelters, public telephone booths or post boxes, or the carrying out by or on behalf of a public authority of street planting, work for the purpose of changing the width or surface of a footpath, and related road works,

(e) the erection, installation, maintenance and upgrading by or on behalf of a public authority in existing public recreation areas of public furniture, shade structures, public art, tables, seats, children's play equipment, barbecues and toilets,

(e1) the carrying out, by or on behalf of a public authority, of landscaping associated with existing public recreation areas,

(f) development for the purposes of real estate signs,

(g) the erection of a flagpole, if the maximum height of the flagpole is not more than 6 metres above existing ground level,

(h) erection of a side or rear boundary fence located behind the front wall of a building, if the fence does not exceed 1.8 metres in height and is not of masonry construction,

(i) the use of premises for a home business,

(j) minor internal alterations to commercial or retail premises, such as fit-out works or the installation of partitions, shelving, benches or workstations, if the alterations are not structural, do not result in the creation of additional floor space and do not change the building classification.

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PROPOSED ZONING

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LOCAL PLANNING CONTROLS

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City of Sydney Signage and Advertising Structures Development Control Plan 2005 (commenced 28.03.2005) □

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City of Sydney Visitor and Tourist Accommodation Development Control Plan 2006 (commenced 24.03.2006) □

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City of Sydney Telecommunications and Radiocommunications Development Control Plan 2006 (commenced 14.08.2006)□□

□

City of Sydney Late Night Trading Premises Development Control Plan 2007 (commenced 01.01.2008) □

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Planning Proposal Serviced Apartments: Amendment of the following Local Environmental Plans.

- **□ Sydney Local Environmental Plan 2012;**
- **□ Sydney Local Environmental Plan 2005;**
- **□ Sydney Local Environmental Plan (Green Square Town Centre) 2013; and**
- **□ Sydney Local Environmental Plan (Green Square Town Centre Stage 2) 2013.**

This Planning Proposal explains the intent of, and justification for the proposed amendment to ensure State Environmental Planning Policy No. 65 (SEPP 65) and the Apartment Design Guide provisions apply to serviced apartments.

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HERITAGE

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State Heritage Register□(Amendment To Heritage Act, 1977 Gazetted 2/4/99)□

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State Environmental Planning Policy No. 65 – Design Quality of Residential Apartment Development

[illegible]

State Environmental Planning Policy No.70 – Affordable Housing (Revised Schemes) (Gazetted 31.05.02)

[illegible]

State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004

[illegible] *Heritage Act 1997* [illegible] *Heritage Act 1997* [illegible]

State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004

[illegible]

State Environmental Planning Policy (State Significant Precincts) 2005

[illegible]

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

[illegible]

State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007

[illegible]

State Environmental Planning Policy (Infrastructure) 2007

[illegible]

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

[illegible]

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State Environmental Planning Policy (Affordable Rental Housing) 2009

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[illegible]

OTHER MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - E. P. & A. REGULATION, 2000. CLAUSES (2A) - (10)

[illegible] *State Environmental Planning Policy (Sydney Region Growth Centres) 2006*

[illegible]

[illegible]

[illegible]

1 [illegible] 1 17 [illegible] *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*

[illegible] 1 17 [illegible]

[illegible]

Note: All Exempt and Complying Development Codes: [illegible] *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*

[illegible]

General Housing Code & Commercial and Industrial (New Buildings and Additions) Code

[illegible] **may not** [illegible] **YES**

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Rural Housing Code

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PLANNING CERTIFICATE UNDER SECTION 10.7 (5) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

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PLANNING CERTIFICATE SECTION 10.7 (5) ADVICE is current as at 12:00 noon two working days prior to the date of issue of this certificate. The following matters have been considered & details provided where information exists: easements in favour of council; parking permit scheme; heritage floor space restrictions; low-rental residential building; foreshore building line; tree preservation order.

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Contaminated Land Potential:

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City of Sydney
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Fax +61 2 9265 9222
council@cityofsydney.nsw.gov.au

GPO Box 1591 Sydney NSW 2001
cityofsydney.nsw.gov.au

INFOTRACK PTY LIMITED
GPO BOX 4029
SYDNEY NSW 2001

PLANNING CERTIFICATE

Under Section 10.7 of the Environmental Planning and Assessment Act, 1979

Applicant:	INFOTRACK PTY LIMITED
Your reference:	1815577
Address of property:	94 Regent Street , REDFERN NSW 2016
Owner:	GGWL INVESTMENTS PTY LTD
Description of land:	Lot 3 Sec 2 DP 3954
Certificate No.:	2018307558
Certificate Date:	12/12/18
Receipt No:	0131956
Fee:	$80.00
Paid:	12/12/18

Title information and description of land are provided from data supplied by the Valuer General and shown where available.

Issuing Officer
per **Monica Barone**
Chief Executive Officer

CERTIFICATE ENQUIRIES:
Ph: 9265 9333
Fax: 9265 9415

Sydney2030/Green/Global/Connected

PLANNING CERTIFICATE UNDER SECTION 10.7 (2) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - ENVIRONMENTAL PLANNING & ASSESSMENT REGULATION, 2000, CLAUSES (1) - (2).

DEVELOPMENT CONTROLS

The following information must be read in conjunction with and subject to all other provisions of the environmental planning instruments specified in this certificate.

ZONING

Zoned Business Zone – Commercial Core - State Environmental Planning Policy (State Significant Precincts) 2005

Clause 9

(2) Development for any of the following purposes is prohibited on land within the Business Zone—Commercial Core:
bulky goods premises; depots; dual occupancies; dwelling houses; hazardous industries; hazardous storage establishments; heavy industries; home occupations (sex services); industries; light industries; offensive industries; offensive storage establishments; restricted premises; sex services premises; transport depots; truck depots; vehicle body repair workshops; warehouses or distribution centres.

(3) Except as otherwise provided by this Policy, development is permitted with consent on land within the Business Zone—Commercial Core unless it is prohibited by subclause (2).

Clause 17 Exempt development

The following development is exempt development if it is carried out on land within the Redfern–Waterloo Authority Sites, is of minimal environmental impact and complies with the criteria set out in the guidelines prepared by the Redfern–Waterloo Authority (and approved by the Minister and made publicly available) for the purposes of this clause:

(a) the temporary use of the land for community events that are open to the general public, including public gatherings, ceremonies, sporting events or outdoor exhibitions,

(b) the erection and use of temporary structures, having minimal visual impact, for the purposes of, or in connection with, any such community event,

(c) the erection and use of outdoor seating, tables and similar furniture located in the public domain and associated with cafes, restaurants, bars and other similar development,

(d) the erection, installation, maintenance and upgrading by or on behalf of a public authority of public furniture, planter boxes, lighting, public art, street signs, bus shelters, public telephone booths or post boxes, or the carrying out by or on behalf of a public authority of street planting, work for the purpose of changing the width or surface of a footpath, and related road works,

(e) the erection, installation, maintenance and upgrading by or on behalf of a public authority in existing public recreation areas of public furniture, shade structures, public art, tables, seats, children's play equipment, barbecues and toilets,

(e1) the carrying out, by or on behalf of a public authority, of landscaping associated with existing public recreation areas,

(f) development for the purposes of real estate signs,

(g) the erection of a flagpole, if the maximum height of the flagpole is not more than 6 metres above existing ground level,

(h) erection of a side or rear boundary fence located behind the front wall of a building, if the fence does not exceed 1.8 metres in height and is not of masonry construction,

(i) the use of premises for a home business,

(j) minor internal alterations to commercial or retail premises, such as fit-out works or the installation of partitions, shelving, benches or workstations, if the alterations are not structural, do not result in the creation of additional floor space and do not change the building classification.

PROPOSED ZONING

This property is not affected by a draft zone.

LOCAL PLANNING CONTROLS

City of Sydney Signage and Advertising Structures Development Control Plan 2005 (commenced 28.03.2005)

City of Sydney Visitor and Tourist Accommodation Development Control Plan 2006 (commenced 24.03.2006)

City of Sydney Telecommunications and Radiocommunications Development Control Plan 2006 (commenced 14.08.2006)

City of Sydney Late Night Trading Premises Development Control Plan 2007 (commenced 01.01.2008)

Planning Proposal Serviced Apartments: Amendment of the following Local Environmental Plans.

- **Sydney Local Environmental Plan 2012;**
- **Sydney Local Environmental Plan 2005;**
- **Sydney Local Environmental Plan (Green Square Town Centre) 2013; and**
- **Sydney Local Environmental Plan (Green Square Town Centre Stage 2) 2013.**

This Planning Proposal explains the intent of, and justification for the proposed amendment to ensure State Environmental Planning Policy No. 65 (SEPP 65) and the Apartment Design Guide provisions apply to serviced apartments.

HERITAGE

State Heritage Register (Amendment To Heritage Act, 1977 Gazetted 2/4/99)
This property may be identified as being of state heritage significance, and entered on the State Heritage Register.

To confirm whether the site is listed under the Heritage Act 1977 a Section 167 Certificate should be obtained from the NSW Heritage Office by contacting the NSW Heritage office on (02) 9873 8500 for an application from or by downloading the application form from www.heritage.nsw.gov.au

STATE PLANNING INSTRUMENTS

Full copies of State Environmental Planning Policies are available online at www.planning.nsw.gov.au.

State Environmental Planning Policy No. 1 – Development Standards

This policy makes development standards more flexible. It allows Council to approve a development proposal that does not comply with a set standard where this can be shown to be unreasonable or unnecessary.

State Environmental Planning Policy No. 19 – Bushland in Urban Areas
This is a policy to protect and preserve bushland within certain urban areas, as part of the natural heritage or for recreational, educational and scientific purposes. This policy is designed to protect bushland in public open space zones and reservations, and to ensure that bush preservation is given a high priority when local environmental plans for urban development are prepared.

State Environmental Planning Policy No. 32 – Urban Consolidation
This policy implements the principles of urban consolidation, including the orderly, economic use and development of land. The policy enables urban land which is no longer required for the purpose for which it is currently zoned or used to be redeveloped for multi-unit housing and related development.

State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
This policy aims to amend the definitions of hazardous and offensive industries; to render ineffective any environmental planning instruments not defining hazardous or offensive as per this policy; to control development of hazardous and offensive industries.

State Environmental Planning Policy No. 55 – Remediation of Land
This policy provides planning controls for the remediation of contaminated land. The policy states that land must not be developed if it is unsuitable for a proposed use because it is contaminated. If the land is unsuitable, remediation must take place before the land is developed. The policy makes remediation permissible across the State, defines when consent is required, requires all remediation to comply with standards, ensures land is investigated if contamination is suspected, and requires councils to be notified of all remediation proposals. To assist councils and developers, the Department, in conjunction with the Environment Protection Authority, has prepared Managing Land Contamination: Planning Guidelines.

State Environmental Planning Policy No. 64 – Advertising and Signage
This policy aims to ensure that signage (including advertising):
Is compatible with the desired amenity and visual character of an area, and
- Provides effective communications in suitable locations, and
- Is of a high quality design and finish.

To this end the policy regulates signage (but not content) under Part 4 of the Act and provides limited time consents for the display of certain advertisements. The policy does not apply to signage that is exempt development under an environmental planning instrument. It does apply to all signage that can be displayed with or without consent and is visible from any public place or reserve, except as provided by the policy.

This policy should be read in conjunction with the Sydney Local Environmental Plan 2005, the City of Sydney Signage and Advertising Structures Development Control Plan 2005 and State Environmental Planning Policy No. 60 where these apply.

State Environmental Planning Policy No. 65 – Design Quality of Residential Flat Buildings
This policy aims to improve the design quality of flats of three or more storeys with four or more self contained dwellings. The policy sets out a series of design principles for local councils to consider when assessing development proposals for residential flat development. The policy also creates a role for an independent design review panel and requires the involvement of a qualified designer in the design and approval process.

State Environmental Planning Policy No.70 – Affordable Housing (Revised Schemes) (Gazetted 31.05.02)
The policy identifies that there is a need for affordable housing in the City of Sydney, describes the kinds of households for which affordable housing may be provided and makes a requirement with respect to the imposition of conditions relating to the provision of affordable housing (provided other requirements under the Act are met).

State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004
This Policy does not apply to land described in Schedule 1 (Environmentally sensitive land), or land that is zoned for industrial purposes, or land to which an interim heritage order made under the *Heritage Act 1997* by the Minister administering that Act applies, or land to which a listing on the State Heritage Register kept under the *Heritage Act 1997* applies.

The Policy aims to encourage the provision of housing (including residential care facilities) that will increase the supply and diversity of residences that meet the needs of seniors or people with a disability, and make efficient use of existing infrastructure and services, and be of good design.

State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004
Aims to ensure consistency in the implementation of the BASIX scheme throughout the State. This Policy achieves its aim by overriding provisions of other environmental planning instruments and development control plans that would otherwise add to, subtract from or modify any obligations arising under the BASIX scheme.

State Environmental Planning Policy (State Significant Precincts) 2005
This Policy aims to identify development of economic, social or environmental significance to the State or regions of the State so as to provide a consistent and comprehensive assessment and decision making process for that development.
NB: This SEPP also contains exempt & complying provisions

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007
This Policy aims to provide for the proper management and development of mineral, petroleum and extractive material resources for the social and economic welfare of the State.

State Environmental Planning Policy (Temporary Structures and Places of Public Entertainment) 2007

This Policy aims to ensure that suitable provision is made for ensuring the safety of persons using temporary structures or places of public entertainment.

State Environmental Planning Policy (Infrastructure) 2007
This Policy aims to facilitate the effective delivery of infrastructure across the state.
NB: This SEPP also contains exempt & complying provisions

State Environmental Planning Policy (Repeal of Concurrence and Referral Provisions) 2008
This Policy is an 'amending instrument' that removes or modifies referral and concurrence clauses within local environmental plans (LEPs), regional environmental plans (REPs) and State environmental planning policies (SEPPs).

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
This Policy Streamlines assessment processes for development that complies with specified development standards. The policy provides exempt and complying development codes that have State-wide application, identifying, in the General Exempt Development Code, types of development that are of minimal environmental impact that may be carried out without the need for development consent; and, in the General Housing Code, types of complying development that may be carried out in accordance with a complying development certificate as defined in the Environmental Planning and Assessment Act 1979.

State Environmental Planning Policy (Affordable Rental Housing) 2009
Establishes a consistent planning regime for the provision of affordable rental housing. The policy provides incentives for new affordable rental housing, facilitates the retention of existing affordable rentals, and expands the role of not-for-profit providers. It also aims to support local centres by providing housing for workers close to places of work, and facilitate development of housing for the homeless and other disadvantaged people. NOTE: Does not apply to land at Green Square or at Ultimo Pyrmont, or on southern employment land.

State Environmental Planning Policy (Urban Renewal) 2010
The aims of this Policy are as follows:
(a) to establish the process for assessing and identifying sites as urban renewal precincts,
(b) to facilitate the orderly and economic development and redevelopment of sites in and around urban renewal precincts,
(c) to facilitate delivery of the objectives of any applicable government State, regional or metropolitan strategies connected with the renewal of urban areas that are accessible by public transport.

State Environmental Planning Policy (State and Regional Development) 2011
The aims of this Policy are as follows:
(a) to identify development that is State significant development,
(b) to identify development that is State significant infrastructure and critical State significant infrastructure,
(c) to confer functions on joint regional planning panels to determine development applications.

State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017
The aims of this Policy are:
(a) to protect the biodiversity values of trees and other vegetation in non-rural areas of the State, and
(b) to preserve the amenity of non-rural areas of the State through the preservation of trees and other vegetation.

State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017
The aim of this Policy is to facilitate the effective delivery of educational establishments and early education and care facilities across the state.

State Environmental Planning Policy (Coastal Management) 2018
The aim of this Policy is to promote an integrated and co-ordinated approach to land use planning in the coastal zone in a manner consistent with the objects of the Coastal

Management Act 2016, including the management objectives for each coastal management area, by:
(a) managing development in the coastal zone and protecting the environmental assets of the coast, and
(b) establishing a framework for land use planning to guide decision-making in the coastal zone, and
(c) mapping the 4 coastal management areas that comprise the NSW coastal zone for the purpose of the definitions in the Coastal Management Act 2016.

Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005
This plan applies to land within the Sydney Harbour Catchment, as shown edged heavy black on the Sydney Harbour Catchment Map, being part of the Sydney Region declared by order published in Gazette No 38 of 7 April 1989 at page 1841.

This plan has the following aims with respect to the Sydney Harbour Catchment:
to ensure that the catchment, foreshores, waterways and islands of Sydney Harbour are recognised, protected and maintained: as outstanding natural asset, and as a public asset of national and heritage significance, for existing and future generations; to ensure a healthy, sustainable environment on land and water; to achieve a high quality urban environment; to ensure a prosperous working waterfront and an effective transport corridor, to encourage a culturally rich and vibrant place for people; to ensure accessibility to and along Sydney Harbour and its foreshores; to ensure the protection, maintenance and rehabilitation of watercourses, wetlands, riparian lands, remnant vegetation and ecological connectivity, to provide a consolidated, simplified and updated legislative framework for future planning.

OTHER MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - E. P. & A. REGULATION, 2000. CLAUSES (3) - (10)

(3) Complying Development
(1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4),1.18(1)(c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

(2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4),1.18(1)(c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.

(3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

Note: All Exempt and Complying Development Codes: Council does not have sufficient information to ascertain the extent of a land based exclusion on a property. Despite any statement preventing the carrying out of complying development in the Codes listed below, complying development may still be carried out providing the development is not on the land affected by the exclusion and meets the requirements and standards of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

General Housing Code & Commercial and Industrial (New Buildings and Additions) Code

Complying development **may not** be carried out on the land under the General Housing Code & the Commercial and Industrial (New Buildings and Additions) Code if because of the provisions of clause 1.17A, 1.18(1)(c3) & 1.19 (Land-based requirements for exempt and complying development) any of the following statements are **YES**

▪ Clause 1.19(5)d. Land that is significantly contaminated land within the meaning of the Contaminated Land Management Act 1997. (Applies only to the Commercial and Industrial (New Buildings and Additions) Code.	NO
▪ Clause 1.17A(d). Has been identified as a property that comprises, or on which there is, an item that is listed on the State Heritage Register under the *Heritage Act 1977* or that is subject to an interim heritage order under the *Heritage Act 1977*.	NO
▪ Clause 1.17A(d) & 1.18(1)(c3). Has been identified as a property that comprises, or on which there is, a heritage item or draft heritage item.	**NO**
▪ Clause 1.17A(c). Has been identified as being within a wilderness area (identified under the *Wilderness Act 1987*.	**NO**
▪ Clause 1.17A(e) & 1.19(1)e or 1.19(5)f. Has been identified as land that is within an environmentally sensitive area or by an environmental planning instrument as being within a buffer area, a river front area, an ecologically sensitive area, environmentally sensitive land or a protected area	**NO**
▪ Clause 1.19(1)a.or 1.19(5)a Has been identified as being within a heritage conservation area or a draft heritage conservation area.	**NO**
▪ Clause 1.19(1)b or 1.19(5)b. Has been identified as being land that is reserved for a public purpose in an environmental planning instrument.	**NO**
▪ Clause 1.19(1)c or 1.19(5)c. Has been identified as being on an Acid Sulfate Soils Map as being Class 1 or Class 2.	**NO**
▪ Clause 1.19(1)d or 1.19(5)e. Has been identified as land that is subject to a biobanking agreement under part 7A of the threatened Species Conservation Act 1995 or a property vegetation plan under the Native Vegetation Act 2003.	**NO**
▪ Clause 1.19(1)f or 1.19(5)g. Has been identified by an environmental planning instrument, a development control plan or a policy adopted by the Council as being or affected by a coastline hazard, a coastal hazard or a coastal erosion hazard.	**NO**
▪ Clause 1.19(1)g or 1.19(5)h. Has been identified as being land in a foreshore area.	**NO**
▪ Clause 1.19(1)h. Has been identified as land that is in the 25 ANEF contour or a higher ANEF contour. (Applies only to the General Housing Code)	**NO**
▪ Clause 1.19(1)j or 1.19(5)i. Has been identified as unsewered land within a drinking water catchment.	**NO**
▪ Clause 1.19(1)i. Has been identified as land that is declared to be a special area under the Sydney Water Catchment Management Act 1998.	**NO**

Housing Alterations Code
Complying development under the Housing Alterations Code **may** be carried out on the land.

Commercial and Industrial Alterations Code

Complying development under the Commercial and Industrial Alterations Code **may** be carried out on the land.

Subdivisions Code
Complying development under the Subdivisions Code **may** be carried out on the land.

Rural Housing Code
The Rural Housing Code does not apply to this Local Government Area.

General Development Code
Complying development under the General Development Code **may** be carried out on the land.

Demolition Code
Complying development under the Demolition Code **may** be carried out on the land.

Low Rise Medium Density Housing Code
This Code has been deferred until 1 July 2019.

(4) Coastal Protection Act, 1979

The council has not been notified by the department of public works that the land is affected by the operation of section 38 or 39 of the coastal protection act, 1979.

(4A) Certain information relating to beaches and coasts

(1) In relation to a coastal council an order has **not** been made under Part 4D of the coastal Protection Act 1979 in relation to temporary coastal protection works (within the meaning of that Act) on the land (or on public land adjacent to that land).

(2) In relation to a coastal council : Council has **not** been notified under section 55X of the Coastal Protection Act 1979 that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land)

(4B) Annual charges under Local Government Act 1993 for coastal protection services that relate to existing coastal protection works

In relation to a coastal council : The owner (or any previous owner) of the land has not consented in writing to the land being subject to annual charges under section 496B of the Local Government Act 1993 for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

Note. "Existing coastal protection works" are works to reduce the impact of coastal hazards on land (such as seawalls, revetments, groynes and beach nourishment) that existed before the commencement of section 553B of the Local Government Act 1993.

(5) Mine Subsidence District

This land has not been proclaimed to be a mine subsidence district within the meaning of section 15 of the mine subsidence compensation act, 1961.

(6) Road Widening and/or Road Realignment affected by (a) Division 2 of Part 3 of the Roads act 1993 or (c) any resolution of council or other authority.

This land **is not** affected by road widening and/or road realignment under section 25 of the Roads Act, 1993 and/or resolution of Council or any other authority.

(6) Road Widening and/or Road Realignment Affected by (b) any environmental planning instrument.

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

(7) Council and other public authorities policies on hazard risk restrictions:

(a) The land **is not** affected by a policy adopted by the Council that that restricts the development of the land because of the likelihood of land slip, bushfire, flooding, tidal inundation, subsidence, acid sulphate soils or any other risk; and

(b) The land **is not** affected by a policy adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to on planning certificate issued by Council, that restricts the development of the land because of the likelihood of land slip, bushfire, flooding, tidal inundation, subsidence, acid sulphate soils or any other risk.

(7A) Flood related development controls information.

The development on this land or part of this land is not subject to flood related development controls.

(8) Land reserved for acquisition

No environmental planning instrument, or proposed environmental planning instrument applying to the land, provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

(9) Contribution plans

The following Contributions Plans apply to properties within the City of Sydney local government area. Contributions plans marked **YES** may apply to this property:

▪ Central Sydney Development Contributions Plan 2013 – in operation 9th July 2013	**NO**
▪ City of Sydney Development Contributions Plan 2015 – in operation 1st July 2016	**YES**
▪ Redfern Waterloo Authority Contributions Plan 2006 – in operation 16th May 2007 ▪ Redfern Waterloo Authority Affordable Housing Contributions Plan – in operation 16th May 2007	**YES**

(9A) Biodiversity certified land

The land has not been certified as biodiversity certified land.

(10) Biobanking Agreement

Council has not been notified of a biobanking agreement under Part 7A of the Threatened Species Conservation Act 1995.

(11) Bush fire prone land

The land has not been identified as Bush fire prone land.

(12) Property vegetation plans

Not Applicable.

(13) Orders under Trees (Disputes Between Neighbours) Act 2006

Council has not been notified of an order which as been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

(14) Directions under Part 3A

Not Applicable.

(15) Site compatibility certificates and conditions for seniors housing

(a) The land to which the certificate relates is not subject to a current site compatibility certificate (seniors housing), of which Council is aware, in respect of proposed development on the land.

(b) The land to which the certificate relates is not subject to any condition of consent to a development application granted after 11 October 2007 required by State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004.

(16) Site compatibility certificates for infrastructure

The land to which the certificate relates is not subject to a valid site compatibility certificate (infrastructure), of which Council is aware, in respect of proposed development on the land.

(17) Site compatibility certificates and conditions for affordable rental housing

(a) The land to which the certificate relates is not subject to a current site compatibility certificate (affordable rental housing), of which Council is aware, in respect of proposed development on the land.

(b) The land to which the certificate relates is not subject to any terms of a kind referred to in clause 17(1) or 37(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 that have been imposed as a condition of consent to a development application in respect of the land.

(18) Paper subdivision information

Not Applicable.

(19) Site verification certificates

The land to which the certificate relates is not subject to a valid site verification certificate of which Council is aware.

(20) Loose-fill asbestos insulation

Not Applicable

(21) Affected building notices and building product rectification orders

(1)The land to which the certificate relates is not subject to any affected building notice of which Council is aware.

(2) (a) The land to which the certificate relates is not subject to any building product rectification order of which Council is aware and has not been fully complied with.

(b) The land to which the certificate relates is not subject to any notice of intention to make a building product rectification order of which Council is aware and is outstanding.

(3) In this clause:
affected building notice has the same meaning as in Part 4 of the Building Products (Safety) Act 2017.
building product rectification order has the same meaning as in the Building Products (Safety) Act 2017.

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) The land to which the certificate relates **is not** declared to be **significantly contaminated land** within the meaning of that act as at the date when the certificate is issued.

(b) The land to which the certificate relates **is not** subject to a **management order** within the meaning of that act as at the date when the certificate is issued.

(c) The land to which the certificate relates **is not** the subject of an **approved voluntary management proposal** within the meaning of that act at the date the certificate is issued.

(d) The land to which the certificate relates **is not** the subject of an **ongoing maintenance order** within the meaning of that act as at the date when the certificate is issued.

(e) As at the date when the certificate is issued, Council **has not** identified that a **site audit statement** within the meaning of that act has been received in respect of the land the subject of the certificate.

PLANNING CERTIFICATE SECTION 10.7 (2) INFORMATION:
Information provided in accordance with planning certificate section 10.7 (2) has been taken from council's records and advice from other authorities but council disclaims all liability for any omission or inaccuracy in the information. Specific inquiry should be made where doubt exists.

PLANNING CERTIFICATE UNDER SECTION 10.7 (5) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

PLANNING CERTIFICATE SECTION 10.7 (5) ADVICE is current as at 12:00 noon two working days prior to the date of issue of this certificate. The following matters have been considered & details provided where information exists: easements in favour of council; parking permit scheme; heritage floor space restrictions; low-rental residential building; foreshore building line; tree preservation order.

Contaminated Land Potential:
Council records do not have sufficient information about the uses (including previous uses) of the land which is the subject of this section 10.7 certificate to confirm that the land has not been used for a purpose which would be likely to have contaminated the land. Parties should make their own enquiries as to whether the land may be contaminated.

Hazard Risk Restriction:
The City of Sydney Local Environmental Plan 2012 incorporates Acid Sulfate soil maps. Development on the land identified in those maps should have regard to Division 4 clause 7.16 of the LEP.

Construction Noise and View Loss Advice:
Intending purchasers are advised that the subject property may be affected by construction noise and loss or diminution of views as a result of surrounding development.

City of Sydney Tree Preservation Order 2004 (TPO)
This order applies to all land where South Sydney Local Environmental Plan 1998 applies and the City of Sydney Council or the Central Sydney Planning Committee is the relevant consent authority under the *Environmental Planning & Assessment* Act 1979. Contact Council's Contract and Asset Management section for more information.

Outstanding Notice & Order information
In relation to this property, there **is not** an outstanding Order or Notice of Intention to issue an Order relating to Fire Safety (being an Order or Notice of Intention to issue an Order of type 6, 10, 11 under Section 121B of the Environmental Planning and Assessment Act, 1979). Further information about the Order or Notice of Intention to issue an Order may be obtained by applying for a certificate under Section 121ZP of the Environmental Planning and Assessment Act and Section 735A of the Local Government Act.

In relation to this property, there **is not** an outstanding Order or Notice of Intention to issue an Order (being an Order or Notice of Intention to issue an Order of a type other than relating to fire safety). Further information about the Order or Notice of Intention to issue an Order may be obtained by applying for a certificate under Section 121ZP of the Environmental Planning and Assessment Act and Section 735A of the Local Government Act.

The Minister is the Consent Authority
The Minister is the consent authority where the capital has an investment value of more than $10 million. State Environmental Planning Policy (Major Projects).

Rail Corridor

The land is within or above a rail corridor, or within 25 metres of a rail corridor, and that Division 15 of Part 2 of State Environmental Planning Policy (Infrastructure 2007) including clauses 86 and 88 applies.

Residential & Visitor Parking Permit Schemes
The City of Sydney co-ordinates a Resident Permit Parking Scheme and a Visitor Permit Parking scheme. This property may be restricted from participating in either scheme. Eligibility may change after the date of this certificate, as parking supply and other traffic demands change. For more information contact Council's call centre on 9265 9333.

ADVICE FROM OTHER BODIES

Advice provided in accordance with planning certificate section 10.7 (5) is supplied in good faith. Council accepts no liability for the validity of the advice given. (see section 10.7 (6) of the Environmental Planning and Assessment Act, 1979).

For information regarding outstanding notices and orders a CERTIFICATE FOR OUTSTANDING NOTICES OF INTENTION AND/OR AN ORDER UNDER SECTION 735A OF THE LOCAL GOVERNMENT ACT, 1993 AND SECTION 121ZP OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979 may be applied for at Sydney City Council.

Planning certificate section 10.7 (2), local planning controls are available are available online at www.cityofsydney.nsw.gov.au

General Enquiries:
Telephone: 02 9265 9333

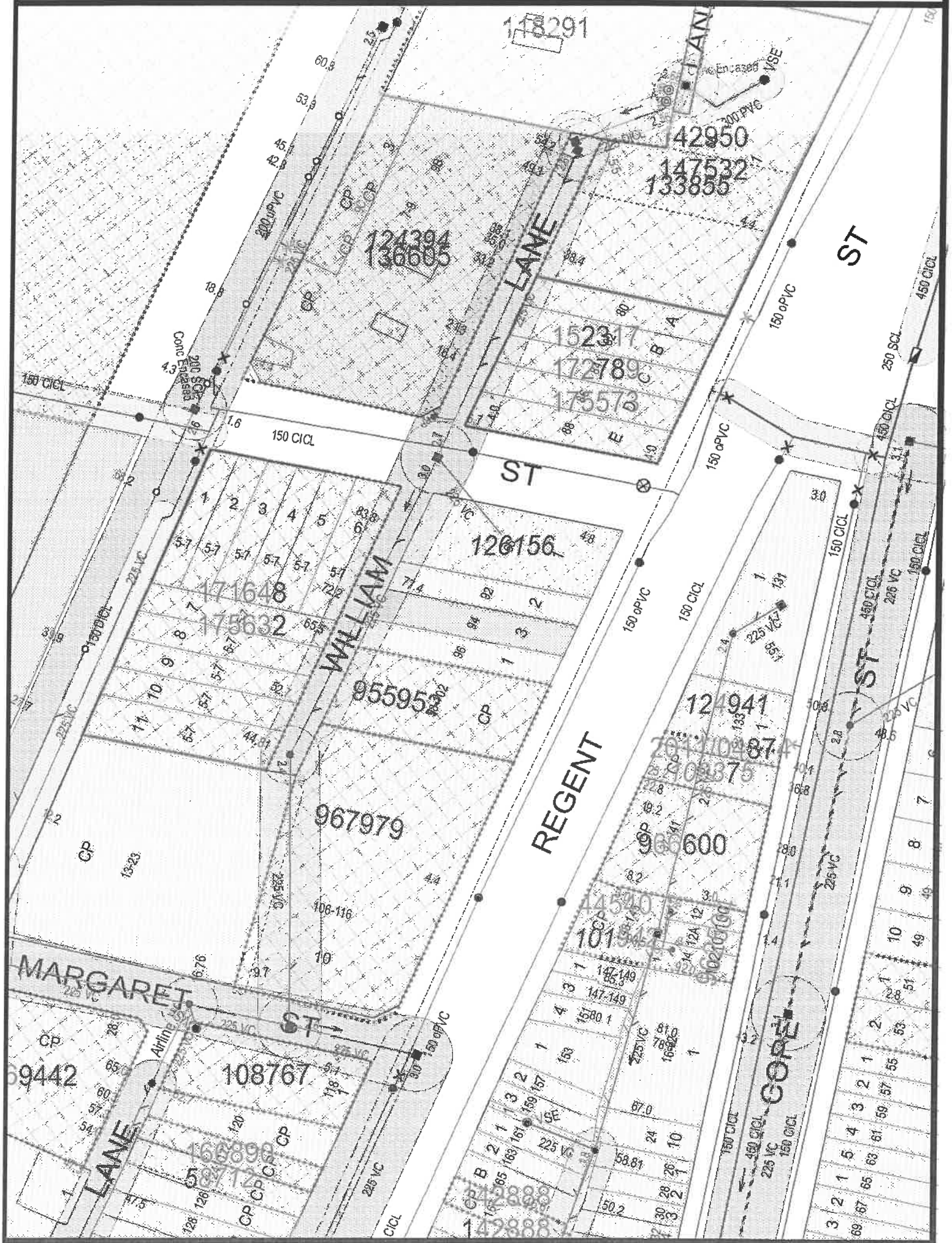
Town Hall House
Level 2
Town Hall House
456 Kent Street
Sydney
8am – 6pm Monday - Friday

State planning controls are available online at www.legislation.nsw.gov.au

Where planning certificate section 10.7 (5) matters are supplied, complete details are available by writing to:
Chief Executive Officer
City of Sydney
G.P.O. Box 1591
Sydney NSW 2000

End of Document

Application No. 10056768 Created on Dec 19, 2018 11:15:31 AM



Disclaimer The information on this print shows if we provide any water, wastewater or stormwater services to this property. It may not be accurate or to scale. If you'd like to see the location of private wastewater pipes on the property, please buy a **Sewer service diagram.**

Application No. 10056769 Created on Dec 19, 2018 11:15:39 AM

DIAGRAM OF SANITARY DRAINAGE

Municipality of SOUTH SYDNEY (REDFERN) SEWER AVAILABLE Diagram No. 24/630

SYMBOLS AND ABBREVIATIONS

Boundary Trap	RV. Reflux Valve	I.P. Induct Pipe	Bsn. Basin
Pit	Cleaning Eye	M.F. Mica Flap	Shr. Shower
G.I. Grease Interceptor	O VERT. Vertical Pipe	T Tubs	W.I.P. Wrought Iron Pipe
Gully	O V.P. Vent. Pipe	K.S. Kitchen Sink	C.I.P. Cast Iron Pipe
P.T. P. Trap	O S.V.P. Soil Vent. Pipe	W.C. Water Closet	F.W. Floor Waste
R.S. Reflux Sink	D.C.C. Down Cast Cowl	B.W. Bath Waste	W.M. Washing Machine

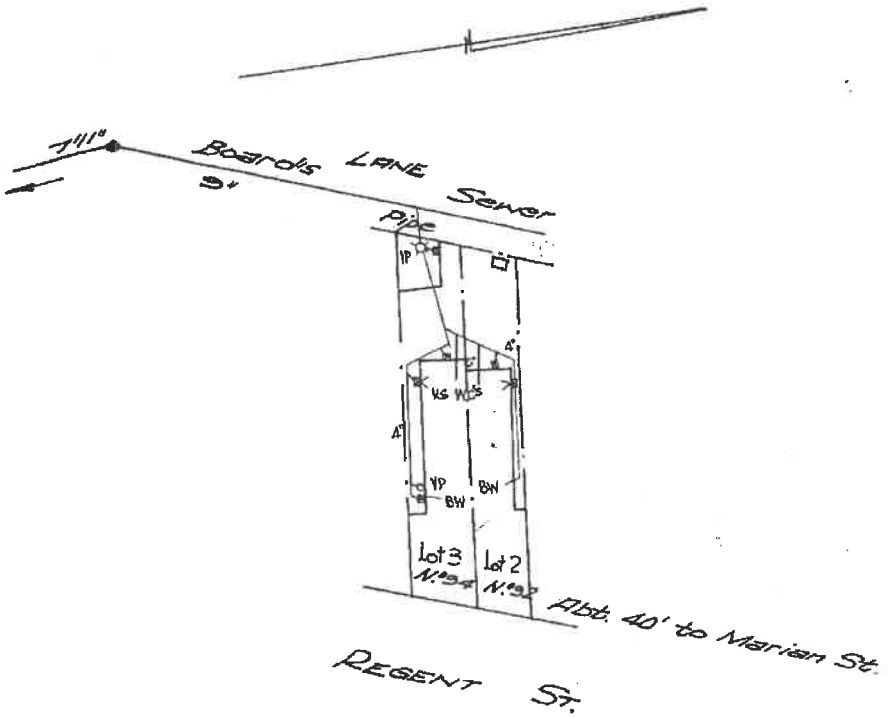
Existing drainage shown by black lines Scale: 40 Feet to an inch ~~Proposed new drainage shown by full blue lines.~~

~~This diagram is the property of the Owner and is to be returned to him on completion of the work.~~

Subject to application, certificates for drainage and sanitary plumbing will be issued to the owner when the work is completed and passed by the Board's Inspector.

~~The Board accepts no responsibility for the suitability of the diagram in relation to the eventual position of the Board's sewer When the sewer becomes available it will be necessary to apply for a revised diagram.~~

This work must be carried out in accordance with the Board's By-laws.



SHEET No. 797

..... 19
FOR ENGINEER-IN-CHIEF

OFFICE USE ONLY 134 065

		DATE			DATE
W.C	Designed by		Inspector	FIRST VISIT SUPERV'SN PASSED	
Bth		/ /		/ / / /	
Shr	Inspector		Date	Inspector	/ /
Bsn	Examined by		Outfall SW HL LL	Checked	/ /
K.S		/ /			
T	Chief Inspector		Drainer	COMPENSATION – MH. AC. VS.	
Plg			is	File / HOV £	/ /

Disclaimer
The information in this diagram shows the private wastewater pipes on this property. It may not be accurate or to scale and may not show our pipes, structures or all property boundaries. If you'd like to see these, please buy a Service location print.

City of Sydney
Town Hall House
456 Kent Street
Sydney NSW 2000

Telephone +61 2 9265 9333
Fax +61 2 9265 9222
council@cityofsydney.nsw.gov.au

GPO Box 1591 Sydney NSW 2001
cityofsydney.nsw.gov.au

INFOTRACK PTY LIMITED
GPO BOX 4029
SYDNEY NSW 2001

PLANNING CERTIFICATE

Under Section 10.7 of the Environmental Planning and Assessment Act, 1979

Applicant:	INFOTRACK PTY LIMITED
Your reference:	1815577
Address of property:	96 Regent Street , REDFERN NSW 2016
Owner:	GGWL INVESTMENTS PTY LTD
Description of land:	Lot 1 DP 184335
Certificate No.:	2018307559
Certificate Date:	12/12/18
Receipt No:	0131957
Fee:	$80.00
Paid:	12/12/18

Title information and description of land are provided from data supplied by the Valuer General and shown where available.

Issuing Officer
per **Monica Barone**
Chief Executive Officer

CERTIFICATE ENQUIRIES:
Ph: 9265 9333
Fax: 9265 9415

Sydney2030/Green/Global/Connected

PLANNING CERTIFICATE UNDER SECTION 10.7 (2) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - ENVIRONMENTAL PLANNING & ASSESSMENT REGULATION, 2000, CLAUSES (1) - (2).

DEVELOPMENT CONTROLS

The following information must be read in conjunction with and subject to all other provisions of the environmental planning instruments specified in this certificate.

ZONING

Zoned Business Zone – Commercial Core - State Environmental Planning Policy (State Significant Precincts) 2005

Clause 9

(2) Development for any of the following purposes is prohibited on land within the Business Zone—Commercial Core:
bulky goods premises; depots; dual occupancies; dwelling houses; hazardous industries; hazardous storage establishments; heavy industries; home occupations (sex services); industries; light industries; offensive industries; offensive storage establishments; restricted premises; sex services premises; transport depots; truck depots; vehicle body repair workshops; warehouses or distribution centres.

(3) Except as otherwise provided by this Policy, development is permitted with consent on land within the Business Zone—Commercial Core unless it is prohibited by subclause (2).

Clause 17 Exempt development

The following development is exempt development if it is carried out on land within the Redfern–Waterloo Authority Sites, is of minimal environmental impact and complies with the criteria set out in the guidelines prepared by the Redfern–Waterloo Authority (and approved by the Minister and made publicly available) for the purposes of this clause:

(a) the temporary use of the land for community events that are open to the general public, including public gatherings, ceremonies, sporting events or outdoor exhibitions,

(b) the erection and use of temporary structures, having minimal visual impact, for the purposes of, or in connection with, any such community event,

(c) the erection and use of outdoor seating, tables and similar furniture located in the public domain and associated with cafes, restaurants, bars and other similar development,

(d) the erection, installation, maintenance and upgrading by or on behalf of a public authority of public furniture, planter boxes, lighting, public art, street signs, bus shelters, public telephone booths or post boxes, or the carrying out by or on behalf of a public authority of street planting, work for the purpose of changing the width or surface of a footpath, and related road works,

(e) the erection, installation, maintenance and upgrading by or on behalf of a public authority in existing public recreation areas of public furniture, shade structures, public art, tables, seats, children's play equipment, barbecues and toilets,

(e1) the carrying out, by or on behalf of a public authority, of landscaping associated with existing public recreation areas,

(f) development for the purposes of real estate signs,

(g) the erection of a flagpole, if the maximum height of the flagpole is not more than 6 metres above existing ground level,

(h) erection of a side or rear boundary fence located behind the front wall of a building, if the fence does not exceed 1.8 metres in height and is not of masonry construction,

(i) the use of premises for a home business,

(j) minor internal alterations to commercial or retail premises, such as fit-out works or the installation of partitions, shelving, benches or workstations, if the alterations are not structural, do not result in the creation of additional floor space and do not change the building classification.

PROPOSED ZONING

This property is not affected by a draft zone.

LOCAL PLANNING CONTROLS

City of Sydney Signage and Advertising Structures Development Control Plan 2005 (commenced 28.03.2005)

City of Sydney Visitor and Tourist Accommodation Development Control Plan 2006 (commenced 24.03.2006)

City of Sydney Telecommunications and Radiocommunications Development Control Plan 2006 (commenced 14.08.2006)

City of Sydney Late Night Trading Premises Development Control Plan 2007 (commenced 01.01.2008)

Planning Proposal Serviced Apartments: Amendment of the following Local Environmental Plans.

- **Sydney Local Environmental Plan 2012;**
- **Sydney Local Environmental Plan 2005;**
- **Sydney Local Environmental Plan (Green Square Town Centre) 2013; and**
- **Sydney Local Environmental Plan (Green Square Town Centre Stage 2) 2013.**

This Planning Proposal explains the intent of, and justification for the proposed amendment to ensure State Environmental Planning Policy No. 65 (SEPP 65) and the Apartment Design Guide provisions apply to serviced apartments.

HERITAGE

State Heritage Register (Amendment To Heritage Act, 1977 Gazetted 2/4/99)
This property may be identified as being of state heritage significance, and entered on the State Heritage Register.

To confirm whether the site is listed under the Heritage Act 1977 a Section 167 Certificate should be obtained from the NSW Heritage Office by contacting the NSW Heritage office on (02) 9873 8500 for an application from or by downloading the application form from www.heritage.nsw.gov.au

STATE PLANNING INSTRUMENTS

Full copies of State Environmental Planning Policies are available online at www.planning.nsw.gov.au.

State Environmental Planning Policy No. 1 – Development Standards

This policy makes development standards more flexible. It allows Council to approve a development proposal that does not comply with a set standard where this can be shown to be unreasonable or unnecessary.

State Environmental Planning Policy No. 19 – Bushland in Urban Areas
This is a policy to protect and preserve bushland within certain urban areas, as part of the natural heritage or for recreational, educational and scientific purposes. This policy is designed to protect bushland in public open space zones and reservations, and to ensure that bush preservation is given a high priority when local environmental plans for urban development are prepared.

State Environmental Planning Policy No. 32 – Urban Consolidation
This policy implements the principles of urban consolidation, including the orderly, economic use and development of land. The policy enables urban land which is no longer required for the purpose for which it is currently zoned or used to be redeveloped for multi-unit housing and related development.

State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
This policy aims to amend the definitions of hazardous and offensive industries; to render ineffective any environmental planning instruments not defining hazardous or offensive as per this policy; to control development of hazardous and offensive industries.

State Environmental Planning Policy No. 55 – Remediation of Land
This policy provides planning controls for the remediation of contaminated land. The policy states that land must not be developed if it is unsuitable for a proposed use because it is contaminated. If the land is unsuitable, remediation must take place before the land is developed. The policy makes remediation permissible across the State, defines when consent is required, requires all remediation to comply with standards, ensures land is investigated if contamination is suspected, and requires councils to be notified of all remediation proposals. To assist councils and developers, the Department, in conjunction with the Environment Protection Authority, has prepared Managing Land Contamination: Planning Guidelines.

State Environmental Planning Policy No. 64 – Advertising and Signage
This policy aims to ensure that signage (including advertising):
Is compatible with the desired amenity and visual character of an area, and
- Provides effective communications in suitable locations, and
- Is of a high quality design and finish.

To this end the policy regulates signage (but not content) under Part 4 of the Act and provides limited time consents for the display of certain advertisements. The policy does not apply to signage that is exempt development under an environmental planning instrument. It does apply to all signage that can be displayed with or without consent and is visible from any public place or reserve, except as provided by the policy.

This policy should be read in conjunction with the Sydney Local Environmental Plan 2005, the City of Sydney Signage and Advertising Structures Development Control Plan 2005 and State Environmental Planning Policy No. 60 where these apply.

State Environmental Planning Policy No. 65 – Design Quality of Residential Flat Buildings
This policy aims to improve the design quality of flats of three or more storeys with four or more self contained dwellings. The policy sets out a series of design principles for local councils to consider when assessing development proposals for residential flat development. The policy also creates a role for an independent design review panel and requires the involvement of a qualified designer in the design and approval process.

State Environmental Planning Policy No.70 – Affordable Housing (Revised Schemes) (Gazetted 31.05.02)
The policy identifies that there is a need for affordable housing in the City of Sydney, describes the kinds of households for which affordable housing may be provided and makes a requirement with respect to the imposition of conditions relating to the provision of affordable housing (provided other requirements under the Act are met).

State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004
This Policy does not apply to land described in Schedule 1 (Environmentally sensitive land), or land that is zoned for industrial purposes, or land to which an interim heritage order made under the *Heritage Act 1997* by the Minister administering that Act applies, or land to which a listing on the State Heritage Register kept under the *Heritage Act 1997* applies.

The Policy aims to encourage the provision of housing (including residential care facilities) that will increase the supply and diversity of residences that meet the needs of seniors or people with a disability, and make efficient use of existing infrastructure and services, and be of good design.

State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004
Aims to ensure consistency in the implementation of the BASIX scheme throughout the State. This Policy achieves its aim by overriding provisions of other environmental planning instruments and development control plans that would otherwise add to, subtract from or modify any obligations arising under the BASIX scheme.

State Environmental Planning Policy (State Significant Precincts) 2005
This Policy aims to identify development of economic, social or environmental significance to the State or regions of the State so as to provide a consistent and comprehensive assessment and decision making process for that development.
NB: This SEPP also contains exempt & complying provisions

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007
This Policy aims to provide for the proper management and development of mineral, petroleum and extractive material resources for the social and economic welfare of the State.

State Environmental Planning Policy (Temporary Structures and Places of Public Entertainment) 2007

This Policy aims to ensure that suitable provision is made for ensuring the safety of persons using temporary structures or places of public entertainment.

State Environmental Planning Policy (Infrastructure) 2007
This Policy aims to facilitate the effective delivery of infrastructure across the state.
NB: This SEPP also contains exempt & complying provisions

State Environmental Planning Policy (Repeal of Concurrence and Referral Provisions) 2008
This Policy is an 'amending instrument' that removes or modifies referral and concurrence clauses within local environmental plans (LEPs), regional environmental plans (REPs) and State environmental planning policies (SEPPs).

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
This Policy Streamlines assessment processes for development that complies with specified development standards. The policy provides exempt and complying development codes that have State-wide application, identifying, in the General Exempt Development Code, types of development that are of minimal environmental impact that may be carried out without the need for development consent; and, in the General Housing Code, types of complying development that may be carried out in accordance with a complying development certificate as defined in the Environmental Planning and Assessment Act 1979.

State Environmental Planning Policy (Affordable Rental Housing) 2009
Establishes a consistent planning regime for the provision of affordable rental housing. The policy provides incentives for new affordable rental housing, facilitates the retention of existing affordable rentals, and expands the role of not-for-profit providers. It also aims to support local centres by providing housing for workers close to places of work, and facilitate development of housing for the homeless and other disadvantaged people. NOTE: Does not apply to land at Green Square or at Ultimo Pyrmont, or on southern employment land.

State Environmental Planning Policy (Urban Renewal) 2010
The aims of this Policy are as follows:
(a) to establish the process for assessing and identifying sites as urban renewal precincts,
(b) to facilitate the orderly and economic development and redevelopment of sites in and around urban renewal precincts,
(c) to facilitate delivery of the objectives of any applicable government State, regional or metropolitan strategies connected with the renewal of urban areas that are accessible by public transport.

State Environmental Planning Policy (State and Regional Development) 2011
The aims of this Policy are as follows:
(a) to identify development that is State significant development,
(b) to identify development that is State significant infrastructure and critical State significant infrastructure,
(c) to confer functions on joint regional planning panels to determine development applications.

State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017
The aims of this Policy are:
(a) to protect the biodiversity values of trees and other vegetation in non-rural areas of the State, and
(b) to preserve the amenity of non-rural areas of the State through the preservation of trees and other vegetation.

State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017
The aim of this Policy is to facilitate the effective delivery of educational establishments and early education and care facilities across the state.

State Environmental Planning Policy (Coastal Management) 2018
The aim of this Policy is to promote an integrated and co-ordinated approach to land use planning in the coastal zone in a manner consistent with the objects of the Coastal

Management Act 2016, including the management objectives for each coastal management area, by:
(a) managing development in the coastal zone and protecting the environmental assets of the coast, and
(b) establishing a framework for land use planning to guide decision-making in the coastal zone, and
(c) mapping the 4 coastal management areas that comprise the NSW coastal zone for the purpose of the definitions in the Coastal Management Act 2016.

Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005
This plan applies to land within the Sydney Harbour Catchment, as shown edged heavy black on the Sydney Harbour Catchment Map, being part of the Sydney Region declared by order published in Gazette No 38 of 7 April 1989 at page 1841.

This plan has the following aims with respect to the Sydney Harbour Catchment:
to ensure that the catchment, foreshores, waterways and islands of Sydney Harbour are recognised, protected and maintained: as outstanding natural asset, and as a public asset of national and heritage significance, for existing and future generations; to ensure a healthy, sustainable environment on land and water; to achieve a high quality urban environment; to ensure a prosperous working waterfront and an effective transport corridor, to encourage a culturally rich and vibrant place for people; to ensure accessibility to and along Sydney Harbour and its foreshores; to ensure the protection, maintenance and rehabilitation of watercourses, wetlands, riparian lands, remnant vegetation and ecological connectivity, to provide a consolidated, simplified and updated legislative framework for future planning.

OTHER MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - E. P. & A. REGULATION, 2000. CLAUSES (3) - (10)

(3) Complying Development
(1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4),1.18(1)(c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

(2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4),1.18(1)(c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.

(3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

Note: All Exempt and Complying Development Codes: Council does not have sufficient information to ascertain the extent of a land based exclusion on a property. Despite any statement preventing the carrying out of complying development in the Codes listed below, complying development may still be carried out providing the development is not on the land affected by the exclusion and meets the requirements and standards of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

General Housing Code & Commercial and Industrial (New Buildings and Additions) Code

Complying development **may not** be carried out on the land under the General Housing Code & the Commercial and Industrial (New Buildings and Additions) Code if because of the provisions of clause 1.17A, 1.18(1)(c3) & 1.19 (Land-based requirements for exempt and complying development) any of the following statements are **YES**

▪ Clause 1.19(5)d. Land that is significantly contaminated land within the meaning of the Contaminated Land Management Act 1997. (Applies only to the Commercial and Industrial (New Buildings and Additions) Code.	NO
▪ Clause 1.17A(d). Has been identified as a property that comprises, or on which there is, an item that is listed on the State Heritage Register under the *Heritage Act 1977* or that is subject to an interim heritage order under the *Heritage Act 1977*.	NO
▪ Clause 1.17A(d) & 1.18(1)(c3). Has been identified as a property that comprises, or on which there is, a heritage item or draft heritage item.	**NO**
▪ Clause 1.17A(c). Has been identified as being within a wilderness area (identified under the *Wilderness Act 1987*.	**NO**
▪ Clause 1.17A(e) & 1.19(1)e or 1.19(5)f. Has been identified as land that is within an environmentally sensitive area or by an environmental planning instrument as being within a buffer area, a river front area, an ecologically sensitive area, environmentally sensitive land or a protected area	**NO**
▪ Clause 1.19(1)a.or 1.19(5)a Has been identified as being within a heritage conservation area or a draft heritage conservation area.	**NO**
▪ Clause 1.19(1)b or 1.19(5)b. Has been identified as being land that is reserved for a public purpose in an environmental planning instrument.	**NO**
▪ Clause 1.19(1)c or 1.19(5)c. Has been identified as being on an Acid Sulfate Soils Map as being Class 1 or Class 2.	**NO**
▪ Clause 1.19(1)d or 1.19(5)e. Has been identified as land that is subject to a biobanking agreement under part 7A of the threatened Species Conservation Act 1995 or a property vegetation plan under the Native Vegetation Act 2003.	**NO**
▪ Clause 1.19(1)f or 1.19(5)g. Has been identified by an environmental planning instrument, a development control plan or a policy adopted by the Council as being or affected by a coastline hazard, a coastal hazard or a coastal erosion hazard.	**NO**
▪ Clause 1.19(1)g or 1.19(5)h. Has been identified as being land in a foreshore area.	**NO**
▪ Clause 1.19(1)h. Has been identified as land that is in the 25 ANEF contour or a higher ANEF contour. (Applies only to the General Housing Code)	**NO**
▪ Clause 1.19(1)j or 1.19(5)i. Has been identified as unsewered land within a drinking water catchment.	**NO**
▪ Clause 1.19(1)i. Has been identified as land that is declared to be a special area under the Sydney Water Catchment Management Act 1998.	**NO**

Housing Alterations Code
Complying development under the Housing Alterations Code **may** be carried out on the land.

Commercial and Industrial Alterations Code

Complying development under the Commercial and Industrial Alterations Code **may** be carried out on the land.

Subdivisions Code
Complying development under the Subdivisions Code **may** be carried out on the land.

Rural Housing Code
The Rural Housing Code does not apply to this Local Government Area.

General Development Code
Complying development under the General Development Code **may** be carried out on the land.

Demolition Code
Complying development under the Demolition Code **may** be carried out on the land.

Low Rise Medium Density Housing Code
This Code has been deferred until 1 July 2019.

(4) Coastal Protection Act, 1979

The council has not been notified by the department of public works that the land is affected by the operation of section 38 or 39 of the coastal protection act, 1979.

(4A) Certain information relating to beaches and coasts

(1) In relation to a coastal council an order has **not** been made under Part 4D of the coastal Protection Act 1979 in relation to temporary coastal protection works (within the meaning of that Act) on the land (or on public land adjacent to that land).

(2) In relation to a coastal council : Council has **not** been notified under section 55X of the Coastal Protection Act 1979 that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land)

(4B) Annual charges under Local Government Act 1993 for coastal protection services that relate to existing coastal protection works

In relation to a coastal council : The owner (or any previous owner) of the land has not consented in writing to the land being subject to annual charges under section 496B of the Local Government Act 1993 for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

Note. "Existing coastal protection works" are works to reduce the impact of coastal hazards on land (such as seawalls, revetments, groynes and beach nourishment) that existed before the commencement of section 553B of the Local Government Act 1993.

(5) Mine Subsidence District

This land has not been proclaimed to be a mine subsidence district within the meaning of section 15 of the mine subsidence compensation act, 1961.

(6) Road Widening and/or Road Realignment affected by (a) Division 2 of Part 3 of the Roads act 1993 or (c) any resolution of council or other authority.

This land **is not** affected by road widening and/or road realignment under section 25 of the Roads Act, 1993 and/or resolution of Council or any other authority.

(6) Road Widening and/or Road Realignment Affected by (b) any environmental planning instrument.

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

(7) Council and other public authorities policies on hazard risk restrictions:

(a) The land **is not** affected by a policy adopted by the Council that that restricts the development of the land because of the likelihood of land slip, bushfire, flooding, tidal inundation, subsidence, acid sulphate soils or any other risk; and

(b) The land **is not** affected by a policy adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to on planning certificate issued by Council, that restricts the development of the land because of the likelihood of land slip, bushfire, flooding, tidal inundation, subsidence, acid sulphate soils or any other risk.

(7A) Flood related development controls information.

The development on this land or part of this land is not subject to flood related development controls.

(8) Land reserved for acquisition

No environmental planning instrument, or proposed environmental planning instrument applying to the land, provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

(9) Contribution plans
The following Contributions Plans apply to properties within the City of Sydney local government area. Contributions plans marked **YES** may apply to this property:

▪ Central Sydney Development Contributions Plan 2013 – in operation 9th July 2013	**NO**
▪ City of Sydney Development Contributions Plan 2015 – in operation 1st July 2016	**YES**
▪ Redfern Waterloo Authority Contributions Plan 2006 – in operation 16th May 2007 ▪ Redfern Waterloo Authority Affordable Housing Contributions Plan – in operation 16th May 2007	**YES**

(9A) Biodiversity certified land

The land has not been certified as biodiversity certified land.

(10) Biobanking Agreement

Council has not been notified of a biobanking agreement under Part 7A of the Threatened Species Conservation Act 1995.

(11) Bush fire prone land

The land has not been identified as Bush fire prone land.

(12) Property vegetation plans

Not Applicable.

(13) Orders under Trees (Disputes Between Neighbours) Act 2006

Council has not been notified of an order which as been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

(14) Directions under Part 3A

Not Applicable.

(15) Site compatibility certificates and conditions for seniors housing

(a) The land to which the certificate relates is not subject to a current site compatibility certificate (seniors housing), of which Council is aware, in respect of proposed development on the land.

(b) The land to which the certificate relates is not subject to any condition of consent to a development application granted after 11 October 2007 required by State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004.

(16) Site compatibility certificates for infrastructure

The land to which the certificate relates is not subject to a valid site compatibility certificate (infrastructure), of which Council is aware, in respect of proposed development on the land.

(17) Site compatibility certificates and conditions for affordable rental housing

(a) The land to which the certificate relates is not subject to a current site compatibility certificate (affordable rental housing), of which Council is aware, in respect of proposed development on the land.

(b) The land to which the certificate relates is not subject to any terms of a kind referred to in clause 17(1) or 37(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 that have been imposed as a condition of consent to a development application in respect of the land.

(18) Paper subdivision information

Not Applicable.

(19) Site verification certificates

The land to which the certificate relates is not subject to a valid site verification certificate of which Council is aware.

(20) Loose-fill asbestos insulation

Not Applicable

(21) Affected building notices and building product rectification orders

(1)The land to which the certificate relates is not subject to any affected building notice of which Council is aware.

(2) (a) The land to which the certificate relates is not subject to any building product rectification order of which Council is aware and has not been fully complied with.

(b) The land to which the certificate relates is not subject to any notice of intention to make a building product rectification order of which Council is aware and is outstanding.

(3) In this clause:
affected building notice has the same meaning as in Part 4 of the Building Products (Safety) Act 2017.
building product rectification order has the same meaning as in the Building Products (Safety) Act 2017.

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) The land to which the certificate relates **is not** declared to be **significantly contaminated land** within the meaning of that act as at the date when the certificate is issued.

(b) The land to which the certificate relates **is not** subject to a **management order** within the meaning of that act as at the date when the certificate is issued.

(c) The land to which the certificate relates **is not** the subject of an **approved voluntary management proposal** within the meaning of that act at the date the certificate is issued.

(d) The land to which the certificate relates **is not** the subject of an **ongoing maintenance order** within the meaning of that act as at the date when the certificate is issued.

(e) As at the date when the certificate is issued, Council **has not** identified that a **site audit statement** within the meaning of that act has been received in respect of the land the subject of the certificate.

PLANNING CERTIFICATE SECTION 10.7 (2) INFORMATION:
Information provided in accordance with planning certificate section 10.7 (2) has been taken from council's records and advice from other authorities but council disclaims all liability for any omission or inaccuracy in the information. Specific inquiry should be made where doubt exists.

PLANNING CERTIFICATE UNDER SECTION 10.7 (5) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

PLANNING CERTIFICATE SECTION 10.7 (5) ADVICE is current as at 12:00 noon two working days prior to the date of issue of this certificate. The following matters have been considered & details provided where information exists: easements in favour of council; parking permit scheme; heritage floor space restrictions; low-rental residential building; foreshore building line; tree preservation order.

Contaminated Land Potential:
Council records do not have sufficient information about the uses (including previous uses) of the land which is the subject of this section 10.7 certificate to confirm that the land has not been used for a purpose which would be likely to have contaminated the land. Parties should make their own enquiries as to whether the land may be contaminated.

Hazard Risk Restriction:
The City of Sydney Local Environmental Plan 2012 incorporates Acid Sulfate soil maps. Development on the land identified in those maps should have regard to Division 4 clause 7.16 of the LEP.

Construction Noise and View Loss Advice:
Intending purchasers are advised that the subject property may be affected by construction noise and loss or diminution of views as a result of surrounding development.

City of Sydney Tree Preservation Order 2004 (TPO)
This order applies to all land where South Sydney Local Environmental Plan 1998 applies and the City of Sydney Council or the Central Sydney Planning Committee is the relevant consent authority under the *Environmental Planning & Assessment* Act 1979. Contact Council's Contract and Asset Management section for more information.

Outstanding Notice & Order information
In relation to this property, there **is not** an outstanding Order or Notice of Intention to issue an Order relating to Fire Safety (being an Order or Notice of Intention to issue an Order of type 6, 10, 11 under Section 121B of the Environmental Planning and Assessment Act, 1979). Further information about the Order or Notice of Intention to issue an Order may be obtained by applying for a certificate under Section 121ZP of the Environmental Planning and Assessment Act and Section 735A of the Local Government Act.

In relation to this property, there **is not** an outstanding Order or Notice of Intention to issue an Order (being an Order or Notice of Intention to issue an Order of a type other than relating to fire safety). Further information about the Order or Notice of Intention to issue an Order may be obtained by applying for a certificate under Section 121ZP of the Environmental Planning and Assessment Act and Section 735A of the Local Government Act.

The Minister is the Consent Authority
The Minister is the consent authority where the capital has an investment value of more than $10 million. State Environmental Planning Policy (Major Projects).

Rail Corridor

The land is within or above a rail corridor, or within 25 metres of a rail corridor, and that Division 15 of Part 2 of State Environmental Planning Policy (Infrastructure 2007) including clauses 86 and 88 applies.

Residential & Visitor Parking Permit Schemes
The City of Sydney co-ordinates a Resident Permit Parking Scheme and a Visitor Permit Parking scheme. This property may be restricted from participating in either scheme. Eligibility may change after the date of this certificate, as parking supply and other traffic demands change. For more information contact Council's call centre on 9265 9333.

ADVICE FROM OTHER BODIES

Advice provided in accordance with planning certificate section 10.7 (5) is supplied in good faith. Council accepts no liability for the validity of the advice given. (see section 10.7 (6) of the Environmental Planning and Assessment Act, 1979).

For information regarding outstanding notices and orders a CERTIFICATE FOR OUTSTANDING NOTICES OF INTENTION AND/OR AN ORDER UNDER SECTION 735A OF THE LOCAL GOVERNMENT ACT, 1993 AND SECTION 121ZP OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979 may be applied for at Sydney City Council.

Planning certificate section 10.7 (2), local planning controls are available are available online at www.cityofsydney.nsw.gov.au

General Enquiries:
Telephone: 02 9265 9333

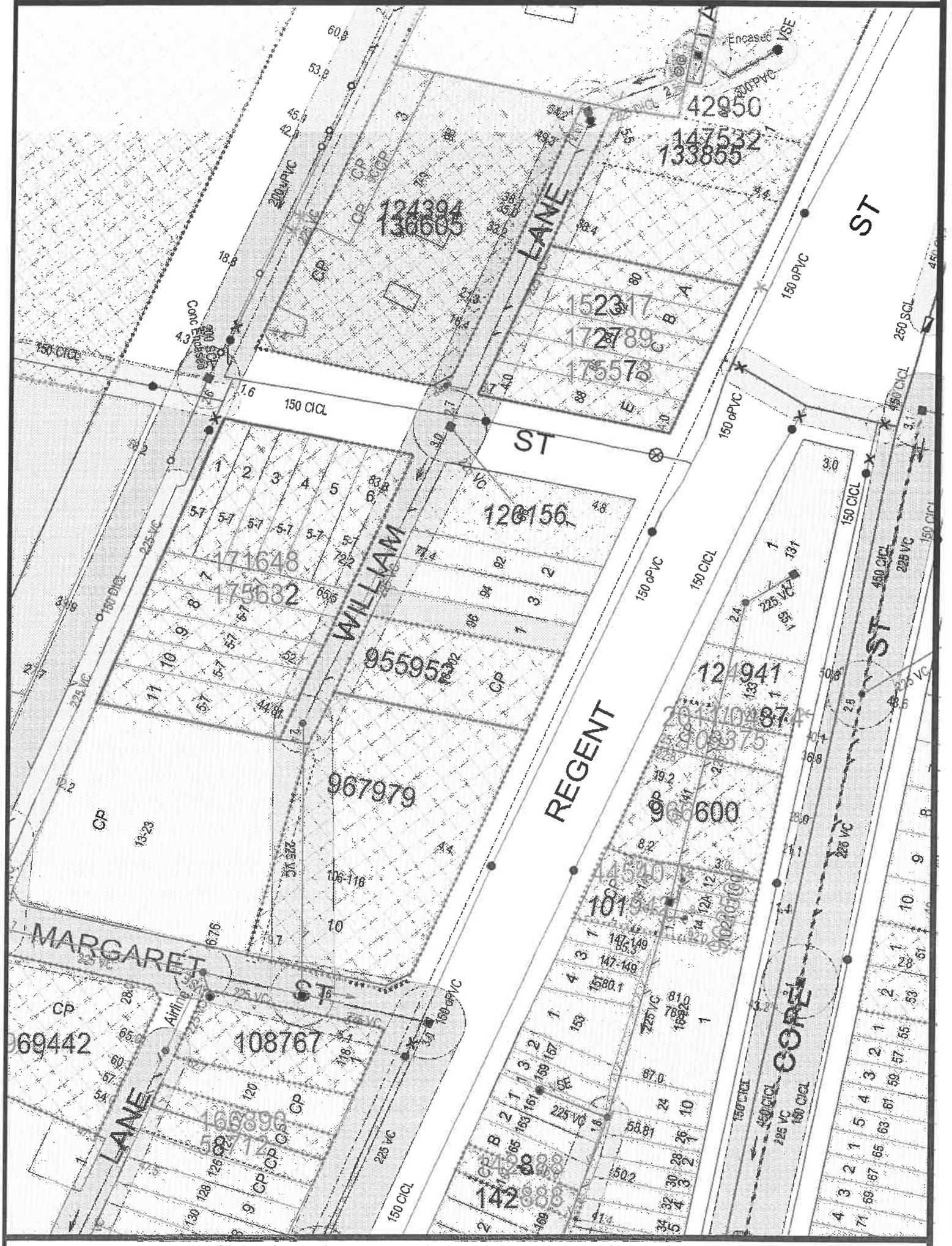
Town Hall House
Level 2
Town Hall House
456 Kent Street
Sydney
8am – 6pm Monday - Friday

State planning controls are available online at www.legislation.nsw.gov.au

Where planning certificate section 10.7 (5) matters are supplied, complete details are available by writing to:
Chief Executive Officer
City of Sydney
G.P.O. Box 1591
Sydney NSW 2000

End of Document

Application No. 10056773 Created on Dec 19, 2018 11:16:46 AM



Disclaimer The information on this print shows if we provide any water, wastewater or stormwater services to this property. It may not be accurate or to scale. If you'd like to see the location of private wastewater pipes on the property, please buy a **Sewer service diagram.**

Application No. 10056772 Created on Dec 19, 2018 11:16:46 AM

DIAGRAM OF SANITARY DRAINAGE

Municipality of SOUTH SYDNEY (REDFERN) SEWER AVAILABLE Diagram No. 241613

SYMBOLS AND ABBREVIATIONS

⊠ Boundary Trap	■ R.V. Reflux Valve	I.P. Induct Pipe		Bsn. Basin
■ Pit	Cleaning Eye	M.F. Mica Flap		Shr. Shower
⊠GI Grease Interceptor	O VERT. Vertical Pipe	T Tubs		W.I.P. Wrought Iron Pipe
⊠ Gully	O V.P. Vent. Pipe	K.S. Kitchen Sink		C.I.P. Cast Iron Pipe
⊠P.T. P. Trap	O S.V.P. Soil Vent. Pipe	W.C. Water Closet		F.W. Floor Waste
⊠RS Reflux Sink	D.C.C. Down Cast Cowl	B.W. Bath Waste		W.M. Washing Machine

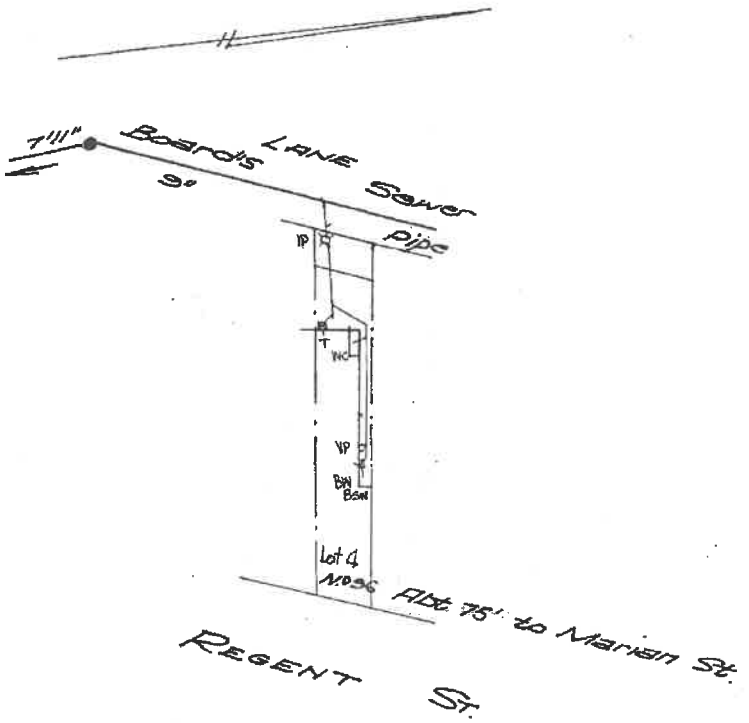
Existing drainage shown by black lines Scale: 40 Feet to an inch ~~Proposed new drainage shown by full blue lines.~~

~~This diagram is the property of the Owner and is to be returned to him on completion of the work.~~

Subject to application, certificates for drainage and sanitary plumbing will be issued to the owner when the work is completed and passed by the Board's Inspector.

~~The Board accepts no responsibility for the suitability of the diagram in relation to the eventual position of the Board's sewer When the sewer becomes available it will be necessary to apply for a revised diagram.~~

~~This~~ work must be carried out in accordance with the Board's By-laws.



SHEET No. 797

..... 19
FOR ENGINEER-IN-CHIEF

OFFICE USE ONLY

		DATE					DATE
..... W.C	Designed by		Inspector	FIRST VISIT	SUPERV'SN	PASSED	
.....Bth	.....	/ /	.....	/ /	/ /		
.....Shr	Inspector						
.....Bsn			Date	Inspector			/ /
.....K.S	Examined by		Outfall ..... SW HL LL	Checked			/ /
..... T	.....	/ /					
.....Plg	Chief Inspector		Drainer	COMPENSATION – MH. AC. VS.			
Dge Int			Boundary Trap ~~is~~	File ... / ... HOV ... £			/ /

Disclaimer
The information in this diagram shows the private wastewater pipes on this property. It may not be accurate or to scale and may not show our pipes, structures or all property boundaries. If you'd like to see these, please buy a **Service location print.**

City of Sydney
Town Hall House
456 Kent Street
Sydney NSW 2000

Telephone +61 2 9265 9333
Fax +61 2 9265 9222
council@cityofsydney.nsw.gov.au

GPO Box 1591 Sydney NSW 2001
cityofsydney.nsw.gov.au

INFOTRACK PTY LIMITED
GPO BOX 4029
SYDNEY NSW 2001

PLANNING CERTIFICATE

Under Section 10.7 of the Environmental Planning and Assessment Act, 1979

Applicant:	INFOTRACK PTY LIMITED
Your reference:	1613687
Address of property:	98-102 Regent Street , REDFERN NSW 2016
Owner:	THE OWNERS - STRATA PLAN NO 57425
Description of land:	Lot 6 DP 878444, Lots 1-11 SP 57425
Certificate No.:	2018307557
Certificate Date:	12/12/18
Receipt No:	0131954
Fee:	$80.00
Paid:	12/12/18

Title information and description of land are provided from data supplied by the Valuer General and shown where available.

Issuing Officer
per **Monica Barone**
Chief Executive Officer

CERTIFICATE ENQUIRIES:
Ph: 9265 9333
Fax: 9265 9415

Sydney2030/Green/Global/Connected

PLANNING CERTIFICATE UNDER SECTION 10.7 (2) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - ENVIRONMENTAL PLANNING & ASSESSMENT REGULATION, 2000, CLAUSES (1) - (2).

DEVELOPMENT CONTROLS

The following information must be read in conjunction with and subject to all other provisions of the environmental planning instruments specified in this certificate.

ZONING

Zoned Business Zone – Commercial Core - State Environmental Planning Policy (State Significant Precincts) 2005

Clause 9

(2) Development for any of the following purposes is prohibited on land within the Business Zone—Commercial Core:
bulky goods premises; depots; dual occupancies; dwelling houses; hazardous industries; hazardous storage establishments; heavy industries; home occupations (sex services); industries; light industries; offensive industries; offensive storage establishments; restricted premises; sex services premises; transport depots; truck depots; vehicle body repair workshops; warehouses or distribution centres.

(3) Except as otherwise provided by this Policy, development is permitted with consent on land within the Business Zone—Commercial Core unless it is prohibited by subclause (2).

Clause 17 Exempt development

The following development is exempt development if it is carried out on land within the Redfern–Waterloo Authority Sites, is of minimal environmental impact and complies with the criteria set out in the guidelines prepared by the Redfern–Waterloo Authority (and approved by the Minister and made publicly available) for the purposes of this clause:

(a) the temporary use of the land for community events that are open to the general public, including public gatherings, ceremonies, sporting events or outdoor exhibitions,

(b) the erection and use of temporary structures, having minimal visual impact, for the purposes of, or in connection with, any such community event,

(c) the erection and use of outdoor seating, tables and similar furniture located in the public domain and associated with cafes, restaurants, bars and other similar development,

(d) the erection, installation, maintenance and upgrading by or on behalf of a public authority of public furniture, planter boxes, lighting, public art, street signs, bus shelters, public telephone booths or post boxes, or the carrying out by or on behalf of a public authority of street planting, work for the purpose of changing the width or surface of a footpath, and related road works,

(e) the erection, installation, maintenance and upgrading by or on behalf of a public authority in existing public recreation areas of public furniture, shade structures, public art, tables, seats, children's play equipment, barbecues and toilets,

(e1) the carrying out, by or on behalf of a public authority, of landscaping associated with existing public recreation areas,

(f) development for the purposes of real estate signs,

(g) the erection of a flagpole, if the maximum height of the flagpole is not more than 6 metres above existing ground level,

(h) erection of a side or rear boundary fence located behind the front wall of a building, if the fence does not exceed 1.8 metres in height and is not of masonry construction,

(i) the use of premises for a home business,

(j) minor internal alterations to commercial or retail premises, such as fit-out works or the installation of partitions, shelving, benches or workstations, if the alterations are not structural, do not result in the creation of additional floor space and do not change the building classification.

PROPOSED ZONING

This property is not affected by a draft zone.

LOCAL PLANNING CONTROLS

City of Sydney Signage and Advertising Structures Development Control Plan 2005 (commenced 28.03.2005)

City of Sydney Visitor and Tourist Accommodation Development Control Plan 2006 (commenced 24.03.2006)

City of Sydney Telecommunications and Radiocommunications Development Control Plan 2006 (commenced 14.08.2006)

City of Sydney Late Night Trading Premises Development Control Plan 2007 (commenced 01.01.2008)

Sydney Development Control Plan 2012 (as amended) - (commenced 14.12.2012)

Planning Proposal Serviced Apartments: Amendment of the following Local Environmental Plans.

- **Sydney Local Environmental Plan 2012;**
- **Sydney Local Environmental Plan 2005;**
- **Sydney Local Environmental Plan (Green Square Town Centre) 2013; and**
- **Sydney Local Environmental Plan (Green Square Town Centre Stage 2) 2013.**

This Planning Proposal explains the intent of, and justification for the proposed amendment to ensure State Environmental Planning Policy No. 65 (SEPP 65) and the Apartment Design Guide provisions apply to serviced apartments.

HERITAGE

State Heritage Register (Amendment To Heritage Act, 1977 Gazetted 2/4/99)
This property may be identified as being of state heritage significance, and entered on the State Heritage Register.

To confirm whether the site is listed under the Heritage Act 1977 a Section 167 Certificate should be obtained from the NSW Heritage Office by contacting the NSW Heritage office on (02) 9873 8500 for an application from or by downloading the application form from www.heritage.nsw.gov.au

STATE PLANNING INSTRUMENTS

Full copies of State Environmental Planning Policies are available online at www.planning.nsw.gov.au.

State Environmental Planning Policy No. 1 – Development Standards

This policy makes development standards more flexible. It allows Council to approve a development proposal that does not comply with a set standard where this can be shown to be unreasonable or unnecessary.

State Environmental Planning Policy No. 19 – Bushland in Urban Areas
This is a policy to protect and preserve bushland within certain urban areas, as part of the natural heritage or for recreational, educational and scientific purposes. This policy is designed to protect bushland in public open space zones and reservations, and to ensure that bush preservation is given a high priority when local environmental plans for urban development are prepared.

State Environmental Planning Policy No. 32 – Urban Consolidation
This policy implements the principles of urban consolidation, including the orderly, economic use and development of land. The policy enables urban land which is no longer required for the purpose for which it is currently zoned or used to be redeveloped for multi-unit housing and related development.

State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
This policy aims to amend the definitions of hazardous and offensive industries; to render ineffective any environmental planning instruments not defining hazardous or offensive as per this policy; to control development of hazardous and offensive industries.

State Environmental Planning Policy No. 55 – Remediation of Land
This policy provides planning controls for the remediation of contaminated land. The policy states that land must not be developed if it is unsuitable for a proposed use because it is contaminated. If the land is unsuitable, remediation must take place before the land is developed. The policy makes remediation permissible across the State, defines when consent is required, requires all remediation to comply with standards, ensures land is investigated if contamination is suspected, and requires councils to be notified of all remediation proposals. To assist councils and developers, the Department, in conjunction with the Environment Protection Authority, has prepared Managing Land Contamination: Planning Guidelines.

State Environmental Planning Policy No. 64 – Advertising and Signage
This policy aims to ensure that signage (including advertising):
Is compatible with the desired amenity and visual character of an area, and
- Provides effective communications in suitable locations, and
- Is of a high quality design and finish.

To this end the policy regulates signage (but not content) under Part 4 of the Act and provides limited time consents for the display of certain advertisements. The policy does not apply to signage that is exempt development under an environmental planning instrument. It does apply to all signage that can be displayed with or without consent and is visible from any public place or reserve, except as provided by the policy.

This policy should be read in conjunction with the Sydney Local Environmental Plan 2005, the City of Sydney Signage and Advertising Structures Development Control Plan 2005 and State Environmental Planning Policy No. 60 where these apply.

State Environmental Planning Policy No. 65 – Design Quality of Residential Flat Buildings
This policy aims to improve the design quality of flats of three or more storeys with four or more self contained dwellings. The policy sets out a series of design principles for local councils to consider when assessing development proposals for residential flat development. The policy also creates a role for an independent design review panel and requires the involvement of a qualified designer in the design and approval process.

State Environmental Planning Policy No.70 – Affordable Housing (Revised Schemes) (Gazetted 31.05.02)
The policy identifies that there is a need for affordable housing in the City of Sydney, describes the kinds of households for which affordable housing may be provided and makes a requirement with respect to the imposition of conditions relating to the provision of affordable housing (provided other requirements under the Act are met).

State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004
This Policy does not apply to land described in Schedule 1 (Environmentally sensitive land), or land that is zoned for industrial purposes, or land to which an interim heritage order made under the *Heritage Act 1997* by the Minister administering that Act applies, or land to which a listing on the State Heritage Register kept under the *Heritage Act 1997* applies.

The Policy aims to encourage the provision of housing (including residential care facilities) that will increase the supply and diversity of residences that meet the needs of seniors or people with a disability, and make efficient use of existing infrastructure and services, and be of good design.

State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004
Aims to ensure consistency in the implementation of the BASIX scheme throughout the State. This Policy achieves its aim by overriding provisions of other environmental planning instruments and development control plans that would otherwise add to, subtract from or modify any obligations arising under the BASIX scheme.

State Environmental Planning Policy (State Significant Precincts) 2005
This Policy aims to identify development of economic, social or environmental significance to the State or regions of the State so as to provide a consistent and comprehensive assessment and decision making process for that development.
NB: This SEPP also contains exempt & complying provisions

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007
This Policy aims to provide for the proper management and development of mineral, petroleum and extractive material resources for the social and economic welfare of the State.

State Environmental Planning Policy (Temporary Structures and Places of Public Entertainment) 2007
This Policy aims to ensure that suitable provision is made for ensuring the safety of persons using temporary structures or places of public entertainment.

State Environmental Planning Policy (Infrastructure) 2007
This Policy aims to facilitate the effective delivery of infrastructure across the state.
NB: This SEPP also contains exempt & complying provisions

State Environmental Planning Policy (Repeal of Concurrence and Referral Provisions) 2008
This Policy is an 'amending instrument' that removes or modifies referral and concurrence clauses within local environmental plans (LEPs), regional environmental plans (REPs) and State environmental planning policies (SEPPs).

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
This Policy Streamlines assessment processes for development that complies with specified development standards. The policy provides exempt and complying development codes that have State-wide application, identifying, in the General Exempt Development Code, types of development that are of minimal environmental impact that may be carried out without the need for development consent; and, in the General Housing Code, types of complying development that may be carried out in accordance with a complying development certificate as defined in the Environmental Planning and Assessment Act 1979.

State Environmental Planning Policy (Affordable Rental Housing) 2009
Establishes a consistent planning regime for the provision of affordable rental housing. The policy provides incentives for new affordable rental housing, facilitates the retention of existing affordable rentals, and expands the role of not-for-profit providers. It also aims to support local centres by providing housing for workers close to places of work, and facilitate development of housing for the homeless and other disadvantaged people. NOTE: Does not apply to land at Green Square or at Ultimo Pyrmont, or on southern employment land.

State Environmental Planning Policy (Urban Renewal) 2010
The aims of this Policy are as follows:
(a) to establish the process for assessing and identifying sites as urban renewal precincts,
(b) to facilitate the orderly and economic development and redevelopment of sites in and around urban renewal precincts,
(c) to facilitate delivery of the objectives of any applicable government State, regional or metropolitan strategies connected with the renewal of urban areas that are accessible by public transport.

State Environmental Planning Policy (State and Regional Development) 2011
The aims of this Policy are as follows:
(a) to identify development that is State significant development,
(b) to identify development that is State significant infrastructure and critical State significant infrastructure,
(c) to confer functions on joint regional planning panels to determine development applications.

State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017
The aims of this Policy are:
(a) to protect the biodiversity values of trees and other vegetation in non-rural areas of the State, and
(b) to preserve the amenity of non-rural areas of the State through the preservation of trees and other vegetation.

State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017
The aim of this Policy is to facilitate the effective delivery of educational establishments and early education and care facilities across the state.

State Environmental Planning Policy (Coastal Management) 2018
The aim of this Policy is to promote an integrated and co-ordinated approach to land use planning in the coastal zone in a manner consistent with the objects of the Coastal

Management Act 2016, including the management objectives for each coastal management area, by:
(a) managing development in the coastal zone and protecting the environmental assets of the coast, and
(b) establishing a framework for land use planning to guide decision-making in the coastal zone, and
(c) mapping the 4 coastal management areas that comprise the NSW coastal zone for the purpose of the definitions in the Coastal Management Act 2016.

Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005
This plan applies to land within the Sydney Harbour Catchment, as shown edged heavy black on the Sydney Harbour Catchment Map, being part of the Sydney Region declared by order published in Gazette No 38 of 7 April 1989 at page 1841.

This plan has the following aims with respect to the Sydney Harbour Catchment:
to ensure that the catchment, foreshores, waterways and islands of Sydney Harbour are recognised, protected and maintained: as outstanding natural asset, and as a public asset of national and heritage significance, for existing and future generations; to ensure a healthy, sustainable environment on land and water; to achieve a high quality urban environment; to ensure a prosperous working waterfront and an effective transport corridor, to encourage a culturally rich and vibrant place for people; to ensure accessibility to and along Sydney Harbour and its foreshores; to ensure the protection, maintenance and rehabilitation of watercourses, wetlands, riparian lands, remnant vegetation and ecological connectivity, to provide a consolidated, simplified and updated legislative framework for future planning.

OTHER MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - E. P. & A. REGULATION, 2000. CLAUSES (3) - (10)

(3) Complying Development
(1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4),1.18(1)(c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

(2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4),1.18(1)(c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.

(3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

Note: All Exempt and Complying Development Codes: Council does not have sufficient information to ascertain the extent of a land based exclusion on a property. Despite any statement preventing the carrying out of complying development in the Codes listed below, complying development may still be carried out providing the development is not on the land affected by the exclusion and meets the requirements and standards of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

General Housing Code & Commercial and Industrial (New Buildings and Additions) Code

Complying development **may not** be carried out on the land under the General Housing Code & the Commercial and Industrial (New Buildings and Additions) Code if because of the provisions of clause 1.17A, 1.18(1)(c3) & 1.19 (Land-based requirements for exempt and complying development) any of the following statements are **YES**

▪ Clause 1.19(5)d. Land that is significantly contaminated land within the meaning of the Contaminated Land Management Act 1997. (Applies only to the Commercial and Industrial (New Buildings and Additions) Code.	NO
▪ Clause 1.17A(d). Has been identified as a property that comprises, or on which there is, an item that is listed on the State Heritage Register under the *Heritage Act 1977* or that is subject to an interim heritage order under the *Heritage Act 1977*.	NO
▪ Clause 1.17A(d) & 1.18(1)(c3). Has been identified as a property that comprises, or on which there is, a heritage item or draft heritage item.	**NO**
▪ Clause 1.17A(c). Has been identified as being within a wilderness area (identified under the *Wilderness Act 1987*.	**NO**
▪ Clause 1.17A(e) & 1.19(1)e or 1.19(5)f. Has been identified as land that is within an environmentally sensitive area or by an environmental planning instrument as being within a buffer area, a river front area, an ecologically sensitive area, environmentally sensitive land or a protected area	**NO**
▪ Clause 1.19(1)a.or 1.19(5)a Has been identified as being within a heritage conservation area or a draft heritage conservation area.	**NO**
▪ Clause 1.19(1)b or 1.19(5)b. Has been identified as being land that is reserved for a public purpose in an environmental planning instrument.	**NO**
▪ Clause 1.19(1)c or 1.19(5)c. Has been identified as being on an Acid Sulfate Soils Map as being Class 1 or Class 2.	**NO**
▪ Clause 1.19(1)d or 1.19(5)e. Has been identified as land that is subject to a biobanking agreement under part 7A of the threatened Species Conservation Act 1995 or a property vegetation plan under the Native Vegetation Act 2003.	**NO**
▪ Clause 1.19(1)f or 1.19(5)g. Has been identified by an environmental planning instrument, a development control plan or a policy adopted by the Council as being or affected by a coastline hazard, a coastal hazard or a coastal erosion hazard.	**NO**
▪ Clause 1.19(1)g or 1.19(5)h. Has been identified as being land in a foreshore area.	**NO**
▪ Clause 1.19(1)h. Has been identified as land that is in the 25 ANEF contour or a higher ANEF contour. (Applies only to the General Housing Code)	**NO**
▪ Clause 1.19(1)j or 1.19(5)i. Has been identified as unsewered land within a drinking water catchment.	**NO**
▪ Clause 1.19(1)i. Has been identified as land that is declared to be a special area under the Sydney Water Catchment Management Act 1998.	**NO**

Housing Alterations Code
Complying development under the Housing Alterations Code **may** be carried out on the land.

Commercial and Industrial Alterations Code

Complying development under the Commercial and Industrial Alterations Code **may** be carried out on the land.

Subdivisions Code
Complying development under the Subdivisions Code **may** be carried out on the land.

Rural Housing Code
The Rural Housing Code does not apply to this Local Government Area.

General Development Code
Complying development under the General Development Code **may** be carried out on the land.

Demolition Code
Complying development under the Demolition Code **may** be carried out on the land.

Low Rise Medium Density Housing Code
This Code has been deferred until 1 July 2019.

(4) Coastal Protection Act, 1979

The council has not been notified by the department of public works that the land is affected by the operation of section 38 or 39 of the coastal protection act, 1979.

(4A) Certain information relating to beaches and coasts

(1) In relation to a coastal council an order has **not** been made under Part 4D of the coastal Protection Act 1979 in relation to temporary coastal protection works (within the meaning of that Act) on the land (or on public land adjacent to that land).

(2) In relation to a coastal council : Council has **not** been notified under section 55X of the Coastal Protection Act 1979 that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land)

(4B) Annual charges under Local Government Act 1993 for coastal protection services that relate to existing coastal protection works

In relation to a coastal council : The owner (or any previous owner) of the land has not consented in writing to the land being subject to annual charges under section 496B of the Local Government Act 1993 for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

Note. "Existing coastal protection works" are works to reduce the impact of coastal hazards on land (such as seawalls, revetments, groynes and beach nourishment) that existed before the commencement of section 553B of the Local Government Act 1993.

(5) Mine Subsidence District

This land has not been proclaimed to be a mine subsidence district within the meaning of section 15 of the mine subsidence compensation act, 1961.

(6) Road Widening and/or Road Realignment affected by (a) Division 2 of Part 3 of the Roads act 1993 or (c) any resolution of council or other authority.

This land **is not** affected by road widening and/or road realignment under section 25 of the Roads Act, 1993 and/or resolution of Council or any other authority.

(6) Road Widening and/or Road Realignment Affected by (b) any environmental planning instrument.

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

(7) Council and other public authorities policies on hazard risk restrictions:

(a) The land **is not** affected by a policy adopted by the Council that that restricts the development of the land because of the likelihood of land slip, bushfire, flooding, tidal inundation, subsidence, acid sulphate soils or any other risk; and

(b) The land **is not** affected by a policy adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to on planning certificate issued by Council, that restricts the development of the land because of the likelihood of land slip, bushfire, flooding, tidal inundation, subsidence, acid sulphate soils or any other risk.

(7A) Flood related development controls information.

The development on this land or part of this land is not subject to flood related development controls.

(8) Land reserved for acquisition

No environmental planning instrument, or proposed environmental planning instrument applying to the land, provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

(9) Contribution plans

The following Contributions Plans apply to properties within the City of Sydney local government area. Contributions plans marked **YES** may apply to this property:

▪ Central Sydney Development Contributions Plan 2013 – in operation 9th July 2013	**NO**
▪ City of Sydney Development Contributions Plan 2015 – in operation 1st July 2016	**YES**
▪ Redfern Waterloo Authority Contributions Plan 2006 – in operation 16th May 2007 ▪ Redfern Waterloo Authority Affordable Housing Contributions Plan – in operation 16th May 2007	**YES**

(9A) Biodiversity certified land

The land has not been certified as biodiversity certified land.

(10) Biobanking Agreement

Council has not been notified of a biobanking agreement under Part 7A of the Threatened Species Conservation Act 1995.

(11) Bush fire prone land

The land has not been identified as Bush fire prone land.

(12) Property vegetation plans

Not Applicable.

(13) Orders under Trees (Disputes Between Neighbours) Act 2006

Council has not been notified of an order which as been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

(14) Directions under Part 3A

Not Applicable.

(15) Site compatibility certificates and conditions for seniors housing

(a) The land to which the certificate relates is not subject to a current site compatibility certificate (seniors housing), of which Council is aware, in respect of proposed development on the land.

(b) The land to which the certificate relates is not subject to any condition of consent to a development application granted after 11 October 2007 required by State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004.

(16) Site compatibility certificates for infrastructure

The land to which the certificate relates is not subject to a valid site compatibility certificate (infrastructure), of which Council is aware, in respect of proposed development on the land.

(17) Site compatibility certificates and conditions for affordable rental housing

(a) The land to which the certificate relates is not subject to a current site compatibility certificate (affordable rental housing), of which Council is aware, in respect of proposed development on the land.

(b) The land to which the certificate relates is not subject to any terms of a kind referred to in clause 17(1) or 37(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 that have been imposed as a condition of consent to a development application in respect of the land.

(18) Paper subdivision information

Not Applicable.

(19) Site verification certificates

The land to which the certificate relates is not subject to a valid site verification certificate of which Council is aware.

(20) Loose-fill asbestos insulation

Not Applicable

(21) Affected building notices and building product rectification orders

(1)The land to which the certificate relates is not subject to any affected building notice of which Council is aware.

(2) (a) The land to which the certificate relates is not subject to any building product rectification order of which Council is aware and has not been fully complied with.

(b) The land to which the certificate relates is not subject to any notice of intention to make a building product rectification order of which Council is aware and is outstanding.

(3) In this clause:
affected building notice has the same meaning as in Part 4 of the Building Products (Safety) Act 2017.
building product rectification order has the same meaning as in the Building Products (Safety) Act 2017.

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) The land to which the certificate relates **is not** declared to be **significantly contaminated land** within the meaning of that act as at the date when the certificate is issued.

(b) The land to which the certificate relates **is not** subject to a **management order** within the meaning of that act as at the date when the certificate is issued.

(c) The land to which the certificate relates **is not** the subject of an **approved voluntary management proposal** within the meaning of that act at the date the certificate is issued.

(d) The land to which the certificate relates **is not** the subject of an **ongoing maintenance order** within the meaning of that act as at the date when the certificate is issued.

(e) As at the date when the certificate is issued, Council **has not** identified that a **site audit statement** within the meaning of that act has been received in respect of the land the subject of the certificate.

PLANNING CERTIFICATE SECTION 10.7 (2) INFORMATION:
Information provided in accordance with planning certificate section 10.7 (2) has been taken from council's records and advice from other authorities but council disclaims all liability for any omission or inaccuracy in the information. Specific inquiry should be made where doubt exists.

PLANNING CERTIFICATE UNDER SECTION 10.7 (5) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

PLANNING CERTIFICATE SECTION 10.7 (5) ADVICE is current as at 12:00 noon two working days prior to the date of issue of this certificate. The following matters have been considered & details provided where information exists: easements in favour of council; parking permit scheme; heritage floor space restrictions; low-rental residential building; foreshore building line; tree preservation order.

Contaminated Land Potential:
Council records do not have sufficient information about the uses (including previous uses) of the land which is the subject of this section 10.7 certificate to confirm that the land has not been used for a purpose which would be likely to have contaminated the land. Parties should make their own enquiries as to whether the land may be contaminated.

Hazard Risk Restriction:
The City of Sydney Local Environmental Plan 2012 incorporates Acid Sulfate soil maps. Development on the land identified in those maps should have regard to Division 4 clause 7.16 of the LEP.

Construction Noise and View Loss Advice:
Intending purchasers are advised that the subject property may be affected by construction noise and loss or diminution of views as a result of surrounding development.

City of Sydney Tree Preservation Order 2004 (TPO)
This order applies to all land where South Sydney Local Environmental Plan 1998 applies and the City of Sydney Council or the Central Sydney Planning Committee is the relevant consent authority under the *Environmental Planning & Assessment* Act 1979. Contact Council's Contract and Asset Management section for more information.

Outstanding Notice & Order information
In relation to this property, there **is not** an outstanding Order or Notice of Intention to issue an Order relating to Fire Safety (being an Order or Notice of Intention to issue an Order of type 6, 10, 11 under Section 121B of the Environmental Planning and Assessment Act, 1979). Further information about the Order or Notice of Intention to issue an Order may be obtained by applying for a certificate under Section 121ZP of the Environmental Planning and Assessment Act and Section 735A of the Local Government Act.

In relation to this property, there **is not** an outstanding Order or Notice of Intention to issue an Order (being an Order or Notice of Intention to issue an Order of a type other than relating to fire safety). Further information about the Order or Notice of Intention to issue an Order may be obtained by applying for a certificate under Section 121ZP of the Environmental Planning and Assessment Act and Section 735A of the Local Government Act.

The Minister is the Consent Authority
The Minister is the consent authority where the capital has an investment value of more than $10 million. State Environmental Planning Policy (Major Projects).

Rail Corridor

The land is within or above a rail corridor, or within 25 metres of a rail corridor, and that Division 15 of Part 2 of State Environmental Planning Policy (Infrastructure 2007) including clauses 86 and 88 applies.

Residential & Visitor Parking Permit Schemes
The City of Sydney co-ordinates a Resident Permit Parking Scheme and a Visitor Permit Parking scheme. This property may be restricted from participating in either scheme. Eligibility may change after the date of this certificate, as parking supply and other traffic demands change. For more information contact Council's call centre on 9265 9333.

ADVICE FROM OTHER BODIES

Advice provided in accordance with planning certificate section 10.7 (5) is supplied in good faith. Council accepts no liability for the validity of the advice given. (see section 10.7 (6) of the Environmental Planning and Assessment Act, 1979).

For information regarding outstanding notices and orders a CERTIFICATE FOR OUTSTANDING NOTICES OF INTENTION AND/OR AN ORDER UNDER SECTION 735A OF THE LOCAL GOVERNMENT ACT, 1993 AND SECTION 121ZP OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979 may be applied for at Sydney City Council.

Planning certificate section 10.7 (2), local planning controls are available are available online at www.cityofsydney.nsw.gov.au

General Enquiries:
Telephone: 02 9265 9333

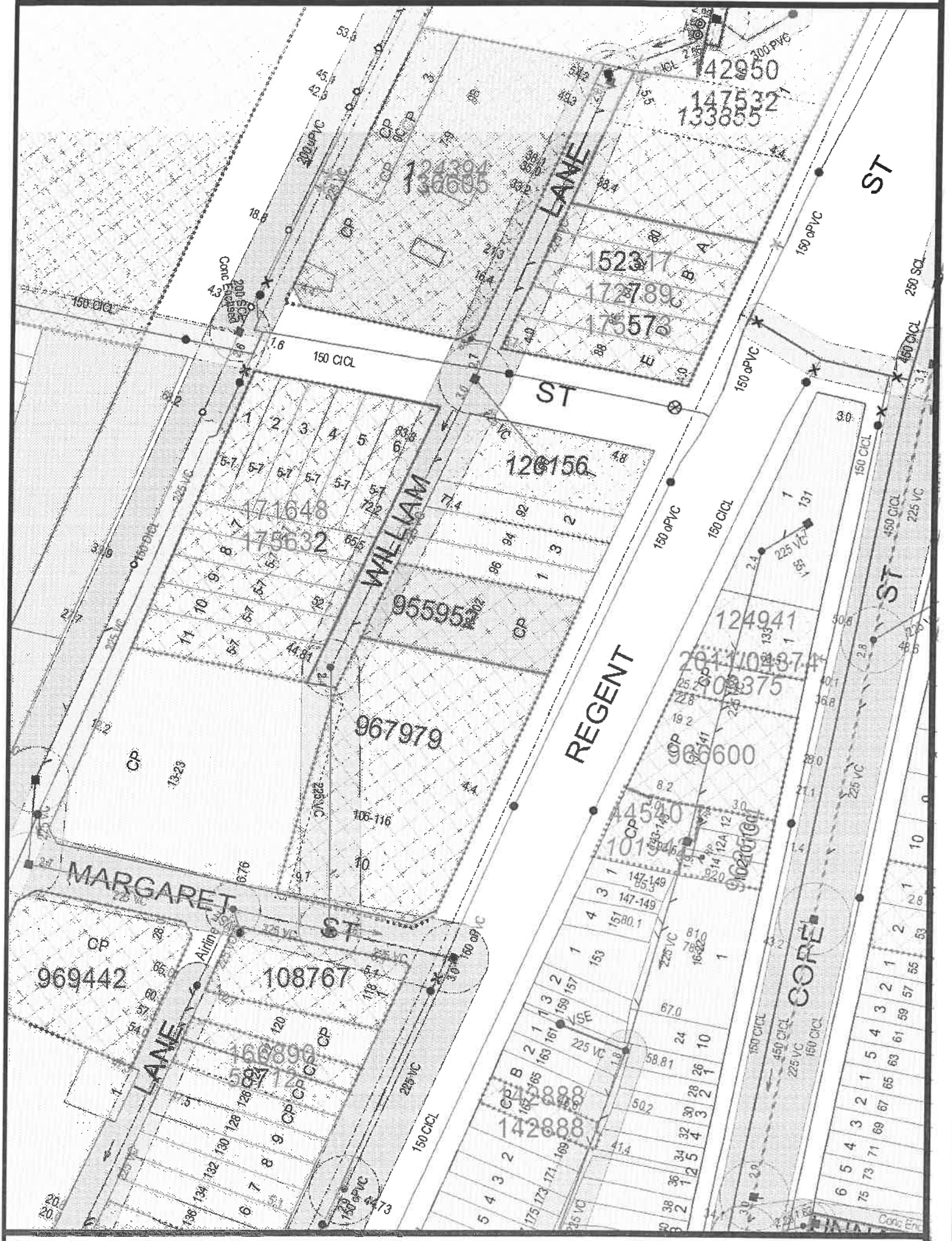
Town Hall House
Level 2
Town Hall House
456 Kent Street
Sydney
8am – 6pm Monday - Friday

State planning controls are available online at www.legislation.nsw.gov.au

Where planning certificate section 10.7 (5) matters are supplied, complete details are available by writing to:
Chief Executive Officer
City of Sydney
G.P.O. Box 1591
Sydney NSW 2000

End of Document

Application No. 10056776 Created on Dec 19, 2018 11:17:13 AM



Disclaimer The information on this print shows if we provide any water, wastewater or stormwater services to this property. It may not be accurate or to scale. If you'd like to see the location of private wastewater pipes on the property, please buy a **Sewer service diagram.**

Application No. 10056775 Created on Dec 19, 2018 11:17:13 AM

DIAGRAM OF SANITARY DRAINAGE

Municipality of SOUTH SYDNEY (Redfern) SEWER AVAILABLE Diagram No. 176651

SYMBOLS AND ABBREVIATIONS

⌑	Boundary Trap	● RV.	Reflux Valve	I.P. Induct Pipe	Bsn. Basin
■	Pit	—|—	Cleaning Eye	M.F. Mica Flap	Shr. Shower
GI	Grease Interceptor	○ VERT.	Vertical Pipe	T Tubs	W.I.P. Wrought Iron Pipe
⊠	Gully	○ V.P.	Vent. Pipe	K.S. Kitchen Sink	C.I.P. Cast Iron Pipe
⊠ P.T.	P. Trap	○ S.V.P.	Soil Vent. Pipe	W.C. Water Closet	F.W. Floor Waste
⊠ RS	Reflux Sink	D.C.C.	Down Cast Cowl	B.W. Bath Waste	W.M. Washing Machine

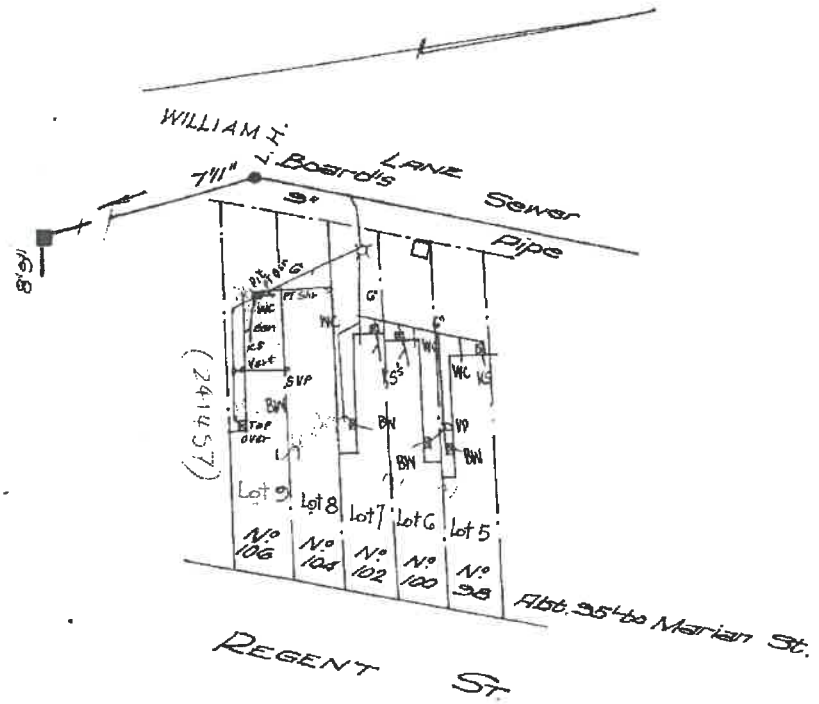
Existing drainage shown by black lines Scale: 40 Feet to an inch Proposed new drainage shown by full blue lines.

~~This diagram is the property of the Owner and is to be returned to him on completion of the work.~~

Subject to application, certificates for drainage and sanitary plumbing will be issued to the owner when the work is completed and passed by the Board's Inspector.

~~The Board accepts no responsibility for the suitability of the diagram in relation to the eventual position of the Board's sewer When the sewer becomes available it will be necessary to apply for a revised diagram.~~

This work must be carried out in accordance with the Board's By-laws.



SHEET No. 797 ..... 19 ..... FOR ENGINEER-IN-CHIEF

OFFICE USE ONLY 401 062 10/611

		DATE			DATE
W.C	Designed by	/ /	Inspector	FIRST VISIT SUPERV'SN PASSED / / / /	
Bth					
Shr	Inspector		Date	Inspector	/ /
Bsn	Examined by		Outfall 5W HL LL	Checked	/ /
K.S		/ /			
T	Chief Inspector		Drainer	COMPENSATION – MH. AC. VS.	
Plg			is	File / HOV £	/ /

Disclaimer
The information in this diagram shows the private wastewater pipes on this property. It may not be accurate or to scale and may not show our pipes, structures or all property boundaries. If you'd like to see these, please buy a Service location print.

City of Sydney
Town Hall House
456 Kent Street
Sydney NSW 2000

Telephone +61 2 9265 9333
Fax +61 2 9265 9222
council@cityofsydney.nsw.gov.au

GPO Box 1591 Sydney NSW 2001
cityofsydney.nsw.gov.au

INFOTRACK PTY LIMITED
GPO BOX 4029
SYDNEY NSW 2001

PLANNING CERTIFICATE

Under Section 10.7 of the Environmental Planning and Assessment Act, 1979

Applicant:	INFOTRACK PTY LIMITED
Your reference:	1815577
Address of property:	92 Regent Street , REDFERN NSW 2016
Owner:	GGWL INVESTMENTS PTY LTD
Description of land:	Lot 2 Sec 2 DP 3954
Certificate No.:	2018307556
Certificate Date:	12/12/18
Receipt No:	0131953
Fee:	$80.00
Paid:	12/12/18

Title information and description of land are provided from data supplied by the Valuer General and shown where available.

Issuing Officer
per **Monica Barone**
Chief Executive Officer

CERTIFICATE ENQUIRIES:
Ph: 9265 9333
Fax: 9265 9415

Sydney2030/Green/Global/Connected

PLANNING CERTIFICATE UNDER SECTION 10.7 (2) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - ENVIRONMENTAL PLANNING & ASSESSMENT REGULATION, 2000, CLAUSES (1) - (2).

DEVELOPMENT CONTROLS

The following information must be read in conjunction with and subject to all other provisions of the environmental planning instruments specified in this certificate.

ZONING

Zoned Business Zone – Commercial Core - State Environmental Planning Policy (State Significant Precincts) 2005

Clause 9

(2) Development for any of the following purposes is prohibited on land within the Business Zone—Commercial Core:
bulky goods premises; depots; dual occupancies; dwelling houses; hazardous industries; hazardous storage establishments; heavy industries; home occupations (sex services); industries; light industries; offensive industries; offensive storage establishments; restricted premises; sex services premises; transport depots; truck depots; vehicle body repair workshops; warehouses or distribution centres.

(3) Except as otherwise provided by this Policy, development is permitted with consent on land within the Business Zone—Commercial Core unless it is prohibited by subclause (2).

Clause 17 Exempt development

The following development is exempt development if it is carried out on land within the Redfern–Waterloo Authority Sites, is of minimal environmental impact and complies with the criteria set out in the guidelines prepared by the Redfern–Waterloo Authority (and approved by the Minister and made publicly available) for the purposes of this clause:

(a) the temporary use of the land for community events that are open to the general public, including public gatherings, ceremonies, sporting events or outdoor exhibitions,

(b) the erection and use of temporary structures, having minimal visual impact, for the purposes of, or in connection with, any such community event,

(c) the erection and use of outdoor seating, tables and similar furniture located in the public domain and associated with cafes, restaurants, bars and other similar development,

(d) the erection, installation, maintenance and upgrading by or on behalf of a public authority of public furniture, planter boxes, lighting, public art, street signs, bus shelters, public telephone booths or post boxes, or the carrying out by or on behalf of a public authority of street planting, work for the purpose of changing the width or surface of a footpath, and related road works,

(e) the erection, installation, maintenance and upgrading by or on behalf of a public authority in existing public recreation areas of public furniture, shade structures, public art, tables, seats, children's play equipment, barbecues and toilets,

(e1) the carrying out, by or on behalf of a public authority, of landscaping associated with existing public recreation areas,

(f) development for the purposes of real estate signs,

(g) the erection of a flagpole, if the maximum height of the flagpole is not more than 6 metres above existing ground level,

(h) erection of a side or rear boundary fence located behind the front wall of a building, if the fence does not exceed 1.8 metres in height and is not of masonry construction,

(i) the use of premises for a home business,

(j) minor internal alterations to commercial or retail premises, such as fit-out works or the installation of partitions, shelving, benches or workstations, if the alterations are not structural, do not result in the creation of additional floor space and do not change the building classification.

PROPOSED ZONING

This property is not affected by a draft zone.

LOCAL PLANNING CONTROLS

City of Sydney Signage and Advertising Structures Development Control Plan 2005 (commenced 28.03.2005)

City of Sydney Visitor and Tourist Accommodation Development Control Plan 2006 (commenced 24.03.2006)

City of Sydney Telecommunications and Radiocommunications Development Control Plan 2006 (commenced 14.08.2006)

City of Sydney Late Night Trading Premises Development Control Plan 2007 (commenced 01.01.2008)

Planning Proposal Serviced Apartments: Amendment of the following Local Environmental Plans.

- **Sydney Local Environmental Plan 2012;**
- **Sydney Local Environmental Plan 2005;**
- **Sydney Local Environmental Plan (Green Square Town Centre) 2013; and**
- **Sydney Local Environmental Plan (Green Square Town Centre Stage 2) 2013.**

This Planning Proposal explains the intent of, and justification for the proposed amendment to ensure State Environmental Planning Policy No. 65 (SEPP 65) and the Apartment Design Guide provisions apply to serviced apartments.

HERITAGE

State Heritage Register (Amendment To Heritage Act, 1977 Gazetted 2/4/99)
This property may be identified as being of state heritage significance, and entered on the State Heritage Register.

To confirm whether the site is listed under the Heritage Act 1977 a Section 167 Certificate should be obtained from the NSW Heritage Office by contacting the NSW Heritage office on (02) 9873 8500 for an application from or by downloading the application form from www.heritage.nsw.gov.au

STATE PLANNING INSTRUMENTS

Full copies of State Environmental Planning Policies are available online at www.planning.nsw.gov.au.

State Environmental Planning Policy No. 1 – Development Standards

This policy makes development standards more flexible. It allows Council to approve a development proposal that does not comply with a set standard where this can be shown to be unreasonable or unnecessary.

State Environmental Planning Policy No. 19 – Bushland in Urban Areas
This is a policy to protect and preserve bushland within certain urban areas, as part of the natural heritage or for recreational, educational and scientific purposes. This policy is designed to protect bushland in public open space zones and reservations, and to ensure that bush preservation is given a high priority when local environmental plans for urban development are prepared.

State Environmental Planning Policy No. 32 – Urban Consolidation
This policy implements the principles of urban consolidation, including the orderly, economic use and development of land. The policy enables urban land which is no longer required for the purpose for which it is currently zoned or used to be redeveloped for multi-unit housing and related development.

State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
This policy aims to amend the definitions of hazardous and offensive industries; to render ineffective any environmental planning instruments not defining hazardous or offensive as per this policy; to control development of hazardous and offensive industries.

State Environmental Planning Policy No. 55 – Remediation of Land
This policy provides planning controls for the remediation of contaminated land. The policy states that land must not be developed if it is unsuitable for a proposed use because it is contaminated. If the land is unsuitable, remediation must take place before the land is developed. The policy makes remediation permissible across the State, defines when consent is required, requires all remediation to comply with standards, ensures land is investigated if contamination is suspected, and requires councils to be notified of all remediation proposals. To assist councils and developers, the Department, in conjunction with the Environment Protection Authority, has prepared Managing Land Contamination: Planning Guidelines.

State Environmental Planning Policy No. 64 – Advertising and Signage
This policy aims to ensure that signage (including advertising):
Is compatible with the desired amenity and visual character of an area, and
- Provides effective communications in suitable locations, and
- Is of a high quality design and finish.

To this end the policy regulates signage (but not content) under Part 4 of the Act and provides limited time consents for the display of certain advertisements. The policy does not apply to signage that is exempt development under an environmental planning instrument. It does apply to all signage that can be displayed with or without consent and is visible from any public place or reserve, except as provided by the policy.

This policy should be read in conjunction with the Sydney Local Environmental Plan 2005, the City of Sydney Signage and Advertising Structures Development Control Plan 2005 and State Environmental Planning Policy No. 60 where these apply.

State Environmental Planning Policy No. 65 – Design Quality of Residential Flat Buildings
This policy aims to improve the design quality of flats of three or more storeys with four or more self contained dwellings. The policy sets out a series of design principles for local councils to consider when assessing development proposals for residential flat development. The policy also creates a role for an independent design review panel and requires the involvement of a qualified designer in the design and approval process.

State Environmental Planning Policy No.70 – Affordable Housing (Revised Schemes) (Gazetted 31.05.02)
The policy identifies that there is a need for affordable housing in the City of Sydney, describes the kinds of households for which affordable housing may be provided and makes a requirement with respect to the imposition of conditions relating to the provision of affordable housing (provided other requirements under the Act are met).

State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004
This Policy does not apply to land described in Schedule 1 (Environmentally sensitive land), or land that is zoned for industrial purposes, or land to which an interim heritage order made under the *Heritage Act 1997* by the Minister administering that Act applies, or land to which a listing on the State Heritage Register kept under the *Heritage Act 1997* applies.

The Policy aims to encourage the provision of housing (including residential care facilities) that will increase the supply and diversity of residences that meet the needs of seniors or people with a disability, and make efficient use of existing infrastructure and services, and be of good design.

State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004
Aims to ensure consistency in the implementation of the BASIX scheme throughout the State. This Policy achieves its aim by overriding provisions of other environmental planning instruments and development control plans that would otherwise add to, subtract from or modify any obligations arising under the BASIX scheme.

State Environmental Planning Policy (State Significant Precincts) 2005
This Policy aims to identify development of economic, social or environmental significance to the State or regions of the State so as to provide a consistent and comprehensive assessment and decision making process for that development.
NB: This SEPP also contains exempt & complying provisions

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007
This Policy aims to provide for the proper management and development of mineral, petroleum and extractive material resources for the social and economic welfare of the State.

State Environmental Planning Policy (Temporary Structures and Places of Public Entertainment) 2007
This Policy aims to ensure that suitable provision is made for ensuring the safety of persons using temporary structures or places of public entertainment.

State Environmental Planning Policy (Infrastructure) 2007
This Policy aims to facilitate the effective delivery of infrastructure across the state.
NB: This SEPP also contains exempt & complying provisions

State Environmental Planning Policy (Repeal of Concurrence and Referral Provisions) 2008
This Policy is an 'amending instrument' that removes or modifies referral and concurrence clauses within local environmental plans (LEPs), regional environmental plans (REPs) and State environmental planning policies (SEPPs).

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
This Policy Streamlines assessment processes for development that complies with specified development standards. The policy provides exempt and complying development codes that have State-wide application, identifying, in the General Exempt Development Code, types of development that are of minimal environmental impact that may be carried out without the need for development consent; and, in the General Housing Code, types of complying development that may be carried out in accordance with a complying development certificate as defined in the Environmental Planning and Assessment Act 1979.

State Environmental Planning Policy (Affordable Rental Housing) 2009
Establishes a consistent planning regime for the provision of affordable rental housing. The policy provides incentives for new affordable rental housing, facilitates the retention of existing affordable rentals, and expands the role of not-for-profit providers. It also aims to support local centres by providing housing for workers close to places of work, and facilitate development of housing for the homeless and other disadvantaged people. NOTE: Does not apply to land at Green Square or at Ultimo Pyrmont, or on southern employment land.

State Environmental Planning Policy (Urban Renewal) 2010
The aims of this Policy are as follows:
(a) to establish the process for assessing and identifying sites as urban renewal precincts,
(b) to facilitate the orderly and economic development and redevelopment of sites in and around urban renewal precincts,
(c) to facilitate delivery of the objectives of any applicable government State, regional or metropolitan strategies connected with the renewal of urban areas that are accessible by public transport.

State Environmental Planning Policy (State and Regional Development) 2011
The aims of this Policy are as follows:
(a) to identify development that is State significant development,
(b) to identify development that is State significant infrastructure and critical State significant infrastructure,
(c) to confer functions on joint regional planning panels to determine development applications.

State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017
The aims of this Policy are:
(a) to protect the biodiversity values of trees and other vegetation in non-rural areas of the State, and
(b) to preserve the amenity of non-rural areas of the State through the preservation of trees and other vegetation.

State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017
The aim of this Policy is to facilitate the effective delivery of educational establishments and early education and care facilities across the state.

State Environmental Planning Policy (Coastal Management) 2018
The aim of this Policy is to promote an integrated and co-ordinated approach to land use planning in the coastal zone in a manner consistent with the objects of the Coastal

Management Act 2016, including the management objectives for each coastal management area, by:
(a) managing development in the coastal zone and protecting the environmental assets of the coast, and
(b) establishing a framework for land use planning to guide decision-making in the coastal zone, and
(c) mapping the 4 coastal management areas that comprise the NSW coastal zone for the purpose of the definitions in the Coastal Management Act 2016.

Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005
This plan applies to land within the Sydney Harbour Catchment, as shown edged heavy black on the Sydney Harbour Catchment Map, being part of the Sydney Region declared by order published in Gazette No 38 of 7 April 1989 at page 1841.

This plan has the following aims with respect to the Sydney Harbour Catchment:
to ensure that the catchment, foreshores, waterways and islands of Sydney Harbour are recognised, protected and maintained: as outstanding natural asset, and as a public asset of national and heritage significance, for existing and future generations; to ensure a healthy, sustainable environment on land and water; to achieve a high quality urban environment; to ensure a prosperous working waterfront and an effective transport corridor, to encourage a culturally rich and vibrant place for people; to ensure accessibility to and along Sydney Harbour and its foreshores; to ensure the protection, maintenance and rehabilitation of watercourses, wetlands, riparian lands, remnant vegetation and ecological connectivity, to provide a consolidated, simplified and updated legislative framework for future planning.

OTHER MATTERS AFFECTING THE LAND AS PRESCRIBED BY SCHEDULE 4 - E. P. & A. REGULATION, 2000. CLAUSES (3) - (10)

(3) Complying Development
(1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4),1.18(1)(c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

(2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4),1.18(1)(c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.

(3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

Note: All Exempt and Complying Development Codes: Council does not have sufficient information to ascertain the extent of a land based exclusion on a property. Despite any statement preventing the carrying out of complying development in the Codes listed below, complying development may still be carried out providing the development is not on the land affected by the exclusion and meets the requirements and standards of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

General Housing Code & Commercial and Industrial (New Buildings and Additions) Code

Complying development **may not** be carried out on the land under the General Housing Code & the Commercial and Industrial (New Buildings and Additions) Code if because of the provisions of clause 1.17A, 1.18(1)(c3) & 1.19 (Land-based requirements for exempt and complying development) any of the following statements are **YES**

▪ Clause 1.19(5)d. Land that is significantly contaminated land within the meaning of the Contaminated Land Management Act 1997. (Applies only to the Commercial and Industrial (New Buildings and Additions) Code.	NO
▪ Clause 1.17A(d). Has been identified as a property that comprises, or on which there is, an item that is listed on the State Heritage Register under the *Heritage Act 1977* or that is subject to an interim heritage order under the *Heritage Act 1977*.	NO
▪ Clause 1.17A(d) & 1.18(1)(c3). Has been identified as a property that comprises, or on which there is, a heritage item or draft heritage item.	**NO**
▪ Clause 1.17A(c). Has been identified as being within a wilderness area (identified under the *Wilderness Act 1987*.	**NO**
▪ Clause 1.17A(e) & 1.19(1)e or 1.19(5)f. Has been identified as land that is within an environmentally sensitive area or by an environmental planning instrument as being within a buffer area, a river front area, an ecologically sensitive area, environmentally sensitive land or a protected area	**NO**
▪ Clause 1.19(1)a.or 1.19(5)a Has been identified as being within a heritage conservation area or a draft heritage conservation area.	**NO**
▪ Clause 1.19(1)b or 1.19(5)b. Has been identified as being land that is reserved for a public purpose in an environmental planning instrument.	**NO**
▪ Clause 1.19(1)c or 1.19(5)c. Has been identified as being on an Acid Sulfate Soils Map as being Class 1 or Class 2.	**NO**
▪ Clause 1.19(1)d or 1.19(5)e. Has been identified as land that is subject to a biobanking agreement under part 7A of the threatened Species Conservation Act 1995 or a property vegetation plan under the Native Vegetation Act 2003.	**NO**
▪ Clause 1.19(1)f or 1.19(5)g. Has been identified by an environmental planning instrument, a development control plan or a policy adopted by the Council as being or affected by a coastline hazard, a coastal hazard or a coastal erosion hazard.	**NO**
▪ Clause 1.19(1)g or 1.19(5)h. Has been identified as being land in a foreshore area.	**NO**
▪ Clause 1.19(1)h. Has been identified as land that is in the 25 ANEF contour or a higher ANEF contour. (Applies only to the General Housing Code)	**NO**
▪ Clause 1.19(1)j or 1.19(5)i. Has been identified as unsewered land within a drinking water catchment.	**NO**
▪ Clause 1.19(1)i. Has been identified as land that is declared to be a special area under the Sydney Water Catchment Management Act 1998.	**NO**

Housing Alterations Code
Complying development under the Housing Alterations Code **may** be carried out on the land.

Commercial and Industrial Alterations Code

Complying development under the Commercial and Industrial Alterations Code **may** be carried out on the land.

Subdivisions Code
Complying development under the Subdivisions Code **may** be carried out on the land.

Rural Housing Code
The Rural Housing Code does not apply to this Local Government Area.

General Development Code
Complying development under the General Development Code **may** be carried out on the land.

Demolition Code
Complying development under the Demolition Code **may** be carried out on the land.

Low Rise Medium Density Housing Code
This Code has been deferred until 1 July 2019.

(4) Coastal Protection Act, 1979

The council has not been notified by the department of public works that the land is affected by the operation of section 38 or 39 of the coastal protection act, 1979.

(4A) Certain information relating to beaches and coasts

(1) In relation to a coastal council an order has **not** been made under Part 4D of the coastal Protection Act 1979 in relation to temporary coastal protection works (within the meaning of that Act) on the land (or on public land adjacent to that land).

(2) In relation to a coastal council : Council has **not** been notified under section 55X of the Coastal Protection Act 1979 that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land)

(4B) Annual charges under Local Government Act 1993 for coastal protection services that relate to existing coastal protection works

In relation to a coastal council : The owner (or any previous owner) of the land has not consented in writing to the land being subject to annual charges under section 496B of the Local Government Act 1993 for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

Note. "Existing coastal protection works" are works to reduce the impact of coastal hazards on land (such as seawalls, revetments, groynes and beach nourishment) that existed before the commencement of section 553B of the Local Government Act 1993.

(5) Mine Subsidence District

This land has not been proclaimed to be a mine subsidence district within the meaning of section 15 of the mine subsidence compensation act, 1961.

(6) Road Widening and/or Road Realignment affected by (a) Division 2 of Part 3 of the Roads act 1993 or (c) any resolution of council or other authority.

This land **is not** affected by road widening and/or road realignment under section 25 of the Roads Act, 1993 and/or resolution of Council or any other authority.

(6) Road Widening and/or Road Realignment Affected by (b) any environmental planning instrument.

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

(7) Council and other public authorities policies on hazard risk restrictions:

(a) The land **is** affected by the **City of Sydney Contaminated Land Development Control Plan 2004** adopted by the Council which may restrict the land if the potential for the risk of land contamination exists; and

(b) The land **is not** affected by a policy adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to on planning certificate issued by Council, that restricts the development of the land because of the likelihood of land slip, bushfire, flooding, tidal inundation, subsidence, acid sulphate soils or any other risk.

(7A) Flood related development controls information.

The development on this land or part of this land is not subject to flood related development controls.

(8) Land reserved for acquisition

No environmental planning instrument, or proposed environmental planning instrument applying to the land, provides for the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

(9) Contribution plans

The following Contributions Plans apply to properties within the City of Sydney local government area. Contributions plans marked **YES** may apply to this property:

▪ Central Sydney Development Contributions Plan 2013 – in operation 9th July 2013	**NO**
▪ City of Sydney Development Contributions Plan 2015 – in operation 1st July 2016	**YES**
▪ Redfern Waterloo Authority Contributions Plan 2006 – in operation 16th May 2007 ▪ Redfern Waterloo Authority Affordable Housing Contributions Plan – in operation 16th May 2007	**YES**

(9A) Biodiversity certified land

The land has not been certified as biodiversity certified land.

(10) Biobanking Agreement

Council has not been notified of a biobanking agreement under Part 7A of the Threatened Species Conservation Act 1995.

(11) Bush fire prone land

The land has not been identified as Bush fire prone land.

(12) Property vegetation plans

Not Applicable.

(13) Orders under Trees (Disputes Between Neighbours) Act 2006

Council has not been notified of an order which as been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

(14) Directions under Part 3A

Not Applicable.

(15) Site compatibility certificates and conditions for seniors housing

(a) The land to which the certificate relates is not subject to a current site compatibility certificate (seniors housing), of which Council is aware, in respect of proposed development on the land.

(b) The land to which the certificate relates is not subject to any condition of consent to a development application granted after 11 October 2007 required by State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004.

(16) Site compatibility certificates for infrastructure

The land to which the certificate relates is not subject to a valid site compatibility certificate (infrastructure), of which Council is aware, in respect of proposed development on the land.

(17) Site compatibility certificates and conditions for affordable rental housing

(a) The land to which the certificate relates is not subject to a current site compatibility certificate (affordable rental housing), of which Council is aware, in respect of proposed development on the land.

(b) The land to which the certificate relates is not subject to any terms of a kind referred to in clause 17(1) or 37(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 that have been imposed as a condition of consent to a development application in respect of the land.

(18) Paper subdivision information

Not Applicable.

(19) Site verification certificates

The land to which the certificate relates is not subject to a valid site verification certificate of which Council is aware.

(20) Loose-fill asbestos insulation

Not Applicable

(21) Affected building notices and building product rectification orders

(1)The land to which the certificate relates is not subject to any affected building notice of which Council is aware.

(2) (a) The land to which the certificate relates is not subject to any building product rectification order of which Council is aware and has not been fully complied with.

(b) The land to which the certificate relates is not subject to any notice of intention to make a building product rectification order of which Council is aware and is outstanding.

(3) In this clause:
affected building notice has the same meaning as in Part 4 of the Building Products (Safety) Act 2017.
building product rectification order has the same meaning as in the Building Products (Safety) Act 2017.

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) The land to which the certificate relates **is not** declared to be **significantly contaminated land** within the meaning of that act as at the date when the certificate is issued.

(b) The land to which the certificate relates **is not** subject to a **management order** within the meaning of that act as at the date when the certificate is issued.

(c) The land to which the certificate relates **is not** the subject of an **approved voluntary management proposal** within the meaning of that act at the date the certificate is issued.

(d) The land to which the certificate relates **is not** the subject of an **ongoing maintenance order** within the meaning of that act as at the date when the certificate is issued.

(e) As at the date when the certificate is issued, Council **has not** identified that a **site audit statement** within the meaning of that act has been received in respect of the land the subject of the certificate.

PLANNING CERTIFICATE SECTION 10.7 (2) INFORMATION:
Information provided in accordance with planning certificate section 10.7 (2) has been taken from council's records and advice from other authorities but council disclaims all liability for any omission or inaccuracy in the information. Specific inquiry should be made where doubt exists.

PLANNING CERTIFICATE UNDER SECTION 10.7 (5) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

PLANNING CERTIFICATE SECTION 10.7 (5) ADVICE is current as at 12:00 noon two working days prior to the date of issue of this certificate. The following matters have been considered & details provided where information exists: easements in favour of council; parking permit scheme; heritage floor space restrictions; low-rental residential building; foreshore building line; tree preservation order.

Contaminated Land Potential:
Council records do not have sufficient information about the uses (including previous uses) of the land which is the subject of this section 10.7 certificate to confirm that the land has not been used for a purpose which would be likely to have contaminated the land. Parties should make their own enquiries as to whether the land may be contaminated.

Hazard Risk Restriction:
The City of Sydney Local Environmental Plan 2012 incorporates Acid Sulfate soil maps. Development on the land identified in those maps should have regard to Division 4 clause 7.16 of the LEP.

Construction Noise and View Loss Advice:
Intending purchasers are advised that the subject property may be affected by construction noise and loss or diminution of views as a result of surrounding development.

City of Sydney Tree Preservation Order 2004 (TPO)
This order applies to all land where South Sydney Local Environmental Plan 1998 applies and the City of Sydney Council or the Central Sydney Planning Committee is the relevant consent authority under the *Environmental Planning & Assessment* Act 1979. Contact Council's Contract and Asset Management section for more information.

Outstanding Notice & Order information
In relation to this property, there **is not** an outstanding Order or Notice of Intention to issue an Order relating to Fire Safety (being an Order or Notice of Intention to issue an Order of type 6, 10, 11 under Section 121B of the Environmental Planning and Assessment Act, 1979). Further information about the Order or Notice of Intention to issue an Order may be obtained by applying for a certificate under Section 121ZP of the Environmental Planning and Assessment Act and Section 735A of the Local Government Act.

In relation to this property, there **is not** an outstanding Order or Notice of Intention to issue an Order (being an Order or Notice of Intention to issue an Order of a type other than relating to fire safety). Further information about the Order or Notice of Intention to issue an Order may be obtained by applying for a certificate under Section 121ZP of the Environmental Planning and Assessment Act and Section 735A of the Local Government Act.

The Minister is the Consent Authority
The Minister is the consent authority where the capital has an investment value of more than $10 million. State Environmental Planning Policy (Major Projects).

Rail Corridor

The land is within or above a rail corridor, or within 25 metres of a rail corridor, and that Division 15 of Part 2 of State Environmental Planning Policy (Infrastructure 2007) including clauses 86 and 88 applies.

Residential & Visitor Parking Permit Schemes
The City of Sydney co-ordinates a Resident Permit Parking Scheme and a Visitor Permit Parking scheme. This property may be restricted from participating in either scheme. Eligibility may change after the date of this certificate, as parking supply and other traffic demands change. For more information contact Council's call centre on 9265 9333.

ADVICE FROM OTHER BODIES

Advice provided in accordance with planning certificate section 10.7 (5) is supplied in good faith. Council accepts no liability for the validity of the advice given. (see section 10.7 (6) of the Environmental Planning and Assessment Act, 1979).

For information regarding outstanding notices and orders a CERTIFICATE FOR OUTSTANDING NOTICES OF INTENTION AND/OR AN ORDER UNDER SECTION 735A OF THE LOCAL GOVERNMENT ACT, 1993 AND SECTION 121ZP OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979 may be applied for at Sydney City Council.

Planning certificate section 10.7 (2), local planning controls are available are available online at www.cityofsydney.nsw.gov.au

General Enquiries:
Telephone: 02 9265 9333

Town Hall House
Level 2
Town Hall House
456 Kent Street
Sydney
8am – 6pm Monday - Friday

State planning controls are available online at www.legislation.nsw.gov.au

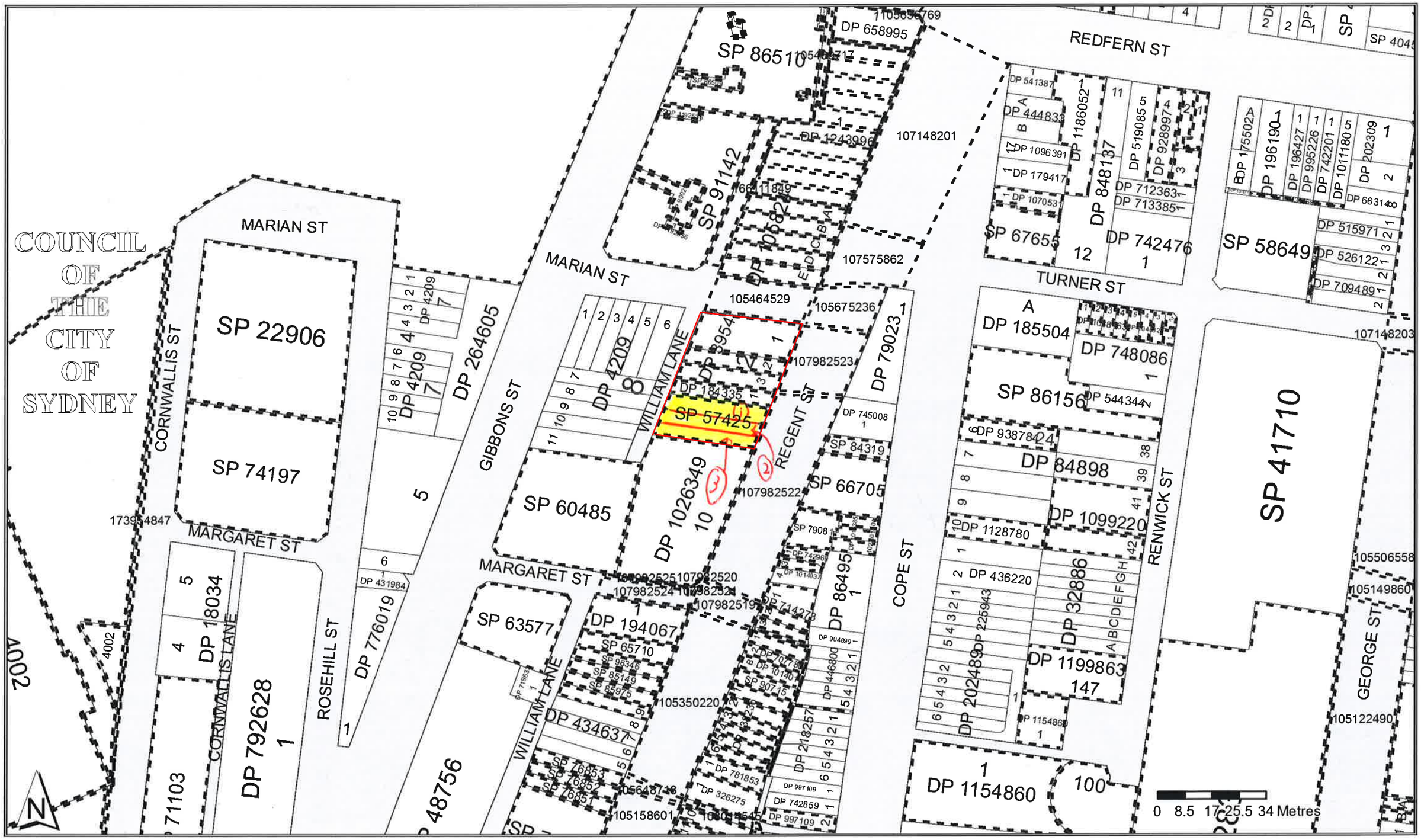
Where planning certificate section 10.7 (5) matters are supplied, complete details are available by writing to:
Chief Executive Officer
City of Sydney
G.P.O. Box 1591
Sydney NSW 2000

End of Document

Cadastral Records Enquiry Report : SP 57425

Ref : redfern

Locality : REDFERN
Parish : ALEXANDRIA
LGA : SYDNEY
County : CUMBERLAND



Report Generated 9:58:57 AM, 24 July, 2019
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This information is provided as a searching aid only.Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps

InfoTrack

SURVEY CONNECTIONS

PM 46916–SSM 16636	184°59'29" – 1059.839 MGA GRND "X"–"Y" 184°59'29" – 1059.811 SURVEY
SSM 16636–PM 59542	255°03'10"– 85.327 MGA GRND 255°03'10"– 85.330 SURVEY
PM 59542–PM 55110	2°44'30" – 296.643 MGA GRND 2°44'20" – 296.635 SURVEY
PM 55110–PM 80967	17°47'33" – 807.194 MGA GRND 17°47'30" – 807.20 SURVEY
PM 80967–PM 46916	278°32'16" – 87.16 MGA GRND 278°31'15" – 87.145 SURVEY

SURVEYING AND SPATIAL INFORMATION REGULATION 2012 : CLAUSE 35(1)(b) & 61(2) AND 62

MARK	MGA EASTING	MGA NORTHING	CLASS	ORDER	AHD	CLASS	ORDER	METHOD	ORIGIN
SSM 16636	333 638.504	6 247 636.847	B	2	14.585	LB	L2	SCIMS	SCIMS
PM 46916	333 730.710	6 248 692.597	B	2	28.577	LB	L2	SCIMS	SCIMS
PM 55110	333 570.258	6 247 911.124	C	4				SCIMS	SCIMS
PM 59542	333 556.07	6 247 614.840	D	4	15.138			SCIMS	SCIMS
PM 80967	333 816.898	6 248 679.658	C	4		LC	L3	SCIMS	SCIMS

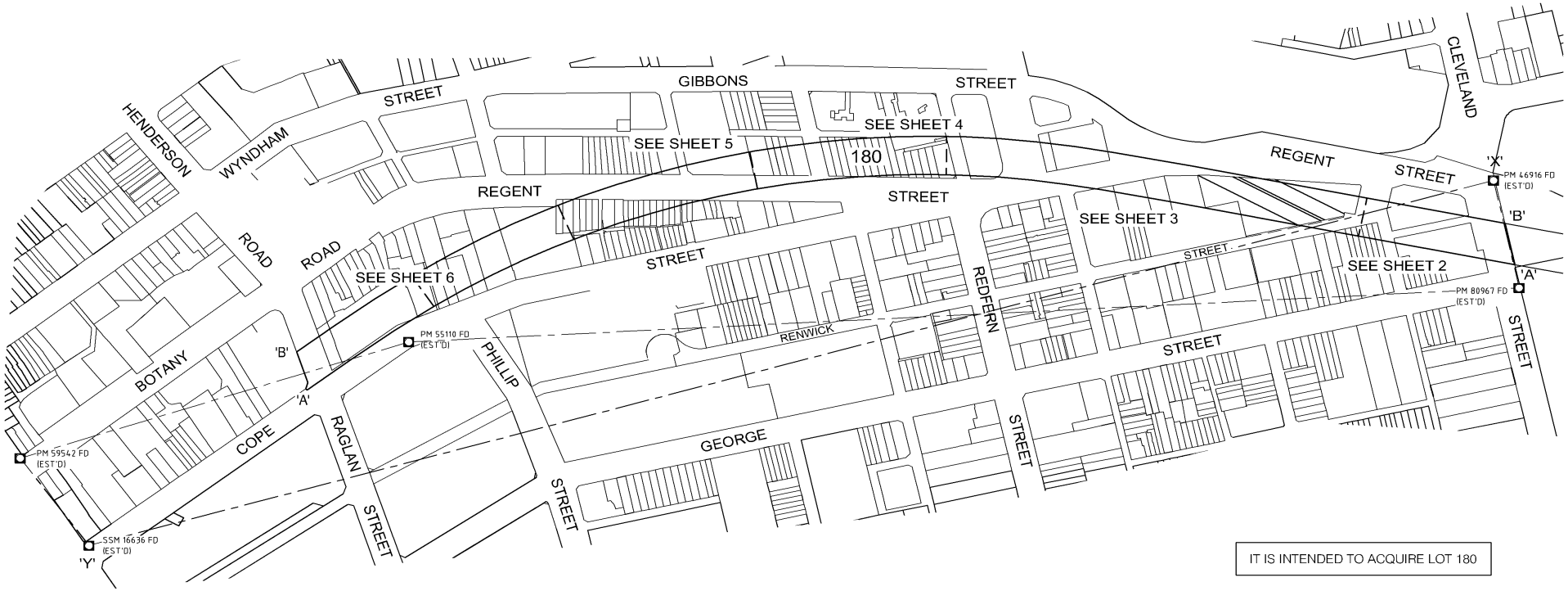
COMBINED SCALE FACTOR = 0.999935 ZONE 56

SOURCE: M.G.A. CO-ORDINATES AND SCALE FACTOR ADOPTED FROM SCIMS ON THE 6th MARCH 2017

M.G.A.

TOTAL AREA

LOT 180 2.77ha



IT IS INTENDED TO ACQUIRE LOT 180

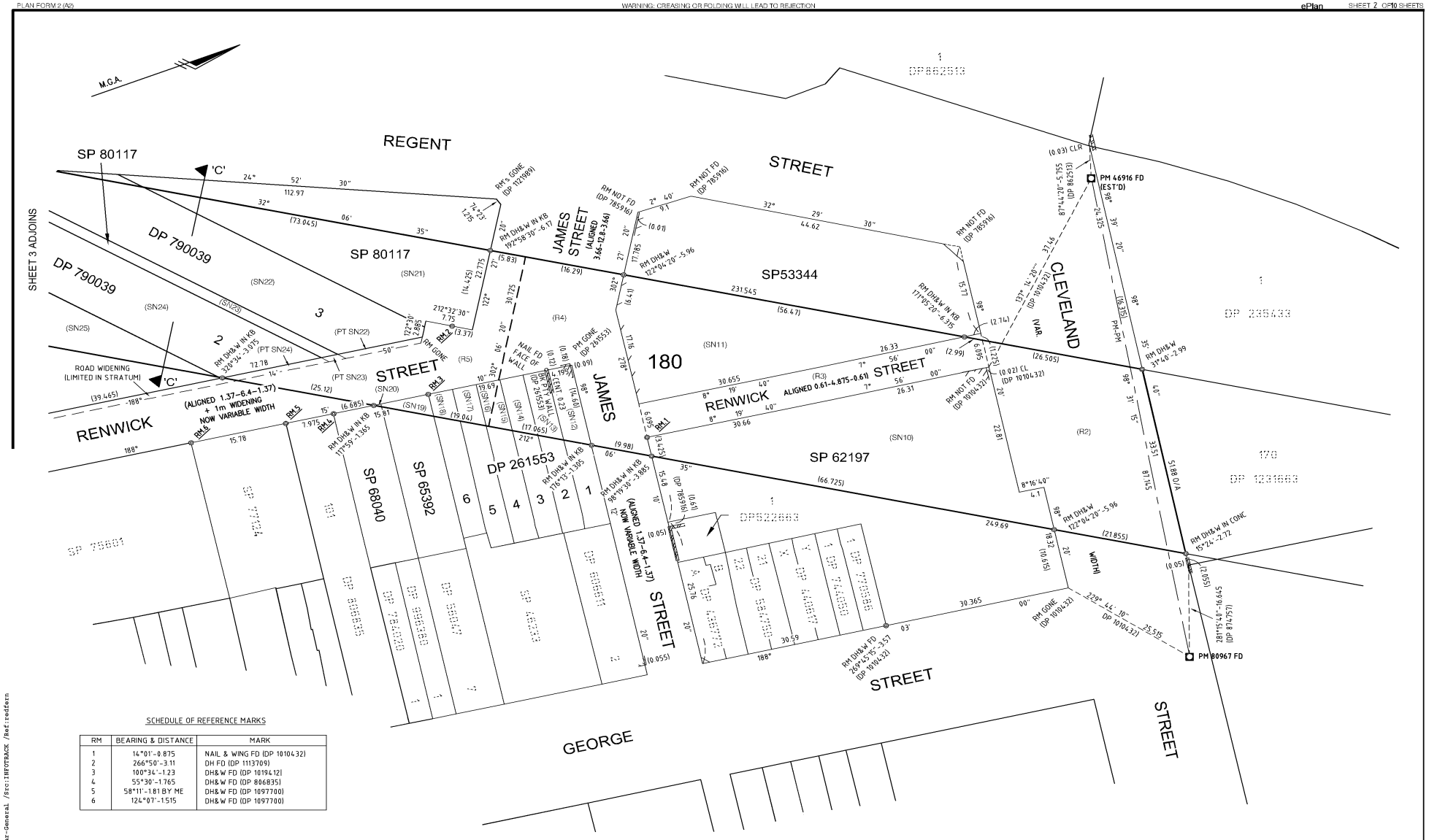
SEE SHEETS 8 & 9 FOR SECTIONS A-A, B-B & C-C
SEE SHEET 9 FOR ROAD OWNERSHIP TABLE
SEE SHEET 10 FOR STRATUM NOTE TABLE

NOTE THE ACQUISITION OF LAND IN A STRATA SCHEME AFFECTS COMMON PROPERTY ONLY.

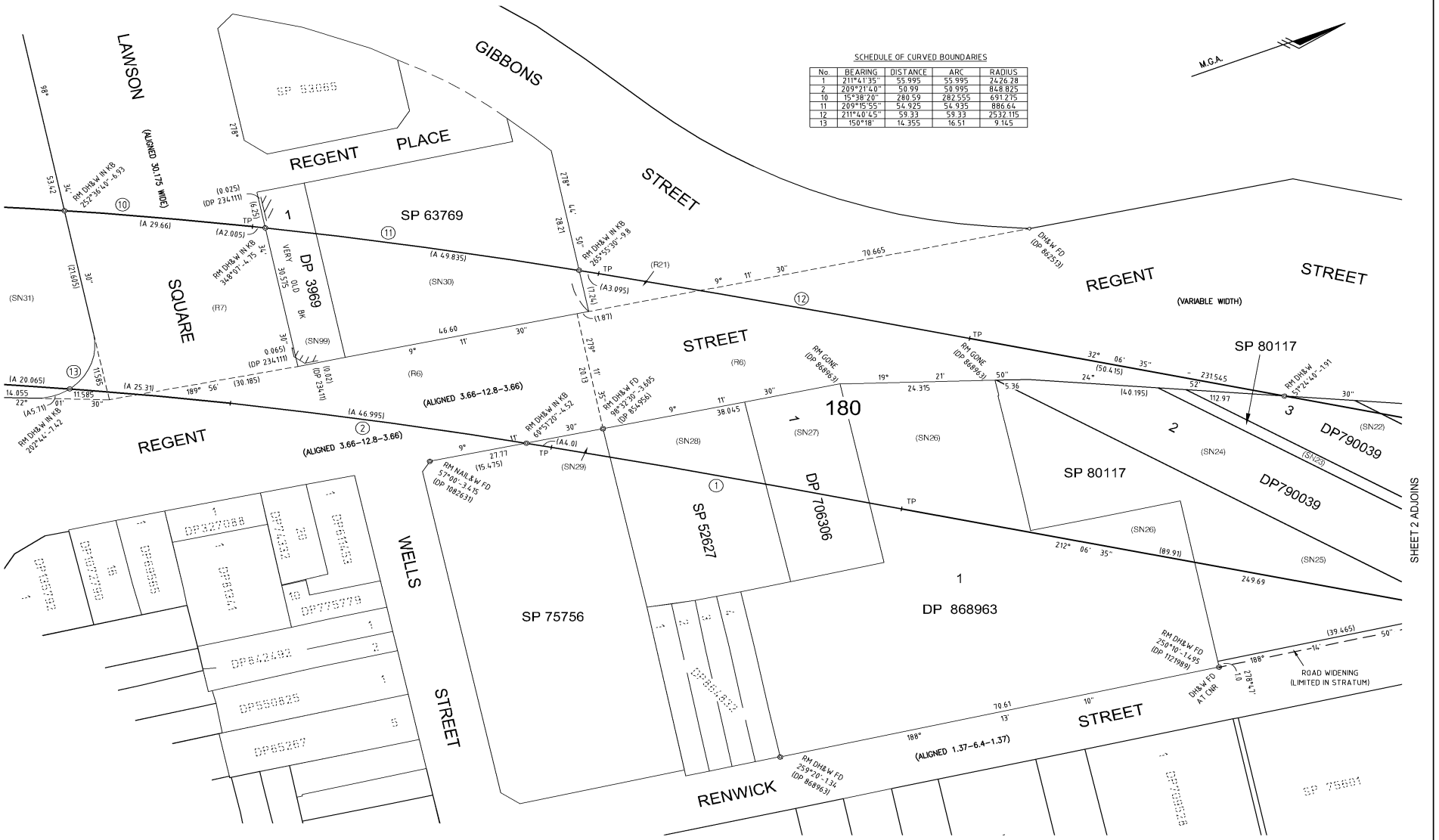
Surveyor: JOHN NELSON PETERSEN Date of Survey: 16.05.2017 Surveyor's Ref: PR124856-DP18 2017M7100 (792 & 799)	PLAN OF ACQUISITION FOR RAILWAY PURPOSES	L.G.A.: SYDNEY Locality: REDFERN, WATERLOO Subdivision No: —— Lengths are in metres. Reduction Ratio 1: 2000	Registered: 18.04.2018	DP1232400

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 Table of mm (Cad Ref: PR124856-DP18-0011.dwg)

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M.G.A.
SHEET 3 ADJOINS
REGENT STREET
SP 80117
DP 790039
SP 80117
SP53344
JAMES STREET (ALIGNED 3.66-12.8-3.66)
CLEVELAND STREET
DP 862513
DP 235433
DP 123163
170
180
SP 62197
DP 261553
SP 68040
SP 65392
SP 77124
SP 78601
DP 822663
RENWICK STREET
(ALIGNED 1.37-6.4-1.37) + 1m WIDENING NOW VARIABLE WIDTH
(ALIGNED 0.61-4.875-0.61)
ROAD WIDENING (LIMITED IN STRATUM)
GEORGE STREET
PM 46916 FD (EST'D)
PM 80967 FD
RM GONE (DP 1121989)
RM NOT FD (DP 785916)
RM DH&W IN KB 192°58'30"-6.17
RM DH&W 122°04'20"-5.96
RM DH&W IN KB 171°05'20"-6.375
RM DH&W 51°40'-2.99
RM DH&W IN KB 326°34'-3.975
RM DH&W IN KB 177°59'-1.365
RM DH&W IN KB 98°19'30"-3.885
RM DH&W IN KB 176°13'-1.385
RM DH&W IN CONE 15°24'-2.72
RM DH&W FD (DP 1010432) 269°45'15"-3.57
RM GONE (DP 1010432) 229°44'30"-25.515
281°15'40"-16.645 (DP 874757)
S188 D/A
WIDTH
(0.03) CLR
(0.07) CL (DP 1010432)
(0.05)
(0.055)
(0.01)
(0.09)
(0.18)
(0.12)
(0.61)
(0.23)
(0.27)
(0.41)
(0.42)
(0.43)
(0.44)
(0.45)
(0.46)
(0.47)
(0.48)
(0.49)
(0.50)
(0.51)
(0.52)
(0.53)
(0.54)
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(0.71)
(0.72)
(0.73)
(0.74)
(0.75)
(0.76)
(0.77)
(0.78)
(0.79)
(0.80)

Req:R693328 /Doc:DP 1232400 P /Rev:18-Apr-2018 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 14:04 /Seq:3 of 12
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

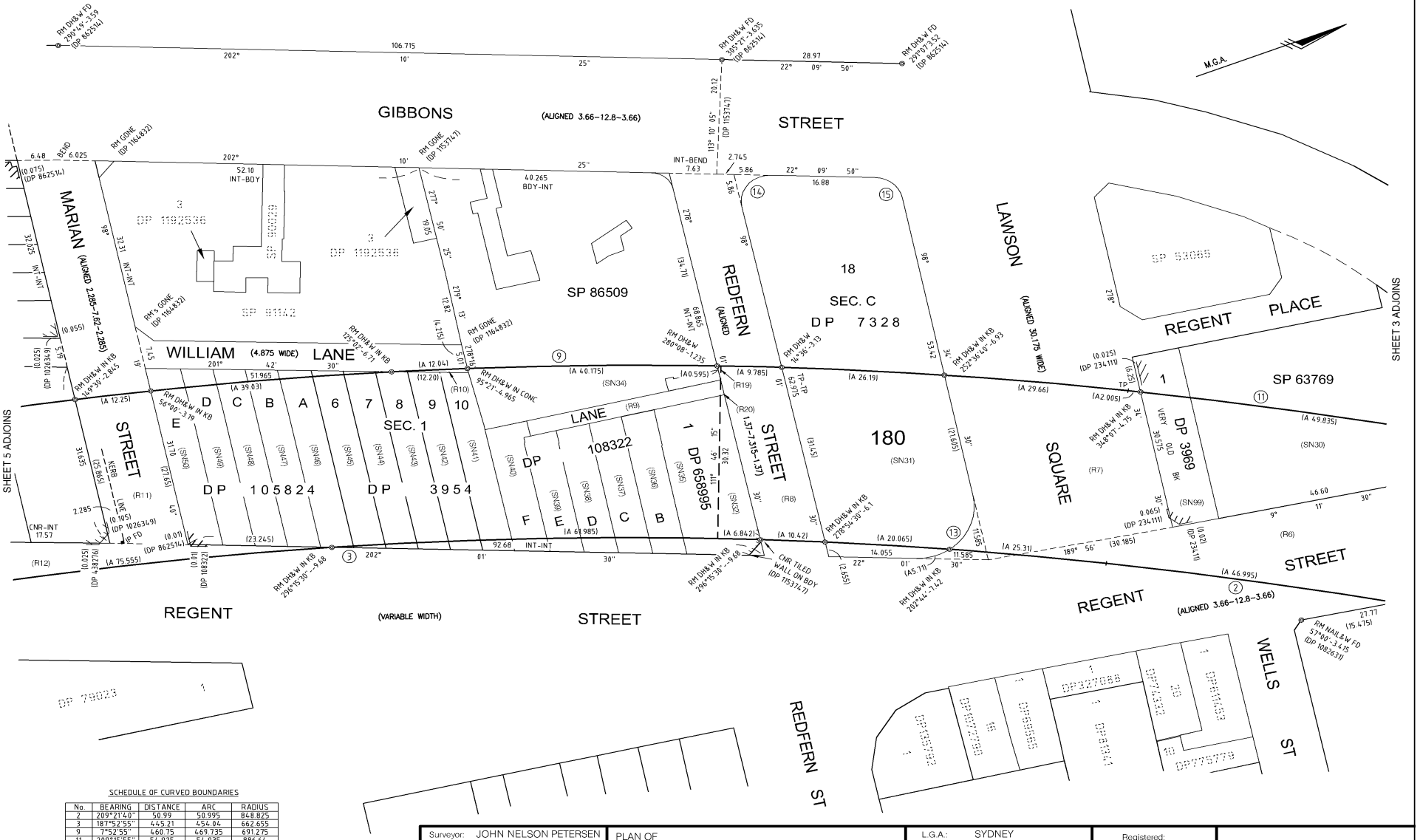


Surveyor: JOHN NELSON PETERSEN Date of Survey: 16.05.2017 Surveyor's Ref: PR124856-DP18 2017M7100 (792 & 799)	PLAN OF ACQUISITION FOR RAILWAY PURPOSES	L.G.A.: SYDNEY Locality: REDFERN, WATERLOO Subdivision No: —— Lengths are in metres. Reduction Ratio 1: 400	Registered: 18.04.2018	DP1232400

10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 Table of mm

(Cad Ref: PR124856-DP18-001I.dwg)

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SCHEDULE OF CURVED BOUNDARIES

No.	BEARING	DISTANCE	ARC	RADIUS
2	209°21'40"	50.99	50.995	848.825
3	187°52'55"	445.21	454.04	662.655
9	7°52'55"	460.75	469.735	691.275
11	209°15'55"	54.925	54.935	886.64
13	150°18'	14.355	16.51	9.145
14	150°05'40"	7.2	8.295	4.565
15	240°22'10"	5.66	6.1	4.575

10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 Table of mm

(Cad Ref: PR124856-DP18-0011.dwg)

Surveyor: JOHN NELSON PETERSEN Date of Survey: 16.05.2017 Surveyor's Ref: PR124856-DP18 2017M7100 (792 & 799)	PLAN OF ACQUISITION FOR RAILWAY PURPOSES	L.G.A.: SYDNEY Locality: REDFERN, WATERLOO Subdivision No: —— Lengths are in metres. Reduction Ratio 1: 400	Registered: 18.04.2018	DP1232400

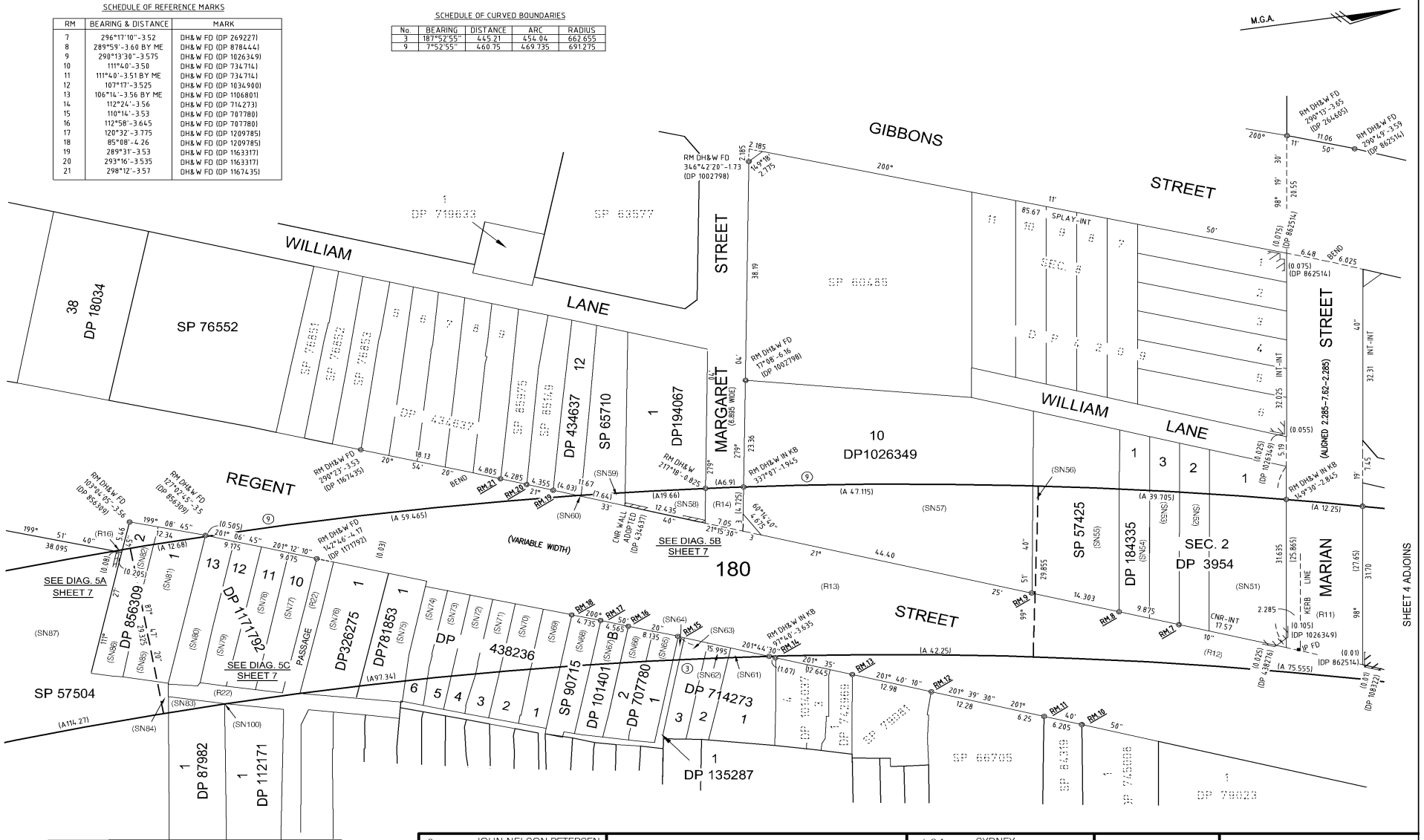
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© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

SCHEDULE OF REFERENCE MARKS

RM	BEARING & DISTANCE	MARK
7	296°17'10"-3.52	DH&W FD (DP 2692271)
8	289°59'-3.60 BY ME	DH&W FD (DP 878444)
9	290°13'30"-3.575	DH&W FD (DP 1026349)
10	111°40'-3.50	DH&W FD (DP 734714)
11	111°40'-3.51 BY ME	DH&W FD (DP 734714)
12	107°17'-3.525	DH&W FD (DP 1034900)
13	106°14'-3.56 BY ME	DH&W FD (DP 1106801)
14	112°24'-3.56	DH&W FD (DP 714273)
15	110°14'-3.53	DH&W FD (DP 707780)
16	112°58'-3.645	DH&W FD (DP 707780)
17	120°32'-3.775	DH&W FD (DP 1209785)
18	85°08'-4.26	DH&W FD (DP 1209785)
19	289°31'-3.53	DH&W FD (DP 1163317)
20	293°16'-3.535	DH&W FD (DP 1163317)
21	298°12'-3.57	DH&W FD (DP 1167435)

SCHEDULE OF CURVED BOUNDARIES

No.	BEARING	DISTANCE	ARC	RADIUS
3	187°52'55"	445.21	454.04	662.655
9	7°52'55"	460.75	469.735	691.275

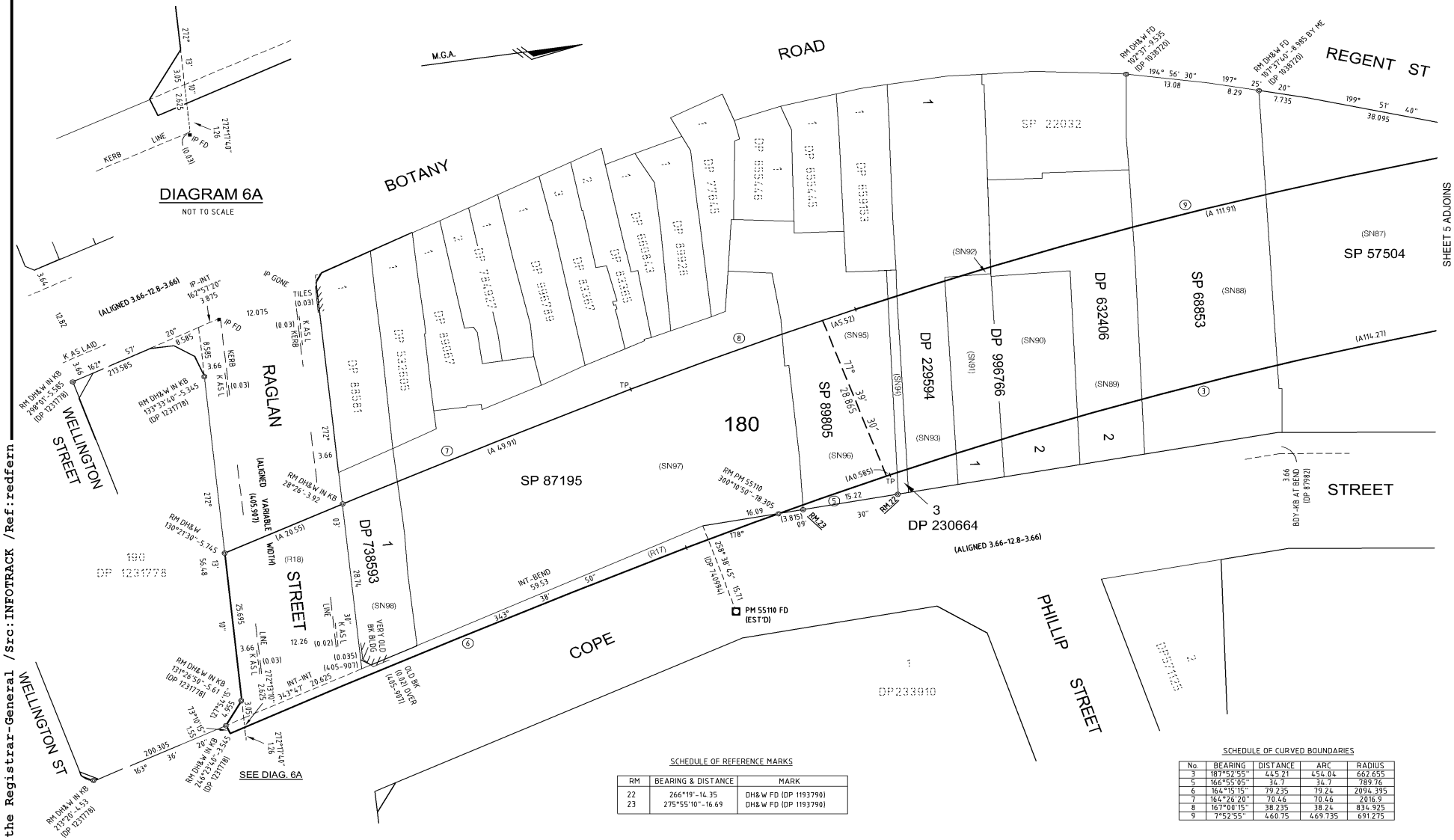


Surveyor: JOHN NELSON PETERSEN	PLAN OF	L.G.A.: SYDNEY	Registered:
Date of Survey: 16.05.2017	ACQUISITION FOR RAILWAY PURPOSES	Locality: REDFERN, WATERLOO	18.04.2018
Surveyor's Ref: PR124856-DP18 2017M7100 (792 & 799)		Subdivision No: ——	DP1232400
		Lengths are in metres. Reduction Ratio 1: 400	

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 Table of mm

(Cad Ref: PR124856-DP18-001I.dwg)

Req:R693328 /Doc:DP 1232400 P /Rev:18-Apr-2018 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 14:04 /Seq:6 of 12
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Surveyor: JOHN NELSON PETERSEN Date of Survey: 16.05.2017 Surveyor's Ref: PR124856-DP18 2017M7100 (792 & 799)	PLAN OF ACQUISITION FOR RAILWAY PURPOSES	L.G.A.: SYDNEY Locality: REDFERN, WATERLOO Subdivision No: —— Lengths are in metres. Reduction Ratio 1: 400	Registered: 18.04.2018	DP1232400

10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 Table of mm

(Cad Ref: PR124856-DP18-001l.dwg)

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© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

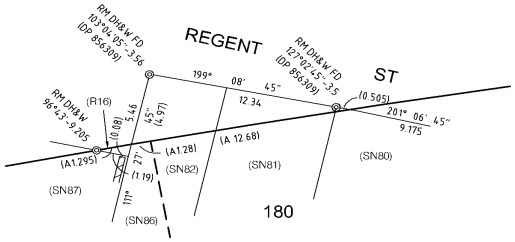


DIAGRAM 5A
NOT TO SCALE

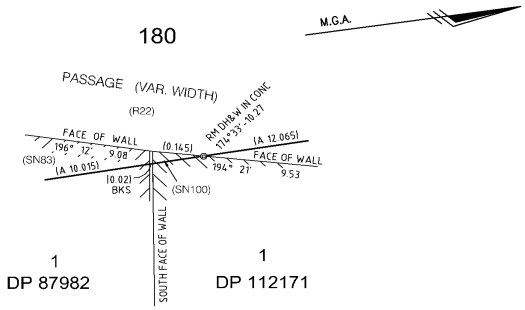


DIAGRAM 5D
NOT TO SCALE

SCHEDULE OF REFERENCE MARKS

RM	BEARING & DISTANCE	MARK
19	289°31'-3.53	DH&W FD (DP 1163317)

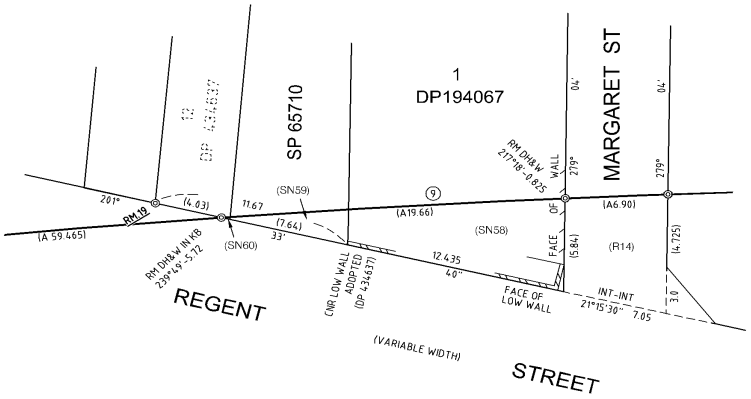


DIAGRAM 5B
SCALE 1:200

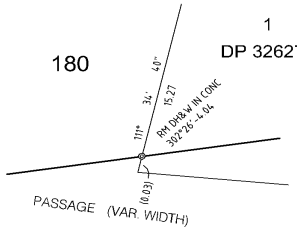
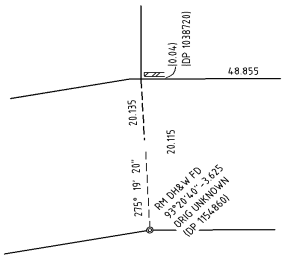


DIAGRAM 5E
NOT TO SCALE

SCHEDULE OF CURVED BOUNDARIES

No.	BEARING	DISTANCE	ARC	RADIUS
3	187°52'55"	445.21	454.04	662.655
9	7°52'55"	460.75	469.735	691.275



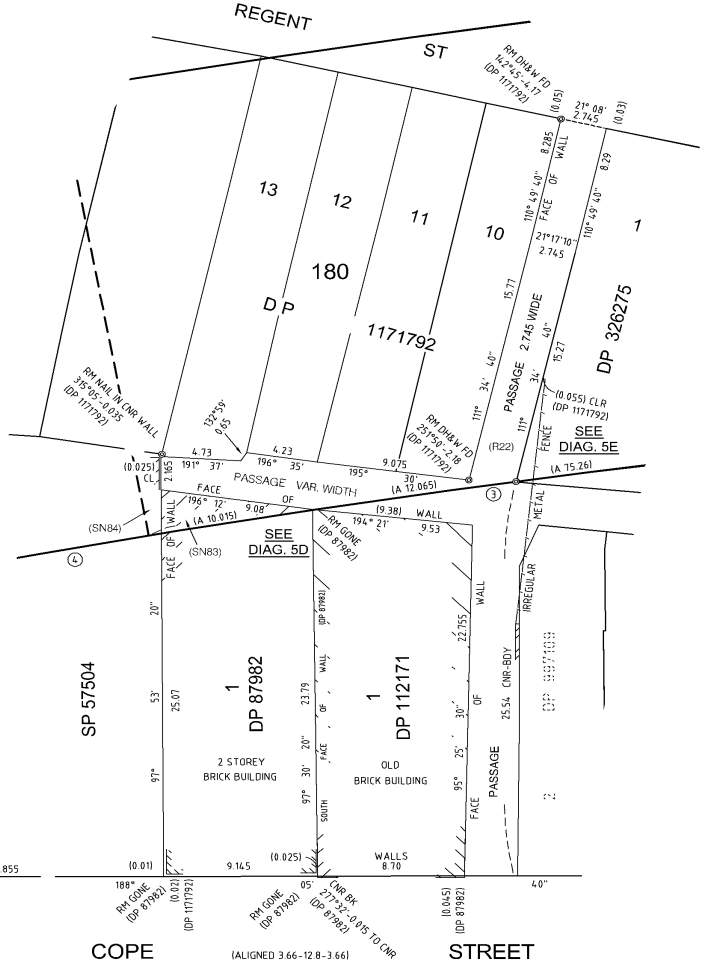
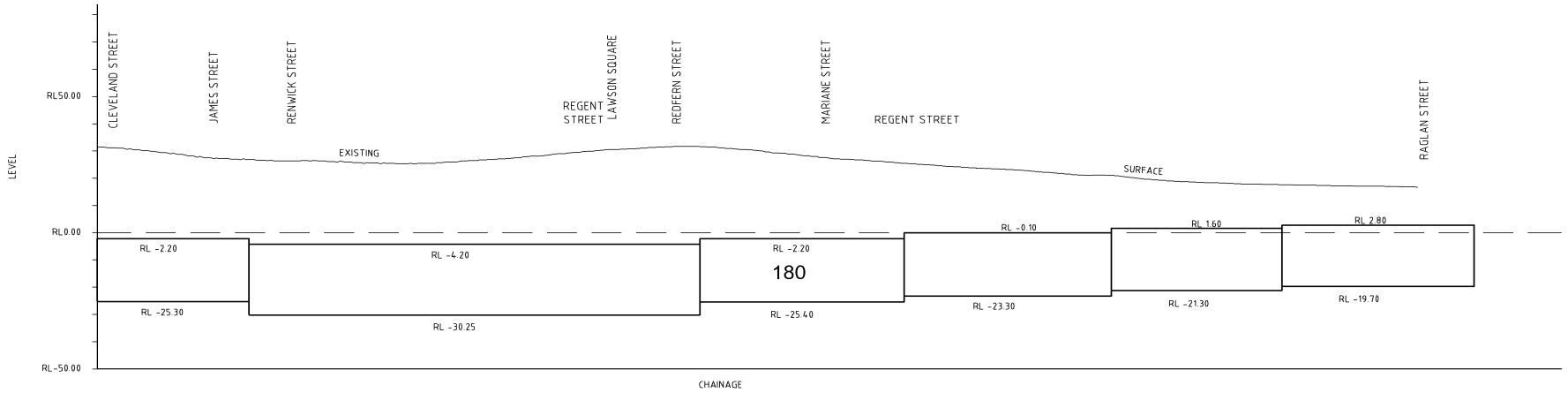


DIAGRAM 5C
SCALE 1:200

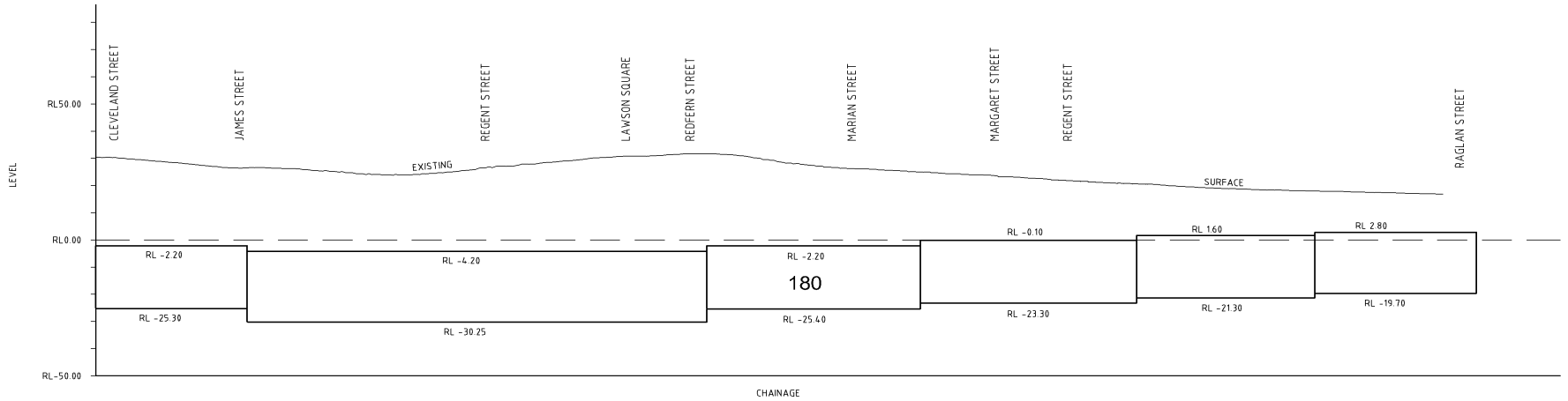
Surveyor: JOHN NELSON PETERSEN Date of Survey: 16.05.2017 Surveyor's Ref: PR124856-DP18 2017M7100 (792 & 799)	PLAN OF ACQUISITION FOR RAILWAY PURPOSES	L.G.A.: SYDNEY Locality: REDFERN, WATERLOO Subdivision No: —— Lengths are in metres. Reduction Ratio 1: 200	Registered: 18.04.2018	DP1232400

10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 Table of mm

(Cad Ref: PR124856-DP18-0011.dwg)



SECTION A-A



SECTION B-B

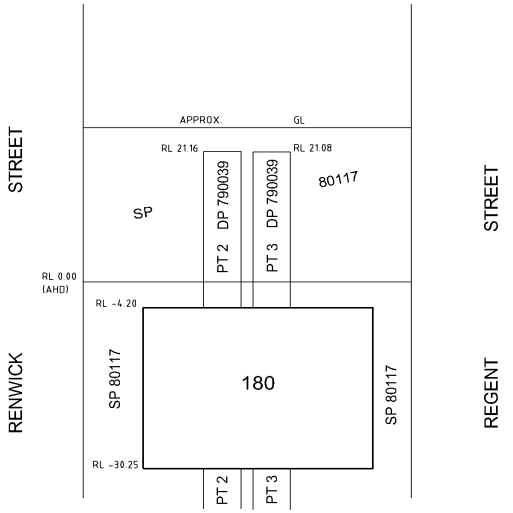
Surveyor: JOHN NELSON PETERSEN Date of Survey: 16.05.2017 Surveyor's Ref: PR124856-DP18 2017M7100 (792 & 799)	PLAN OF ACQUISITION FOR RAILWAY PURPOSES	L.G.A.: SYDNEY Locality: REDFERN, WATERLOO Subdivision No: —— Lengths are in metres. Reduction Ratio 1: N.T.S	Registered: 18.04.2018	DP1232400

10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 Table of mm

(Cad Ref: PR124856-DP18-0011.dwg)

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SECTION C-C

ROAD OWNERSHIP TABLE

AFFECTED ROAD	FEE SIMPLE
CLEVELAND STREET	O.S. ROAD PART OF GRANT TO WILLIAM REDFERN 18-10-1816 SERIAL 8 PG 260
	GOVT GAZ 20-7-1990 FOL 6807
RENWICK STREET	O.S. ROAD PART OF GRANT TO WILLIAM REDFERN 18-10-1816 SERIAL 8 PG 260 &
	GOVT GAZ 12-12-1865 FOL 2784, CT 10/785918
JAMES STREET	GOVT GAZ 12-12-1865 FOL 2784
REGENT STREET	GOVT GAZ 12-12-1865 FOL 2784, GAZ 16-6-1876 FOL2389, GAZ 8-12-1995 FOL 8461
	CT 1285-106, CT 4852- 143, CT 6191-243, GOVT GAZ 5-5-1989 FOL 2787
	13/785918, 12/785918, 23/785917, 1/182698, CT 10044-153
LAWSON SQUARE	O.S. ROAD PART OF GRANT TO WILLIAM CHIPPENDALE SERIAL 12 PG 21, CT 2462-220
REDFERN STREET	O.S. ROAD PART OF GRANT TO WILLIAM CHIPPENDALE SERIAL 12 PG 21
LANE	CT 129-64
MARIAN STREET	O.S. ROAD PART OF GRANT TO WILLIAM CHIPPENDALE SERIAL 12 PG 21
WILLIAM LANE	O.S. ROAD PART OF GRANT TO WILLIAM CHIPPENDALE SERIAL 12 PG 21
MARGARET STREET	O.S. ROAD PART OF GRANT TO WILLIAM CHIPPENDALE SERIAL 12 PG 21
MARGARET STREET- REGENT STREET	CT 32/522349, CT 9266-87
PASSAGE	O.S. ROAD PART OF GRANT TO WILLIAM CHIPPENDALE SERIAL 12 PG 21
RAGLAN STREET	O.S. ROAD GOVT GAZ 12-9-1969 FOL 3665
	PART OF GRANT TO WILLIAM HUTCHINSON SERIAL 14 PG 171
RAGLAN STREET-COPE STREET	CT 8083-228
COPE STREET	O.S. ROAD GOVT GAZ 12-12-1865 FOL 2784

Surveyor: JOHN NELSON PETERSEN Date of Survey: 16.05.2017 Surveyor's Ref: PR124856-DP18 2017M7100 (792 & 799)	PLAN OF ACQUISITION FOR RAILWAY PURPOSES	L.G.A.: SYDNEY Locality: REDFERN, WATERLOO Subdivision No: —— Lengths are in metres. Reduction Ratio 1: 500	Registered: 18.04.2018	DP1232400

10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 Table of mm

(Cad Ref: PR124856-DP18-0011.dwg)

TABLE OF AFFECTATIONS AND STRATUM LIMITS

AFFECTED PROPERTY	EXTENT OF ACQUISITION					
LOT & DP	PLAN NOTATION	*APPROX. GROUND SURFACE LEVEL (RL)*	UPPER STRATUM LIMIT	LOWER STRATUM LIMIT	PART AREA (approx.) (m^2)	TOTAL AREA (approx.) (m^2)
	ACQUISITION LOT 180					
CP SP 62197	(SN10)	*30*	RL -2.20	RL - 25.30	940	940
CP SP 53344	(SN11)	*28*	RL -2.20	RL - 25.30	646	646
LOT 1 DP 261553	(SN12)	*27*	RL -2.20	RL - 25.30	57	57
LOT 2 DP 261553	(SN13)	*27*	RL -2.20	RL - 25.30	46	46
LOT 3 DP 261553	(SN14)	*27*	RL -2.20	RL - 25.30	39	39
LOT 4 DP 261553	(SN15)	*27*	RL -2.20	RL - 25.30	17	33
	(SN16)	*27*	RL -4.20	RL -30.25	16	
LOT 5 DP 261553	(SN17)	*26*	RL -4.20	RL -30.25	26	26
LOT 6 DP 261553	(SN18)	*26*	RL -4.20	RL -30.25	20	20
CP SP 65392	(SN19)	*26*	RL -4.20	RL -30.25	18	18
CP SP68040	(SN20)	*26*	RL -4.20	RL -30.25	1	1
CP SP 80117	(SN21)	*25*	RL -4.20	RL -30.25	497	1339
	(SN23)	*25*	RL -4.20	RL -30.25	132	
	(SN25)	*25*	RL -4.20	RL -30.25	710	
LOT 3 DP790039	(SN22)	*25*	RL -4.20	RL -30.25	715	715
LOT 2 DP790039	(SN24)	*25*	RL -4.20	RL -30.25	878	878
LOT 1 DP 868963	(SN26)	*25*	RL -4.20	RL -30.25	700	700
LOT 1 DP 706906	(SN27)	*26*	RL -4.20	RL -30.25	270	270
CP SP 52627	(SN28)	*27*	RL -4.20	RL -30.25	220	220
CP SP 75756	(SN29)	*28*	RL -4.20	RL -30.25	31	31
CP SP 63769	(SN30)	*29*	RL -4.20	RL -30.25	572	572
LOT 18 SEC C DP 7328	(SN31)	*31*	RL -4.20	RL -30.25	774	774
LOT 1 DP 658995	(SN32)	*32*	RL -4.20	RL -30.25	94	291
	(SN35)	*31*	RL -2.20	RL -25.40	197	
CP SP 86509	(SN34)	*31*	RL -2.20	RL -25.40	274	274
LOT B DP 108322	(SN36)	*31*	RL -2.20	RL -25.40	120	120
LOT C DP 108322	(SN37)	*31*	RL -2.20	RL -25.40	113	113
LOT D DP 108322	(SN38)	*31*	RL -2.20	RL -25.40	107	107
LOT E DP 108322	(SN39)	*31*	RL -2.20	RL -25.40	100	100
LOT F DP 108322	(SN40)	*30*	RL -2.20	RL -25.40	117	117
LOT 10 SEC 1 DP 3954	(SN41)	*29*	RL -2.20	RL -25.40	147	147
LOT 9 SEC 1 DP 3954	(SN42)	*28*	RL -2.20	RL -25.40	153	153
LOT 8 SEC 1 DP 3954	(SN43)	*28*	RL -2.20	RL -25.40	154	154
LOT 7 SEC 1 DP 3954	(SN44)	*28*	RL -2.20	RL -25.40	154	154
LOT 6 SEC 1 DP 3954	(SN45)	*28*	RL -2.20	RL -25.40	154	154
LOT A DP 105824	(SN46)	*28*	RL -2.20	RL -25.40	157	157
LOT B DP 105824	(SN47)	*28*	RL -2.20	RL -25.40	154	154
LOT C DP 105824	(SN48)	*27*	RL -2.20	RL -25.40	147	147
LOT D DP 105824	(SN49)	*27*	RL -2.20	RL -25.40	144	144
LOT E DP 105824	(SN50)	*27*	RL -2.20	RL -25.40	155	155
LOT 1 SEC 2 DP 3954	(SN51)	*26*	RL -2.20	RL -25.40	309	309
LOT 2 SEC 2 DP 3954	(SN52)	*26*	RL -2.20	RL -25.40	112	112
LOT 3 SEC 2 DP 3954	(SN53)	*26*	RL -2.20	RL -25.40	108	108
LOT 1 DP 184335	(SN54)	*26*	RL -2.20	RL -25.40	106	106
CP SP 57425	(SN55)	*25*	RL -2.20	RL -25.40	266	279
	(SN56)	*25*	RL -0.10	RL -23.30	13	
LOT 10 DP 1026349	(SN57)	*24*	RL -0.10	RL -23.30	619	619
LOT 1 DP 194067	(SN58)	*23*	RL -0.10	RL -23.30	49	49
CP SP 65710	(SN59)	*23*	RL -0.10	RL -23.30	9	9
LOT 12 DP 434637	(SN60)	*23*	RL -0.10	RL -23.30	1	1
LOT 1 DP 714273	(SN61)	*24*	RL -0.10	RL -23.30	6	6
LOT 2 DP 714273	(SN62)	*24*	RL -0.10	RL -23.30	8	8
LOT 3 DP 714273	(SN63)	*24*	RL -0.10	RL -23.30	13	13
BK135 No.289 (LOT 1 DP 135287)	(SN64)	*24*	RL -0.10	RL -23.30	4	4
LOT 1 DP 707780	(SN65)	*24*	RL -0.10	RL -23.30	20	20
LOT 2 DP 707780	(SN66)	*24*	RL -0.10	RL -23.30	24	24
LOT B DP 101401	(SN67)	*24*	RL -0.10	RL -23.30	33	33
CP SP 90715	(SN68)	*24*	RL -0.10	RL -23.30	40	40
LOT 1 DP 438236	(SN69)	*24*	RL -0.10	RL -23.30	46	46
LOT 2 DP 438236	(SN70)	*24*	RL -0.10	RL -23.30	53	53
LOT 3 DP 438236	(SN71)	*23*	RL -0.10	RL -23.30	47	47
LOT 4 DP 438236	(SN72)	*22*	RL -0.10	RL -23.30	52	52
LOT 5 DP 438236	(SN73)	*22*	RL -0.10	RL -23.30	57	57
LOT 6 DP 438236	(SN74)	*22*	RL -0.10	RL -23.30	60	60
LOT 1 DP 781853	(SN75)	*22*	RL -0.10	RL -23.30	122	122
LOT 1 DP 326275	(SN76)	*21*	RL -0.10	RL -23.30	197	197
LOT 10 DP 1171792	(SN77)	*21*	RL -0.10	RL -23.30	109	109

AFFECTED PROPERTY	EXTENT OF ACQUISITION					
LOT & DP	PLAN NOTATION	*APPROX. GROUND SURFACE LEVEL (RL)*	UPPER STRATUM LIMIT	LOWER STRATUM LIMIT	PART AREA (approx.) (m^2)	TOTAL AREA (approx.) (m^2)
	ACQUISITION LOT 180					
LOT 10 DP 1171792	(SN77)	*21*	RL -0.10	RL -23.30	109	109
LOT 11 DP 1171792	(SN78)	*21*	RL -0.10	RL -23.30	113	113
LOT 12 DP 1171792	(SN79)	*21*	RL -0.10	RL -23.30	111	111
LOT 13 DP 1171792	(SN80)	*21*	RL -0.10	RL -23.30	124	124
LOT 1 DP 87982	(SN83)	*21*	RL -0.10	RL -23.30	15	15
LOT 1 DP 856309	(SN81)	*21*	RL -0.10	RL -23.30	151	191
	(SN85)	*21*	RL 1.60	RL -21.30	40	
LOT 2 DP 856309	(SN82)	*21*	RL -0.10	RL -23.30	16	110
	(SN86)	*21*	RL 1.60	RL -21.30	94	
CP SP 57504	(SN84)	*21*	RL -0.10	RL -23.30	7	1280
	(SN87)	*21*	RL 1.60	RL -21.30	1273	
CP SP 68853	(SN88)	*19*	RL 1.60	RL -21.30	641	641
LOT 2 DP 632406	(SN89)	*18*	RL 1.60	RL -21.30	349	349
LOT 2 DP 996766	(SN90)	*18*	RL 1.60	RL -21.30	333	333
LOT 1 DP 996766	(SN91)	*18*	RL 1.60	RL -21.30	218	218
LOT 1 DP 229594	(SN92)	*18*	RL 1.60	RL -21.30	3	238
	(SN93)	*18*	RL 1.60	RL -21.30	235	
LOT 3 DP 230664	(SN94)	*18*	RL 1.60	RL -21.30	47	47
CP SP 89805	(SN95)	*18*	RL 1.60	RL -21.30	184	481
	(SN96)	*18*	RL 2.80	RL -19.70	297	
CP SP 87195	(SN97)	*17*	RL 2.80	RL -19.70	1809	1809
LOT 1 DP 738593	(SN98)	*17*	RL 2.80	RL -19.70	260	260
LOT 1 DP 3969	(SN99)	*30*	RL -4.20	RL -30.25	178	178
LOT 1 DP112171	(SN100)	*21*	RL -0.10	RL -23.30	1	1

AFFECTED ROAD	EXTENT OF ACQUISITION				
	PLAN NOTATION	UPPER STRATUM LIMIT	LOWER STRATUM LIMIT	PART AREA (approx.) (m^2)	TOTAL AREA (approx.) (m^2)
	ACQUISITION LOT 180				
CLEVELAND STREET	(R2)	RL -2.20	RL -25.30	690	
RENWICK STREET	(R3)	RL -2.20	RL -25.30	345	345
JAMES STREET	(R4)	RL -2.20	RL -25.30	471	471
RENWICK STREET	(R5)	RL -4.20	RL -30.25	403	403
REGENT STREET	(R6)	RL -4.20	RL -30.25	1868	4183
	(R12)	RL -2.20	RL -25.40	369	
	(R13)	RL -0.10	RL -23.30	1945	
	(R16)	RL 1.60	RL -21.30	1	
LAWSON SQUARE	(R7)	RL -4.20	RL -30.25	886	886
REDFERN STREET	(R8)	RL -4.20	RL -30.25	315	316
	(R19)	RL -2.20	RL -25.40	1	
LANE	(R9)	RL -2.20	RL -25.40	85	86
	(R20)	RL -4.20	RL -30.25	1	
WILLIAM LANE	(R10)	RL -2.20	RL -25.40	5	5
MARIAN STREET	(R11)	RL -2.20	RL -25.40	326	326
MARGARET STREET	(R14)	RL -0.10	RL -23.30	51	51
LANE	(R15)	RL -0.10	RL -23.30	108	108
COPE STREET	(R17)	RL 2.80	RL -19.70	127	127
RAGLAN STREET	(R18)	RL 2.80	RL -19.70	570	570
GIBBON STREET	(R21)	RL -4.2	RL -30.5	65	65
PASSAGE	(R22)	RL -0.10	RL -23.3	107	107

Surveyor: JOHN NELSON PETERSEN
Date of Survey: 16.05.2017
Surveyor's Ref: PR124856-DP18
2017M7100 (792 & 799)

PLAN OF
ACQUISITION FOR RAILWAY PURPOSES

L.G.A.: SYDNEY
Locality: REDFERN, WATERLOO
Subdivision No: ——
Lengths are in metres. Reduction Ratio 1: N/A

Registered: 18.04.2018

DP1232400

10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 Table of mm

(Cad Ref: PR124856-DP18-001I.dwg)

Req:R693328 /Doc:DP 1232400 P /Rev:18-Apr-2018 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 14:04 /Seq:10 of 12
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Req:R693328 /Doc:DP 1232400 P /Rev:18-Apr-2018 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 14:04 /Seq:11 of 12
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PLAN FORM 6 (2013) WARNING: Creasing or folding will lead to rejection ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Office Use Only

Registered: 18.04.2018

Title System: TORRENS

Purpose: ACQUISITION

Office Use Only

DP1232400

PLAN OF ACQUISITION FOR RAILWAY PURPOSES

LGA: SYDNEY

Locality: REDFERN, WATERLOO

Parish: ALEXANDRIA

County: CUMBERLAND

Crown Lands NSW/Western Lands Office Approval

I, ... (Authorised Officer) in approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given.

Signature: .....

Date: .....

File Number: .....

Office: .....

Subdivision Certificate

I, ...

*Authorised Person/*General Manager/*Accredited Certifier, certify that the provisions of s.109J of the *Environmental Planning and Assessment Act 1979* have been satisfied in relation to the proposed subdivision, new road or reserve set out herein.

Signature: .....

Accreditation number: .....

Consent Authority: .....

Date of endorsement: .....

Subdivision Certificate number: .....

File number: .....

*Strike through if inapplicable.

Survey Certificate

I, JOHN NELSON PETERSEN .....

of RPS AUST EAST PTY LTD .....

a surveyor registered under the *Surveying and Spatial Information Act 2002*, certify that:

*(a) The land shown in the plan was surveyed in accordance with the *Surveying and Spatial Information Regulation 2012*, is accurate and the survey was completed on 16.05.2017

~~*(b) The part of the land shown in the plan (*being/*excluding ^ .....) was surveyed in accordance with the *Surveying and Spatial Information Regulation 2012*, is accurate and the survey was completed on, ... the part not surveyed was compiled in accordance with that Regulation.~~

~~*(c) The land shown in this plan was compiled in accordance with the *Surveying and Spatial Information Regulation 2012*.~~

Signature: John M Peterson Dated: 30/1/2018

Surveyor ID: 1831 .....

Datum Line: "X"-"Y" .....

Type: *Urban/~~*Rural~~

The terrain is *Level-Undulating / ~~*Steep-Mountainous.~~

*Strike through if inapplicable.

^Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey.

Statements of intention to dedicate public roads, create public reserves and drainage reserves, acquire/resume land.

IT IS INTENDED TO ACQUIRE LOT 180 FOR RAILWAY PURPOSES

Plans used in the preparation of survey/~~compilation.~~

DP7328, DP101401, DP105824, DP108322, DP194067, DP234111, DP235433, DP261553, DP434637, DP438236, DP448210, DP522663, DP561593, DP594873, DP606611, DP637261, DP658995, DP706306, DP707780, DP714273, DP781853, DP785916, DP785918, DP790039, DP804113, DP806835, DP854956, DP862513, DP862514, DP864832, DP868963, DP874757, DP878444, DP1010432, DP1011782, DP1014037, DP1017116, DP1019412, DP1021371, DP1026349, DP1038720, DP1042426, DP1062447, DP1078271, DP1082631, DP1087555, DP1097700, DP1106801, DP1113709, DP1121989, DP1153747,

If space is insufficient continue on PLAN FORM 6A

Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A

Surveyor's Reference: PR124856-DP18
2017M7100(792 & 799)

Req:R693328 /Doc:DP 1232400 P /Rev:18-Apr-2018 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 14:04 /Seq:12 of 12
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PLAN FORM 6A (2012) WARNING: Creasing or folding will lead to rejection ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Office Use Only

Registered: 18.04.2018

Office Use Only

DP1232400

PLAN OF ACQUISITION FOR RAILWAY PURPOSES

Subdivision Certificate number: .....

Date of Endorsement: .....

This sheet is for the provision of the following information as required:

- A schedule of lots and addresses - See 60(c) *SSI Regulation 2012*
- Statements of intention to create and release affecting interests in accordance with section 88B *Conveyancing Act 1919*
- Signatures and seals- see 195D *Conveyancing Act 1919*
- Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.

PLANS USED CONT'D

DP1163317, DP1164832, DP1167435, DP1171792, DP1173023, DP1192536, DP1193790, DP1208937, DP1209785, 15887-3000, 1-1911, 405-907, SP80978

Surveyor's Reference: PR124856-DP18 2017M7100(792 & 799)

InfoTrack
Req:R693258 /Doc:DP 0269227 P /Rev:25-Aug-1998 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 13:58 /Seq:1 of 1
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PLAN FORM 2

Plan Drawing only to appear in this space

*OFFICE USE ONLY

DP 269227

SIGNATURE AND SEALS ONLY.

D Vetter

EDWARD RICHARD NICHOLLS

J. LAW PTY. LTD. A.C.N. 001 108 725

Crown Lands Office Approval

APPROVED ..... Authorised Officer

Land District .....

Paper No. .....

Field Book ..... pages .....

Council's Certificate

...y certify that –

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

...) the requirements of † Part 3 Division 2 of the Water Board Act 1987, or † Part 5 Division 7 of the Hunter Water Board (Corporatisation) Act 1991,

...been complied with by the applicant in relation to the

...sed.....

...† "new road", "subdivision" or "consolidated lot") set out herein

...vision No. .....

.....

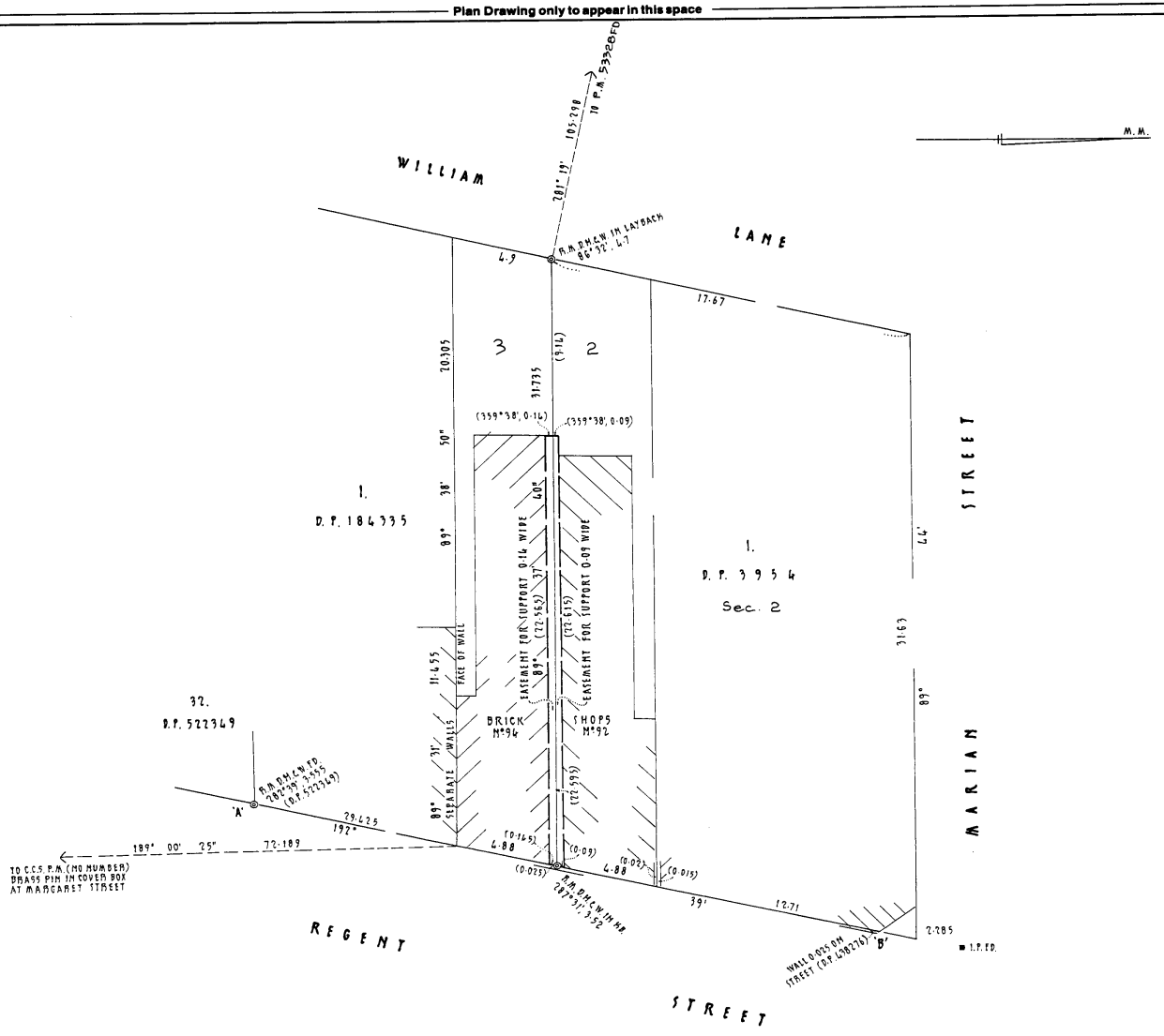
...ature).....
General Manager/Authorised Person

...al File No. .....

...s part of certificate to be deleted where the application is only for ...solidated lot or the opening of a new road or where the land to be ...vided is wholly outside the areas of operations of the Water ... and the Hunter Water Corporation Ltd.

...te if inapplicable

SURVEYOR'S REFERENCE: 7516



| | | |

InfoTrack

FORM 1

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

· OFFICE USE ONLY

COUNCIL'S CERTIFICATE

SOUTH SYDNEY CITY COUNCIL (Name of Council) having satisfied itself that the requirements of the * Strata Schemes (Freehold Development) Act 1973 or *Strata Schemes (Leasehold Development) Act 1986 have been complied with, approves of the proposed:

* ~~Strata plan~~
~~subdivision~~

illustrated in the annexure to this certificate.

* ~~The strata plan/strata plan of subdivison~~ is part of a development scheme. The council is satisfied that the plan is consistent with any conditions of any development consent and that the plan gives effect to the stage of the strata development contract to which it relates.

* ~~The council does not object to the encroachment of the building beyond the alignment~~ of .....

* This approval is given on the condition that the use of lot(s) ..... (being utility lot/s designed to be used primarily for the storage or accommodation of boats, motor vehicles or goods and not for human occupation as a residence, office, shop or the like) is restricted to the proprietor or occupier of a lot or proposed lot (not being such a utility lot) the subject of this strata scheme concerned as referred to in * section 39 of the Strata Schemes (Freehold Development) Act 1973 or * section 68 of the Strata Schemes ~~(Freehold Development) Act 1986~~

Date: 12 JUNE 1998

Subdivison No. 44/98 ..... General Manager / Authorised Person

*Complete or delete if applicable

SURVEYOR'S CERTIFICATE

I, MALCOLM PHILLIP THOMSON

of 8 DELMAR PDE GLADESVILLE

a surveyor registered under the Surveyors Act 1929, hereby certify that:

(1) each applicable requirement of

* Schedule 1A to the Strata Schemes (Freehold Development) Act 1973

* Schedule 1A to the Strata Schemes (Leasehold Development) Act 1986

has been met:

~~(2) * (a) the building encroaches on a public place;~~

* (b) the building encroaches on land (other than a public place), in respect of which encroachment an appropriate easement:

* has been created by registered +

* is to be created under section 88B of the Conveyancing Act 1919

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

Signature: .....

Date: 20-5-98

* Delete if inapplicable

+ State whether dealing or plan, and quote registered number.

SHEET 1 OF 3 SHEETS

PLAN OF SUBDIVISION OF LOT 6 D.P. 878444

LGA: SOUTH SYDNEY

Locality : REDFERN

Parish : ALEXANDRIA

County : CUMBERLAND

Reduction Ratio 1: 200

Lengths are in metres (m)

STRATA PLAN 57425 (E)

Registered: MB 15-7-1998

C.A: No. 44/98 OF 12.6.1998

~~Title System:~~

Purpose: STRATA PLAN

Ref. Map: SOUTH SYDNEY SH 4

Last Plan: DP 3954

Name of, and *address for service of notice on, the owner's corporation *Address required on original strata plan only.

THE OWNERS
STRATA PLAN No. 57425
No 98-102 REGENT STREET
REDFERN, NSW, 2016

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

this 25 day of JUNE 1998

Australia and New Zealand Banking Group Limited

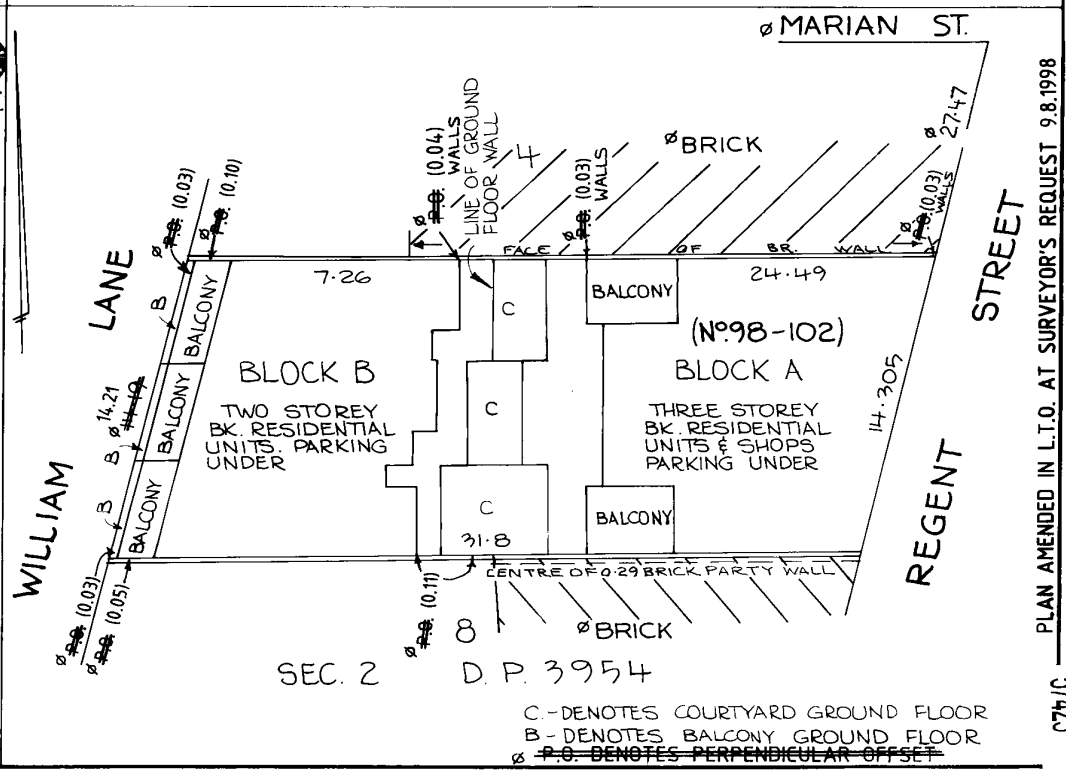
Attorney JOSEF RISTA

that he is Manager Estate Property Finance

Power of Attorney Registered No. 48 Book 4450

Manager

AMENDMENTS Ø MADE IN L.T.O. AT SURVEYORS REQUEST VIDE 4245/99



MIXED USE

*(Insert type being adopted) Model By-laws adopted for this scheme

Keeping of Animals : Option A/B/C

*Schedule of By-laws in _____ sheets filed with plan.

*"No By-Laws apply"

*Strike out whichever inapplicable

Table of mm

SURVEYOR'S REFERENCE 82/98S

PLAN AMENDED IN L.T.O. AT SURVEYOR'S REQUEST 9.8.1998

Plan Drawing only to appear in this space

57425

Plan Drawing only to appear in this space

Reg:R698200 /Doc:SP 0057425 P /Rev:14-Dec-1999 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 11:41 /Seq:1 of 3
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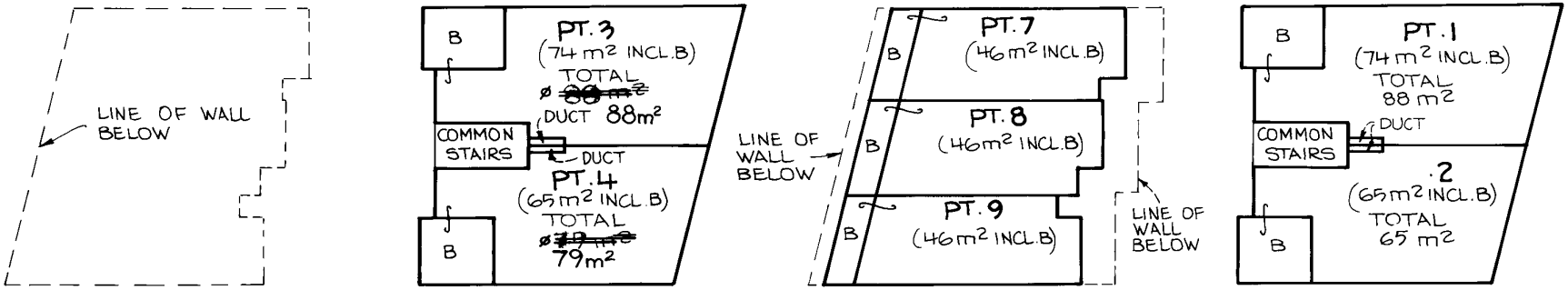
FORM 2

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

Sheet No. 2 of 3 Sheets

STRATA PLAN 57425

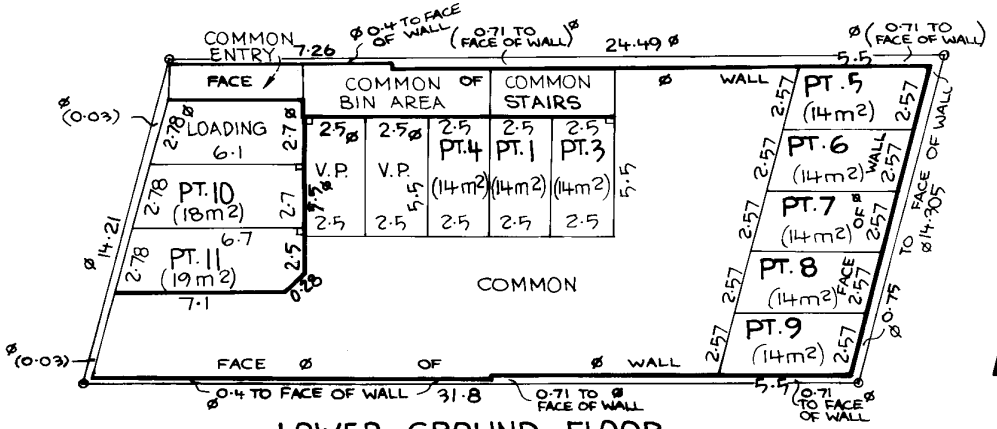
V.P.-DENOTES VISITOR PARKING
C- DENOTES COURTYARD
B-DENOTES BALCONY
AREAS ARE APPROXIMATE
BALCONIES AND COURTYARDS EXTEND TO A HEIGHT OF 2·5 ABOVE THE UPPER SURFACE OF THEIR RESPECTIVE FLOORS EXCEPT WHERE COVERED.



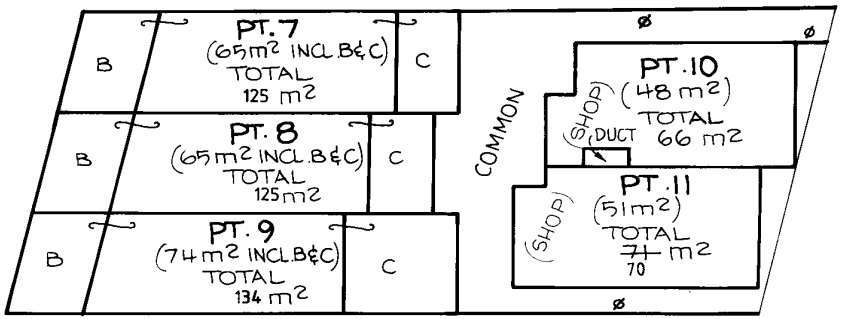
BLOCK A SECOND FLOOR

BLOCK B

BLOCK A FIRST FLOOR



LOWER GROUND FLOOR



BLOCK B BLOCK A

GROUND FLOOR

Reduction Ratio 1:200

Lengths are in metres

Registered Surveyor

Council Clerk

SURVEYOR'S REFERENCE 82/98S

AMENDMENTS Ø MADE IN L.T.O. AT SURVEYORS REQUEST VIDE 4245/99 13.12.1999

*OFFICE USE ONLY

Reg:R698200 /Doc:SP 0057425 P /Rev:14-Dec-1999 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 11:41 /Seq:2 of 3
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FORM 2

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

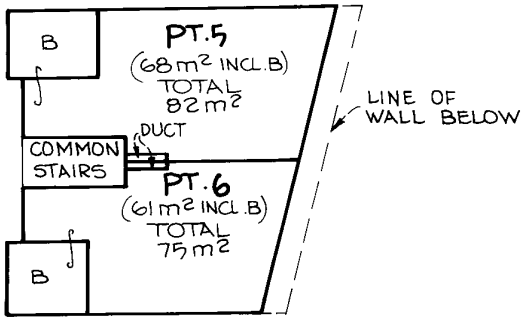
Sheet No. 3 of 3 Sheets

STRATA PLAN 57425

*OFFICE USE ONLY

SCHEDULE OF UNIT ENTITLEMENT

LOT Nº.	AGGREGATE
1	10
2	10
3	10
4	10
5	10
6	10
7	10
8	10
9	10
10	10
11	10
AGGREGATE	110



BLOCK A
THIRD FLOOR

B- DENOTES BALCONY

AREAS ARE APPROXIMATE

BALCONIES EXTEND TO HEIGHT OF 2·5 ABOVE THE UPPER SURFACE OF THEIR RESPECTIVE FLOORS EXCEPT WHERE COVERED.

Reduction Ratio 1: 200

Lengths are in metres

M. P. Thom
Registered Surveyor

Council Clerk

SURVEYOR'S REFERENCE: 82/985

Req:R698200 /Doc:SP 0057425 P /Rev:14-Dec-1999 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 11:41 /Seq:3 of 3
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

InfoTrack
Req:R698203 /Doc:DP 0878444 P /Rev:17-Jul-1998 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 11:41 /Seq:1 of 1
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

PLAN FORM 2 — Plan Drawing only to appear in this space — * OFFICE USE ONLY

SIGNATURE AND SEALS ONLY.

Dated at Sydney this 25 day of June 1998

Executed by Australia and New Zealand Banking Group Limited (ACN 005 357 522) signed by its Attorney Josee Ristuay who certifies that he is Manager Estate Property Finance pursuant to Power of Attorney Registered No. 48 Book 4180

Signed in the presence of: (Signature) (Print Name) Manager (Title)

Crown Lands Office Approval

APPROVED ..... Authorised Officer

and District .....

Paper No. .....

Field Book ..... pages .....

Council's Certificate

certify that –

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

† the requirements of †Part 3 Division 2 of the Water Board Act 1987, or †Part 5 division 7 of the Hunter Water Board (Corporatisation) Act 1991,

in complied with by the applicant in relation to the

† ..... 'new road', 'subdivision' or 'consolidated lot') set out hereon

on No. .....

at .....

General Manager/Authorised Person

File No. .....

ert of certificate to be deleted where the application is only for a dated lot or the opening of a new road or where the land to be sub- is wholly outside the areas of operations of the Water Board and the Water Corporation Ltd.

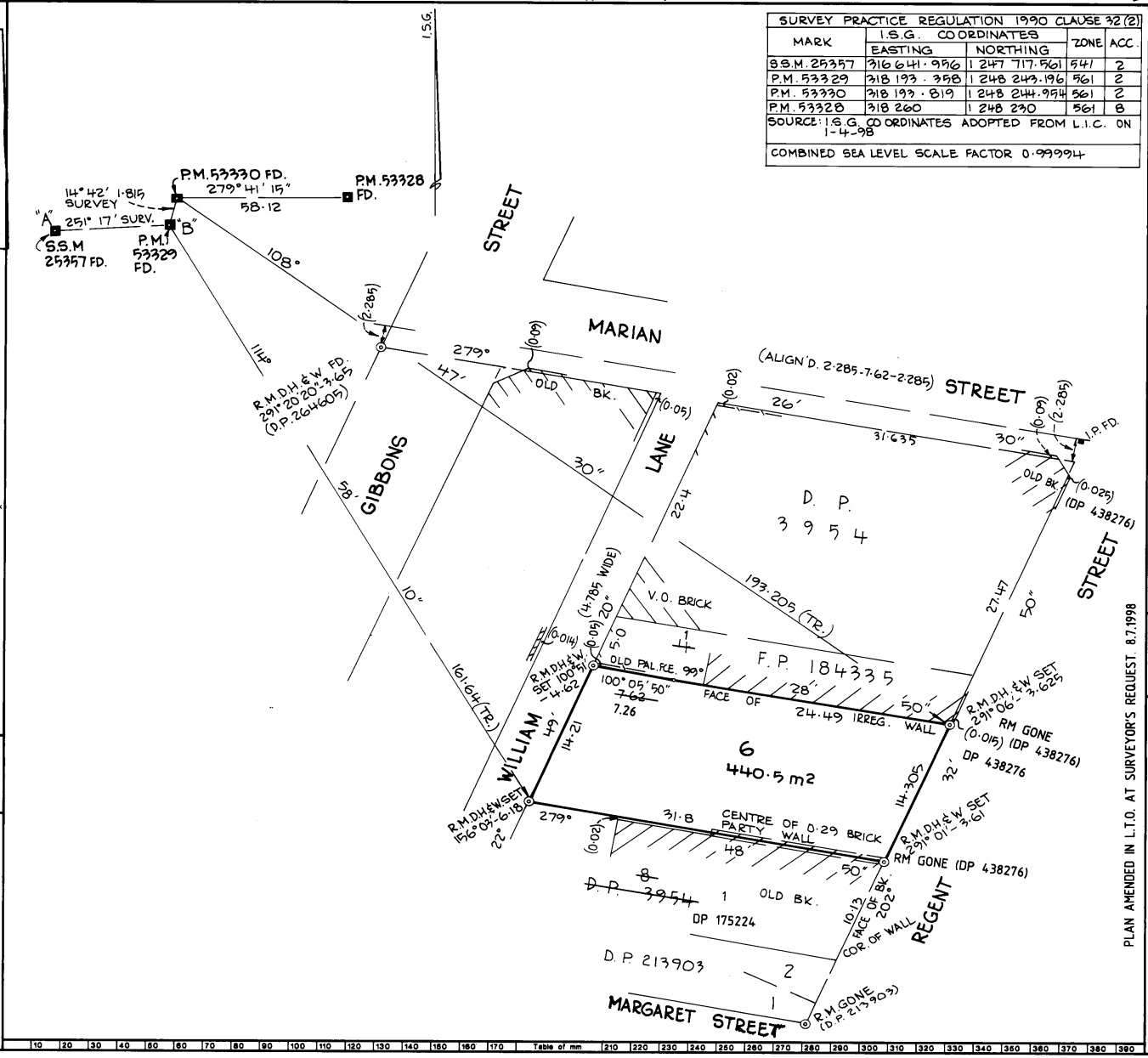
if inapplicable.

YOR'S REFERENCE: 82/98

SURVEY PRACTICE REGULATION 1990 CLAUSE 32(2)				
MARK	I.S.G. COORDINATES		ZONE	ACC.
	EASTING	NORTHING		
S.S.M. 25357	316 641·996	1 247 717·561	541	2
P.M. 53329	318 193·358	1 248 243·196	561	2
P.M. 53330	318 193·819	1 248 244·954	561	2
P.M. 53328	318 260	1 248 230	561	8

SOURCE: I.S.G. CO ORDINATES ADOPTED FROM L.I.C. ON 1-4-98

COMBINED SEA LEVEL SCALE FACTOR 0·99994



PLAN AMENDED IN L.T.O. AT SURVEYOR'S REQUEST. 8.7.1998

DP 878444

Registered: 13-7-1998

C.A:

Title System: TORRENS

Purpose: CONSOLIDATION

Ref. Map: SOUTH SYDNEY SH 4

Last Plan: DP 3954

PLAN OF CONSOLIDATION OF LOTS A, B AND C F.P. 438276

Lengths are in metres. Reduction Ratio 1: 250

LGA: SOUTH SYDNEY

Suburb/Locality: REDFERN

Parish: ALEXANDRIA

County: CUMBERLAND

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

Survey Certificate Surveyors (Practice) Regulation 1996

I, MALCOLM PHILLIP THOMSON

of 8 DELMAR PDE. GLADESVILLE 2111

a surveyor registered under the Surveyors Act 1929, hereby certify that the survey represented in this plan is accurate, has been made in accordance with the Surveyors (Practice) Regulation 1996 and was completed on 20 - 5 - 98

This survey relates to LOTS A, B & C IN FP 438276

(here specify the land actually surveyed, or specify any land shown in the plan that is not the subject of the survey)

Datum Line: "A" - "B"

Zoning: Suburban/Country (Signature) Surveyor registered under the Surveyors Act 1929

Plans used in preparation of survey/compilation.

D.P. 3954 4209, 213903, 264605 862514.

F.P. 184335, 438276

STH. SYDNEY SHT. 7

PANEL FOR USE ONLY for statements of intention to dedicate public roads, to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 Table of mm 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

DP 878444

InfoTrack
Req:R698203 /Doc:DP 0878444 P /Rev:17-Jul-1998 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 11:41 /Seq:1 of 1
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

PLAN FORM 2 — Plan Drawing only to appear in this space — * OFFICE USE ONLY

SIGNATURE AND SEALS ONLY.

Dated at Sydney this 25 day of June 1998

Executed by Australia and New Zealand Banking Group Limited (ACN 005 357 522) signed by its Attorney Josee Ristuay who certifies that he is Manager Estate Property Finance pursuant to Power of Attorney Registered No. 48 Book 4180

Signed in the presence of: (Signature) (Print Name) Manager (Title)

Crown Lands Office Approval

APPROVED ..... Authorised Officer

and District .....

Paper No. .....

Field Book ..... pages .....

Council's Certificate

certify that –

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

† the requirements of †Part 3 Division 2 of the Water Board Act 1987, or †Part 5 division 7 of the Hunter Water Board (Corporatisation) Act 1991,

in complied with by the applicant in relation to the

† ..... 'new road', 'subdivision' or 'consolidated lot') set out hereon

on No. .....

at .....

General Manager/Authorised Person

File No. .....

ert of certificate to be deleted where the application is only for a dated lot or the opening of a new road or where the land to be sub- is wholly outside the areas of operations of the Water Board and the Water Corporation Ltd.

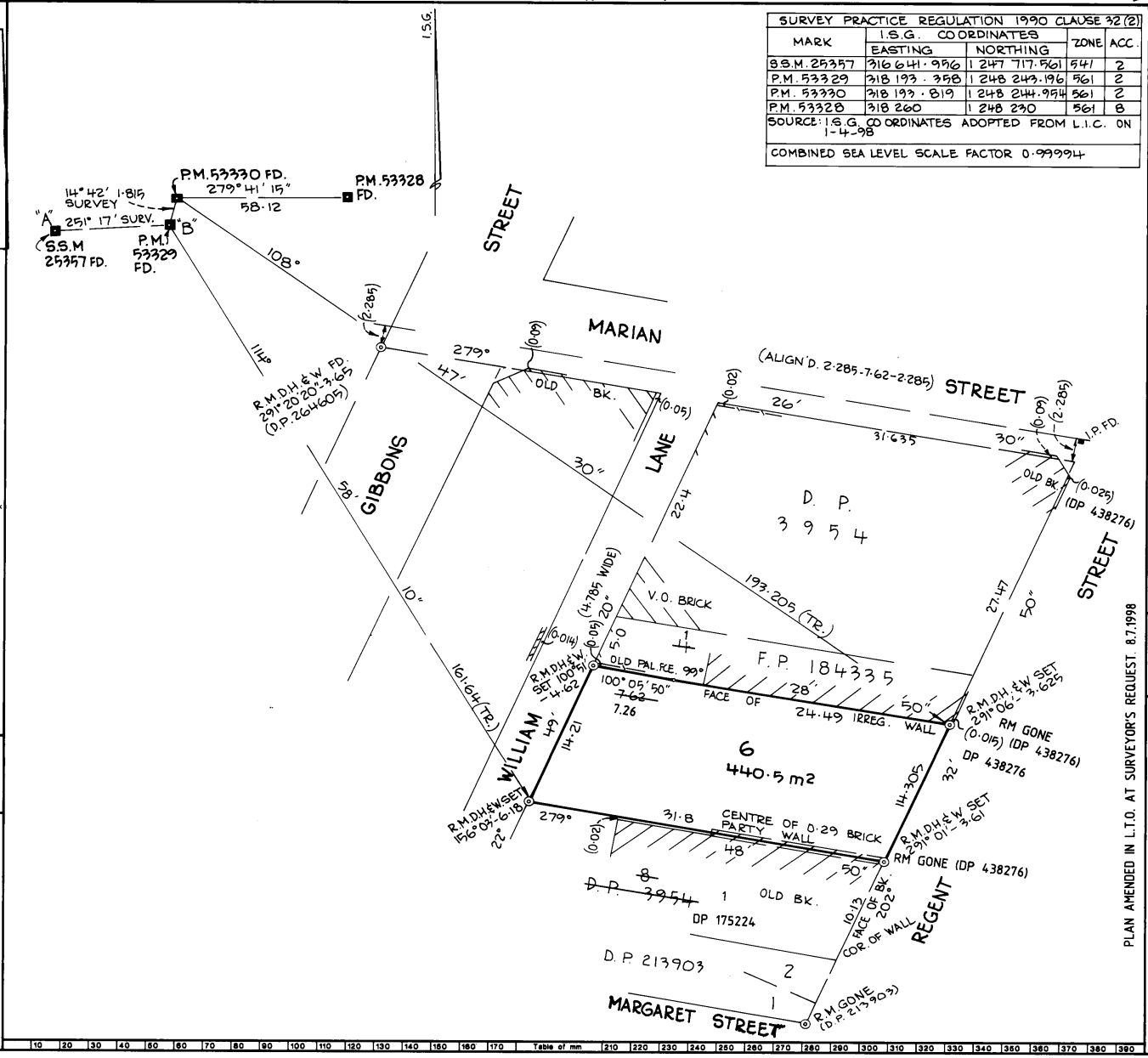
if inapplicable.

YOR'S REFERENCE: 82/98

SURVEY PRACTICE REGULATION 1990 CLAUSE 32(2)				
MARK	I.S.G. COORDINATES		ZONE	ACC.
	EASTING	NORTHING		
S.S.M. 25357	316 641·996	1 247 717·561	541	2
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P.M. 53330	318 193·819	1 248 244·954	561	2
P.M. 53328	318 260	1 248 230	561	8

SOURCE: I.S.G. CO ORDINATES ADOPTED FROM L.I.C. ON 1-4-98

COMBINED SEA LEVEL SCALE FACTOR 0·99994



PLAN AMENDED IN L.T.O. AT SURVEYOR'S REQUEST. 8.7.1998

DP 878444

Registered: 13-7-1998

C.A:

Title System: TORRENS

Purpose: CONSOLIDATION

Ref. Map: SOUTH SYDNEY SH 4

Last Plan: DP 3954

PLAN OF CONSOLIDATION OF LOTS A, B AND C F.P. 438276

Lengths are in metres. Reduction Ratio 1: 250

LGA: SOUTH SYDNEY

Suburb/Locality: REDFERN

Parish: ALEXANDRIA

County: CUMBERLAND

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

Survey Certificate Surveyors (Practice) Regulation 1996

I, MALCOLM PHILLIP THOMSON

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This survey relates to LOTS A, B & C IN FP 438276

(here specify the land actually surveyed, or specify any land shown in the plan that is not the subject of the survey)

Datum Line: "A" - "B"

Zoning: Suburban/Country (Signature) Surveyor registered under the Surveyors Act 1929

Plans used in preparation of survey/compilation.

D.P. 3954 4209, 213903, 264605 862514.

F.P. 184335, 438276

STH. SYDNEY SHT. 7

PANEL FOR USE ONLY for statements of intention to dedicate public roads, to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 Table of mm 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

DP 878444

Req:R690629 /Doc:CT 15246-028 CT /Rev:17-Dec-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 10:22 /Seq:1 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

[redacted]IFICATE OF TITLE

NEW SOUTH WALES — [redacted]EAL PROPERTY ACT, 1900

15246063

First title Old System

Prior Title Vol. 6412 Fol. 18

Vol. 15246 Fol. 28

EDITION ISSUED

27 7 1984

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

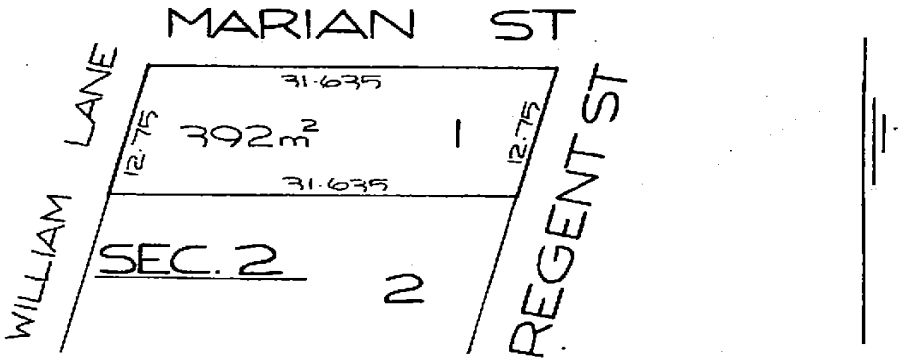
Registrar General.

CANCELLED

SEE AUTO FOLIO

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



V148292

LAND REFERRED TO LGA SOUTH SYDNEY

Lot 1 Section 2 in Deposited Plan 3954 at Eveleigh in the City of Sydney Parish of Alexandria County of Cumberland.

FIRST SCHEDULE

~~ANTHONY STAVRIANOS and [redacted]ANA STAVRIANOS as joint Tenants.~~

GRY

SECOND SCHEDULE

1. Reservations and conditions contained in the Crown Grant.
2. ~~T555844 Lease to Zelanian Pty. Limited of premises being the Ground Floor of the building known as 90 Regent St. Redfern [redacted] with rights and option of renewal. Expires 20-2-1986.~~ V706477
3. ~~T555848 Mortgage V148292 Transmission of Mortgagees now Alick Norman Jerome, Ena Beryl Jerome and Ella Ruth [redacted]et Smith for tenancy see dealing.~~ V706478

Ruth

Reg. Gen. 11-10-1984

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

(Page 1) Vol. 15246 Fol. 28

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

RG 2/64

Vol 15246 Fol 28

99346D 8.81 D. West, Government Printer

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	Registrar General
Vandek Pty. Limited by Transfer V706481. Registered 17-6-1985.	

SECOND SCHEDULE (continued)

PARTICULARS	Registrar General	CANCELLATION
~~T555848 Mortgage. V358290 Transfer of Mortgage to Alick Norman Jerome, Eng Beryl Jerome, Dorothy Margaret [illegible] and Credit Finance Company Pty. Limited. For tenancy see dealing. Registered 12.10.1984.~~	6	V706478
mm V706482 Mortgage to National Australia Bank Limited. Registered 17-6-1985.		

CANCELLED

SEE AUTO FOLIO

NOTATIONS AND UNREGISTERED DEALINGS

V358290 TMK (T555848)

V706477 [illegible]

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

© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern
Req:R690629 /Doc:CT 15246-028 CT /Rev:17-Dec-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 10:22 /Seq:2 of 2

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
23/7/2019 10:30AM

FOLIO: 1/2/3954

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 15246 FOL 28

Recorded	Number	Type of Instrument	C.T. Issue
9/8/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
27/9/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
4/9/1997		AMENDMENT: LOCAL GOVT AREA	
14/3/2004	AA472866	DEPARTMENTAL DEALING	
23/6/2006	AC403936	DISCHARGE OF MORTGAGE	
23/6/2006	AC403937	TRANSFER	
23/6/2006	AC403938	MORTGAGE	
23/6/2006	AC403939	MORTGAGE	EDITION 1
12/9/2006	AC537271	REQUEST	
2/10/2008	AE248642	DISCHARGE OF MORTGAGE	
2/10/2008	AE248643	DISCHARGE OF MORTGAGE	
2/10/2008	AE248644	TRANSFER	EDITION 2
17/10/2012	AH305565	LEASE	EDITION 3
30/7/2013	AH899382	SUB-LEASE	
26/6/2017	AM511285	REQUEST	
13/9/2017	AM699058	REQUEST	
2/11/2017	AM856271	DEPARTMENTAL DEALING	
29/11/2017	AM923871	DEPARTMENTAL DEALING	
18/4/2018	DP1232400	DEPOSITED PLAN	

*** END OF SEARCH ***

redfern PRINTED ON 23/7/2019

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Received: 23/07/2019 10:30:27

Req:R690794 /Doc:DL AC403937 /Rev:06-Jul-2006 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 10:32 /Seq:1 of 1
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Form: 01T
Release: 3.0
www.lands.nsw.gov.au

$2 (1)

TRANSFER

New South Wales
Real Property Act 1900

AC403937N

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

STAMP DUTY Office of State Revenue use only

Office of State Revenue
NSW Treasury
Client No: 88891 1774
Duty: $2 Trans No: 35385341
Asst details:

(A) **TORRENS TITLE** Folio Identifier 1/2/3954

(B) **LODGED BY**

Document Collection Box 57E ~~1055R~~	Name, Address or DX and Telephone	CODES
	GARLAND HAWTHORN BRAHE 12341Q Level 6, 74 Castlereagh Street Sydney MARSDEN Reference: LLPN 123758X	T TW (Sheriff)

(C) **TRANSFEROR** VANDEK PTY LIMITED ACN 001 377 279

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of $ 1,500,000.00 and as regards

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

(F) **SHARE TRANSFERRED**

(G) Encumbrances (if applicable):

(H) **TRANSFEREE** REDFERN DEVELOPMENT CORPORATION PTY LIMITED (ACN 100 789 044)

(I) **TENANCY:**

DATE

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

Corporation: Vandek Pty. Limited ACN 001 377 279
Authority: S.127 of the Corporations Law

Signature of authorised person:

Name of authorised person: Anthony Howy
Office held: Director

Signature of authorised person:

Name of authorised person: Eva Howy
Office held: Director

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

Signature:

Signatory's name: STEPHEN MARTIN
Signatory's capacity: Transferee's Solicitor

Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/2/3954

SEARCH DATE	TIME	EDITION NO	DATE
23/7/2019	10:32 AM	3	17/10/2012

LAND

LOT 1 OF SECTION 2 IN DEPOSITED PLAN 3954
AT EVELEIGH
LOCAL GOVERNMENT AREA SYDNEY
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND
TITLE DIAGRAM DP3954

FIRST SCHEDULE

COUNCIL OF THE CITY OF SYDNEY (T AE248644)

SECOND SCHEDULE (3 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)

2 AH305565 LEASE TO PROPERTY INDUSTRY FOUNDATION PTY LIMITED EXPIRES: 21/6/2017.

* AH899382 LEASE OF LEASE AH305565 TO THE SALVATION ARMY (NEW SOUTH WALES) PROPERTY TRUST EXPIRES: 20/6/2017.

* 3 AM699058 PROPOSED ACQUISITION PURSUANT TO SECTION 11 LAND ACQUISITION (JUST TERMS COMPENSATION) ACT, 1991 AFFECTING THE LAND ABOVE DESCRIBED

NOTATIONS

AM511285 NOTE: MEMORANDUM AM216034

AM923871 NOTE: ACQUIRED FOR THE JUST TERMS COMPENSATION ACT 1991 LOT 180 DP1232400 VIDE GOV. GAZ. 11-10-2017 FOLS. 5847-6099. ERRATUM VIDE GOV. GAZ. 10-11-2017 FOLS. 6787-6829

DP1232400 PLAN OF ACQUISITION

UNREGISTERED DEALINGS: R AN429158.

*** END OF SEARCH ***

redfern PRINTED ON 23/7/2019

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

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Received: 23/07/2019 10:32:53

Req:R692091 /Doc:CT 15444-050 CT /Rev:23-Dec-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 12:04 /Seq:1 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

[redacted]ICATE OF TITLE

15444-050

NEW SOUTH WALES PROPERTY ACT, 1900

First Title Old System

Prior Title Vol. 1557 Fol. 92

Vol. 15444 Fol. 50

CANCELLED

EDITION ISSUED 29 4 1986

15444 Fol. 50

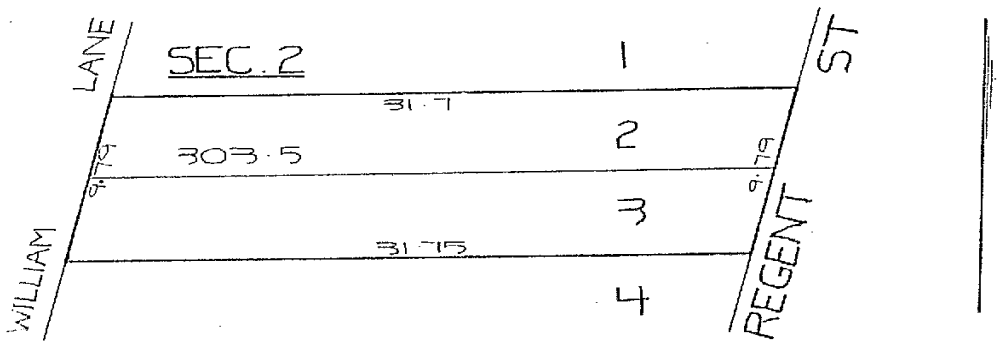
(Page 1 of 2)

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

Registrar General.

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



LAND REFERRED TO

Lots 2 and 3 of Section 2 in DP 3954 at Redfern in the City of Sydney Parish of Alexandria County of Cumberland.

FIRST SCHEDULE

ANTHONY STAVRIANOS and ANDRIANA STAVRIANOS as Joint Tenants. T120637

SECOND SCHEDULE

1. Reservations and conditions in the Crown Grant.
2. ~~T555846 Mortgage to Dorothy Margaret Clark as regards part being Lot 2 in Section 2 Deposited Plan 3954.~~ W517438, W367668
3. ~~T555847 Mortgage to Dorothy Margaret Clark, Reginald Graham Wood and Judith Anne [illegible]. For tenancy see dealing. As regards part being Lot 3 in Section 2 Deposited Plan 3954.~~ W517438) W367669)
4. W242678 Lease to Michael Burton and Leonard Arthur Doyle as Tenants in Common in equal shares of Lot 3 Section 2 in DP 3954 known as No 94 Regent Street, Redfern, together with and reserving rights. Expires 10-12-1988 with option of renewal 3 years.

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

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

LT 2/64

Vol 15444 Fol 50

40828–4036

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR

Registrar General

As to part being Lot 2 of Section 2 in DP3954
this Deed is cancelled and New Certificate of Title issued.
Vol 15466 Fol 219 dated 3.11.1986
Vide WS17438

As to residue being Lot 3 of Section 2 in DP3954
this Deed is cancelled and New Certificate of Title issued.
Vol 15466 Fol 219 dated 3.11.1986
Vide WS17438

SECOND SCHEDULE (continued)

PARTICULARS | Registrar General | CANCELLATION

NOTATIONS AND UNREGISTERED DEALINGS

WS36768M
- 69 DM
- 70 M
WS17438 NC

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

Req:R692091 /Doc:CT 15444-050 CT /Rev:23-Dec-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 12:04 /Seq:2 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

Req:R690630 /Doc:CT 15466-218 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 10:22 /Seq:1 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

[redacted]FICATE OF TITLE

NEW SOUTH WALES

[redacted]L PROPERTY ACT, 1900

15466218

Vol. 15466 Fol. 218

EDITION ISSUED 3 11 1986

First Title Old System

Prior Title Vol.15444 Fol.50

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

Registrar General.

CANCELLED

SEE AUTO FOLIO

(Page 1) Vol. 15466 Fol. 218

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

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

LAND REFERRED TO

S Lot 2 of Section 2 in DP3954 at Everleigh in the City of Sydney Parish of Alexandria County of Cumberland.

Title Diagram: DP3954

FIRST SCHEDULE

ANTHONY STAVRIANOS and ANDRIANA STAVRIANOS as Joint Tenants. T120637

SECOND SCHEDULE

GRY 1. Reservations and conditions in the Crown Grant.

Vol 15466 Fol 218

L.O. 55

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR | Registrar General

CANCELLED

SEE AUTO FOLIO

SECOND SCHEDULE (continued)

PARTICULARS | Registrar General | CANCELLATION

NOTATIONS AND UNREGISTERED DEALINGS

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

Req:R690630 /Doc:CT 15466-218 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 10:22 /Seq:2 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
11/7/2019 10:03AM

FOLIO: 2/2/3954

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 15466 FOL 218

Recorded	Number	Type of Instrument	C.T. Issue
9/8/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
29/9/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
29/11/1989	Y723245	LEASE	
29/11/1989	Y723246	MORTGAGE	EDITION 1
17/2/1992	E264573	VARIATION OF MORTGAGE	
17/2/1992	E264574	LEASE	EDITION 2
6/7/1993	I462098	REQUEST	
6/7/1993	I462099	LEASE	EDITION 3
17/10/1994	U708668	SURRENDER OF LEASE	
17/10/1994	U708669	DISCHARGE OF MORTGAGE	
17/10/1994	U708670	TRANSFER	EDITION 4
4/9/1997		AMENDMENT: LOCAL GOVT AREA	
24/8/1998	DP269227	DEPOSITED PLAN	EDITION 5
7/9/1998	5248612	MORTGAGE	EDITION 6
14/3/2004	AA472866	DEPARTMENTAL DEALING	
16/11/2011	AG624126	DISCHARGE OF MORTGAGE	EDITION 7
18/11/2011	AG627886	LEASE	EDITION 8
23/11/2011	AG639602	TRANSFER	EDITION 9
26/6/2017	AM511285	REQUEST	
29/6/2017	AM520719	CAVEAT	
13/9/2017	AM699058	REQUEST	
13/9/2017	AM723013	WITHDRAWAL OF CAVEAT	
13/9/2017	AM723017	TRANSFER	

END OF PAGE 1 - CONTINUED OVER

SEARCH DATE
11/7/2019 10:03AM

FOLIO: 2/2/3954 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
13/9/2017	AM723020	MORTGAGE	EDITION 10
20/10/2017	AM820330	DEPARTMENTAL DEALING	
29/11/2017	AM927846	DEPARTMENTAL DEALING	
18/4/2018	DP1232400	DEPOSITED PLAN	
4/9/2018	AN684116	DISCHARGE OF MORTGAGE	
4/9/2018	AN684117	MORTGAGE	
4/9/2018	AN684519	DEPARTMENTAL DEALING	EDITION 11
4/7/2019	AP370768	DISCHARGE OF MORTGAGE	
4/7/2019	AP370769	TRANSFER	EDITION 12

*** END OF SEARCH ***

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Received: 11/07/2019 10:03:40

Req:R692916 /Doc:DL U708670 /Rev:18-Mar-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 13:17 /Seq:1 of 1
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

97-01T

TRANSFER

Real Property Act, 1900

U 708670 D

Office use only

(A) **LAND TRANSFERRED**

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

FOLIO IDENTIFIER 2/2/3954

(B) **LODGED BY**

L.T.O. Box	Name, Address or DX and Telephone
5000	JOAN LLOYD blo DX 12009 BONDI JUNCTION REFERENCE (max. 15 characters): J. LAM P/U

(C) **TRANSFEROR** ANTHONY STAVRIANOS and ANDRIANA STAVRIANOS

(D) acknowledges receipt of the consideration of $273,000.00

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

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

(F) **TRANSFEREE**

T

J. LAM PTY. LIMITED (A.C.N. 003 439 745)
of 435 Penshurst Street, Roseville

(G) **TENANCY:**

(H) We certify this dealing correct for the purposes of the Real Property Act, 1900. **DATED** 10TH OCTOBER 1994

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

Signature of Witness

ANTHONY A. LUCAS

Name of Witness (BLOCK LETTERS)

13 CURTIS RD, BALMAIN

Address of Witness

Signature of Transferor

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

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address of Witness

JOHN LLOYD Solicitor Signature of Transferee for Transferee

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

CHECKED BY (office use only) MR28

Req:R692920 /Doc:DL AG639602 /Rev:25-Nov-2011 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 13:17 /Seq:1 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

Form: 01T
Licence: 01-05-025
Licensee: LEAP Legal Software Pty Limited
Firm name: John Lloyd & Co

TRANSFER

New South Wales
Real Property Act 1900

AG639602E

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

STAMP DUTY — Office of State Revenue use only

Office of State Revenue
NSW Treasury
Client No: 1411509 2652
Duty: $10 Trans No: 6474201
Asst details:
14.11.2011

(A) **TORRENS TITLE** — If appropriate, specify the part transferred
FOLIO IDENTIFIER 2/2/3954

(B) **LODGED BY**

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any	CODES
500C	LLPN: 123359N John Lloyd & Co Tel: 61 2 9389 0799 Reference (optional): JL:VJP:211164	T JT TJ TW

(C) **TRANSFEROR** — J. LAM PTY. LIMITED (A.C.N. 003 439 745)

(D) **CONSIDERATION** — The transferor acknowledges receipt of the consideration of $625,000.00 and as regards
(E) **ESTATE** — the land specified above transfers to the transferee an estate in fee simple.
(F) **SHARE TRANSFERRED** — WHOLE

(G) Encumbrances (if applicable):

(H) **TRANSFEREE** — D & J LAM SUPERFUND PTY. LIMITED (A.C.N. 152 171 741)

(I) **TENANCY:**

DATE 22 / 11 / 2011
dd mm yyyy

(J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.
Corporation: J Lam Pty Limited ACN 003 439 745
Authority: section 127 of the Corporations Act 2001

Signature of authorised person: Signature of authorised person:

Name of authorised person: Janet Bee-Ten Lam
Office held: Secretary

Name of authorised person: Dennis Yu-Cheong Lam
Office held: Director

Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.
Corporation: D & J Lam Superfund Pty Limited 152 171 741
Authority: section 127 of the Corporations Act 2001

Signature of authorised person: Signature of authorised person:

Name of authorised person: Janet Bee-Ten Lam
Office held: Secretary

Name of authorised person: Dennis Yu-Cheong Lam
Office held: Director

(K) The transferee certifies that the eNOS data relevant to this dealing has been submitted and stored under

Req:R692920 /Doc:DL AG639602 /Rev:25-Nov-2011 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 13:17 /Seq:2 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

eNOS ID No. [ ] Full name: _____ Signature: _____

Req:R692921 /Doc:DL AM723017 /Rev:14-Sep-2017 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 13:17 /Seq:1 of 1
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Form: 01T
Licence: 01-05-025
Licensee: LEAP Legal Software Pty Limited
Firm name: Raymond Lee & Co.

TRANSFER

New South Wales
Real Property Act 1900

AM723017X

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

STAMP DUTY — Office of State Revenue use only

Office of State Revenue
NSW Treasury
Client No: 2383746 667
Duty: $10 Trans No: 9111804-001
Asst details:

(A) TORRENS TITLE: 2/2/3954

(B) LODGED BY

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any	CODES
654X	M J ARMSTRONG & CO - DENTONS LPP:131317K Reference: 380898	T TW

(C) TRANSFEROR: D & J Lam Superfund Pty Limited ACN 152 171 741

(D) CONSIDERATION: The transferor acknowledges receipt of the consideration of $3,833,333.00 and as regards

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

(F) SHARE TRANSFERRED:

(G) Encumbrances (if applicable):

(H) TRANSFEREE: GGWL Investments Pty Ltd ACN 609 909 408

(I) TENANCY:

DATE 05/09/17

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

Corporation: D & J Lam Superfund Pty Limited ACN 152 171 741
Authority: section 127 of the Corporations Act 2001

JL

Signature of authorised person:
Name of authorised person: JANET LAM
Office held: DIRECTOR/SECRETARY

Signature of authorised person:
Name of authorised person: DENNIS LAM
Office held: DIRECTOR/SECRETARY

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

Signature:
Signatory's name: Raymond Lee
Signatory's capacity: Solicitor for the Transferee

(K) The transferee's agent certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. [ ] Full name: _____ Signature: _____

*s 117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.169326

ALL HANDWRITING MUST BE IN BLOCK CAPITALS.

Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 2/2/3954

SEARCH DATE	TIME	EDITION NO	DATE
23/7/2019	1:57 PM	12	4/7/2019

LAND

LOT 2 OF SECTION 2 IN DEPOSITED PLAN 3954
AT EVERLEIGH
LOCAL GOVERNMENT AREA SYDNEY
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND
TITLE DIAGRAM DP3954

FIRST SCHEDULE

THE TRUST COMPANY (AUSTRALIA) LIMITED (T AP370769)

SECOND SCHEDULE (4 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 DP269227 EASEMENT FOR SUPPORT 0.14 WIDE APPURTENANT TO THE LAND ABOVE DESCRIBED
3 DP269227 EASEMENT FOR SUPPORT 0.09 WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP269227
4 AM699058 PROPOSED ACQUISITION PURSUANT TO SECTION 11 LAND ACQUISITION (JUST TERMS COMPENSATION) ACT, 1991 AFFECTING THE LAND ABOVE DESCRIBED

NOTATIONS

AM511285 NOTE: MEMORANDUM AM216034
AM927846 NOTE: ACQUIRED FOR THE JUST TERMS COMPENSATION ACT 1991 LOT 180 DP1232400 VIDE GOV. GAZ. 11-10-2017 FOLS. 5847-6099. ERRATUM VIDE GOV. GAZ. 10-11-2017 FOLS. 6787-6829
DP1232400 PLAN OF ACQUISITION

UNREGISTERED DEALINGS: R AN429158.

*** END OF SEARCH ***

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

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Req:R690631 /Doc:CT 15466-219 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 10:22 /Seq:1 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern

15466219

[redacted]TICATE OF TITLE

NEW SOUTH WALES [redacted]L PROPERTY ACT, 1900

Vol. 15466 Fol. 219

EDITION 3 ISSUED 11 1986

First Title Old System

Prior Title Vol.15444 Fol.50

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

Registrar General.

CANCELLED

SEE AUTO FOLIO

(Page 1) Vol. 15466 Fol. 219

LAND REFERRED TO

S Lot 3 of Section 2 in DP3954 at Eveleigh in the City of Sydney Parish of Alexandria County of Cumberland.

Title Diagram: DP3954

FIRST SCHEDULE

ANTHONY STAVRIANOS and ANDRIANA STAVRIANOS as Joint Tenants. T120637

SECOND SCHEDULE

GRY L 1. Reservations and conditions in the Crown Grant.
2. W242678P Lease to Michael Burton and Leonard Arthur Doyle as Tenants in Common of No. 94 Regent Street, Redfern, together with and reserving rights. Expires 10.12.1988. Option of renewal 3 years.

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

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

Vol 15466 Fol 219

L.O. 55

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR | Registrar General

SECOND SCHEDULE (continued)

MY

PARTICULARS | Registrar General | CANCELLATION

W367670 Mortgage to Australia and New Zealand Banking Group Limited. Registered 5.11.1986.

Y401887 Lease to Michael Burton and Leonard Arthur Doyle as tenants in common in equal shares of premises known as 94 Regent Street Redfern. Expires 10-12-1991. Registered 19-6-1989.

CANCELLED

SEE AUTO FOLIO

NOTATIONS AND UNREGISTERED DEALINGS

W367670 - M R
Y401887 L
(part 94 Regent Street) R

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

Req:R690631 /Doc:CT 15466-219 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 10:22 /Seq:2 of 2
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Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
23/7/2019 1:17PM

FOLIO: 3/2/3954

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 15466 FOL 219

Recorded	Number	Type of Instrument	C.T. Issue
9/8/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
29/9/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
29/11/1989	Y723244	DISCHARGE OF MORTGAGE	
29/11/1989	Y723246	MORTGAGE	EDITION 1
17/2/1992	E264573	VARIATION OF MORTGAGE	EDITION 2
18/6/1992	E538954	LEASE	EDITION 3
11/11/1994	U783001	DISCHARGE OF MORTGAGE	EDITION 4
16/4/1997	2978286	TRANSFER	
16/4/1997	2978287	MORTGAGE	EDITION 5
4/9/1997		AMENDMENT: LOCAL GOVT AREA	
31/7/1998	5168898	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 6
24/8/1998	DP269227	DEPOSITED PLAN	
25/8/1998	5218641	DEPARTMENTAL DEALING	EDITION 7
14/3/2004	AA472866	DEPARTMENTAL DEALING	
26/6/2017	AM511285	REQUEST	
29/6/2017	AM520712	CAVEAT	
13/9/2017	AM699058	REQUEST	
13/9/2017	AM723014	WITHDRAWAL OF CAVEAT	
13/9/2017	AM723016	DISCHARGE OF MORTGAGE	
13/9/2017	AM723018	TRANSFER	
13/9/2017	AM723020	MORTGAGE	EDITION 8
20/10/2017	AM820361	DEPARTMENTAL DEALING	

END OF PAGE 1 - CONTINUED OVER

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
23/7/2019 1:17PM

FOLIO: 3/2/3954 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
29/11/2017	AM927846	DEPARTMENTAL DEALING	
18/4/2018	DP1232400	DEPOSITED PLAN	
4/9/2018	AN684116	DISCHARGE OF MORTGAGE	
4/9/2018	AN684117	MORTGAGE	
4/9/2018	AN684519	DEPARTMENTAL DEALING	EDITION 9
4/7/2019	AP370768	DISCHARGE OF MORTGAGE	
4/7/2019	AP370769	TRANSFER	EDITION 10

*** END OF SEARCH ***

redfern PRINTED ON 23/7/2019

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Received: 23/07/2019 13:17:39

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97-01T

TRANSFER

Real Property Act, 1900

2978286 T

Office of State Revenue use only

$2.00

N.S.W. STAMP DUTY

120397 1427 04 20124262 3/06

(A) **LAND TRANSFERRED**

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

Folio Identifier 3/2/3954

(B) **LODGED BY**

L.T.O. Box	Name, Address or DX and Telephone
45A	[illegible] AUSTRALIA BANK LIMITED [illegible] NATIONAL AUSTRALIA BANK HOUSE [illegible] SYDNEY [illegible] 237 [illegible]
	REFERENCE (max. 15 characters): FK6701

(C) **TRANSFEROR** ANTHONY STAVRIANOS and ANDRIANA STAVRIANOS

(D) acknowledges receipt of the consideration of $226,000-00

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

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

(F) **TRANSFEREE**

T TS (s713 LGA) TW (Sheriff)	PATRICE ALAN VATTAN and DANIELLE VATTAN

(G) **TENANCY:** AS JOINT TENANTS

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

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

.....
Signature of Witness

ELIA ECONOMOU.
Name of Witness (BLOCK LETTERS)

6 BEATTY ST MASCOT.
Address of Witness

.....
Signature of Transferor

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

.....
Signature of Witness

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

.....
Address of Witness

.....
SOLICITOR Signature of Transferees
M. A. CONFOS

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

CHECKED BY (office use only) 31

Req:R692965 /Doc:DL 2978286 /Rev:23-Apr-1997 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 13:23 /Seq:2 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern FAX:+61-2-92642769

Capital Office (2007) film w/2978286

Vattan

STATUTORY DECLARATION

We ANTHONY STAVRIANOS AND ANDRIANA STAVRIANOS of c/- 880 Anzac Parade, Maroubra in the State of New South Wales, Company Directors do solemnly and sincerely declare as follows:-

1. We are the registered proprietors of property known as 94 Regent Street, Redfern being the whole of the land comprised in Certificate of Title Folio Identifier 3/2/3954.

2. Registered on such title is Lease E538954 to Martin Hatton and Aileen Hatton.

3. As registered proprietors we hereby certify that the Lessees under Lease E538954 vacated the premises on or about the end of February 1994 and did not exercise their option for a further term and no longer have any estate or interest in the land.

AND WE MAKE this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Oaths Act, 1900.

SUBSCRIBED AND DECLARED)
at Maroubra) on this)
27th day of March 1997)

.....

.....

Before me:

.....

Req:R692967 /Doc:DL AM723018 /Rev:14-Sep-2017 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 13:23 /Seq:1 of 1
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Form: 01T
Licence: 01-05-025
Licensee: LEAP Legal Software Pty Limited
Firm name: Raymond Lee & Co.

TRANSFER

New South Wales
Real Property Act 1900

AM723018V

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

STAMP DUTY — Office of State Revenue use only

NSW Treasury
Client No: 2353746 667
Duty: $10 Trans No: 91118122-001
Asst details:

(A) TORRENS TITLE: 3/2/3954

(B) LODGED BY

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any	CODES
654X	M J ARMSTRONG & CO - DENTONS LPP:131317K Reference: 380898	T TW

(C) TRANSFEROR: Patrice Alan VATTAN and Danielle VATTAN

(D) CONSIDERATION: The transferor acknowledges receipt of the consideration of $3,833,333.00 and as regards
(E) ESTATE: the abovementioned land transfers to the transferee an estate in fee simple.

(F) SHARE TRANSFERRED:

(G) Encumbrances (if applicable):

(H) TRANSFEREE: GGWL Investments Pty Ltd ACN 609 909 408

(I) TENANCY:

DATE 05/09/17

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

Signature of witness:

Name of witness: SEAN TAIT
Address of witness:
150 MALABAR Rd
SOUTH COOGEE 2034

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

Signature of transferor:

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

Signature:

Signatory's name: Raymond Lee
Signatory's capacity: Solicitor for the Transferee

(K) The transferee's agent certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. [ ] Full name: _____ Signature: _____

s 117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.169337

ALL HANDWRITING MUST BE IN BLOCK CAPITALS.

Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 3/2/3954

SEARCH DATE	TIME	EDITION NO	DATE
23/7/2019	1:57 PM	10	4/7/2019

LAND

LOT 3 OF SECTION 2 IN DEPOSITED PLAN 3954
AT EVELEIGH
LOCAL GOVERNMENT AREA SYDNEY
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND
TITLE DIAGRAM DP3954

FIRST SCHEDULE

THE TRUST COMPANY (AUSTRALIA) LIMITED (T AP370769)

SECOND SCHEDULE (4 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 DP269227 EASEMENT FOR SUPPORT 0.14 WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP269227
3 DP269227 EASEMENT FOR SUPPORT 0.09 WIDE APPURTENANT TO THE LAND ABOVE DESCRIBED
4 AM699058 PROPOSED ACQUISITION PURSUANT TO SECTION 11 LAND ACQUISITION (JUST TERMS COMPENSATION) ACT, 1991 AFFECTING THE LAND ABOVE DESCRIBED

NOTATIONS

AM511285 NOTE: MEMORANDUM AM216034
AM927846 NOTE: ACQUIRED FOR THE JUST TERMS COMPENSATION ACT 1991 LOT 180 DP1232400 VIDE GOV. GAZ. 11-10-2017 FOLS. 5847-6099. ERRATUM VIDE GOV. GAZ. 10-11-2017 FOLS. 6787-6829
DP1232400 PLAN OF ACQUISITION

UNREGISTERED DEALINGS: R AN429158.

*** END OF SEARCH ***

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

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Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
23/7/2019 4:15PM

FOLIO: 4/2/3954

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 4489 FOL 13

Recorded	Number	Type of Instrument	C.T. Issue
9/9/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
14/3/1990		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
24/3/1993	I209527	TRANSFER	EDITION 1
17/12/1993	I886582	TRANSMISSION APPLICATION	EDITION 2
8/3/1994		AMENDMENT: TITLE DIAGRAM	
8/3/1994	U87403	DEPARTMENTAL DEALING	
9/3/1994		AMENDMENT: TITLE DIAGRAM	
31/10/1995	O650490	DEPARTMENTAL DEALING	FOLIO CANCELLED
4/9/1997		AMENDMENT: LOCAL GOVT AREA	
19/8/1999	6111476	DEPARTMENTAL DEALING	
14/3/2004	AA472866	DEPARTMENTAL DEALING	

*** END OF SEARCH ***

refern

PRINTED ON 23/7/2019

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Received: 23/07/2019 16:15:08

Req:R695049 /Doc:DL I209527 /Rev:07-May-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 16:15 /Seq:1 of 1
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RP13

TRANSFER

Real Property Act, 1900

I 209527 R

Office of St.

B $10-

$10.00

221092 2025 04 00144632/01

(A) **LAND TRANSFERRED**

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

Folio Identifiers 5/5933, 1/770870 and 4/2/3954

(B) **LODGED BY**

L.T.O. Box	Name, Address or DX and Telephone
385Y	HELLMRICH & HICKEY Solicitors 149 Castlereagh Street SYDNEY NSW 2000 DX 1228 SYDNEY PH: 264 1377 REFERENCE (max. 15 characters): A.D. Hickey

(C) **TRANSFEROR**

CON KOUTSOUNADIS, ERINE KOUTSOUNADIS, VIVI PARASKEVI GERMANOS, JOHN KOUTSOUNADIS and STEVE KOUTSOUNADIS

(D) acknowledges receipt of the consideration of $1.00

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

(E) subject to the following **ENCUMBRANCES** 1. Z631034 2. ..... 3. .....

(F) **TRANSFEREE**

V.P.G.K. E K S.K.

T

CON KOUTSOUNADIS, ERINE KOUTSOUNADIS, VIVI PARASKEVI GERMANOS, JOHN KOUTSOUNADIS and STEVE KOUTSOUNADIS

as ~~joint tenants~~/tenants in common in equal shares

(G) ~~S.K.~~

(H) We certify this dealing correct for the purposes of the Real Property Act, 1900. **DATE** 8 October 1992

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

Signature of Witness

ALAN DESMOND HICKEY
Name of Witness (BLOCK LETTERS)

149 CASTLEREAGH STREET SYDNEY
Address of Witness

C Koutsounadis
E Koutsounadis
V P Germanos-Koutsounadis
S Koutsounadis
C Koutsounadis
Signature of Transferor

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

Signature of Witness

ALAN DESMOND HICKEY
Name of Witness (BLOCK LETTERS)

149 CASTLEREAGH STREET SYDNEY
Address of Witness

C Koutsounadis
E Koutsounadis
V P Germanos-Koutsounadis
S Koutsounadis
C Koutsounadis
Signature of Transferee

CERTIFIED Cert. & RET. re 4489-13

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

CHECKED BY (office use only)

No NOS form - change of tenancy

1/770870 423 T

Ø that dec's required

Req:R695050 /Doc:DL I886582 /Rev:13-Apr-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 16:15 /Seq:1 of 2
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RP3 (2)

TRANSMISSION APPLICATION

Section 93 Real Property Act 1900

I 886582 B

Office of State Revenue use only

$10.00

141293 Bill 12 00159974B/03

(A) LAND

Show no more than 20 References to Title.

Folio Identifiers
B/108322 and
4/2/3954

(B) REGISTERED DEALING

If applicable.

(C) LODGED BY

L.T.O. Box	Name, Address or DX and Telephone
385Y	HELLMRICH & HICKEY 149 Castlereagh Street Sydney DX 1228 SYDNEY PH: 264 1377 REFERENCE (max. 15 characters) ADH:AH

(D) DECEASED REGISTERED PROPRIETOR

CON KOUTSOUNADIS

(E) APPLICANT

TA JOHN KOUTSOUNADIS

(F) I, the Applicant, being entitled as devisee of the ~~will/estate~~ of the Deceased Registered Proprietor (who died on 31/5/1993) pursuant to ~~Probate/Letters of Administration~~ No. 114461/93 granted on 7/10/1993 to John Koutsounadis, Steve Koutsounadis and Vivi Paraskevi Germanos Koutsounadis, apply to be registered as proprietor of the estate or interest of the Deceased Registered Proprietor in the ~~Land/Registered Dealing~~ specified above.

(G) Certified correct for the purposes of the Real property Act 1900. **DATE** 9 November 1993

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

Signature of Witness

ALAN DESMOND HICKEY
Name of Witness (BLOCK LETTERS)

149 Castlereagh Street Sydney
Address of Witness

Koutsounadis
Signature of Applicant

EVIDENCE SIGHTED (office use only) AH

CHECKED BY (office use only) AH

CONSENT OF EXECUTOR OR ADMINISTRATOR

(H)

We, John Koutsounadis, Steve Koutsounadis and
~~I,~~ Vivi Paraskevi Germanos Koutsounadis ..... Executor~~/Administrator~~ of the will ~~/Administrator of the estate~~ of the Deceased Registered Proprietor, hereby consent to this application.

Signature of Witness

ALAN DESMOND HICKEY
Name of Witness (BLOCK LETTERS)

149 Castlereagh Street Sydney
Address of Witness

Koutsounadis.
S. Koutsounadis
V.P. Germanos-Koutsounadis

Signature of Executor/~~Administrator~~

INSTRUCTIONS FOR COMPLETION

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

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

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

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

(C) LODGED BY
This section relates to the person or firm lodging the Application at the Land Titles Office.
Reference (max. 15 characters) This is optional. Any slashes, dots, blank spaces, etc, will be counted as characters.

(D) DECEASED REGISTERED PROPRIETOR
Show the name in full. Address and occupation need not be shown.

(E) APPLICANT
Show the name in full. Address and occupation need not be shown.

(F) WILL/ESTATE, etc
Amend "will/estate", "Probate/Letters of Administation" and "Land/Registered Dealing" as appropriate.
In the relevant spaces show the capacity (executor, devisee, etc) in which the Applicant is entitled to apply, the date of death of the Deceased Registered Proprietor, the number and date of grant of the Probate or Letters of Administration pursuant to which the Application is made, and the name of the person to whom the grant was made.

(G) EXECUTION
General The application must be executed by or on behalf of the Applicant.
By the Applicant Personally The application must be signed in the presence of an adult witness who is not an Applicant and who knows the party executing personally. The witness should complete the appropriate section of the application.
By the Applicant's Attorney The Power of Attorney must be registered in the General Register of Deeds at the Land Titles Office. The execution should take the form, "AB by her attorney XY *[full name]* pursuant to Power of Attorney Book 1234 Number 567".
Under Authority If the application is made pursuant to any statutory, judicial or other authority, except a Power of Attorney (see above), the nature of the authority should be disclosed.
By a Corporation under Seal The execution should include a statement that the seal has been properly affixed, for example, "... pursuant to a resolution of the board of directors ...". Alternatively, all those attesting the affixing of the seal must state their position in the corporation.

(H) CONSENT OF EXECUTOR OR ADMINISTRATOR
This is required only where the Applicant claims to be entitled other than as executor, administrator or trustee.

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

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

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Req:R695050 /Doc:DL I886582 /Rev:13-Apr-2010 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 16:15 /Seq:2 of 2

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
11/7/2019 10:03AM

FOLIO: 1/184335

First Title(s): OLD SYSTEM
Prior Title(s): VOL 4489 FOL 13

Recorded	Number	Type of Instrument	C.T. Issue
9/10/1995	DP184335	DEPOSITED PLAN	LOT RECORDED FOLIO NOT CREATED
1/11/1995	DP184335	DEPOSITED PLAN	FOLIO CREATED CT NOT ISSUED
2/11/1995	O657129	DEPARTMENTAL DEALING	
27/5/1998	5016090	LEASE	EDITION 1
8/3/1999	5657622	DEPARTMENTAL DEALING	
14/3/2004	AA472866	DEPARTMENTAL DEALING	
20/11/2014	AJ35725	TRANSFER WITHOUT MONETARY CONSIDERATION	EDITION 2
25/11/2014	AJ66123	TRANSFER WITHOUT MONETARY CONSIDERATION	EDITION 3
17/11/2015	AJ988443	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 4
26/6/2017	AM511285	REQUEST	
29/6/2017	AM520726	CAVEAT	
13/9/2017	AM699058	REQUEST	
13/9/2017	AM723015	WITHDRAWAL OF CAVEAT	
13/9/2017	AM723019	TRANSFER	
13/9/2017	AM723020	MORTGAGE	EDITION 5
20/10/2017	AM820361	DEPARTMENTAL DEALING	
29/11/2017	AM928166	DEPARTMENTAL DEALING	
18/4/2018	DP1232400	DEPOSITED PLAN	
4/9/2018	AN684116	DISCHARGE OF MORTGAGE	
4/9/2018	AN684117	MORTGAGE	

END OF PAGE 1 - CONTINUED OVER

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
11/7/2019 10:03AM

FOLIO: 1/184335

Recorded	Number	Type of Instrument	C.T. Issue
4/9/2018	AN684519	DEPARTMENTAL DEALING	EDITION 6
4/7/2019	AP370768	DISCHARGE OF MORTGAGE	
4/7/2019	AP370769	TRANSFER	EDITION 7

*** END OF SEARCH ***

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Received: 11/07/2019 10:03:40

Req:R694857 /Doc:DL AJ035725 /Rev:25-Nov-2014 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 16:01 /Seq:1 of 2
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Form: 01T
Licence: 01-05-025
Licensee: LEAP Legal Software Pty Limited
Firm name: John de Mestre & Co Pty Ltd

TRANSFER

New South Wales
Real Property Act 1900

AJ35725E

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

STAMP DUTY

Office of State Revenue use only

Office of State Revenue
NSW Treasury
Client No: 3323749
Duty: 6890
Trans No: 7855454-007
2766
Asst details:

(A) TORRENS TITLE — Folio Identifier: 1/184335

(B) LODGED BY

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any
268D	SYDNEY LEGAL AGENTS - INFOTRACK LLP: 132579W Reference: J. DEMESTRE / 151918

CODES: T TW

ALTERATION NOTED
3323749 2766
OFFICE OF STATE REVENUE (NSW)
TRANSFEROR

(D) CONSIDERATION
(E) ESTATE
(F) SHARE TRANSFERRED
(G)
(H) TRANSFEREE

OFFICE OF STATE REVENUE N.S.W. TREASURY
3323749 2766
ALTERATION NOTED

Erine Koutsounadis + Steve Koutsounadis

The transferor acknowledges receipt of the consideration of $1.00 and as regards the abovementioned land transfers to the transferee an estate in fee simple.

~~1/5 Share~~

Encumbrances (if applicable): off L 5016090

John Koutsounadis

TENANCY:

(I) DATE 15/9/2014

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

Signature of witness: J. Kouts

Name of witness: James Kouts
Address of witness: 146 Ruglan St Mosman NSW 2088

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

Signature of transferor: E Koutsounadis *

I certify that I am an eligible witness and that the transferee signed this dealing in my presence. [See note* below] 15/9/2014

Signature of witness: J. Kouts

Name of witness: James Kouts
Address of witness: 146 Ruglan St Mosman NSW 2088

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

Signature of transferee: J Koutsounadis

(K) The transferee certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. [ ] Full name: ~~Eleni Koutsounadis~~ Signature: ~~E Koutsounadis~~ *

Jennifer Borg 8/11/14 authorised to amend

* s 117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.031466

RELODGED
16 NOV 2014
TIME: 11:50

Req:R694857 /Doc:DL AJ035725 /Rev:25-Nov-2014 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 16:01 /Seq:2 of 2
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Form: 01T
Licence: 01-05-025
Licensee: LEAP Legal Software Pty Limited
Firm name: John de Mestre & Co Pty Ltd

TRANSFER

New South Wales
Real Property Act 1900

Leave this space clear. Affix additional pages to the top left-hand corner.

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

STAMP DUTY Office of State Revenue use only

For Execution of Second Transferor Steve Koutsounadis ONLY

(A) **TORRENS TITLE** Folio Identifier 1/184335

(B) **LODGED BY**

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any John de Mestre & Co Pty Ltd PO Box A42, Sydney South NSW 1235 Tel: 02 9284 5800 Reference: JDM:KM:9312	CODES T TW

(C) **TRANSFEROR** Steve Koutsounadis + Erine Koutsounadis

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of $1.00 and as regards

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

(F) **SHARE TRANSFERRED** ~~1/5 Share~~

(G) Encumbrances (if applicable):

(H) **TRANSFEREE** John Koutsounadis

(I) **TENANCY:**

DATE 24/7/14

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

Signature of witness: 24/7/14

Name of witness: ANGELIQUE LAMBROS
Address of witness: 31 COOK ROAD
MARRICKVILLE NSW 2204

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

Signature of transferor: J Koutsounadis 24/7/14

I certify that I am an eligible witness and that the transferee signed this dealing in my presence.
[See note* below]

Signature of witness: 24/7/14

Name of witness: ANGELIQUE LAMBROS
Address of witness: 31 COOK ROAD
MARRICKVILLE NSW 2204

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

Signature of transferee: J. Koutsounadis 24/07/14

(K) The transferee certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. [ ] Full name: STEVE KOUTSOUNADIS Signature: J Koutsounadis

** s 117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.031471*

Req:R694862 /Doc:DL AJ066123 /Rev:28-Nov-2014 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 16:01 /Seq:1 of 1
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Form: 01T
Licence: 01-05-025
Licensee: LEAP Legal Software Pty Limited
Firm name: John de Mestre & Co Pty Ltd

TRANSFER

New South Wales
Real Property Act 1900

AJ66123K

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

STAMP DUTY Office of State Revenue use only

State Revenue
NSW Treasury
2766
Client No: 3323749
Duty: 2690 Trans No. 78711902
Asst details

(A) **TORRENS TITLE** Folio Identifier 1/184335

(B) **LODGED BY**

Document Collection Box	Name, Address or DX, Telephone, and Customer Account Number if any
1W	John de Mestre & Co Pty Ltd PO Box A42, Sydney South NSW 1235 Tel: 02 9284 5800 Reference: JDM:KM:9312

CODES T TW

(C) **TRANSFEROR** Vivi Paraskevi Germanos Koutsounadis

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of $1.00 and as regards
(E) **ESTATE** the abovementioned land transfers to the transferee an estate in fee simple.
(F) **SHARE TRANSFERRED** ~~1/5 Share~~

(G) Encumbrances (if applicable):

(H) **TRANSFEREE** John Koutsounadis

(I) **TENANCY:**

DATE 18th November 2014

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

Signature of witness: S. Chowdhary

Name of witness:
Address of witness:
SHIKHA CHOWDHARY
3/14 PROSPECT RD, SUMMER HILL - 2130

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

Signature of transferor: VP Germanos-Koutsounadis

I certify that I am an eligible witness and that the transferee signed this dealing in my presence.
[See note* below]

Signature of witness: S. Chowdhary

Name of witness:
Address of witness:
SHIKHA CHOWDHARY
3/14 PROSPECT RD,
SUMMER HILL - 2130

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

Signature of transferee: Koutsounadis

(K) The transferee certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. _____ Full name: _____ Signature: _____

* *s 117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.031468*

ALL HANDWRITING MUST BE IN BLOCK CAPITALS.

Req:R694436 /Doc:DL AM723019 /Rev:14-Sep-2017 /NSW LRS /Pgs:ALL /Prt:23-Jul-2019 15:27 /Seq:1 of 1
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Form: 01T
Licence: 01-05-025
Licensee: LEAP Legal Software Pty Limited
Firm name: Raymond Lee & Co.

TRANSFER

New South Wales
Real Property Act 1900

AM723019T

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

STAMP DUTY Office of State Revenue use only

Office of State Revenue
NSW Treasury
Client No: 2363746 667
Duty: NO Trans No: 9111815-001
Asst details:

(A) **TORRENS TITLE** 1/184335

(B) **LODGED BY**

Document Collection Box 654X	Name, Address or DX, Telephone, and Customer Account Number if any M J ARMSTRONG & CO - DENTONS LPP:131317K Reference: 380898

CODES T TW

(C) **TRANSFEROR** John KOUTSOUNADIS

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of $3,833,333.00 and as regards
(E) **ESTATE** the abovementioned land transfers to the transferee an estate in fee simple.

(F) **SHARE TRANSFERRED**

(G) Encumbrances (if applicable):

(H) **TRANSFEREE** GGWL Investments Pty Ltd ACN 609 909 408

(I) **TENANCY:**

DATE 05/09/17

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

Signature of witness:

Name of witness: Warren Azar
Address of witness: 5/50 Park Street
SYDNEY NSW 2000

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

Signature of transferor:

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

Signature:

Signatory's name: Raymond Lee
Signatory's capacity: Solicitor for the Transferee

(K) The transferee's agent certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. [ ] Full name: _____ Signature: _____

s 117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.169339

ALL HANDWRITING MUST BE IN BLOCK CAPITALS.

Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/184335

SEARCH DATE	TIME	EDITION NO	DATE
23/7/2019	4:13 PM	7	4/7/2019

LAND

LOT 1 IN DEPOSITED PLAN 184335
AT REDFERN
LOCAL GOVERNMENT AREA SYDNEY
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND
TITLE DIAGRAM DP184335

FIRST SCHEDULE

THE TRUST COMPANY (AUSTRALIA) LIMITED (T AP370769)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AM699058 PROPOSED ACQUISITION PURSUANT TO SECTION 11 LAND ACQUISITION (JUST TERMS COMPENSATION) ACT, 1991 AFFECTING THE LAND ABOVE DESCRIBED

NOTATIONS

AM511285 NOTE: MEMORANDUM AM216034
AM928166 NOTE: ACQUIRED FOR THE JUST TERMS COMPENSATION ACT 1991 LOT 180 DP1232400 VIDE GOV. GAZ. 11-10-2017 FOLS. 5847-6099. ERRATUM VIDE GOV. GAZ. 10-11-2017 FOLS. 6787-6829
DP1232400 PLAN OF ACQUISITION

UNREGISTERED DEALINGS: R AN429158.

*** END OF SEARCH ***

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

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Received: 23/07/2019 16:13:34

Req:R697324 /Doc:CT 11808-107 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 10:30 /Seq:1 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern SP 57425

[redacted]FICATE OF TITLE

NEW SOUTH WALES

[redacted]L PROPERTY ACT, 1900

Appln. No.10497

Prior Titles Vol.8381 Fols.166, 167 and 168

Vol. 11808 Fol. 107

Edition issued 14-3-1972

M597795

(Page 1) Vol. 11808 Fol. 107

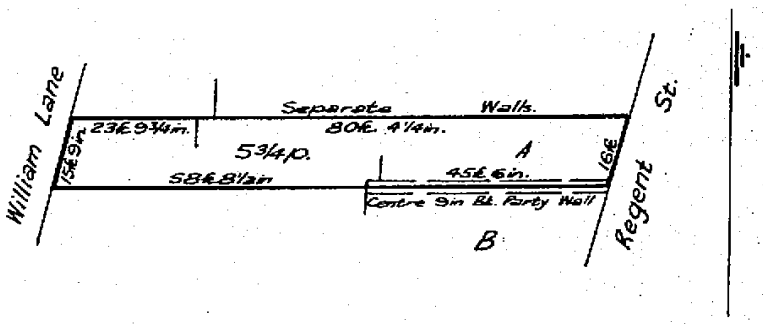
I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

CANCELLED

Registrar General.

SEE AUTO FOLIO

PLAN SHOWING LOCATION OF LAND



M597795 clear
AT

Scale: 30feet to one inch.

S

ESTATE AND LAND REFERRED TO.

Estate in Fee Simple in Lot A in plan lodged with Transfer No.G127969 (Filed as F.P.438276) at Eveleigh in the Municipality of South Sydney Parish of Alexandria and County of Cumberland being part of 95 acres granted to William Chippendale on 31-8-1819.

FIRST SCHEDULE

G.JENSSEN PTY. LIMITED.

SECOND SCHEDULE

GRY

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

Registrar General

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

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

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

Vol. 11808 Fol. 107

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	ENTERED	Signature of Registrar General
CANCELLED					
SEE AUTO FOLIO					

M633267P refer to SD/ re sec 12(1) & Order of this date

SECOND SCHEDULE (continued)

INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
ME Mortgage	M633267P	24-1-1972	to Commonwealth Trading Bank of Australia.	14-4-1972				

(Page 2 of 2 pages)

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

Req:R697324 /Doc:CT 11808-107 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 10:30 /Seq:2 of 2
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Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
24/7/2019 10:30AM

FOLIO: A/438276

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 11808 FOL 107

Recorded	Number	Type of Instrument	C.T. Issue
29/7/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
5/9/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
3/10/1995	O559427	DISCHARGE OF MORTGAGE	
3/10/1995	O559428	TRANSFER	EDITION 1
16/10/1995	O611181	MORTGAGE	EDITION 2
28/1/1997	2790657	DISCHARGE OF MORTGAGE	EDITION 3
29/8/1997	3368184	MORTGAGE	EDITION 4
4/9/1997		AMENDMENT: LOCAL GOVT AREA	
13/7/1998	DP878444	DEPOSITED PLAN	FOLIO CANCELLED
14/3/2004	AA472866	DEPARTMENTAL DEALING	

*** END OF SEARCH ***

redfern SP 57425 PRINTED ON 24/7/2019

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Received: 24/07/2019 10:30:24

Req:R697325 /Doc:DL 0559428 /Rev:02-Mar-2010 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 10:30 /Seq:1 of 1
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern SP 57425

97-01T

TRANSFER

Real Property Act, 1900

0
559428 N

Office of State Revenue use only

N.S.W. STAMP DUTY
220695 0932 04 20100356/03 $2.00

(A) **LAND TRANSFERRED**

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

FOLIO IDENTIFIER A/438276, B/438276, C/438276

(B) **LODGED BY**

L.T.O. Box	Name, Address or DX and Telephone
1073P	MESSRS CONSTANTINE G. PAVLIS & CO SOLICITORS 173 VICTORIA ROAD, DRUMMOYNE NSW 2047 DX 1071 SYDNEY, TEL: 81 2304, REFERENCE (max. 15 characters): P: CGP:PG:7188

(C) **TRANSFEROR** G JENSSEN PTY LIMITED having A.C.N. 000 969 513

(D) acknowledges receipt of the consideration of $310,000.00

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

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

(F) **TRANSFEREE**

T TS (s713 LGA) TW (Sheriff)	NASA CONSTRUCTIONS PTY LIMITED having A.C.N. 069 882 604

(G) **TENANCY:**

(H) We certify this dealing correct for the purposes of the Real Property Act, 1900. **DATED** 14.9.1995

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

THE COMMON SEAL OF G JENSSEN PTY LIMITED was hereunto duly affixed by authority of the Board of Directors previously given and in the presence of:

Common Seal — G. JENSSEN PTY. LIMITED A.C.N. 000 969 513

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address of Witness

Secretary Director

Signature of Transferor

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

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address of Witness

Solicitor for ~~Transferee~~ Transferee C.G. Pavlis

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

CHECKED BY (office use only) 2C D

Req:R697329 /Doc:CT 11808-108 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 10:31 /Seq:1 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern SP 57425

[redacted]FICATE OF TITLE

NEW SOUTH WALES

[redacted]L PROPERTY ACT, 1900

11808108

Appln. No.10497

Prior Titles Vol.8381 Fols.172, 173 and 174

Vol. 11808 Fol. 108

Edition issued 14-3-1972

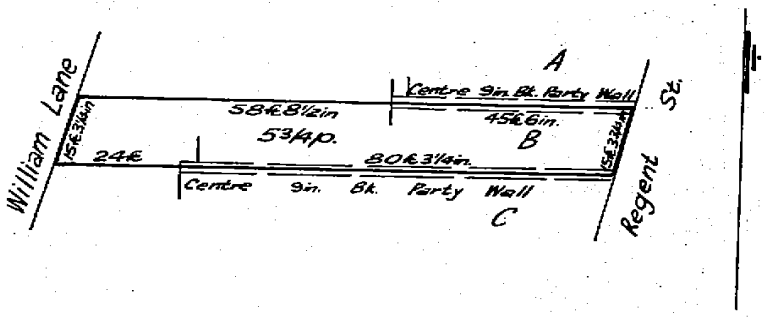
M597795

(Page 1) Vol. 11808 Fol. 108

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

CANCELLED
[signature]
Registrar General
SEE AUTO FOLIO

PLAN SHOWING LOCATION OF LAND



M597795 cl

Scale: 30feet to one inch.

S

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot B in plan lodged with Transfer No.G127969 (Filed as F.P.438276) at Eveleigh inthe Municipality of South Sydney Parish of Alexandria and County of Cumberland being part of 95 acres granted to William Chippendale on 31-8-1819.

FIRST SCHEDULE

G.JENSSEN PTY. LIMITED.

GRY

SECOND SCHEDULE

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

[signature]
Registrar General

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

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

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

Req:R697329 /Doc:CT 11808-108 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 10:31 /Seq:2 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern SP 57425

Vol. 11808 Fol. 108

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	ENTERED	Signature of Registrar General
CANCELLED					
SEE AUTO FOLIO					

M633267P mortgage to SDB
See AB on endorsement

SECOND SCHEDULE (continued)

INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
Mortgage	M633267P	24-1-1972	to Commonwealth Trading Bank of Australia.	14-4-1972				

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

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
24/7/2019 10:30AM

FOLIO: B/438276

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 11808 FOL 108

Recorded	Number	Type of Instrument	C.T. Issue
29/7/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
5/9/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
3/10/1995	O559427	DISCHARGE OF MORTGAGE	
3/10/1995	O559428	TRANSFER	EDITION 1
16/10/1995	O611181	MORTGAGE	EDITION 2
28/1/1997	2790657	DISCHARGE OF MORTGAGE	EDITION 3
29/8/1997	3368184	MORTGAGE	EDITION 4
4/9/1997		AMENDMENT: LOCAL GOVT AREA	
13/7/1998	DP878444	DEPOSITED PLAN	FOLIO CANCELLED
14/3/2004	AA472866	DEPARTMENTAL DEALING	

*** END OF SEARCH ***

redfern SP 57425 PRINTED ON 24/7/2019

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© Office of the Registrar-General /Src:INFOTRACK /Ref:redfern SP 57425

11808/109

[redacted]FICATE OF TITLE

NEW SOUTH WALES

[redacted]L PROPERTY ACT, 1900

Appln. No.10497

Prior Titles Vol.8381 Fols. 163, 164 and 165

Vol. 11808 Fol. 109

Edition issued 14-3-1972

M597795

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

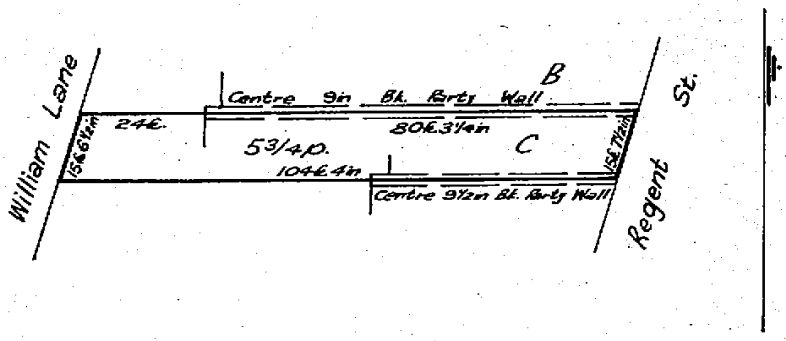
CANCELLED

SEE AUTO FOLIO

Registrar General.

(Page 1) Vol. 11808 Fol. 109

PLAN SHOWING LOCATION OF LAND



M597795 CANCELLED RG

Scale: 30feet to one inch

S

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot C in plan lodged with Transfer No.G127969 (Filed as F.P.438276) at Eveleigh in the Municipality of South Sydney Parish of Alexandria and County of Cumberland being part of 95 acres granted to William Chippendale on 31-8-1819.

FIRST SCHEDULE

G.JENSSEN PTY. LIMITED.

GRY

SECOND SCHEDULE

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

Registrar General

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

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

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

Vol. 11808 Fol. 109

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	ENTERED	Signature of Registrar General
CANCELLED					
SEE AUTO FOLIO					

M633267N
Mtge E S D
recee 16/1
re Lodgment
from
N486477 Nrong

SECOND SCHEDULE (continued)

INSTRUMENT NATURE	INSTRUMENT NUMBER	INSTRUMENT DATE	PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION
ME Mortgage	M633267 P	24-1-1972	to Commonwealth Trading Bank of Australia.	14-4-1972		

(Page 2 of 2 pages)

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

Req:R697331 /Doc:CT 11808-109 CT /Rev:21-Dec-2010 /NSW LRS /Pgs:ALL /Prt:24-Jul-2019 10:31 /Seq:2 of 2
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Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
24/7/2019 10:30AM

FOLIO: C/438276

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 11808 FOL 109

Recorded	Number	Type of Instrument	C.T. Issue
29/7/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
5/9/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
3/10/1995	O559427	DISCHARGE OF MORTGAGE	
3/10/1995	O559428	TRANSFER	EDITION 1
16/10/1995	O611181	MORTGAGE	EDITION 2
28/1/1997	2790657	DISCHARGE OF MORTGAGE	EDITION 3
29/8/1997	3368184	MORTGAGE	EDITION 4
4/9/1997		AMENDMENT: LOCAL GOVT AREA	
13/7/1998	DP878444	DEPOSITED PLAN	FOLIO CANCELLED
14/3/2004	AA472866	DEPARTMENTAL DEALING	

*** END OF SEARCH ***

redfern SP 57425 PRINTED ON 24/7/2019

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Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
11/7/2019 10:03AM

FOLIO: 6/878444

First Title(s): OLD SYSTEM
Prior Title(s): A-C/438276

Recorded	Number	Type of Instrument	C.T. Issue
14/7/1998	DP878444	DEPOSITED PLAN	FOLIO CREATED CT NOT ISSUED
15/7/1998	SP57425	STRATA PLAN	FOLIO CANCELLED
14/3/2004	AA472866	DEPARTMENTAL DEALING	

*** END OF SEARCH ***

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Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
24/7/2019 11:38AM

FOLIO: CP/SP57425

First Title(s): OLD SYSTEM
Prior Title(s): 6/878444

Recorded	Number	Type of Instrument	C.T. Issue
15/7/1998	SP57425	STRATA PLAN	FOLIO CREATED EDITION 1
14/2/2000	6562092	CHANGE OF BY-LAWS	EDITION 2
14/3/2004	AA472866	DEPARTMENTAL DEALING	
18/10/2012	AH307167	CHANGE OF BY-LAWS	EDITION 3
26/6/2017	AM511285	REQUEST	
13/9/2017	AM699058	REQUEST	
20/10/2017	AM820361	DEPARTMENTAL DEALING	
29/11/2017	AM926928	DEPARTMENTAL DEALING	
18/4/2018	DP1232400	DEPOSITED PLAN	

*** END OF SEARCH ***

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Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: CP/SP57425

SEARCH DATE	TIME	EDITION NO	DATE
24/7/2019	11:39 AM	3	18/10/2012

LAND

THE COMMON PROPERTY IN THE STRATA SCHEME BASED ON STRATA PLAN 57425 WITHIN THE PARCEL SHOWN IN THE TITLE DIAGRAM

AT REDFERN
LOCAL GOVERNMENT AREA SYDNEY
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND
TITLE DIAGRAM SHEET 1 SP57425

FIRST SCHEDULE

THE OWNERS - STRATA PLAN NO. 57425
ADDRESS FOR SERVICE OF DOCUMENTS:
98-102 REGENT ST
REDEFERN,NSW, 2016

SECOND SCHEDULE (6 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 DP878444 CROSS EASEMENTS FOR PARTY WALLS (S.88BB CONVEYANCING ACT, 1919) AFFECTING THE PARTY WALL(S) SHOWN IN THE TITLE DIAGRAM
3 ATTENTION IS DIRECTED TO THE MIXED USE SCHEMES MODEL BY-LAWS CONTAINED IN THE STRATA SCHEMES MANAGEMENT REGULATION APPLICABLE AT THE DATE OF REGISTRATION OF THE SCHEME
KEEPING OF ANIMALS - OPTION A HAS BEEN ADOPTED
4 6562092 CHANGE OF BY-LAWS
5 AH307167 CHANGE OF BY-LAWS
* 6 AM699058 PROPOSED ACQUISITION PURSUANT TO SECTION 11 LAND ACQUISITION (JUST TERMS COMPENSATION) ACT, 1991 AFFECTING THE LAND ABOVE DESCRIBED

SCHEDULE OF UNIT ENTITLEMENT (AGGREGATE: 110)

STRATA PLAN 57425

LOT	ENT	LOT	ENT	LOT	ENT	LOT	ENT
1	10	2	10	3	10	4	10
5	10	6	10	7	10	8	10
9	10	10	10	11	10		

END OF PAGE 1 - CONTINUED OVER

NOTATIONS

AM511285 NOTE: MEMORANDUM AM216034
AM926928 NOTE: ACQUIRED FOR THE JUST TERMS COMPENSATION ACT 1991 LOT 180 DP1232400 VIDE GOV. GAZ. 11-10-2017 FOLS. 5847-6099. ERRATUM VIDE GOV. GAZ. 10-11-2017 FOLS. 6787-6829
DP1232400 PLAN OF ACQUISITION

UNREGISTERED DEALINGS: R AN429158.

*** END OF SEARCH ***

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

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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

LRS NSW **Sydney**

Address: - 90 to 102 Regent Street, Redfern

Description: - Lots 1, 2 & 3 Section 2 D.P. 3954, Lot 1 D.P. 184335 and Strata Plan No. 57425 (Excluding Lot 180 D.P. 1232400)

As regards Lot 1 Section 2 D.P. 3954

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
06.04.1904 (1904 to 1982)	Tooth & Co Limited	Vol 1527 Fol 17 Now Vol 6412 Fol 18
02.07.1982 (1984 to 1985)	Anthony Stavrianos Andriana Stavrianos	Vol 6412 Fol 18 Now Vol 15246 Fol 28
17.06.1985 (1985 to 2006)	Vandek Pty Limited	Vol 15246 Fol 28 Now 1/2/3954
23.06.2006 (2006 to 2008)	Redfern Development Corporation Pty Limited	1/2/3954
02.10.2008 (2008 to date)	# Council of the City of Sydney	1/2/3954

# Denotes Current Registered Proprietor

Leases, excluding building premises: -

- Numerous leases were found from 1905 to 1978, (1) to various individuals described as Licensed Publicans, or (2) of premises described as the Bunnerong Hotel. These have not been listed.
- 17.10.2012 (AH 305565) to Property Industry Foundation Pty Limited – expires 20.06.2017
  - 30.07.2013 (AH 899382) Sub Lease to The Salvation Army (New South Wales) Property Trust – expires 20.06.2017.

Easements: - NIL

As regards Lots 2 and 3 Section 2 D.P. 3954

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
07.09.1904 (1904 to 1947)	Louis Segal (Painter)	Vol 1557 Fol 92
13.09.1947 (1947 to 1949)	William James Toland (Railway Employee)	Vol 1557 Fol 92
08.02.1949 (1949 to 1982)	Tooth & Co Limited	Vol 1557 Fol 92

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 Lot 2 Section 2 D.P. 3954

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
02.07.1982 (1982 to 1994)	Anthony Stavrianos Andriana Stavrianos	Vol 1557 Fol 92 Now 2/2/3954
17.10.1994 (1994 to 2011)	J.Lam Pty Limited	2/2/3954
23.11.2011 (2011 to 2017)	D & J Lam Superfund Pty Limited	2/2/3954
13.09.2017 (2017 to 2019)	GGWL Investments Pty Ltd	2/2/3954
04.07.2019 (2019 to date)	# The Trust Company (Australia) Limited	2/2/3954

# Denotes Current Registered Proprietor

Leases, excluding building premises: -

- Various leases were found from 29.11.1989

Easements: -

- 24.08.1998 (D.P. 269227) Easement for Support 0.09 wide

Continued as regards Lot 3 Section 2 D.P. 3954

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
02.07.1982 (1982 to 1997)	Anthony Stavrianos Andriana Stavrianos	Vol 1557 Fol 92 Now 3/2/3954
16.04.1997 (1997 to 2017)	Patrice Alan Vattan Danielle Vattan	3/2/3954
13.09.2017 (2017 to 2019)	GGWL Investments Pty Ltd	3/2/3954
04.07.2019 (2019 to date)	# The Trust Company (Australia) Limited	3/2/3954

# Denotes Current Registered Proprietor

Leases, excluding building premises: -

- 19.03.1986 to Michael Burton and Leonard Arthur Doyle, of 94 Regent Street – expires 10.12.1988
- 19.06.1991 to Michael Burton and Leonard Arthur Doyle, of 94 Regent Street – expires 10.12.1991
- 18.06.1989 9E 538954) – expired not investigated

Easements: -

- 24.08.1998 (D.P. 269227) Easement for Support 0.14 wide

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

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

As regards Lot 1 D.P. 184335

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
10.03.1909 (1909 to 1931)	Clara Jane Robinson (Married Woman)	Vol 1605 Fol 98
08.04.1931 (1931 to 1944)	Charles Adolphus de Kantzow (Gentleman)	Vol 1605 Fol 98 Now Vol 4489 Fol 13
05.04.1944 (1944 to 1949)	Robert Carbery (Dealer)	Vol 4489 Fol 13
14.10.1949 (1949 to 1961)	Nicholas Lahood (Merchant)	Vol 4489 Fol 13
24.05.1961 (1961 to 1963)	James Lahood (Shop Assistant) George Lahood (Greengrocer) Joseph Dahdah (Manufacturer) (Section 94 Application not investigated)	Vol 4489 Fol 13
13.03.1963 (1963 to 1970)	Habib Lahood (Shop Keeper)	Vol 4489 Fol 13
16.08.1970 (1970 to 1993)	Irene (or Erine) Koutsounadis (Married Woman) Paraskevic Koutsounadis (Student) Now Vivi Paraskevi Germanos John Koutsounadis (Student) Steve Koutsounadis (Accountant)	Vol 4489 Fol 13 Now 4/2/3954
17.12.1993 (1993 to 2014)	Irene (or Erine) Koutsounadis (Married Woman) Paraskevic Koutsounadis (Student) Now Vivi Paraskevi Germanos John Koutsounadis (Student) Steve Koutsounadis (Accountant)	4/2/3954
20 & 25.11.2014 (2014 to 2017)	John Koutsounadis (Student)	4/2/3954 Now 1/184335
13.09.2017 (2017 to 2019)	GGWL Investments Pty Ltd	1/184335
04.07.2019 (2019 to date)	# The Trust Company (Australia) Limited	1/184335

# Denotes Current Registered Proprietor

Leases, excluding building premises: -

- 27.05.1998 (AA 472866) – expired or surrendered, not investigated

Easements: - NIL

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

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

As regards Strata Plan 57425

As regards the part tinted yellow and numbered (1) on the attached Cadastral Records Enquiry Report

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
08.04.1924 (1924 to 1946)	Millie Kleid (Married Woman)	Vol 3579 Fol 87
19.12.1946 (1946 to 1962)	Robert Carbery (Auctioneer)	Vol 3579 Fol 87 Now Vol 6862 Fol 136
05.06.1962 (1962 to 1972)	Robert Lionel Carbery (Auctioneer) Charlotte Carbery (Widow) Lotus Colquhoun (Married Woman) (Section 94 Application not investigated)	Vol 6862 Fol 136 Now Vol 8381 Fol's 166 to 168
26.01.1972 (1972 to 1995)	G. Jenssen Pty Limited	Vol 8381 Fol's 166 to 168 Now A/438276
03.10.1995 (1995 to 1998)	Nasa Constructions Pty Limited	A/438276 Now 6/878444
15.07.1998	Registration Date of Strata Plan 57425	6/878444

As regards the part tinted yellow and numbered (2) on the attached Cadastral Records Enquiry Report

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
08.04.1924 (1924 to 1946)	Millie Kleid (Married Woman)	Vol 3579 Fol 87
19.12.1946 (1946 to 1962)	Robert Carbery (Auctioneer)	Vol 3579 Fol 87 Now Vol 6862 Fol 137
05.06.1962 (1962 to 1972)	Robert Lionel Carbery (Auctioneer) Charlotte Carbery (Widow) Lotus Colquhoun (Married Woman) (Section 94 Application not investigated)	Vol 6862 Fol 137 Now Vol 8381 Fol's 172 to 174
26.01.1972 (1972 to 1995)	G. Jenssen Pty Limited	Vol 8381 Fol's 172 to 174 Now B/438276
03.10.1995 (1995 to 1998)	Nasa Constructions Pty Limited	B/438276 Now 6/878444
15.07.1998	Registration Date of Strata Plan 57425	6/878444

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

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

As regards the part tinted yellow and numbered (3) on the attached Cadastral Records Enquiry Report

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
08.04.1924 (1924 to 1946)	Millie Kleid (Married Woman)	Vol 3579 Fol 87
19.12.1946 (1946 to 1952)	Robert Carbery (Auctioneer)	Vol 3579 Fol 87
12.03.1952 (1952 to 1961)	Albert Charles Hilder (Manufacturer)	Vol 3579 Fol 87 Now Vol 6862 Fol 135
28.02.1961 (1961 to 1962)	Robert Lionel Carbery (Auctioneer) Charlotte Carbery (Widow) Lotus Colquhoun (Married Woman)	Vol 6862 Fol 135
05.06.1962 (1962 to 1972)	Robert Carbery (Auctioneer)	Vol 6862 Fol 135
26.01.1972 (1972 to 1995)	Robert Lionel Carbery (Auctioneer) Charlotte Carbery (Widow) Lotus Colquhoun (Married Woman) (Section 94 Application not investigated)	Vol 6862 Fol 135 Now Vol 8381 Fol's 163 to 165
03.10.1995 (1995 to 1998)	G. Jenssen Pty Limited	Vol 8381 Fol's 163 to 165 Now C/438276
15.07.1998	Nasa Constructions Pty Limited	C/438276 Now 6/878444
	Registration Date of Strata Plan 57425	6/878444

Continued as regards the Common Property Areas of Strata Plan 57425.

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
15.07.1998 (1988 to date)	# The Owners – Strata Plan No. 57425	CP/SP 57425

# Denotes Current Registered Proprietor

Leases, excluding building premises: -

- 27.05.1998 (AA 472866) – expired or surrendered, not investigated

Easements: -

- During the course of our search we came across the creation of Cross Easements for Party Wall – these party walls no longer exist. – See D.P. 438276. – Cancelled by way of common ownership 28th February 1961
- 13.07.1998 (D.P. 878444) Cross Easements for Party Walls

Yours Sincerely
Mark Groll
24 July 2019

NSW GOVERNMENT | SafeWork NSW

Locked Bag 2906, Lisarow NSW 2252
Customer Experience 13 10 50
ABN 81 913 830 179 | www.safework.nsw.gov.au

Our Ref: D19/171310

19 August 2019

Douglas Partners Pty Ltd
Ms Chamali Nagodavithane
96 Hermitage Road,
WEST RYDE, NSW, 2114

Dear Ms Nagodavithane,

RE SITE: 90-102 Regent Street, REDFERN, NSW, 2016

I refer to your site search request received by SafeWork NSW on 23 July 2019 requesting information on Storage of Hazardous Chemicals for the above site.

A search of the records held by SafeWork NSW has not located any records pertaining to the above-mentioned premises.

For further information or if you have any questions, please call us on 13 10 50 or email licensing@safework.nsw.gov.au

Yours sincerely

M Neill

Customer Service Officer
Customer Experience - Operations
SafeWork NSW

Appendix D

Douglas Partners
Geotechnics | Environment | Groundwater

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			Metals								TRH						TPH						BTEX				PAH			
			Arsenic	Cadmium	Total Chromium	Copper	Lead	Mercury (inorganic)	Nickel	Zinc	TRH C6 - C10	TRH >C10-C16	F1 ((C6-C10)-BTEX)	F2 (>C10-C16 less Naphthalene)	F3 (>C16-C34)	F4 (>C34-C40)	TPH C10-C14	TPHC15-C28	TPH C29-36	TPH > C10-C16	TPH >C16-C34	TPH > C34-C40	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene[b]	Benz(a)pyrene (BaP)	Benz(a)pyrene TEQ	Total PAHs
		PQL	4	0.4	1	1	1	0.1	1	1	25	50	25	50	100	100	50	100	100	50	100	100	0.2	0.5	1	1	1	0.05	0.5	0.05
Sample ID[a]	Strata	Sampled Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BH1A/0.15-0.25	Fill	17/09/2019	6	<0.4	17	7	32	0.1	5	28	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
BH1A/0.5-0.6	Natural	17/09/2019	5	<0.4	20	<1	14	0.2	<1	<1	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
BH2/0.15-0.25	Fill	19/09/2019	4	0.5	9	65	280	0.4	18	430	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	1.2	1.7	10
BH2/0.15-0.25 - [TRIPLICATE]	Fill	19/09/2019	<4	0.6	9	66	320	0.6	21	470	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH2/0.5-0.6	Fill	19/09/2019	<4	<0.4	5	28	440	0.3	3	240	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.2	<0.5	1.8
BH2/1-1.1	Natural	19/09/2019	<4	<0.4	6	25	90	0.2	4	130	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	0.06	<0.5	0.06
BH3/0.5-0.6	Fill	20/09/2019	5	0.5	10	88	1100	1	7	380	<25	400	<25	400	4300	730	260	4700	1900	450	5900	740	<0.2	<0.5	<1	<1	8	88	120	1200
BH3/1-1.1	Fill	20/09/2019	<4	<0.4	4	10	430	0.3	1	54	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.3	<0.5	2.9
BH3/1.5-1.6	Natural	20/09/2019	<4	<0.4	6	2	17	<0.1	2	6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	0.2	<0.5	2
BH4/0.1-0.2	Fill	23/09/2019	6	2	22	130	930	1	25	840	<25	<50	<25	<50	780	500	280	780	2000	120	2100	1400	<0.2	<0.5	<1	<1	<1	1.8	2.5	16
BH4/0.5-0.6	Fill	23/09/2019	<4	<0.4	3	13	780	0.3	1	480	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.08	<0.5	0.4
BH4/1.4-1.5	Natural	23/09/2019	<4	<0.4	11	<1	9	<0.1	4	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	0.1	<0.5	1.1
BH5/0.15-0.25	Fill	23/09/2019	<4	<0.4	11	16	84	0.2	6	84	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.4	0.6	3.8
BH5/1.0-1.1	Natural	23/09/2019	4	<0.4	18	11	88	0.2	5	84	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.05	<0.5	0.2
BH5/1.5-1.6	Natural	23/09/2019	7	<0.4	26	2	16	<0.1	2	10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	<0.05	<0.5	<0.05
BH6/1-1.1	Fill	18/09/2019	<4	<0.4	6	58	1600	0.4	4	240	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.4	0.6	4.5
BH6/1.4-1.5	Fill	17/09/2019	<4	<0.4	9	8	1800	<0.1	4	110	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.4	0.6	4.6
BH6/1.4-1.5 (Repeat 1)	Fill	17/09/2019	NT	NT	NT	NT	12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.4-1.5 (Repeat 2)	Fill	17/09/2019	NT	NT	NT	NT	140	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.9-2.0	Fill	17/09/2019	<4	<0.4	20	9	2500	<0.1	3	130	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.1	<0.5	1.8
BH6/1.9-2.0 (Repeat 1)	Fill	17/09/2019	NT	NT	NT	NT	2900	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.9-2.0 (Repeat 2)	Fill	17/09/2019	NT	NT	NT	NT	2600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH7/0.5-0.6	Fill	17/09/2019	11	<0.4	7	25	1200	0.9	2	340	<25	<50	<25	<50	100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.6	0.8	6
BD2 190917	Fill	17/09/2019	8	<0.4	8	23	1200	1	2	290	<25	<50	<25	<50	<100	<100	NT	NT	NT	NT	NT	NT	<0.2	<0.5	<1	<1	<1	0.68	0.9	6.8

Lab result
HIL/HSL value EIL/ESL value

HIL/HSL exceedance EIL/ESL exceedance HIL/HSL and EIL/ESL exceedance ML exceedance ML and HIL/HSL or EIL/ESL exceedance

Indicates that asbestos has been detected by the lab below the PQL, refer to the lab report Blue = DC exceedance

Bold = Lab detections NT = Not tested NL = Non limiting NC = No criteria NA = Not applicable NAD = No asbestos detected

Notes:

HIL/HSL/DC	NEPC, Schedule B1 - HIL B (Residential / Low - High Density), HSL A/B (Residential / Low - High Density), DC HSL B (Direct contact HSL B Residential (High density))
ML	NEPC, Schedule B1 - ML R/P/POS (Residential, Parkland and Public Open Space)
a	QA/QC replicate of sample listed directly below the primary sample
b	reported naphthalene laboratory result obtained from BTEXN suite

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[illegible]

			Phenol	OCP												OPP	PCB	Asbestos	
			Phenol	DDT+DDE+DDD[c]	DDD	DDE	DDT	Aldrin & Dieldrin	Total Chlordane	Total Endosulfan	Endrin	Heptachlor	HCB	Methoxychlor	Chlorpyriphos	Total PCB	Asbestos (50 g)	Asbestos ID
		PQL	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Sample ID	Strata	Sampled Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	-
BH1A/0.15-0.25	Fill	17/09/2019	<5 130 NA	<0.1 600 NA	<0.1 NC NA	<0.1 NC NA	<0.1 NC NA	<0.1 10 NA	<0.1 90 NA	<0.1 400 NA	<0.1 20 NA	<0.1 10 NA	<0.1 15 NA	<0.1 500 NA	<0.1 340 NA	<0.1 1 NA	NAD	NT
BH2/0.15-0.25	Fill	19/09/2019	<5 130 NA	<0.1 600 NA	<0.1 NC NA	<0.1 NC NA	<0.1 NC NA	<0.1 10 NA	<0.1 90 NA	<0.1 400 NA	<0.1 20 NA	<0.1 10 NA	<0.1 15 NA	<0.1 500 NA	<0.1 340 NA	<0.1 1 NA	NAD	NT
BH2/0.5-0.6	Fill	19/09/2019	NT 130 NA	NT 600 NA	NT NC NA	NT NC NA	NT NC NA	NT 10 NA	NT 90 NA	NT 400 NA	NT 20 NA	NT 10 NA	NT 15 NA	NT 500 NA	NT 340 NA	NT 1 NA	NAD	NT
BH3/0.5-0.6	Fill	20/09/2019	<5 130 NA	<1 600 NA	<1 NC NA	<1 NC NA	<1 NC NA	<1 10 NA	<1 90 NA	<1 400 NA	<1 20 NA	<1 10 NA	<1 15 NA	<1 500 NA	<1 340 NA	<1 1 NA	NAD	NT
BH3/1-1.1	Fill	20/09/2019	NT 130 NA	NT 600 NA	NT NC NA	NT NC NA	NT NC NA	NT 10 NA	NT 90 NA	NT 400 NA	NT 20 NA	NT 10 NA	NT 15 NA	NT 500 NA	NT 340 NA	NT 1 NA	NAD	NT
BH4/0.1-0.2	Fill	23/09/2019	<5 130 NA	<0.1 600 NA	<0.1 NC NA	<0.1 NC NA	<0.1 NC NA	<0.1 10 NA	<0.1 90 NA	<0.1 400 NA	<0.1 20 NA	<0.1 10 NA	<0.1 15 NA	<0.1 500 NA	<0.1 340 NA	<0.5 1 NA	NAD	NT
BH4/0.5-0.6	Fill	23/09/2019	NT 130 NA	NT 600 NA	NT NC NA	NT NC NA	NT NC NA	NT 10 NA	NT 90 NA	NT 400 NA	NT 20 NA	NT 10 NA	NT 15 NA	NT 500 NA	NT 340 NA	NT 1 NA	NAD	NT
BH5/0.15-0.25	Fill	23/09/2019	<5 130 NA	<0.1 600 NA	<0.1 NC NA	<0.1 NC NA	<0.1 NC NA	<0.1 10 NA	<0.1 90 NA	<0.1 400 NA	<0.1 20 NA	<0.1 10 NA	<0.1 15 NA	<0.1 500 NA	<0.1 340 NA	<0.1 1 NA	NAD	NT
BH6/1-1.1	Fill	18/09/2019	<5 130 NA	<0.1 600 NA	<0.1 NC NA	<0.1 NC NA	<0.1 NC NA	<0.1 10 NA	<0.1 90 NA	<0.1 400 NA	<0.1 20 NA	<0.1 10 NA	<0.1 15 NA	<0.1 500 NA	<0.1 340 NA	<0.1 1 NA	NAD	NT
BH7/0.5-0.6	Fill	17/09/2019	<5 130 NA	<0.1 600 NA	<0.1 NC NA	<0.1 NC NA	<0.1 NC NA	2.3 10 NA	<0.1 90 NA	<0.1 400 NA	<0.1 20 NA	<0.1 10 NA	<0.1 15 NA	<0.1 500 NA	0.2 340 NA	<0.1 1 NA	NAD	NT
PACM 1 (surface)	Material	27/09/2019	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Detected

Lab result
HIL/HSL value EIL/ESL value

HIL/HSL exceedance | EIL/ESL exceedance | HIL/HSL and EIL/ESL exceedance | ML exceedance | ML and HIL/HSL or EIL/ESL exceedance

Indicates that asbestos has been detected by the lab below the PQL, refer to the lab report Blue = DC exceedance

Bold = Lab detections NT = Not tested NL = Non limiting NC = No criteria NA = Not applicable NAD = No asbestos detected

Notes:

HIL/HSL/DC	NEPC, Schedule B1 - HIL B (Residential / Low - High Density), HSL A/B (Residential / Low - High Density), DC HSL B (Direct contact HSL B Residential (High density))
ML	NEPC, Schedule B1 - ML R/P/POS (Residential, Parkland and Public Open Space)
c	criteria applies to DDT only

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Table D3 - TCLP and ASLP Data

		PAH TCLP																PAH ASLP															Metals TCLP	Metals ASLP							
		Naphthalene in TCLP	Acenaphthylene in TCLP	Acenaphthene in TCLP	Fluorene in TCLP	Phenanthrene in TCLP	Anthracene in TCLP	Fluoranthene in TCLP	Pyrene in TCLP	Benzo(a)anthracene in TCLP	Chrysene in TCLP	Benzo(b)&(j)fluoranthene in TCLP	Benzo(k)fluoranthene in TCLP	Benzo(a)pyrene in TCLP	Indeno(1,2,3-c,d)pyrene - TCLP	Dibenzo(a,h)anthracene in TCLP	Benzo(g,h,i)perylene in TCLP	Total +vePAH's	Naphthalene in ASLP	Acenaphthylene in ASLP	Acenaphthene in ASLP	Fluorene in ASLP	Phenanthrene in ASLP	Anthracene in ASLP	Fluoranthene in ASLP	Pyrene in ASLP	Benzo(a)anthracene in ASLP	Chrysene in ASLP	Benzo(b)&(j)fluoranthene in ASLP	Benzo(k)fluoranthene in ASLP	Benzo(a)pyrene in ASLP	Indeno(1,2,3-c,d)pyrene in ASLP	Dibenzo(a,h)anthracene in ASLP	Benzo(g,h,i)perylene in ASLP	Lead in TCLP	Arsenic in ASLP	Cadmium in ASLP	Chromium in ASLP	Copper in ASLP	Lead in ASLP	Mercury in ASLP	Nickel in ASLP	Zinc in ASLP
Unit		□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□ □□□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□
PQL		0□001	0□001	0□001	0□001	0□001	0□001	0□001	0□001	0□001	0□001	0□00□	0□001	0□001	0□001	0□001	0□001	□	0□001	0□001	0□001	0□001	0□001	0□001	0□001	0□001	0□001	0□001	0□00□	0□001	0□001	0□001	0□001	0□0□	0□001	0□0001	0□001	0□001	0□001	0□0000□	0□001	0□001
Location	**Date**																																								
□□□0□1□□0□□	19□09□□019	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□00□	□0□001	□0□001	□0□001	□0□001	□0□001	□□□□□□□□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	0□□□	□	□	□	□	□	□	□	□
□□□0□□0□□	□0□09□□019	0□00□	0□00□	□0□001	□0□001	0□00□	□0□001	□0□001	□0□001	□0□001	□0□001	□0□00□	□0□001	□0□001	□0□001	□0□001	□0□001	0□00□9	0□00□	0□00□	□0□001	0□001	0□00□	0□001	0□00□	0□00□	0□00□	0□00□	0□00□	0□001	□0□001	0□00□	0□□9	□	0□□	□□	79	□70	0□□	9	□90
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□□□0□1□0□□	□□09□□019	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□00□	□0□001	□0□001	□0□001	□0□001	□0□001	□□□□□□□□	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□001	□0□00□	□0□001	□0□001	□0□001	□0□001	0□□□	□	0□□	□	1□	1□0	0□09	□	1□0
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□□7□0□□0□□	17□09□□019	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□7	□□	□0□1	□	1□	□□	□0□0□	□1	□□

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Table D4 - Groundwater Results (All results in µg/L unless otherwise stated)

Monitoring Well ID	Date Sampled	Metals								TRH		TRH (TPH)						BTEX					PAH			Phenols	OCP							OPP	PCB		VOC		
		Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	C6-C10 less BTEX (F1)	>C10-C16 less NAPHTHALENE (F2)	TPH C10 - C14	TPH C15 - C28	TPH C29 - C36	TPH >C10 - C16	TPH >C16 - C34	TPH >C34 - C40	Benzene	Toluene	Ethylbenzene	Xylene (m&p)	Xylene (o)	Benzo(a) pyrene	Naphthalene	Total PAH	Phenol (mg/L)	Aldrin + Dieldrin	Chlordance	Endosulfan	Endrin	Heptachlor	DDT	Chlorpyrifos	Arochlor 1242	Arochlor 1254	Total Positive VOC	Trichloroethene	Chloroform
PQL		1	0□1	1	1	1	0□0□	1	1	10	□0	50	100	100	50	100	100	1	1	1	□	1	0□1	0□□	1	0□0□	0□□	0□□	0□□	0□□	0□□	0□□	0□□	0□01	0□01	□□□	1	1
Site Assessment Criteria (SAC)																																						
HSL A& B[1] , 4 m to <8 m, silt		□	□	□	□	□	□	□	□	□000	□□	□	□	□	□	□	□	□000	□□	□□	□□	□□	□	□□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
GIL for slightly to moderately disturbed freshwater (95% species protection)[2]		□□□□□□□□□	0□□	1□0□ □□r□□□	1□□	7□□		1□□7	1□□□□	□	□	□	□	□	□	□	□	9□0	1□0	□0	□00□□□□□□□□	□□0	□	1□	□	0□□□	0□01□	□	□	□	□	□	0□01	□	□	□	□□0□	□70□
GIL for slightly to moderately disturbed freshwater (99% species protection)[2]		□	□	□	□	□	0□0□[D]	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	0□1[D]	□	□	□	□	0□0□[D]	0□0□[D]	0□01[D]	0□01[D]	0□00□[D]	□	0□□[D]	0□01[D]	□	□	□
Round 1																																						
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□□□M□ □	□7□09□□019	□	□0□1	□	□	□1	□0□0□	11	□0	□10	□□0	□□0	□□0	□100	□100	□□0	□100	□100	□1	□1	□□	□1	□0□1	□0□□	□ □□□□□	□0□0□	□0□001	□0□001	□0□00□	□0□001	□0□001	□0□001	□0□009	□0□01	□0□01	□□□□	□□□□	□□□□
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Round 2																																						
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Notes

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			Metals							TRH		TPH	BTEX						PAH				Phenol	OCP		OPP	PCB	Asbestos (50 g)	
			Arsenic	Cadmium	Total Chromium[b]	Lead	TCLP Lead	Mercury (inorganic)	Nickel	TRH C6 - C9	C10-C36 recoverable hydrocarbons	C10-C36 petroleum hydrocarbons	Benzene	Toluene	Ethylbenzene	m+p-Xylene	o-Xylene	Xylenes (total)	Benzo(a)pyrene (BaP)	TCLP Benzo(a)pyrene (BaP)	Total PAHs	TCLP Total PAHs	Phenol	Total Endosulfan	Total Analysed OCP[c]	Total Analysed OPP[d]	Total PCB	Asbestos (50 g)	Asbestos ID
		PQL	4	0.4	1	1	0.03	0.1	1	25	50	50	0.2	0.5	1	2	1	3	0.05	0.001	0.05		5	0.1	0.1	0.1	0.1		
Sample ID[a]	Strata	Sampled Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	-
BH1A/0.15-0.25	Fill	17/09/2019	6	<0.4	17	32	NT	0.1	5	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	<0.05	NT	<0.05	NT	<5	<0.1	<0.1	<0.1	<0.1	NAD	NT
BH1A/0.5-0.6	Natural	17/09/2019	5	<0.4	20	14	NT	0.2	<1	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	<0.05	NT	<0.05	NT	NT	NT	NT	NT	NT	NT	NT
BH2/0.15-0.25	Fill	19/09/2019	4	0.5	9	280	0.36	0.4	18	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	1.2	<0.001	10	NT	<5	<0.1	<0.1	<0.1	<0.1	NAD	NT
BH2/0.15-0.25 - [TRIPLICATE]	Fill	19/09/2019	<4	0.6	9	320	NT	0.6	21	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH2/0.5-0.6	Fill	19/09/2019	<4	<0.4	5	440	NT	0.3	3	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.2	NT	1.8	NT	NT	NT	NT	NT	NT	NAD	NT
BH2/1-1.1	Natural	19/09/2019	<4	<0.4	6	90	NT	0.2	4	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.06	NT	0.06	NT	NT	NT	NT	NT	NT	NT	NT
BH3/0.5-0.6	Fill	20/09/2019	5	0.5	10	1100	0.39	1	7	<25	5060	6860	<0.2	<0.5	<1	<2	<1	<3	88	<0.001	1200	0.0059	<5	<1	<1	<1	<1	NAD	NT
BH3/1-1.1	Fill	20/09/2019	<4	<0.4	4	430	20	0.3	1	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.3	NT	2.9	NT	NT	NT	NT	NT	NT	NAD	NT
BH3/1.5-1.6	Natural	20/09/2019	<4	<0.4	6	17	NT	<0.1	2	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.2	NT	2	NT	NT	NT	NT	NT	NT	NT	NT
BH4/0.1-0.2	Fill	23/09/2019	6	2	22	930	0.46	1	25	<25	1000	3060	<0.2	<0.5	<1	<2	<1	<3	1.8	<0.001	16	NT	<5	<0.1	<0.1	<0.1	<0.5	NAD	NT
BH4/0.5-0.6	Fill	23/09/2019	<4	<0.4	3	780	NT	0.3	1	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.08	NT	0.4	NT	NT	NT	NT	NT	NT	NAD	NT
BH4/1.4-1.5	Natural	23/09/2019	<4	<0.4	11	9	NT	<0.1	4	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	NT	1.1	NT	NT	NT	NT	NT	NT	NT	NT
BH5/0.15-0.25	Fill	23/09/2019	<4	<0.4	11	84	NT	0.2	6	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.4	NT	3.8	NT	<5	<0.1	<0.1	<0.1	<0.1	NAD	NT
BH5/1.0-1.1	Natural	23/09/2019	4	<0.4	18	88	NT	0.2	5	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.05	NT	0.2	NT	NT	NT	NT	NT	NT	NT	NT
BH5/1.5-1.6	Natural	23/09/2019	7	<0.4	26	16	NT	<0.1	2	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.05	NT	<0.05	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1-1.1	Fill	18/09/2019	<4	<0.4	6	1600	11	0.4	4	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.4	NT	4.5	NT	<5	<0.1	<0.1	<0.1	<0.1	NAD	NT
BH6/1.4-1.5	Fill	17/09/2019	<4	<0.4	9	1800	34	<0.1	4	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.4	NT	4.6	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.4-1.5 (repeat 1)	Fill	17/09/2019	NT	NT	NT	12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.4-1.5 (repeat 2)	Fill	17/09/2019	NT	NT	NT	140	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.9-2.0	Fill	17/09/2019	<4	<0.4	20	2500	62	<0.1	3	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.1	NT	1.8	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.9-2.0 (repeat 1)	Fill	17/09/2019	NT	NT	NT	2900	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.9-2.0 (repeat 2)	Fill	17/09/2019	NT	NT	NT	2600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH6/1.9-2.0 - [TRIPLICATE]	Fill	17/09/2019	NT	NT	NT	NT	50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BH7/0.5-0.6	Fill	17/09/2019	11	<0.4	7	1200	2.7	0.9	2	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.6	NT	6	NT	<5	<0.1	2.3	0.2	<0.1	NAD	NT
BD2 190917	Fill	17/09/2019	8	<0.4	8	1200	NT	1	2	<25	<50	NT	<0.2	<0.5	<1	<2	<1	<3	0.68	NT	6.8	NT	NT	NT	NT	NT	NT	NT	NT
PACM 1 (surface)	Material	27/09/2019	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Detected
Waste Classification Criteria																													
CT1 (mg/kg)			100	20	100	100	N/A	4	40	650	10000	10000	10	288	600	N/A	N/A	1000	0.8	N/A	200	N/A	288	60	<50	4	<50	N/A	N/A
SCC1 (mg/kg)			500	100	1900	1500	N/A	50	1050	650	10000	10000	18	518	1080	N/A	N/A	1800	10	N/A	200	N/A	518	108	<50	7.5	<50	N/A	N/A
TCLP1 (mg/L)			N/A	N/A	N/A	N/A	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.04	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CT2 (mg/kg)			400	80	400	400	N/A	16	160	2600	40000	40000	40	1152	2400	N/A	N/A	4000	3.2	N/A	800	N/A	1152	240	<50	16	<50	N/A	N/A
SCC2(mg/kg)			2000	400	7600	6000	N/A	200	4200	2600	40000	40000	72	2073	4320	N/A	N/A	7200	23	N/A	800	N/A	2073	432	<50	30	<50	N/A	N/A
TCLP2 (mg/L)			N/A	N/A	N/A	N/A	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CT1 exceedance TCLP1 and/or SCC1 exceedance CT2 exceedance TCLP2 and/or SCC2 exceedance Asbestos detection

NT = Not tested NC = No criteria AD = Asbestos detected NAD = No asbestos detected

Notes:

a	QA/QC replicate of sample listed directly below the primary sample
b	Total chromium used as initial screen for chromium(VI).
c	Criteria for scheduled chemicals used as an initial screen
d	Criteria for Chlorpyrifos used as initial screen
PQL	Practical quantitation limit
CT1	NSW EPA, 2014, Waste Classification Guidelines Part 1; Classifying Waste, Maximum values of specific contaminant concentration (SCC) for classification without TCLP: General solid waste
SCC1	NSW EPA, 2014, Waste Classification Guidelines Part 1; Classifying Waste, Maximum values for leachable concentration (TCLP) and specific contaminant concentration (SCC) when used together: General solid waste
TCLP1	NSW EPA, 2014, Waste Classification Guidelines Part 1; Classifying Waste, Maximum values for leachable concentration (TCLP) and specific contaminant concentration (SCC) when used together: General solid waste
CT2	NSW EPA, 2014, Waste Classification Guidelines Part 1; Classifying Waste, Maximum values of specific contaminant concentration (SCC) for classification without TCLP: Restricted solid waste
SCC2	NSW EPA, 2014, Waste Classification Guidelines Part 1; Classifying Waste, Maximum values for leachable concentration (TCLP) and specific contaminant concentration (SCC) when used together: Restricted solid waste
TCLP2	NSW EPA, 2014, Waste Classification Guidelines Part 1; Classifying Waste, Maximum values for leachable concentration (TCLP) and specific contaminant concentration (SCC) when used together: Restricted solid waste

Appendix E

BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 22.9 AHD
EASTING: 333532
NORTHING: 6248203.2
DIP/AZIMUTH: 90°/--

BORE No: BH1
PROJECT No: 86852.00
DATE: 17 - 20/9/2019
SHEET 1 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering	Graphic Log	Rock Strength	Water	Fracture Spacing (m)	Discontinuities	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
			EW HW MW SW FS FR		Ex Low / Very Low / Low / Medium / High / Very High / Ex High		0.01 / 0.05 / 0.10 / 0.50 / 1.00	B - Bedding J - Joint S - Shear F - Fault				
	0.15	CONCRETE										
	0.3	FILL/Silty CLAY: low plasticity, brown - grey, trace rounded concrete gravel, moist							A/E			
22	1	Silty CLAY CL: low plasticity, brown - red, trace fine sand, w>PL, appears stiff, residual 1.0m brown mottled grey							A/E*			
									A/E			
									A/E			
21	2								A/E			
	2.0	Silty CLAY CL: low plasticity, pale grey - brown, w>PL, appears very stiff, residual										
20	3											
									A			
19	4											
	4.5	Silty CLAY CL: low plasticity, grey - brown, trace angular highly weathered shale gravel, w>PL, appears hard, residual (extremely weathered rock)						Note: Unless otherwise stated, discontinuities are bedding, planar, rough, iron coated to 1mm thick, dipping 0-2°				
18	5								A			
	5.35	LAMINITE: dark grey - pale grey and brown grey, 60% siltstone and 40% sandstone laminations, low to medium strength, slightly weathered, fractured, Ashfield Shale						5.48m: Ds, 8mm 5.59m: Ds, 5mm 5.67m: Ds, 5mm 5.72m: Ds, 10mm 5.87m: Cs, 1mm 6.18m: Cs, 1mm 6.38m: Ds, 20mm 6.4m: J20°, pl, sm 6.43m: Ds, 20mm 6.56m: Ds, 40mm 6.67m: J60°, pl, ro	C	100	57	PL(A) = 0.4
17	6								C	80	27	PL(A) = 0.4
16	7											
	7.1	LAMINITE: dark grey - pale grey, 60% siltstone and 40% sandstone laminations, low to medium strength, fresh, slightly fractured, Ashfield Shale						6.81m: CORE LOSS: 290mm 7.41m: J45°, pl, ro, fe, co 7.54m: J45°, pl, ro, fe, co 7.61m: J40°, pl, ro, fe, co 7.68m: Ds, 4mm 8.08-8.47m: B(x4) 8.36m: J30°, pl, ro, fe, co 8.41m: Ds,10mm 8.64m: B, sm, cly, vn 8.8m: B, sm, cly, vn	C	100	60	PL(A) = 0.2
15	8											
	8.6	LAMINITE: dark grey - pale grey, 60% siltstone and 40% sandstone laminations, medium and high strength, fresh, slightly fractured, Ashfield Shale						9.36m: J25°, pl, ro 9.8-9.96m: J50-90°, ir,	C	100	100	PL(A) = 1.4
14	9											
13	10.0											

RIG: Rig 1 (CE150) **DRILLER:** BG Drilling **LOGGED:** NB **CASING:** HQ to 5m

TYPE OF BORING: Diacore to 0.15m; solid flight auger (TC-bit) to 5.35m; NMLC-coring to 12.9m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Groundwater monitoring well installed to 10.9m (screen 3-10.9m; gravel 2-12.9m; bentonite seal 0.2-2m; gatic cover); *BD1/190917 is replicate of 0.5-0.6m sample

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 22.9 AHD
EASTING: 333532
NORTHING: 6248203.2
DIP/AZIMUTH: 90°/--

BORE No: BH1
PROJECT No: 86852.00
DATE: 17 - 20/9/2019
SHEET 2 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low / Very Low / Low / Medium / High / Very High / Ex High)	Water	Fracture Spacing (m) (0.01 / 0.05 / 0.10 / 0.50 / 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
12	11	SILTSTONE: dark grey - pale grey, 90% siltstone and 10% sandstone laminations, medium and high strength, fresh, slightly fractured to unbroken, Ashfield Shale						cly, vn 10.15m: B5-10°, cu, sm, cly, vn 10.58m: B, sm, cly, vn				PL(A) = 0.4
									C	100	100	
									C	100	100	PL(A) = 1.7
11	12								C	100	95	PL(A) = 2.4
									C	100	100	
10	12.9											PL(A) = 2
	13	Bore discontinued at 12.9m										
9	14											
8	15											
7	16											
6	17											
5	18											
4	19											
3												

RIG: Rig 1 (CE150) **DRILLER:** BG Drilling **LOGGED:** NB **CASING:** HQ to 5m

TYPE OF BORING: Diacore to 0.15m; solid flight auger (TC-bit) to 5.35m; NMLC-coring to 12.9m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Groundwater monitoring well installed to 10.9m (screen 3-10.9m; gravel 2-12.9m; bentonite seal 0.2-2m; gatic cover); *BD1/190917 is replicate of 0.5-0.6m sample

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

Douglas Partners
Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 24.5 AHD
EASTING: 333508.7
NORTHING: 6248204
DIP/AZIMUTH: 90°/--

BORE No: BH2
PROJECT No: 86852.00
DATE: 19/9/2018 - 20/9/2019
SHEET 1 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low / Very Low / Low / Medium / High / Very High / Ex High)	Water	Fracture Spacing (m) (0.01 / 0.05 / 0.10 / 0.50 / 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
24	0.15	CONCRETE										
		FILL/Gravelly SAND: fine to medium sand and fine gravel, dark grey, trace brick fragments, moist, appears moderately to well compacted							A/E			
	0.8								A/E			
23	1	Sandy CLAY CL: low plasticity, orange brown, fine sand, w>PL, appears firm, possibly alluvial							A/E			
									A/E			
	2								A/E			
22	2.1	Silty CLAY CL: low plasticity, brown-orange, trace fine sand, w>PL, stiff, residual							A/E			
	3											
21												
	4											
	4.0	Silty CLAY CL: low plasticity, pale grey-red, trace angular highly weathered shale gravel, w>PL, appears hard, residual (extremely weathered rock)							A			
20												
	5								A			
19												
	6											
18												
	7											
17	7.5	LAMINITE: brown - grey, very low to low strength, Ashfield Shale						Note: Unless otherwise stated, discontinuities are bedding, planar, rough, iron coated to 1mm thick, dipping 0-2°				
	8											
16												
	9											
15	9.62	LAMINITE: see over						9.77m: Ds, 20mm	C	100	0	PL(A) = 0.6

RIG: Rig 5 (Trailer Mounted) **DRILLER:** BG Drilling **LOGGED:** NB **CASING:** HQ to 8m

TYPE OF BORING: Diacore to 0.15m; solid flight auger (TC-bit) to 9.62m; NMLC-coring to 13.69m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Groundwater monitoring well installed to 12.3m (screen 5-12.3m; gravel 4-13.69m; bentonite seal 0.15-4m; gatic cover)

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 24.5 AHD
EASTING: 333508.7
NORTHING: 6248204
DIP/AZIMUTH: 90°/--

BORE No: BH2
PROJECT No: 86852.00
DATE: 19/9/2018 - 20/9/2019
SHEET 2 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering	Graphic Log	Rock Strength	Water	Fracture Spacing (m)	Discontinuities (B - Bedding, J - Joint, S - Shear, F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
14	10.43	LAMINITE: dark grey - pale grey, 60% siltstone and 40% sandstone laminations, medium and high strength, slightly weathered, slightly fractured, Ashfield Shale							C	100	0	PL(A) = 0.8
13	11	LAMINITE: dark grey - pale grey, 60% siltstone and 40% sandstone laminations, medium and high strength, fresh, slightly fractured to unbroken, Ashfield Shale							C	93	93	PL(A) = 2
12	12.2	LAMINITE: dark grey - pale grey, 80% siltstone and 20% sandstone laminations, high strength, fresh, slightly fractured to unbroken, Ashfield Shale						12.09m: CORE LOSS: 110mm	C	100	95	PL(A) = 1.7
11	13											PL(A) = 1.3
10	13.69	Bore discontinued at 13.69m						13.61m: J45°, pl, sm				
9	14											
8	15											
7	16											
6	17											
5	18											
	19											

Degree of Weathering: EW, HW, MW, SW, FS, FR
Rock Strength: Ex Low, Very Low, Low, Medium, High, Very High, Ex High
Fracture Spacing (m): 0.01, 0.05, 0.10, 0.50, 1.00

RIG: Rig 5 (Trailer Mounted) **DRILLER:** BG Drilling **LOGGED:** NB **CASING:** HQ to 8m

TYPE OF BORING: Diacore to 0.15m; solid flight auger (TC-bit) to 9.62m; NMLC-coring to 13.69m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Groundwater monitoring well installed to 12.3m (screen 5-12.3m; gravel 4-13.69m; bentonite seal 0.15-4m; gatic cover)

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 26.0 AHD
EASTING: 333522.1
NORTHING: 6248231.8
DIP/AZIMUTH: 90°/--

BORE No: BH3
PROJECT No: 86852.00
DATE: 20/9/2018
SHEET 1 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering	Graphic Log	Rock Strength	Water	Fracture Spacing (m)	Discontinuities	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
			EW HW MW SW FS FR		Ex Low / Very Low / Low / Medium / High / Very High / Ex High		0.01 / 0.05 / 0.10 / 0.50 / 1.00	B - Bedding J - Joint S - Shear F - Fault				
26	0.05	ASPHALTIC CONCRETE							A/E			
		FILL/Silty SAND: fine to medium, dark grey with ash/charcoal, moist, appears poorly and variably compacted							A/E			
25	1	1.0m: trace ash							A/E			
	1.2	Sandy CLAY CL: low plasticity, orange brown, fine sand, w>PL, appears soft, possibly alluvial							S			0,0,1 N = 1
									A/E*			
24	2	2.0 Silty CLAY CL: low plasticity, brown - red, trace fine sand, w>PL, stiff, residual							S			4,6,8 N = 14
23	3											
	3.5	Silty CLAY CL: low plasticity, pale grey - red, trace ironstone gravel, w>PL, very stiff, residual							S			7,12,14 N = 26
22	4											
21	5								S			7,12,14 N = 26
20	6	6m: pale grey, hard										
19	7								S			9,17, 20/80mm refusal
	7.4	Silty CLAY CL: low plasticity, brown - dark red, with ironstone gravel, w>PL, hard, residual (extremely weathered rock)										
18	8											
								Note: Unless otherwise stated, discontinuities are bedding, planar, rough, iron coated to 1mm thick, dipping 0-2°	S			8,15,18 N = 33
17	9											
	9.1	Silty CLAY CL: low plasticity, brown - dark red, with ironstone gravel, w > PL, hard, residual (extremely weathered rock)							C	100	0	
	9.67	LAMINITE: see over										

RIG: Rig 12 (Hanjin) **DRILLER:** BG Drilling **LOGGED:** NB **CASING:** HQ to 8m

TYPE OF BORING: Solid flight auger (TC-bit) to 9.1m; NMLC-coring to 20.0m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Groundwater monitoring well installed to 13m (screen 7-13m; gravel 6-20m; bentonite seal 0.2-6m; gatic cover); *BD4/200919 is replicate of 1.5-1.6m sample

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 26.0 AHD
EASTING: 333522.1
NORTHING: 6248231.8
DIP/AZIMUTH: 90°/--

BORE No: BH3
PROJECT No: 86852.00
DATE: 20/9/2018
SHEET 2 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering	Graphic Log	Rock Strength	Water	Fracture Spacing (m)	Discontinuities (B - Bedding, J - Joint, S - Shear, F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
16			EW HW MW SW FS FR		Ex Low Very Low Low Medium High Very High Ex High		0.01 0.05 0.10 0.50 1.00					
		LAMINITE: brown - grey, 80% siltstone and 20% sandstone with hard clay bands, very low strength, highly weathered, fractured, Ashfield Shale						9.91m: J80°, pl, ro, fe, co	C	100	0	
	10.55	10.33m: thrust fault						10.05m: Ds, 30mm 10.15m: Ds, 40mm 10.23m: Ds, 60mm 10.33-10.50m fault zone, folded				PL(A) = 0.4
15	11	LAMINITE: dark grey - pale grey, 60% siltstone and 40% sandstone laminations, medium strength, slightly weathered to fresh, fractured, Ashfield Shale						10.89m: Cs, 5mm 11.21m: Ds, 5mm 11.41m: Cs, 2mm	C	100	77	PL(A) = 0.5
14	12 12.0	LAMINITE: dark grey - pale grey, 80% siltstone and 20% sandstone laminations, high strength, fresh, slightly fractured, Ashfield Shale						11.9m: J80° closed				PL(A) = 2.3
13	13							13.31m: J45°, pl, sm 13.57m: J45°, pl, sm				PL(A) = 2.9
12	14							14.06m: J20°, pl, sm 14.2m: J60°, pl, ro				PL(A) = 2.5
11	15							15.11m: J40°, pl, sm	C	100	100	PL(A) = 2.8
10	16							15.60-16.40m: J80°, pl, sm				PL(A) = 2.7
	16.3	SILTSTONE: dark grey, 95% siltstone and 5% sandstone thin laminations, high strength, fresh, slightly fractured to unbroken, Ashfiled Shale						16.5-16.90m: J75°, pl, ro				PL(A) = 2.1
9	17							17.35m: J40°, pl, sm 17.37m: J50°, pl, sm	C	100	100	
8	18											PL(A) = 1
7	19								C	100	100	
	20.0	Bore discontinued at 20.0m										PL(A) = 1.2

RIG: Rig 12 (Hanjin) **DRILLER:** BG Drilling **LOGGED:** NB **CASING:** HQ to 8m

TYPE OF BORING: Solid flight auger (TC-bit) to 9.1m; NMLC-coring to 20.0m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Groundwater monitoring well installed to 13m (screen 7-13m; gravel 6-20m; bentonite seal 0.2-6m; gatic cover); *BD4/200919 is replicate of 1.5-1.6m sample

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 25.0 AHD
EASTING: 333516.9
NORTHING: 6248216.5
DIP/AZIMUTH: 90°/--

BORE No: BH4
PROJECT No: 86852.00
DATE: 23/9/2016
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low / Very Low / Low / Medium / High / Very High / Ex High)	Water	Fracture Spacing (m) (0.01 / 0.05 / 0.10 / 0.50 / 1.00)	Discontinuities (B - Bedding, J - Joint, S - Shear, F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
25	0.1	BRICK PAVERS							A/E			
		FILL/Gravelly SAND: fine tomedium sand and fine gravel, dark grey, trace glass fragments, moist, appears moderately to well compacted							A/E			
24	0.6 / 1	FILL/SAND: fine, pale grey, moist, appears moderately compacted							A/E			
	1.4	Sandy CLAY CL: low plasticity, orange brown, fine sand, w>PL, appears firm, possibly alluvial							A/E			
23	2 / 2.0	Silty CLAY CL: low plasticity, brown - red, trace fine sand, w>PL, appears stiff, residual										
22	3								A			
21	4 / 4.0	Silty CLAY cl: low plasticity, pale grey - red, trace ironstone gravel, w>PL, appears stiff to very stiff, residual							A			
20	5								A			
19	6											
18	7 / 7.3	Bore discontinued at 7.3m - limit of investigation							A			
17	8											
16	9											

RIG: Rig 5 (Trailer Mounted) **DRILLER:** BG Drilling **LOGGED:** NB **CASING:** Uncased

TYPE OF BORING: Hand auger to 1.5m; Solid flight auger (TC-bit) to 7.3m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 23.5 AHD
EASTING: 333522.2
NORTHING: 6248198.8
DIP/AZIMUTH: 90°/--

BORE No: BH5
PROJECT No: 86852.00
DATE: 23/9/2016
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01, 0.05, 0.10, 0.50, 1.00)	Discontinuities (B - Bedding, J - Joint, S - Shear, F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
23	0.15	CONCRETE SLAB										
	0.3	FILL/Silty GRAVEL: fine, dark grey, with medium sand, moist, apparently well compacted							A/E			
		Silty CLAY CL: low plasticity, brown - orange, trace fine sand, w>PL, appears stiff, residual							A/E			
22	1								A/E			
									A/E			
21	2								A/E			
	3.0	Silty CLAY CL: low plasticity, pale grey - red, trace ironstone gravel, w>PL, appears very stiff, residual										
20	3											
	4								A			
19	5											
18	6											
	6.2	Bore discontinued at 6.2m - limit of investigation							A			
17	7											
16	8											
15	9											
14												

RIG: Rig 5 (Trailer Mounted) **DRILLER:** BG Drilling **LOGGED:** NB **CASING:** Uncased
TYPE OF BORING: Diacore to 0.15m; Solid flight auger (TC-bit) to 6.2m
WATER OBSERVATIONS: No free groundwater observed whilst augering
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 26.0 AHD
EASTING: 333530.3
NORTHING: 6248221.2
DIP/AZIMUTH: 90°/--

BORE No: BH6
PROJECT No: 86852.00
DATE: 17 - 19/9/2019
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01, 0.05, 0.10, 0.50, 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
26	0.12	CONCRETE SLAB							E			
		FILL/Clayey SAND: fine to medium, grey and dark brown, low plasticity fines, trace sandstone gravel, moist										
	0.72	FILL/Sandy CLAY: low plasticity, brown, fine sand, trace tile and PVC fragments, w>PL							E			
25	1											
	1.3	FILL/Sandy CLAY: low plasticity, orange-brown, fine sand, trace sandstone gravel, w>PL, appears moderately compacted, possibly alluvial							E			
24	2	2.0 Bore discontinued at 2.0m - limit of investigation										
23	3											
22	4											
21	5											
20	6											
19	7											
18	8											
17	9											

RIG: Hand tools **DRILLER:** CLN **LOGGED:** CLN **CASING:** Uncased

TYPE OF BORING: Hand auger

WATER OBSERVATIONS: See Remarks below

REMARKS: Borehole completed over 2 days due to wet weather, borehole filled with rain water, precluded observation of groundwater

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

Douglas Partners
Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT: The Trust Company (Australia) Limited
PROJECT: Student Housing Development
LOCATION: 90-102 Regent Street, Redfern

SURFACE LEVEL: 26.5 AHD
EASTING: 333542
NORTHING: 6248218.7
DIP/AZIMUTH: 90°/--

BORE No: BH7
PROJECT No: 86852.00
DATE: 17/9/2019
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01, 0.05, 0.10, 0.50, 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
26	0.45	VOID BELOW FLOOR										
		FILL/SAND: fine to medium, dark brown, with clay, timber fragments, concrete gravels and terracota, trace charcoal and brick fragments, moist							E*			
25	0.9	Bore discontinued at 0.9m Refusal possibly on concrete slab										
24	1											
23	2											
22	3											
21	4											
20	5											
19	6											
18	7											
17	8											
	9											

RIG: Hand tools **DRILLER:** CLN **LOGGED:** CLN **CASING:** Uncased

TYPE OF BORING: Hand auger

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: *BD2/190917

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Sampling

Test Pits

Large Diameter Augers

Continuous Spiral Flight Augers

Non-core Rotary Drilling

Continuous Core Drilling

Standard Penetration Tests

Dynamic Cone Penetrometer Tests / Perth Sand Penetrometer Tests

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Description and Classification Methods

The methods of description and classification of soils and rocks used in this report are generally based on Australian Standard AS1726:2017, Geotechnical Site Investigations. In general, the descriptions include strength or density, colour, structure, soil or rock type and inclusions.

Soil Types

Soil types are described according to the predominant particle size, qualified by the grading of other particles present:

Type	Particle size (mm)
Boulder	>200
Cobble	63 - 200
Gravel	2.36 - 63
Sand	0.075 - 2.36
Silt	0.002 - 0.075
Clay	<0.002

The sand and gravel sizes can be further subdivided as follows:

Type	Particle size (mm)
Coarse gravel	19 - 63
Medium gravel	6.7 - 19
Fine gravel	2.36 – 6.7
Coarse sand	0.6 - 2.36
Medium sand	0.21 - 0.6
Fine sand	0.075 - 0.21

Definitions of grading terms used are:

- Well graded - a good representation of all particle sizes
- Poorly graded - an excess or deficiency of particular sizes within the specified range
- Uniformly graded - an excess of a particular particle size
- Gap graded - a deficiency of a particular particle size with the range

The proportions of secondary constituents of soils are described as follows:

In fine grained soils (>35% fines)

Term	Proportion of sand or gravel	Example
And	Specify	Clay (60%) and Sand (40%)
Adjective	>30%	Sandy Clay
With	15 – 30%	Clay with sand
Trace	0 - 15%	Clay with trace sand

In coarse grained soils (>65% coarse)
- with clays or silts

Term	Proportion of fines	Example
And	Specify	Sand (70%) and Clay (30%)
Adjective	>12%	Clayey Sand
With	5 - 12%	Sand with clay
Trace	0 - 5%	Sand with trace clay

In coarse grained soils (>65% coarse)
- with coarser fraction

Term	Proportion of coarser fraction	Example
And	Specify	Sand (60%) and Gravel (40%)
Adjective	>30%	Gravelly Sand
With	15 - 30%	Sand with gravel
Trace	0 - 15%	Sand with trace gravel

The presence of cobbles and boulders shall be specifically noted by beginning the description with ‘Mix of Soil and Cobbles/Boulders’ with the word order indicating the dominant first and the proportion of cobbles and boulders described together.

Soil Descriptions

Cohesive Soils

Cohesive soils, such as clays, are classified on the basis of undrained shear strength. The strength may be measured by laboratory testing, or estimated by field tests or engineering examination. The strength terms are defined as follows:

Description	Abbreviation	Undrained shear strength (kPa)
Very soft	VS	<12
Soft	S	12 - 25
Firm	F	25 - 50
Stiff	St	50 - 100
Very stiff	VSt	100 - 200
Hard	H	>200
Friable	Fr	-

Cohesionless Soils

Cohesionless soils, such as clean sands, are classified on the basis of relative density, generally from the results of standard penetration tests (SPT), cone penetration tests (CPT) or dynamic penetrometers (PSP). The relative density terms are given below:

Relative Density	Abbreviation	Density Index (%)
Very loose	VL	<15
Loose	L	15-35
Medium dense	MD	35-65
Dense	D	65-85
Very dense	VD	>85

Soil Origin

It is often difficult to accurately determine the origin of a soil. Soils can generally be classified as:

- Residual soil - derived from in-situ weathering of the underlying rock;
- Extremely weathered material – formed from in-situ weathering of geological formations. Has soil strength but retains the structure or fabric of the parent rock;
- Alluvial soil – deposited by streams and rivers;
- Estuarine soil – deposited in coastal estuaries;
- Marine soil – deposited in a marine environment;
- Lacustrine soil – deposited in freshwater lakes;
- Aeolian soil – carried and deposited by wind;
- Colluvial soil – soil and rock debris transported down slopes by gravity;
- Topsoil – mantle of surface soil, often with high levels of organic material.
- Fill – any material which has been moved by man.

Moisture Condition – Coarse Grained Soils

For coarse grained soils the moisture condition should be described by appearance and feel using the following terms:

- Dry (D) Non-cohesive and free-running.
- Moist (M) Soil feels cool, darkened in colour.
  Soil tends to stick together.
  Sand forms weak ball but breaks easily.
- Wet (W) Soil feels cool, darkened in colour.
  Soil tends to stick together, free water forms when handling.

Moisture Condition – Fine Grained Soils

For fine grained soils the assessment of moisture content is relative to their plastic limit or liquid limit, as follows:

- ‘Moist, dry of plastic limit’ or ‘w <PL’ (i.e. hard and friable or powdery).
- ‘Moist, near plastic limit’ or ‘w ≈ PL (i.e. soil can be moulded at moisture content approximately equal to the plastic limit).
- ‘Moist, wet of plastic limit’ or ‘w >PL’ (i.e. soils usually weakened and free water forms on the hands when handling).
- ‘Wet’ or ‘w ≈LL’ (i.e. near the liquid limit).
- ‘Wet’ or ‘w >LL’ (i.e. wet of the liquid limit).

Rock Strength

Rock strength is defined by the Unconfined Compressive Strength and it refers to the strength of the rock substance and not the strength of the overall rock mass, which may be considerably weaker due to defects.

The Point Load Strength Index $Is_{(50)}$ is commonly used to provide an estimate of the rock strength and site specific correlations should be developed to allow UCS values to be determined. The point load strength test procedure is described by Australian Standard AS4133.4.1-2007. The terms used to describe rock strength are as follows:

Strength Term	Abbreviation	Unconfined Compressive Strength MPa	Point Load Index * $Is_{(50)}$ MPa
Very low	VL	0.6 - 2	0.03 - 0.1
Low	L	2 - 6	0.1 - 0.3
Medium	M	6 - 20	0.3 - 1.0
High	H	20 - 60	1 - 3
Very high	VH	60 - 200	3 - 10
Extremely high	EH	>200	>10

* Assumes a ratio of 20:1 for UCS to $Is_{(50)}$. It should be noted that the UCS to $Is_{(50)}$ ratio varies significantly for different rock types and specific ratios should be determined for each site.

Degree of Weathering

The degree of weathering of rock is classified as follows:

Term	Abbreviation	Description
Residual Soil	RS	Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are no longer visible, but the soil has not been significantly transported.
Extremely weathered	XW	Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are still visible
Highly weathered	HW	The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable. Rock strength is significantly changed by weathering. Some primary minerals have weathered to clay minerals. Porosity may be increased by leaching, or may be decreased due to deposition of weathering products in pores.
Moderately weathered	MW	The whole of the rock material is discoloured , usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable, but shows little or no change of strength from fresh rock.
Slightly weathered	SW	Rock is partially discoloured with staining or bleaching along joints but shows little or no change of strength from fresh rock.
Fresh	FR	No signs of decomposition or staining.
Note: If HW and MW cannot be differentiated use DW (see below)		
Distinctly weathered	DW	Rock strength usually changed by weathering. The rock may be highly discoloured, usually by iron staining. Porosity may be increased by leaching or may be decreased due to deposition of weathered products in pores.

Rock Descriptions

Degree of Fracturing

The following classification applies to the spacing of natural fractures in diamond drill cores. It includes bedding plane partings, joints and other defects, but excludes drilling breaks.

Term	Description
Fragmented	Fragments of <20 mm
Highly Fractured	Core lengths of 20-40 mm with occasional fragments
Fractured	Core lengths of 30-100 mm with occasional shorter and longer sections
Slightly Fractured	Core lengths of 300 mm or longer with occasional sections of 100-300 mm
Unbroken	Core contains very few fractures

Rock Quality Designation

The quality of the cored rock can be measured using the Rock Quality Designation (RQD) index, defined as:

$$\text{RQD \%} = \frac{\text{cumulative length of 'sound' core sections} \geq \text{100 mm long}}{\text{total drilled length of section being assessed}}$$

where 'sound' rock is assessed to be rock of low strength or stronger. The RQD applies only to natural fractures. If the core is broken by drilling or handling (i.e. drilling breaks) then the broken pieces are fitted back together and are not included in the calculation of RQD.

Stratification Spacing

For sedimentary rocks the following terms may be used to describe the spacing of bedding partings:

Term	Separation of Stratification Planes
Thinly laminated	< 6 mm
Laminated	6 mm to 20 mm
Very thinly bedded	20 mm to 60 mm
Thinly bedded	60 mm to 0.2 m
Medium bedded	0.2 m to 0.6 m
Thickly bedded	0.6 m to 2 m
Very thickly bedded	> 2 m

Symbols & Abbreviations

Douglas Partners

Introduction

These notes summarise abbreviations commonly used on borehole logs and test pit reports.

Drilling or Excavation Methods

C	Core drilling
R	Rotary drilling
SFA	Spiral flight augers
NMLC	Diamond core - 52 mm dia
NQ	Diamond core - 47 mm dia
HQ	Diamond core - 63 mm dia
PQ	Diamond core - 81 mm dia

Water

▷	Water seep
▽	Water level

Sampling and Testing

A	Auger sample
B	Bulk sample
D	Disturbed sample
E	Environmental sample
U_{50}	Undisturbed tube sample (50mm)
W	Water sample
pp	Pocket penetrometer (kPa)
PID	Photo ionisation detector
PL	Point load strength Is(50) MPa
S	Standard Penetration Test
V	Shear vane (kPa)

Description of Defects in Rock

The abbreviated descriptions of the defects should be in the following order: Depth, Type, Orientation, Coating, Shape, Roughness and Other. Drilling and handling breaks are not usually included on the logs.

Defect Type

B	Bedding plane
Cs	Clay seam
Cv	Cleavage
Cz	Crushed zone
Ds	Decomposed seam
F	Fault
J	Joint
Lam	Lamination
Pt	Parting
Sz	Sheared Zone
V	Vein

Orientation

The inclination of defects is always measured from the perpendicular to the core axis.

h	horizontal
v	vertical
sh	sub-horizontal
sv	sub-vertical

Coating or Infilling Term

cln	clean
co	coating
he	healed
inf	infilled
stn	stained
ti	tight
vn	veneer

Coating Descriptor

ca	calcite
cbs	carbonaceous
cly	clay
fe	iron oxide
mn	manganese
slt	silty

Shape

cu	curved
ir	irregular
pl	planar
st	stepped
un	undulating

Roughness

po	polished
ro	rough
sl	slickensided
sm	smooth
vr	very rough

Other

fg	fragmented
bnd	band
qtz	quartz

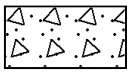
Symbols & Abbreviations

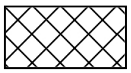
Graphic Symbols for Soil and Rock

General

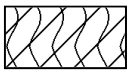

Asphalt

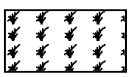

Road base

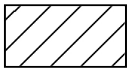

Concrete

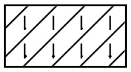

Filling

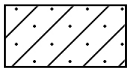
Soils


Topsoil

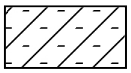

Peat

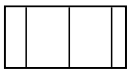

Clay

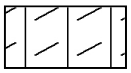

Silty clay

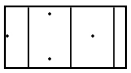

Sandy clay

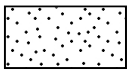

Gravelly clay

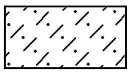

Shaly clay

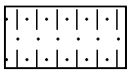

Silt


Clayey silt


Sandy silt

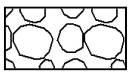

Sand

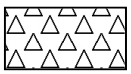

Clayey sand


Silty sand


Gravel

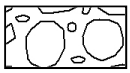

Sandy gravel


Cobbles, boulders

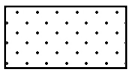

Talus

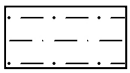
Sedimentary Rocks

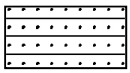

Boulder conglomerate

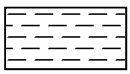

Conglomerate


Conglomeratic sandstone

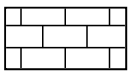

Sandstone


Siltstone

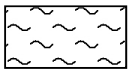

Laminite

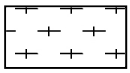

Mudstone, claystone, shale

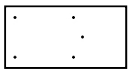

Coal


Limestone

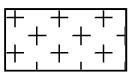
Metamorphic Rocks

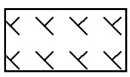

Slate, phyllite, schist

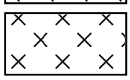

Gneiss

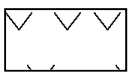

Quartzite

Igneous Rocks


Granite


Dolerite, basalt, andesite


Dacite, epidote


Tuff, breccia


Porphyry

Appendix F

DATA QUALITY ASSESSMENT

Q1. Data Quality Objectives

National Environment Protection (Assessment of Site Contamination) Measure 1999 01 01 01

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1

Table Q1: Data Quality Objectives

Data Quality Objective	Report Section where Addressed
	1
	11 1
	1 9 10
	 7 1
	7
	 7

Q2. FIELD AND LABORATORY QUALITY CONTROL

Table Q2: Field QC

Item	Frequency	Acceptance Criteria	Achievement
	10	R D 0	1

Table Q3: Laboratory QC

Item	Frequency	Acceptance Criteria	Achievement
	1		
	10		
M	1	70 1 0 0 1 0 10 1 0	
		70 1 0 0 1 0 10 1 0	
	1	70 1 0 0 1 0 10 1 0	

10

Q2.1 Intra-Laboratory Replicates

Q2.1.1 Soil

Q2.1.2 Groundwater

Q2.2 Inter-Laboratory Analysis

Table Q4-1: Relative Percentage Difference Results Intra-laboratory Replicates (Soil)

		Metals								TRH						BTEX				PAH			
		Arsenic	Cadmium	Total Chromium	Copper	Lead	Mercury (inorganic)	Nickel	Zinc	TRH C6 - C10	TRH >C10-C16	F1 ((C6-C10)-BTEX)	F2 (>C10-C16 less Naphthalene)	F3 (>C16-C34)	F4 (>C34-C40)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene b	Benzo(a)pyrene (BaP)	Benzo(a)pyrene TEQ	Total PAHs
Sample ID	Sampled Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BD2 190917	17/09/2019	8	<0.4	8	23	1200	1	2	290	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	0.68	0.9	6.8
BH7/0.5-0.6	17/09/2019	11	<0.4	7	25	1200	0.9	2	340	<25	<50	<25	<50	100	<100	<0.2	<0.5	<1	<1	<1	0.6	0.8	6
	Difference	3	0	1	2	0	0.1	0	50	0	0	0	0	0	0	0	0	0	0	0	0.08	0.1	0.8
	RPD	**32%**	0%	13%	8%	0%	11%	0%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	12%	12%

Table Q4-2: Relative Percentage Difference Results Intra-laboratory Replicates (Groundwater)

Sample	Sampling Date	Units	Metals (Filtered)								TRH		BTEX				PAH		
			Arsenic	Cadmium	Total Chromium	Copper	Lead	Mercury (inorganic)	Nickel	Zinc	F1 ((C6-C10)-BTEX)	F2 (>C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	m Xylenes	Naphthalene [b]	Benzo(a)pyrene (BaP)	Total PAHs
MW2	27/09/2019	µg/L	5	<0.1	3	3	<1	<0.05	11	20	<10	<50	<1	<1	<1	<2	<0.2	<0.1	NIL (+)VE
BD1 190927	27/09/2019	µg/L	1	<0.1	<1	<1	<1	<0.05	8	11	<10	<50	<1	<1	<1	<2	<0.2	<0.1	NIL (+)VE
Difference			4	0	2	2	0	0	3	9	0	0	0	0	0	0	0	0	0
RPD			**133%**	0%	**100%**	**100%**	0%	0%	**32%**	**58%**	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW1	26/11/2019	µg/L	2	<0.1	<1	<1	<1	<0.05	4	3	<10	730	<1	<1	<1	<2	<1	<2	-
BD1 191126	26/11/2019	µg/L	2	<0.1	<1	<1	<1	<0.05	5	3	<10	490	<1	<1	<1	<2	<1	-	-
Difference			0	0	0	0	0	0	1	0	0	240	0	0	0	0	0	-	-
RPD			0%	0%	0%	0%	0%	0%	22%	0%	0%	39%	0%	0%	0%	0%	0%	-	-

Table Q4-3: Relative Percentage Difference Results Inter-laboratory Replicates (Soil)

		Metals								TRH						BTEX				PAH			
		Arsenic	Cadmium	Total Chromium	Copper	Lead	Mercury (inorganic)	Nickel	Zinc	TRH C6 - C10	TRH >C10-C16	F1 ((C6-C10)-BTEX)	F2 (>C10-C16 less Naphthalene)	F3 (>C16-C34)	F4 (>C34-C40)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene b	Benzo(a)pyrene (BaP)	Benzo(a)pyrene TEQ	Total PAHs
Sample ID	Sampled Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample ID	Sampled Date																						
BD1 190917	17/09/2019	10	<1	36	<5	20	<0.1	<2	<5	<10	<50	<10	<50	<100	<100	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH1A/0.5-0.6	17/09/2019	5	<0.4	20	<1	14	0.2	<1	<1	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<3	<1	<0.05	<0.5	<0.05
	Difference	5	0	16	0	6	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RPD	**50%**	0%	**44%**	0%	30%	**100%**	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Q2.2 Trip (Field) Blank

Table Q5-1: Trip Blank Results - Soils (mg/kg)

Sample ID	Benzene	Toluene	Ethylbenzene	M + P Xylene	O Xylene

Table Q5-2: Trip Blank Results - Groundwater (µg/L)

Sample ID	Benzene	Toluene	Ethylbenzene	M + P Xylene	O Xylene

Q2.3 Trip (Field) Spike

Table Q6-1: Trip Spike Results – Soils (% Recovery - Soil)

Sample ID	Benzene	Toluene	Ethylbenzene	M + P Xylene	O Xylene

Table Q6-2: Trip Spike Results – Groundwater (% Recovery - Groundwater)

Sample ID	Benzene	Toluene	Ethylbenzene	M + P Xylene	O Xylene

Q3. Data Quality Indicators

- Bias/Precision – Trip Spikes / Trip Blanks / Rinsate Blanks / Duplicates
- Bias/Precision – Laboratory Duplicates / Matrix Spikes / Surrogate Spikes / Laboratory Control Samples
- Representativeness – Holding Times / Trip Blanks / Rinsate Blanks / Field and Laboratory Duplicates
- Comparability – Standard Methods / Detection Limits / Consistent Units
- Completeness – a measure of closeness of the data to the 'true' value.

Table Q7: Data Quality Indicators

Data Quality Indicator	Method(s) of Achievement

Data Quality Indicator	Method(s) of Achievement
R r	
r	R D Refer to Lab Report 226761 r R d r Refer to Lab Report 226761-A: M – d r r R D R D r d r Refer to Lab Report 226761-C : M – r d r 17 Refer to Lab Report 227289 r r r r r r r r 7 9 1 d r r d r 0 r Lab report 231173 d d r d r 0 r r r d r r r d r r r r r r r r

Appendix G

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CERTIFICATE OF ANALYSIS 226761

Client Details

Client	Douglas Partners Pty Ltd
Attention	Chamali Nagodavithane
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.00, Redfern**
Number of Samples	17 soil
Date samples received	24/09/2019
Date completed instructions received	24/09/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	01/10/2019
Date of Issue	04/12/2019
Reissue Details	This report replaces R00 created on 01/10/2019 due to: Sample ID Amended (Client Request)

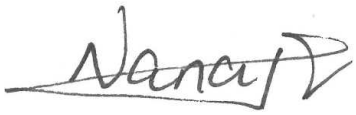
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Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		226761-1	226761-2	226761-3	226761-4	226761-5
Your Reference	UNITS	BH1A/0.5-0.6	BH2/0.15-0.25	BH2/0.5-0.6	BH3/0.5-0.6	BH4/0.1-0.2
Date Sampled		17/09/2019	19/09/2019	19/09/2019	20/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	8	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	87	92	89	76	88

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		226761-6	226761-7	226761-8	226761-9	226761-10
Your Reference	UNITS	BH5/0.15-0.25	BH6/1-1.1	BH7/0.5-0.6	BH1A/0.15-0.25	BH3/1-1.1
Date Sampled		23/09/2019	18/09/2019	17/09/2019	17/09/2019	20/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	82	79	81	77	83

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		226761-11	226761-12	226761-13	226761-14	226761-15
Your Reference	UNITS	BH4/0.5-0.6	BH5/1.0-1.1	BH6/1.4-1.5	BD2 190917	TB
Date Sampled		23/09/2019	23/09/2019	17/09/2019	17/09/2019	17/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	86	75	85	81	80

vTRH(C6-C10)/BTEXN in Soil		
Our Reference		226761-16
Your Reference	UNITS	TS
Date Sampled		17/09/2019
Type of sample		soil
Date extracted	-	25/09/2019
Date analysed	-	26/09/2019
Benzene	mg/kg	93%
Toluene	mg/kg	94%
Ethylbenzene	mg/kg	97%
m+p-xylene	mg/kg	97%
o-Xylene	mg/kg	87%
Surrogate aaa-Trifluorotoluene	%	84

svTRH (C10-C40) in Soil						
Our Reference		226761-1	226761-2	226761-3	226761-4	226761-5
Your Reference	UNITS	BH1A/0.5-0.6	BH2/0.15-0.25	BH2/0.5-0.6	BH3/0.5-0.6	BH4/0.1-0.2
Date Sampled		17/09/2019	19/09/2019	19/09/2019	20/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019	25/09/2019	26/09/2019	26/09/2019
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	160	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	3,300	280
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	1,600	720
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	400	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	400	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	4,300	780
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	730	500
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	5,400	1,300
Surrogate o-Terphenyl	%	89	89	84	#	93

svTRH (C10-C40) in Soil						
Our Reference		226761-6	226761-7	226761-8	226761-9	226761-10
Your Reference	UNITS	BH5/0.15-0.25	BH6/1-1.1	BH7/0.5-0.6	BH1A/0.15-0.25	BH3/1-1.1
Date Sampled		23/09/2019	18/09/2019	17/09/2019	17/09/2019	20/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	100	<50	<50
Surrogate o-Terphenyl	%	84	89	84	86	82

svTRH (C10-C40) in Soil					
Our Reference		226761-11	226761-12	226761-13	226761-14
Your Reference	UNITS	BH4/0.5-0.6	BH5/1.0-1.1	BH6/1.4-1.5	BD2 190917
Date Sampled		23/09/2019	23/09/2019	17/09/2019	17/09/2019
Type of sample		soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50
Surrogate o-Terphenyl	%	84	85	85	86

PAHs in Soil						
Our Reference		226761-1	226761-2	226761-3	226761-4	226761-5
Your Reference	UNITS	BH1A/0.5-0.6	BH2/0.15-0.25	BH2/0.5-0.6	BH3/0.5-0.6	BH4/0.1-0.2
Date Sampled		17/09/2019	19/09/2019	19/09/2019	20/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Naphthalene	mg/kg	<0.1	<0.1	<0.1	7.6	0.1
Acenaphthylene	mg/kg	<0.1	0.1	<0.1	34	0.2
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	4.0	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	17	<0.1
Phenanthrene	mg/kg	<0.1	0.4	0.1	180	0.9
Anthracene	mg/kg	<0.1	<0.1	<0.1	38	0.3
Fluoranthene	mg/kg	<0.1	1.4	0.3	230	2.2
Pyrene	mg/kg	<0.1	1.7	0.3	220	2.4
Benzo(a)anthracene	mg/kg	<0.1	0.9	0.2	100	1.3
Chrysene	mg/kg	<0.1	1.0	0.2	86	1.4
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	2	0.3	130	2.7
Benzo(a)pyrene	mg/kg	<0.05	1.2	0.2	88	1.8
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.6	0.1	37	1
Dibenzo(a,h)anthracene	mg/kg	<0.1	0.1	<0.1	6.7	0.3
Benzo(g,h,i)perylene	mg/kg	<0.1	0.8	0.1	43	1.3
Total +ve PAH's	mg/kg	<0.05	10	1.8	1,200	16
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	1.7	<0.5	120	2.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	1.7	<0.5	120	2.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	1.7	<0.5	120	2.5
Surrogate p-Terphenyl-d14	%	93	97	91	100	98

PAHs in Soil						
Our Reference		226761-6	226761-7	226761-8	226761-9	226761-10
Your Reference	UNITS	BH5/0.15-0.25	BH6/1-1.1	BH7/0.5-0.6	BH1A/0.15-0.25	BH3/1-1.1
Date Sampled		23/09/2019	18/09/2019	17/09/2019	17/09/2019	20/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.2	0.3	0.5	<0.1	0.3
Anthracene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.6	0.9	1.0	<0.1	0.6
Pyrene	mg/kg	0.7	0.9	1	<0.1	0.6
Benzo(a)anthracene	mg/kg	0.4	0.4	0.5	<0.1	0.3
Chrysene	mg/kg	0.4	0.4	0.5	<0.1	0.3
Benzo(b,j+k)fluoranthene	mg/kg	0.7	0.7	1	<0.2	0.4
Benzo(a)pyrene	mg/kg	0.4	0.4	0.60	<0.05	0.3
Indeno(1,2,3-c,d)pyrene	mg/kg	0.2	0.2	0.3	<0.1	0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	0.3	0.2	0.3	<0.1	0.1
Total +ve PAH's	mg/kg	3.8	4.5	6.0	<0.05	2.9
Benzo(a)pyrene TEQ calc (zero)	mg/kg	0.6	0.6	0.8	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	0.6	0.6	0.8	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	0.7	0.7	0.9	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	96	96	99	94	95

PAHs in Soil					
Our Reference		226761-11	226761-12	226761-13	226761-14
Your Reference	UNITS	BH4/0.5-0.6	BH5/1.0-1.1	BH6/1.4-1.5	BD2 190917
Date Sampled		23/09/2019	23/09/2019	17/09/2019	17/09/2019
Type of sample		soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	0.3	0.6
Anthracene	mg/kg	<0.1	<0.1	<0.1	0.1
Fluoranthene	mg/kg	0.1	0.1	0.8	1.2
Pyrene	mg/kg	0.2	0.1	0.9	1.2
Benzo(a)anthracene	mg/kg	<0.1	<0.1	0.4	0.6
Chrysene	mg/kg	<0.1	<0.1	0.5	0.6
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	0.7	1
Benzo(a)pyrene	mg/kg	0.08	0.05	0.4	0.68
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	0.2	0.3
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	0.3	0.4
Total +ve PAH's	mg/kg	0.4	0.2	4.6	6.8
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	0.6	0.9
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	0.6	0.9
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	0.7	1
Surrogate p-Terphenyl-d14	%	97	99	89	103

Organochlorine Pesticides in soil						
Our Reference		226761-2	226761-4	226761-5	226761-6	226761-7
Your Reference	UNITS	BH2/0.15-0.25	BH3/0.5-0.6	BH4/0.1-0.2	BH5/0.15-0.25	BH6/1-1.1
Date Sampled		19/09/2019	20/09/2019	23/09/2019	23/09/2019	18/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	30/09/2019	26/09/2019	26/09/2019
HCB	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Surrogate TCMX	%	97	98	95	96	96

Organochlorine Pesticides in soil			
Our Reference		226761-8	226761-9
Your Reference	UNITS	BH7/0.5-0.6	BH1A/0.15-0.25
Date Sampled		17/09/2019	17/09/2019
Type of sample		soil	soil
Date extracted	-	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019
HCB	mg/kg	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1
Aldrin	mg/kg	1.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1
Dieldrin	mg/kg	1.2	<0.1
Endrin	mg/kg	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1
Surrogate TCMX	%	96	98

Organophosphorus Pesticides						
Our Reference		226761-2	226761-4	226761-5	226761-6	226761-7
Your Reference	UNITS	BH2/0.15-0.25	BH3/0.5-0.6	BH4/0.1-0.2	BH5/0.15-0.25	BH6/1-1.1
Date Sampled		19/09/2019	20/09/2019	23/09/2019	23/09/2019	18/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	30/09/2019	26/09/2019	26/09/2019
Azinphos-methyl (Guthion)	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<1	<0.1	<0.1	<0.1
Surrogate TCMX	%	97	98	95	96	96

Organophosphorus Pesticides			
Our Reference		226761-8	226761-9
Your Reference	UNITS	BH7/0.5-0.6	BH1A/0.15-0.25
Date Sampled		17/09/2019	17/09/2019
Type of sample		soil	soil
Date extracted	-	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1
Chlorpyriphos	mg/kg	0.2	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1
Surrogate TCMX	%	96	98

PCBs in Soil						
Our Reference		226761-2	226761-4	226761-5	226761-6	226761-7
Your Reference	UNITS	BH2/0.15-0.25	BH3/0.5-0.6	BH4/0.1-0.2	BH5/0.15-0.25	BH6/1-1.1
Date Sampled		19/09/2019	20/09/2019	23/09/2019	23/09/2019	18/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	30/09/2019	26/09/2019	26/09/2019
Aroclor 1016	mg/kg	<0.1	<1	<0.5	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<1	<0.5	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<1	<0.5	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<1	<0.5	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<1	<0.5	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<1	<0.5	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<1	<0.5	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<1	<0.5	<0.1	<0.1
Surrogate TCMX	%	97	98	95	96	96

PCBs in Soil			
Our Reference		226761-8	226761-9
Your Reference	UNITS	BH7/0.5-0.6	BH1A/0.15-0.25
Date Sampled		17/09/2019	17/09/2019
Type of sample		soil	soil
Date extracted	-	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019
Aroclor 1016	mg/kg	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1
Surrogate TCMX	%	96	98

Acid Extractable metals in soil						
Our Reference		226761-1	226761-2	226761-3	226761-4	226761-5
Your Reference	UNITS	BH1A/0.5-0.6	BH2/0.15-0.25	BH2/0.5-0.6	BH3/0.5-0.6	BH4/0.1-0.2
Date Sampled		17/09/2019	19/09/2019	19/09/2019	20/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Arsenic	mg/kg	5	4	<4	5	6
Cadmium	mg/kg	<0.4	0.5	<0.4	0.5	2
Chromium	mg/kg	20	9	5	10	22
Copper	mg/kg	<1	65	28	88	130
Lead	mg/kg	14	280	440	1,100	930
Mercury	mg/kg	0.2	0.4	0.3	1.0	1.0
Nickel	mg/kg	<1	18	3	7	25
Zinc	mg/kg	<1	430	240	380	840

Acid Extractable metals in soil						
Our Reference		226761-6	226761-7	226761-8	226761-9	226761-10
Your Reference	UNITS	BH5/0.15-0.25	BH6/1-1.1	BH7/0.5-0.6	BH1A/0.15-0.25	BH3/1-1.1
Date Sampled		23/09/2019	18/09/2019	17/09/2019	17/09/2019	20/09/2019
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Arsenic	mg/kg	<4	<4	11	6	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	11	6	7	17	4
Copper	mg/kg	16	58	25	7	10
Lead	mg/kg	84	1,600	1,200	32	430
Mercury	mg/kg	0.2	0.4	0.9	0.1	0.3
Nickel	mg/kg	6	4	2	5	1
Zinc	mg/kg	84	240	340	28	54

Acid Extractable metals in soil						
Our Reference		226761-11	226761-12	226761-13	226761-14	226761-18
Your Reference	UNITS	BH4/0.5-0.6	BH5/1.0-1.1	BH6/1.4-1.5	BD2 190917	BH2/0.15-0.25 - [TRIPLICATE]
Date Sampled		23/09/2019	23/09/2019	17/09/2019	17/09/2019	19/09/2019
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Arsenic	mg/kg	<4	4	<4	8	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	0.6
Chromium	mg/kg	3	18	9	8	9
Copper	mg/kg	13	11	8	23	66
Lead	mg/kg	780	88	1,800	1,200	320
Mercury	mg/kg	0.3	0.2	<0.1	1.0	0.6
Nickel	mg/kg	1	5	4	2	21
Zinc	mg/kg	480	84	110	290	470

Misc Soil - Inorg						
Our Reference		226761-2	226761-4	226761-5	226761-6	226761-7
Your Reference	UNITS	BH2/0.15-0.25	BH3/0.5-0.6	BH4/0.1-0.2	BH5/0.15-0.25	BH6/1-1.1
Date Sampled		19/09/2019	20/09/2019	23/09/2019	23/09/2019	18/09/2019
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg			
Our Reference		226761-8	226761-9
Your Reference	UNITS	BH7/0.5-0.6	BH1A/0.15-0.25
Date Sampled		17/09/2019	17/09/2019
Type of sample		soil	soil
Date prepared	-	25/09/2019	25/09/2019
Date analysed	-	25/09/2019	25/09/2019
Total Phenolics (as Phenol)	mg/kg	<5	<5

Moisture						
Our Reference		226761-1	226761-2	226761-3	226761-4	226761-5
Your Reference	UNITS	BH1A/0.5-0.6	BH2/0.15-0.25	BH2/0.5-0.6	BH3/0.5-0.6	BH4/0.1-0.2
Date Sampled		17/09/2019	19/09/2019	19/09/2019	20/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
Moisture	%	22	19	16	15	18

Moisture						
Our Reference		226761-6	226761-7	226761-8	226761-9	226761-10
Your Reference	UNITS	BH5/0.15-0.25	BH6/1-1.1	BH7/0.5-0.6	BH1A/0.15-0.25	BH3/1-1.1
Date Sampled		23/09/2019	18/09/2019	17/09/2019	17/09/2019	20/09/2019
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
Moisture	%	13	23	5.3	17	11

Moisture					
Our Reference		226761-11	226761-12	226761-13	226761-14
Your Reference	UNITS	BH4/0.5-0.6	BH5/1.0-1.1	BH6/1.4-1.5	BD2 190917
Date Sampled		23/09/2019	23/09/2019	17/09/2019	17/09/2019
Type of sample		soil	soil	soil	soil
Date prepared	-	25/09/2019	25/09/2019	25/09/2019	25/09/2019
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019
Moisture	%	12	27	14	4.5

Asbestos ID - soils						
Our Reference		226761-2	226761-3	226761-4	226761-5	226761-6
Your Reference	UNITS	BH2/0.15-0.25	BH2/0.5-0.6	BH3/0.5-0.6	BH4/0.1-0.2	BH5/0.15-0.25
Date Sampled		19/09/2019	19/09/2019	20/09/2019	23/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil	soil
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
Sample mass tested	g	Approx. 45g	Approx. 45g	Approx. 35g	Approx. 40g	Approx. 45g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		226761-7	226761-8	226761-9	226761-10	226761-11
Your Reference	UNITS	BH6/1-1.1	BH7/0.5-0.6	BH1A/0.15-0.25	BH3/1-1.1	BH4/0.5-0.6
Date Sampled		18/09/2019	17/09/2019	17/09/2019	20/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil	soil
Date analysed	-	26/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
Sample mass tested	g	Approx. 45g	Approx. 55g	Approx. 50g	Approx. 40g	Approx. 55g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Misc Inorg - Soil				
Our Reference		226761-4	226761-9	226761-12
Your Reference	UNITS	BH3/0.5-0.6	BH1A/0.15-0.25	BH5/1.0-1.1
Date Sampled		20/09/2019	17/09/2019	23/09/2019
Type of sample		soil	soil	soil
Date prepared	-	30/09/2019	30/09/2019	30/09/2019
Date analysed	-	30/09/2019	30/09/2019	30/09/2019
pH 1:5 soil:$CaCl_2$	pH Units	7.5	9.3	4.5

CEC				
Our Reference		226761-4	226761-9	226761-12
Your Reference	UNITS	BH3/0.5-0.6	BH1A/0.15-0.25	BH5/1.0-1.1
Date Sampled		20/09/2019	17/09/2019	23/09/2019
Type of sample		soil	soil	soil
Date prepared	-	26/09/2019	26/09/2019	26/09/2019
Date analysed	-	27/09/2019	27/09/2019	27/09/2019
Exchangeable Ca	meq/100g	16	65	9.7
Exchangeable K	meq/100g	0.3	0.6	0.6
Exchangeable Mg	meq/100g	0.41	0.58	0.81
Exchangeable Na	meq/100g	<0.1	0.15	<0.1
Cation Exchange Capacity	meq/100g	17	66	11

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-009	Determination of exchangeable cations and cation exchange capacity in soils using 1M Ammonium Chloride exchange and ICP-AES analytical finish.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-008	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.

Method ID	Methodology Summary
Org-012/017	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	[NT]
Date analysed	-			26/09/2019	2	26/09/2019	26/09/2019		26/09/2019	[NT]
TRH C_6 - C_9	mg/kg	25	Org-016	<25	2	<25	<25	0	99	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-016	<25	2	<25	<25	0	99	[NT]
Benzene	mg/kg	0.2	Org-016	<0.2	2	<0.2	<0.2	0	89	[NT]
Toluene	mg/kg	0.5	Org-016	<0.5	2	<0.5	<0.5	0	94	[NT]
Ethylbenzene	mg/kg	1	Org-016	<1	2	<1	<1	0	102	[NT]
m+p-xylene	mg/kg	2	Org-016	<2	2	<2	<2	0	105	[NT]
o-Xylene	mg/kg	1	Org-016	<1	2	<1	<1	0	103	[NT]
naphthalene	mg/kg	1	Org-014	<1	2	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	94	2	92	86	7	88	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Date analysed	-			[NT]	9	26/09/2019	26/09/2019		[NT]	[NT]
TRH C_6 - C_9	mg/kg	25	Org-016	[NT]	9	<25	<25	0	[NT]	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-016	[NT]	9	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	9	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	9	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	9	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	9	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	9	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	9	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	9	77	73	5	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	226761-4
Date extracted	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	25/09/2019
Date analysed	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	26/09/2019
TRH C_{10} - C_{14}	mg/kg	50	Org-003	<50	2	<50	<50	0	122	130
TRH C_{15} - C_{28}	mg/kg	100	Org-003	<100	2	<100	<100	0	87	#
TRH C_{29} - C_{36}	mg/kg	100	Org-003	<100	2	<100	<100	0	91	#
TRH >C_{10} -C_{16}	mg/kg	50	Org-003	<50	2	<50	<50	0	122	130
TRH >C_{16} -C_{34}	mg/kg	100	Org-003	<100	2	<100	120	18	87	#
TRH >C_{34} -C_{40}	mg/kg	100	Org-003	<100	2	<100	<100	0	91	#
Surrogate o-Terphenyl	%		Org-003	81	2	89	92	3	112	#

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Date analysed	-			[NT]	9	26/09/2019	26/09/2019		[NT]	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-003	[NT]	9	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-003	[NT]	9	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-003	[NT]	9	<100	<100	0	[NT]	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-003	[NT]	9	<50	<50	0	[NT]	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-003	[NT]	9	<100	<100	0	[NT]	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-003	[NT]	9	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	9	86	85	1	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	226761-4
Date extracted	-			25/09/2019	1	25/09/2019	25/09/2019		25/09/2019	25/09/2019
Date analysed	-			25/09/2019	1	25/09/2019	25/09/2019		25/09/2019	25/09/2019
Naphthalene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	126	#
Acenaphthylene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	114	#
Phenanthrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	114	#
Anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	112	#
Pyrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	116	#
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	120	#
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	<0.05	1	<0.05	<0.05	0	116	#
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	97	1	93	95	2	100	96

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Date analysed	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	9	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	9	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	9	94	83	12	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	[NT]
Date analysed	-			30/09/2019	2	26/09/2019	26/09/2019		30/09/2019	[NT]
HCB	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	115	[NT]
gamma-BHC	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	110	[NT]
Heptachlor	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	108	[NT]
delta-BHC	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	121	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	119	[NT]
gamma-Chlordane	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	118	[NT]
Dieldrin	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	133	[NT]
Endrin	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	113	[NT]
pp-DDD	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	119	[NT]
Endosulfan II	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	131	[NT]
Methoxychlor	mg/kg	0.1	Org-005	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-005	99	2	97	96	1	96	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	8	25/09/2019	26/09/2019		[NT]	[NT]
Date analysed	-			[NT]	8	26/09/2019	27/09/2019		[NT]	[NT]
HCB	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-005	[NT]	8	1.1	1.4	24	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-005	[NT]	8	1.2	1.2	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-005	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-005	[NT]	8	96	95	1	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Date analysed	-			[NT]	9	26/09/2019	26/09/2019		[NT]	[NT]
HCB	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-005	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-005	[NT]	9	98	94	4	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	[NT]
Date analysed	-			30/09/2019	2	26/09/2019	26/09/2019		30/09/2019	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	108	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	87	[NT]
Dimethoate	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	106	[NT]
Fenitrothion	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	122	[NT]
Malathion	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	116	[NT]
Parathion	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	122	[NT]
Ronnel	mg/kg	0.1	Org-008	<0.1	2	<0.1	<0.1	0	90	[NT]
Surrogate TCMX	%		Org-008	99	2	97	96	1	96	[NT]

QUALITY CONTROL: Organophosphorus Pesticides						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	8	25/09/2019	26/09/2019		[NT]	[NT]
Date analysed	-			[NT]	8	26/09/2019	27/09/2019		[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-008	[NT]	8	0.2	0.2	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-008	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-008	[NT]	8	96	95	1	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Date analysed	-			[NT]	9	26/09/2019	26/09/2019		[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-008	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-008	[NT]	9	98	94	4	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	[NT]
Date analysed	-			30/09/2019	2	26/09/2019	26/09/2019		30/09/2019	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	2	<0.1	<0.1	0	111	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	99	2	97	96	1	96	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	8	25/09/2019	26/09/2019		[NT]	[NT]
Date analysed	-			[NT]	8	26/09/2019	27/09/2019		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	8	96	95	1	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Date analysed	-			[NT]	9	26/09/2019	26/09/2019		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	9	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	9	98	94	4	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	226761-4
Date prepared	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	25/09/2019
Date analysed	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	25/09/2019
Arsenic	mg/kg	4	Metals-020	<4	2	4	4	0	98	90
Cadmium	mg/kg	0.4	Metals-020	<0.4	2	0.5	0.7	33	94	81
Chromium	mg/kg	1	Metals-020	<1	2	9	22	84	105	97
Copper	mg/kg	1	Metals-020	<1	2	65	78	18	102	##
Lead	mg/kg	1	Metals-020	<1	2	280	350	22	117	#
Mercury	mg/kg	0.1	Metals-021	<0.1	2	0.4	0.6	40	108	#
Nickel	mg/kg	1	Metals-020	<1	2	18	23	24	96	99
Zinc	mg/kg	1	Metals-020	<1	2	430	490	13	106	#

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Date analysed	-			[NT]	9	25/09/2019	25/09/2019		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	9	6	5	18	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	9	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	9	17	17	0	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	9	7	8	13	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	9	32	26	21	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	9	0.1	0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	9	5	3	50	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	9	28	23	20	[NT]	[NT]

QUALITY CONTROL: Misc Soil - Inorg						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date prepared	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	[NT]
Date analysed	-			25/09/2019	2	25/09/2019	25/09/2019		25/09/2019	[NT]
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	2	<5	<5	0	103	[NT]

QUALITY CONTROL: Misc Inorg - Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date prepared	-			30/09/2019	[NT]	[NT]	[NT]	[NT]	30/09/2019	[NT]
Date analysed	-			30/09/2019	[NT]	[NT]	[NT]	[NT]	30/09/2019	[NT]
pH 1:5 soil:$CaCl_2$	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	102	[NT]

QUALITY CONTROL: CEC						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date prepared	-			26/09/2019	[NT]	[NT]	[NT]	[NT]	26/09/2019	[NT]
Date analysed	-			27/09/2019	[NT]	[NT]	[NT]	[NT]	27/09/2019	[NT]
Exchangeable Ca	meq/100g	0.1	Metals-009	<0.1	[NT]	[NT]	[NT]	[NT]	107	[NT]
Exchangeable K	meq/100g	0.1	Metals-009	<0.1	[NT]	[NT]	[NT]	[NT]	104	[NT]
Exchangeable Mg	meq/100g	0.1	Metals-009	<0.1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Exchangeable Na	meq/100g	0.1	Metals-009	<0.1	[NT]	[NT]	[NT]	[NT]	108	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

TRH Soil C10-C40 NEPM - # Percent recovery for the surrogate and matrix spike is not possible to report as the high concentration of analytes in samples 226761-4 has caused interference.

PAHs in Soil - # Percent recovery for the matrix spike is not possible to report as the high concentration of analytes in sample 226761-4 have caused interference.
PAHs in Soil - The PQL for 226761-4 has been raised due to the sample matrix thereby requiring a dilution.

Asbestos: A portion of the supplied samples were sub-sampled for asbestos
analysis according to Envirolab procedures.
We cannot guarantee that these sub-samples are indicative of the entire sample.
Envirolab recommends supplying 40-50g of sample in its own container.
Note: Samples requested for asbestos testing were sub-sampled from jars
provided by the client.

Acid Extractable Metals in Soil:
-The laboratory RPD acceptance criteria has been exceeded for 226761-2 for Cr. Therefore a triplicate result has been issued as laboratory sample number 226761-18.
-## Percent recovery is not possible to report due to the inhomogeneous nature of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.
-# Percent recovery is not possible to report due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

OC's in Soil - The PQL has been raised due to interferences from analytes (other than those being tested) in sample 226761-4.

OP's in Soil - The PQL has been raised due to interferences from analytes (other than those being tested) in sample 226761-4.

PCBs in Soil - The PQL has been raised due to interferences from analytes (other than those being tested) in samples 226761-4 and 5.

Douglas Partners
Geotechnics / Environment / Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	86852.00	**Suburb:**	Redfern	**To:**	EnviroLab
Project Name:	Detailed Site Investigation	**Order Number**			12 Ashley Street, Chatswood 2067
Project Manager:	DH	**Sampler:**	CLN / NB	**Attn:**	Aileen Hie
Emails:	chamali.nagodavithane@douglaspartners.com.au			**Phone:**	(02) 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☑			**Email:**	Ahie@envirolab.com.au
Prior Storage:	☐ Esky ☑ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Date Sampled	Sample Type (S - soil, W - water)	Container Type (G - glass, P - plastic)	Analytes									Notes/preservation
						Combo 8a	Combo 3a	Combo 3	pH, CEC	TRH, BTEX	BTEX			
BH1A/0.5-0.6	1	17/09/19	S	G				x	✓					
BH2/0.15-0.25	2	19/09/19	S	G		x								
BH2/0.5-0.6	3	19/09/19	S	G			x							
BH3/0.5-0.6	4	20/09/19	S	G		x			x					
BH4/0.1-0.2	5	23/09/19	S	G		x								
BH5/0.15-0-.25	6	23/09/19	S	G		x								
BH6/1-1.1	7	18/09/19	S	G		x								
BH7/0-0.1	8	17/09/19	S	G		x								
BH1A/0.15-0.25	9	17/09/19	S	G		x			X					
BH3/1-1.1	10	20/09/19	S	G			x							
BH4/0.5-0.6	11	23/09/19	S	G			x							
BH5/1.0-1.1	12	23/09/19	S	G				x	x					
PQL (S) mg/kg														

ENVIROLAB

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 22626
Date Received: 24/9/19
Time Received: 9:40
Received by: AZ
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No:

Total number of samples in container: **Relinquished by:** **Transported to laboratory by:**

Send Results to: Douglas Partners Pty Ltd **Address** **Phone:** **Fax:**

Signed: **Received by:** AZ **Date & Time:** 24/9 9:40

Douglas Partners
Geotechnics / Environment / Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	86852.00	**Suburb:**	Redfern	**To:**	EnviroLab
Project Name:	Detailed Site Investigation	**Order Number**			12 Ashley Street, Chatswood 2067
Project Manager:	DH	**Sampler:**	CLN / NB	**Attn:**	Aileen Hie
Emails:	chamali.nagodavithane@douglaspartners.com.au			**Phone:**	(02) 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☑			**Email:**	Ahie@envirolab.com.au
Prior Storage:	☐ Esky ☑ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Sampling Date	Sample Type: S - soil, W - water	Container Type: G - glass, P - plastic	Analytes:	Combo 8a	Combo 3a	Combo 3	TRH, BTEX	BTEX				Notes/preservation
BH6/1.4-1.5	13	17/09/19	S	G				x						
BD2 190917	14	17/09/19	S	G				x						
BD1 190917	—	17/09/19	S	G				x						To be forwarded to ALS
TB	15		S	G					x					
TS	16		S	G						x				
BH6/1.9-2.0	17.	17/09/19	S	G										hold
PQL (S) mg/kg														

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No:

Total number of samples in container:	**Relinquished by:**	**Transported to laboratory by:**	
Send Results to: Douglas Partners Pty Ltd	**Address**	**Phone:**	**Fax:**
Signed:	**Received by:**	**Date & Time:** 24/9 9:40	

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd
Attention	Chamali Nagodavithane

Sample Login Details

Your reference	86852.00, Redfern
Envirolab Reference	226761
Date Sample Received	24/09/2019
Date Instructions Received	24/09/2019
Date Results Expected to be Reported	01/10/2019

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	17 soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	15.9
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticidesin soil	Organophosphorus Pesticides	PCBsin Soil	Acid Extractable metalsin soil	Misc Soil - Inorg	Asbestos ID - soils	Misc Inorg - Soil	CEC	On Hold
BH1A/0.5-0.6	✓	✓	✓				✓					
BH2/0.15-0.25	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BH2/0.5-0.6	✓	✓	✓				✓		✓			
BH3/0.5-0.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH4/0.1-0.2	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BH5/0.15-0.25	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BH6/1-1.1	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BH7/0-0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BH1A/0.15-0.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BH3/1-1.1	✓	✓	✓				✓		✓			
BH4/0.5-0.6	✓	✓	✓				✓		✓			
BH5/1.0-1.1	✓	✓	✓				✓			✓	✓	
BH6/1.4-1.5	✓	✓	✓				✓					
BD2 190917	✓	✓	✓				✓					
TB	✓											
TS	✓											
BH6/1.9-2.0												✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

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CERTIFICATE OF ANALYSIS 226761-A

Client Details

Client	Douglas Partners Pty Ltd
Attention	David Holden, Chamali Nagodavithane
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.00, Redfern**
Number of Samples	19 soil
Date samples received	24/09/2019
Date completed instructions received	24/09/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	04/10/2019
Date of Issue	04/12/2019
Reissue Details	This report replaces R00 created on 04/10/2019 due to: Sample ID Amended (Client Request)

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
Jaimie Loa-Kum-Cheung, Metals Supervisor
Josh Williams, Senior Chemist
Loren Bardwell, Senior Chemist
Steven Luong, Organics Supervisor

Authorised By

Nancy Zhang, Laboratory Manager

Acid Extractable metals in soil			
Our Reference		226761-A-20	226761-A-21
Your Reference	UNITS	BH6/1.4-1.5 (Repeat 1)	BH6/1.4-1.5 (Repeat 2)
Date Sampled		17/09/2019	17/09/2019
Type of sample		soil	soil
Date prepared	-	01/10/2019	01/10/2019
Date analysed	-	01/10/2019	01/10/2019
Lead	mg/kg	12	140

Moisture			
Our Reference		226761-A-20	226761-A-21
Your Reference	UNITS	BH6/1.4-1.5 (Repeat 1)	BH6/1.4-1.5 (Repeat 2)
Date Sampled		17/09/2019	17/09/2019
Type of sample		soil	soil
Date prepared	-	30/09/2019	30/09/2019
Date analysed	-	01/10/2019	01/10/2019
Moisture	%	17	9.8

Metals in TCLP USEPA1311						
Our Reference		226761-A-2	226761-A-4	226761-A-5	226761-A-7	226761-A-8
Your Reference	UNITS	BH2/0.15-0.25	BH3/0.5-0.6	BH4/0.1-0.2	BH6/1-1.1	BH7/0.5-0.6
Date Sampled		19/09/2019	20/09/2019	23/09/2019	18/09/2019	17/09/2019
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	02/10/2019	02/10/2019	02/10/2019	02/10/2019	02/10/2019
Date analysed	-	02/10/2019	02/10/2019	02/10/2019	02/10/2019	02/10/2019
pH of soil for fluid# determ.	pH units	9.2	8.6	8.8	7.1	7.9
pH of soil TCLP (after HCl)	pH units	1.7	1.8	1.8	1.7	2.7
Extraction fluid used	-	1	1	1	1	1
pH of final Leachate	pH units	5.2	5.1	5.1	5.1	5.8
Lead in TCLP	mg/L	0.36	0.39	0.46	11	2.7

Metals in TCLP USEPA1311			
Our Reference		226761-A-10	226761-A-13
Your Reference	UNITS	BH3/1-1.1	BH6/1.4-1.5
Date Sampled		20/09/2019	17/09/2019
Type of sample		soil	soil
Date extracted	-	02/10/2019	02/10/2019
Date analysed	-	02/10/2019	02/10/2019
pH of soil for fluid# determ.	pH units	7.9	6.4
pH of soil TCLP (after HCl)	pH units	1.8	1.7
Extraction fluid used	-	1	1
pH of final Leachate	pH units	5.1	5.0
Lead in TCLP	mg/L	20	34

PAHs in TCLP (USEPA 1311)				
Our Reference		226761-A-2	226761-A-4	226761-A-5
Your Reference	UNITS	BH2/0.15-0.25	BH3/0.5-0.6	BH4/0.1-0.2
Date Sampled		19/09/2019	20/09/2019	23/09/2019
Type of sample		soil	soil	soil
Date extracted	-	02/10/2019	02/10/2019	02/10/2019
Date analysed	-	03/10/2019	03/10/2019	03/10/2019
Naphthalene in TCLP	mg/L	<0.001	0.002	<0.001
Acenaphthylene in TCLP	mg/L	<0.001	0.002	<0.001
Acenaphthene in TCLP	mg/L	<0.001	<0.001	<0.001
Fluorene in TCLP	mg/L	<0.001	<0.001	<0.001
Phenanthrene in TCLP	mg/L	<0.001	0.002	<0.001
Anthracene in TCLP	mg/L	<0.001	<0.001	<0.001
Fluoranthene in TCLP	mg/L	<0.001	<0.001	<0.001
Pyrene in TCLP	mg/L	<0.001	<0.001	<0.001
Benzo(a)anthracene in TCLP	mg/L	<0.001	<0.001	<0.001
Chrysene in TCLP	mg/L	<0.001	<0.001	<0.001
Benzo(bjk)fluoranthene in TCLP	mg/L	<0.002	<0.002	<0.002
Benzo(a)pyrene in TCLP	mg/L	<0.001	<0.001	<0.001
Indeno(1,2,3-c,d)pyrene - TCLP	mg/L	<0.001	<0.001	<0.001
Dibenzo(a,h)anthracene in TCLP	mg/L	<0.001	<0.001	<0.001
Benzo(g,h,i)perylene in TCLP	mg/L	<0.001	<0.001	<0.001
Total +ve PAH's	mg/L	NIL (+)VE	0.0059	NIL (+)VE
Surrogate p-Terphenyl-d14	%	78	85	73

sTPH in Soil (C10-C40)-Silica			
Our Reference		226761-A-4	226761-A-5
Your Reference	UNITS	BH3/0.5-0.6	BH4/0.1-0.2
Date Sampled		20/09/2019	23/09/2019
Type of sample		soil	soil
Date extracted	-	30/09/2019	30/09/2019
Date analysed	-	30/09/2019	30/09/2019
TPH C_{10} - C_{14}	mg/kg	260	280
TPH C_{15} - C_{28}	mg/kg	4,700	780
TPH C_{29} - C_{36}	mg/kg	1,900	2,000
TPH >C_{10} -C_{16}	mg/kg	450	120
TPH >C_{16} -C_{34}	mg/kg	5,900	2,100
TPH >C_{34} -C_{40}	mg/kg	740	1,400
Surrogate o-Terphenyl	%	#	96

Metals-ASLP Neutral (ICP-MS)					
Our Reference	UNITS	226761-A-4	226761-A-5	226761-A-8	226761-A-13
Your Reference		BH3/0.5-0.6	BH4/0.1-0.2	BH7/0.5-0.6	BH6/1.4-1.5
Date Sampled		20/09/2019	23/09/2019	17/09/2019	17/09/2019
Type of sample		soil	soil	soil	soil
Date extracted	-	04/10/2019	04/10/2019	04/10/2019	04/10/2019
Date analysed	-	04/10/2019	04/10/2019	04/10/2019	04/10/2019
pH of final Leachate	pH units	8.6	8.5	7.8	7.0
Arsenic in ASLP	µg/L	8	4	25	3
Cadmium in ASLP	µg/L	0.2	0.3	<0.1	<0.1
Chromium in ASLP	µg/L	25	3	4	18
Copper in ASLP	µg/L	79	13	12	29
Lead in ASLP	µg/L	570	130	55	2,100
Mercury in ASLP	µg/L	0.5	0.09	<0.05	<0.05
Nickel in ASLP	µg/L	9	2	<1	9
Zinc in ASLP	µg/L	490	160	35	170

PAHs in water leach			
Our Reference		226761-A-4	226761-A-5
Your Reference	UNITS	BH3/0.5-0.6	BH4/0.1-0.2
Date Sampled		20/09/2019	23/09/2019
Type of sample		soil	soil
Date extracted	-	02/10/2019	02/10/2019
Date analysed	-	03/10/2019	03/10/2019
Naphthalene in ASLP	mg/L	0.002	<0.001
Acenaphthylene in ASLP	mg/L	0.003	<0.001
Acenaphthene in ASLP	mg/L	<0.001	<0.001
Fluorene in ASLP	mg/L	0.001	<0.001
Phenanthrene in ASLP	mg/L	0.006	<0.001
Anthracene in ASLP	mg/L	0.001	<0.001
Fluoranthene in ASLP	mg/L	0.006	<0.001
Pyrene in ASLP	mg/L	0.006	<0.001
Benzo(a)anthracene in ASLP	mg/L	0.002	<0.001
Chrysene in ASLP	mg/L	0.002	<0.001
Benzo(bjk)fluoranthene in ASLP	mg/L	0.003	<0.002
Benzo(a)pyrene in ASLP	mg/L	0.002	<0.001
Indeno(1,2,3-c,d)pyrene - ASLP	mg/L	0.001	<0.001
Dibenzo(a,h)anthracene in ASLP	mg/L	<0.001	<0.001
Benzo(g,h,i)perylene in ASLP	mg/L	0.002	<0.001
Surrogate p-Terphenyl-d_{14}	%	76	83

Method ID	Methodology Summary
EXTRACT.7	Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction (zHE) using AS4439 and USEPA 1311.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-004	Toxicity Characteristic Leaching Procedure (TCLP) using in house method INORG-004. Please note that the mass used may be scaled down from the default based on sample mass available.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Metals-020	Determination of various metals by ICP-AES.
Metals-020 ICP-AES	Determination of various metals by ICP-AES.
Metals-021 ASLP	Determination of Mercury by Cold Vapour AAS following neutral water leaching by AS 4439.3 - 1997.
Metals-022	Determination of various metals by ICP-MS following leaching using neutralised deionised water by AS 4439.3 - 1997.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-012/017	Leachates are extracted with Dichloromethane and analysed by GC-MS and/or GC-MS/MS.
Org-012/017 ASLP	ASLP Leachates are extracted with Dichloromethane and analysed by GC-MS and/or GC-MS/MS.

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date prepared	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	113	[NT]

QUALITY CONTROL: Metals in TCLP USEPA1311						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			02/10/2019	2	02/10/2019	02/10/2019		02/10/2019	[NT]
Date analysed	-			02/10/2019	2	02/10/2019	02/10/2019		02/10/2019	[NT]
Lead in TCLP	mg/L	0.03	Metals-020 ICP-AES	<0.03	2	0.36	0.2	57	106	[NT]

QUALITY CONTROL: PAHs in TCLP (USEPA 1311)						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			02/10/2019	2	02/10/2019	02/10/2019		02/10/2019	[NT]
Date analysed	-			03/10/2019	2	03/10/2019	03/10/2019		03/10/2019	[NT]
Naphthalene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	120	[NT]
Acenaphthylene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	[NT]	[NT]
Acenaphthene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	[NT]	[NT]
Fluorene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	100	[NT]
Phenanthrene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	94	[NT]
Anthracene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	[NT]	[NT]
Fluoranthene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	92	[NT]
Pyrene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	98	[NT]
Benzo(a)anthracene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	[NT]	[NT]
Chrysene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	94	[NT]
Benzo(bjk)fluoranthene in TCLP	mg/L	0.002	Org-012/017	<0.002	2	<0.002	<0.002	0	[NT]	[NT]
Benzo(a)pyrene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	86	[NT]
Indeno(1,2,3-c,d)pyrene - TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	[NT]	[NT]
Dibenzo(a,h)anthracene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	[NT]	[NT]
Benzo(g,h,i)perylene in TCLP	mg/L	0.001	Org-012/017	<0.001	2	<0.001	<0.001	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	98	2	78	94	19	96	[NT]

QUALITY CONTROL: sTPH in Soil (C10-C40)-Silica						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date extracted	-			30/09/2019	[NT]	[NT]	[NT]	[NT]	30/09/2019	[NT]
Date analysed	-			30/09/2019	[NT]	[NT]	[NT]	[NT]	30/09/2019	[NT]
TPH C_{10} - C_{14}	mg/kg	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	81	[NT]
TPH C_{15} - C_{28}	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	75	[NT]
TPH C_{29} - C_{36}	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	78	[NT]
TPH >C_{10} -C_{16}	mg/kg	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	81	[NT]
TPH >C_{16} -C_{34}	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	75	[NT]
TPH >C_{34} -C_{40}	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	78	[NT]
Surrogate o-Terphenyl	%		Org-003	86	[NT]	[NT]	[NT]	[NT]	82	[NT]

QUALITY CONTROL: Metals-ASLP Neutral (ICP-MS)					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			04/10/2019	[NT]	[NT]	[NT]	[NT]	04/10/2019	[NT]
Date analysed	-			04/10/2019	[NT]	[NT]	[NT]	[NT]	04/10/2019	[NT]
Arsenic in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Cadmium in ASLP	µg/L	0.1	Metals-022	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Chromium in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Copper in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Lead in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Mercury in ASLP	µg/L	0.05	Metals-021 ASLP	<0.05	[NT]	[NT]	[NT]	[NT]	107	[NT]
Nickel in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Zinc in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]

QUALITY CONTROL: PAHs in water leach						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			02/10/2019	[NT]	[NT]	[NT]	[NT]	02/10/2019	[NT]
Date analysed	-			03/10/2019	[NT]	[NT]	[NT]	[NT]	03/10/2019	[NT]
Naphthalene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	120	[NT]
Acenaphthylene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	100	[NT]
Phenanthrene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	94	[NT]
Anthracene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	92	[NT]
Pyrene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	98	[NT]
Benzo(a)anthracene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	94	[NT]
Benzo(bjk)fluoranthene in ASLP	mg/L	0.002	Org-012/017 ASLP	<0.002	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	86	[NT]
Indeno(1,2,3-c,d)pyrene - ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene in ASLP	mg/L	0.001	Org-012/017 ASLP	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d_{14}	%		Org-012/017 ASLP	98	[NT]	[NT]	[NT]	[NT]	96	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Metals in TCLP USEPA1311 - The duplicate result is greater than the acceptable RPD. The RPD for duplicate results is accepted due to the inhomogeneous
nature of the sample/s. Repeat analysis is not required as TCLP results are less than 20 times the corresponding soil results in mg/kg.

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CERTIFICATE OF ANALYSIS 226761-B

Client Details

Client	Douglas Partners Pty Ltd
Attention	Chamali Nagodavithane
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.00, Redfern**
Number of Samples	17 soil
Date samples received	24/09/2019
Date completed instructions received	30/09/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

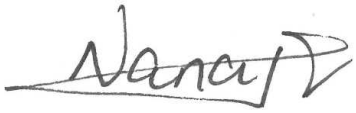
Date results requested by	08/10/2019
Date of Issue	03/10/2019

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Results Approved By
Jaimie Loa-Kum-Cheung, Metals Supervisor
Josh Williams, Chemist

Authorised By



Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil		
Our Reference		226761-B-17
Your Reference	UNITS	BH6/1.9-2.0
Date Sampled		17/09/2019
Type of sample		soil
Date extracted	-	01/10/2019
Date analysed	-	02/10/2019
TRH C_6 - C_9	mg/kg	<25
TRH C_6 - C_{10}	mg/kg	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25
Benzene	mg/kg	<0.2
Toluene	mg/kg	<0.5
Ethylbenzene	mg/kg	<1
m+p-xylene	mg/kg	<2
o-Xylene	mg/kg	<1
naphthalene	mg/kg	<1
Total +ve Xylenes	mg/kg	<3
Surrogate aaa-Trifluorotoluene	%	88

svTRH (C10-C40) in Soil		
Our Reference		226761-B-17
Your Reference	UNITS	BH6/1.9-2.0
Date Sampled		17/09/2019
Type of sample		soil
Date extracted	-	01/10/2019
Date analysed	-	02/10/2019
TRH C_{10} - C_{14}	mg/kg	<50
TRH C_{15} - C_{28}	mg/kg	<100
TRH C_{29} - C_{36}	mg/kg	<100
TRH >C_{10} -C_{16}	mg/kg	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50
TRH >C_{16} -C_{34}	mg/kg	<100
TRH >C_{34} -C_{40}	mg/kg	<100
Total +ve TRH (>C10-C40)	mg/kg	<50
Surrogate o-Terphenyl	%	76

PAHs in Soil		
Our Reference		226761-B-17
Your Reference	UNITS	BH6/1.9-2.0
Date Sampled		17/09/2019
Type of sample		soil
Date extracted	-	01/10/2019
Date analysed	-	01/10/2019
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	<0.1
Acenaphthene	mg/kg	<0.1
Fluorene	mg/kg	<0.1
Phenanthrene	mg/kg	0.2
Anthracene	mg/kg	<0.1
Fluoranthene	mg/kg	0.4
Pyrene	mg/kg	0.4
Benzo(a)anthracene	mg/kg	0.2
Chrysene	mg/kg	0.2
Benzo(b,j+k)fluoranthene	mg/kg	0.3
Benzo(a)pyrene	mg/kg	0.1
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1
Total +ve PAH's	mg/kg	1.8
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5
Surrogate p-Terphenyl-d14	%	95

Acid Extractable metals in soil		
Our Reference		226761-B-17
Your Reference	UNITS	BH6/1.9-2.0
Date Sampled		17/09/2019
Type of sample		soil
Date prepared	-	01/10/2019
Date analysed	-	01/10/2019
Arsenic	mg/kg	<4
Cadmium	mg/kg	<0.4
Chromium	mg/kg	20
Copper	mg/kg	9
Lead	mg/kg	2,500
Mercury	mg/kg	<0.1
Nickel	mg/kg	3
Zinc	mg/kg	130

Moisture		
Our Reference		226761-B-17
Your Reference	UNITS	BH6/1.9-2.0
Date Sampled		17/09/2019
Type of sample		soil
Date prepared	-	01/10/2019
Date analysed	-	02/10/2019
Moisture	%	19

Method ID	Methodology Summary
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

Method ID	Methodology Summary
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date extracted	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			02/10/2019	[NT]	[NT]	[NT]	[NT]	02/10/2019	[NT]
TRH C_6 - C_9	mg/kg	25	Org-016	<25	[NT]	[NT]	[NT]	[NT]	105	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-016	<25	[NT]	[NT]	[NT]	[NT]	105	[NT]
Benzene	mg/kg	0.2	Org-016	<0.2	[NT]	[NT]	[NT]	[NT]	110	[NT]
Toluene	mg/kg	0.5	Org-016	<0.5	[NT]	[NT]	[NT]	[NT]	98	[NT]
Ethylbenzene	mg/kg	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
m+p-xylene	mg/kg	2	Org-016	<2	[NT]	[NT]	[NT]	[NT]	107	[NT]
o-Xylene	mg/kg	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	108	[NT]
naphthalene	mg/kg	1	Org-014	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	88	[NT]	[NT]	[NT]	[NT]	94	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date extracted	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	126	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	97	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	91	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	126	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	97	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	91	[NT]
Surrogate o-Terphenyl	%		Org-003	86	[NT]	[NT]	[NT]	[NT]	111	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date extracted	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Naphthalene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	106	[NT]
Acenaphthylene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Phenanthrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	90	[NT]
Pyrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012	<0.05	[NT]	[NT]	[NT]	[NT]	96	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	97	[NT]	[NT]	[NT]	[NT]	99	[NT]

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date prepared	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Arsenic	mg/kg	4	Metals-020	<4	[NT]	[NT]	[NT]	[NT]	108	[NT]
Cadmium	mg/kg	0.4	Metals-020	<0.4	[NT]	[NT]	[NT]	[NT]	107	[NT]
Chromium	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	113	[NT]
Copper	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	113	[NT]
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	112	[NT]
Mercury	mg/kg	0.1	Metals-021	<0.1	[NT]	[NT]	[NT]	[NT]	79	[NT]
Nickel	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	108	[NT]
Zinc	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	114	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

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CERTIFICATE OF ANALYSIS 226761-C

Client Details

Client	Douglas Partners Pty Ltd
Attention	David Holden
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.00, Redfern**
Number of Samples	17 soil
Date samples received	24/09/2019
Date completed instructions received	04/10/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	14/10/2019
Date of Issue	05/12/2019
Reissue Details	This report replaces R00 created on 14/10/2019 due to: revised report with additional results - dup and trip

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Results Approved By
Jaimie Loa-Kum-Cheung, Metals Supervisor
Loren Bardwell, Senior Chemist

Authorised By

Nancy Zhang, Laboratory Manager

Acid Extractable metals in soil		
Our Reference		226761-C-17
Your Reference	UNITS	BH6/1.9-2.0
Date Sampled		17/09/2019
Type of sample		soil
Date prepared	-	08/10/2019
Date analysed	-	08/10/2019
Lead	mg/kg	2,900

Metals-ASLP Neutral (ICP-MS)				
Our Reference	UNITS	226761-C-7	226761-C-10	226761-C-17
Your Reference		BH6/1-1.1	BH3/1-1.1	BH6/1.9-2.0
Date Sampled		18/09/2019	20/09/2019	17/09/2019
Type of sample		soil	soil	soil
Date extracted	-	10/10/2019	10/10/2019	10/10/2019
Date analysed	-	10/10/2019	10/10/2019	10/10/2019
pH of final Leachate	pH units	6.7	8.2	6.4
Arsenic in ASLP	µg/L	3	2	<1
Cadmium in ASLP	µg/L	0.2	<0.1	0.1
Chromium in ASLP	µg/L	7	6	1
Copper in ASLP	µg/L	66	22	<1
Lead in ASLP	µg/L	1,700	580	330
Mercury in ASLP	µg/L	0.4	0.2	<0.05
Nickel in ASLP	µg/L	4	2	<1
Zinc in ASLP	µg/L	410	63	34

Metals in TCLP USEPA1311			
Our Reference		226761-C-17	226761-C-20
Your Reference	UNITS	BH6/1.9-2.0	BH6/1.9-2.0 - [TRIPLICATE]
Date Sampled		17/09/2019	17/09/2019
Type of sample		soil	soil
Date extracted	-	08/10/2019	08/10/2019
Date analysed	-	08/10/2019	08/10/2019
pH of soil for fluid# determ.	pH units	6.4	[NT]
pH of soil TCLP (after HCl)	pH units	1.7	[NT]
Extraction fluid used	-	1	[NT]
pH of final Leachate	pH units	5.0	[NT]
Lead in TCLP	mg/L	62	50

Method ID	Methodology Summary
EXTRACT.7	Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction (zHE) using AS4439 and USEPA 1311.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-004	Toxicity Characteristic Leaching Procedure (TCLP) using in house method INORG-004. Please note that the mass used may be scaled down from the default based on sample mass available.
Metals-020	Determination of various metals by ICP-AES.
Metals-020 ICP-AES	Determination of various metals by ICP-AES.
Metals-021 ASLP	Determination of Mercury by Cold Vapour AAS following neutral water leaching by AS 4439.3 - 1997.
Metals-022	Determination of various metals by ICP-MS following leaching using neutralised deionised water by AS 4439.3 - 1997.

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			08/10/2019	17	08/10/2019	08/10/2019		08/10/2019	[NT]
Date analysed	-			08/10/2019	17	08/10/2019	08/10/2019		08/10/2019	[NT]
Lead	mg/kg	1	Metals-020	<1	17	2900	2600	11	112	[NT]

QUALITY CONTROL: Metals-ASLP Neutral (ICP-MS)						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			10/10/2019	[NT]	[NT]	[NT]	[NT]	10/10/2019	[NT]
Date analysed	-			10/10/2019	[NT]	[NT]	[NT]	[NT]	10/10/2019	[NT]
Arsenic in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Cadmium in ASLP	µg/L	0.1	Metals-022	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Chromium in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	95	[NT]
Copper in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Lead in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Mercury in ASLP	µg/L	0.05	Metals-021 ASLP	<0.05	[NT]	[NT]	[NT]	[NT]	91	[NT]
Nickel in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Zinc in ASLP	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	98	[NT]

QUALITY CONTROL: Metals in TCLP USEPA1311						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			08/10/2019	17	08/10/2019	08/10/2019		08/10/2019	[NT]
Date analysed	-			08/10/2019	17	08/10/2019	08/10/2019		08/10/2019	[NT]
Lead in TCLP	mg/L	0.03	Metals-020 ICP-AES	<0.03	17	62	50	21	94	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Metals in TCLP USEPA1311 - A triplicate result has been issued as laboratory sample number 226761-C-20 for sample #17.

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CERTIFICATE OF ANALYSIS 227156

Client Details

Client	Douglas Partners Pty Ltd
Attention	Chamali Nagodavithane
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.00, Redfern**
Number of Samples	10 soil
Date samples received	27/09/2019
Date completed instructions received	27/09/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

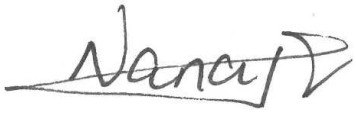
Date results requested by	04/10/2019
Date of Issue	02/10/2019

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Results Approved By
Jaimie Loa-Kum-Cheung, Metals Supervisor
Josh Williams, Chemist

Authorised By



Nancy Zhang, Laboratory Manager

PAHs in Soil					
Our Reference		227156-2	227156-5	227156-6	227156-7
Your Reference	UNITS	BH2/1-1.1	BH3/1.5-1.6	BH4/1.4-1.5	BH5/1.5-1.6
Date Sampled		19/09/2019	20/09/2019	23/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil
Date extracted	-	30/09/2019	30/09/2019	30/09/2019	30/09/2019
Date analysed	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.2	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.4	0.2	<0.1
Pyrene	mg/kg	<0.1	0.4	0.2	<0.1
Benzo(a)anthracene	mg/kg	<0.1	0.2	0.1	<0.1
Chrysene	mg/kg	<0.1	0.2	0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	0.3	0.2	<0.2
Benzo(a)pyrene	mg/kg	0.06	0.2	0.1	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	0.1	0.1	<0.1
Total +ve PAH's	mg/kg	0.06	2.0	1.1	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	106	113	110	113

Acid Extractable metals in soil					
Our Reference		227156-2	227156-5	227156-6	227156-7
Your Reference	UNITS	BH2/1-1.1	BH3/1.5-1.6	BH4/1.4-1.5	BH5/1.5-1.6
Date Sampled		19/09/2019	20/09/2019	23/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil
Date prepared	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Date analysed	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Arsenic	mg/kg	<4	<4	<4	7
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	6	6	11	26
Copper	mg/kg	25	2	<1	2
Lead	mg/kg	90	17	9	16
Mercury	mg/kg	0.2	<0.1	<0.1	<0.1
Nickel	mg/kg	4	2	4	2
Zinc	mg/kg	130	6	16	10

Moisture					
Our Reference		227156-2	227156-5	227156-6	227156-7
Your Reference	UNITS	BH2/1-1.1	BH3/1.5-1.6	BH4/1.4-1.5	BH5/1.5-1.6
Date Sampled		19/09/2019	20/09/2019	23/09/2019	23/09/2019
Type of sample		soil	soil	soil	soil
Date prepared	-	30/09/2019	30/09/2019	30/09/2019	30/09/2019
Date analysed	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Moisture	%	10	11	18	23

Method ID	Methodology Summary
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-15	[NT]
Date extracted	-			30/09/2019	[NT]	[NT]	[NT]	[NT]	30/09/2019	[NT]
Date analysed	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Naphthalene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	110	[NT]
Acenaphthylene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Phenanthrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	110	[NT]
Anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	107	[NT]
Pyrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	109	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	108	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012	<0.05	[NT]	[NT]	[NT]	[NT]	114	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	120	[NT]	[NT]	[NT]	[NT]	104	[NT]

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-15	[NT]
Date prepared	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Arsenic	mg/kg	4	Metals-020	<4	[NT]	[NT]	[NT]	[NT]	101	[NT]
Cadmium	mg/kg	0.4	Metals-020	<0.4	[NT]	[NT]	[NT]	[NT]	99	[NT]
Chromium	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	108	[NT]
Copper	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	110	[NT]
Mercury	mg/kg	0.1	Metals-021	<0.1	[NT]	[NT]	[NT]	[NT]	80	[NT]
Nickel	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Zinc	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	107	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
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Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Douglas Partners
Geotechnics | Environment | Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	86852.00	**Suburb:**	Redfern	**To:**	EnviroLab
Project Name:	Detailed Site Investigation	**Order Number**			12 Ashley Street, Chatswood 2067
Project Manager:	DH	**Sampler:**	CLN / NB	**Attn:**	Aileen Hie
Emails:	chamali.nagodavithane@douglaspartners.com.au			**Phone:**	(02) 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ✓			**Email:**	Ahie@envirolab.com.au
Prior Storage:	☐ Esky ✓ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Date Sampled	Sample Type (S - soil, W - water)	Container Type (G - glass, P - plastic)	Analytes: PAH	Metals	On Hold							Notes/preservation
BH1/1-1.1	1	17/09/19	S	G			x							
BH2/1-1.1	2	19/09/19	S	G	x	x								
BH2/1.5-1.6	3	19/09/19	S	G			x							
BH2/2-2.1	4	19/09/19	S	G			x							
BH3/1.5-1.6	5	20/09/19	S	G	x	x								
BH4/1.4-1.5	6	23/09/19	S	G	x	x								
BH5/1.5-1.6	7	23/09/19	S	G	x	x								
BH5/2-2.1	8	23/09/19	S	G			x							
BH6/0.15-0.3	9	17/09/19	S	G			x							
BD4/20092019	10	20/09/19	S	G			x							
PQL (S) mg/kg														

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 227156
Date Received: 27/9/19
Time Received: 13:37
Received by: SM
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No: 227156

Total number of samples in container: 10 | **Relinquished by:** DIH | **Transported to laboratory by:** Bonds

Send Results to: Douglas Partners Pty Ltd | **Address** 96 hermitage Rd | **Phone:** | **Fax:**

Signed: 27/9/19, 12:45 | **Received by:** | **Date & Time:** 13:37 27/9/19

Envirolab Services Pty Ltd
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customerservice@envirolab.com.au
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CERTIFICATE OF ANALYSIS 227289

Client Details

Client	Douglas Partners Pty Ltd
Attention	David Holden
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.01, Redfern**
Number of Samples	6 Water, 1 Material
Date samples received	30/09/2019
Date completed instructions received	30/09/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	08/10/2019
Date of Issue	04/10/2019

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Asbestos Approved By
Analysed by Asbestos Approved Identifier: Wonnie Condos
Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By
Diego Bigolin, Team Leader, Inorganics
Loren Bardwell, Senior Chemist
Lucy Zhu, Senior Asbestos Analyst
Nick Sarlamis, Inorganics Supervisor
Steven Luong, Organics Supervisor

Authorised By



Nancy Zhang, Laboratory Manager

VOCs in water			
Our Reference		227289-1	227289-2
Your Reference	UNITS	BH1/MW1	BH2/MW2
Date Sampled		27/09/2019	27/09/2019
Type of sample		Water	Water
Date extracted	-	02/10/2019	02/10/2019
Date analysed	-	03/10/2019	03/10/2019
Dichlorodifluoromethane	µg/L	<10	<10
Chloromethane	µg/L	<10	<10
Vinyl Chloride	µg/L	<10	<10
Bromomethane	µg/L	<10	<10
Chloroethane	µg/L	<10	<10
Trichlorofluoromethane	µg/L	<10	<10
1,1-Dichloroethene	µg/L	<1	<1
Trans-1,2-dichloroethene	µg/L	<1	<1
1,1-dichloroethane	µg/L	<1	<1
Cis-1,2-dichloroethene	µg/L	<1	<1
Bromochloromethane	µg/L	<1	<1
Chloroform	µg/L	<1	<1
2,2-dichloropropane	µg/L	<1	<1
1,2-dichloroethane	µg/L	<1	<1
1,1,1-trichloroethane	µg/L	<1	<1
1,1-dichloropropene	µg/L	<1	<1
Cyclohexane	µg/L	<1	<1
Carbon tetrachloride	µg/L	<1	<1
Benzene	µg/L	<1	<1
Dibromomethane	µg/L	<1	<1
1,2-dichloropropane	µg/L	<1	<1
Trichloroethene	µg/L	<1	<1
Bromodichloromethane	µg/L	<1	<1
trans-1,3-dichloropropene	µg/L	<1	<1
cis-1,3-dichloropropene	µg/L	<1	<1
1,1,2-trichloroethane	µg/L	<1	<1
Toluene	µg/L	<1	<1
1,3-dichloropropane	µg/L	<1	<1
Dibromochloromethane	µg/L	<1	<1
1,2-dibromoethane	µg/L	<1	<1
Tetrachloroethene	µg/L	<1	<1
1,1,1,2-tetrachloroethane	µg/L	<1	<1
Chlorobenzene	µg/L	<1	<1
Ethylbenzene	µg/L	<1	<1

VOCs in water			
Our Reference	UNITS	227289-1	227289-2
Your Reference		BH1/MW1	BH2/MW2
Date Sampled		27/09/2019	27/09/2019
Type of sample		Water	Water
Bromoform	µg/L	<1	<1
m+p-xylene	µg/L	<2	<2
Styrene	µg/L	<1	<1
1,1,2,2-tetrachloroethane	µg/L	<1	<1
o-xylene	µg/L	<1	<1
1,2,3-trichloropropane	µg/L	<1	<1
Isopropylbenzene	µg/L	<1	<1
Bromobenzene	µg/L	<1	<1
n-propyl benzene	µg/L	<1	<1
2-chlorotoluene	µg/L	<1	<1
4-chlorotoluene	µg/L	<1	<1
1,3,5-trimethyl benzene	µg/L	<1	<1
Tert-butyl benzene	µg/L	<1	<1
1,2,4-trimethyl benzene	µg/L	<1	<1
1,3-dichlorobenzene	µg/L	<1	<1
Sec-butyl benzene	µg/L	<1	<1
1,4-dichlorobenzene	µg/L	<1	<1
4-isopropyl toluene	µg/L	<1	<1
1,2-dichlorobenzene	µg/L	<1	<1
n-butyl benzene	µg/L	<1	<1
1,2-dibromo-3-chloropropane	µg/L	<1	<1
1,2,4-trichlorobenzene	µg/L	<1	<1
Hexachlorobutadiene	µg/L	<1	<1
1,2,3-trichlorobenzene	µg/L	<1	<1
Surrogate Dibromofluoromethane	%	104	106
Surrogate toluene-d8	%	97	99
Surrogate 4-BFB	%	97	97

vTRH(C6-C10)/BTEXN in Water						
Our Reference		227289-1	227289-2	227289-3	227289-4	227289-5
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3	BD1 190927	TS
Date Sampled		27/09/2019	27/09/2019	27/09/2019	27/09/2019	27/09/2019
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	02/10/2019	02/10/2019	02/10/2019	02/10/2019	02/10/2019
Date analysed	-	03/10/2019	03/10/2019	03/10/2019	03/10/2019	03/10/2019
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	[NA]
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	[NA]
TRH C_6 - C_{10} less BTEX (F1)	µg/L	<10	<10	<10	<10	[NA]
Benzene	µg/L	<1	<1	<1	<1	120%
Toluene	µg/L	<1	<1	<1	<1	109%
Ethylbenzene	µg/L	<1	<1	<1	<1	102%
m+p-xylene	µg/L	<2	<2	<2	<2	99%
o-xylene	µg/L	<1	<1	<1	<1	103%
Naphthalene	µg/L	<1	<1	<1	<1	[NA]
Surrogate Dibromofluoromethane	%	109	109	108	105	105
Surrogate toluene-d8	%	99	99	99	99	100
Surrogate 4-BFB	%	94	96	95	99	96

vTRH(C6-C10)/BTEXN in Water		
Our Reference		227289-6
Your Reference	UNITS	TB
Date Sampled		27/09/2019
Type of sample		Water
Date extracted	-	02/10/2019
Date analysed	-	03/10/2019
TRH C_6 - C_9	µg/L	<10
TRH C_6 - C_{10}	µg/L	<10
TRH C_6 - C_{10} less BTEX (F1)	µg/L	<10
Benzene	µg/L	<1
Toluene	µg/L	<1
Ethylbenzene	µg/L	<1
m+p-xylene	µg/L	<2
o-xylene	µg/L	<1
Naphthalene	µg/L	<1
Surrogate Dibromofluoromethane	%	106
Surrogate toluene-d8	%	99
Surrogate 4-BFB	%	95

svTRH (C10-C40) in Water					
Our Reference		227289-1	227289-2	227289-3	227289-4
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3	BD1 190927
Date Sampled		27/09/2019	27/09/2019	27/09/2019	27/09/2019
Type of sample		Water	Water	Water	Water
Date extracted	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Date analysed	-	02/10/2019	02/10/2019	02/10/2019	02/10/2019
TRH C_{10} - C_{14}	µg/L	840	<50	490	<50
TRH C_{15} - C_{28}	µg/L	2,000	<100	270	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100
TRH >C_{10} - C_{16}	µg/L	1,900	<50	710	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	1,900	<50	710	<50
TRH >C_{16} - C_{34}	µg/L	1,100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100
Surrogate o-Terphenyl	%	#	108	108	106

PAHs in Water - Low Level					
Our Reference	UNITS	227289-1	227289-2	227289-3	227289-4
Your Reference		BH1/MW1	BH2/MW2	BH3/MW3	BD1 190927
Date Sampled		27/09/2019	27/09/2019	27/09/2019	27/09/2019
Type of sample		Water	Water	Water	Water
Date extracted	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Date analysed	-	02/10/2019	02/10/2019	02/10/2019	02/10/2019
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	73	80	96	96

OCP in water - Trace level			
Our Reference	UNITS	227289-1	227289-2
Your Reference		BH1/MW1	BH2/MW2
Date Sampled		27/09/2019	27/09/2019
Type of sample		Water	Water
Date extracted	-	01/10/2019	01/10/2019
Date analysed	-	02/10/2019	02/10/2019
alpha-BHC	µg/L	<0.001	<0.001
HCB	µg/L	<0.001	<0.001
beta-BHC	µg/L	<0.001	<0.001
gamma-BHC	µg/L	<0.001	<0.001
Heptachlor	µg/L	<0.001	<0.001
delta-BHC	µg/L	<0.001	<0.001
Aldrin	µg/L	<0.001	<0.001
Heptachlor Epoxide	µg/L	<0.001	<0.001
gamma-Chlordane	µg/L	<0.001	<0.001
alpha-Chlordane	µg/L	<0.001	<0.001
Endosulfan I	µg/L	<0.002	<0.002
pp-DDE	µg/L	<0.001	<0.001
Dieldrin	µg/L	<0.001	<0.001
Endrin	µg/L	<0.001	<0.001
Endosulfan II	µg/L	<0.002	<0.002
pp-DDD	µg/L	<0.001	<0.001
Endrin Aldehyde	µg/L	<0.001	<0.001
pp-DDT	µg/L	<0.001	<0.001
Endosulfan Sulphate	µg/L	<0.001	<0.001
Methoxychlor	µg/L	<0.001	<0.001
Surrogate TCMX	%	70	80

OP in water Trace ANZECCF/ADWG			
Our Reference	UNITS	227289-1	227289-2
Your Reference		BH1/MW1	BH2/MW2
Date Sampled		27/09/2019	27/09/2019
Type of sample		Water	Water
Date extracted	-	01/10/2019	01/10/2019
Date analysed	-	02/10/2019	02/10/2019
Dimethoate	µg/L	<0.15	<0.15
Chlorpyriphos-methyl	µg/L	<0.2	<0.2
Ronnel	µg/L	<0.2	<0.2
Fenitrothion	µg/L	<0.2	<0.2
Malathion	µg/L	<0.05	<0.05
Chlorpyriphos	µg/L	<0.009	<0.009
Bromophos ethyl	µg/L	<0.2	<0.2
Ethion	µg/L	<0.2	<0.2
Diazinon	µg/L	<0.01	<0.01
Azinphos-methyl (Guthion)	µg/L	<0.02	<0.02
Dichlorovos	µg/L	<0.2	<0.2
Parathion	µg/L	<0.004	<0.004
Methyl Parathion	µg/L	<0.2	<0.2
Surrogate TCMX	%	70	80

PCBs in Water - Trace Level			
Our Reference	UNITS	227289-1	227289-2
Your Reference		BH1/MW1	BH2/MW2
Date Sampled		27/09/2019	27/09/2019
Type of sample		Water	Water
Date extracted	-	01/10/2019	01/10/2019
Date analysed	-	02/10/2019	02/10/2019
Aroclor 1016	µg/L	<0.01	<0.01
Aroclor 1221	µg/L	<0.01	<0.01
Aroclor 1232	µg/L	<0.01	<0.01
Aroclor 1242	µg/L	<0.01	<0.01
Aroclor 1248	µg/L	<0.01	<0.01
Aroclor 1254	µg/L	<0.01	<0.01
Aroclor 1260	µg/L	<0.01	<0.01
Surrogate TCMX	%	70	80

Total Phenolics in Water					
Our Reference		227289-1	227289-2	227289-3	227289-4
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3	BD1 190927
Date Sampled		27/09/2019	27/09/2019	27/09/2019	27/09/2019
Type of sample		Water	Water	Water	Water
Date extracted	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Date analysed	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Total Phenolics (as Phenol)	mg/L	<0.05	<0.05	<0.05	<0.05

HM in water - dissolved					
Our Reference	UNITS	227289-1	227289-2	227289-3	227289-4
Your Reference		BH1/MW1	BH2/MW2	BH3/MW3	BD1 190927
Date Sampled		27/09/2019	27/09/2019	27/09/2019	27/09/2019
Type of sample		Water	Water	Water	Water
Date prepared	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Date analysed	-	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Arsenic-Dissolved	µg/L	1	5	2	1
Cadmium-Dissolved	µg/L	<0.1	<0.1	<0.1	<0.1
Chromium-Dissolved	µg/L	<1	3	<1	<1
Copper-Dissolved	µg/L	<1	3	1	<1
Lead-Dissolved	µg/L	<1	<1	<1	<1
Mercury-Dissolved	µg/L	<0.05	<0.05	<0.05	<0.05
Nickel-Dissolved	µg/L	8	11	4	8
Zinc-Dissolved	µg/L	11	20	2	11

Miscellaneous Inorganics		
Our Reference		227289-3
Your Reference	UNITS	BH3/MW3
Date Sampled		27/09/2019
Type of sample		Water
Date prepared	-	30/09/2019
Date analysed	-	30/09/2019
pH	pH Units	7.3
Electrical Conductivity	µS/cm	1,100

Asbestos ID - materials		
Our Reference		227289-7
Your Reference	UNITS	PACM 1
Date Sampled		27/09/2019
Type of sample		Material
Date analysed	-	02/10/2019
Mass / Dimension of Sample	-	53x25x5mm
Sample Description	-	Beige fibre cement material
Asbestos ID in materials	-	Chrysotile asbestos detected Crocidolite asbestos detected

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-012/017	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS.
Org-012/017	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-013	Water samples are analysed directly by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: VOCs in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			02/10/2019	[NT]	[NT]	[NT]	[NT]	02/10/2019	[NT]
Date analysed	-			03/10/2019	[NT]	[NT]	[NT]	[NT]	03/10/2019	[NT]
Dichlorodifluoromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromomethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroform	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
2,2-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	98	[NT]
1,1,1-trichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]
1,1-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Cyclohexane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromomethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Bromodichloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Toluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	89	[NT]
1,2-dibromoethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	89	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromoform	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
m+p-xylene	µg/L	2	Org-013	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Styrene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]

QUALITY CONTROL: VOCs in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
o-xylene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-013	109	[NT]	[NT]	[NT]	[NT]	108	[NT]
Surrogate toluene-d8	%		Org-013	99	[NT]	[NT]	[NT]	[NT]	99	[NT]
Surrogate 4-BFB	%		Org-013	97	[NT]	[NT]	[NT]	[NT]	95	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			02/10/2019	3	02/10/2019	03/10/2019		02/10/2019	[NT]
Date analysed	-			03/10/2019	3	03/10/2019	04/10/2019		03/10/2019	[NT]
TRH C_6 - C_9	µg/L	10	Org-016	<10	3	<10	<10	0	91	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-016	<10	3	<10	<10	0	91	[NT]
Benzene	µg/L	1	Org-016	<1	3	<1	<1	0	96	[NT]
Toluene	µg/L	1	Org-016	<1	3	<1	<1	0	94	[NT]
Ethylbenzene	µg/L	1	Org-016	<1	3	<1	<1	0	88	[NT]
m+p-xylene	µg/L	2	Org-016	<2	3	<2	<2	0	89	[NT]
o-xylene	µg/L	1	Org-016	<1	3	<1	<1	0	88	[NT]
Naphthalene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-016	109	3	108	107	1	108	[NT]
Surrogate toluene-d8	%		Org-016	99	3	99	98	1	99	[NT]
Surrogate 4-BFB	%		Org-016	97	3	95	96	1	95	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			02/10/2019	[NT]	[NT]	[NT]	[NT]	02/10/2019	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	80	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	70	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	113	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	80	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	70	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	113	[NT]
Surrogate o-Terphenyl	%		Org-003	91	[NT]	[NT]	[NT]	[NT]	87	[NT]

QUALITY CONTROL: PAHs in Water - Low Level						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			02/10/2019	[NT]	[NT]	[NT]	[NT]	02/10/2019	[NT]
Naphthalene	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	106	[NT]
Acenaphthylene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	118	[NT]
Phenanthrene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	128	[NT]
Anthracene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	112	[NT]
Pyrene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	110	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	116	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	122	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	109	[NT]	[NT]	[NT]	[NT]	96	[NT]

QUALITY CONTROL: OCP in water - Trace level						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	
Date extracted	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			02/10/2019	[NT]	[NT]	[NT]	[NT]	02/10/2019	[NT]
alpha-BHC	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	126	[NT]
HCB	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	124	[NT]
gamma-BHC	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	128	[NT]
delta-BHC	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	124	[NT]
Heptachlor Epoxide	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	130	[NT]
gamma-Chlordane	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-Chlordane	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	µg/L	0.002	Org-012/017	<0.002	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	128	[NT]
Dieldrin	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	130	[NT]
Endrin	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	132	[NT]
Endosulfan II	µg/L	0.002	Org-012/017	<0.002	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	132	[NT]
Endrin Aldehyde	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	130	[NT]
Methoxychlor	µg/L	0.001	Org-012/017	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	106	[NT]	[NT]	[NT]	[NT]	99	[NT]

QUALITY CONTROL: OP in water Trace ANZECCF/ADWG						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	
Date extracted	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			02/10/2019	[NT]	[NT]	[NT]	[NT]	02/10/2019	[NT]
Dimethoate	µg/L	0.15	Org-012/017	<0.15	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorpyriphos-methyl	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ronnel	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	70	[NT]
Fenitrothion	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	111	[NT]
Malathion	µg/L	0.05	Org-012/017	<0.05	[NT]	[NT]	[NT]	[NT]	78	[NT]
Chlorpyriphos	µg/L	0.009	Org-012/017	<0.009	[NT]	[NT]	[NT]	[NT]	116	[NT]
Bromophos ethyl	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethion	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	129	[NT]
Diazinon	µg/L	0.01	Org-012/017	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Azinphos-methyl (Guthion)	µg/L	0.02	Org-012/017	<0.02	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dichlorovos	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	70	[NT]
Parathion	µg/L	0.004	Org-012/017	<0.004	[NT]	[NT]	[NT]	[NT]	70	[NT]
Methyl Parathion	µg/L	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	85	[NT]	[NT]	[NT]	[NT]	86	[NT]

QUALITY CONTROL: PCBs in Water - Trace Level						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			02/10/2019	[NT]	[NT]	[NT]	[NT]	02/10/2019	[NT]
Aroclor 1016	µg/L	0.01	Org-006	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	µg/L	0.01	Org-006	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	µg/L	0.01	Org-006	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	µg/L	0.01	Org-006	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	µg/L	0.01	Org-006	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	µg/L	0.01	Org-006	<0.01	[NT]	[NT]	[NT]	[NT]	85	[NT]
Aroclor 1260	µg/L	0.01	Org-006	<0.01	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-006	106	[NT]	[NT]	[NT]	[NT]	99	[NT]

QUALITY CONTROL: Total Phenolics in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			01/10/2019	1	01/10/2019	01/10/2019		01/10/2019	[NT]
Date analysed	-			01/10/2019	1	01/10/2019	01/10/2019		01/10/2019	[NT]
Total Phenolics (as Phenol)	mg/L	0.05	Inorg-031	<0.05	1	<0.05	<0.05	0	105	[NT]

QUALITY CONTROL: HM in water - dissolved						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date prepared	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Date analysed	-			01/10/2019	[NT]	[NT]	[NT]	[NT]	01/10/2019	[NT]
Arsenic-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Cadmium-Dissolved	µg/L	0.1	Metals-022	<0.1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Chromium-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Copper-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Lead-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Mercury-Dissolved	µg/L	0.05	Metals-021	<0.05	[NT]	[NT]	[NT]	[NT]	94	[NT]
Nickel-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Zinc-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			30/09/2019	[NT]	[NT]	[NT]	[NT]	30/09/2019	[NT]
Date analysed	-			30/09/2019	[NT]	[NT]	[NT]	[NT]	30/09/2019	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	102	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Report Comments

TRH Water(C10-C40) NEPM - # Percent recovery for the surrogate is not possible to report as the high concentration of analytes in sample 227289-1 has caused interference.

Dissolved Metals: no filtered, preserved sample was received for sample 227289-3, therefore the unpreserved sample was filtered through 0.45µm filter at the lab.
Note: there is a possibility some elements may be underestimated.

Douglas Partners
Geotechnics | Environment | Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	86852.01	**Suburb:**	Redfern	**To:**	EnviroLab
Project Name:	Detailed Site Investigation	**Order Number**			12 Ashley Street, Chatswood 2067
Project Manager:	DH	**Sampler:**	CLN / NB	**Attn:**	Aileen Hie
Emails:	chamali.nagodavithane@douglaspartners.com.au			**Phone:**	(02) 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☑			**Email:**	Ahie@envirolab.com.au
Prior Storage:	☐ Esky ☑ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Sampling Date	Sample Type (S - soil, W - water)	Container Type (G - glass, P - plastic)	Analytes									Notes/preservation
						Combo 4L	OCP/OPP/PCB (trace)	VOC	EC, pH	BTEX	TRH/BTEX	Combo 3	Asbestos ID	
BH1/MW1	1	27/09/19	W	G		x	x	x						
BH2/MW2	2	27/09/19	W	G		x	x	x						
BH3/MW3	3	27/09/19	W	G		x	●		x					- Please filter metals
BD1 190927	4	27/09/19	W	G		x								
TS	5	27/09/19	W	G						x				
TB	6	27/09/19	W	G							x			
PACM1	7	27/9/19	frag	P									x	
PQL (S) mg/kg														

ENVIROLAB — Envirolab Services, 12 Ashley St, Chatswood NSW 2067, Ph: (02) 9910 6200
Job No: 227289
Date Received: 30/09/19
Time Received: 1447
Received by: SB
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No: 227289

Total number of samples in container: **Relinquished by:** **Transported to laboratory by:**

Send Results to: Douglas Partners Pty Ltd **Address:** **Phone:** **Fax:**

Signed: **Received by:** S. Bolton **Date & Time:** 30/09/19 1447

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 227289-A

Client Details

Client	Douglas Partners Pty Ltd
Attention	David Holden
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.01, Redfern**
Number of Samples	6 Water, 1 Material
Date samples received	30/09/2019
Date completed instructions received	04/10/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

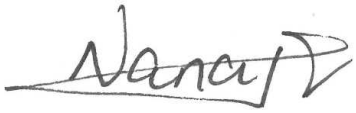
Date results requested by	09/10/2019
Date of Issue	08/10/2019

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
Josh Williams, Chemist

Authorised By



Nancy Zhang, Laboratory Manager

VOCs in water		
Our Reference		227289-A-3
Your Reference	UNITS	BH3/MW3
Date Sampled		27/09/2019
Type of sample		Water
Date extracted	-	02/10/2019
Date analysed	-	03/10/2019
Dichlorodifluoromethane	µg/L	<10
Chloromethane	µg/L	<10
Vinyl Chloride	µg/L	<10
Bromomethane	µg/L	<10
Chloroethane	µg/L	<10
Trichlorofluoromethane	µg/L	<10
1,1-Dichloroethene	µg/L	<1
Trans-1,2-dichloroethene	µg/L	<1
1,1-dichloroethane	µg/L	<1
Cis-1,2-dichloroethene	µg/L	<1
Bromochloromethane	µg/L	<1
Chloroform	µg/L	<1
2,2-dichloropropane	µg/L	<1
1,2-dichloroethane	µg/L	<1
1,1,1-trichloroethane	µg/L	<1
1,1-dichloropropene	µg/L	<1
Cyclohexane	µg/L	<1
Carbon tetrachloride	µg/L	<1
Benzene	µg/L	<1
Dibromomethane	µg/L	<1
1,2-dichloropropane	µg/L	<1
Trichloroethene	µg/L	4
Bromodichloromethane	µg/L	<1
trans-1,3-dichloropropene	µg/L	<1
cis-1,3-dichloropropene	µg/L	<1
1,1,2-trichloroethane	µg/L	<1
Toluene	µg/L	<1
1,3-dichloropropane	µg/L	<1
Dibromochloromethane	µg/L	<1
1,2-dibromoethane	µg/L	<1
Tetrachloroethene	µg/L	<1
1,1,1,2-tetrachloroethane	µg/L	<1
Chlorobenzene	µg/L	<1
Ethylbenzene	µg/L	<1

VOCs in water		
Our Reference		227289-A-3
Your Reference	UNITS	BH3/MW3
Date Sampled		27/09/2019
Type of sample		Water
Bromoform	µg/L	<1
m+p-xylene	µg/L	<2
Styrene	µg/L	<1
1,1,2,2-tetrachloroethane	µg/L	<1
o-xylene	µg/L	<1
1,2,3-trichloropropane	µg/L	<1
Isopropylbenzene	µg/L	<1
Bromobenzene	µg/L	<1
n-propyl benzene	µg/L	<1
2-chlorotoluene	µg/L	<1
4-chlorotoluene	µg/L	<1
1,3,5-trimethyl benzene	µg/L	<1
Tert-butyl benzene	µg/L	<1
1,2,4-trimethyl benzene	µg/L	<1
1,3-dichlorobenzene	µg/L	<1
Sec-butyl benzene	µg/L	<1
1,4-dichlorobenzene	µg/L	<1
4-isopropyl toluene	µg/L	<1
1,2-dichlorobenzene	µg/L	<1
n-butyl benzene	µg/L	<1
1,2-dibromo-3-chloropropane	µg/L	<1
1,2,4-trichlorobenzene	µg/L	<1
Hexachlorobutadiene	µg/L	<1
1,2,3-trichlorobenzene	µg/L	<1
Surrogate Dibromofluoromethane	%	108
Surrogate toluene-d8	%	99
Surrogate 4-BFB	%	95

Method ID	Methodology Summary
Org-013	Water samples are analysed directly by purge and trap GC-MS.

QUALITY CONTROL: VOCs in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			02/10/2019	3	02/10/2019	03/10/2019		02/10/2019	[NT]
Date analysed	-			03/10/2019	3	03/10/2019	04/10/2019		03/10/2019	[NT]
Dichlorodifluoromethane	µg/L	10	Org-013	<10	3	<10	<10	0	[NT]	[NT]
Chloromethane	µg/L	10	Org-013	<10	3	<10	<10	0	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-013	<10	3	<10	<10	0	[NT]	[NT]
Bromomethane	µg/L	10	Org-013	<10	3	<10	<10	0	[NT]	[NT]
Chloroethane	µg/L	10	Org-013	<10	3	<10	<10	0	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-013	<10	3	<10	<10	0	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-013	<1	3	<1	<1	0	118	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Chloroform	µg/L	1	Org-013	<1	3	<1	<1	0	121	[NT]
2,2-dichloropropane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-013	<1	3	<1	<1	0	117	[NT]
1,1,1-trichloroethane	µg/L	1	Org-013	<1	3	<1	<1	0	113	[NT]
1,1-dichloropropene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Cyclohexane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Benzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Dibromomethane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Trichloroethene	µg/L	1	Org-013	<1	3	4	<1	120	121	[NT]
Bromodichloromethane	µg/L	1	Org-013	<1	3	<1	<1	0	116	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Toluene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,3-dichloropropane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-013	<1	3	<1	<1	0	106	[NT]
1,2-dibromoethane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-013	<1	3	<1	<1	0	110	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Bromoform	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
m+p-xylene	µg/L	2	Org-013	<2	3	<2	<2	0	[NT]	[NT]
Styrene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]

QUALITY CONTROL: VOCs in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
o-xylene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,2,3-trichloropropane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Bromobenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-013	<1	3	<1	<1	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-013	106	3	108	107	1	107	[NT]
Surrogate toluene-d8	%		Org-013	99	3	99	98	1	104	[NT]
Surrogate 4-BFB	%		Org-013	99	3	95	96	1	93	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

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CERTIFICATE OF ANALYSIS 231732

Client Details

Client	Douglas Partners Pty Ltd
Attention	Chamali Nagodavithane
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.01, Redfern**
Number of Samples	9 Water
Date samples received	27/11/2019
Date completed instructions received	27/11/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

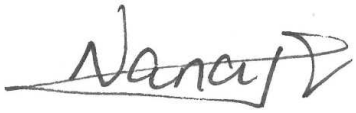
Date results requested by	04/12/2019
Date of Issue	17/12/2019
Reissue Details	This report replaces R00 created on 04/12/2019 due to: revised report with additional results.

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Results Approved By
Jaimie Loa-Kum-Cheung, Metals Supervisor
Josh Williams, Senior Chemist
Nick Sarlamis, Inorganics Supervisor
Steven Luong, Organics Supervisor

Authorised By



Nancy Zhang, Laboratory Manager

VOCs in water				
Our Reference		231732-1	231732-2	231732-3
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3
Date Sampled		26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water
Date extracted	-	28/11/2019	28/11/2019	28/11/2019
Date analysed	-	29/11/2019	29/11/2019	29/11/2019
Dichlorodifluoromethane	µg/L	<10	<10	<10
Chloromethane	µg/L	<10	<10	<10
Vinyl Chloride	µg/L	<10	<10	<10
Bromomethane	µg/L	<10	<10	<10
Chloroethane	µg/L	<10	<10	<10
Trichlorofluoromethane	µg/L	<10	<10	<10
1,1-Dichloroethene	µg/L	<1	<1	<1
Trans-1,2-dichloroethene	µg/L	<1	<1	<1
1,1-dichloroethane	µg/L	<1	<1	<1
Cis-1,2-dichloroethene	µg/L	<1	<1	<1
Bromochloromethane	µg/L	<1	<1	<1
Chloroform	µg/L	<1	<1	1
2,2-dichloropropane	µg/L	<1	<1	<1
1,2-dichloroethane	µg/L	<1	<1	<1
1,1,1-trichloroethane	µg/L	<1	<1	<1
1,1-dichloropropene	µg/L	<1	<1	<1
Cyclohexane	µg/L	<1	<1	<1
Carbon tetrachloride	µg/L	<1	<1	<1
Benzene	µg/L	<1	<1	<1
Dibromomethane	µg/L	<1	<1	<1
1,2-dichloropropane	µg/L	<1	<1	<1
Trichloroethene	µg/L	<1	<1	<1
Bromodichloromethane	µg/L	<1	<1	<1
trans-1,3-dichloropropene	µg/L	<1	<1	<1
cis-1,3-dichloropropene	µg/L	<1	<1	<1
1,1,2-trichloroethane	µg/L	<1	<1	<1
Toluene	µg/L	<1	<1	<1
1,3-dichloropropane	µg/L	<1	<1	<1
Dibromochloromethane	µg/L	<1	<1	<1
1,2-dibromoethane	µg/L	<1	<1	<1
Tetrachloroethene	µg/L	<1	<1	<1
1,1,1,2-tetrachloroethane	µg/L	<1	<1	<1
Chlorobenzene	µg/L	<1	<1	<1
Ethylbenzene	µg/L	<1	<1	<1

VOCs in water				
Our Reference	UNITS	231732-1	231732-2	231732-3
Your Reference		BH1/MW1	BH2/MW2	BH3/MW3
Date Sampled		26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water
Bromoform	µg/L	<1	<1	<1
m+p-xylene	µg/L	<2	<2	<2
Styrene	µg/L	<1	<1	<1
1,1,2,2-tetrachloroethane	µg/L	<1	<1	<1
o-xylene	µg/L	<1	<1	<1
1,2,3-trichloropropane	µg/L	<1	<1	<1
Isopropylbenzene	µg/L	<1	<1	<1
Bromobenzene	µg/L	<1	<1	<1
n-propyl benzene	µg/L	<1	<1	<1
2-chlorotoluene	µg/L	<1	<1	<1
4-chlorotoluene	µg/L	<1	<1	<1
1,3,5-trimethyl benzene	µg/L	<1	<1	<1
Tert-butyl benzene	µg/L	<1	<1	<1
1,2,4-trimethyl benzene	µg/L	<1	<1	<1
1,3-dichlorobenzene	µg/L	<1	<1	<1
Sec-butyl benzene	µg/L	<1	<1	<1
1,4-dichlorobenzene	µg/L	<1	<1	<1
4-isopropyl toluene	µg/L	<1	<1	<1
1,2-dichlorobenzene	µg/L	<1	<1	<1
n-butyl benzene	µg/L	<1	<1	<1
1,2-dibromo-3-chloropropane	µg/L	<1	<1	<1
1,2,4-trichlorobenzene	µg/L	<1	<1	<1
Hexachlorobutadiene	µg/L	<1	<1	<1
1,2,3-trichlorobenzene	µg/L	<1	<1	<1
Surrogate Dibromofluoromethane	%	108	106	106
Surrogate toluene-d8	%	100	98	99
Surrogate 4-BFB	%	104	104	105

vTRH(C6-C10)/BTEXN in Water						
Our Reference		231732-1	231732-2	231732-3	231732-4	231732-5
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3	BD1 191126	TS
Date Sampled		26/11/2019	26/11/2019	26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/11/2019	28/11/2019	28/11/2019	28/11/2019	28/11/2019
Date analysed	-	29/11/2019	29/11/2019	29/11/2019	29/11/2019	29/11/2019
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	[NA]
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	[NA]
TRH C_6 - C_{10} less BTEX (F1)	µg/L	<10	<10	<10	<10	[NA]
Benzene	µg/L	<1	<1	<1	<1	120%
Toluene	µg/L	<1	<1	<1	<1	115%
Ethylbenzene	µg/L	<1	<1	<1	<1	104%
m+p-xylene	µg/L	<2	<2	<2	<2	101%
o-xylene	µg/L	<1	<1	<1	<1	104%
Naphthalene	µg/L	<1	<1	<1	<1	[NA]
Surrogate Dibromofluoromethane	%	108	106	106	107	109
Surrogate toluene-d8	%	100	98	99	99	103
Surrogate 4-BFB	%	104	104	105	105	103

vTRH(C6-C10)/BTEXN in Water		
Our Reference		231732-6
Your Reference	UNITS	TB
Date Sampled		26/11/2019
Type of sample		Water
Date extracted	-	28/11/2019
Date analysed	-	29/11/2019
Benzene	µg/L	<1
Toluene	µg/L	<1
Ethylbenzene	µg/L	<1
m+p-xylene	µg/L	<2
o-xylene	µg/L	<1
Surrogate Dibromofluoromethane	%	106
Surrogate toluene-d8	%	100
Surrogate 4-BFB	%	104

svTRH (C10-C40) in Water					
Our Reference		231732-1	231732-2	231732-3	231732-4
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3	BD1 191126
Date Sampled		26/11/2019	26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water	Water
Date extracted	-	28/11/2019	28/11/2019	28/11/2019	28/11/2019
Date analysed	-	28/11/2019	28/11/2019	29/11/2019	29/11/2019
TRH C_{10} - C_{14}	µg/L	300	<50	<50	190
TRH C_{15} - C_{28}	µg/L	940	<100	<100	640
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100
TRH >C_{10} - C_{16}	µg/L	730	<50	<50	490
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	730	<50	<50	490
TRH >C_{16} - C_{34}	µg/L	510	<100	<100	340
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100
Surrogate o-Terphenyl	%	111	77	96	97

sTPH in Water (C10-C40) NEPM Silica gel		
Our Reference		231732-1
Your Reference	UNITS	BH1/MW1
Date Sampled		26/11/2019
Type of sample		Water
Date extracted	-	28/11/2019
Date analysed	-	04/12/2019
TPH C_{10} - C_{14}	µg/L	250
TPH C_{15} - C_{28}	µg/L	740
TPH C_{29} - C_{36}	µg/L	<100
TPH >C_{10} - C_{16}	µg/L	560
TPH >C_{16} - C_{34}	µg/L	440
TPH >C_{34} - C_{40}	µg/L	<100
Surrogate o-Terphenyl	%	95

SVOC's in water				
Our Reference		231732-1	231732-2	231732-3
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3
Date Sampled		26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water
Date extracted	-	03/12/2019	03/12/2019	03/12/2019
Date analysed	-	03/12/2019	03/12/2019	03/12/2019
Phenol	µg/L	<2	<2	<2
Bis (2-chloroethyl) ether	µg/L	<5	<5	<5
2-Chlorophenol	µg/L	<2	<2	<2
1,3-Dichlorobenzene	µg/L	<2	<2	<2
1,4-Dichlorobenzene	µg/L	<2	<2	<2
2-Methylphenol	µg/L	<2	<2	<2
1,2-Dichlorobenzene	µg/L	<2	<2	<2
bis-(2-Chloroisopropyl) ether	µg/L	<5	<5	<5
3/4-Methylphenol	µg/L	<4	<4	<4
N-nitrosodi-n-propylamine	µg/L	<5	<5	<5
Hexachloroethane	µg/L	<2	<2	<2
Nitrobenzene	µg/L	<5	<5	<5
Isophorone	µg/L	<5	<5	<5
2,4-Dimethylphenol	µg/L	<2	<2	<2
2-Nitrophenol	µg/L	<2	<2	<2
bis (2-Chloroethoxy) methane	µg/L	<5	<5	<5
2,4-Dichlorophenol	µg/L	<2	<2	<2
1,2,4-Trichlorobenzene	µg/L	<2	<2	<2
Naphthalene	µg/L	<2	<2	<2
4-Chloroaniline	µg/L	<5	<5	<5
4-Chloro-3-methylphenol	µg/L	<10	<10	<10
Hexachlorobutadiene	µg/L	<2	<2	<2
2-Methylnaphthalene	µg/L	<2	<2	<2
Hexachlorocyclopentadiene	µg/L	<5	<5	<5
2,4,6-Trichlorophenol	µg/L	<2	<2	<2
2,4,5-Trichlorophenol	µg/L	<2	<2	<2
2-Chloronaphthalene	µg/L	<2	<2	<2
2-Nitroaniline	µg/L	<5	<5	<5
Dimethyl phthalate	µg/L	<10	<10	<10
2,6-Dinitrotoluene	µg/L	<5	<5	<5
Acenaphthylene	µg/L	<2	<2	<2
3-Nitroaniline	µg/L	<5	<5	<5
Acenaphthene	µg/L	<2	<2	<2
2,4-Dinitrophenol	µg/L	<20	<20	<20

SVOC's in water				
Our Reference	UNITS	231732-1	231732-2	231732-3
Your Reference		BH1/MW1	BH2/MW2	BH3/MW3
Date Sampled		26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water
4-Nitrophenol	µg/L	<20	<20	<20
Dibenzofuran	µg/L	<5	<5	<5
Diethylphthalate	µg/L	<10	<10	<10
4-Chlorophenylphenylether	µg/L	<5	<5	<5
4-Nitroaniline	µg/L	<5	<5	<5
Fluorene	µg/L	<2	<2	<2
2-methyl-4,6-dinitrophenol	µg/L	<20	<20	<20
Azobenzene	µg/L	<5	<5	<5
4-Bromophenylphenylether	µg/L	<5	<5	<5
Hexachlorobenzene	µg/L	<2	<2	<2
Pentachlorophenol	µg/L	<10	<10	<10
Phenanthrene	µg/L	<2	<2	<2
Anthracene	µg/L	<2	<2	<2
Carbazole	µg/L	<5	<5	<5
Di-n-butylphthalate	µg/L	<10	<10	<10
Fluoranthene	µg/L	<2	<2	<2
Pyrene	µg/L	<2	<2	<2
Butylbenzylphthalate	µg/L	<10	<10	<10
Bis(2-ethylhexyl) phthalate	µg/L	<50	<50	<50
Benzo(a)anthracene	µg/L	<2	<2	<2
Chrysene	µg/L	<2	<2	<2
Di-n-octylphthalate	µg/L	<10	<10	<10
Benzo(b,j+k)fluoranthene	µg/L	<4	<4	<4
Benzo(a)pyrene	µg/L	<2	<2	<2
Indeno(1,2,3-c,d)pyrene	µg/L	<2	<2	<2
Dibenzo(a,h)anthracene	µg/L	<2	<2	<2
Benzo(g,h,i)perylene	µg/L	<2	<2	<2
Ethylmethanesulfonate	µg/L	<5	<5	<5
Aniline	µg/L	<5	<5	<5
Pentachloroethane	µg/L	<2	<2	<2
Benzyl alcohol	µg/L	<5	<5	<5
Acetophenone	µg/L	<5	<5	<5
N-nitrosomorpholine	µg/L	<5	<5	<5
N-nitrosopiperidine	µg/L	<5	<5	<5
2,6-Dichlorophenol	µg/L	<2	<2	<2
Hexachloropropene-1	µg/L	<2	<2	<2
N-nitroso-n-butylamine	µg/L	<5	<5	<5

SVOC's in water				
Our Reference		231732-1	231732-2	231732-3
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3
Date Sampled		26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water
Safrole	µg/L	<5	<5	<5
1,2,4,5-Tetrachlorobenzene	µg/L	<2	<2	<2
Trans/Cis-iso-safrole	µg/L	<5	<5	<5
1,3-Dinitrobenzene	µg/L	<5	<5	<5
Pentachlorobenzene	µg/L	<2	<2	<2
1-Naphthylamine	µg/L	<5	<5	<5
2,3,4,6-Tetrachlorophenol	µg/L	<2	<2	<2
2-Naphthylamine	µg/L	<5	<5	<5
5-Nitro-o-toluidine	µg/L	<5	<5	<5
Diphenylamine	µg/L	<5	<5	<5
Phenacetin	µg/L	<5	<5	<5
Pentachloronitrobenzene	µg/L	<5	<5	<5
Dinoseb	µg/L	<10	<10	<10
Methapyrilene	µg/L	<10	<10	<10
p-Dimethylaminoazobenzene	µg/L	<5	<5	<5
2-Acetylaminofluorene	µg/L	<2	<2	<2
7,12-Dimethylbenz(a)anthracene	µg/L	<2	<2	<2
3-Methylcholanthrene	µg/L	<2	<2	<2
a-BHC	µg/L	<2	<2	<2
b-BHC	µg/L	<2	<2	<2
g-BHC	µg/L	<2	<2	<2
d-BHC	µg/L	<2	<2	<2
Heptachlor	µg/L	<2	<2	<2
Aldrin	µg/L	<2	<2	<2
Heptachlor Epoxide	µg/L	<2	<2	<2
g-Chlordane	µg/L	<2	<2	<2
a-Chlordane	µg/L	<2	<2	<2
Endosulfan I	µg/L	<2	<2	<2
p,p'-DDE	µg/L	<2	<2	<2
Dieldrin	µg/L	<2	<2	<2
Endrin	µg/L	<2	<2	<2
p,p'-DDD	µg/L	<2	<2	<2
Endosulfan II	µg/L	<2	<2	<2
Endrin Aldehyde	µg/L	<2	<2	<2
p,p'-DDT	µg/L	<2	<2	<2
Endosulfan Sulphate	µg/L	<2	<2	<2
Endrin Ketone	µg/L	<2	<2	<2

SVOC's in water				
Our Reference		231732-1	231732-2	231732-3
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3
Date Sampled		26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water
Methoxychlor	µg/L	<2	<2	<2
Surrogate 2-fluorophenol	%	82	115	105
Surrogate Phenol-d_6	%	71	74	67
Surrogate Nitrobenzene-d_5	%	109	134	127
Surrogate 2-fluorobiphenyl	%	123	129	131
Surrogate 2,4,6-Tribromophenol	%	121	135	137
Surrogate *p*-Terphenyl-d_{14}	%	85	117	112

HM in water - dissolved					
Our Reference		231732-1	231732-2	231732-3	231732-4
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3	BD1 191126
Date Sampled		26/11/2019	26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water	Water
Date prepared	-	28/11/2019	28/11/2019	28/11/2019	28/11/2019
Date analysed	-	28/11/2019	28/11/2019	28/11/2019	28/11/2019
Arsenic-Dissolved	µg/L	2	<1	<1	2
Cadmium-Dissolved	µg/L	<0.1	<0.1	<0.1	<0.1
Chromium-Dissolved	µg/L	<1	<1	<1	<1
Copper-Dissolved	µg/L	<1	3	15	<1
Lead-Dissolved	µg/L	<1	<1	<1	<1
Mercury-Dissolved	µg/L	<0.05	<0.05	<0.05	<0.05
Nickel-Dissolved	µg/L	4	5	8	5
Zinc-Dissolved	µg/L	3	14	31	3

Ion Balance				
Our Reference		231732-1	231732-2	231732-3
Your Reference	UNITS	BH1/MW1	BH2/MW2	BH3/MW3
Date Sampled		26/11/2019	26/11/2019	26/11/2019
Type of sample		Water	Water	Water
Date prepared	-	27/11/2019	27/11/2019	27/11/2019
Date analysed	-	27/11/2019	27/11/2019	27/11/2019
Calcium - Dissolved	mg/L	14	9.0	18
Potassium - Dissolved	mg/L	3.8	3.0	5.9
Sodium - Dissolved	mg/L	170	130	140
Magnesium - Dissolved	mg/L	14	8.2	15
Hardness	mgCaCO 3 /L	93	56	110
Hydroxide Alkalinity (OH^-) as $CaCO_3$	mg/L	<5	<5	<5
Bicarbonate Alkalinity as $CaCO_3$	mg/L	250	100	180
Carbonate Alkalinity as $CaCO_3$	mg/L	<5	<5	<5
Total Alkalinity as $CaCO_3$	mg/L	250	100	180
Sulphate, SO4	mg/L	67	86	130
Chloride, Cl	mg/L	130	130	97
Ionic Balance	%	-4.0	-4.0	-3.0

Method ID	Methodology Summary
Inorg-006	Alkalinity - determined titrimetrically in accordance with APHA latest edition, 2320-B.
Inorg-040	The concentrations of the major ions (mg/L) are converted to milliequivalents and summed. The ionic balance should be within +/- 10% ie total anions = total cations +/-10%.
Inorg-081	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA latest edition, 4110-B. Waters samples are filtered on receipt prior to analysis. Alternatively determined by colourimetry/turbidity using Discrete Analyser.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS.
Org-013	Water samples are analysed directly by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: VOCs in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			28/11/2019	[NT]	[NT]	[NT]	[NT]	28/11/2019	[NT]
Date analysed	-			29/11/2019	[NT]	[NT]	[NT]	[NT]	29/11/2019	[NT]
Dichlorodifluoromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromomethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroform	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	108	[NT]
2,2-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	105	[NT]
1,1,1-trichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	106	[NT]
1,1-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Cyclohexane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromomethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Bromodichloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	104	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Toluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	107	[NT]
1,2-dibromoethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	106	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromoform	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
m+p-xylene	µg/L	2	Org-013	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Styrene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]

QUALITY CONTROL: VOCs in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
o-xylene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-013	107	[NT]	[NT]	[NT]	[NT]	102	[NT]
Surrogate toluene-d8	%		Org-013	98	[NT]	[NT]	[NT]	[NT]	101	[NT]
Surrogate 4-BFB	%		Org-013	103	[NT]	[NT]	[NT]	[NT]	98	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			28/11/2019	[NT]	[NT]	[NT]	[NT]	28/11/2019	[NT]
Date analysed	-			29/11/2019	[NT]	[NT]	[NT]	[NT]	29/11/2019	[NT]
TRH C_6 - C_9	µg/L	10	Org-016	<10	[NT]	[NT]	[NT]	[NT]	105	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-016	<10	[NT]	[NT]	[NT]	[NT]	105	[NT]
Benzene	µg/L	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	104	[NT]
Toluene	µg/L	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	109	[NT]
Ethylbenzene	µg/L	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
m+p-xylene	µg/L	2	Org-016	<2	[NT]	[NT]	[NT]	[NT]	105	[NT]
o-xylene	µg/L	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Naphthalene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-016	107	[NT]	[NT]	[NT]	[NT]	102	[NT]
Surrogate toluene-d8	%		Org-016	98	[NT]	[NT]	[NT]	[NT]	101	[NT]
Surrogate 4-BFB	%		Org-016	103	[NT]	[NT]	[NT]	[NT]	98	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			28/11/2019	1	28/11/2019	28/11/2019		28/11/2019	[NT]
Date analysed	-			28/11/2019	1	28/11/2019	28/11/2019		28/11/2019	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-003	<50	1	300	240	22	101	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-003	<100	1	940	750	22	102	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-003	<100	1	<100	<100	0	103	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-003	<50	1	730	580	23	101	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-003	<100	1	510	400	24	102	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-003	<100	1	<100	<100	0	103	[NT]
Surrogate o-Terphenyl	%		Org-003	118	1	111	90	21	80	[NT]

QUALITY CONTROL: sTPH in Water (C10-C40) NEPM Silica gel						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			28/11/2019	[NT]	[NT]	[NT]	[NT]	28/11/2019	[NT]
Date analysed	-			04/12/2019	[NT]	[NT]	[NT]	[NT]	04/12/2019	[NT]
TPH C_{10} - C_{14}	µg/L	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	104	[NT]
TPH C_{15} - C_{28}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	114	[NT]
TPH C_{29} - C_{36}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	121	[NT]
TPH >C_{10} - C_{16}	µg/L	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	104	[NT]
TPH >C_{16} - C_{34}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	114	[NT]
TPH >C_{34} - C_{40}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	121	[NT]
Surrogate o-Terphenyl	%		Org-003	78	[NT]	[NT]	[NT]	[NT]	97	[NT]

QUALITY CONTROL: SVOC's in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			03/12/2019	[NT]	[NT]	[NT]	[NT]	03/12/2019	[NT]
Date analysed	-			03/12/2019	[NT]	[NT]	[NT]	[NT]	03/12/2019	[NT]
Phenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	46	[NT]
Bis (2-chloroethyl) ether	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-Chlorophenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	116	[NT]
1,3-Dichlorobenzene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,4-Dichlorobenzene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	99	[NT]
2-Methylphenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-Dichlorobenzene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
bis-(2-Chloroisopropyl) ether	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
3/4-Methylphenol	µg/L	4	Org-012	<4	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
N-nitrosodi-n-propylamine	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachloroethane	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Nitrobenzene	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Isophorone	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4-Dimethylphenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-Nitrophenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
bis (2-Chloroethoxy) methane	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4-Dichlorophenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-Trichlorobenzene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Naphthalene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-Chloroaniline	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-Chloro-3-methylphenol	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorobutadiene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-Methylnaphthalene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorocyclopentadiene	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4,6-Trichlorophenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4,5-Trichlorophenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-Chloronaphthalene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-Nitroaniline	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dimethyl phthalate	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	128	[NT]
2,6-Dinitrotoluene	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthylene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
3-Nitroaniline	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	92	[NT]
2,4-Dinitrophenol	µg/L	20	Org-012	<20	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-Nitrophenol	µg/L	20	Org-012	<20	[NT]	[NT]	[NT]	[NT]	54	[NT]
Dibenzofuran	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Diethylphthalate	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	85	[NT]
4-Chlorophenylphenylether	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]

QUALITY CONTROL: SVOC's in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
4-Nitroaniline	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-methyl-4,6-dinitrophenol	µg/L	20	Org-012	<20	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Azobenzene	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-Bromophenylphenylether	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorobenzene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Pentachlorophenol	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Phenanthrene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Anthracene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbazole	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Di-n-butylphthalate	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Pyrene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	113	[NT]
Butylbenzylphthalate	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bis(2-ethylhexyl) phthalate	µg/L	50	Org-012	<50	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)anthracene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Di-n-octylphthalate	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	4	Org-012	<4	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethylmethanesulfonate	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aniline	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Pentachloroethane	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzyl alcohol	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acetophenone	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
N-nitrosomorpholine	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
N-nitrosopiperidine	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,6-Dichlorophenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachloropropene-1	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
N-nitroso-n-butylamine	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Safrole	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4,5-Tetrachlorobenzene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trans/Cis-iso-safrole	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-Dinitrobenzene	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Pentachlorobenzene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1-Naphthylamine	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,3,4,6-Tetrachlorophenol	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]

QUALITY CONTROL: SVOC's in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
2-Naphthylamine	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
5-Nitro-o-toluidine	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Diphenylamine	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Phenacetin	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Pentachloronitrobenzene	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dinoseb	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Methapyrilene	µg/L	10	Org-012	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
p-Dimethylaminoazobenzene	µg/L	5	Org-012	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-Acetylaminofluorene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
7,12-Dimethylbenz(a)anthracene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
3-Methylcholanthrene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
a-BHC	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
b-BHC	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
g-BHC	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
d-BHC	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	93	[NT]
Heptachlor Epoxide	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
g-Chlordane	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
a-Chlordane	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
p,p'-DDE	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dieldrin	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	103	[NT]
Endrin	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
p,p'-DDD	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan II	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endrin Aldehyde	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
p,p'-DDT	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endrin Ketone	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Methoxychlor	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 2-fluorophenol	%		Org-012	75	[NT]	[NT]	[NT]	[NT]	100	[NT]
Surrogate Phenol-d_6	%		Org-012	62	[NT]	[NT]	[NT]	[NT]	76	[NT]
Surrogate Nitrobenzene-d_5	%		Org-012	82	[NT]	[NT]	[NT]	[NT]	129	[NT]
Surrogate 2-fluorobiphenyl	%		Org-012	100	[NT]	[NT]	[NT]	[NT]	139	[NT]
Surrogate 2,4,6-Tribromophenol	%		Org-012	135	[NT]	[NT]	[NT]	[NT]	135	[NT]
Surrogate p-Terphenyl-d_{14}	%		Org-012	119	[NT]	[NT]	[NT]	[NT]	99	[NT]

QUALITY CONTROL: HM in water - dissolved						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date prepared	-			28/11/2019	[NT]	[NT]	[NT]	[NT]	28/11/2019	[NT]
Date analysed	-			28/11/2019	[NT]	[NT]	[NT]	[NT]	28/11/2019	[NT]
Arsenic-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	98	[NT]
Cadmium-Dissolved	µg/L	0.1	Metals-022	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Chromium-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	107	[NT]
Copper-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	107	[NT]
Lead-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	106	[NT]
Mercury-Dissolved	µg/L	0.05	Metals-021	<0.05	[NT]	[NT]	[NT]	[NT]	98	[NT]
Nickel-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Zinc-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]

QUALITY CONTROL: Ion Balance					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			27/11/2019	[NT]	[NT]	[NT]	[NT]	27/11/2019	[NT]
Date analysed	-			27/11/2019	[NT]	[NT]	[NT]	[NT]	27/11/2019	[NT]
Calcium - Dissolved	mg/L	0.5	Metals-020	<0.5	[NT]	[NT]	[NT]	[NT]	112	[NT]
Potassium - Dissolved	mg/L	0.5	Metals-020	<0.5	[NT]	[NT]	[NT]	[NT]	109	[NT]
Sodium - Dissolved	mg/L	0.5	Metals-020	<0.5	[NT]	[NT]	[NT]	[NT]	109	[NT]
Magnesium - Dissolved	mg/L	0.5	Metals-020	<0.5	[NT]	[NT]	[NT]	[NT]	112	[NT]
Hydroxide Alkalinity (OH^-) as $CaCO_3$	mg/L	5	Inorg-006	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bicarbonate Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbonate Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Total Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	[NT]	[NT]	[NT]	[NT]	103	[NT]
Sulphate, SO4	mg/L	1	Inorg-081	<1	[NT]	[NT]	[NT]	[NT]	104	[NT]
Chloride, Cl	mg/L	1	Inorg-081	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Dissolved Metals: no filtered, preserved sample was received, therefore the unpreserved sample was filtered through 0.45µm filter at the lab. Note: there is a possibility some elements may be underestimated.

Douglas Partners
Geotechnics | Environment | Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	86852.01	**Suburb:**	Redfern	**To:**	EnviroLab
Project Name:	Detailed Site Investigation	**Order Number**			12 Ashley Street, Chatswood 2067
Project Manager:	DH	**Sampler:**	CLN[redacted]	**Attn:**	Ailee Hie
Emails:	chamali.nagodavithane@douglaspartners.com.au			**Phone:**	(02) 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☑			**Email:**	Ahie@envirolab.com.au
Prior Storage:	☐ Esky ☑ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Sampling Date	Sample Type (S - soil, W - water)	Container Type (G - glass, P - plastic)	Analytes									Notes/preservation
						VOC	SVOC	BTEX	Metal (8 suite)	Anions + Cations	TPH / TRH	TRH		
BH1/MW1	1	26/11/19	W	G		x	x	x	x	x	x			Please report both TRH and TPH
BH2/MW2	2	26/11/19	W	G		x	x	x	x	x	x			Please report both TRH and TPH
BH3/MW3	3	26/11/19	W	G		x	x	x	x	x	x			Please report both TRH and TPH
BD1 191126	4	26/11/19	W	G				x	x		x			
TS	5	26/11/19	W	G								x		
TB	6	26/11/19	W	G				x				x		
BH1/MW1D	7	26/11/19	W	G										HOLD
BH2/MW2D	8	26/11/19	W	G										HOLD
BH3/MW3D	9	26/11/19	W	G										HOLD
PQL (S) mg/kg														

ENVIROLAB

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 231732
Date Received: 27/11/19
Time Received: 1315
Received by: TP
Temp: Cool/Ambient 10.9°C
Cooling: Ice/Icepack
Security: Intact/~~Broken/None~~

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Lab Report/Reference No: 231732

Metals to Analyse: 8HM unless specified here:

Total number of samples in container: **Relinquished by:** **Transported to laboratory by:**

Send Results to: Douglas Partners Pty Ltd **Address:** **Phone:** **Fax:**

Signed: **Received by:** Jason Day ELS SYD **Date & Time:** 1315 27/11/19

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 231732-A

Client Details

Client	Douglas Partners Pty Ltd
Attention	David Holden, Chamali Nagodavithane
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**86852.01, Redfern**
Number of Samples	9 Water
Date samples received	27/11/2019
Date completed instructions received	27/11/2019

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

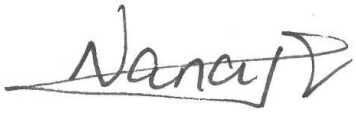
Date results requested by	09/12/2019
Date of Issue	05/12/2019

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Results Approved By
Josh Williams, Senior Chemist
Steven Luong, Organics Supervisor

Authorised By



Nancy Zhang, Laboratory Manager

VOCs in water		
Our Reference		231732-A-9
Your Reference	UNITS	BH3/MW3D
Date Sampled		26/11/2019
Type of sample		Water
Date extracted	-	03/12/2019
Date analysed	-	04/12/2019
Dichlorodifluoromethane	µg/L	<10
Chloromethane	µg/L	<10
Vinyl Chloride	µg/L	<10
Bromomethane	µg/L	<10
Chloroethane	µg/L	<10
Trichlorofluoromethane	µg/L	<10
1,1-Dichloroethene	µg/L	<1
Trans-1,2-dichloroethene	µg/L	<1
1,1-dichloroethane	µg/L	<1
Cis-1,2-dichloroethene	µg/L	<1
Bromochloromethane	µg/L	<1
Chloroform	µg/L	<1
2,2-dichloropropane	µg/L	<1
1,2-dichloroethane	µg/L	<1
1,1,1-trichloroethane	µg/L	<1
1,1-dichloropropene	µg/L	<1
Cyclohexane	µg/L	<1
Carbon tetrachloride	µg/L	<1
Benzene	µg/L	<1
Dibromomethane	µg/L	<1
1,2-dichloropropane	µg/L	<1
Trichloroethene	µg/L	<1
Bromodichloromethane	µg/L	<1
trans-1,3-dichloropropene	µg/L	<1
cis-1,3-dichloropropene	µg/L	<1
1,1,2-trichloroethane	µg/L	<1
Toluene	µg/L	<1
1,3-dichloropropane	µg/L	<1
Dibromochloromethane	µg/L	<1
1,2-dibromoethane	µg/L	<1
Tetrachloroethene	µg/L	<1
1,1,1,2-tetrachloroethane	µg/L	<1
Chlorobenzene	µg/L	<1
Ethylbenzene	µg/L	<1

VOCs in water		
Our Reference		231732-A-9
Your Reference	UNITS	BH3/MW3D
Date Sampled		26/11/2019
Type of sample		Water
Bromoform	µg/L	<1
m+p-xylene	µg/L	<2
Styrene	µg/L	<1
1,1,2,2-tetrachloroethane	µg/L	<1
o-xylene	µg/L	<1
1,2,3-trichloropropane	µg/L	<1
Isopropylbenzene	µg/L	<1
Bromobenzene	µg/L	<1
n-propyl benzene	µg/L	<1
2-chlorotoluene	µg/L	<1
4-chlorotoluene	µg/L	<1
1,3,5-trimethyl benzene	µg/L	<1
Tert-butyl benzene	µg/L	<1
1,2,4-trimethyl benzene	µg/L	<1
1,3-dichlorobenzene	µg/L	<1
Sec-butyl benzene	µg/L	<1
1,4-dichlorobenzene	µg/L	<1
4-isopropyl toluene	µg/L	<1
1,2-dichlorobenzene	µg/L	<1
n-butyl benzene	µg/L	<1
1,2-dibromo-3-chloropropane	µg/L	<1
1,2,4-trichlorobenzene	µg/L	<1
Hexachlorobutadiene	µg/L	<1
1,2,3-trichlorobenzene	µg/L	<1
Surrogate Dibromofluoromethane	%	100
Surrogate toluene-d8	%	98
Surrogate 4-BFB	%	106

sTPH in Water (C10-C40) NEPM Silica gel		
Our Reference	UNITS	231732-A-7
Your Reference		BH1/MW1D
Date Sampled		26/11/2019
Type of sample		Water
Date extracted	-	03/12/2019
Date analysed	-	04/12/2019
TPH C_{10} - C_{14}	µg/L	120
TPH C_{15} - C_{28}	µg/L	360
TPH C_{29} - C_{36}	µg/L	<100
TPH >C_{10} - C_{16}	µg/L	260
TPH >C_{16} - C_{34}	µg/L	230
TPH >C_{34} - C_{40}	µg/L	<100
Surrogate o-Terphenyl	%	97

Method ID	Methodology Summary
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-013	Water samples are analysed directly by purge and trap GC-MS.

QUALITY CONTROL: VOCs in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			03/12/2019	[NT]	[NT]	[NT]	[NT]	03/12/2019	[NT]
Date analysed	-			04/12/2019	[NT]	[NT]	[NT]	[NT]	04/12/2019	[NT]
Dichlorodifluoromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromomethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroform	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	94	[NT]
2,2-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	89	[NT]
1,1,1-trichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	89	[NT]
1,1-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Cyclohexane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromomethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	121	[NT]
Bromodichloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	84	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Toluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	76	[NT]
1,2-dibromoethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	92	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromoform	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
m+p-xylene	µg/L	2	Org-013	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Styrene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]

QUALITY CONTROL: VOCs in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
o-xylene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-013	102	[NT]	[NT]	[NT]	[NT]	100	[NT]
Surrogate toluene-d8	%		Org-013	99	[NT]	[NT]	[NT]	[NT]	101	[NT]
Surrogate 4-BFB	%		Org-013	107	[NT]	[NT]	[NT]	[NT]	101	[NT]

QUALITY CONTROL: sTPH in Water (C10-C40) NEPM Silica gel					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			03/12/2019	[NT]	[NT]	[NT]	[NT]	03/12/2019	[NT]
Date analysed	-			04/12/2019	[NT]	[NT]	[NT]	[NT]	04/12/2019	[NT]
TPH C_{10} - C_{14}	µg/L	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	104	[NT]
TPH C_{15} - C_{28}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	114	[NT]
TPH C_{29} - C_{36}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	121	[NT]
TPH >C_{10} - C_{16}	µg/L	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	104	[NT]
TPH >C_{16} - C_{34}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	114	[NT]
TPH >C_{34} - C_{40}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	121	[NT]
Surrogate o-Terphenyl	%		Org-003	78	[NT]	[NT]	[NT]	[NT]	97	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES1931155**	Page	: 1 of 6
Client	: **DOUGLAS PARTNERS PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: CHAMALI NAGODAVITHANE	Contact	: Shirley LeCornu
Address	: PO BOX 472 96 HERMITAGE ROAD WEST RYDE NSW, AUSTRALIA 1685	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +6138549 9630
Project	: 86852.00 Detailed Site Investigation	Date Samples Received	: 24-Sep-2019 15:00
Order number	: ----	Date Analysis Commenced	: 25-Sep-2019
C-O-C number	: ----	Issue Date	: 30-Sep-2019 18:31
Sampler	: CLN/NB		
Site	: Redfern		
Quote number	: EN/222		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

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*
Alex Rossi	Organic Chemist	Sydney Organics, Smithfield, NSW
Celine Conceicao	Senior Spectroscopist	Sydney Inorganics, Smithfield, NSW
Wisam Marassa	Inorganics Coordinator	Sydney Inorganics, Smithfield, NSW

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by 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 Contact 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.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Client sample ID	BD1 190917	----	----	----	----
			Client sampling date / time	17-Sep-2019 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	ES1931155-001	--------	--------	--------	--------
				Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	**21.2**	----	----	----	----
EG005(ED093)T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	**10**	----	----	----	----
Cadmium	7440-43-9	1	mg/kg	<1	----	----	----	----
Chromium	7440-47-3	2	mg/kg	**36**	----	----	----	----
Copper	7440-50-8	5	mg/kg	<5	----	----	----	----
Lead	7439-92-1	5	mg/kg	**20**	----	----	----	----
Nickel	7440-02-0	2	mg/kg	<2	----	----	----	----
Zinc	7440-66-6	5	mg/kg	<5	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	----	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	----	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	----	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	----	----	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	----	----	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	----	----	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	**0.6**	----	----	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	**1.2**	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	BD1 190917	----	----	----	----
				Client sampling date / time	17-Sep-2019 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES1931155-001	--------	--------	--------	--------
					Result	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons - Continued									
C10 - C14 Fraction	----	50	mg/kg		<50	----	----	----	----
C15 - C28 Fraction	----	100	mg/kg		<100	----	----	----	----
C29 - C36 Fraction	----	100	mg/kg		<100	----	----	----	----
^ **C10 - C36 Fraction (sum)**	----	50	mg/kg		<50	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	----	----	----	----
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	10	mg/kg		<10	----	----	----	----
>C10 - C16 Fraction	----	50	mg/kg		<50	----	----	----	----
>C16 - C34 Fraction	----	100	mg/kg		<100	----	----	----	----
>C34 - C40 Fraction	----	100	mg/kg		<100	----	----	----	----
^ **>C10 - C40 Fraction (sum)**	----	50	mg/kg		<50	----	----	----	----
^ **>C10 - C16 Fraction minus Naphthalene (F2)**	----	50	mg/kg		<50	----	----	----	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	----	----	----	----
Toluene	108-88-3	0.5	mg/kg		<0.5	----	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	----	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	----	----	----	----
^ **Sum of BTEX**	----	0.2	mg/kg		<0.2	----	----	----	----
^ **Total Xylenes**	----	0.5	mg/kg		<0.5	----	----	----	----
Naphthalene	91-20-3	1	mg/kg		<1	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		**80.2**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		**72.0**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%		**51.3**	----	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		**79.8**	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%		**113**	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		**81.9**	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.2	%		**85.5**	----	----	----	----
Toluene-D8	2037-26-5	0.2	%		**76.6**	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	BD1 190917	----	----	----	----
				Client sampling date / time	17-Sep-2019 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES1931155-001	--------	--------	--------	--------
					Result	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates - Continued									
4-Bromofluorobenzene	460-00-4	0.2	%		**74.2**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SOIL**

Compound	CAS Number	Recovery Limits (%) Low	High
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130

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CHAIN OF CUSTODY DESPATCH SHEET

Project No:	86852.00	**Suburb:**	Redfern	**To:**	EnviroLab
Project Name:	Detailed Site Investigation	**Order Number**			12 Ashley Street, Chatswood 2067
Project Manager:	DH	**Sampler:**	CLN / NB	**Attn:**	Aileen Hie
Emails:	chamali.nagodavithane@douglaspartners.com.au			**Phone:**	(02) 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☑			**Email:**	Ahie@envirolab.com.au
Prior Storage:	☐ Esky ☑ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Date Sampled	Sample Type (S - soil, W - water)	Container Type (G - glass, P - plastic)	Analytes									Notes/preservation
						Combo 8a	Combo 3a	Combo 3	pH, CEC	TRH, BTEX	BTEX			
BH1A/0.5-0.6	1	17/09/19	S	G				x	~~x~~					
BH2/0.15-0.25	2	19/09/19	S	G		x								
BH2/0.5-0.6	3	19/09/19	S	G			x							
BH3/0.5-0.6	4	20/09/19	S	G		x			x					
BH4/0.1-0.2	5	23/09/19	S	G		x								
BH5/0.15-0-.25	6	23/09/19	S	G		x								
BH6/1-1.1	7	18/09/19	S	G		x								
BH7/0-0.1	8	17/09/19	S	G		x								
BH1A/0.15-0.25	9	17/09/19	S	G		x			x					
BH3/1-1.1	10	20/09/19	S	G			x							
BH4/0.5-0.6	11	23/09/19	S	G			x							
BH5/1.0-1.1	12	23/09/19	S	G				x	x					
PQL (S) mg/kg														

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 22676

Date Received: 24/9
Time Received: 9
Received by: AZ
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken

Environmental Division Sydney
Work Order Reference
ES1931155

Telephone : +61-2-8784 8555

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No:

Total number of samples in container: | **Relinquished by:** | **Transported to laboratory by:**

Send Results to: Douglas Partners Pty Ltd | **Address** | **Phone:** | **Fax:**

Signed: | **Received by:** AZ | **Date & Time:** 24/9 9:10

Rec. Scott Mc 24/9/19 1500 10°C

Douglas Partners
Geotechnics | Environment | Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	86852.00	**Suburb:**	Redfern	**To:**	EnviroLab
Project Name:	Detailed Site Investigation	**Order Number**			12 Ashley Street, Chatswood 2067
Project Manager:	DH	**Sampler:**	CLN / NB	**Attn:**	Aileen Hie
Emails:	chamali.nagodavithane@douglaspartners.com.au			**Phone:**	(02) 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☑			**Email:**	Ahie@envirolab.com.au
Prior Storage:	☐ Esky ☑ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Sampling Date	Sample Type (S - soil, W - water)	Container Type (G - glass, P - plastic)	Analytes									Notes/preservation
						Combo 8a	Combo 3a	Combo 3	TRH, BTEX	BTEX				
BH6/1.4-1.5	13	17/09/19	S	G				x						
BD2 190917	14	17/09/19	S	G				x						
BD1 190917	—	17/09/19	S	G				x						To be forwarded to ALS
TB	15		S	G					x					
TS	16		S	G						x				
BH6/1.9-2.0	17	17/09/19	S	G										hold
PQL (S) mg/kg														

relinquished by: N.O

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No:

Total number of samples in container: **Relinquished by:** **Transported to laboratory by:**

Send Results to: Douglas Partners Pty Ltd **Address** **Phone:** **Fax:**

Signed: **Received by:** Binbin Zhang **Date & Time:** 24/9 9:40

Rec Soffian 24/9/19 15:00 102