

Environmental - Remediation - Engineering - Laboratories - Drilling

PRELIMINARY SITE INVESTIGATION

472 – 486 Pacific Highway, St Leonards NSW

Prepared for

Leighton Properties

19th September 2013

HEAD OFFICE: PO Box 398 Drummoyne NSW 1470 Aargus Pty Ltd ACN 050 212 710 • Aargus Holdings Pty Ltd ACN 063 579 313 Aargus Australia Pty Ltd ACN 086 993 937 • Aargus Recruitment Pty Ltd ACN 098 905 894 Telephone: 1300 137 038 • Facsimile: 1300 136 038 • Email: admin@aargus.net • Website: www.aargus.net

Other office locations in NSW - QLD - VIC - SA and 4 overseas countries

CONTROLLED DOCUMENT DISTRIBUTION AND REVISION REGISTER

DISTRIBUTION LIST

Copy No.	Custodian	Location	
1	Nick Kariotoglou	Aargus Pty Ltd (Library)	
2, 3	Peter O'Meagher	Leighton Properties	

Note: This register identifies the current custodians of controlled copies of the subject document.

It is expected that these custodians would be responsible for:

- the storage of the document
- ensuring prompt incorporation of amendments
- making the document available to pertinent personnel within the organization
- encouraging observance of the document by such personnel
- making the document available for audit

DOCUMENT HISTORY

Document No.	Revision No.	Issue Date	Description
ES5599	0	19/09/2013	Initial Issue

Approved for release by:

Mark Kethy

Mark Kelly Environmental Manager

Date:

19/09/2013



TABLE OF CONTENTS

T	ABL	E OF CONTENTS	
L	(ST (OF TABLES	
L	(ST (OF FIGURES	
L	IST (OF APPENDICES	
A	BBR	REVIATIONS	6
E	XEC	CUTIVE SUMMARY	
1		INTRODUCTION	9
-	11	BACKGROUND	9
	1.1	OBJECTIVE	
	1.3	SCOPE OF WORKS	
2		SITE IDENTIFICATION AND LAND USE	
	2.1	SITE IDENTIFICATION	
3		SITE HISTORY	
-	3.1	LAND TITLES	12
	3.2	AERIAL PHOTOGRAPHS	
	3.3	EPA RECORDS	
	ź	3.3.1 CLM Act 1997	
	3.4	WORKCOVER NSW RECORDS	
	3.5	SPILL & LOSS HISTORY	
	5.0	SUMMART OF HISTORICAL LAND USE	
4	4.1	ENVIRONMENTAL SETTING	
	4.1	ACID SULEATE SOILS	
	4.2	SENSITIVE ENVIRONMENTAL RECEPTORS	
5	1.5	CEOLOCY AND HYDROCEOLOCY	21
5	51		21
	5.1	LOCAL HYDROGEOLOGY	
6	0.2	SITE DESCRIPTION	23
U	61	SITE DESCRIPTION	23
	6.2	SURROUNDING LAND USES	
7	0.2	SITE CHARACTERISATION	25
'	71	ADEAS OF DOTENTIAL ENVIDONMENTAL CONCEDN	25
	7.1	CONCEPTUAL SITE MODEL	
	;	7.2.1 Data Gaps	
8		CONCLUSION AND RECOMMENDATIONS	
Ľ	IMI	LATIONS	
R	EFE	RENCES	32



LIST OF TABLES

Table 1: Site Identification	11
Table 2: Land Title Information	12
Table 3: Summary of Historical Aerial Photos	15
Table 4: Summary of EPA Records	17
Table 5: Summary of Registered Groundwater Bore Records	21
Table 6: Surrounding Land Uses	24
Table 7: Summary of Potential Areas and Contaminants of Concern	25
Table 8: Conceptual Site Model	27

LIST OF FIGURES

- Figure 1: Site Locality
- Figure 2: Site Lot and DP Numbers
- Figure 3: Site Features



LIST OF APPENDICES

- APPENDIX A: SITE PLANS
- APPENDIX B: PROPOSED DEVELOPMENT PLANS
- APPENDIX C: PROJECT TEAM CVs
- APPENDIX D: SITE PHOTOGRAPHS
- APPENDIX E: GROUNDWATER BORE SEARCH
- APPENDIX F: LAND TITLE INFORMATION
- APPENDIX G: AERIAL PHOTOGRAPHS
- APPENDIX H: NSW EPA RECORDS
- APPENDIX I: WORKCOVER NSW SEARCH RECORDS
- APPENDIX J: IMPORTANT INFORMATION ABOUT YOUR ENVIRONMENTAL REPORT



ABBREVIATIONS

AIP	Australian Institute of Petroleum Ltd
ADWG	Australian Drinking Water Guidelines
ANZECC	Australian and New Zealand Environment and Conservation Council
AST	Aboveground Storage Tank
BGL	Below Ground Level
BTEX	Benzene, Toluene, Ethyl benzene and Xylene
COC	Chain of Custody
DQOs	Data Quality Objectives
EPA	Environment Protection Authority
ESA	Environmental Site Assessment
HIL	Health-Based Soil Investigation Level
LGA	Local Government Area
NEHF	National Environmental Health Forum
NEPC	National Environmental Protection Council
NHMRC	National Health and Medical Research Council
OCP	Organochlorine Pesticides
OPP	Organophosphate Pesticides
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PID	Photo Ionisation Detector
PQL	Practical Quantitation Limit
PSH	Phase Separated Hydrocarbon
QA/QC	Quality Assurance / Quality Control
RAC	Remediation Acceptance Criteria
RAP	Site Remediation Plan
RPD	Relative Percentage Difference
SAC	Site Assessment Criteria
SMP	Site Management Plan
SVC	Site Validation Criteria
TCLP	Toxicity Characteristics Leaching Procedure
TPH	Total Petroleum Hydrocarbons
UCL	Upper Confidence Limit
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
VHC	Volatile Halogenated Compounds



EXECUTIVE SUMMARY

Aargus Pty Ltd (Aargus) was appointed by Leighton Properties to undertake a Preliminary Site Investigation (PSI) for the property located at 472-486 Pacific Highway, St Leonards NSW (the site). The site is proposed for redevelopment into a new complex including a multi-unit residential building, a multi-level office building, retail development and open space including three levels of basement car parking.

A PSI was requested by Lane Cove Municipal Council to determine the potential for onsite contamination. This report shall provide a preliminary assessment of any site contamination and, if required, provide a basis for a more detailed investigation.

At the time of the inspection (5th September 2013), the site was used for commercial purposes. No. 472 Pacific Highway (the south eastern lot) was occupied by a Leighton office building: one third of the surface was occupied by a multilevel office building and the remaining two thirds comprised an outdoor parking area and a two level basement car park with access from Nicholson Street. No.486 Pacific Highway (the north western lot) was occupied by a multilevel office building a furniture store, a café, a childcare centre and a two level basement car park.

Based on the historical searches, the site was developed before 1930 and was divided into several lots used for residential purposes. The site was partly redeveloped for commercial use before 1972, when a bitumen car park fronting a large building is visible in the western lots and a service station appears to occupy the eastern corner. The land title documentation reports that a part of the site was owned by Ampol Petroleum between 1954 and 1982-83. The site was entirely demolished and redeveloped into its current layout before 1997. The current owners, Surfside Holding Pty Ltd and Leighton Contractors, acquired the site in 2001 and 2002 respectively. A search of EPA records revealed that the site did not have a notice in place under Section 58 of the CLM Act 1997 or POEO Act 1997. WorkCover NSW records did not identify any dangerous goods being stored on site.



The findings of the assessment indicated the following areas of potential environmental concern:

- Potential importation of uncontrolled fill that may contain various contaminants;
- Car park areas where leaks and spills from cars may have occurred;
- Presence of contaminants and/or hazardous material from the former substation;
- Presence of contaminants and/or hazardous material from the former service station in the north eastern corner of the site; and
- Asbestos / Fibro features within former or current building structures.

The contaminants that may be present in these areas were considered to be of low significance in terms of risk to the human and environmental receptors identified. However, a Detailed Site Investigation (DSI) is required to confirm the presence and extent of contamination in order to determine the suitability of the site for the proposed development and to address the data gaps identified.



1 INTRODUCTION

1.1 Background

Aargus Pty Ltd (Aargus) was appointed by Leighton Properties to undertake a Preliminary Site Investigation (PSI) for the property located at 472-486 Pacific Highway, St Leonards NSW (the site). The location of the property is presented in Figure 1 of Appendix A.

It is understood that the site is proposed for redevelopment into a new complex including a multi-unit residential building, a multi-level office building, retail development and open space including three levels of basement car parking. The proposed development plans can be found in Appendix B.

A PSI was requested by Lane Cove Municipal Council to determine the potential for onsite contamination.

This report was prepared with reference to the NSW Environment Protection Authority (EPA) "*Guidelines for Consultants Reporting on Contaminated Sites*" (2011).

1.2 Objective

The primary objectives of this PSI are as follows:

- Identify potential areas where contamination may have occurred from current and historical activities;
- Identify potential contaminants associated with potentially contaminating activities;
- Assess the potential for soils and groundwater to have been impacted by current and historical activities; and
- Assess the suitability of the site for redevelopment into a multilevel residential and commercial building including three levels of basement car parking based on its current condition and the findings of this investigation.



1.3 Scope of Works

The scope of works for this PSI includes:

- Review of the physical site setting and site conditions based on a site inspection, including research of the location of sewers, drains, holding tanks and pits, spills, patches of discoloured vegetation, etc. (where applicable);
- Research and review of the information available, including previous environmental investigations, current and historical titles information, review of aerial photographs, groundwater bore searches, EPA notices, council records, and site survey;
- Development of a preliminary Conceptual Site Model (CSM) to demonstrate the interactions between potential sources of contamination, exposure pathways and human/environmental receptors identified; and
- Recommendations for additional investigations should any data gaps be identified or possible strategies for the management of the site, where relevant.



2 SITE IDENTIFICATION AND LAND USE

2.1 Site Identification

The site is currently registered as SP73071 (Lot 1 in DP1070447) and Lot 1 in DP 628513, and is located at 472-486 Pacific Highway, St Leonards NSW as shown in Figure 2 of Appendix A. Site identification information is summarised in the table below.

Street Address	472-486 Pacific Highway	
Street Lat and DP Number	No. 472 - Lot 1 in DP 628513	
Street, Lot and D1 Number	No. 486 - SP 73071 (Lot 1 in DP 1070447)	
Coordinates (contra)*	Latitude: -33.824431126;	
Coordinates (centre)	Longitude: 151.197143859	
Local Government Area Lane Cove Municipal Council		
Parish	Willoughby	
County	Cumberland	
Current Site Owner	Leighton Contractors (No.472)	
Current Site Owner	Surfside (Willoughby) Holding P/L (No.486)	
	No. 472 – 2,666m ²	
Approx. Site Area	No. 486 – 2,469m ²	
	Total Site Area = $5,135m^2$	
Zoning B3 Commercial Core		

Table 1: Site Identification

* refer to maps.six.nsw.gov.au.



3 SITE HISTORY

3.1 Land Titles

A review of historical documents held at the NSW Department of Lands offices was undertaken to identify the current and previous land owners and potential land uses. A copy of the historical land titles information obtained by Aargus can be found in Appendix F and the results of the title search are summarised in the following table.

Year	Lot 1 DP 628513 (472 Pacific Highway)	
2002-current	Leighton Contractors Pty Ltd	
1989-2002	Leighton Holdings Limited	
	Prior: Vol. 14367, Fol. 148	
1985-1989	Permanent Trustee Nominees (Canberra) Limited	
1985-1995	Lease: Leighton Holdings Limited	
1985-1988	Lease: Priority Computer Limited (Ground and first floor)	
1986	Surrender of lease, Easement for Electrical Purposes	
1985	Sydney Council – Electrical Substation	
1983	Leighton Holdings Limited	
	Prior: Vol. 1323, Fol. 169	
1982-1983	Leightons Holdings Prt Ltd	
1954-1982	Ampol Petroleum Limited	
1934-1954	Kents Limited	
1929-1934	Henry George Kent	
1900-1929	George Minday	
	Prior: Vol. 2211, Fol. 203	
1982-1983	Leighton Holdings Limited	
1980-1982	Pacific Partitioning Properties	
1971-1980	Boysen Pty Ltd	
1953-1971	Eleanor Theresa McDorough	
1917-1953	Mary Anne McDorough	
	Prior: Vol. 4566, Fol. 250	
1983-1983	Leighton Holdings Pty Ltd	
1954-1983	Ampol Petroleum Limited	
1934-1954	Kents Limited	
1933-1934	Henry George Kent	
	Prior: Vol. 6350, Fol. 27	
1951-1983	Hastings Deering Building Limited	
	Prior: Vol. 6510, Fol. 48	
1982-1983	Leighton Holdings Pty Ltd	
1981-1982	Pacific Partitioning Pty Ltd	
1980-1981	Julmic Pty Ltd	
1970-1980	Boysey Prt Ltd	

Table 2: Land Title Information



1959-1970	Dennis Joseph Grahame	
1953-1959	Valeria Kathleen Baignet	
1952-1953	Anthony Wood Eaton	
1951-1952	Permanent Trustee Company	
1951-1951	Hasting Buildng	
1916-1951	Marion Ruby Eaton	
	Prior: Vol. 11173, Fol. 80	
1982-1983	Leighton Holdings Limited	
1981	Pacific Partitioning Properties Pty Ltd	
1970	Beyley Pty Ldt	
1970	John Yates	
1952	John Andrew Eaton	
1951	Anthony Wood Eaton	
1951	Hastings Deering Building Limited	
1951	Permanent Trustee Company	
1916	Marion Ruby Eaton	
Year	SP73071 (486 Pacific Highway)	
	Prior: Lot 1 DP 1070447	
2001-Current	Surfside (Willoughby) Holdings Pty Ltd	
	Prior: Lot 1 DP 629444	
2001	Surfside (Willoughby) Holdings Pty Ltd	
1999-2001	Sanderan Pty Ltd	
1989-1999	Nath Pty Ltd	
	Prior: Vol. 15034, Fol. 108	
1985-1989	Public Authority Superannuation Board	
1983-1985	Local Government Superannuation Board	
1983-1983	Abtila Pty Ltd	
	Prior: Vol. 7570, Fol. 168	
1982-1983	Abtila Pty Ldt	
1979-1982	Bettes Brushes Holdings Pty Ltd	
1958-1979	Bettes Brushes Holdings Pty Ltd	
	Prior: Vol. 3140, Fol. 21	
1955-1958	New Constructions Limited	
1954-1955	John James McCullan & Mary McCullan	
1948-1954	John Elias Moran	
1920-1948	Vera & Michael Elias Cohn	
	Prior: Vol. 3204, Fol. 204	
1958-1958	Albight & Wilson (Australia) Pty Ltd	
1957-1958	Bettes Brushes Limited	
-1953-1957	Ethel Femming & Veronica Flemming	
1921-1953	Michael Flemming	
	Prior: Vol. 7573, Fol. 32	
1982-1983	Abtilla Projects Pty Ltd	
1978-1982	Belvoire Gallery	
1970-1978	Alderson Projects Pty Ltd	
1968-1970	Jolymat Inestments	
1958-1968	Albright & Wilson (Australia) Pty Ld	
	Prior: Vol. 2195, Fol. 17	
1954-1955	Lew Constructions Limited	



1946-1954	Caroline White	
1935-1946	Vichnan Gabriel Cussach	
	Prior: Vol. 3204, Fol. 217	
1957	Peter Biches Properties	
1955-1957	New Constructions Limited	
1953-1953	Ethel Flemming. Maria Veronica Flemming	
1921-1953	Michael Flemming	
	Prior: Vol. 9795, Fol. 22	
1982-1983	Abtilla Projects Pty Ltd	
1965-1982	Alderson Projects Pty Ltd	
1964-1965	Elizabeth Lewis	
	Prior: Vol. 6510, Fol. 51	
1960-1964	Jem Elizabeth Lewis	
1952-1960	Marjorie Isabel Fry	
1945-1952	John Moore	
1914-1945	Abraham Jadria	
	Prior: Vol. 6510, Fol. 52	
1964-1964	Jem Elizabeth Lewis	
1960-1964	Edith Evelyn Lewis	
1958-1960	John & Andrew Eaton, Robert Eaton	
1952-1958	John Keith Lobban Eaton	
	Prior: Vol. 10673, Fol. 223	
1982-1983	Abtila Pty Ltd	
1971-1982	Alderson Projects Pty Ltd	
1967-1971	Joan Margaret Brown	
	Mary Anne MacKenzie	
1967-1983	Mary Anne Gillies	
1956-1967	John Douglas Morris	
1956-1956	Daphne Phylis Le Compte	
1955-1955	Frank Humphreys	
1955-1955	Daphne Phylis Morris	
1922-1955	Frank Humphreys	
1902-1922	William Thomas Dobson	
	Prior: Vol. 11500, Fol. 48	
1971-1983	Abtila Pty Ltd	
1970-1971	Alderson Projects Pty Ltd	
	Prior: Vol. 2259, Fol. 211	
1966-1983	Bertie Lovie	
1956-1966	Joseph William Vincint	
1922-1956	William James Vincint	
1922-1922	Richard Henry Morris	
1912-1922	William Thomas Dobson	



In summary, the land title information provided suggested that the site was originally subdivided in various lots, which were used both by private and commercial owners. Commercial uses included building companies, investment companies and government offices. Between 1954 and 1982-83, a section of No. 472 was owned by a petroleum company (Ampol petroleum Pty Ltd). In 1985, No.472 was leased to Sydney County Council and used as an electrical substation.

The north eastern lot (No.472) of the site was acquired by the current owner, Leighton Contractors, in 2002. The south western lot (No.486) of the site was acquired by the current owner, Surfside Holding Pty Ltd in 2001.

3.2 Aerial Photographs

Selected aerial photographs obtained from the NSW Department of Lands were reviewed to describe the site features and surrounding areas at various timelines. A summary of the review is presented in the table below and copies of current and historical aerial photographs are presented in Appendix G.

Year	Site	Surrounding areas
1930	The site appears to be subdivided into eight	NE: Pacific Highway then commercial/high rise
	separate lots, each one comprising low density	residential.
	residential dwellings, with the exception of the	SE: Low density residential.
	eastern lot which seem to be occupied by open	NW: Medium density residential or light
	space.	commercial.
		SW: Nicholson Street, then low density
		residential.
1951	No significant changes appear to have occurred	No significant changes appear to have occurred
	since the previous photo.	in the surrounding area in comparison to the
		previous photograph.
1972	The western corner of the site appears to have	No significant changes appear to have occurred
	been redeveloped into a bitumen/concrete sealed	in the surrounding area in comparison to the
	car park, fronting a two or three storey	previous photograph, with the exception of:

Table 3: Summary of Historical Aerial Photos



Year	Site	Surrounding areas	
	rectangular building, which replaced the	NW: A road has been built between the site and	
	previous residential houses. The open space in	the next block, which is now occupied by a	
	the eastern corner is now occupied by a	multi-level building.	
	commercial structure resembling a service	SW: Some of the residential properties were	
	station.	replaced by high rise buildings.	
1997	The entire site has been demolished and	No significant changes appear to have occurred	
	redeveloped into two main lots: the south eastern	in the surrounding area in comparison to the	
	one is occupied by a multi-level building with a	previous photograph, with the exception of:	
	large concrete sealed car park area. The north	SE: The residential properties have been	
	western lot is entirely occupied by a rectangular	replaced by large office buildings.	
	multilevel building, adjacent to the first one.	SW: A sports complex has been built across	
		Nicholson Street.	
2013	No significant changes appear to have occurred	No significant changes appear to have occurred	
(Google)	le) since the previous photo. in the surrounding area in comparison		
		previous photograph.	

In summary, the site appeared to have been developed for residential land use before 1930. The site was subdivided into several lots and the eastern corner appears to have been occupied by a commercial structure resembling a service station around 1972. The entire site was redeveloped into its current layout.

The surrounding land has generally experienced progressive redevelopment from low to medium residential land use into either high density residential or commercial, mainly between the 1950s and the 1970s.



3.3 EPA Records

3.3.1 CLM Act 1997

The NSW EPA publishes records of contaminated sites under Section 58 of the Contaminated Land Management (CLM) Act 1997. The notices relate to investigation and/or remediation of site contamination considered to pose a significant risk of harm under the definition in the CLM Act. However, it should be noted that the EPA record of Notices for Contaminated Land does not provide a record of all contaminated land in NSW.

A search of the EPA database revealed that the site is not listed and no other notices were listed within the St Leonards area. Two sites were listed within the Lane Cove Municipal Council area, however they were all located more than 3km away from the site.

Table 4: Summary of EPA Records

Issued Date of Notice	Suburb	Address	Site Name	Approx. Distance and Direction from Site
September 2005	Lane Cove	Lot 1 Sirius Road	Pacific Power	5km, West
			Property	
May 2012	Lane Cove North	428-432 Mowbray	Caltex Service	3km, Northwest
		Road	Station	

Copies of the EPA records are included in Appendix H.

3.4 WorkCover NSW Records

A search of the Stored Chemical Information Database (SCID) for licences to keep dangerous goods at the site was requested from the Work Cover NSW. A search was conducted on the 13th September 2013 pertaining No.472 Pacific Highway and the microfiche records held by WorkCover NSW has not located any records pertaining to this part of the site.

To date, the records pertaining to No.486 Pacific Highway have not been received yet.

Copies of the WorkCover search documentation are attached in Appendix I.



3.5 Spill & Loss History

At the time of the inspections, the sealed surfaces of the bitumen car park area were in a reasonably good condition, with no visible cracks. In addition, there were no visible signs of oil and/or chemical staining across the site.

3.6 Summary of Historical Land Use

The following information summarises historical land use of the site based on information obtained:

- Based on the aerial photographs and information from the land title searches, the site was developed before 1930 and was divided in several lots used for residential purposes.
- The site was partly redeveloped for commercial use before 1972, when a bitumen car park fronting a large building is visible in the western lots and a service station appears to occupy the eastern corner. The land title documentation reports that a part of the site was owned by Ampol Petroleum between 1954 and 1982-83.
- The site was entirely demolished and redeveloped into its current layout before 1997.
- The current owners, Surfside Holding Pty Ltd and Leighton Contractors, acquired the site in 2001 and 2002 respectively.
- A search of EPA records revealed that the site did not have a notice in place under Section 58 of the CLM Act 1997 or POEO Act 1997.
- WorkCover NSW records did not identify any dangerous goods being stored on No.472.



4 ENVIRONMENTAL SETTING

4.1 Topography and Surface Water Drainage

The site slopes steeply towards the south-west, although its original topography has been altered to achieve flat surfaces. The regional topography appears undulating and generally sloping towards the south- west or south- east.

Stormwater runoff from the site is expected to flow in a south-westerly direction and discharge into the stormwater drains located along Nicholson Street.

4.2 Acid Sulfate Soils

To determine whether there is a potential for acid sulphate soils to be present within a site, reference was made to the NSW Department of Land & Water Conservation (DLWC) *Acid Sulphate Soil Risk Maps* (Edition Two, December 1997, Scale 1:250,000). A review indicated that no map was available.

The following factors were considered to determine if ASS were likely to be present on site (extracted from ASSMAC (1998) Acid Sulphate Soils Assessment Guidelines):

- Sediments of recent geological age (Holocene) ~ 10 000 y.o.
- Soil horizons less than 5m AHD (Australian Height Datum).
- > Marine or estuarine sediments and tidal lakes.
- In coastal wetlands or back swamp areas; waterlogged or scalded areas; interdune swales or coastal sand dunes.
- In areas where the dominant vegetation is mangroves, reeds, rushes and other swamp tolerant and marine vegetation.
- In areas identified in geological descriptions or in maps bearing sulphide minerals, coal deposits or former marine shales/sediments.
- Deeper older estuarine sediments >10m below the ground surface, Holocene or Pleistocene age.



Given that the site was not located in any of the areas listed above, the presence of acid sulfate soils was considered to be unlikely.

4.3 Sensitive Environmental Receptors

The nearest watercourses are Gore Cove and Balls Head Bay, located approximately 1.2 km to the south and south west of the site. These were considered to be hydraulically down-gradient of the site.

The nearest recreational area down-gradient of the site is Smoothey Park, located approximately 500m southwest of the site.



5 GEOLOGY AND HYDROGEOLOGY

5.1 Local Geology

The Geological Map of Sydney (Geological Series Sheet 9130, Scale 1:100,000, 1983), published by the Department of Mineral Resources indicates the residual soils within the site to be underlain by Triassic Age Shale of the Wianamatta Group, comprising black to dark grey shale and laminite.

5.2 Local Hydrogeology

A search of the Department of Natural Resources (DNR) borehole database information revealed four (4) groundwater bores within a 1.5km radius of the site.

A summary of the relevant information provided by the registered groundwater bore record search is provided in the following table:

GW Bore ID	Approximate Location	Intended Purpose	Depth (m bgl)	Standing Water Level (m bgl)	Water Bearing Zones	Salinity (µS/cm)
GW108224	500m N	Domestic	132.4	35	Shale	N/A
GW072478	900m NW	Domestic	180.5	48	Dark Grey	270
					Shale	
GW108991	1,000m SW	Domestic	168	13	N/A	300
GW103591	1,000m NW	Monitoring	5.8	2.75	Sandy Clay	N/A

Table 5: Summary of Registered Groundwater Bore Records

Based on available information, our desktop study indicates that groundwater from site is likely to be flowing in a south-westerly direction towards Gore Cove and Balls Head Bay. The registered groundwater bores within a 1.5km radius of the site were used for domestic or monitoring purposes. However, the registered domestic groundwater bore located downgradient of the site and used for domestic purposes is unlikely to be used for human consumption since the site is not located within the SEPP boundary for the Sydney Drinking Water Catchment.



Based on bore records, groundwater is likely to be present within the clayey soils and weathered zone of the underlying shale bedrock in the area. Based on this geological sequence, groundwater between the two strata may be either semi-confined or confined with moderate to low recharge rates during heavy rainfall events.

The salinity records indicate the presence of freshwater within the boreholes.

A copy of the groundwater bore search records can be found in Appendix E.



6 SITE DESCRIPTION

6.1 Site Inspection

A site visit was carried out on Thursday 5th September 2013 by an Aargus field scientist to inspect the site for any potential sources of contamination and document any observations made regarding the current site conditions.

At the time of the site inspection, the following observations were made:

- The site was rectangular in shape.
- The main pedestrian access to the site is from the Pacific Highway, along the north eastern boundary. The main vehicular access to the site is through the basement car park entrance on Nicholson Street, along the south western boundary;
- The site comprises two different lots, identified as 472 and 486 Pacific Highway, St Leonards;
- The following observations were made for 472 Pacific Highway:
 - A multilevel office building used by Leighton House occupied the north eastern third of the lot and was made of glass, concrete and steel structures. The age of the building was estimated less than 10 years.
 - The remaining two thirds of the lot surface were occupied by an open car park area and two levels of basement car park. All car park surfaces were paved with concrete slab in good condition and no cracks or stains were observed.
- The following observations were made for 486 Pacific Highway:
 - The lot was occupied by a multilevel office building with commercial properties on the ground level, including a furniture store, a café and a childcare centre.
 - A two level basement car park was situated underneath the building.
 - The building was made of glass, concrete and steel structures.
- The site topography appears flat as the result of cutting activities. The surrounding area slopes steeply towards the south west, so that the bottom level of the basement car park is at street level along the south western side;



- Waste storage was observed in the form of three plastic bins on concrete pavement in the car space area;
- No surface standing water was noticed at the site;
- Minimal vegetation was present within the open car space area at No.472 and the café area at No.486;
- No evidence of chemical storage was observed;
- There are no indicators of underground storage tanks within the site; and
- No hazardous material was observed.

A site survey is presented in appendix A. The site features are presented in Figure 3 of Appendix A. Site photographs are included in Appendix D.

6.2 Surrounding Land Uses

The surrounding land uses identified are described in the table below:

Table 6: Surrounding Land Uses

Orientation	Description
North-East	Pacific Highway, then office buildings and retail.
North-West	Open space including concrete paved areas and garden beds, then office buildings
South-East	Office building and retail.
South-West	Nicholson Street, then office buildings



7 SITE CHARACTERISATION

7.1 Areas of Potential Environmental Concern

Based on the site inspection, site history, previous reports and review of available information from the desktop study, the potential Areas of Environmental Concern (AEC) and their associated Contaminants of Concern (CoC) for the site were identified. These are summarised in the following table.

contaminating activityCoCsof Site ImpactEntire siteImportation of fill material from unknown originMetals, TPH, BTEX, PAH, OCP, PCB, PCB, AsbestosLowBased on the site observations and site topography, the presence of imported fill material is likely to be minimal. The original topography was altered to achieve flat surfaces and this is likely to have been done through cutting activities.Car parking areasLeaks from vehiclesMetals, PCB, PCB, AsbestosLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos).	Potential AEC	Potentially	Potential	Likelihood	Justification
activityImpactEntire siteImportation of fill materialMetals, TPH, BTEX, PAH, OCP, PCB, Phenols, Cyanides, AsbestosLowBased on the site observations and site topography, the presence of imported fill material is likely to be minimal. The original topography was altered to achieve flat surfaces and this is likely to have been done through cutting activities.Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),		contaminating	CoCs	of Site	
Entire siteImportation of fill material from unknown originMetals, TPH, BTEX, PAH, OCP, PCB, Phenols, Cyanides, AsbestosLowBased on the site observations and site topography, the presence of imported fill material is likely to be minimal. The original topography was altered to achieve flat surfaces and this is likely to have been done through cutting activities.Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),		activity		Impact	
fill material from unknown originTPH, BTEX, PAH, OCP, PCB, Phenols, Cyanides, Asbestostopography, the presence of imported fill material is likely to be minimal. The original topography was altered to achieve flat surfaces and this is likely to have been done through cutting activities.Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos).	Entire site	Importation of	Metals,	Low	Based on the site observations and site
from unknown originBTEX, PAH, OCP, PCB, Phenols, Cyanides, Asbestosmaterial is likely to be minimal. The original topography was altered to achieve flat surfaces and this is likely to have been done through cutting activities.Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos).		fill material	TPH,		topography, the presence of imported fill
originPAH, OCP, PCB, Phenols, Cyanides, Asbestosoriginal topography was altered to achieve flat surfaces and this is likely to have been done through cutting activities.Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),		from unknown	BTEX,		material is likely to be minimal. The
PCB, Phenols, Cyanides, Asbestosachieve flat surfaces and this is likely to have been done through cutting activities.Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos).		origin	РАН, ОСР,		original topography was altered to
Phenols, Cyanides, AsbestosPhenols, Cyanides, Asbestoshave been done through cutting activities.Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),			PCB,		achieve flat surfaces and this is likely to
Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),			Phenols,		have been done through cutting activities.
Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),			Cyanides,		
Car parking areasLeaks from vehiclesMetals, TPH, BTEX, PAHLowThe bitumen pavements in the car park areas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),			Asbestos		
areasvehiclesTPH, BTEX, PAHareas were observed to be in good condition, with no cracks or staining. However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),	Car parking	Leaks from	Metals,	Low	The bitumen pavements in the car park
Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),	areas	vehicles	TPH,		areas were observed to be in good
However, some leaks from vehicles may have occurred prior to placement or refurbishment of the bitumen across the site.Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),			BTEX, PAH		condition, with no cracks or staining.
Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),					However, some leaks from vehicles may
Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),					have occurred prior to placement or
Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),					refurbishment of the bitumen across the
Building StructuresPotential Asbestos/Fibro FeaturesAsbestosLowNo fibre containing material was observed during the site inspection.Former SubstationPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),					site.
StructuresAsbestos/Fibro Featuresobserved during the site inspection.FormerPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),	Building	Potential	Asbestos	Low	No fibre containing material was
FeaturesFeaturesFormerPresence of hazardous insulatingHeavy metals, PAH, PCB,LowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),	Structures	Asbestos/Fibro			observed during the site inspection.
FormerPresence of hazardousHeavy metals, insulatingLowNo.472 was leased as an electrical substation between 1985 and 1986. Hazardous insulating materials (asbestos),		Features			
FormerFresence ofHeavyLowNo.472 was reased as an electricalSubstationhazardousmetals,substation between 1985 and 1986.insulatingPAH, PCB,Hazardous insulating materials (asbestos),	Former	Drasanaa of	Цаали	Low	No 472 was loosed as an electrical
insulating PAH, PCB, Hazardous insulating materials (asbestos),	Substation	hazardous	metals	LOW	substation between 1025 and 1026
PAR, PCD, Hazardous insulating inaterials (aspestos),	Substation	insulating	DALL DCD		Substation between 1985 and 1980.
materials, achieved a conductor fluids (PCP) and other		materials,	PAH, PCD,		Hazardous insulating inaterials (aspestos),
conductor fluids assessos, conductor fluids (PCB) and other		conductor fluids	aspesios,		contaminants associated with the
and other containmants associated with the		and other			presence of ash (DAH) or motal factures
contaminants presence of asin (PAH) of metal relatives (Heavy Matala) may have imported the		contaminants			(Hasyy Matala) may have impacted the
within the (Heavy Metals) may have impacted the		within the			(Heavy Metals) may have impacted the
substation site.		structures.			site.
Former Service Potential Metals, Low The historical aerial photograph and land	Former Service	Potential	Metals,	Low	The historical aerial photograph and land
Station presence of TPH, title documentation suggest that a service	Station	presence of	TPH,		title documentation suggest that a service
USTs, ASTs or BTEX, PAH station may have been present on the		USTs, ASTs or	BTEX, PAH		station may have been present on the
other chemical eastern corner of the site between 1954		other chemical	ŕ		eastern corner of the site between 1954
storage. Spills and 1982-83. However this part of the		storage. Spills			and 1982-83. However this part of the

Table 7: Summary of Potential Areas and Contaminants of Concern



Potential AEC	Potentially	Potential	Likelihood	Justification
	contaminating	CoCs	of Site	
	activity		Impact	
	and leaks from			site is likely to have been excavated to 3-
	tanks or			6m of depth to achieve a flat topography
	vehicles.			and build the current basement car park.

7.2 Conceptual Site Model

The Conceptual Site Model (CSM) presented in the table below provides a representation of the potential risks associated with the linkages between the following elements:

- Potential contamination sources and their associated contaminants of concern identified in Section 7.1. Only potential areas of concern with a significance rating of low were included; Potential human receptors that may be impacted by site contamination are current and future end-users, construction workers and the general public within the immediate vicinity;
- Potential environmental receptors identified in Section 4.3;
- Potential exposure pathways; and
- Whether each source-pathway-receptor pollution linkage are complete, limited or not present, based on current and future site conditions.



Potential Sources	Potential Receptor	Potential Exposure Pathways	Complete Linkages	Risk	Justification
Contaminated soil from placement of uncontrolled fill	Site users or the general public	Dermal contact, inhalation or ingestion of exposed	Limited (Current)	Low	The site is entirely sealed with concrete slab and direct contact with contaminated soil is considered unlikely.
across the site. Hydrocarbon spills and leakages from car parking areas.		impacted soils	No (Future)	Negligible	If present, contaminated soils are likely to be remediated and removed with the remaining soils from the basement excavation level for off-site disposal.
And former service station Contaminants from the former substation.	The aquatic ecosystems at Gore Cove and Balls Head Bay	Migration of impacted groundwater and surface water run-off	Yes (Current)	Low	No obvious sources of contamination were observed on site that could migrate off site with surface water run-off. Furthermore, percolation and contaminated runoff is unlikely to occur due to the presence of sealed surfaces across the site.
			No (Future)	Negligible	If present, contaminated groundwater is likely to be remediated and any remaining residual contamination would likely be at negligible concentrations.
	Underlying Aquifer	Leaching and migration of contaminants	Limited (Current)	Low	Groundwater infiltration is likely to be limited within shale bedrock zones.
		through groundwater infiltration	No (Future)	Negligible	If present, contaminated soils are likely to be remediated and removed with the remaining soils from the basement excavation level for off-site disposal.
Asbestos in buildings	Site user or visitors	Inhalation of airborne fibres	Limited (Current)	Low	If present, asbestos material is likely to be limited to the building fabric and would be in bonded form.
			No (Future)	Negligible	A hazardous materials survey is likely to be required prior to the demolition of the existing buildings for the proposed development and licensed contractors would have to remove any asbestos likely to be present.

Table 8: Conceptual Site Model



7.2.1 Data Gaps

Based on the CSM, the following data gaps were identified with respect to the pollution linkages identified:

- The presence and thickness of imported fill material, if any;
- The information pertaining to site contained in Section 149, as this document was not provided;
- WorkCover records in regards to Licenses to Keep Dangerous Goods pertaining to No.486 Pacific Highway, which was not received at the time this report was issued;
- The information pertaining to site contained in any Council records, as this searech was still being completed and
- Confirmation if contamination has occurred from current and historical site activities through collection and laboratory analysis of soil samples.



8 CONCLUSION AND RECOMMENDATIONS

The findings of the assessment indicated the following areas of potential environmental concern:

- Potential importation of uncontrolled fill that may contain various contaminants;
- Car park areas where leaks and spills from cars may have occurred;
- Presence of contaminants and/or hazardous material from the former substation;
- Presence of contaminants and/or hazardous material from the former service station in the north eastern corner of the site; and
- Asbestos / Fibro features within former or current building structures.

The contaminants that may be present in these areas were considered to be of low significance in terms of risk to the human and environmental receptors identified. However, a Detailed Site Investigation (DSI) is required to confirm the presence and extent of contamination in order to determine the suitability of the site for the proposed development and to address the data gaps identified.

Thank you for the opportunity to undertake this work. We would be pleased to provide further information on any aspects of this report.

For and on behalf of

Aargus Pty Ltd Written by:

, Tasindaros

Martina Carosi Environmental Scientist

Reviewed By:

/a.Juli

Davis Demillo Senior Environmental Engineer



LIMITATIONS

The Aargus assessment is based on the result of limited site investigations and sample testing. Neither Aargus, nor any other reputable consultant, can provide unqualified warranties nor does Aargus assume any liability for site conditions not observed or accessible during the time of the investigations.

Despite all reasonable care and diligence, the materials encountered and concentrations of contaminants measured may not be representative of conditions between the locations sampled and investigated. There is always some disparity in subsurface conditions across a site that cannot be fully defined by investigation. Hence it is unlikely that measurements and values obtained from sampling and testing during environmental works carried out at a site will characterise the extremes of conditions that exist within the site. In addition, site characteristics may change at any time in response to variations in natural conditions, chemical reactions, truck movement or contractor movement of soils and other events, e.g. groundwater movement and or spillages of contaminating substances. These changes may occur subsequent to Aargus investigations and assessment.

This report and associated documentation and the information herein have been prepared solely for the use of the client and interested parties at the time or writing the report and is valid (for the purposes of management or transport of material) for a period of one month only from the date of issue. Any other reliance assumed by third parties on this report shall be at such parties' own risk. Any ensuing liability resulting from use of the report by third parties cannot be transferred to Aargus.

Whilst this report provides a review of site conditions encountered at sampling locations within the investigation, it should be noted that if materials are proposed to moved from site - Part 5.6, Section 143 of the Protection of the Environment Operations (POEO) Act 1997 states that is an offence for waste to be transported to a place that cannot lawfully be used as a facility to accept that waste. It is the duty of the owner and transporter of the waste to ensure that all material removed from a site must be accompanied by an appropriate waste classification report and materials are disposed of appropriately. An environmental or validation report does not constitute a waste classification report and results are treated



differently. Aargus accepts no liability for the unlawful disposal of waste materials from any site. Aargus does not accept any responsibility for the material tracking, loading, management, transport or disposal of waste from the site. If material is to be removed from a site, before disposal of any material to a licensed landfill is undertaken, the site owner must ensure an appropriate waste classification exists for all materials on the site planning to be removed, the waste producer will need to obtain prior consent from the licensed landfill/recycler. The receiving site should check to ensure that the material received matches the description provided in the report.

Opinions are judgements, which are based on our understanding and interpretation of current regulatory standards, and should not be construed as legal opinions.

Appendix J – Important information about your environmental site report should also be read in conjunction with this report.



REFERENCES

This report was prepared with reference to the following guiding documents:

- ANZECC/NHMRC (1992) "Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites". Australian and New Zealand Environment and Conservation Council and the National Health and Medical Research Council, Canberra;
- ANZECC National Water Quality Management Strategy "Australian Water Quality Guidelines for Fresh and Marine Waters", 1992.
- CRC Care Technical Report No. 13 Soil Vapour Assessment (August 2009);
- Department of Urban Affairs and Planning EPA (1998) "Managing Land Contamination – Planning Guidelines – SEPP 55 – Remediation of Land";
- National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No.1);
- NSW DEC, "Guidelines for the Assessment and Management of Groundwater Contamination" (March 2007);
- NSW DEC "Guidelines for the NSW Site Auditor Scheme" (2006, 2nd edition). NSW Environment Protection Authority, Sydney;
- NSW DECC (2009) "Waste Classification Guidelines, Part 1: Classifying Waste";
- NSW DECCW, "Vapour Intrusion: Technical Practice Note", (September 2010);
- NSW EPA "Guidelines for Assessing Service Station Sites" (1994). NSW Environment Protection Authority, Sydney;
- NSW EPA "Guidelines for Consultants Reporting on Contaminated Sites" (2011). NSW Environment Protection Authority, Sydney;
- NSW EPA "Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997" (2009). NSW Environment Protection Authority, Sydney;
- NSW EPA "Sampling Design Guidelines" (1995). NSW Environment Protection Authority, Sydney.



APPENDIX A





LOCALITY MAP



Job No: ES5599

SITE LOT & DP PLAN



Source: Google 2013 Fig 2 ES5599

SITE FEATURES



N



2Upper3Lower	to
3 Lower	r
	r
4 Furnit	tι
5 Café	
6 Childo	Ca
7 Pedes	st
8 Office	5

ABN 75 050 212 710

Aargus Pty Limited

Environmental – Remediation – Geotechnical Engineering

Drawn	NZ	Preliminary Site Investigation
Approved	МК	Leighton Properties
Date	03/09/2013	472-486 Pacific Highway,
Approx. Scale	1:870	St Leonards NSW





Source: Google 2013

Site Boundary

No. 472 Site Features

No. 486 Site Features

Surrounding area features

on Office Building level outdoor car park level outdoor car park ure store

are centre trian Area (concrete) Building



ES5599


SS86492 RL 83.697 (SCIMS 15th Feb. 2012)

0.05m ,

HORIZONTAL +/- 0.05m

PLAN OF BOUNDARIES AND SELECTED SURROUNDING FEATURES

PROJECT No. 228088-001-01 DRAWING No. VS001 DREV SIZE

486 PACIFIC HIGHWAY ST LEONARDS

THE POSITION AND EXTENTS OF LEASE W497488 HAS NOT BEEN SHOWN IN THIS PLAN.

CATE OF TITLE FOR THE COMMON PROPERTY OF SP73071 SHOWS DEALING W497488 LEASE OF A SUB RIGHT OF WAY TO SYDNEY COUNTY COUNCIL TERMINATING ON 31 DECEMBER 2010.

DENOTES SUBSTATION NO 5991 LEASED TO SYDNEY COUNTY COUNCIL (W204537)

DENOTES RIGHT OF WAY AND EASEMENT FOR ELECTRICITY PURPOSES LEASED TO SYDNEY COUNTY COUNCIL (W204537)

DENOTES RIGHT OF WAY (4 WIDE) LEASED TO SYDNEY COUNTY COUNCIL (W204537)

FURTHER LEASE NOTES:

PROPOSED EASEMENTS AS DEFINED BY UNREGISTERED PLAN By MR. SURVEYOR SCERRI (DATED 18-8-2009) HAVE NOT BEEN INVESTIGATED OR SHOWN HEREON

THE BOUNDARIES OF FRIEDLANDER PLACE ARE SUBJECT TO A FURTHER OVERALL BOUNDARY SURVEY AND THE REGISTRATION OF A PLAN OF REDEFINITION AT L.P.I. NSW.

'HE BOUNDARIES AND AREAS SHOWN ARE SUBJECT TO A FURTHER OVERALL BOUNDARY SURVEY AND THE (EGISTRATION OF A PLAN OF RE-DEFINITION AT LAND AND PROPERTY INFORMATION, NSW. OPOSED EASEMENTS WITHIN FRIEDLANDER PLACE HAVE NOT BEEN INVESTIGATED AND ARE NOT

THE SOUTH EASTERN BOUNDARY OF SP82937 AND SP69455 (BEING THE NORTH WESTERN BOUNDARY OF FRIEDLANDER PLACE) HAVE NOT BEEN DEFINED BY THIS SURVEY AND ARE NOT SHOWN HEREON.

APPENDIX B

PROPOSED DEVELOPMENT PLANS









APPENDIX C

PROJECT TEAM CVs



M A R T I N A C A R O S I

DATE OF BIRTH	4 th December 1978
EDUCATIONAL	Bachelor Natural Science (Hon), University of Pisa (Italy), Master of Applied Science Coastal Management, University of Sydney
PUBLICATIONS	Thesis: "Environmental Quality Assessment of Monte Rufeno Regional Natural Reserve (Lazio, Italy)"
FIELDS OF SPECIAL	Project management for Environmental Site
COMPETENCE	Assessments (ESA) Stage 1 and 2; planning and implementation of remediation strategies for contaminated sites including petroleum and mining sites; client liaison and management; coordination
	and management of fieldwork operations.

EXPERIENCE:

2012 – Present:	Environmental Scientist, Aargus Pty Ltd
2008 – 2012:	Environmental Scientist, SMEC Australia Pty Ltd
2006 – 2008:	Environmental Scientist, Coffey Environments Pty Ltd

MAJOR PROJECTS



- Groundwater Monitoring Program, ANZAC Rifle Range, Maroubra NSW -Environmental monitoring and sampling of groundwater and surface water to provide accurate, quality assured information on the environmental performance of former landfill and its influence on the adjacent Maroubra beach
- Intrusive Environmental Investigation, Hickson Rd, Millers Point Currently a city road under the management of City of Sydney Council, the site used to allocate a gas work plant at the beginning of 1900s. The site, where high levels of contamination were encountered, is currently under investigation for the provision of a comprehensive Remediation Action Plan in the near future.
- Groundwater and Surface Water Monitoring Program, RAAF Air Base, Richmond -Groundwater and surface water monitoring program including a review of site history and previous environmental studies and undertaking a 3-year program of fieldworks. The site presents several areas of environmental concern affected by TPH and heavy metal contamination, due to the activities undertaken at the site in the past.

ENVIRONMENTAL PROJECTS

- Remediation Action Plan and Validation, Former Stockton Rifle Range, Stockton NSW The site was used as a training firing facility by the Australian Army and is now being remediated to be used as a public beach. Investigation and remediation works included the identification of areas of environmental concern affected by the presence of lead projectiles, and removal of lead impacted beach sand.
- ESA Stage 2, Pacific Highway, Wyong Former industrial site comprising abandoned USTs and storage of various hazardous materials. The site is scheduled for commercial development. Responsible for site investigation work including; review of available site history, planning, soil sampling, installation of groundwater monitoring wells, assessment of the laboratory test results and reporting.
- Groundwater Monitoring Program, Wingecaribee Swamp, Robertson NSW -Environmental monitoring and sampling of groundwater to provide accurate, quality assured information on the environmental performance of the former landfill, scheduled for rehabilitation by the NSW Department of Finance.
- Groundwater investigation, Former Shell Service Station, Toukley NSW- Currently vacant site surrounded by residential properties affected by the presence of hydrocarbon contamination within the soil and groundwater at the site. The investigation included several rounds of groundwater monitoring.
- Review of Environmental Factors (REF), Sunny Corner Mine Site NSW The Sunny Corner Mine Site appears to be the cause of the generation of Acid and Metalliferous Drainage which is adversely impacting the surrounding water system. A preliminary environmental investigation involving surface water, fluvial sediment and stockpile material sampling and analysis has been carried out to delineate the extent of the contamination and the baseline for a remediation and rehabilitation strategy.
- Esa Stage 2, Kingsgrove to Revesby Railway Environmental investigation designed to complement the K2R2 Railway Quadrupliation Project. The investigation included the excavation of environmental and geotechnical boreholes and test pits to identify the presence of contaminated fill and describe the geotechnical properties of the encountered materials.

PROJECT MANAGEMENT

- Phase II ESA, 187 George Street, Parramatta NSW. Soil and groundwater environmental assessment of a commercial property featuring a tyre retail facility. The site needs certification for ongoing commercial/industrial site use for future redevelopment.
- Groundwater Monitoring Program, Lucas Heights Landfill, Lucas Heights NSW -Environmental monitoring and sampling of groundwater and surface water to provide accurate, quality assured information on the environmental performance of the current landfill and its influence on the surrounding bushland.
- Hazardous Material Investigation, HMAS Water hen Car Park, Waverton NSW -Additional investigation carried out to assess the presence of asbestos in soil and assess the status of contamination that will allow the site remediation and redevelopment. Scope of work included test pitting inspection, collection of soil samples, interpretation of site history and laboratory results and reporting.
- Groundwater Monitoring Program, ANZAC Rifle Range, Maroubra NSW -Environmental monitoring and sampling of groundwater and surface water to provide accurate, quality assured information on the environmental performance of former landfill and its influence on the adjacent Maroubra beach.



DAVIS DEMILLO

DATE OF BIRTH EDUCATIONAL QUALIFICATIONS

AFFILIATIONS FIELDS OF SPECIAL COMPETENCE

26th August 1973 BEng (Environmental), University of Wollongong Bonded Asbestos Removal - TAFE NSW, 2009 Erosion and Sediment Control - Soil Conservation Services, 2009 Member Institute of Engineers, Australia

Contaminated Land Investigations; Contaminated Land Remediation Management; Site Conceptual Modelling; Qualitative/Quantitative Risk Assessments (Human Health, Environment & Groundwater); Waste Management Strategies; Environmental Impact Statements/Assessments; Environmental Management Systems and Due Diligence; Project Management

EXPERIENCE:

Aug 2012 - Present:	Senior Environmental Engineer, Aargus Pty Ltd;
Oct 2010 – Jul 2012:	Senior Environmental Engineer, Golder Associates;
2008 – Oct 2010:	Senior Environmental Advisor, Jemena;
Feb 2007 – 2008:	Environmental Engineer, Coffey Environments;
Sep 2003 – Jan 2007:	Environmental Engineer, Hyder Consulting;
2003 – 2003:	Environmental Engineer, Environmental Investigation
	Services;
2002:	Environmental Engineer, NSW EPA;

MAJOR PROJECTS

- Barangaroo (30-38 Hickson Rd, Miller's Point, NSW). Management of the site investigations for the former gasworks site, declared by the DECCW as an area of investigation. The investigation targeted deep contamination of groundwater within the bedrock due to high levels of benzene and other hydrocarbons found in adjacent sites;
- Former Gasworks Sites at Mortlake, Oyster Cove, Bowral, Goulburn, Newcastle, Muswellbrook and Barangaroo NSW. Lead technical advisor for contaminated sites for Jemena, including due diligence, community/stakeholder/regulator liaisons and managing environmental aspects of sites for purchase, lease or decommissioning. Projects included remediation of contaminated sediments at Kendall Bay and due diligence on former gasworks sites;
- Annual Groundwater Management Events (Weipa, Australia). Managed the annual groundwater monitoring events at multiple sites within the Weipa region for a large mining client. (Contract value: AUD \$500K);



- Roath Basin South Redevelopment Cardiff, Wales. Conducted desk studies; produced tender documents; designed, managed and supervised Phase 3 and Phase 3 geo-environmental and geotechnical investigations for the 25ha former docklands site. Developed the quantitative risk assessment and hydrogeological conceptual site model, which led to development approval by the Environmental Agency. (Contract Value: GBP 200 million);
- Ely Bridge Cardiff Infrastructure Strategy Cardiff, Wales. Conducted desk studies, produced tender documents and designed the preliminary ground investigation. Produced a geotechnical/geo-environmental assessment report which led to the approval of a phased redevelopment of the site by the Environment Agency. (Contract Value: GBP 150 million);
- Port Tawe Redevelopment Swansea, Wales. Produced a Tier 2 contamination risk assessment for human health including derivations of remedial targets for surrounding water bodies of the former docklands, which led to the approval of planning consents by the Environmental Agency. (Contract Value: GBP 500 million);
- Obha North Sewage Treatment Works Doha, Qatar. Managed and supervised the ground investigation for the proposed sewerage network located in the catchment area north of Doha. The proposed system would comprise tunnel alignment, associated pipelines, interceptor trunks, a STW and pumping stations with depths up to 40m. Produced a geotechnical report to assist with tunnelling design. (Contract Value: QR 450 million)

ENVIRONMENTAL PROJECTS

- Groundwater Remediation (Thursday Island, Australia). Managed additional investigations and the design of the collection/treatment system for remediation of hydrocarbon impacted groundwater;
- Groundwater Remediation (Manunda, Cairns, Australia). Managed monthly GMEs and soil vapour monitoring from a former dry cleaning site and the adjacent caravan park site where off-site contamination of chlorinated solvents were identified. Managed the additional investigation of the caravan park site utilising a Membrane Interface Probe (MIP);
- Yungaburra Estate (Yungaburra, Australia). Managed the remediation of the former plywoods site impacted by arsenic and hydrocarbons. Subsequently, the site was successfully removed from the Environmental Management Register (EMR);
- Cairns International Airport (Cairns, Australia). Managed the investigation of hydrocarbon contaminated bays and plane re-fuelling areas;
- Remediation of Former Plywoods (Cairns, Australia). Prepared the Site Management Plan and Remediation Action Plan for the commercial development of the former plywoods site. The project comprised the creation of a barrier layer between site receptors and the underlying hydrocarbon/metals contaminated soils;
- Iron Cove Bridge NSW. Developed a preliminary assessment of sediment contamination for the proposed duplication of Iron Cove Bridge, which included a robust study of the catchment area, its surrounding environment and past heavy polluting industries;
- ALDI (Wyong, Thornleigh, Lakemba) NSW. Management of combined environmental and geotechnical investigations for proposed ALDI sites;
- Bankstown Former Practice Trotting Track NSW. Implemented the RAP for remediation and validation of asbestos-impacted soils, paving the way for



construction works to commence with successful site suitability sign-off from a Site Auditor;

- Whiteheads Works Redevelopment Newport, Wales. Developed a remedial options report for zinc contamination, resulting in an agreement of the preferred remediation works with the Environment Agency. Produced a tender document for purging of the entire drainage system;
- Anuerin Crescent Former Landfill Site Brynmawr, Wales. Produced a desk study report and supervised the ground investigation of the former landfill site including gas/groundwater monitoring;
- Cardiff WWTW Fragmentation Tip Cardiff, Wales. Managed the 5-year gas/groundwater monitoring programme for the former landfill site for environmental due diligence requirements;
- Lady Windsor Colliery Ynysybwl, Wales. Completed a geotechnical/geoenvironmental desk study and interpretative report for a proposed housing/infrastructure redevelopment on the former colliery site;
- Jemena Sites NSW/QLD/ACT. Developed the environmental processes of Jemena's Project Management Methodology; Developed key EMS documents for environmental incident reporting/classification, soil management, contaminated land management and environmental aspects & impacts; Designed and oversaw the creation of Jemena's environmental webpage within the intranet, which contains key environmental documentation for staff; Developed and trained NSW/ACT personnel and HSE Advisors on environmental obligations; Initiated and organised Jemena's preferred panel of environmental service providers (consultants and contractors), including negotiation of contractual terms, conditions and rates; Assisted with the audit of over 70 electricity substations in VIC for environmental due diligence;
- S Jemena Depots and Offices Nationwide, Australia. Developed a national waste management framework / policy, which involved audits on waste expenditure and an inventory of both office and construction waste types generated across the business. Negotiated national panels and rates for waste management service providers and initiated waste management plans for a number of depots/offices. Developed various standard operating procedures and compliance guides relating to waste management and other environmental issues.

GEO-TECHNICAL AND CIVIL ENGINEERING PROJECTS

- Al Ain to Dubai Road Widening Dubai, UAE. Conducted a detailed geotechnical / structural survey along the proposed 50km route, produced a scope of GI works and developed tender documents for the proposed 2-lane extension on the existing dual carriageway. The survey included existing embankments, culver crossings, wadi bridges and existing overhead bridges;
- Khalifa City A and B Development Abu Dhabi, UAE. Carried out site inspections and desk studies to determine causes of road collapses and structural failures within the proposed development area. These were found to be associated with differential settlements caused by uncontrolled dewatering and naturally occurring underground cavities. The findings formed the basis for the proposal of remedial works;
- N22 Ballyvourney- Macroom-Ballincollig Road Scheme Cork, Ireland. Conducted a site survey to obtain background information for the proposed bypass along a 20+km section of the existing N22 highway. Produced the geology chapter for the Environmental Impact Statement;



- Ealing Bridges London, England. Calculated and modelled the settlements of 2 bridge extensions located in London with design considerations given to bridge support over a train line and underground services using abutments and caissons;
- Blaenserchan Phase 1 Implementation Works Blaenserchan, Wales. Produced a tender document for civil engineering works to be carried out on the former colliery site. The scope of works included shaft capping, grouting of basement shafts, brickwork/stonework, general earthworks and other minor civil works;
- Lady Windsor Colliery Ynysybwl, Wales. Completed a geotechnical/geoenvironmental desk study and interpretative report for a proposed housing/infrastructure redevelopment on the former colliery site.



APPENDIX D

SITE PHOTOGRAPHS



SITE PHOTOGRAPHS

Client	Leighton Properties	
Project	Preliminary Site Investigation	
Location	472-486 Pacific Highway, St Leonards NSW	
Job No.	E\$5599	Aarous
Checked By	MK	Aurgus

Photograph Nº 1



View of the frontage of No.472 on Pacific Highway

Photograph Nº 3



Lower level of the open car park at No.472





Lower level of the basement carpark with vehicular entrance on Nicholson Street

Photograph Nº 2



The upper level of the open car park at No.472

Photograph Nº 4



The basement carpark at No.472 with concrete sealed surface in good condition.

Photograph Nº 6



The southern side of the multi storey Leighton Building.

SITE PHOTOGRAPHS

Client	Leighton Properties	
Project	Preliminary Site Investigation	
Location	472-486 Pacific Highway, St Leonards NSW	
Job No.	ES5599	Aarous
Checked By	MK	Adigus

Photograph Nº 7



View of the frontage of No.486 on Pacific Highway

Photograph Nº 9



General appearance of the sealed surface of the ground level

Photograph Nº 11



The main building includes a childcare centre on the ground level

Photograph Nº 8



Commercial premises on the ground level

Photograph Nº 10



Pedestrian access to the main building along the north wesatern side of the site

Photograph Nº 12



Basement car park with main entrance on Nicholson Street

APPENDIX E

GROUNDWATER BORE SEARCH



Groundwater Works Summary

For information on the meaning of fields please see <u>Glossary</u> Document Generated on Tuesday, September 3, 2013

Print Report

Works Details Site Details Form A Licensed Construction Water Bearing Zones Drillers Log

Work Requested -- GW108991

Works Details (top)

GW108991
10WA109008
DOMESTIC
DOMESTIC
Bore
Private
2008-07-08
168.00
WONDAKIAH
фея
**
13.00
300.00
0.12

Site Details (top)

REGION	10 - SYDNEY SOUTH COAST
RIVER-BASIN	
AREA-DISTRICT	
CMA-MAP	
GRID-ZONE	
SCALE	
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6254538.00
EASTING	332929.00
LATITUDE	33 50' 10"
LONGITUDE	151 11' 40"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	

REMARK

Form-A (top)

COUNTY	CUMBERLAND
PARISH	WILLOUGHBY
PORTION-LOT-DP	1//270176

Licensed (top)

COUNTY	CUMBERLAND
PARISH	WILLOUGHBY
PORTION-LOT-DP	1 270176

Water Bearing Zones (top)

no details

Drillers Log (top)

no details

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

Groundwater Works Summary

For information on the meaning of fields please see <u>Glossary</u> Document Generated on Tuesday, September 3, 2013

Print Report

Works Details Site Details Form A Licensed Construction Water Bearing Zones Drillers Log

Work Requested -- GW072478

Works Details (top)

GROUNDWATER NUMBER	GW072478
LIC-NUM	
AUTHORISED-PURPOSES	
INTENDED-PURPOSES	DOMESTIC
WORK-TYPE	Bore
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	Rotary
OWNER-TYPE	(Unknown)
COMMENCE-DATE	
COMPLETION-DATE	1995-01-10
FINAL-DEPTH (metres)	180.50
DRILLED-DEPTH (metres)	180.50
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	
GWMA	
GW-ZONE	
STANDING-WATER-LEVEL	48.00
SALINITY	270.00
YIELD	0.70

Site Details (top)

10 - SYDNEY SOUTH COAST
9130-3N
56/1
1:25,000
6256317.00
332277.00
33 49' 12"
151 11' 16"
56
Unidentified Location

REMARK

Form-A (top)

COUNTY	CUMBERLAND
PARISH	WILLOUGHBY
PORTION-LOT-DP	101//1075748

Licensed (top)

no details

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter; ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE- NO	PIPE- NO	COMPONENT- CODE	COMPONENT- TYPE	DEPTH- FROM (metres)	DEPTH- TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	5.40	210			Rotary
1		Hole	Hole	5.40	180.50	158			Rotary
1	1	Casing	Steel	-0.50	5.40	168.3	158.7		C: 0-5.4m; Driven into Hole

Water Bearing Zones (top)

FROM- DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK- CAT- DESC	S-W- L	D- D- L	YIELD	TEST-HOLE- DEPTH (metres)	DURATION	SALINITY
29.70	30.10	0.40				0.20	30.50	0.25	230.00
138.00	139.80	1.80				0.30	142.50	0.25	270.00
143.80	144.50	0.70		48.00		0.20	180.50	0.50	270.00

Drillers Log (top)

FROM	то	THICKNESS	DESC	GEO- MATERIAL	COMMENT
0.00	2.50	2.50	CONCRETE OVERBURDEN		
2.50	5.10	2.60	MOIST CLAY		
5.10	28.70	23.60	L/G MED. GRAIN SANDSTONE		
28.70	30.10	1.40	LIGHT GREY MED. GRAIN S/STONE QUARTZ MATRIX		
30.10	35.90	5.80	L/GREY GRAIN SANDSTONE		
35.90	37.20	1.30	L/GREY MED GRAIN S/STONE QUARTZ MATRIX		
37.20	45.30	8.10	L/GREY MED GRAIN S/STONE		
45.30	54.30	9.00	DARK GREY SHALE		
54.30	72.40	18.10	L/GREY CEMENTED S/STONE		
72.40	75.40	3.00	DARK GREY SHALE		
75.40	109.70	34.30	L/GREY MED GRAIN S/STONE		
109.70	110.60	0.90	QUARTZ LAYER		
110.60	121.80	11.20	L/GREY MED GRAIN S/STONE		

121	1.80	123.30	1.50	DARK GREY SHALE
123	3.30	135.40	12.10	L/GREY MED GRAIN S/STONE
135	5.40	138.00	2.60	L/GREY MED GRAIN S/STONE QUARTZ MATRIX
138	3.00	139.80	1.80	WATER BEARING QUARTZ
139	9.80	143.80	4.00	L/GREY MED GRAIN S/STONE QUARTZ MATRIX
143	3.80	144.40	0.60	WATER BEARING QUARTZ
144	4.40	154.10	9.70	L/GREY CEMENTED SANDSTONE
154	4.10	163.70	9.60	L/GREY MED GRAIN S/STONE QUARTZ MATRIX
163	3.70	166.90	3.20	QUARTZ LAYER
166	3. 9 0	168.70	1.80	GREY MED GRAIN S/STONE
168	3.70	180.50	11.80	L/GREY MED GRAIN SANDSTONE

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

Groundwater Works Summary

For information on the meaning of fields please see <u>Glossary</u> Document Generated on Tuesday, September 3, 2013

Print Report

Works Details Site Details Form A Licensed Construction Water Bearing Zones Drillers Log

Work Requested -- GW108224

Works Details (top)

GROUNDWATER NUMBER	GW108224
LIC-NUM	10WA109080
AUTHORISED-PURPOSES	DOMESTIC
INTENDED-PURPOSES	DOMESTIC
WORK-TYPE	Bore
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	Down Hole Hammer
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	20060905
FINAL-DEPTH (metres)	132.40
DRILLED-DEPTH (metres)	132.40
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	PITTORINO
GWMA	we.
GW-ZONE	Ne
STANDING-WATER-LEVEL	35.00
SALINITY	
YIELD	0.30

Site Details (top)

REGION	10 - SYDNEY SOUTH COAST
RIVER-BASIN	
AREA-DISTRICT	
CMA-MAP	
GRID-ZONE	
SCALE	
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6256404.00
EASTING	333214.00
LATITUDE	33 49' 10"
LONGITUDE	151 11' 52"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	GIS - Geographic Information System

REMARK

Form-A (top)

COUNTY	CUMBERLAND
PARISH	WILLOUGHBY
PORTION-LOT-DP	1 306386

Licensed (top)

COUNTY	CUMBERLAND
PARISH	WILLOUGHBY
PORTION-LOT-DP	1 306386

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter; ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE- NO	PIPE- NO	COMPONENT- CODE	COMPONENT- TYPE	DEPTH- FROM (metres)	DEPTH- TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	2.50	203			Down Hole Hammer
1		Hole	Hole	2.50	132.40	165			Down Hole Hammer
1	1	Casing	Steel	-0.40	2.60	165	155.4		Driven into Hole; Suspended in Clamps; Open End
1	1	Casing	PVC Class 9	-0.40	71.60	140			Screwed and Glued; Suspended in Clamps
1		Annulus	Concrete	0.00	2.50	203			

Water Bearing Zones (top)

FROM- DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK- CAT- DESC	S- W- L	D- D- L	YIELD	TEST-HOLE- DEPTH (metres)	DURATION	SALINITY
29.00	35.00	6.00				0.10			1750.00
98.00	100.00	2.00				0.20			970.00

Drillers Log (top)

FROM	то	THICKNESS	DESC	GEO-MATERIAL COMMENT
0.00	0.60	0.60	clay, sandy	
0.60	2.80	2.20	sandstone, weathered	
2.80	3.10	0.30	clay	
3.10	25.50	22.40	sandstone, weathered	
25.50	27.00	1.50	sandstone, grey quartz	
27.00	29.00	2.00	shale	

29.00	35.00	6.00	sandstone, quartz grey
35.00	41.00	6.00	shale
41.00	52.00	11.00	sandstone, grey
52.00	54.00	2.00	sandstone, quartz grey
54.00	61.00	7.00	sandstone, grey
61.00	65.00	4.00	shale
65.00	81.00	16.00	sandstone, grey
81.00	84.00	3.00	sandstone, grey quartz siltstone
84.00	98.00	14.00	sandstone, grey
98.00	100.00	2.00	sandstone, grey quartz
100.00	106.50	6.50	sandstone, grey
106.50	109.00	2.50	sandstone, dark brown
109.00	110.50	1.50	sandstone, grey quartz
110.50	112.00	1.50	siltstone
112.00	132.40	20.40	sandstone, grey

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

Groundwater Works Summary

For information on the meaning of fields please see <u>Glossary</u> Document Generated on Tuesday, September 3, 2013

Print Report

Works Details Site Details Form A Licensed Construction Water Bearing Zones Drillers Log

Work Requested -- GW103591

Works Details (top)

GROUNDWATER NUMBER	GW103591
LIC-NUM	10BL159969
AUTHORISED-PURPOSES	MONITORING BORE
INTENDED-PURPOSES	MONITORING BORE
WORK-TYPE	Bore
WORK-STATUS	Equipped - bore used for obs
CONSTRUCTION-METHOD	Rotary
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	2001-01-11
FINAL-DEPTH (metres)	5.80
DRILLED-DEPTH (metres)	5.80
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	REIL DEALERSHIP
GWMA	-
GW-ZONE	
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details (top)

REGION	10 - SYDNEY SOUTH COAST
RIVER-BASIN	
AREA-DISTRICT	
CMA-MAP	
GRID-ZONE	
SCALE	
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6256917.00
EASTING	332388.00
LATITUDE	33 48' 53"
LONGITUDE	151 11' 21"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	

REMARK

Form-A (top)

COUNTY	CUMBERLAND
PARISH	WILLOUGHBY
PORTION-LOT-DP	1//519313

Licensed (top)

COUNTY	CUMBERLAND
PARISH	WILLOUGHBY
PORTION-LOT-DP	1 519313

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter; ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE- NO	PIPE- NO	COMPONENT- CODE	COMPONENT- TYPE	DEPTH- FROM (metres)	DEPTH- TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	5.80	125			Auger
1	1	Casing	P.V.C.	0.00	2.80	60	50		C: 02m; Screwed; Seated on Bottom; Cap
1	1	Opening	Screen	2.80	5.80	60			PVC Class 18; A: .5mm; Screwed
1		Annulus	(Unknown)	1.90	5.80				Graded; GS: 1-2mm; Q: 40m ³

Water Bearing Zones (top)

FROM- DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK- CAT- DESC	S- W-L	D- D- L	YIELD	TEST-HOLE- DEPTH (metres)	DURATION	SALINITY
4.00	5.80	1.80		4.00					

Drillers Log (top)

FROM	то	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	2.00	2.00	ROAD BASE		
2.00	4.00	2.00	CLAY		
4.00	5.80	1.80	SANDY CLAY		

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



APPENDIX F

LAND TITLE INFORMATION





No. 57

TITLE SEARCH

Computer Folio Certificate issued under Section 96D of the Real Property Act 1900

COMPUTER FOLIO REFERENCE

1/1070447

EDITION No. & DATE OF CURRENT CERTIFICATE OF TITLE CANCELLED

Page 1

WARNING: ****** FOLIO CANCELLED ******

CERTIFICATE OF TITLE HAS NOT ISSUED

LAND

LOT 1 IN DEPOSITED PLAN 1070447 AT ST LEONARDS LOCAL GOVERNMENT AREA LANE COVE PARISH OF WILLOUGHBY COUNTY OF CUMBERLAND TITLE DIAGRAM DP1070447

FIRST SCHEDULE

SURFSIDE (WILLOUGHBY) HOLDINGS PTY LIMITED

SECOND SCHEDULE (16 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 W497488 LEASE TO THE SYDNEY COUNTY COUNCIL OF SUBSTATION PREMISES NO 5819 AS SHOWN IN PLAN WITH W497488 WITH A R.O.W. & EASEMENT FOR ELECTRICITY PURPOSES OVER ANOTHER PART OF THE LAND ABOVE DESCRIBED. EXPIRES 31-12-2010
- 3 LEASE TO PRODUCTION STRATEGIES PTY LIMITED OF LEVEL U737435 2, 486-494 PACIFIC HIGHWAY, ST LEONARDS. EXPIRES 31.3.2000. OPTION OF RENEWAL 6 YEARS
- 4 3444136 LEASE TO WILSON PARKING AUSTRALIA 1992 PTY LIMITED OF BASEMENTS 1,2,3,& 4, 486-494 PACIFIC HIGHWAY, ST LEONARDS. EXPIRES 31.5.2005.
- * 5 8112458 LEASE TO TECHNOLOGY PARTNERS GROUP PTY LIMITED OF SUITE 102, LEVEL 1, 486-494 PACIFIC HIGHWAY, ST LEONARDS. EXPIRES: 15/4/2004. OPTION OF RENEWAL: 3 YEARS.
- 6 8209868 LEASE TO SUSAN BLINDMAN & MARA TYUNEV BEING SHOP 6, PLAZA LEVEL, 486-494 PACIFIC HIGHWAY , ST LEONARDS.

END OF PAGE 1 - CONTINUED OVER

doccop2

PRINTED ON 11/9/2013 FOLIO CANCELL

The Registrar General certifies that at the date and time specified above the person(s) described in the First Schedule was the registered proprietor of an estate in fee simple (or other such estate or interest set out in the Schedule) in the land described, subject to any exceptions, encumbrances, interests, and entries which appear in the Second Schedule.

* 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.



57

Registrar General



No. 57

TITLE SEARCH

Computer Folio Certificate issued under Section 96D of the Real Property Act 1900

COMPUTER FOLIO REFERENCE

1/1070447

EDITION No. & DATE OF CURRENT CERTIFICATE OF TITLE

WARNING: ***** FOLIO CANCELLED *****

CANCELLED

	SEC	COND SCHED	ULE (16 NOTIFICATIONS) (CONTINUED)	32
*	7	8771723	EXPIRES: 9/8/2005. OPTION OF RENEWAL: FOUR YEARS. LEASE TO LEDINGHAM, HENSBY, OXLEY & PARTNERS PTY LTD OF SUITE 101, LEVEL 1, WEST & STORAGE AREA B4, 486-494	
*	8	9287533	PACIFIC HIGHWAY, ST LEONARDS. EXPIRES: 31/12/2004. OPTION OF RENEWAL: 2 YEARS. LEASE TO HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II OF LEVEL 3, 486-494 PACIFIC HIGHWAY, ST. LEONARDS.	
*	9	9369308	EXPIRES: 17/12/2005. OPTION OF RENEWAL: 5 YEARS. LEASE TO PACIFIC COMMERCE PTY LIMITED OF SUITE 1.03, LEVEL 1, 486 PACIFIC HWY, ST. LEONARDS EXPIRES.	
*	10	9672575	17/11/2005. OPTION OF RENEWAL: 3 YEARS. LEASE TO MILANO FINE FURNITURES PTY LTD OF SHOPS 1-5 GROUND FLOOR, 486-494 PACIFIC HIGHWAY, ST LEONADDO	
*	11	9672576	EXPIRES: 31/12/2006. OPTION OF RENEWAL: 5 YEARS. LEASE TO INTERCONTINENTAL SHIP MANAGEMENT PTY LIMITED OF SUITE 104, LEVEL 1, 486-494 PACIFIC HIGHWAY.	
*	12	AA502711	ST LEONARDS. EXPIRES: 20/10/2007. OPTION OF RENEWAL: 2 YEARS. LEASE TO LEIGHTON ADMIN SERVICES PTY LIMITED OF SUITE 5.01, 486-494 PACIFIC HIGHWAY, ST LEONOARDS. EXPIRES: 4/7/2006. OPTION OF RENEWAL: 6 MONTHS WITH A FURTHER	
*	13	AA502723	PERIOD OF 6 MONTHS. LEASE TO CATHOLIC RESOURCES LIMITED OF SUITE 402, LEVEL 4, 486 PACIFIC HIGHWAY, ST LEONARDS. EXPIRES: 31/10/2007. OPTION OF RENEWAL: 4 YEARS	
* * *	14 15 16	9672648 AA813288 SP73071	MORTGAGE TO NATIONAL MUTUAL LIFE NOMINEES LIMITED MORTGAGE TO SOUTH CANTERBURY FINANCE LIMITED ********* FOLIO CANCELLED ******** NEW FOLIOS HAVE BEEN CREATED FOR LOT(S) 1-47 AND COMMON PROPERTY IN SP73071	

END OF PAGE 2 - CONTINUED OVER

doccop2

PRINTED ON 11/9/2013 FOLIO CANCELL

57



The Registrar General certifies that at the date and time specified above the person(s) described in the First Schedule was the registered proprietor of an estate in fee simple (or other such estate or interest set out in the Schedule) in the land described, subject to any exceptions, encumbrances, interests, and entries which appear in the Second Schedule.

* 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.



TITLE SEARCH

Computer Folio Certificate issued under Section 96D of the Real Property Act 1900

No. 57

COMPUTER FOLIO REFERENCE

1/1070447

EDITION No. & DATE OF CURRENT CERTIFICATE OF TITLE

Page 3

CANCELLED

WARNING: ***** FOLIO CANCELLED *****

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

doccop2



The Registrar General certifies that at the date and time specified above the person(s) described in the First Schedule was the registered proprietor of an estate in fee simple (or other such estate or interest set out in the Schedule) in the land described, subject to any exceptions, encumbrances, interests, and entries which appear in the Second Schedule.

* 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.



57

Registrar General



Certificate issued under Section 96G of the Real Property Act 1900

A division of the Department of Finance & Services

No. 58

Search certified to: 11/9/2013 10:49AM

Computer Folio Reference: 1/1070447

Page 1

First Title(s): OLD SYSTEM
Prior Title(s): 1/629444

Recorded	Number	Type of Instrument	C.T. Issue
23/8/2004	DP1070447	DEPOSITED PLAN	FOLIO CREATED
			CT NOT ISSUED

24/8/2004

SP73071 STRATA PLAN

FOLIO CANCELLED

*** END OF SEARCH ***

doccop4

The Registrar General certifies that at the date and time specified above the information set out in this search constitutes the historical record of all dealings recorded in or action taken in respect of the mentioned title which is required to be kept by the Registrar General under section 32(7) of the Real Property Act 1900.

PRINTED ON 11/9/2013

58





Certificate issued under Section 96G of the Real Property Act 1900

A division of the Department of Finance & Services

No. 59

Search certified to: 11/9/2013 11:26AM Computer Folio Reference: 1/629444

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 15034 FOL 108

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
25/10/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
3/11/1988	X967309	DEPARTMENTAL DEALING	
10/8/1989	Y516994	REQUEST	
10/8/1989	Y516995	LEASE	EDITION 1
11/8/1989 11/8/1989	Y516997 Y516998	TRANSFER MORTGAGE	
11/8/1989	Y516999	MORTGAGE	EDITION 2
9/11/1989	¥682239	LEASE	EDITION 3
18/12/1989	Y754695	TRANSFER OF LEASE	
6/4/1990	¥915556	LEASE	EDITION 4
9/7/1990	Z3620	LEASE	EDITION 5
28/8/1990	Z182965	LEASE	EDITION 6
16/4/1991	Z590866	LEASE	EDITION 7
6/8/1991	Z798340	LEASE	

END OF PAGE 1 - CONTINUED OVER

doccop4

PRINTED ON 11/9/2013

59

Page 1

The Registrar General certifies that at the date and time specified above the information set out in this search constitutes the historical record of all dealings recorded in or action taken in respect of the mentioned title which is required to be kept by the Registrar General under section 32(7) of the Real Property Act 1900.





Certificate issued under Section 96G of the Real Property Act 1900

A division of the Department of Finance & Services

No. 59

Search certified to: 11/9/2013 11:26AM

Computer Folio Reference: 1/629444

Recorded	Number	Type of Instrument	C.T. Issue
6/8/1991	Z798341	LEASE	EDITION 8
26/9/1991	Z947738	DEPARTMENTAL DEALING	EDITION 9
8/4/1992	E375385	TRANSFER OF LEASE	
21/5/1992	E470305	TRANSFER OF LEASE	
6/5/1993	I309480	DETERMINATION OF LEASE	EDITION 10
19/1/1994	I944799	LEASE	
19/1/1994	I944800	LEASE	
19/1/1994	1944801	LEASE	EDITION 11
31/5/1994	U309340	LEASE	EDITION 12
26/10/1994	U737435	LEASE	EDITION 13
17/2/1995	028369	LEASE	EDITION 14
27/3/1995	0116674	VARIATION OF LEASE	
27/3/1995	0116676	DETERMINATION OF LEASE	
27/3/1995	0116677	LEASE	EDITION 15
28/7/1995	0418697	CAVEAT	
31/8/1995	0456029	LEASE	EDITION 16
19/9/1995	0514912	LEASE	EDITION 17
25/9/1997	3444136	LEASE	EDITION 18

END OF PAGE 2 - CONTINUED OVER

doccop4

PRINTED ON 11/9/2013

59

Page 2

The Registrar General certifies that at the date and time specified above the information set out in this search constitutes the historical record of all dealings recorded in or action taken in respect of the mentioned title which is required to be kept by the Registrar General under section 32(7) of the Real Property Act 1900.





Certificate issued under Section 96G of the Real Property Act 1900

A division of the Department of Finance & Services

No. 59

Computer Folio Reference: 1/629444

Page 3

Recorded	Number	Type of Instrument		C.T. Issue
1/7/1998	 5096771	DEPARTMENTAL DEALING		
1/7/1998	3982737	LEASE		
1/7/1998	3982738	LEASE		
1/7/1998	5004353	LEASE		
1/7/1998	5074762	LEASE		EDITION 19
13/4/1999	5744644	LEASE		EDITION 20
10/5/1999	5807718	DISCHARGE OF MORTGAGE		
10/5/1999	5807719	DISCHARGE OF MORTGAGE		
10/5/1999	5807720	TRANSFER		
10/5/1999	5807721	MORTGAGE		
10/5/1999	5807722	TRANSFER OF LEASE		EDITION 21
18/10/2000	7158889	LEASE		EDITION 22
23/1/2001	7363063	DISCHARGE OF MORTGAGE	:	
23/1/2001	7363064	TRANSFER.		
23/1/2001	7363065	MORTGAGE		EDITION 23
18/6/2001	7693910	LEASE		EDITION 24
14/11/2001	8112458	LEASE		EDITION 25
17/12/2001	8209868	LEASE		EDITION 26
10/7/2002	8653607	LEASE		
10/7/2002	8705950	LEASE		EDITION 27
15/7/2002	8771723	LEASE		EDITION 28
14/1/2003	9287533	LEASE		EDITION 29

END OF PAGE 3 - CONTINUED OVER

doccop4

PRINTED ON 11/9/2013

The Registrar General certifies that at the date and time specified above the information set out in this search constitutes the historical record of all dealings recorded in or action taken in respect of the mentioned title which is required to be kept by the Registrar General under section 32(7) of the Real Property Act 1900.



59



A division of the Department of Finance & Services

HISTORICAL TITLE SEARCH

Certificate issued under Section 96G of the Real Property Act 1900

No. 59

Search certified to: 11/9/2013 11:26AM Computer Folio Reference: 1/629444

Recorded	Number	Type of Instrument	C.T. Issue
12/2/2003	9369308	LEASE	EDITION 30
5/6/2003	9672571	DISCUADCE OF MODWOACE	
5/6/2003	9672575	LEASE	
5/6/2003	9672576	LEASE	EDITION 31
11/8/2003	9869681	DEPARTMENTAL DEALING	EDITION 32
28/8/2003	9918169	DETERMINATION OF LEASE	
28/8/2003	9918170	LEASE	EDITION 33
10/3/2004	AA483439	DETERMINATION OF LEASE	EDITION 34
18/3/2004	AA502711	LEASE	
18/3/2004	AA502723	LEASE	EDITION 35
3/8/2004	AA813288	MORTGAGE	
23/8/2004	DP1070447	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

The Registrar General certifies that at the date and time specified above the information set out in this search constitutes the historical record of all dealings recorded in or action taken in respect of the mentioned title which is required to be kept by the Registrar General under section 32(7) of the Real Property Act 1900.

doccop4

PRINTED ON 11/9/2013

59

Page 4


71 Req:C117871 /Doc:DL 7363064 /Rev:25-Jan-2001 /Sts:OK.OK /Prt:11-Sep-2013 12:12 /Pgs:ALL /Seq:1 of 1 Ref:lpissixdre /Src:W /WARNING: A4 Copy Supplied by LPI NSW for Conveyancing Purposes Only.

Form: Licene	97-01T xe: MID/0734/97	\bigcirc	Т	RANSFER New South Wales Real Property Act 1900	7363064S	
			Office of State Rev	enue use only		
(A)	LAND TRANSFER If appropriate, specify the or part transferred.	RED share	FOLIO IDENI	TFIER 1/629444	NEW SOUTH WALES DUTY 21-12-2000 0000/99219-001	
(B)	LODGED BY		LTO Box	Name, Address or DX and Te	32CT10N 1872) elephone DUTY \$ \$\$\$\$\$\$\$\$\$\$\$\$\$2,00	
			415	MAL Reference (15 character max)	LESONS STEPHEN JAQUED CKK 02-5048-4395	
(C)	TRANSFEROR		SANDRAN P	FY LIMITED (ACN 053	3 945 878)	
(D)	acknowledges receip transferee an estate ir	t of the con n fee simple	sideration of \$14,	525,000.00 and as regards t	he land specified above transfers to the	
(E)	Encumbrances (if apj	plicable):	1.	2.	3.	
(F)	TRANSFEREE	T TS (\$713 LGA)*	SURFSIDE ((ACN 093 52	WILLOUGHBY) HOL 2 788)	DINGS PTY LIMITED	
(G)		TW (Sheriff)	(12011-050-02	<i></i>		
(HI)	We certify this dealir	ng correct f	or the purposes of	the Real Property Act 1900	DATE DECEMBER 2000	
	THE COMMON SEA (ACN 053 945 878) with the memorandum	AL of SAN was hereur m and artic	DRAN PTY LIM nto affixed in acco les of association:	IITED) ordance))	T. UMITED 7 CZ	

Societary

3



----Co

Signature of MARTIN ALFONSO Solicitor for the Transferee

Checked by (LTO use)

D

5 	STAMP DUTY	<i>₽</i> .			Y516
	\$1-00	TRANSFER	5	- 2 4 01	
		REAL PROPERTY AC	T, 1900	\$ 4	RII:
	Torrens Title Reference	If Part Only, Dele	te Whole and Give Deta	lis Lo	cetion ·
DESCRIPTION DE LAND lote (a)	(Certificate of Title Volume 15034 Folio 108) (Folio Identifier 1/6294443	• •	WHOLE	St Leona	rds
AANSFEROR ole (b)	STATE AUTHORITIES SUPERANN	UATION BOARD (F	ormerly Publ oard)	ic Authorities	Superannuation
STATE ote (c)	(the abovenamed TRANSFEROR) hereby ackno and transfers on ostate in fee simple in the fand above described to the TRANSFERE	owledges receipt of the consid	deration of \$ 19,100	000	
RANSFEREE ' Ole (d)	NATH PTY LIMITED c/- Level 30, MLC Centre Martin Place Synny New			•	OFFICE USE ONLY
ENANCY ple (e)	AS joint tenants/tenants in common				
ole (I)	DATE 4 July 1989 We hereby certify this dealing to be correct for t	he purposas of the Real Prope	. 3	······	¢
ECUTION Ne (g)	Signed in my presence by the transferor who is Signalure of Witness R. +10 R. TON Name of Witness (BLOCK LETTERS) 8 Q COLOCK LETTERS) Address and occupation of Winless	Dersonally known to me Executed by STAIL and SUPERAMULATION BOM Its Anderey FR And Winharder Streampan he had ne uith & Ka Registered by 716 haw e Dr. he executes ne word SGAD AM	THOMITIES AD or ESC HASTS BLATCHC into how of executing this instru- procession of executing this instru- procession of execution of the second the reserved of the second of the second Cullout	enti Information Netion Signature of Tr	insteror
	and the cost of the state of th		•		
te (g)	Signed in my presence by the transferee who is p	versionally known to me		• •	
ta (g) ,	Signed in my presence by the transferee who is p Signature of Wilness Name of Wilness (BLOCK LETTERS) Address and occupation of Wilness	•••	(Sot	Anger Heg Symmetry Tra	-de
IC (g) ' BE COMPLETED	Signed in my presence by the transferee who is j Signature of Wilness Name of Wilness (BLOCK LETTERS) Address and occupation of Wilness		(Sot	CAMPBELL A	LEKANDER.
IC (g) , BE COMPLETED LODGING PARTY Ies (h) i (l)	Signed in my presence by the transferee who is p Signature of Wriness Name of Wriness (BLOCK LETTERS) Address and occupation of Wriness LODGED BY FREEHILL; HOLLINGDA	LE & PAGE	(รณ 	CAMPBELL A	LOXANDER.
te (g) s BE COMPLETED LODGING PARTY tes (h) i (l)	Signed in my presence by the transferee who is p Signature of Wilness Name of Wilness (BLOCK LETTERS) Address and occupation of Wilness LODGED BY FREEHILL, HOELINGDA	LE & PAGE	CT OTHER	CAMPBELL A LOCATION OF DOCUMENT Herewith.	LBKANDER
te (g) BE COMPLETED LODGING PARTY is (l)	Signed in my presence by the transferee who is p Signature of Wilness Name of Wilness (BLOCK LETTERS) Address and occupation of Wilness LODGED BY FREEHILL; HOELINGDA FREEHILL; HOELINGDA SOLICITORS SYDNEY STELEPHONE: 225-	LE & PACIE	CT OTHER	CAMPBELL A LOCATION OF DOCUMENT Herewith. In L.T.O, with	-0
te (g) BE COMPLETED LODGING PARTY les (h) i (l)	Signed in my presence by the transferee who is p Signature of Wilness Name of Wilness (BLOCK LETTERS) Address and occupation of Wilness LODGED BY FREEHILL: HOLLINGDA FREEHILL: HOLLINGDA DOLICITORS SODICITORS SODICITORS STELEPHONE: 225- Delivory Box Number Checked Passed REGISTER	LE & PACE	CT OTHER	CAMPBELL A LOCATION OF DOCUMENT Herewith. in L.T.O. with Produced by	LBKANDER
te (g) , BE COMPLETED LODGING PARTY (DIGE USE ONLY	Signed in my presence by the transferee who is p Signature of Wriness Name of Wriness (BLOCK LETTERS) Address and occupation of Wriness LODGED BY FREEHILL; HOELINGDA FREEHILL; HOELINGDA Source of Sydney TELEPHONE; 225- Delivory Box Number Checked Passed REGISTER Signed Extra Fee	LE & PAGE 	CT OTHER	CAMPBELL A LOCATION OF DOCUMENT Herewith. In L.T.O. with Produced by	B. A. Ru

72 Req:C117872 /Doc:DL Y516997 /Rev:18-Aug-2010 /Sts:OK.OK /Prt:11-Sep-2013 12:11 /Pgs:ALL /Seq:2 of 2 ef:lp1:sixdre /Src:W /WARNING: A4 Copy Supplied.by LPI NSW for Conveyancing Purposes Only. This is the Annexure "A" referred to in the Memorandum of Transfer between the State Authorities Superannuation Board as Transferor and Nath Pty Limited as Transferee in respect to the whole of land at St Leonards covered by Certificate of Title Volume 15034 Folio 108 (Folio Identifier 1/629444) manakie Signed . Date .. Solicitor/Sydney Annexure "A" W 5728 W 324524 W 454103. W 497488 W 568856 W 628451 X 198414 X 287381 X 414999 429270 X 734269 Lease between state authoritien Quberannication bard and NZI hife winded defed 14th June 1989 for a tom of 3 years of storage Riea B1. 9 between State Authorises Superannuation Board and Lease Mayne Nickless Limited dated with July 1989 per a tern of 5. years for Leval 1. 12 2 Executed by STATE AUTHORITIES SUPERAMMULATION BOARD by its Attorney FHANCES ANN BUTCHER who hereby states that at the time of executing this instrument he had no notice of the revocation of Power of Attorney repistered No 716 Boos 3731 moder the authority of which he executes the same in the creserve of -all Reporton 37K02353 - 30 Jun 1989



	123 M 5 7 3 3 3 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7
,	NOTATIONS AND UNREGISTERED DEALINGS
	Expires 30.5.1990. With an option of renewal for 3 years. Registered 5.1.1988.
	the build by known as Cincom House, or premises being the Whoie of Level 2 of
	<pre>#if:Lease to Ledingham Hensby Oxley & Partners Pty. Limited of premises being Floor 1, Cincom House Known as 486-494 Pacific Highway, St. Leonards together with and reserving rights. Expires 28.2.1991 with Option of Renewal of 2 years. Registered 24.11.1987.</pre>
	file opening to be By years By page 10-12-1986.
	14519 leans to Jahn Love and Catherine hous an joint thrands of promise being Thop 6, Plage level of building thrown an lincon House extracted at 496 494 besiden Highwing, 81. Leansald as rhearn hatched belack in stan with with 19451 fogether with and reserving higher at stan with 19451
	Megistered 24-10-1986 Registered 24-10-1986 Second of premises being Second of premises descry Queen Elizabeth the Second of premises being With and reserving rights. Expires 30-7-1991. Option of renewal 6 years.
	Vignts. Expires 28.2.1989 with Option of Renewal of 3 years. Registered 20.8.86. 7488 Lease to The Sydney County Council of Substation premises No. 5819 as shown in plan with M497488 together with a right of way and easement for electricity purposes over another part of the land above described. Expires 31-12-2010.
	31-5-1995 Option of renewal 10 years Registered 19-5-1986 4103 Lease to Australian Mutual Provident Society of premises being Level 3 known as Cincom House, 486-494 Pacific Highway, St. Leonards together with and reserving
	Massep Lease to Wilson International Pty. Limited of Basements 1, 2, 3 and 4 of the building known as Cincom House with and reserving rights Expires
	with and reserving rights, with Expires 10-3-1990. Option of renewal 5 years.
	Level to 494 Pacific Highway, St. Leonards as shown in plans with WS728, together A to 494 Pacific Highway, St. Leonards as shown in plans with WS728, together
2291187	
GANCELLATION	
	SECOND SCHEDULE (continued)
	OLIOT OTUA 332
	CUNCETTED
	blic Authorities Superannuation Board. See M5728. Redistered 8-11-1985.
	rear on the second real in the second real
forgen?) restains f	LIKST SCHEDDROPELOR REGISTERED PROPRIETORE

4

	(Page 3 of 4 pages) Vol. and and the second se	roution and a control	· · · · · · · · · · · · · · · · · · ·	
Γ	FIRST SCHEDULE (continued)	dalimalek's oan ti'r on o maraana	-dandaran dara olara dara dara dara dara dara dara dara	
	REGISTERED PROPRIETOR		Registrat Genoral	
			-	
	· · · · · · · · · · · · · · · · · · ·			
1				
	•			
	SECOND SCHEDULE (continued)			
-	PARTICULARS	Registrar Goneral	CANCELLATION	
~	part of Level 4. Cincom House. 486-494 Pacific Highway, St. Leonards. Together			
	with and reserving rights. Expires 13-1-1990. Option of renewal 3 years.			
	Registered 24-3-1988. $X438370^{7}$			
~	489-494 Pacific Highway, St. Leonards. Rogether with and reserving rights.			
	Expires 31-1-1989. Option of renewal 3 years. Registered 21-4-1988.			
-	x734269 PLease to Haltrin Pty. Limited of premises being Level 1 (East), 486-494 Pacific Highway, St. Leonards. Expires 22-5-1992, Registered 10-8-1988			
	·			
	(A AL COT & COT			
	· · · · ·			
	SEE AUTO FOLIO			
		• • • • • • • • • • • • • • • • • • •		
-	NOTATIONS AND UNREGISTERED DEALINGS			

• •	(Page 4 of 4 pages)	•	Vol	100
		FIRST SCHEDULE (con	ntinued)	
		REGISTERED PROPRIETOR		Registrar Gen
, it				
	· ·			
		SECOND SCHEDULE (co	ntinued)	
		PARTICULARS	Registr	ar General CANCELLATI
			,	
•.				
•				
	•.			
ما . ما جو:				
	and the second sec			
.; ,				
·	i i i i i i i i i i i i i i i i i i i			
•	· · /			
1.	•			l
7 . 134		· · · ·		
•				
	مى دەر يەر يەر يەر يەر يەر يەر يەر يەر يەر ي	NOTATIONS AND UNREGISTER	ED DEALINGS	
,				
•				
		U AND AUTHENTIAATED DV THE SEA		A 75 (** 25 / 15 (***) & *****

11500-048 CT /Rev:10-Jan-2011 /Sts:OK.OK /Prt:11-Sep-2013 12:33 /Pgs:ALL /Seg:1 of 2 /WARNING: A4 Copy Supplied by LPI NSW for Conveyancing Purposes Only. 76 Re<u>g:C117</u>876 /Doc:CT 11500-048 CT Ref:1 7Src:W 115000.42 ATE OF TITLE NEW SOLUTE WALLS PROPERTY ACT. 1909. ì Vol. 11500 Fol. 48 Appin. No.3083 C.C. Edition issued 14-1-1971 Prior Title Vol.2259 Fol.211 N'H M27269 Fot I certify that the person described in the First Schedule is the registered proprietor of the undermantioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule. 500 lakao Registrar General. WARNING: THIS DOCUMENT MUST NOT PLAN SHOWING LOCATION OF LAND Page 1) Vol. P. 405136 F Persons are cautioned against altering or adding to this certificate or any notification hereon 16 Sec. 19 19 Nicholson St. BE **REMOVED** Scale M27265 50 feet 10 one inch ESTATE AND LAND REFERRED TO Estate in Fee Simple in Lot 18 of Section 16 in Deposited Plan 3175 at St.Leonards in the FROM Municipality of North Sydney Parish of Willoughby and County of Cumberland being part of Portion 323 granted to Edward Wollstonecraft on 30-6-1825. FIRST SCHEDULE THE EVANGELOS ANAGNOSTOU; Suler in JOHN ANAGNOSTOU; Salesman and LEONIDAS ANAGNOSTOU, Salesman, all of St.Leonards as Tenand in Common in Equal Shares. LAND TITLES SECOND SCHEDULE 1. Reservations and conditions, if any, contained in the Grown Grant above referred to. hatao OFFICE. Registrar General NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.

STXQ	re	SPC: W WARNING: 1 205	1830.53 1950 1473 5 - 1 × 00 - 3 + 0 m G		d b	by LPI NSW for Conveyancing Purposes Only.
Government Printer	Signature of Residence of		25 FII	0 0		
K. C. R. 100.	ENTERED	Free 2. 01			ANCELLATION	Q166533
	1 DATE	- 0261 8 2			¥ ,	Discharged Discharged be distrement diff of remen
	INSTRUMENT NUMBER	827270			Signature of . Lettrar-General	
	NATURE	25.6.19			ENTERED	4 - 1977 4 4 - 1979 - 1 4 - 19 - 19 4 - 19 - 19 6 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ontinued)		quitered		(continued)		
T SCHEDULE (o		9		ND SCHEDULE (ter Group Limit le Group Limit Limit led Limit led Limit led
HRS		Z 787		SECO	PARTICULARS	AND AUTHENT BANK
	ED PROPRIETOR	Tranfo				TTE and New Town
	REGISTERE	for the		4		to turning to the factor of th
		i inte		14	a i DAte	No.
		(a. [4]		INSTR I MEA	NUM	92746 96959 75 (Say
		ALLERSON			NATORE	Martines Monteres 2953

75 Reg:C117875 /Rev:16-Dec-2010 /Sts:OK.OK /Prt:11-Sep-2013 12:34 /Pgs:ALL /Seq:1 of 2 /Doc:CT 10673-223 CT Ref: Supplied by LPI NSW for Conveyancing INING: Α4 Сору Purp Qnly. RTIFICATE OF TITLE 0673223 1900, as amonded. NEW SOUTH WALES COPER Y ACT. Appin. No. 3083 Fol G G J Vol V & U Prior Title Vol.1407 Fol.224 Edition issued 3-11-1967 Ċ? 63 AS ŝ K815 . Û W Fo. 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, \$ 290 Jakao Witness muralter Registrar General. WARNING THIS DOCUMENT MUST NOT BE REMOVED FROM THE LAND TITLES OFFICE PLAN SHOWING LOCATION OF LAND Vol (Page 1) Sc. Albany PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON 110 R Nicholson St 212 16 13 12 per 33.8. HOR 18 Sec. 16 40 feet to one inch. Scale ESTATE AND LAND REFERRED TO Estate in Fee Simple in Lot 17 in Section 16 in Deposited Flan 3175 at St.Leonards in the Municipality of Lane Cove Parish of Willoughby and County of Cumberland being part of Portion 323 granted to Edward Wollstonecraft on 30-6-1825. FIRST SCHEDULE (continued overleaf) --- JOAN-MARGARET BROWN of Roseville (Slock. SECOND SCHEDULE (continued overleaf) 1. Reservations and conditions, if any, contained in the Grown Grant above referred to Registrar General NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

pi:siX	dre	/51	C: W CLLY GZ	A 14072 2 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 55 - 52 Mar 102	5.98439 (m. 2) (m. 4)	T 84732 ~ 12	NSW for Conveyancing Purposes Only.
Y.C.N. Bliabh Greenmant Dates		ENTERED Signature of Registrar-Geograf					CELLATION	949 949 84 73 1 84 73 1 84 73 1
4		MENT JASER DATE	6				f CAN	Discharged 16 Discharged 16 - Durchurged 1 - Huthdrawn 7
		INSTRE INSTRE	therefore 19.8				ENTERED Signature o Registrar-Gen	47-1911 & 21-9-1978 & 2-4-1021 & 2-4-1021 &
	HRST SCHEDULE (continued)	REGISTERED PROPRIETOR	high Francher 784736. Legned			SECOMD SCHEDULE (continued)	PARTICULARS	restrict a sur Now Zestand Banking Group Limited to hursels and Now Zestand Parking Group Limited by Terring Todaches Linh hel Tris read is cardina a Mule Tris read is cardina a Mule 14/4/458 16-12 15037 10/2114 16-12 10/
			2 Project Of				UNSI RUMENT	220121 2201312 Caver 1 6 0 6 4
			Peleron A detrie				NATURE	Nortugese Nortgage Coucet

74 Reg:C11'7874 /Doc:CT 09795-022 CT /Rev:19-Jan-2011 /Sts:OK.OK /Prt:11-Sep-2013 12:34 /Pgs:ALL /Seq:1 of 2 Ref:1 VARIALING Supplied by LPI'NSW for Conveyang A4 CODY nlv. CIFICATE OF TITLE NEW SOUTH WALES PERTY ACT, 1900, as amended. Application No. 3083 Fol Vol Prior titles Vol.6510 Fols.51 and pr. 52 1st Edition issued C J688643 Ë I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within 10 described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule. 979 Witness Registrar General. WARNING: PLAN SHOWING LOCATION OF LAND Vol A 0 Ś (Page 1104 THIS DOCUMENT MUST 3175 PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON Nicholson 4 la par B Scale: 40 feet to one inch. TON ESTATE AND LAND REFERRED TO BH Estate in Fee Simple in Lot A Deposited Plan 33113 at St. Leonards in the Municipality of Lane Cove Parish of Willoughby and County of Oumberland being part Portion 323 granted to Edward Wollstonecraft on 30-6-1825. REMOVED FROM しんざ Registrar General. FIRST SCHEDULE (continued overleaf) Spinster. Crous Nest. - 61 THE LAND Registrar General. SECOND SCHEDULE (continued overleaf) 1. asservations and conditions, if any, contained in the Grown Grant above referred to. ato Registrar General. R NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.

	. ,	1400 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	Restring	CH222424	-539154-1002	WALCH Col-	Min X21+81	1 34 10 H	101 CO.		
	NTERED Signature of	kestra cenoral					LLATION	5157 James 1	47.83		
		60. 13					CANCE	With Learn L 11 Discharged G76 Discharged B694	Desterning 7 8 Wellstown 7 8		NCELLED
	INSTRUMEN						Ngnature of Registrar General	Junter .	le		ENERAL ARE C
	NATURE	241.9-32					ENTERED	<u>c. ! /???</u> 4-5-1973. 21.9.1978.	1915 - 1919 - 1919		REGISTRAR G
FIRST SCHEDULE (continued)	3K	- 7.84 7.76 legationed			and the second	SECOND SCHEDULE (continued)	PARTICULARS	w Zeeland Bénking Group Limited. A	× tooland 3 miles in test	2. 1- NNUTE 14/4/83 2. Ted 629444	34 AND AUTHENTICATED BY THE SEAL OF TH
	REGISTERED PROPRIETC	fame to					-	to Anstralia and Ne to Anstralia and Ne to Anstralia and Ne	1		ENTRIES RULED THROUG
		thy linted				INSTRUMENT	NUMBER DATE	<u>(11-11-15)</u> - 07465 - 060376	5291349 Carof by Od		o. 62
		Abtila 1					NATURE	Lovert Hortzage Mortgage	2.953435		FORM N



A division of the Department of Finance & Services

TITLE SEARCH

Computer Folio Certificate issued under Section 96D of the Real Property Act 1900

No. 52

Search certified to:

11/9/2013 10:08 AM

1/0	628513
EDITION No. & DAT	E OF CURRENT CERTIFICATE OF TITLE
2	29/8/2002

COMPUTER FOLIO REFERENCE

Page 1

LAND

LOT 1 IN DEPOSITED PLAN 628513 AT ST LEONARDS LOCAL GOVERNMENT AREA LANE COVE PARISH OF WILLOUGHBY COUNTY OF CUMBERLAND TITLE DIAGRAM DP628513

FIRST SCHEDULE

LEIGHTON CONTRACTORS PTY LIMITED

(T 8909119)

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 W204537 LEASE TO THE SYDNEY COUNTY COUNCIL OF SUBSTATION PREMISES NO 5991 TOGETHER WITH RIGHT OF WAY AND EASEMENT FOR ELECTRICITY PURPOSES OVER ANOTHER PART OF THE LAND AS SHOWN IN PLAN WITH W204537. EXPIRES 31-12-2035

NOTATIONS

NOTE: THE CERTIFICATE OF TITLE FOR THIS FOLIO OF THE REGISTER DOES NOT INCLUDE SECURITY FEATURES INCLUDED ON COMPUTERISED CERTIFICATES OF TITLE ISSUED FROM 4TH JANUARY, 2004. IT IS RECOMMENDED THAT STRINGENT PROCESSES ARE ADOPTED IN VERIFYING THE IDENTITY OF THE PERSON(S) CLAIMING A RIGHT TO DEAL WITH THE LAND COMPRISED IN THIS FOLIO.

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***



doccop2

The Registrar General certifies that at the date and time specified above the person(s) described in the First Schedule was the registered proprietor of an estate in fee simple (or other such estate or interest set out in the Schedule) in the land described, subject to any exceptions, encumbrances, interests, and entries which appear in the Second Schedule.

* 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.

PRINTED ON 11/9/2013

52



Registrar General



HISTORICAL TITLE SEARCH

Certificate issued under Section 96G of the Real Property Act 1900

A division of the Department of Finance & Services ${\bf No}$. 53

Search certified to: 11/9/2013 10:09AM Computer Folio Reference: 1/628513

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 14367 FOL 148

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED
			FOLIO NOT CREATED
8/9/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED
			CT NOT ISSUED
30/12/1988	Y71387	CAVEAT	
20/9/1989	Y205591	WITHDRAWAL OF CAVEAT	
20/9/1989	Y205592	DISCHARGE OF MORTGAGE	
20/9/1989	Y205594	TRANSFER	EDITION 1
29/8/2002	8909119	TRANSFER	EDITION 2

*** END OF SEARCH ***

doccop2

PRINTED ON 11/9/2013

53

Page 1



The Registrar General certifies that at the date and time specified above the information set out in this search constitutes the historical record of all dealings recorded in or action taken in respect of the mentioned title which is required to be kept by the Registrar General under section 32(7) of the Real Property Act 1900.

Registrar General

54 Req:C117854 /Rpt:1 /Doc:DL Y205594 /Rev:23-Aug-2010 /Sts:OK.OK /Prt:11-Sep-2013 10:47 /Pgs:AL Ref:101:Sixdre /Src:W /WARNING: A4 Copy Supplied by LPI NSW for Conveyancing Purposes Only. /Rev:23-Aug-2010 /Sts:OK.OK /Prt:11-Sep-2013 10:47 /Pgs:ALL /Seq:1 of RELOCGED RP 13 STAMP DUTY 41-80 18 JUL 1989 TRANSFER 3 REAL PROPERTY ACT, 1900 T \$ 42 **Torrens Title Reference** If Part Only, Delete Whole and Give Details Location DESCRIPTION OF LAND Certificate of Title WHOLE Volume 14367 Folio 148 Note (a) at St. Leonards Now being Folio Identifier 1/628513 TRANSFEROR Note (b) PERMANENT TRUSTEE AUSTRALIA LIMITED (formerly Permanent Trustee Nominees (Canberra) Limited) of 23-25 O'Connell Street, Sydney (the abovenamed TRANSFEROR) hereby acknowledges receipt of the consideration of \$ 14,750,000.00ESTATE and transfers an estate in fee simple Note (c) in the land above described to the TRANSFEREE OFFICE USE ONLY TRANSFEREE Note (d) LEIGHTON HOLDINGS LIMITED of 472 Pacific Highway, St. Leonards \leq *TENANCY Note (e) as joint tenants/tenants in common subject to the following PRIOR ENCUMBRANCES 1. W 204537 PRIOR 123203 3. Note (f) 12-12-1988 DATE We hereby certify this dealing to be correct for the purposes of the Real Property Act, 1900. EXECUTION Signed in my presence ky the transferor who is personally known to me Note (g) Dranand Signature of W ********* зęу of Witness (BLOCK LETTERS) TANA 1820 AZ MANASI (CALENDARIA) (LANIAN AL TANA General B ALCENTA 10.1 23-25 Address and occupation of Witness Signature of Transferor Signed in my presence by the transferee who is personally known to me Note (g) Signature of Witness Name of Witness (BLOCK LETTERS) Address and occupation of Witness I.K. BROPHY LOCATION OF DOCUMENTS TO BE COMPLETED BY LODGING PARTY LODGED BY ĊТ OTHER BROPHY BRIDGE & MIROW Notes (h) and (i) 140 Phillip Street, Herewith, 2000 Sydney. 221-3977, DX No. 1181 In L.T.O. with BOX No. 937K Produced by Delivery Box Number Checked Passed REGISTERED ~19 Secondary Directions OFFICE USE ONLY Delivery Directions Signed Extra Fee 2 0 SEP 1989 CT-1937K NSU \$=*********** OD STAMP~OUTY 9/02/89 CHO ğ 3687 А



				- 36. - 36.	15-48- V 7232C V 7412
	1999 - 1999	LEKED DEVENOZ	NOTATIONS AND UNREGIS		- Por
		p timited, kegistered substation premises as shown in vemises No. 5991 together poses over another part of il-12-2035. Registered	Wew Sediand Banking Group Lease as to part being and Easement for Glock Gouncil of substation p ment for Glockricity pur ment for Glockricity pur ment for Glockricity Jun ment for Glockricity Mith W204537, Expires 3	ortgage to Australia and 8-7-1905. Berter with Right of Way nee Nao4536 Surrender of Way neth Right of Way and ease he land as shown in plan fall Right of Way and ease he land as shown in plan ball and as shown in plan ball and as shown in plan ball and as shown in plan he land as shown in plan he land as shown in plan ball and as shown in plan he land he land he land he land he land he land he land he land he land he land he land he land he land he land he land	W 223203 ⁶
·		rving rights. Expires 5 17.6~1985 of the Ground and First nd reserving rights. Expires 5 1926–1985	i Limited, with and reservent wal 5 years. Registered arity Computer Limited iy, 51. Leonards, with an wal 4 years. Registered wal 4 years.	ease to Leighton Holdings [5-1-1995. Option of rene ease V741294 Lease to f 100rs, 472 Pacific Highwe 100rs, 472 Pacific Highwe 10-6-1988. Option of rene	1 96056374 -1 1 76056374 -1 1 1 1 1 1 1 1 1 1 1 1 1 1
CANCELLATION	Registiat General	(PARTICULARS		
	,,	(bandinos)	SECOND SCHEDULE		
		ATTR: (1.0K 230		·	a state of the second
		MINY RUN 440			
		CANCELLED			
	<i>.</i>	CANCELLED		~	and the second secon
	Sł	CANCELLED	rəfensit vi bəimil (s: مرابع	Trustee Nominees (Canberr	Permanant
полеб тепзівой		CONTINUED TOLIN CANGELLED V548845. Registered 31-1-196 (continued)	Р П К Я Т АСНЕР ULE КВСІЗТЕКЕР РКОРКІВТОК (в: 7 ала Гед і у Тгалагет 7 7 ала Гед і у Тгалагет 7 7 ала гед і у Тгалагет 7 7 ала гед і у Тгалагет (в: 7 ала гед і у Талагет (в: 7 ала гед і у Тала гед і у Тгалагет (в: 7 ала гед і у Тала гед і	Trustee Nominees (Canberr	Permanent

•••

/Rev:12-Jan-2011 60 Req:C117860 /Doc:CT 11173-080 CT /Sts:OK.OK /Prt:11-Sep-2013 11:27 /Pgs:ALL /Seg:1 of 2 Ref: LPI NSW for Conveyan A4 Copy Supplied by ARNING: ıly. rificate of title NEW SOUTH WALES **DPERTY ACT**, 1900, as amondod. 8 v, 8 Appln. No. 3083 issued 31 1969 Prior Title Vol.6510 Fol 49 AS Edition L577318 E. I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within 17 described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule. r -Witness 6. Hinchey **Registrar** General WARNING THIS DOCUMENT MUST NOT BE REMOVED FROM THE PLAN SHOWING LOCATION OF LAND Vol. (Page 1) B Centre of Sin B& Party Ś Brick Wall sine of the PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON A46. 6% Vierty Wi 7% per. . Vicholson 196. HOR 75 31 P D. Scale; 20 feet to one inch 1577318 . J.C ssp. ESTATE AND LAND REFERRED TO Estate in Fee Simple in Lot C in Deposited Plan 33113 at St.Leonards in the Municipality of Lane Cove Parish of Willoughby and County of Cumberland being part of Portion 323 granted to Edward Wollstonecraft pn 30-6-1825. FIRST SCHEDULE Joint Tenants. JOHN YATES of North Sydney, ALTCE HTLDA VATES his wife as SECOND SCHEDULE LAND 1. Reservations and conditions, if any, contained in the Crown Grant above referred to. Cross-Easements (Section-181B-Conveyancing-Act, 1918)-created by Transfer-No.F5495 affecting-the-party walks on the common-boundary to bote-B-and-C-shown in the plan -created-by-Transfer-No.,F549569 2. 74-75639, 7475640 hereonreleased Ţ OFFICE Registrar General NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

		2738/20	2372 Tel		90 M W	S. S. C.S.	ALE SAL	N N N N N N N N N N N N N N N N N N N	S and the set	2	ea	DY.	μrı	NSW	TOI	, GC	nive	yan	cın	g f	urp	ose	s o	nıy		
Government Printee		Signature of M	In how		1	Seo	242	2	5 4								- - - - - - - - - - - - - - - - - - -									
i7 V.C.N. Biighf,		ENTERED		24. J. P. 1	180111							CANCELLATION	5589046	598197T												
r r F		DATE	CCP1 Service	26-11-12-22	ered at				1			2	A Schareed	ischarged.												ELED
		INSTRUMENT	HC2-W	2185 119	Regist	>						Signature of gistrar-General		A												RAL ARE CANC
		NATURE	Jeanfer	1+ under	7.1098.5						•	ENTERED Re		1-1-1701, 2												REGISTRAR-GENI
	: (continued)		A		4 toursfer	.					LE (continued)	1		Repetrod	×		5-5-53		raspectivel)							THE SEAL OF THE
	FIRST SCHEDULE				Limiled b	32					SECOND SCHEDU	ICULARS	1	Paciely lite	4	s whole	ne lered an	128217	1- Noi 148-		- 1 - 24	ACKTOAC CENER				UTHENTICATED BY
		PRIETOR			es Phy.	istered 23-8-19						L'844		- Xiling		a cancerico as c	ficeres of Tete	D(+05-161)	14.24 14.54	an managan kanangan dan sa kanan kanan dan kanan dan sa						THROUGH AND /
		REGISTERED PRC			Repert	T193933. Regi							- A.P. C.	and the second		. 754 0.25C	New Con	for lots in	10801	الأحاجة الأمريق معالي ما مستحدية فالتفسط المستحدة فقال مالا المرارك والمستحر من الالا						ENTRIES RULED
			tada a second	ted	- bung	by Transfer						DATE		1350 Devi												NOTES
		•	اسنا والم ووسداما	T- to site		lings Limited						INSTRUMENT	275V	of your te												
	•		Jetonethe	aging - P	D. C.	ighton Hold						NATURE	1-0-0-	11-1-1-0	· · · · · · · · · · · · · · · · · · ·					erende onenoneñouen e						

APPENDIX G

AERIAL PHOTOGRAPHS





Aerial Photograph – 1930



Aerial Photograph – 1951



Aerial Photos – 1972



Aerial Photograph- 1997









APPENDIX H

NSW EPA RECORDS





Healthy Environment, Healthy Community, Healthy Business

You are here: <u>Home</u> > <u>Contaminated land</u> > <u>Record of notices</u>

Search results

Your search for:LGA: Lane Cove Municipal Council

Matched 12 notices relating to 2 sites.

		Search Again	Refine Search
Suburb	Address	Site Name	Notices related to this site
Lane Cove	Lot 1 Sirius Road	Pacific Power Property	1 current and 8 former
Lane Cove North	428-432 Mowbray Road	Caltex Service Station	3 former

Page 1 of 1

3 September 2013

NSW Environment Protection Authority

Feedback Web support

Web support Contact us Public consultation Offices Report pollution

Contact

Government

NSW Government

jobs.nsw

About

Accessibility Disclaimer Privacy Copyright

mhtml:file://P:\Aargus Environmental\E5000's\ES5500-ES5999\ES5600 ST LEONA... 17/09/2013

APPENDIX I

WORKCOVER NSW SEARCH RECORDS





WorkCover NSW 92-100 Donnison Street, Gosford, NSW 2250 Locked Bag 2906, Lisarow, NSW 2252 T 02 4321 5000 F 02 4325 4145 WorkCover Assistance Service 13 10 50 DX 731 Sydney workcover.nsw.gov.au

Our Ref: D13/112521 Your Ref: Emmanuel Woelders

13 September 2013

Attention: Emmanuel Woelders Aargus Pty Ltd 446 Parramatta Rd Petersham NSW 2049

Dear Mr Woelders,

RE SITE: 472 Pacific Hwy St Leonards NSW

I refer to your site search request received by WorkCover NSW on 11 September 2013 requesting information on licences to keep dangerous goods for the above site.

A search of the Stored Chemical Information Database (SCID) and the microfiche records held by WorkCover NSW has not located any records pertaining to the above mentioned premises.

If you have any further queries please contact the Dangerous Goods Licensing Team on (02) 4321 5500.

Yours Sincerely

Brent Jones Senior Licensing Officer Dangerous Goods Team

APPENDIX J

IMPORTANT INFORMATION ABOUT YOUR ENVIRONMENTAL REPORT





IMPORTANT INFORMATION ABOUT YOUR ENVIRONMENTAL SITE ASSESSMENT

These notes have been prepared by Aargus (Australia) Pty Ltd and its associated companies using guidelines prepared by ASFE (The Association) of Engineering Firms Practising in the Geo-sciences. They are offered to help you in the interpretation of your Environmental Site Assessment (ESA) reports.

REASONS FOR CONDUCTING AN ESA

ESA's are typically, though not exclusively, carried out in the following circumstances:

- as pre-acquisition assessments, on behalf of either purchaser or vender, when a property is to be sold;
- as pre-development assessments, when a property or area of land is to be redeveloped or have its use changed for example, from a factory to a residential subdivision;
- as pre-development assessments of greenfield sites, to establish "baseline" conditions and assess environmental, geological and hydrological constraints to the development of, for example, a landfill; and
- as audits of the environmental effects of an ongoing operation.

Each of these circumstances requires a specific approach to the assessment of soil and groundwater contamination. In all cases however, the objective is to identify and if possible quantify the risks that unrecognised contamination poses to the proposed activity. Such risks may be both financial, for example, cleanup costs or limitations on site use, and physical, for example, health risks to site users or the public.

THE LIMITATIONS OF AN ESA

Although the information provided by an ESA could reduce exposure to such risks, no ESA, however, diligently carried out can eliminate them. Even a rigorous professional assessment may fail to detect all contamination on a site. Contaminants may be present in areas that were not surveyed or sampled, or may migrate to areas which showed no signs of contamination when sampled.

AN ESA REPORT IS BASED ON A UNIQUE SET OF PROJECT SPECIFIC FACTORS

Your environmental report should not be used:

- when the nature of the proposed development is changed, for example, if a residential development is proposed instead of a commercial one;
- when the size or configuration of the proposed development is altered;
- when the location or orientation of the proposed structure is modified;
- when there is a change of ownership
- or for application to an adjacent site.

To help avoid costly problems, refer to your consultant to determine how any factors, which have changed subsequent to the date of the report, may affect its recommendations.

ESA "FINDINGS" ARE PROFESSIONAL ESTIMATES

Site assessment identifies actual subsurface conditions only at those points where samples are taken, when they are taken. Data derived through sampling and subsequent laboratory testing are interpreted by geologists, engineers or scientists who then render an opinion about overall subsurface conditions, the nature and extent of contamination, its likely impact on the proposed development and appropriate remediation measures. Actual conditions may differ from those inferred to exist, because no professional, no matter how qualified, and no subsurface exploration program, no matter how comprehensive, can reveal what is hidden by earth, The actual interface between rock and time. materials may be far more gradual or abrupt than a report indicates. Actual conditions in areas not sampled may differ from predictions. Nothing can be done to help minimise its impact. For this reason owners should retain the services of their consultants
through the development stage, to identify variances, conduct additional tests which may be needed, and to recommend solutions to problems encountered on site.

SUBSURFACE CONDITIONS CAN CHANGE

Natural processes and the activity of man change subsurface conditions. As an ESA report is based on conditions, which existed at the time of subsurface exploration, decisions should not be based on an ESA report whose adequacy may have been affected by time. Speak with the consultant to learn if additional tests are advisable.

ESA SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES AND PERSONS

Every study and ESA report is prepared in response to a specific brief to meet the specific needs of specific individuals. A report prepared for a consulting civil engineer may not be adequate for a construction contractor, or even some other consulting civil engineer. Other persons should not use a report for any purpose, or by the client for a different purpose. No individual other than the client should apply a report even apparently for its intended purpose without first conferring with the consultant. No person should apply a report for any purpose other than that originally contemplated without first conferring with the consultant.

AN ESA REPORT IS SUBJECT TO MISINTERPRETATION

Costly problems can occur when design professionals develop their plans based on misinterpretations of an ESA. To help avoid these problems, the environmental consultant should be work with appropriate retained to design professionals to explain relevant findings and to review the adequacy of their plans and specifications relative to contamination issues.

LOGS SHOULD NOT BE SEPARATED FROM THE ENGINEERING REPORT

Final borehole or test pit logs are developed by environmental scientists, engineers or geologists based upon their interpretation of field logs (assembled by site personnel) and laboratory evaluation of field samples. Only final logs customarily included in our reports. These logs should not under any circumstances be redrawn for inclusion in site remediation or other design drawings, because drafters may commit errors or omissions in the transfer process. Although photographic reproduction eliminates this problem, it does nothing to minimise the possibility of contractors misinterpreting the logs during bid preparation. When this occurs, delays, disputes and unanticipated costs are the all-too-frequent result.

To the likelihood of boring reduce log misinterpretation, the complete report must be available to persons or organisations involved in the project, such as contractors, for their use. Those who o not provide such access may proceed under the mistaken impression that simply disclaiming responsibility for the accuracy of subsurface information always insulates them from attendant liability. Providing all the available information to persons and organisations such as contractors helps prevent costly construction problems and the adversarial attitudes that may aggravate them to disproportionate scale.

READ RESPONSIBILITY CLAUSES CLOSELY

Because an ESA is based extensively on judgement and opinion, it is necessarily less exact than other disciplines. This situation has resulted in wholly unwarranted claims being lodged against consultants. To help prevent this problem, model clauses have been developed for use in transmittals. These are not exculpatory clauses designed to foist liabilities onto some other party. Rather, they are definitive clauses that identify where your consultant's responsibilities begin and end. Their use helps all parties involved recognise their individual responsibilities and take appropriate action. Some of these definitive clauses are likely to appear in your ESA report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.