

PO Box 4405 East Gosford, NSW 2250 M 0466 385 221 ben@benvirongroup.com.au www.benvirongroup.com.au ABN 52 119 978 063

PRELIMINARY SITE INVESTIGATION (PSI)

1 Station Lane, Penrith NSW

Prepared for

Station Lane Pty Ltd

ATF

The Station Lane Trust

July 2018



Document Set ID: 8363820 Version: 1, Version Date: 31/08/2018

DOCUMENT CONTROL REGISTER

Document Information				
Job Number	Job Number E1857			
Document Number	1			
Report Title	Preliminary Site Investigation (PSI)			
Site Address	1 Station Lane, Penrith NSW			
Prepared for	Station Lane Pty Ltd			
	ATF The Station Lane Trust			

Document Review					
Revision Number Date Issued Description Issued By					
0	02/07/2018	Initial Issue	Ben Buckley		

Distribution Register				
Distribution Method	Custodian	Issued to		
Electronic	B. Buckley	Benviron Group Office		
Electronic	A.Saouma	Station Lane Pty Ltd ATF The Station Lane Trust		

Authorisation and Release				
Signature Name D			Date	
Author	Coller	Ray Liu	02/07/2018	
Author	ber butley	Benjamin Buckley	02/07/2018	

ABBREVIATIONS

AIP	Australian Institute of Petroleum	QA/QC	Quality Assurance, Quality Control
	Ltd		
ANZECC	Australian and New Zealand	RAC	Remediation Acceptance Criteria
	Environment and Conservation		
	Council		
AST	Aboveground Storage Tank	RAP	Remediation Action Plan
BGL	Below Ground Level	RPD	Relative Percentage Difference
BTEX	Benzene, Toluene, Ethyl benzene and Xylene	SAC	Site Assessment Criteria
СОС	Chain of Custody	SVC	Site Validation Criteria
DA	Development Approval	SWL	Standing Water Level
DP	Deposited Plan	TCLP	Toxicity Characteristics Leaching
	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Procedure
DQOs	Data Quality Objectives	TPH	Total Petroleum Hydrocarbons
EPA	Environment Protection Authority	UCL	Upper Confidence Limit
ESA	Environmental Site Assessment	UST	Underground Storage Tank
HIL	Health-Based Soil Investigation	VHC	Volatile Halogenated Compounds
	Level		
LGA	Local Government Area	VOC	Volatile Organic Compounds
NEHF	National Environmental Health	DPI	Department of Primary Industries
	Forum		
NEPC	National Environmental Protection		
	Council		
NHMRC	National Health and Medical		
	Research Council		
ОСР	Organochlorine Pesticides		
OPP	Organophosphate Pesticides		
PAH	Polycyclic Aromatic Hydrocarbon		
PCB	Polychlorinated Biphenyl		
PID	Photo Ionisation Detector		
PQL	Practical Quantitation Limit		

TABLE OF CONTENTS

	INTRODUCTION	10	
2.0	OBJECTIVE		
3.0	SCOPE OF WORKS	11	
4.0	SITE IDENTIFICATION	12	
4.1	SITE IDENTIFICATION	12	
5.0	SITE HISTORY AND PROPOSED DEVELOPMENT	13	
5.1	UNDERGROUND SERVICES	13	
5.2			
5.3	REVIEW OF AERIAL PHOTOGRAPHS	14	
5.4	TITLE SEARCH	15	
5.5	NSW EPA RECORDS	16	
5.6	NSW EPA POEO REGISTER	17	
5.7	SECTION 149(2) PLANNING CERTIFICATE	17	
5.8	SAFEWORK RECORDS	19	
5.9	ANECDOTAL EVIDENCE	19	
5.1	0 SUMMARY OF SITE HISTORY	20	
5.1	1 INTEGRITY ASSESSMENT	21	
5.1	2 PROPOSED DEVELOPMENT	21	
6.0	SITE CONDITION AND SURROUNDING ENVIRONMENT	22	
7.0	SITE INSPECTION		
7.0 7.1	SITE INSPECTION	25	
7.1	SITE INSPECTION	25	
	SITE INSPECTION	25 25 27	
7.1 8.0	SITE INSPECTION	25 25 27	
7.1 8.0 9.0 10.0	SITE INSPECTION	25 25 32 37	
7.1 8.0 9.0 10.0 10.	SITE INSPECTION	25 25 32 37	
7.1 8.0 9.0 10.0 10.	SITE INSPECTION	2525323737	
7.1 8.0 9.0 10.0 10. 10.	SITE INSPECTION		
7.1 8.0 9.0 10.0 10. 10.	SITE INSPECTION		
7.1 8.0 9.0 10.0 10. 10. 11.0	SITE INSPECTION		
7.1 8.0 9.0 10.0 10. 10. 11.0	SITE INSPECTION		
7.1 8.0 9.0 10.0 10. 10. 11.0 11.0	SITE INSPECTION SITE OBSERVATIONS CONCEPTUAL SITE MODEL (CSM) REVIEW OF DATA QUALITY OBJECTIVES PRELIMINARY SOIL INVESTIGATION 1 SOIL ASSESSMENT 2 SAMPLING DENSITY AND RATIONALE 3 SAMPLING METHODOLOGY QUALITY ASSURANCE / QUALITY CONTROL 1 GENERAL QA/QC. 2 SAMPLE CONTAINERS. 3 DECONTAMINATION		
7.1 8.0 9.0 10.0 10. 10. 11.0 11.0 11. 11. 11.	SITE INSPECTION		
7.1 8.0 9.0 10.0 10. 10. 11.0 11.1 11. 11.	SITE INSPECTION SITE OBSERVATIONS CONCEPTUAL SITE MODEL (CSM) REVIEW OF DATA QUALITY OBJECTIVES PRELIMINARY SOIL INVESTIGATION 1 SOIL ASSESSMENT 2 SAMPLING DENSITY AND RATIONALE 3 SAMPLING METHODOLOGY QUALITY ASSURANCE / QUALITY CONTROL 1 GENERAL QA/QC. 2 SAMPLE CONTAINERS. 3 DECONTAMINATION		
7.1 8.0 9.0 10.0 10. 10. 11.0 11. 11.	SITE INSPECTION SITE OBSERVATIONS CONCEPTUAL SITE MODEL (CSM) REVIEW OF DATA QUALITY OBJECTIVES PRELIMINARY SOIL INVESTIGATION 1 SOIL ASSESSMENT 2 SAMPLING DENSITY AND RATIONALE 3 SAMPLING METHODOLOGY QUALITY ASSURANCE / QUALITY CONTROL 1 GENERAL QA/QC 2 SAMPLE CONTAINERS 3 DECONTAMINATION 4 SAMPLE TRACKING, IDENTIFICATION AND HOLDING TIMES 5 SAMPLE TRANSPORT		

12.0	SITE	ASSESSMENT CRITERIA	43
12	.1 SC	DILS	43
12	2.1.1	HEALTH INVESTIGATION LEVELS (HILS)	43
12	2.1.2	HEALTH SCREENING LEVELS (HSLS)	45
12	2.1.3	(EILS) AND (ESLS)	46
12	2.2 AS	SBESTOS	50
13.0	SOIL	RESULTS	51
13	.1 HE	EAVY METALS	51
13	.2 HE	EATH INVESTIGATION LEVELS	51
13	.3 EC	COLOGICAL INVESTIGATION LEVELS	51
13	.4 TR	RH, BTEX, NAPHTHALENE &/OR BENZO (A) PYRENE	51
13	.5 HE	EATH SCREENING LEVELS	51
		COLOGICAL SCREENING LEVELS	
13	.7 PA	AH, OCP & PCB	52
		EATH INVESTIGATION LEVELS	
13	.9 EI	LS & ESLS	53
13	.10 AS	SBESTOS	53
14.0	DISC	USSION	54
14	.1 SC	DILS	54
14	.2 GF	ROUNDWATER QUALITY	55
14	.3 DA	ATA GAP	55
14	.4 DU	UTY TO REPORT	55
15.0	CON	CLUSION AND RECOMMENDATION	57
16.0	LIMI	TATIONS	58

LIST OF TABLES

Table 1: Site Identification Review	12
Table 2 Review of Aerial Photographs	14
Table 3 Historical land title data	15
Table 4: Site Condition and Surrounding Environment Review	22
Table 5: Site Inspection Review	25
Table 6: Areas and Contaminants of Concern	27
Table 7: Potentially Contaminated Media	27
Table 8: Sampling Information - Soil	37
Table 9: QA/QCs Frequencies	39
Table 10: Health Investigation Levels (HIL) Criteria for Soil Contaminants	44
Table 11: Health Screening Levels (HSL) Criteria	46
Table 12: Ecological Investigation Levels (EIL) and Ecological Screening Levels (ESL)	
Criteria	49
Table 13: Health Screening Levels for Asbestos	50

LIST OF APPENDICES

Figure 1	Site Locality			
Figure 2	Site Features & Borehole Location Plan			
Appendix A	DBYD Plans			
Appendix B	Historical Aerial Photographs			
Appendix C	Land Title Information			
Appendix D	NSW EPA Records			
Appendix E	Section 149 Planning Certificate			
Appendix F	Site Photographs			
Appendix G	Proposed Development Plans			
Appendix H	Salinity Risk Map			
Appendix I	DPI (Office of Water) Database Records			
Appendix J	Bureau of Meteorology			
Appendix K	Borehole Logs			
Appendix L	NATA Accredited Laboratory Certificates			
Appendix M	Summary Table			

EXECUTIVE SUMMARY

Benviron Group was appointed by Station Lane Pty Ltd ATF The Station Lane Trust to

undertake a Preliminary Site Investigation (PSI) for the property situated at 1 Station

Lane, Penrith NSW ("the site").

Refer to Figure 1 - Site Locality and Figure 2 - Site Features & Borehole Locations Plan.

The site is currently occupied by one single storey residential type dwelling and is

proposed to be redeveloped into a six-storey residential flat building with two-level

basement and landscape areas.

A site visit was undertaken on 05th June 2018. Fieldwork and reporting was conducted in

general accordance with the Benviron Group proposal and with reference to relevant

regulatory criteria and Benviron Group fieldwork protocols.

The preliminary soil assessment revealed the following:

The laboratory results for all soil samples were below the adopted detection

limits and/or the relevant guideline criteria.

No asbestos was detected in the soil sample analysed.

The following areas identified in the CSM as a potential concern are addressed as

follows:

Historical uses;

Areas of potential filling (underground services, beneath buildings and driveway

areas);

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 9 of 74

Carpark areas / driveways where leaks and spills from cars may have occurred;

and

Degrading building features.

Based on the results of this investigation it is considered that the risks to human health

and the environment associated with soil and groundwater contamination at the site

are low in the context of the proposed use of the site. The site is suitable for the

proposed development, subject to the following recommendations:

Any soil requiring removal from the site, as part of future site works,

should be classified in accordance with the "Waste Classification

Guidelines, Part 1: Classifying Waste" NSW EPA (2014).

An Asbestos Clearance Certificate is recommended to be completed once

all existing buildings are structures have been demolished.

If during any potential site works any significant unexpected occurrence is identified,

site works should cease in that area, at least temporarily, and the environmental

consultant should be notified immediately to set up a response to this unexpected

occurrence.

Thank you for the opportunity of undertaking this work. We would be pleased to

provide further information on any aspects of this report.

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 10 of 74

1.0 INTRODUCTION

Benviron Group was appointed by Station Lane Pty Ltd ATF The Station Lane Trust to

undertake a Preliminary Site Investigation (PSI) for the property situated at 1 Station

Lane, Penrith NSW ("the site").

Refer to Figure 1 - Site Locality and Figure 2 - Site Features & Borehole Locations Plan.

The site is currently occupied by one single storey residential type dwelling and is

proposed to be redeveloped into a six-storey residential flat building with two-level

basement and landscape areas.

This PSI has been requested determine the potential for onsite contamination arising

from any areas of concern located within the site and its surrounding area. This report

shall provide a preliminary assessment of any site contamination and, if required,

provide a basis for a more detailed investigation.

A site visit was undertaken on 05th June 2018. Fieldwork and reporting was conducted in

general accordance with the Benviron Group proposal and with reference to relevant

regulatory criteria and Benviron Group fieldwork protocols.

Soils sampled across the Site were assessed against the Site Acceptance Criteria (SAC)

provided by the National Environment Protection (Assessment of Site Contamination)

Measure (NEPM 2013) Table 1A - Residential B.

The format of this report closely follows that recommended in the NSW Environment

Protection Authority (EPA), now the Office of Environment and Heritage (OEH)

"Guidelines for Consultants Reporting on Contaminated Sites" - 2011.

2.0 OBJECTIVE

The objective of this PSI was to assess the potential for the soils and groundwater at the

site to have been impacted by previous and current activities undertaken at or adjacent

to the site and to assess the site suitability for the proposed development.

This report may also recommend additional investigations and / or remediation works

and possible strategies for the management of the site.

3.0 SCOPE OF WORKS

The scope of works for this PSI included:

• Research and review of the information available, including previous

environmental investigations, past and current titles, aerial photographs, EPA

records and anecdotal evidence, site survey, site records on waste

management practices;

• Site walkover, including research of the location of sewers, drains, holding

tanks and pits, spills, patches of discoloured vegetation, etc;

Quality Assurance/Quality Control (QA/QC): work will be undertaken in

accordance with relevant regulations and are consistent with industry

standards.

Preliminary soil sampling;

4.0 SITE IDENTIFICATION

4.1 Site identification

The site is identified as follows:

Table 1: Site Identification Review

Site Identifier	Site Details		
Site Location	1 Station Lane, Penrith NSW		
Lot/DP	Lot 2B DP161921		
Site Coordinates #	NE corn	er: Latitude: -33.75463, Longitude: 150.693348	
	NW cor	ner: Latitude: -33.754644, Longitude: 150.693179	
	SE corne	er: Latitude: -33.754937, Longitude: 150.693131	
	SW corr	ner: Latitude: -33.75495, Longitude: 150.69294	
Parish	Mulgoa		
County	Cumberland		
Nearest Survey Marker	P,12635D, 58m SE		
Site Area #	663 m ²		
Local Government Area (LGA)	Penrith		
Zoning##	R4 – Hig	h Density Residential	
	North	Residential	
Surrounding Land Uses	South	Drainage line then community hall	
	East	Street then Residential	
	West	Residential	

Notes:

[#] Refer to NSW LPI "Six Maps" https://maps.six.nsw.gov.au/

^{##} https://www.planningportal.nsw.gov.au/find-a-property

5.0 SITE HISTORY AND PROPOSED DEVELOPMENT

5.1 Underground Services

Dial Before You Dig' plans were requested and reviewed for the Site. Plans were

provided by Endeavour Energy, Jemena Gas West, NBN Co, Roads and Maritime

Services, Sydney Water and Telstra NSW. The plans did not indicate the presence of any

major underground services or utility easements at the site with the exception of an

NBN fibre optic cable and a Telstra cable.

The NBN plan and Telstra Plan indicate cables entering the property in the northeast

corner and running diagonally to the centre. It is noted that these underground services

are considered potential preferential pathways.

Refer to **Appendix A** – DBYD Plans.

5.2 Review of Historical Maps

A search of the maps originally produced by Higinbotham & Robinson was undertaken.

No relevant information was found.

5.3 Review of Aerial Photographs

A number of aerial photographs obtained from the NSW Department of Lands and/or the Land and Property Information Spatial Information Exchange website "Six maps" were reviewed as part of this PSI. Copies of the aerial photographs are kept in the offices of Benviron Group and are available for examination upon request. The results of this review are presented in the following table:

Table 2 Review of Aerial Photographs

Year		Site	Surrounding areas
1943	Vacant	The site appeared to be Vacant block	N: Residential S: Street then Vacant block E: Vacant then street W: Vacant block
1956	Vacant	No major changes.	N: Residential S: Street then Vacant block E: Vacant then street W: Vacant block
1970	Residential	A residential house was constructed between 1956 and 1970.	N: More Residential buildings S: Street then buildings E: Residential-type building then street W: Residential-type building in the southeast corner
1994	Residential	No major changes.	N: Residential S: Street then buildings E: Residential-type building then street W: Residential-type building
2005	Residential	No major changes	No major changes
Six Maps	Residential	No major changes from the 2005 aerial photograph.	N: Residential S: Street then buildings E: Residential-type building then street W: Residential-type buildings
Current	As per inspection	The site is as inspected (section 7.1)	As per inspection

The aerial photographs indicate the site had been vacant since at least 1943. And a residential property was constructed between 1956 and 1970. It remained as per the residential use with possible some minor alterations to the buildings (sheds/trees) on the site.

The surrounding land had been predominantly vacant and/or residential to the north, east and west of the site and has remained residential in nature to the current date. The land to the south was identified as vacant land in the 1943. From 1956 to 1970, the land to the south had been commercial/ community buildings and the building remained the same shape until present date.

Refer to **Appendix B** – Historical Aerial Photographs.

5.4 Title search

A review of historical documents held at the NSW Department of Lands offices was undertaken to characterise the previous land use and occupiers of the site.

Table 3 Historical land title data

Lot 2B in DP16192 (1 Station Lane, Penrith NSW)				
Year Proprietor		Company/Personal Occupation		
2017-Current	Regina Leimanis			
1956	Imants Leimanis Rehina Leimanis			
1935	Fred Johnston	Schoolteacher		
Before 1935	L.H. Byrnes			

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 16 of 74

In summary, the land titles have indicated the following:

• The property at 1 Station Lane has been owned by private individuals from at

least 1935 to the current date.

• The land titles have revealed no concerns in relation to potential land use.

Refer to **Appendix C** – Land Titles Information.

5.5 NSW EPA Records

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.

A search of the database revealed that the subject site is not listed. One property is

listed within the suburb of Penrith. However, it is not considered to have any adverse

effect due to it located more than 2km away from the site.

It should be noted that the NSW EPA record of Notices for Contaminated Land does not

provide a record of all contaminated land in NSW.

Refer to **Appendix D** – NSW EPA Records.

5.6 NSW EPA POEO Register

A search of the POEO Register revealed that the site was not listed.

Refer to **Appendix D** – NSW EPA Records.

5.7 Section 149(2) Planning Certificate

The Planning Certificate - Section 149 (2) of the Environmental Planning & Assessment

Act 1979 for the site was provided by the client. A summary of the information

pertaining to site is provided below:

1 Station Lane

• The Penrith Local Environmental Plan 2010 applies to the land

• The Sydney Regional Environmental Plan No.9 Extractive Industry applies to the

local government area of Penrith

• The Sydney Regional Environmental Plan No.20 - Hawkesbury- Nepean River

applies to the local government area of Penrith

The land is currently zoned – R4 High Density Residential under the Penrith LEP

2010.

• The land does not include or comprise critical habitat under any environmental

planning instrument.

• The land is not located within a conservation area under the provisions of the

Auburn LEP 2010.

• There is no item of environmental heritage situated on the land.

• The following complying development code may be carried on the land

- General Housing Code
- Rural Housing Code
- Housing Alterations Code
- General Development Code
- Commercial and Industrial Alterations Code
- Subdivisions Code
- Demolition Code
- Fire Safety Code
- The land is not within a proclaimed mine subsidence district.
- The land is not affected by the operation of sections 38 or 39 of the Costal Protection Act 1979, to the extent that council has been so notified by the Department of Public Works.
- The land is not affected by any road widening or road realignment under division
 2 of part 3 of the Roads Act 1993 or any environmental planning instrument or any resolution of the council.
- The land is affected by the Asbestos Policy adopted by Council.
- The land is not affected by any other policy adopted by the council that restricts
 the development of the land because of the likelihood of land slip, bushfire, tidal
 inundation, subsidence, acid sulphate soils or any other risk (other than
 flooding).
- The Bush Fire Co-ordinating Committee has adopted a Bush Fire Risk Management Plan that covers the local government area of Penrith City Council, and includes public, private and Commonwealth lands.
- Development on the land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing, residential flat buildings, industrial or commercial is subject to flood related development controls.
- The land is not biodiversity certified land.

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 19 of 74

• The land is not under biobanking agreement under Part 7A of the Threatened

Species Conservation Act 1995 relates.

• The land is not shown to be bushfire prone land as defined in EP& A Act 1979.

• The land is not subject to Orders under Trees Act 2006.

Refer to **Appendix E** – Section 149 Planning Certificate.

5.8 SafeWork Records

The site was inspected on the 05th June 2018 and there were no visual indicators of USTs

and/or related infrastructure in areas accessible. Benviron Group has considered the site

inspection, aerial photographs & land title information and concluded the land use

appeared to be entirely vacant and/or residential. Therefore, based on the weight of

evidence above no SafeWork NSW search was undertaken for this site.

5.9 Anecdotal evidence

No anecdotal evidence regarding contamination was identified for the site.

5.10 Summary of site history

In summary:

- The land title information indicated the property at 1 Station Lane has been owned by private individuals from at least 1935 to the current date. The land titles have revealed no concerns in relation to potential land use.
- The aerial photographs indicate the site had been vacant since at least 1943. And
 a residential property was constructed between 1956 and 1970. It remained as
 per the residential use with possible some minor alterations to the buildings
 (sheds/trees) on the site.
- The surrounding land had been predominantly vacant and/or residential to the north, east and west of the site and has remained residential in nature to the current date. The land to the south was identified as vacant land in the 1943. From 1956 to 1970, the land to the south had been commercial/ community buildings and the building remained the same shape until present date.
- NSW EPA Records have indicated that the subject site is not listed.
- The Section 149 planning certificate has been reviewed as part of this investigation. It has revealed no concerns in relation to potential land use.
- The Council records have not been accessed to disclose file records relating to the site as part of this investigation.
- The site was inspected on the 05th June 2018 and there were no visual indicators of USTs and/or related infrastructure in areas accessible. Benviron Group has considered the site inspection, aerial photographs & land title information and concluded the land use appeared to be entirely vacant and/or residential. Therefore, based on the weight of evidence above no SafeWork NSW search was undertaken for this site.

Page 21 of 74

5.11 Integrity Assessment

The information found in the historical sources has been found to be in general

concurrence. It is therefore considered that accuracy of this data is acceptable for this

investigation.

5.12 Proposed Development

The site is currently occupied by one single storey residential type dwelling and is

proposed to be redeveloped into a six-storey residential flat building with two-level

basement and landscape areas.

Refer to **Appendix G** - Proposed Development Plans.

6.0 SITE CONDITION AND SURROUNDING ENVIRONMENT

Table 4: Site Condition and Surrounding Environment Review

Site Information	Descriptions
Sensitive Receivers	The nearest sensitive human receptors are the current and future
	users of the site, construction workers during the site
	redevelopment and the general public.
	The nearest watercourse is Peach Tree Creek located 950m west
	of the site.
Soil Landscape	The Soil Landscape Map viewed on NSW ESPADE indicates that
	the site is located within the Richmond landscape area. These
Review of NSW Soil and Land	soils are considered localised flood hazard, localised seasonal
Information website ESPADE.	waterlogging, localised water erosion hazard on terrace edges.
Topography	The topography viewed on NSW ESPADE indicated the following
Review of NSW Soil and Land	for the Richmond Landscape:
Information website ESPADE.	
	Quaternary terraces of the Nepean and Georges Rivers. Mainly
	flat (slopes <1%). Splays and levees provide local relief (<3 m).
	Tree cover, now almost completely cleared, was formerly a low
	open-woodland (dry sclerophyll).
	Based on the site inspection it was determined that the site was
	generally flat.

Site Information			Descript	ions		
Geological Profile	The Geolog	gical Map of	Penrith (Geologic	al Series Sh	neet 9030,
	Scale 1:100	,000, Edition	1, 1991) p	ublished	by the Dep	artment of
	Minerals a	nd Energy inc	licates tha	t the re	sidual soils	within the
	site to be	underlain by	Quaternar	y Age sc	oils of the C	ranebrook
	Formation,	comprising of	gravel, sa	nd, silt a	nd clay.	
Presence of Acid Sulphate Soils	A review o	f the Acid Su	phate Soi	Risk Ma	aps indicate	d that the
	site is not	included in	the map	s, so th	ere is a "ſ	No Known
Review of NSW Department of	Occurrence	" of acid sulpl	nate soil m	aterials v	within the so	oil profile.
Land & Water Conservation						
(DLWC) Acid Sulphate Soil Risk						
Maps (Edition Two, December						
1997, Scale 1:250,000).						
Salinity Potential	A review o	f the Salinity	Potential	in Weste	ern Sydney	2002 Map
Review of DIPNR Salinity Potential	(DIPNR March 2003) was undertaken for the site. The map					
in Western Sydney 2002 Risk Map	indicated the site is located in an area listed as moderate salinity			ate salinity		
	potential.					
Refer to Appendix H – Salinity						
Risk Map.	Reference s	should be mad	de to Appe	ndix I fo	r a copy of t	he Salinity
	Risk Map.					
Localised Hydrogeology	Number	Location	Depth	SWL	Use	Water
Review of DPI (Office of Water)		from Site	(m BGL)	(m		Bearing
Database.	CM/02074.0	200 111		BGL)		Zones
	GW029710	290m W	-	-	-	-

© Benviron Group

Page 23 of 74

Document Set ID: 8363820 Version: 1, Version Date: 31/08/2018

(Google Maps Search)

Site Information	Descriptions					
Appendix I – DPI (Office of	GW103048	290m SW	-	-	-	-
Water) Database Records.						
	GW111987	GW111987	-	-	-	-
	GW111988	330m NW	-	-	-	-
	GW111989	330m NW	-	-	-	-
Nearest Surface Water Body	The nearest watercourse is Peach Tree Creek located 950m west					
	of the site.					
Local Meteorology	The monthl	y rainfall of t	he local su	urroundir	ng area is re	epresented
(Bureau of Meteorology BOM	by the data collected from the BOM rainfall gauge located in			located in		
website)	Penrith Lake AWS NSW, which is located approximately 3.5km			tely 3.5km		
Appendix J – BOM Data.	from Penrith. The records indicate that the lowest & highest					
	monthly rainfall recorded in June (date of fieldwork) was 3.2mm					
	& 150.2mm respectively.					
Nearest Active Service Station	2.5km north	n west of the	site.			

© Benviron Group

Page 24 of 74

Document Set ID: 8363820 Version: 1, Version Date: 31/08/2018

7.0 SITE INSPECTION

Site: 1 Station Lane, Penrith NSW

7.1 Site observations

The site was visited on the 05th June 2018 by Benviron Group Environmental Scientist to inspect the site for any potential sources of contamination.

At the time of the site visit the following observations were made as per the following table:

Table 5: Site Inspection Review

Factors Considered	Description of Sites
Buildings & Structures on Site	The site is trapezoid in shape and is occupied by a single
	storey residential house with garage and concrete
	driveway. The site consists of court The remainder of the
	site contains grassed areas.
Percentage Hard-standing surface	60%
Concrete Condition	Average
Chemical Storage	No chemical storage areas were noticed in the accessible
	areas during the site inspection.
Above and Underground Storage	USTs and ASTs were not identified within the property.
Tanks	
Trade Waste Pits	No trade waste agreements or pits were identified for the
	building.
Nearby Electrical Transformers	No electrical transformers were identified within the site
Asbestos	Fibro cement fragments were noted on the eaves of the
	house. Potential asbestos may exist somewhere else due

Site: 1 Station Lane, Penrith NSW

	to the limitation of the accessible areas.
Site Vegetation	Appeared healthy.
Soil Staining and Odours	No odours were identified within the property. No
	significant soil staining was noted during the inspection.
Stormwater and Sewer	Stormwater and sewage were connected to the local
	utilities.

Refer to **Figure 1** - Site Locality, **Figure 2** - Site Features & Borehole Locations Plan and **Appendix F** – Site Photographs.

© Benviron Group

Page 26 of 74

Document Set ID: 8363820 Version: 1, Version Date: 31/08/2018

8.0 CONCEPTUAL SITE MODEL (CSM)

Based on the above information, site history and site walkover, the areas of potential concern and associated contaminants for the site CSM were identified. These are summarised in the following table.

Table 6: Areas and Contaminants of Concern

Known and potential	Associated Contaminants
contamination source	
Historical& Current Site Uses	Heavy Metals, TRH, BTEX, PAH, OCP, PCB
Imported Fill	Heavy Metals, TRH, BTEX, PAH, OCP, PCB
Car parking Areas	TRH, BTEX, PAH
Building degradation/	Heavy Metals and Asbestos
Demolition	

Table 7: Potentially Contaminated Media

Known and potential contamination source	Associated Contaminants
Fill Material	There is the potential for contamination to be present in the upper fill material.
Groundwater	There is the potential for the leaching of contaminants into groundwater onsite and also migration of the contaminants.

Potential for Migration

Contaminants generally migrate from site via a combination of windblown dusts,

rainwater infiltration, groundwater migration and surface water runoff. The potential

for contaminants to migrate is a combination of:

• The nature of the contaminants (solid/liquid and mobility characteristics);

• The extent of the contaminants (isolated or widespread);

• The location of the contaminants (surface soils or at depth); and

• The site topography, geology, hydrology and hydrogeology.

The potential contaminants identified as part of the site history review, site inspection

and previous report are present in solid (e.g. impacted fill, asbestos) and liquid (e.g.

dissolved in water) forms.

Aerial photography has indicated that there are unsealed ground surfaces and therefore

there is the potential for migration of contaminants via wind-blown dust.

Rainfall infiltration at the site is expected to occur in unsealed areas. There is therefore

the potential that soil contamination could result in impacts to shallow groundwater.

Potential Exposure Pathways

Potential exposure pathways include:

- Dermal;
- Ingestion; and
- Inhalation.

Due to the presence of exposed potentially impacted soil/fill on ground surfaces, dermal exposure is considered a potential exposure pathway.

The potential for ingestion of soil is considered as a potential exposure pathway.

© Benviron Group

Document Set ID: 8363820 Version: 1, Version Date: 31/08/2018 **Receptors**

Potential receptors of environmental impact present within the site which will be

required to be addressed with respect to the suitability of the site for the proposed use

include:

• Excavation/construction/maintenance workers conducting activities at the site,

who may potentially be exposed to COPCs through direct contact with impacted

soils, Vapour Intrusion and/or groundwater present within excavations and/or

inhalation of dusts/fibres associated with impacted soils;

• Future occupants/users of the site may potentially be exposed to COPCs through

direct contact with impacted soils and/or ingestion of impacted soils and/or

inhalation of dusts/fibres associated with impacted soils and/or exposure to

vapour; and/or

Offsite sensitive receptors of groundwater;

Flora species to be established on vegetated areas of the site; and

• Peach Tree Creek.

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 31 of 74

Preferential Pathways

For the purpose of this assessment, preferential pathways have been identified as

natural and/or man-made pathways that result in the preferential migration of COPCs as

either liquids or gases.

Man-made preferential pathways are present throughout the site, generally associated

with fill materials and services present beneath existing ground surface. Fill materials

and service lines are anticipated to have a higher permeability than the underlying

natural soil and/or bedrock.

The NBN plan and Telstra Plan indicate cables entering the property in the northeast

corner and running diagonally to the centre. It is noted that these underground services

are considered potential preferential pathways.

9.0 REVIEW OF DATA QUALITY OBJECTIVES

The DQOs were also prepared using Appendix IV of the Site Auditor Guidelines. These

require 7 steps. The steps being

a. State the problem

b. Identify the decisions

c. Identify inputs to decision

d. Define the study boundaries

e. Develop a decision rule

f. Specify limits on decision errors

g. Optimise the design for obtaining data

9.1 State the Problem

The site requires to be confirmed suitable for the proposed development. The site is

proposed to be redeveloped and has had some areas of potential concern, those being

impacts from historical & current uses, imported fill of unknown origin, degradation of

the building materials and leakages from vehicles on site.

Technically defensible evidence needs to be provided so that the identified Site does not

present an unacceptable risk to human health or the environment and is suitable for the

intended land use.

9.2 Identify the Decisions

The decisions to be made on the contamination and the new environmental data

required includes considering relevant site contamination criteria for each medium (fill,

soil and sediment). A proposed use of the 95% UCL on the mean concentrations for all

soil chemicals of potential concern must be less than the site criteria identified for the

relevant land use suitability.

The decisions made in completing this assessment are as follows:

• Does the site or is the site likely to present a risk of harm to

humans or the environment

Is the site currently suitable for the proposed land use being

residential with access to soil

• Is there a potential for soil and groundwater contamination

Is there a potential for offsite migration issues

Does the sampling results meet the site criteria proposed

If not, does the site require remediation works

9.3 Identify Inputs to Decision

This step requires the identification of the environmental variables/characteristics that

need measuring, identification of which media (fill, soil etc.) need to be collected,

identification of the site criteria for each medium of concern and appropriate analytical

testing. Inputs include:

Existing site information

Site history

Regional geology, topography and hydrogeology

Potential contaminants

Proposed Land Use

• Site assessment criteria

Results as measured against criteria

9.4 Define the Study Boundaries

Specific spatial and temporal aspects must be provided to identify the boundaries of the

investigation and to identify any restrictions that may hinder the assessment process.

The site is located at 1 Station Lane, Penrith NSW and is currently registered as Lot 2B in

DP161921. The site is approximately 663 m² in area.

Refer to Figure 1 - Site Locality and Figure 2 - Site Features & Borehole Locations Plan.

9.5 Develop a Decision Rule

The information obtained through this assessment will be used to characterise the soils

and the groundwater on the site in terms of contamination issues and risks to human

health and the environment. The decision rule in characterising the site will be as

follows:

• Laboratory test results will be measured against the criteria provided

within this report

The site will be deemed suitable for the proposed use if the following

criteria are fulfilled:

o Soil and groundwater concentrations are within background

levels

o QA/QC shows data can be relied upon

o Results generally meet regulatory criteria

Results are from NATA accredited laboratories

o Detection limits are below assessment criteria

Results can be shown to be of minimal concern

9.6 Specify Limits on Decision Errors

The limits on decision errors for this assessment are as follows:

• The assessment criteria adopted from the guidelines within this

report have risk probabilities already incorporated.

The acceptable limits for inter/intra laboratory duplicate sample

comparisons are laid out within our protocols.

The acceptable limits for laboratory QA/QC parameters are based

upon the laboratory reported acceptable limits and those stated

within the NEPM 1999 Guidelines (2013 Amendment)

9.7 Optimise the Design for Obtaining Data

A resource-effective sampling and analysis design was undertaken for data collection

that satisfies the DQO's. The sampling and analytical plan is designed to avoid Type 1

and Type 2 errors and includes defining minimum sample numbers required to detect

contamination as determined with procedures provided in the NSW EPA 1995 Sampling

Design Guidelines and AS 4482.1 - 2005 and appropriate quality control procedures.

Furthermore, only laboratories accredited by NATA for the analysis undertaken were

used. The laboratory data was assessed from quality data calculated during this

Page 36 of 74

assessment. Field QA/QC protocols adopted and incorporate traceable documentation of procedures used in the sampling and analytical program and in data verification procedures.

10.0 PRELIMINARY SOIL INVESTIGATION

The preliminary soil investigation took place on the 05th June 2018 and was designed to meet the Data Quality Objectives.

10.1 Soil Assessment

Two soil samples were recovered from two boreholes labelled S1 and S2. These locations were selected to detect any contamination that may have originated from past and present activities, and due to potential excavation and future development in these areas.

Table 8: Sampling Information - Soil

Analy	te / Analyte Group	SAMPLING DATE	DUPLICATE & SPLIT	HEAVY METALS	TRH	BTEX	PAH	OCP	PCB	Asbestos %w/w
Sample	Depth (m)									
S1	0-0.2	05.06.2018		>	~	>	>			
S2	0-0.2	05.06.2018		>	~	>	>	>	~	>

The locations of the boreholes are shown in **Figure 2** and details of the borehole logs are presented in **Appendix K** – Borehole Logs.

Based on information from all boreholes, the surface and sub-surface profile across the site is generalised as follows:

Fill: Silty Sands

10.2 Sampling Density and Rationale

The NSW EPA "Sampling Design Guidelines" (September 1995) requires a minimum

sampling density of six (6) sampling points for a site area of 663m².

Benviron Group recovered two soil samples from two boreholes. Sampling was

preliminary in nature and not designed to meet the above guidelines, but target any

potential areas of concern.

10.3 Sampling Methodology

In summary:

• Soil samples were collected using a hand auger, DCP and U50 to collect

undisturbed samples.

Samples were transferred directly into appropriately labelled clean laboratory

supplied containers;

Samples were transferred into chilled eskies for sample preservation;

• A Chain of Custody was completed and forwarded to the laboratory. Sampling

analysis was based on field observations and was in accordance to the schedule

outlined in Table 8.

Soil samples were submitted to their respective laboratories as specified in

Section 11.

11.0 QUALITY ASSURANCE / QUALITY CONTROL

11.1 General QA/QC

The frequency required for each field quality assurance / quality control (QA/QC) sample is presented in the table below.

Table 9: QA/QCs Frequencies

	Intra Lab	Inter Lab	Rinsate	Spikes	Blanks
Sampling	1 in 20	1 in 20	1/day	1/day	1/day
Frequency					

During the contamination assessment the integrity of data collected is considered vital. With the assessment of the site, a number of measures were taken to ensure the quality of the data. These are as follows:

11.2 Sample Containers

Soil samples collected during the investigation were placed immediately into laboratory prepared glass jars with Teflon lid inserts. Standard identification labels were adhered to each individual container and labelled according to depth, date, sampling team and media collected.

11.3 Decontamination

All equipment used in the sampling program was decontaminated prior to use and

between samples to prevent cross contamination. Decontamination of equipment

involved the following procedures:

Cleaning equipment in potable water to remove gross contamination;

Cleaning in a solution of Decon 90;

• Rinsing in clean demineralised water then wiping with clean lint free cloths;

Benviron Group also adopted a sampling gradient of lowest to highest potential

contamination to minimise the impact of cross contamination. This gradient was

determined from the historical review and the on-site inspection that was carried out

prior to sampling.

Although Benviron Group maintains consistent sampling procedures, a rinsate sample is

obtained to ensure false positive samples are not generated and that decontamination

procedures are effective in preventing cross contamination. The Rinsate water is

collected after being in contact generally with the trowel used for sampling. Analytical

results that target the contaminants of concern are compared to a blank sample, which

is taken directly from the rinsate water container supplied by the laboratory.

A rinsate sample was not collected as the samples were taken directly from the U50

tube via DCP & hand auger and therefore the chance for cross-contamination was

minimal.

11.4 Sample Tracking, Identification and Holding Times

All samples were forwarded to Envirolab under recognised chain of custodies with clear

identification outlining the date, location, sampler and sample ID. All samples were

recorded by the laboratory as meeting their respective holding times. The sample

tracking system is considered adequate for the purposes of sample collection.

11.5 Sample Transport

All samples were packed into an esky with ice from the time of collection. A trip blank

and trip spike are collected where appropriate. These were transported under chain of

custody from the site to Envirolab Pty Ltd, a NATA registered laboratory. During the

project, the laboratory reported that all the samples arrived intact and were analysed

within holding times for the respective analytes.

Samples were kept below 4°C at all times, soil samples submitted for asbestos analysis

are not required to be kept below 4°C.

11.6 Trip Spike

Trip Spike samples were obtained from the laboratory prior to conducting field sampling

where volatile substances are suspected. Benviron Group QA/QC procedures for the

collection of environmental samples involves the collection of trip blanks, trip spikes and

duplicate samples both intra and inter laboratory.

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 42 of 74

Trip Spike samples were not collected as part of this investigation. Results indicate that

no volatile hydrocarbons were present within the samples and therefore losses most

likely would not have occurred.

11.7 Trip Blank

A trip blank accompanied the sampling for the sampling process and is not separated

from the sample collection and transportation process. The purpose of the trip blank is

to identify whether cross-contamination is occurring during the sample collection and

transport process.

Trip Blank samples were not collected as part of this investigation. Results indicate that

no volatile hydrocarbons were present within the samples and therefore cross

contamination most likely would not have occurred.

11.8 Laboratory QA/QC

The integrity of analytical data provides the second step in the QA/QC process for total

data compliance. The data validation techniques adopted by Benviron Group are based

upon techniques published by the US EPA and in line with methods and guidelines

adopted by the NSW EPA and outlined in the NEPM, 2013.

Descriptions are provided of the specific mechanisms used in the assessment of

accuracy, precision and useability of analytical data within the project.

Refer to **Appendix L**- NATA Accredited Analytical Results.

12.0 SITE ASSESSMENT CRITERIA

12.1 SOILS

12.1.1 Health Investigation Levels (HILs)

To assess the contamination status of soils at a site, the NSW EPA refers to the

document entitled National Environmental Protection (Assessment of Site

Contamination) Measure (NEPM) (Amendment 2013).

The site is currently occupied by one single storey residential type dwelling and is

proposed to be redeveloped into a six-storey residential flat building with two-level

basement and landscape areas.

The site will be assessed against the NEPM exposure scenario 'Residential B' Health

Investigation Levels of the above mentioned guidelines and specifically refers to the

following:

HIL 'B' Residential with minimal opportunities for soil access: includes dwellings with

fully and permanently paved yard space such as high-rise buildings and apartments

The soil regulatory guidelines are presented in the table below.

Table 10: Health Investigation Levels (HIL) Criteria for Soil Contaminants

Benviron & group simple sustainable solutions	Residential B	Reference
Heavy Metals		
Arsenic	500	NEPM 2013 - Table 1(A)1 HlLs
Beryllium	90	NEPM 2013 - Table 1(A)1 HILs
Boron	40000	NEPM 2013 - Table 1(A)1 HlLs
Cadmium	150	NEPM 2013 - Table 1(A)1 HILs
Chromium (VI)	500	NEPM 2013 - Table 1(A)1 HlLs
Cobalt	600	NEPM 2013 - Table 1(A)1 HlLs
Copper	30000	NEPM 2013 - Table 1(A)1 HILs
Lead	1200	NEPM 2013 - Table 1(A)1 HlLs
Manganese	14000	NEPM 2013 - Table 1(A)1 HILs
Mercury (Inorganic)	120	NEPM 2013 - Table 1(A)1 HlLs
Methyl Mercury	30	NEPM 2013 - Table 1(A)1 HlLs
Nickel	1200	NEPM 2013 - Table 1(A)1 HlLs
Selenium	1400	NEPM 2013 - Table 1(A)1 HILs
Zinc	60000	NEPM 2013 - Table 1(A)1 HlLs
Cyanide (Free)	300	NEPM 2013 - Table 1(A)1 HlLs
Polycyclic Aromatic Hydrocarbon	is (PAHs)	
Carcinogenic PAHs (as Bap TEQ)	4	NEPM 2013 - Table 1(A)1 HILs
Total PAHs	400	NEPM 2013 - Table 1(A)1 HlLs
Organochlorine Pesticides		
DDT + DDE + DDD	600	NEPM 2013 - Table 1(A)1 HlLs
Aldrin + Dieldrin	10	NEPM 2013 - Table 1(A)1 HlLs
Chlordane	90	NEPM 2013 - Table 1(A)1 HlLs
Endosulfan	400	NEPM 2013 - Table 1(A)1 HILs
Heptachlor	10	NEPM 2013 - Table 1(A)1 HILs
HCB	15	NEPM 2013 - Table 1(A)1 HILs
Phenois		
Phenols	45000	NEPM 2013 - Table 1(A)1 HILs
Pentachlorophenol	130	NEPM 2013 - Table 1(A)1 HILs
Cresols	4700	NEPM 2013 - Table 1(A)1 HILs
Polychlorinated Biphenyls (PCBs)	
PCBs	1200	NEPM 2013 - Table 1(A)1 HILs
Other Pesticides		
Atrazine	470	NEPM 2013 - Table 1(A)1 HlLs
Chlorpyrifos	340	NEPM 2013 - Table 1(A)1 HlLs
Bifenthrin	840	NEPM 2013 - Table 1(A)1 HILs
Herbicides		
2,4,5-T	900	NEPM 2013 - Table 1(A)1 HILs
2,4-D	1600	NEPM 2013 - Table 1(A)1 HlLs
MCPA	900	NEPM 2013 - Table 1(A)1 HILs
МСРВ	900	NEPM 2013 - Table 1(A)1 HlLs
Mecoprop	900	NEPM 2013 - Table 1(A)1 HlLs
Picloram	6600	NEPM 2013 - Table 1(A)1 HlLs
Other Organics		. /
PDBE (Br1-Br9)	2	NEPM 2013 - Table 1(A)1 HILs

Note - All values are in mg/kg

12.1.2 Health Screening Levels (HSLs)

The HSLs are applicable to generic land uses such as residential, commercial/industrial

or recreational/public open space and different soil types between the ground surface

and soils >4 metres below ground level. The HILs have been applied to assess human

health risks via the inhalation and direct contact pathways of exposure.

It should be noted that HSL D can be used in lieu of HSL B for buildings that comprise car

parks or commercial properties on the ground floor.

For assessing TRH and BTEX contamination at sites used for sensitive land use, such as

residential, the NEPM refers to the Health Screening Levels (HSLs) "HSL A and HSLB".

For selection of the health screening criteria an assessment of the in-situ soil profile

should be undertaken. The soil profile consisted of predominantly Sand.

Table 11: Health Screening Levels (HSL) Criteria

Benviron & group	HSL A & HSL B	HSL A & HSL B	HSL A & HSL B	HSL B	Soil Saturation Concentration (Csat)	Reference
OL AV	0m to <1m	1m to <2m	2m to <4m	4m+		
CLAY Toluene	480	NL	NL	NL	630	NEDM 2012 Table 1/A) 2 HSI a
	HOU NL	NL NL	NL NL	NL NL	68	NEPM 2013 - Table 1(A) 3 HSLs NEPM 2013 - Table 1(A) 3 HSLs
Ethylbenzene Xylenes	110	310	NL NL	NL NL	330	NEPM 2013 - Table 1(A) 3 HSLs
Naphthalene	5	NL	NL NL	NL NL	10	NEPM 2013 - Table 1(A) 3 HSLs
Benzene	0.7	1	2	3	430	NEPM 2013 - Table 1(A) 3 HSLs
F1	50 50	90	150	290	850	NEPM 2013 - Table 1(A) 3 HSLs
F2	280	NL	NL	NL		NEPM 2013 - Table 1(A) 3 HSLs
SAND	200	INL	INL	INL	300	INEF IN 2013 - Table T(A) 3 TISES
Toluene	160	220	310	540	560	NEPM 2013 - Table 1(A) 3 HSLs
Ethylbenzene	55	NL	NL NL	NL	64	NEPM 2013 - Table 1(A) 3 HSLs
Xylenes	40	60	95	170	300	NEPM 2013 - Table 1(A) 3 HSLs
Naphthalene	3	NL	NL NL	NL	9	NEPM 2013 - Table 1(A) 3 HSLs
Benzene	0.5	0.5	0.5	0.5	360	NEPM 2013 - Table 1(A) 3 HSLs
F1	45	70	110	200	950	NEPM 2013 - Table 1(A) 3 HSLs
F2	110	240	440	NL	560	NEPM 2013 - Table 1(A) 3 HSLs
SILT						()
Toluene	390	NL	NL	NL	640	NEPM 2013 - Table 1(A) 3 HSLs
Ethylbenzene	NL	NL	NL	NL	69	NEPM 2013 - Table 1(A) 3 HSLs
Xylenes	95	210	NL	NL	350	NEPM 2013 - Table 1(A) 3 HSLs
Naphthalene	4	NL	NL	NL	10	NEPM 2013 - Table 1(A) 3 HSLs
Benzene	0.6	0.7	1	2	440	NEPM 2013 - Table 1(A) 3 HSLs
F1	40	65	100	100	910	NEPM 2013 - Table 1(A) 3 HSLs
F2	230	NL	NL	NL	570	NEPM 2013 - Table 1(A) 3 HSLs

Note - All values are in mg/kg

12.1.3 (EILs) and (ESLs)

Ecological Investigation Levels (EILs) -

The NEPM 2013 states that "Ecological investigation levels (EILs) for the protection of terrestrial ecosystems have been derived for common contaminants in soil based on a species sensitivity distribution (SSD) model developed for Australian conditions. EILs have been derived for As, Cu, CrIII, DDT, naphthalene, Ni, Pb and Zn

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 47 of 74

Insufficient data was available to derive ACLs for arsenic (As), DDT, lead (Pb) and

naphthalene. As a result, the derived EILs are generic to all soils and are presented as

total soil contaminant concentrations in Tables 1B (4) and 1B (5) within the NEPM 2013.

For the purposes of EIL derivation, a contaminant incorporated in soil for at least two

years is considered to be aged for the purpose of EIL derivation. The majority of

contaminated sites are likely to be affected by aged contamination. Fresh contamination

is usually associated with current industrial activity and chemical spills".

The following process describes the method for calculation of site specific EILs.

A. EILs for Ni, Cr III, Cu, Zn and Pb aged contamination (>2 years)

Steps 1-4 below describe the process for deriving site-specific EILs for the above

elements using Tables 1B (1) – 1B (4), which can be found at the end of the NEPM 2013.

1. Measure or analyse the soil properties relevant to the potential contaminant of

concern (pH, CEC, organic carbon, clay content). Sufficient samples need to be

taken for these determinations to obtain representative values for each soil type

in which the contaminant occurs.

2. Establish the sample ACL for the appropriate land use and with consideration of

the soil-specific pH, clay content or CEC. The ACL for Cu may be determined by

pH or CEC and the lower of the determined values should be selected for EIL

calculation. Note that the ACL for Pb is taken directly from Table 1(B) 4.

3. Calculate the contaminant ABC in soil for the particular contaminant and location

from a suitable reference site measurement or other appropriate method.

Page 48 of 74

4. Calculate the EIL by summing the ACL and ABC:

EIL = ABC + ACL

B. EILs for As, DDT and naphthalene

EILs for aged contamination for DDT and naphthalene are not available and the adopted

EIL is based on fresh contamination taken directly from Table 1B (5). The EILs for As, DDT

and naphthalene are generic i.e. they are not dependent on soil type and are taken

directly from Table 1B (5). Only EILs for fresh contamination are available for As, DDT

and naphthalene due to the absence of suitable data for aged contaminants.

Ecological Screening Levels (ESLs) -

Ecological screening levels (ESLs) are presented based on a review of Canadian guidance

for petroleum hydrocarbons in soil and application of the Australian methodology

(Schedule B5b) to derive Tier 1 ESLs for BTEX, benzo(a)pyrene and F1 and F2 (Warne

2010a, 2010b)

The Canadian Council of the Ministers of the Environment (CCME) has adopted risk-

based TPH standards for human health and ecological aspects for various land uses in

the Canada-wide standard for petroleum hydrocarbons (PHC) in soil (CCME 2008) (CWS

PHC). The standards established soil values including ecologically based criteria for sites

affected by TPH contamination for coarse- and fine-grained soil types.

Page 49 of 74

<u>Table 12: Ecological Investigation Levels (EIL) and Ecological Screening Levels (ESL)</u>
<u>Criteria</u>

Benviron & group & simple sunstable solutions	Contaminant Age/Soil Texture	National parks and areas of high conservation value	Urban residential and open public spaces	Commercial and industrial	Reference		
	Ecological Investigation Levels (EILs)						
leavy Metals							
Arsenic	Fresh	20	50	80	NEPM 2013 - Table 1(B) 1-5 EILs		
	Ag ed	40	100	160	NEPM 2013 - Table 1(B) 1-5 EILs		
Chromium (III)	Fresh Aged	Site Speci	fic Calculation Requi	ired	NEPM 2013 - Table 1(B) 1-5 EILs NEPM 2013 - Table 1(B) 1-5 EILs		
Copper	Fresh Aged	Site Speci	fic Calculation Requi	ired	NEPM 2013 - Table 1(B) 1-5 EILs NEPM 2013 - Table 1(B) 1-5 EILs		
Lead	Fresh	110	270	440	NEPM 2013 - Table 1(B) 1-5 EILs		
	Aged	470	1100	1800	NEPM 2013 - Table 1(B) 1-5 EILs		
Nickel	Fresh	0 0			NEPM 2013 - Table 1(B) 1-5 EILs		
	Aged	Site Speci	fic Calculation Requi	ired	NEPM 2013 - Table 1(B) 1-5 EILs		
Zinc	Fresh	0:4- 0	G- O-LI D	d	NEPM 2013 - Table 1(B) 1-5 EILs		
	Aged	Site Speci	fic Calculation Requi	irea	NEPM 2013 - Table 1(B) 1-5 EILs		
Polycyclic Aromatic Hyd	rocarbons (P	AHs)					
Naphthalene	Fresh	10	170	370	NEPM 2013 - Table 1(B) 1-5 EILs		
	Ag ed	10	170	370	NEPM 2013 - Table 1(B) 1-5 EILs		
Organochlorine Pesticid	es						
DDT	Fresh	3	180	640	NEPM 2013 - Table 1(B) 1-5 ElLs		
	Aged	3	180	640	NEPM 2013 - Table 1(B) 1-5 EILs		
		logical Screening Leve	els (ESLs) and Mar	agement Limits			
F1 (C ₆ -C ₁₀)	Coarse				NEPM 2013 - Table 1(B) 6-7 ElLs		
	Fine	125*	180*	215*	NEPM 2013 - Table 1(B) 6-7 ElLs		
F1 (C ₆ -C ₁₀)	Coarse		700	700	NEPM 2013 - Table 1(B) 6-7 EILs		
(Management Limits)	Fine	-	800	800	NEPM 2013 - Table 1(B) 6-7 EILs		
F2 (>C ₁₀ -C ₁₆)	Coarse				NEPM 2013 - Table 1(B) 6-7 EILs		
	Fine	25*	120*	170*	NEPM 2013 - Table 1(B) 6-7 EILs		
F2 (>C ₁₀ -C ₁₆)	Coarse		1000	1000	NEPM 2013 - Table 1(B) 6-7 ElLs		
(Management Limits)	Fine	-	1000	1000	NEPM 2013 - Table 1(B) 6-7 ElLs		
F3 (>C ₁₆ -C ₃₄)	Coarse	_	300	1700	NEPM 2013 - Table 1(B) 6-7 ElLs		
- (- 10 - 34)	Fine		1300	2500	NEPM 2013 - Table 1(B) 6-7 ElLs		
F3 (>C ₁₆ -C ₃₄)	Coarse		2500	3500	NEPM 2013 - Table 1(B) 6-7 ElLs		
(Management Limits)	Fine	_	3500	5000	NEPM 2013 - Table 1(B) 6-7 ElLs		
F4 (>C ₃₄ -C ₄₀)	Coarse	_	2800	3300	NEPM 2013 - Table 1(B) 6-7 ElLs		
1 4 (2034-040)	Fine	-	5600	6600	NEPM 2013 - Table 1(B) 6-7 ElLs		
F4/50 0)		-			` '		
F4 (>C ₃₄ -C ₄₀)	Coarse		10000	10000	NEPM 2013 - Table 1(B) 6-7 ElLs		
(Management Limits)	Fine	-	10000	10000	NEPM 2013 - Table 1(B) 6-7 EILs		
Benzene	Coarse Fine	10 10	50 65	75 95	NEPM 2013 - Table 1(B) 6-7 EILs NEPM 2013 - Table 1(B) 6-7 EILs		
Taluana		10			` '		
Toluene	Coarse Fine	65	85 105	135 135	NEPM 2013 - Table 1(B) 6-7 EILs NEPM 2013 - Table 1(B) 6-7 EILs		
Ethylhonzono	Coarse	1.5	70	165	NEPM 2013 - Table 1(B) 6-7 EILS		
Ethylbenzene	Fine	40	125	185	NEPM 2013 - Table 1(B) 6-7 EILS NEPM 2013 - Table 1(B) 6-7 EILS		
Xylenes	Coarse	10	105	180	NEPM 2013 - Table 1(B) 6-7 ElLs		
ryidildə	Fine	1.6	45	95	NEPM 2013 - Table 1(B) 6-7 EILS NEPM 2013 - Table 1(B) 6-7 EILS		
Benzo(a)pyrene	Coarse	0.7	0.7	0.7	NEPM 2013 - Table 1(B) 6-7 ElLs		
Dougo(a) Pyrone	Fine	0.7	0.7	0.7	NEPM 2013 - Table 1(B) 6-7 EILS NEPM 2013 - Table 1(B) 6-7 EILS		
Notes	1 1110	0.7	0.7	U. I	14L1 W 2013 - Table 1(D) 0-7 EILS		

Notes

- Urban residential/public open space is broadly equivalent to the HIL-A, HIL-B and HIL-C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7.
- 2 Aged values are applicable to arsenic contamination present in soil for at least two years. For fresh contamination refer to Schedule BSc.
- 3 Insufficient data was available to calculate aged values for DDT and naphthalene, consequently the values for fresh contamination should be used.
- 4 Insufficient data was available to calculate ACLs for As, DDT and naphthalene. The EIL should be taken directly from Table 1B(5).
- ${\small 5} \\ {\small ESLs\ are\ of\ low\ reliability\ except\ where\ indicated\ by\ *\ which\ indicates\ that\ the\ ESL\ is\ of\ moderate\ reliability.} \\$
- '-' indicates that insufficient data was available to derive a value.
- To obtain F1, subtract the sum of BTEX concentrations from C6-C10 fraction and subtract naphth alene from >C10-C16 to obtain F2.
- 8 Management limits are applied after consideration of relevant ESLs and HSLs
- 9 Separate management limits for BTEX and nap hth alene are not available hence these should not be subtracted from the relevant fractions to obtain F1 and F2.

12.2 Asbestos

Table 13: Health Screening Levels for Asbestos

	Health Screening Levels (w/w)					
Form of Asbestos	Residential A	Residential B	Recreational C	Commercial/Industrial D		
Bonded ACM	0.01%	0.04%	0.02%	0.05%		
FA and AF (Friable Asbestos)	0.001%					
All forms of asbestos		No visible	asbestos for surfa	ace soil		

Page 50 of 74

13.0 SOIL RESULTS

The laboratory certificates are presented in **Appendix L** – NATA Accredited Laboratory Certificates.

A summary of the results together with the assessment criteria adopted are provided in **Appendix M** – Summary Tables.

13.1 HEAVY METALS

13.2 Heath Investigation Levels

As indicated in Table M1, all heavy metals were below the respective LOR and/or the Health Investigation Level (HIL) for a residential development, that being the HIL 'B'.

13.3 Ecological Investigation Levels

No EILs have been specifically derived for the site.

13.4 TRH, BTEX, NAPHTHALENE &/OR BENZO (A) PYRENE

13.5 Heath Screening Levels

As indicated in Table M1, the F1 (C_6 - C_{10}), F2 ($>C_{10}$ - C_{16}), benzene, toluene, ethyl benzene,

xylenes and naphthalene concentrations were below the HSL 'A' & HSL 'B' for a Sand soil

profile with a source depth of "0m to <1m".

As shown in Table M1, the F1 (C_6 - C_{10}), F2 ($>C_{10}$ - C_{16}), F3 (C_{16} - C_{34}), F4 (C_{34} - C_{40}),

concentrations were below the Management Limits for a coarse grained soil texture in a

"residential parkland and public open space" environment.

13.6 Ecological Screening Levels

As indicated in Table M1, the F1 (C_6 - C_{10}), F2 ($>C_{10}$ - C_{16}), F3 (C_{16} - C_{34}), F4 (C_{34} - C_{40}), benzene,

toluene, ethyl benzene, xylenes and benzo(a)pyrene concentrations were below the ESL

for a fine grained soil texture in an "urban residential and public open space"

environment.

13.7 PAH, OCP & PCB

13.8 Heath Investigation Levels

As indicated in Table M1, the concentrations of the benzo(a)pyrene (as TEQ), Total PAH,

OCP & PCB were below the Health Investigation Level (HIL) for a residential

development, that being the HIL 'B'.

13.9 EILs & ESLs

As indicated in Table M1, the concentrations of arsenic, naphthalene and DDT were below the EILs & ESLs for urban residential and public open space.

13.10 Asbestos

As indicated in Table M1 the laboratory analysis revealed the soil sample collected was below the %w/w asbestos for FA & AF adjusted assessment criteria & below the %w/w asbestos ACM – Residential use, childcare centres, preschools etc.

14.0 DISCUSSION

14.1 SOILS

The preliminary soil assessment revealed the following:

The laboratory results for all soil samples were below the adopted detection

limits and/or the relevant guideline criteria.

• No asbestos was detected in the soil sample analysed.

The following areas identified in the CSM as a potential concern are addressed as

follows:

Historical uses;

• Areas of potential filling (underground services, beneath buildings and driveway

areas);

• Carpark areas / driveways where leaks and spills from cars may have occurred;

and

Degrading building features.

Based on the investigation including the previous site history, underground services

plans, preliminary soil investigation results & site inspection; the potential for significant

soil and/or groundwater impact is considered low.

Off-site impacts of contaminants in soil are generally governed by the transport media

available and likely receptor(s). The most common transport medium is water, whilst

receptors include uncontaminated soils, groundwater, surface water bodies, humans,

flora & fauna.

Page 55 of 74

Migration of soil contaminants to the deeper soils or groundwater regime would

generally be via leaching of contaminants from the surface soil or fill, facilitated by the

infiltration of surface water.

14.2 GROUNDWATER QUALITY

The potential risks to groundwater were considered to be low based on the following

rationale:

The preliminary soil results indicated the groundwater is unlikely to be impacted

by the fill material presence on site.

14.3 Data Gap

The following data gaps were identified:

• The Council Records have been searched, but not been received and/reviewed as

part of this investigation.

The depth of the fill material has not been delineated in the preliminary

sampling.

14.4 DUTY TO REPORT

Under Section 60 of the Contaminated Land Management Act 1997, the owner of the

land is required to notify contamination in circumstances as indicated in the NSW EPA

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 56 of 74

(2015) Guidelines on Duty to Report Contamination under the Contaminated Land

Management Act 1997.

Sites that are significantly impacted by soil, groundwater and ground gases are likely to

require notification to the NSW EPA under section 60 of the CLM Act. A decision process

for use by site owners or responsible persons considering reporting contamination

under section 60 is provided in Appendix 1 (Figure 1) of the aforementioned guidelines.

15.0 CONCLUSION AND RECOMMENDATION

Based on the results of this investigation it is considered that the risks to human health

and the environment associated with soil and groundwater contamination at the site

are low in the context of the proposed use of the site. The site is suitable for the

proposed development, subject to the following recommendations:

• Any soil requiring removal from the site, as part of future site works,

should be classified in accordance with the "Waste Classification

Guidelines, Part 1: Classifying Waste" NSW EPA (2014).

• An Asbestos Clearance Certificate is recommended to be completed once

all existing buildings are structures have been demolished.

If during any potential site works any significant unexpected occurrence is identified,

site works should cease in that area, at least temporarily, and the environmental

consultant should be notified immediately to set up a response to this unexpected

occurrence.

Thank you for the opportunity of undertaking this work. We would be pleased to

provide further information on any aspects of this report.

July 2018

Preliminary Site Investigation, Ref: E1857 Penrith

Site: 1 Station Lane, Penrith NSW

Page 58 of 74

16.0 LIMITATIONS

To the best of our knowledge information contained in this report is accurate at the

date of issue, however, subsurface conditions, including groundwater levels and

contaminant concentrations, can change in a limited time. This should be borne in mind

if the report is used after a protracted delay.

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.

There is no investigation that is thorough enough to preclude the presence of material

that presently or in the future, may be considered hazardous at the site. Since

regulatory criteria are constantly changing, concentrations of contaminants presently

considered low may, in the future, fall under different regulatory standards that require

remediation.

Opinions expressed herein are judgements and are based on our understanding and

interpretation of current regulatory standards and should not be construed as legal

opinions.

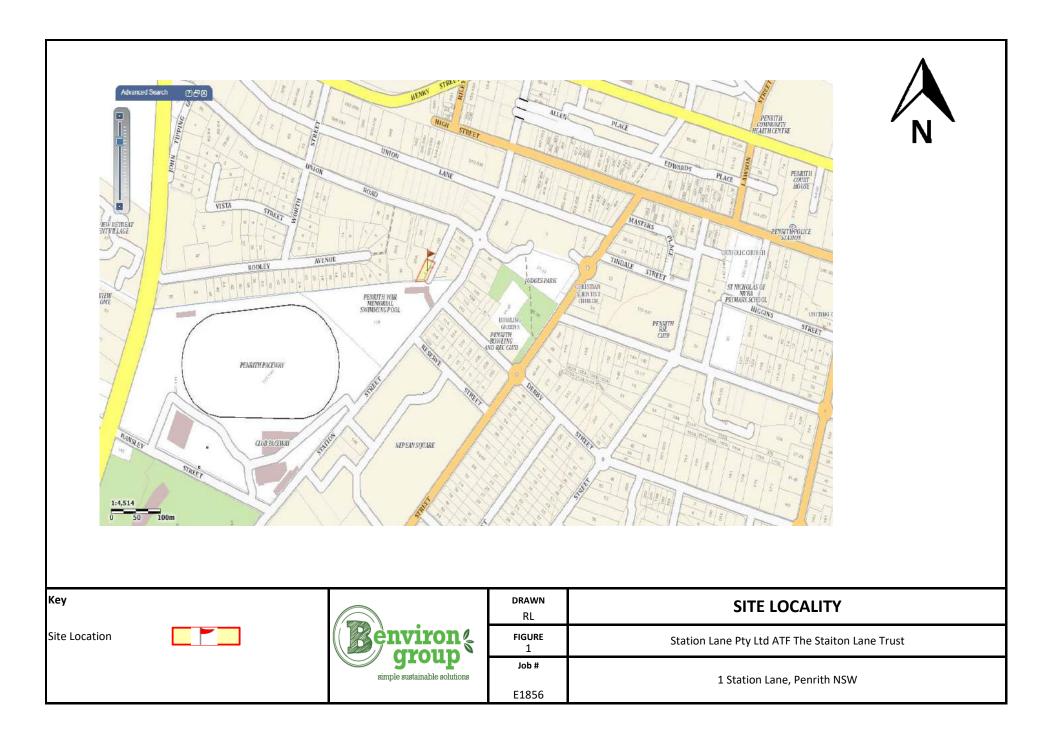
REFERENCES

- Australian and New Zealand Environment and Conservation Council (ANZECC) (1996)
 Drinking Water Guidelines.
- Australian and New Zealand Environment and Conservation Council (ANZECC) (2000)
 Guidelines for Fresh and Marine Waters.
- Department of Urban Affairs and Planning EPA (1998) "Managing Land
 Contamination Planning Guidelines SEPP 55 Remediation of Land".
- National Environmental Protection Council (NEPC) (1999) National Environmental
 Protection (Assessment of Site Contamination) Measure. Amendment 2013
- NSW EPA (2014) "Technical Note: Investigation of Service Station Sites".
- NSW EPA (2009) "Guidelines on Significant Risk of Harm from contaminated land and the duty to report".
- NSW OEH "Guidelines for Consultants Reporting on Contaminated Sites" (2011).
 NSW Environment Protection Authority, Sydney.
- 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 EPA (2014) "Waste Classification Guidelines, Part 1: Classifying Waste";
- NSW EPA "Guidelines for Consultants Reporting on Contaminated Sites" (2011).
 NSW Environment Protection Authority, Sydney.
- NSW EPA (2014) "Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997";
- NSW EPA "Sampling Design Guidelines" (1995). NSW Environment Protection Authority, Sydney

Page 60 of 74

FIGURE 1: SITE LOCALITY

© Benviron Group



Page 61 of 74

FIGURE 2: SITE FEATURES & BOREHOLE LOCATIONS PLAN

© Benviron Group



Feature No	Details
а	Residential House (Brick)
b	Concrete Slab
С	Grass(Unpaved)
d	Residential Building
e	Community Hall
f	Drainage Line

Soil Exceedance (mg/kg)



Source: PS Surveyors 03.08.2017

Site Location

Key

Soil BH



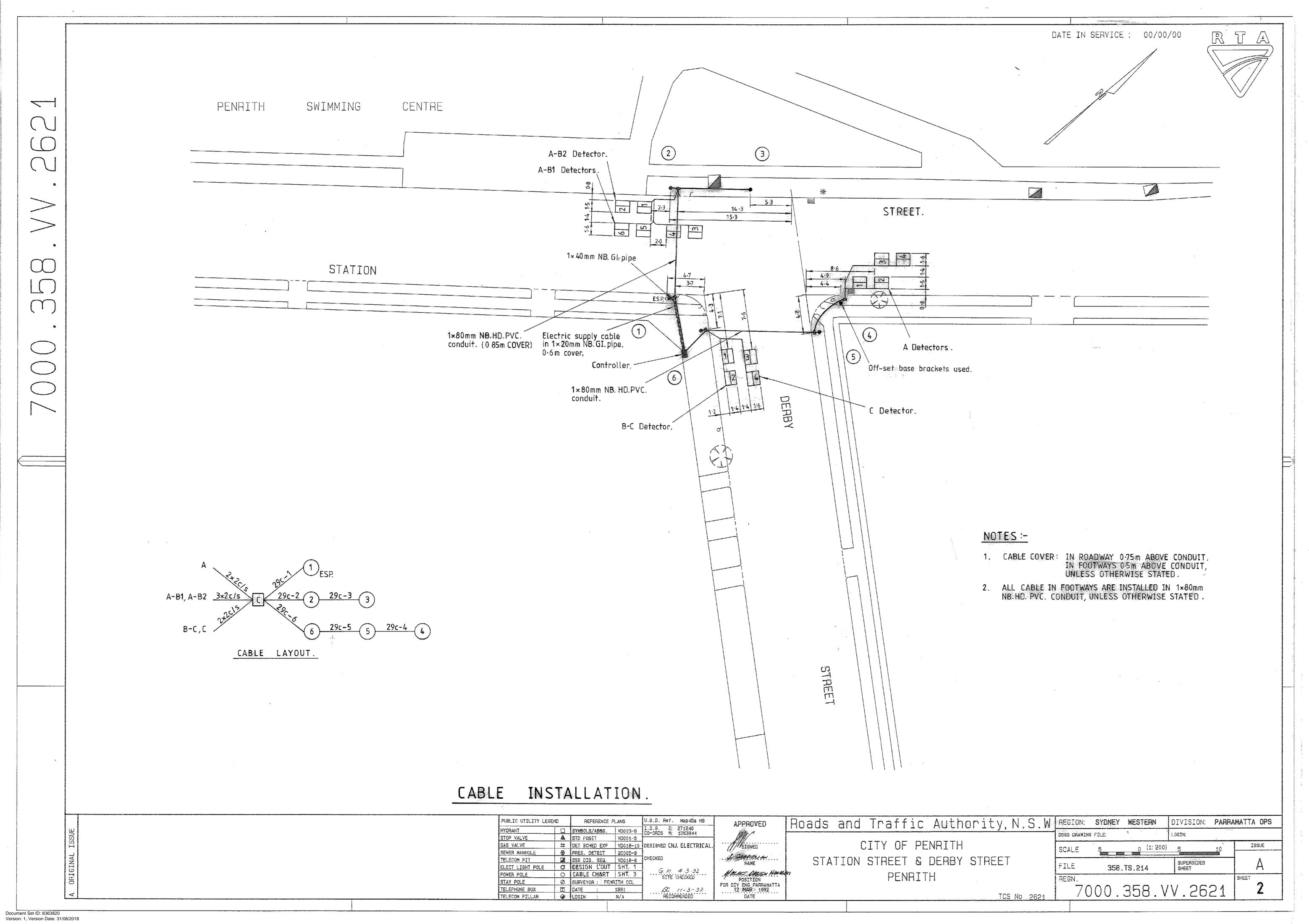


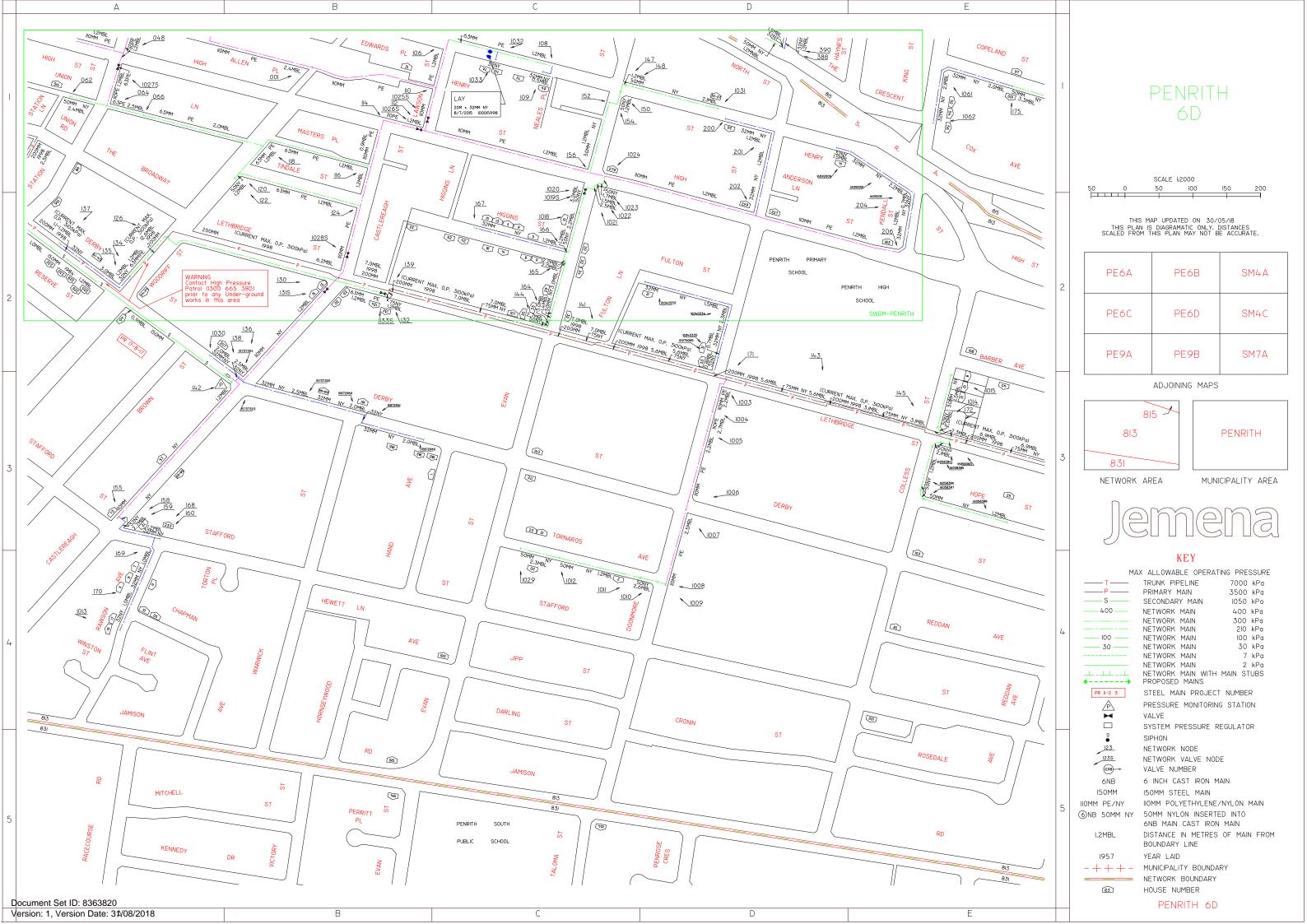
drawn RL	Site Features & Borehole Location Plan
Figure 2	Station Lane Pty Ltd ATF The Staiton Lane Trust
Job# E1856	1 Station Lane, Penrith NSW

Page 62 of 74

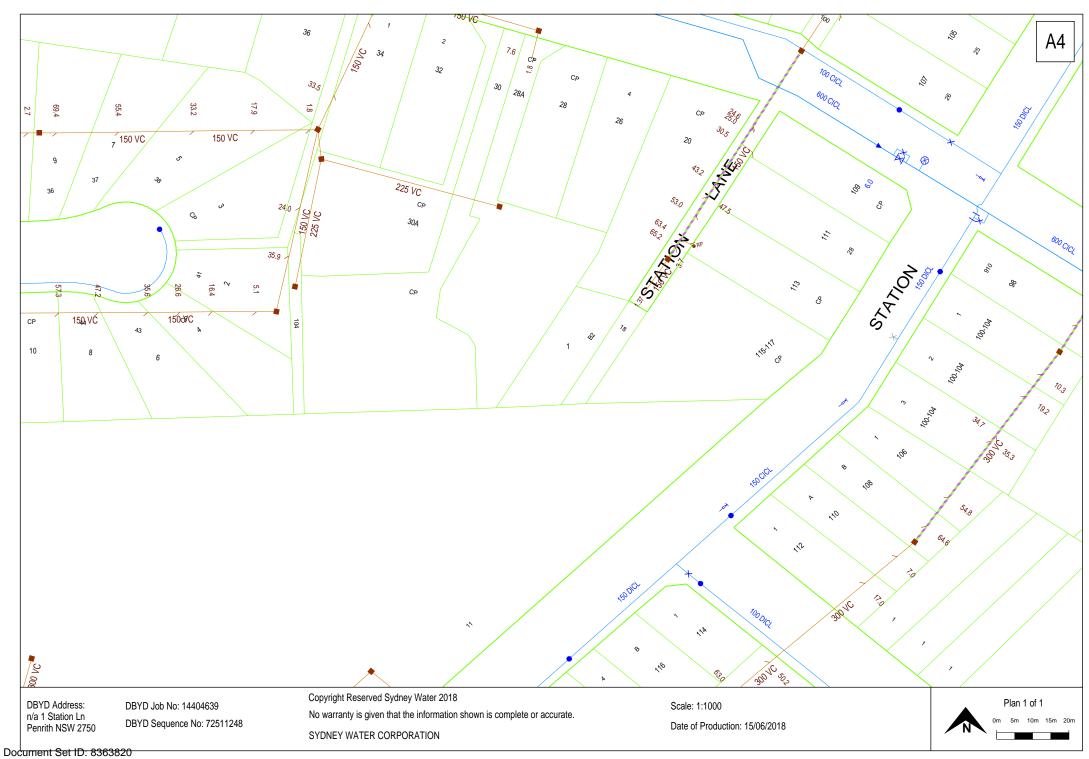
APPENDIX A: DBYD PLANS

© Benviron Group

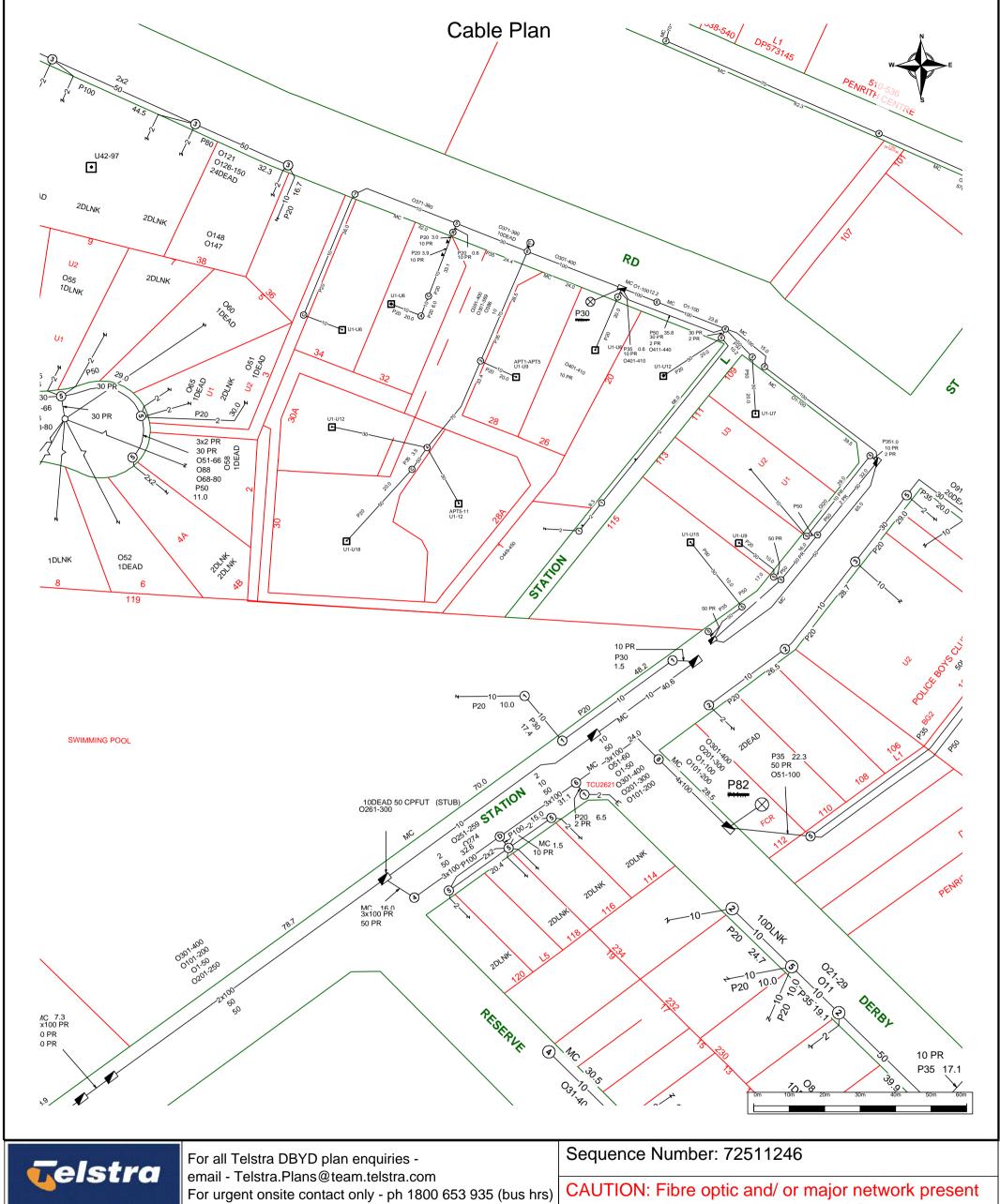








Version: 1, Version Date: 31/08/2018



TELSTRA CORPORATION LIMITED A.C.N. 051 775 556

Generated On 15/06/2018 15:09:16

CAUTION: Fibre optic and/ or major network present in plot area. Please read the Duty of Care and contact Telstra Plan Services should you require any assistance.

The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

WARNING - Due to the nature of Telstra underground plant and the age of some cables and records, it is impossible to ascertain the precise location of all Telstra plant from Telstra's plans. The accuracy and/or completeness of the information supplied can not be guaranteed as property boundaries, depths and other natural landscape features may change over time, and accordingly the plans are indicative only. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans.

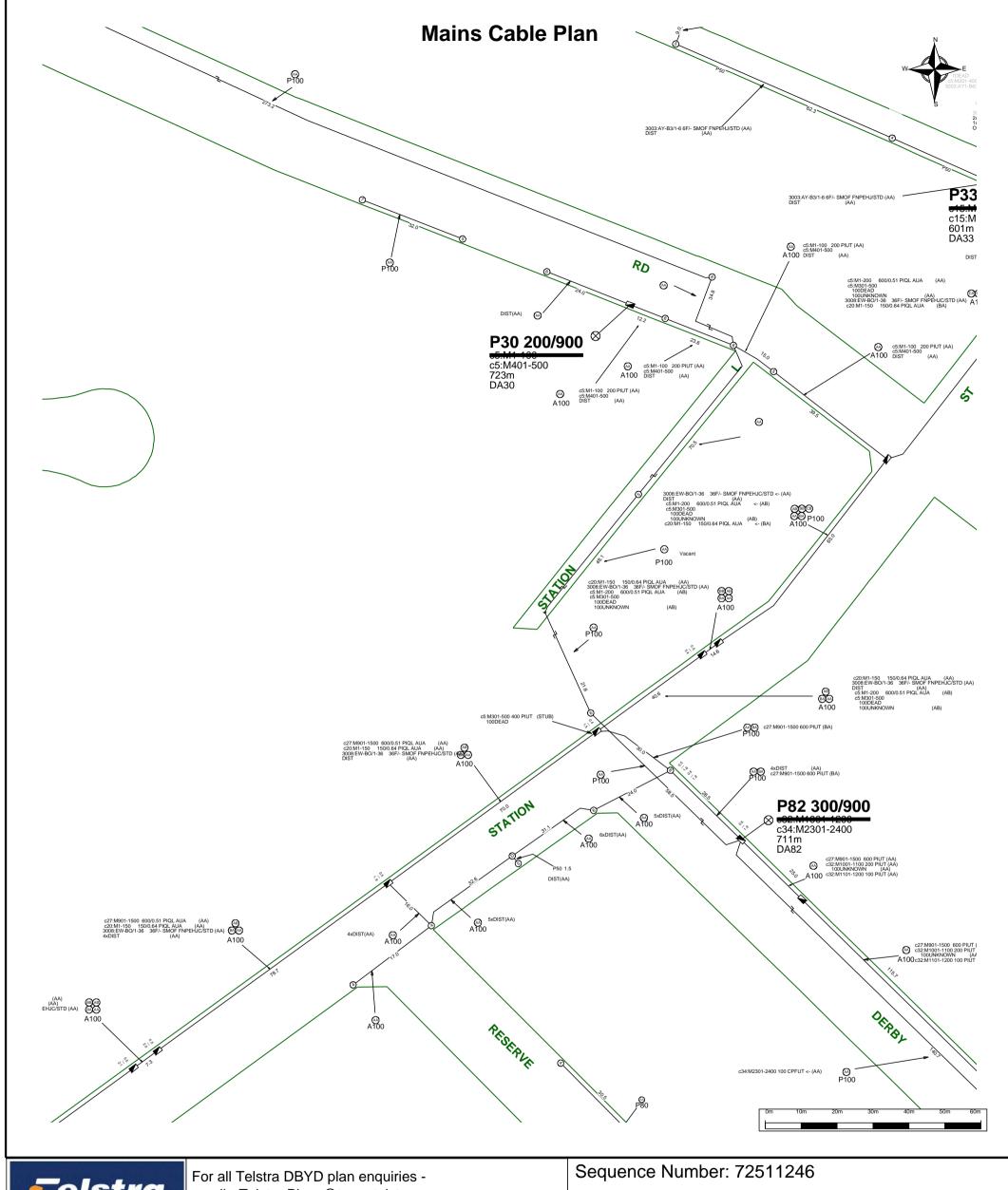
It is your responsibility to locate Telstra's underground plant by careful hand pot-holing prior to any excavation in the vicinity and to exercise due care during that excavation.

Please read and understand the information supplied in the duty of care statement attached with the Telstra plans. TELSTRA WILL SEEK COMPENSATION FOR LOSS CAUSED BY DAMAGE TO ITS PLANT.

Telstra plans and information supplied are valid for 60 days from the date of issue. If this timeframe has elapsed, please reapply for plans.

Document Set ID: 8363820

Version: 1, Version Date: 31/08/2018 Page 1 of 2



Telstra

email - Telstra.Plans@team.telstra.com For urgent onsite contact only - ph 1800 653 935 (bus hrs)

TELSTRA CORPORATION LIMITED A.C.N. 051 775 556

Generated On 15/06/2018 15:09:18

CAUTION: Fibre optic and/ or major network present in plot area. Please read the Duty of Care and contact Telstra Plan Services should you require any assistance.

WARNING - Due to the nature of Telstra underground plant and the age of some cables and records, it is impossible to ascertain the precise location of all Telstra plant from Telstra's plans. The accuracy and/or completeness of the information supplied can not be guaranteed as property boundaries, depths and other natural landscape features may change over time, and accordingly the plans are indicative only. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans.

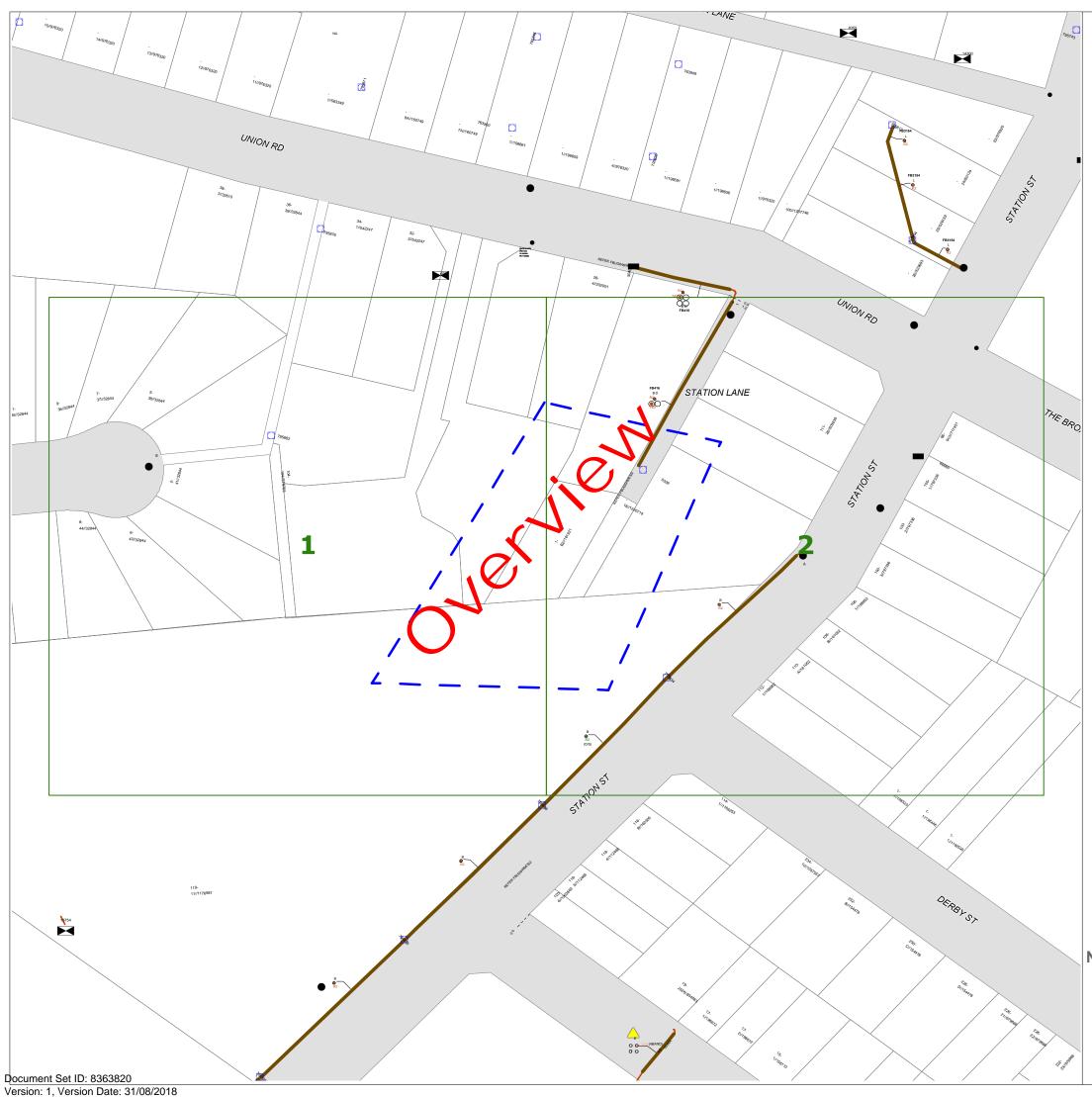
It is your responsibility to locate Telstra's underground plant by careful hand pot-holing prior to any excavation in the vicinity and to exercise due care during that excavation.

Please read and understand the information supplied in the duty of care statement attached with the Telstra plans. TELSTRA WILL SEEK COMPENSATION FOR LOSS CAUSED BY DAMAGE TO ITS PLANT.

Telstra plans and information supplied are valid for 60 days from the date of issue. If this timeframe has elapsed, please reapply for plans.

Document Set ID: 8363820

Version: 1, Version Date: 31/08/2018 Page 2 of 2





WARNING

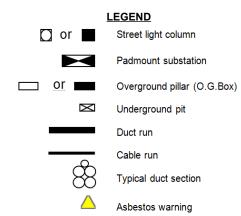
- All electrical apparatus shall be regarded as live until proved de-energised.
 Contact with live electrical apparatus will cause severe injury or death.
- In accordance with the Electricity Supply Act 1995, you are obliged to report any damage to Endeavour Energy Assets immediately by calling 131 003.
- The customer must obtain a new set of plans from Endeavour Energy if work has not been started or completed within twenty (20) working days of the original plan issue date
- The customer must contact Endeavour Energy if any of the plans provided have blank pages, as some underground asset information may be incomplete.
- Endeavour Energy underground earth grids may exist and their location may not
 be shown on plans. Persons excavating are expected to exercise all due care,
 especially in the vicinity of padmount substations, pole mounted substations, pole
 mounted switches, transmission poles and towers.
- Endeavour Energy plans **do not** show any underground customer service mains or information relating to service mains within private property.
- Asbestos or asbestos-containing material may be present on or near Endeavour Energy's underground assets.
- Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches.
- All plans must be printed and made available at the worksite where excavation is to be undertaken. Plans must be reviewed and understood by the crew on site prior to commencing excavation.

INFORMATION PROVIDED BY ENDEAVOUR ENERGY

- Any plans provided pursuant to this service are intended to show the approximate location of underground assets relative to road boundaries, property fences and other structures at the time of installation.
- Depth of underground assets may vary significantly from information provided on plans as a result of changes to road, footpath or surface levels subsequent to installation.
- Such plans have been prepared solely for use by Endeavour Energy staff for design, construction and maintenance purposes.
- All enquiry details and results are kept in a register.

DISCLAIMER

Whilst Endeavour Energy has taken all reasonable steps to ensure that the information contained in the plans is as accurate as possible it will accept no liability for inaccuracies in the information shown on such plans.

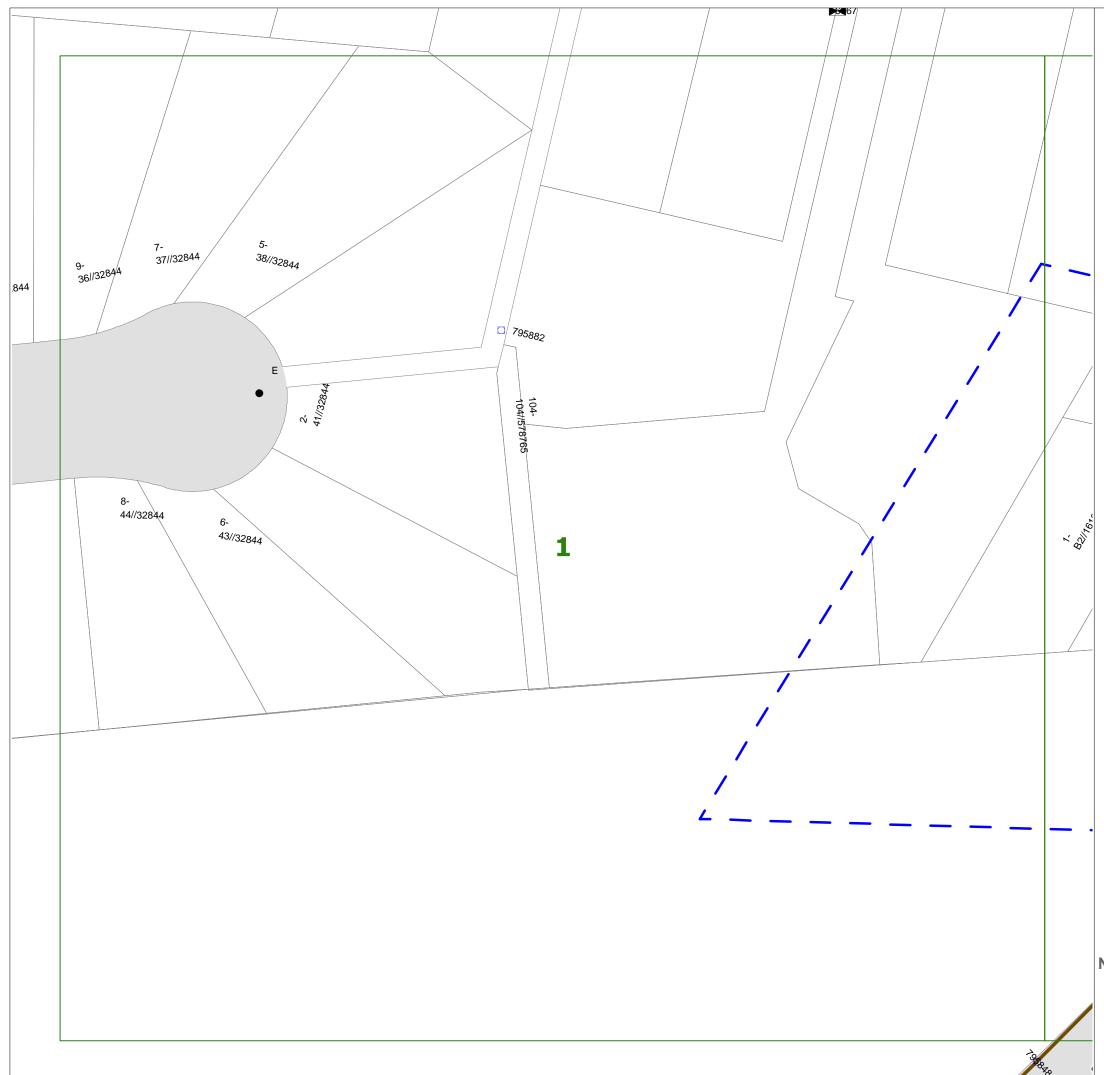




NOT TO SCALE

DBYD Sequence No.:	72511245
Issued Date:	15/06/2018

Cadastre: © Land and Property Information 2015, 2016





WARNING

- All electrical apparatus shall be regarded as live until proved de-energised.
 Contact with live electrical apparatus will cause severe injury or death.
- In accordance with the *Electricity Supply Act 1995*, you are obliged to report any damage to Endeavour Energy Assets immediately by calling **131 003**.
- The customer must obtain a new set of plans from Endeavour Energy if work has not been started or completed within twenty (20) working days of the original plan issue date
- The customer must contact Endeavour Energy if any of the plans provided have blank pages, as some underground asset information may be incomplete.
- Endeavour Energy underground earth grids may exist and their location may not
 be shown on plans. Persons excavating are expected to exercise all due care,
 especially in the vicinity of padmount substations, pole mounted substations, pole
 mounted switches, transmission poles and towers.
- Endeavour Energy plans do not show any underground customer service mains or information relating to service mains within private property.
- Asbestos or asbestos-containing material may be present on or near Endeavour Energy's underground assets.
- Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches.
- All plans must be printed and made available at the worksite where excavation is to be undertaken. Plans must be reviewed and understood by the crew on site prior to commencing excavation.

INFORMATION PROVIDED BY ENDEAVOUR ENERGY

- Any plans provided pursuant to this service are intended to show the approximate location of underground assets relative to road boundaries, property fences and other structures at the time of installation.
- Depth of underground assets may vary significantly from information provided on plans as a result of changes to road, footpath or surface levels subsequent to installation
- Such plans have been prepared solely for use by Endeavour Energy staff for design, construction and maintenance purposes.
- All enquiry details and results are kept in a register.

DISCLAIMER

Whilst Endeavour Energy has taken all reasonable steps to ensure that the information contained in the plans is as accurate as possible it will accept no liability for inaccuracies in the information shown on such plans.

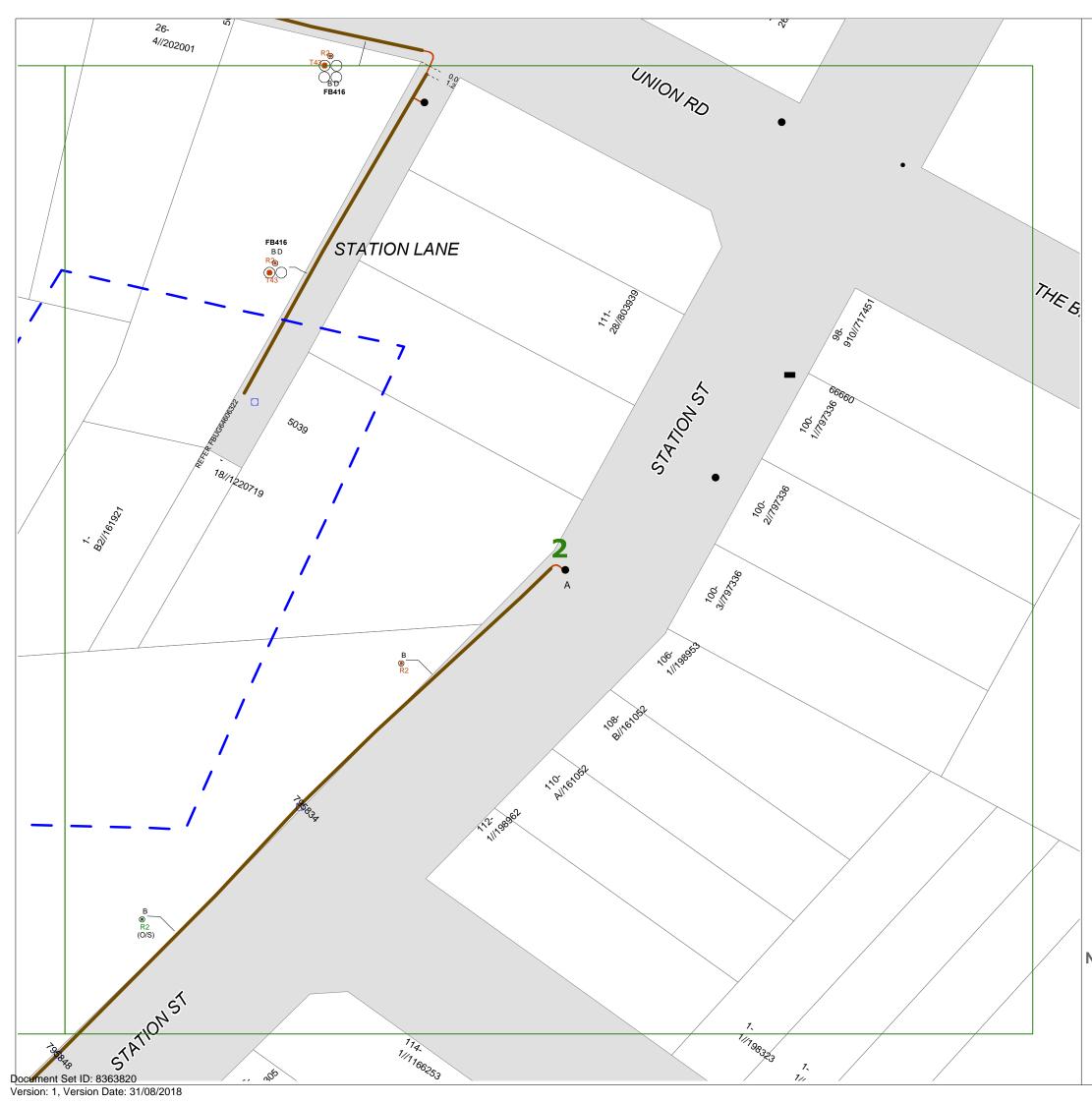
Street light column Padmount substation Or Overground pillar (O.G.Box) Underground pit Duct run Cable run Typical duct section Asbestos warning



NOT TO SCALE

DBYD Sequence No.:	72511245
Issued Date:	15/06/2018

Cadastre: © Land and Property Information 2015, 2016





WARNING

- All electrical apparatus shall be regarded as live until proved de-energised. Contact with live electrical apparatus will cause severe injury or death.
- In accordance with the *Electricity Supply Act 1995*, you are obliged to report any damage to Endeavour Energy Assets immediately by calling **131 003**.
- The customer must obtain a new set of plans from Endeavour Energy if work has not been started or completed within twenty (20) working days of the original plan issue date
- The customer must contact Endeavour Energy if any of the plans provided have blank pages, as some underground asset information may be incomplete.
- Endeavour Energy underground earth grids may exist and their location may not
 be shown on plans. Persons excavating are expected to exercise all due care,
 especially in the vicinity of padmount substations, pole mounted substations, pole
 mounted switches, transmission poles and towers.
- Endeavour Energy plans do not show any underground customer service mains or information relating to service mains within private property.
- Asbestos or asbestos-containing material may be present on or near Endeavour Energy's underground assets.
- Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches
- All plans must be printed and made available at the worksite where excavation is to be undertaken. Plans must be reviewed and understood by the crew on site prior to commencing excavation.

INFORMATION PROVIDED BY ENDEAVOUR ENERGY

- Any plans provided pursuant to this service are intended to show the approximate location of underground assets relative to road boundaries, property fences and other structures at the time of installation.
- Depth of underground assets may vary significantly from information provided on plans as a result of changes to road, footpath or surface levels subsequent to installation
- Such plans have been prepared solely for use by Endeavour Energy staff for design, construction and maintenance purposes.
- All enquiry details and results are kept in a register.

DISCLAIMER

Whilst Endeavour Energy has taken all reasonable steps to ensure that the information contained in the plans is as accurate as possible it will accept no liability for inaccuracies in the information shown on such plans.

Street light column Padmount substation Overground pillar (O.G.Box) Underground pit Duct run Cable run Typical duct section Asbestos warning



NOT TO SCALE

DBYD Sequence No.:	72511245
Issued Date:	15/06/2018

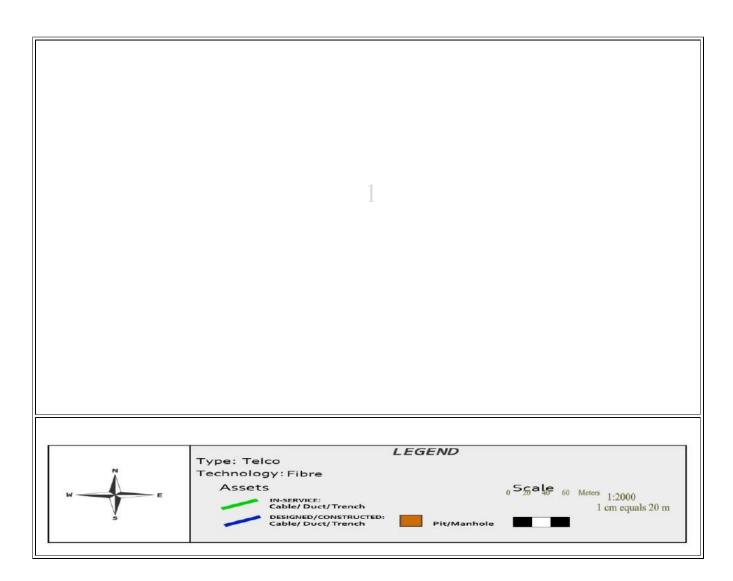
Cadastre: © Land and Property Information 2015, 2016

1263 438 N Document Set ID: 8363820 Version: 1, Version Date: 31/08/2018 SCANNED



Indicative Plans

Issue Date:	15/06/2018	DIAL BEFORE
Location:	1 Station Ln,Penrith,NSW-2750	YOU DIG www.1100.com.au







Emergency Contacts

You must immediately report any damage to **nbn**[™] network that you are/become aware of. Notification may be by telephone - 1800 626 329.

Version: 1, Version Date: 31/08/2018

APPENDIX B: HISTORICAL AERIAL PHOTOGRAPHS

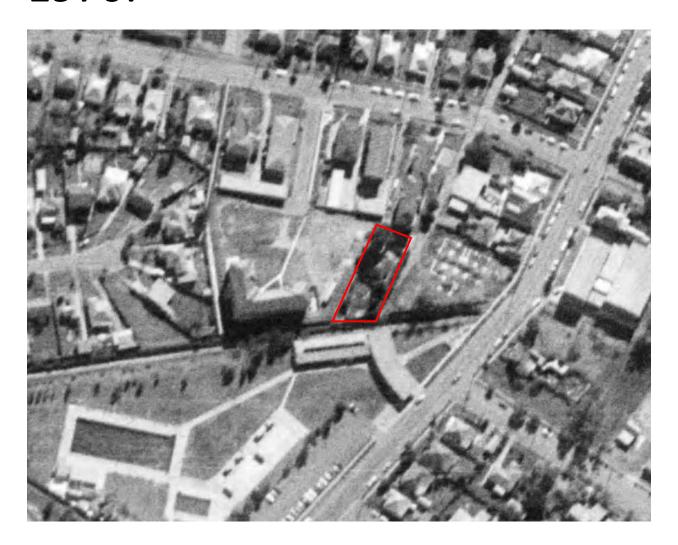
© Benviron Group

Historical Aerial Photographs

1 Station Lane,
Penrith NSW



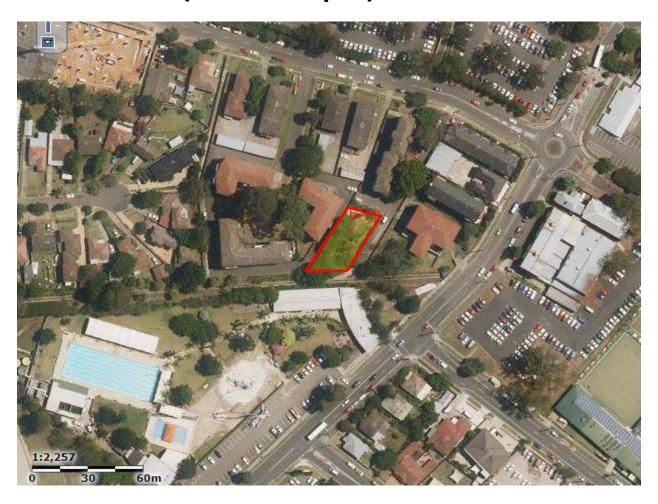








Current (Six Maps)



Page 64 of 74

APPENDIX C: LAND TITLE INFORMATION

© Benviron Group





Title Search

15/06/2018 04:14 PM

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH	
FOLIO: B2/161921	
SEARCH DATE TIME EDITION NO DATE	
15/6/2018 4:14 PM 3 8/1/2018	
LAND	
LOT B2 IN DEPOSITED PLAN 161921 AT PENRITH LOCAL GOVERNMENT AREA PENRITH PARISH OF MULGOA COUNTY OF CUMBERLAND TITLE DIAGRAM DP161921 FIRST SCHEDULE	
REGINA LEIMANIS (CA85158)	
SECOND SCHEDULE (3 NOTIFICATIONS)	
1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S) 2 LIMITED TITLE. LIMITATION PURSUANT TO SECTION 28T(4) OF THE REAL PROPERTY ACT, 1900. THE BOUNDARIES OF THE LAND COMPRISED HEREIN HAVE NOT BEEN INVESTIGATED BY THE REGISTRAR GENERAL. 3 AN27784 MORTGAGE TO ASF CUSTODIANS PTY LTD	
NOTATIONS	
SEARCH DATE TIME EDITION NO DATE 15/6/2018 4:14 PM 3 8/1/2018 LAND LAND LOT B2 IN DEPOSITED PLAN 161921 AT PENRITH LOCAL GOVERNMENT AREA PENRITH PARISH OF MULGOA COUNTY OF CUMBERLAND TITLE DIAGRAM DP161921 FIRST SCHEDULE REGINA LEIMANIS (CA85158) SECOND SCHEDULE (3 NOTIFICATIONS) RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S) LIMITED TITLE. LIMITATION PURSUANT TO SECTION 28T(4) OF THE REAL PROPERTY ACT, 1900. THE BOUNDARIES OF THE LAND COMPRISED HEREIN HAVE NOT BEEN INVESTIGATED BY THE REGISTRAR GENERAL. 3 AN27784 MORTGAGE TO ASF CUSTODIANS PTY LTD	
*** END OF SEARCH ***	

Direct Info Pty Ltd - ABN 25 160 378 263 an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar-General in accordance with Section 96B (2) of the Real Property Act, 1900.





Historical Search

15/06/2018 04:14 PM

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH
SEARCH DATE

FOLIO: B2/161921

First Title(s): OLD SYSTEM Prior Title(s): BK 2391 NO 96

Recorded Number Type of Instrument C.T. Issue

28/2/2002 CA85158 CONVERSION ACTION FOLIO CREATED

15/6/2018 4:14PM

EDITION 1

14/9/2015 AJ811575 DEPARTMENTAL DEALING

6/9/2017 AM701364 CAVEAT

28/11/2017 AM921411 APPLICATION FOR REPLACEMENT EDITION 2 CERTIFICATE OF TITLE

8/1/2018 AN27783 WITHDRAWAL OF CAVEAT

8/1/2018 AN27784 MORTGAGE EDITION 3

*** END OF SEARCH ***

Direct Info Pty Ltd - ABN 25 160 378 263 an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar-General in accordance with Section 96B (2) of the Real Property Act, 1900.

Req:R777462 /Doc:DL AM921411 /Rev:29-Nov-2017 /Sts:SC.OK /Pgs:ALL /Prt:18-Jun-2018 16:34 /Seq:1 of 2 Ref:E1857 Penrith /Src:Q

12PV Form: Edition: 1307

APPLICATION FOR REPLACEMEN CERTIFICATE OF TIT



New South Wales s111 Real Property Act 1900

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that

	me register is me	ue avaliable to ally person	ioi zearcu abou	ı payment o	i a iee, ii an	ıy.			
(A)	For which a replacement is requested: insert the folio identifier (number) only B2 16 9 2						у		
(B)	LODGED BY	Document Collection Box (W) Reference (lress or DX. Tele	phone, and PIE ANE OH 11	PEN	RITH.	nber if any	CODE	
(C)	REGISTERED PROPRIETOR	Insert the names of all the	e registered prop		10/15				
(D)	APPLICANT	IRENA M	72:12-12-1			FOR I	REGINA LE	IMANIS	
(E)	The certificate of mislaid	itle referred to above has destroyed	been <i>[tick one]−</i> □ stolen	_	naged or de				
(F)	The applicant [tick the applicable item(s)]— is a private person who is a registered proprietor of the land in the certificate of title is a corporation which is a registered proprietor of the land in the certificate of title is a lending institution having a registered lirst mortgage over the land in the certificate of title had custody of the certificate of title at the time it was mislaid, destroyed, etc., and is— o a lending institution not having a registered first mortgage over the land in the certificate of title a trustee institution o a legal practitioner o a licensed conveyancer.								
	[] [If other, spec	ify];	• •••••••••	***********			******************		
	The applicant here lodged with this a DATE 27/dd	by consents to the Registra optication and applies for the following the consensus of the c	r General contac replacement of t	ting the rele the certifica	vant issuin te of title r	g authorities eferred to ab	to validate any suppo ove.	orting evidence	
(G)	I certify that I am signed this dealing	an eligible witness and that in my presence. [See not	it the applicant e* below].				orrect for the purposet 1900 by the application		
	Signature of witness: Name of witness: Address of witness	(1) Just 200	re Cre	7 De	Ah	Signature o	Fapplicant:	mzce	
	Daytime telephone	number of witness: * 472160	200	76	w	1112_	IRENA MC AS ATTOR, REGINA BK.472	KENZIE MEN FOR LEIMAN	
	PLEASE NOTE: Fi	silure to comply with any	z relevant instru	uction cont	alned in			will lead to	

WARNING! SEVERE PENALTIES MAY BE IMPOSED FOR LODGING A FALSE APPLICATION.

* The witness may be contacted to verify the signing.

* s117 RP Act requires that you must have known the signatory-for more than 12 months or have signed identifying documentation. ALL HANDWRITING MUST BE IN BLOCK CAPITALS Page 1 of

Form 10-1220

Statutory Declaration

New South Wales, Oaths Act 1900, Eighth Schedule

1, [full name] IRENA MCKENZIE (POA REGINA LEIMANIS) of [residential address] 1 STATION LANE PENAITH NSW 2750, solemnly and sincerely declare that—
of [residential address] I STATION LANE PENRITH NSW 2750
solemnly and sincerely declare that —
1) I STATION LANE PENRITH NSW. CTREF. BO / 161921
2) PROPERTY PURCHASED 1955.
a) THOPERIX OF CHASELS 1730
2) HAVE BEEN UNABLE TO FIND
2) HAVE DEEN UNIONE TO CIVID.
4) REGINA DNLY PERSON IN POSSESSION DE LAND
5) CERTIFICATE NOT HELD BY ANY DEVA PEOCO 1 00
5) CERTIFICATE NOT HELD BY ANY DIWER PERSON OR CORPORATION FOR LOAN OR ANY DIWER PURPOSE WHITISOFNER
6) REGINA HAS NEVER BEEN BANKRUPT OR INSOLVENT OR
ASSIGNED ESTATE FOR BENEFIT OF CREDITORS.
7) RATES NOTICE IS TRUE AND CURRENT OF THIS
PROPERTY
and I make this solemn declaration conscientiously believing the same to be true and by virtue of the Oaths Act 1900.
Made and subscribed at [place] in [State or Territory] on [date] of [residential address] Other Peace (LP, Number 207(1)) Practising Solicitor
in [State or Territory] OSO on [date] 27 [11]
in the presence of full name] 2021e Mercy
of [residential address] 333 Migh St 1612
Valuatice of the Peace (J.P. Number 2071) Practising Solicitor
Other qualified witness [specify]
who certifies the following matters concerning the making of this statutory declaration by the person who made it:
1. I saw the face of the person OR* I did not see the face of the person because the person was wearing a face
covering, but I am satisfied that the person had a special justification for not removing the covering; and
2. I have known the person for at least 12 months OR* I have confirmed the person's identity using an
identification document and the document I relied on was a Dwing Local Comit ID No.]
Signature of witness: Signature of deckarant: Millian Co
* Cross out the words which do not apply.

www.lpi.nsw.gov.au

2/2

1309

Req:R772795 /Doc:BK 2391-096 NO /Rev:19-Jan-2016 /Sts:OK.OK /Prt:18-Jun-2018 11:07 /Seq:1 of 2 Ref:E1857 Penrith /Src:Q

No. 96

Her.

dus

Book 2391

Conveyance

Ad Valorum Duty Pard 23-15-0

N.S.W. Department of Stowy Duties 12-12-56
Duly Stamped 1/6

THISDEED made the

day of A ecember one

thousand nine hundred and fifty-six BETWEEN FRED JOHNSTON of Penrith in the State of New South Wales Schoolteacher (hereinafter called "the Vendor") of the one part AND IMANTS LEIMANIS of Penrith aforesaid Labourer, and REGINA PLATACIS of Penrith aforesaid Married Woman (hereinafter called "the Purchasers") of the other part WITNESSETH that in consideration of the sum of TWOHUNDRED AND SEVENTYFIVEPOUNDS (£275: 0: 0) paid by the Purchasers to the vendor (the receipt whereof is hereby acknowledged) the Vendor as beneficial owner doth hereby convey unto the Purchasers in fee simple as joint tenants ALL THAT piece or parcel of land being Lot B2 of a resubdivision of Lot B on Miscellaneous Plan of Subdivision Old System registered Number 3039 containing by admeasurement 26-1/4 perches situate at Penrith Municipality of Penrigh Parish of Mulgoa County of Cumberland and State of New South Wales COMMENCING at a point on the north western side of Station Lane bearing and distant successively 209 degrees 51 minutes for 149 feet 2 inches 210 degrees 53 minutes 40 seconds for 64 feet 5-3/4 inches from the intersection of the south western side of Union Road with the north western side of Station Lane bounded thence on the south east by the north west side of Station Lane being a fenced line bearing 210 degrees 53 minutes 40 seconds for 113 feet 5-3/4 inches bounded thence on the south by a fenced line bearing 266 degrees 58 minutes 15 seconds for 70 feet 0-1/2 inches to the south eastern corner of Lot A on Miscellaneous Plan of Subdivision Old System registered Number 3039 bounded thence on the north west by part of the south eastern boundary of Lot "A" afores aid being a fenced line bearing 31 degrees 08 minutes 00 seconds 134 feet 2-1/8 inches bounded thence on the north east by a line bearing 103 degrees 10 minutes 25 seconds 60 feet 5 inches to the north western side of Station Lane and the point of commencement be the said several dimensions all a little more of less AND the Vendor as covenantor covenants with the purchasers as Covenantees to produce to them the deeds and documents mentioned in the Schedule hereto IN WITNESS WHEREOF the Vendor hath hereunto subscribed his name and affixed his seal. _

THE SCHEDULE HEREINBEFORE REFERRED TO:

19th February, 1935

Conveyance L.H. Byrnes and mor to F. Johnston registered No. 65 Book 1711.

19th February, 1935

Mortgage F. Johnston to E. Brell registered No. 66 Book 1711 with discharge endorsed dated 18th July, 1936 and registered No. 167 Book

SIGNED SEALED AND DELIVERED by the said) FRED JOHNSTON in the presence of:

the

Due

Req:R772795 /Doc:BK 2391-096 NO /Rev:19-Jan-2016 /Sts:OK.OK /Prt:18-Jun-2018 11:07 /Seq:2 of 2 Ref:E1857 Penrith /Src:Q

HELEN WRIGHT Clerk to Messrs. A.S. Lamrock & Son, solicitors, 344 High Street, Penrith, being duly sworn makes oath and says as follows: "THE writing contained on the preceding page has been compared by me with the original conveyance and is a true copy thereof."

SWORN by the Deponent at Sydney this

twelk

day of December

A.D. 1956, Before me:

Helen Wright

DEPUTY REGISTRAR

E qualstra

RECEIVED into the office of the registration of deeds, etc., at Sydney this week day of December A.D. 1956 at One mimutes past three o'clock in the noon from the said Helen Wright.

DEPUTY REGISTRAR.

malsha

Page 65 of 74

APPENDIX D: NSW EPA RECORDS

© Benviron Group

Abo

Licensing and regulation

Working together

Your environment

Reporting and incidents

Contaminated land

Home Contaminated land Record of notices

Management of contaminated land

Consultants and site auditor scheme Inderground petroleum storage Systems

Suidelines under the CLM Act

VEPM amendment

Record of notices -urther guidance

About the record

Search the record

Search fips

Disclaimer

int of Alf'shi as

Search results

Suburb: PENRITH Your search for.

Matched 7 notices relating to 1 site. Search Again Refine Search

> 4 current and 3 former Crane Enfleid Metals PENRITH Castereagh ROAD

Page 1 of 1

18 June 2018

2507 SR Rubbioss Pg List 2709 130-123 Conferency Nov. PRINCETT, NOV. DOCO Bissee 6507 ACC OPERATIONS PTV. LTD. 2700 130-127 ANDREW NOV. PRINCETT, NOW. 251 Liberca Variation. 2700 130-127 ANDREW NOV. PRINCETT, NOW. 251 L						
2370 St-Schinzer Systal 1372 ANDREW ROAD, FEMRITH, NOW 2700 State of the State of St	Number	Name		Туре	Status	issued date
1907295 ACT OPERATIONS PTV, LTD. 190-172 ANDREW MOND, PENETTH, NOW 55 Liberts Variation 190-172 ANDREW MOND, PENETTH, NOW 190-172 ANDREW MOND, P	21071	SR Solutions Phy Ltd		POEO lipence	Pending	
1907/000 ACI OPERATIONS PTIL LTD.	22012	ST DOMENTO I CY EXC				
1,000000 ACI OPERATIONS PTV, LTD. 130-172 ANDREW MOAD, PENRITH, NOW 250 Learner Variation 1,000000 ACI OPERATIONS PTV, LTD. 120-172 ANDREW MOAD, PENRITH, NOW 250 Learner Variation 1,0000000 ACI OPERATIONS PTV, LTD. 120-172 ANDREW MOAD, PENRITH, NOW 250 Learner Variation 1,00000000000000000000000000000000000	6357	ACI OPERATIONS PTV. LTD.		POEO licence	beuzzi	7-Jun-00
39-127 ANDREW MOAD, PRINTTH, NOW 33 Licence Variation 100-127 100-12	1007000	ACLODERATIONS DTV 1TO	1	s 58 Licence Variation	Jeen med	5-feil-02
1092555 ACT OPERATIONS FIT. LTD.	100/008	ACI OPERATIONS PTF. ETG.		X De Decaret Variation	130.60	2 101 02
1079251 ACT OPERATIONS FTY, LID.	1020003	ACI OPERATIONS PTV. LTD.	2750	s.58 Licence Variation	Issued	9-Sep-02
1095783AG OPPRATIONS FTY, LTD.	4070740	A CHARLES ON THE	1	e ER Heemen Modelation	Issued	20-449-07
1009729 ACI OPERATIONS FTY, LTD.	10/2516	ACI OPERATIONS PTY. LTO.		2.36 Desires Astillation	INSUEU	20%(08-07
1109805 ACI OPERATIONS PTY, LTD. 339-127 ANDREW ROAD, PENRITH, NOW 3.58 Libernet Veriation 5 tourist 5 t	1085783	ACI OPERATIONS PTY. LTD.		s.58 Licence Variation	Issued	21-Oct-08
1198805 ACI OPERATIONS PTV. LTD. 230-172 ANDREW ROAD, PENRITH, NOW 5.58 License Variation 150-172 ANDREW ROAD, PENRITH, NOW 5.59 License Variatio				a FO Haanaa Mayladlan		6 64/2 00
1109805 ACT OPERATIONS PTYL ITD. 32750 3272 AND SERV ROAD, PENRITH, NOW 2510 ACT OPERATIONS PTYL ITD. 3274 AND SERV ROAD, PENRITH, NOW 2700 70	1104746	ACT OPERATIONS PTY, LTD.		2.38 Dicence Astractor	Ested	6-M08-03
1531275 AC CORRATIONS PYLLTD 2750 2750	1109805	ACI OPERATIONS PTY, LTD.		s.58 Licence Variation	Issued	26-Feb-10
247 SORAL RESCURCES (NEW) PTY LID PEACHTREE SOLD, PENRITH, NSW 2750 POSD (Recence No lenger in force 12-Aug-0 12-15 CASTLEREAGH ROAD, PENRITH, NSW 2750 No lenger No lenger in force 12-Aug-0		·				45.441
2115 CASTLEBEAGH ROAD, PENRITH, NSW 2750 1070974 CAPRAL LIMITED 2115 CASTLEBEAGH ROAD, PENRITH, NSW 2750 1070975 CAPRAL LIMITED 2115 CASTLEBEAGH ROAD, PENRITH, NSW 2750 115 CASTLEBEAGH ROAD, PENRITH, NSW 2750 11000 CRAME ENFELD METALS PTY, LIMITED 2750 115 CASTLEBEAGH ROAD, PENRITH, NSW 2750 1						
115 CASTLEBACH ROAD, PENRITH, NSW 350 LINES 350	247	BORAL RESOURCES (MSVV) PTY LTO		POEO IICEIICE	(40 totalger in force	12700
1077973 CAPRAL LIMITED 2750 2	12405	CAPRAL LIMITED		POEO licence	Issued	9-Mar-06
2115 CAPRAL LIMITED 2750				- Ed ti Mariatian	lancad	30.101.07
109988 CAPRAL LIMITED	10/09/4	CAPRAL LIMITED		S.36 LICENCE VARIATION	(359/1903	50-301-07
1109988 CAPPAL LIMITED 2750 2115 CASTLEREAGH ROAD, PENRITH, NEW 2750 2115 CASTLEREAGH ROAD, PENRITH,	1077652	CAPRAL LIMITED		s.58 Licence Variation	issued	31-Aug-07
1215.05.07 CAPRAL LIMITED					i	l
15259672 CAPRAL LIMITED 1215 CASTLEREAGH ROAD, PENRITH, NSW 158 Licence Variation 1526072 1008 CRAME EMPELD METALS PTY, LIMITED 2750 2115 CASTLEREAGH ROAD, PENRITH, NSW 158 Licence Variation 158 Li	1109988	CAPRAL LIMITED		s.58 Licence Variation	issued .	19-Apr-10
2115 CASTLEREAGH ROAD, PENRITH, RSW 2750	1525967	CAPRAL LIMITED		s.58 Licence Variation	Issued	31-Oct-14
1000 CRANE ENRIELD METALS PTY, LIMITED 2750 1017496 CRANE ENRIELD METALS PTY, LIMITED 2115 CASTLEREAGH ROAD, PENRITH, NSW 2750 1072477 CHANG ENRIELD METALS PTY, LIMITED 2155 CASTLEREAGH ROAD, PENRITH, NSW 2750 1104995 CRANE ENRIELD METALS PTY, LIMITED 2750 110495 CRANE ENRIELD METALS PTY, LIMITED 2750 110496 CRANE ENRIELD METALS PTY, LIM			2115 CASTLEREAGH ROAD, PENRITH, MSW	·		
1096 CRAME ENRIELD METALS PTY, LIMITED 2750 2115 CASTLEREAGH ROAD, PENRITH, NSW 258 (Liennee Variation 1584ed 24-Nov-Ell 1072470 CRAME ENRIELD METALS PTY, LIMITED 2750 2115 CASTLEREAGH ROAD, PENRITH, NSW 258 (Liennee Variation 1584ed 24-Nov-Ell 1072470 CRAME ENRIELD METALS PTY, LIMITED 2750 2115 CASTLEREAGH ROAD, PENRITH, NSW 258 (Liennee Variation 1584ed 24-Nov-Ell 24-Nov-Ell 2750 2115 CASTLEREAGH ROAD, PENRITH, NSW 258 (Liennee Variation 1584ed 24-Nov-Ell 2750 27	1526072	CAPRAL UMITED		s.58 Licence Variation	Issued	11-Nov-14
1017499 GRANE ENFIELD METALS PTV. LIMITED 2750 1072470 GRANE ENFIELD METALS FTV. LIMITED 2750 1104995 GRANE ENFIELD METALS FTV. LIMITED 2750 1104995 CRANE ENFIELD METALS F	1098	CRAME ENRIFI O METALS PTY, LIMITED	· · · · · · · · · · · · · · · · · · ·	POEO license	Issued	26-Jun-00
1072470 CRANE ENFELD METALS PTY. LIMITED 2750 2750 2750 2750 2750 2750 2750 2750	2,000	CIPAL DATE OF NEW PROPERTY OF STREET				
1079470 CRANE EMPIELD METALS PTY. LIMITED 2750 215 CASTLEREAGH ROAD, PENRITH, RSW 2750 215 CASTLEREAGH ROAD, PENRITH, RSW 2750 2750 2750 2750 2750 2750 2750 2750	1017498	CRANE ENFIELD METALS PTY. LIMITED		s.58 Licence Variation	issued	24-Nov-03
2115 CASTLEREAGH ROAD, PENRITH, NSW 2152795 CRANE ENFIELD METALS FTY, LIMITED 2155 CASTLEREAGH ROAD, PENRITH, NSW 21512775 CRANE ENFIELD METALS FTY, LIMITED 2155 CASTLEREAGH ROAD, PENRITH, NSW 21512775 CRANE ENFIELD METALS FTY, LIMITED 2155 CASTLEREAGH ROAD, PENRITH, NSW 21515 CASTLEREAGH ROAD, PENRITH, NS	1073470	CHANG ENGISIO METALS BTV TIMITED	·	s.58 Licence Variation	issued	20-Sen-07
1512778 CRANE ENFIELD METALS PTV. LIMITED 2750 2750 CRANE ENFIELD METALS PTV. LIMITED 2750 2750 2050 CUMMINS SOUTH PACIFIC PTV. LTD. 7 Andrews Road, PENRITH, NSW 2750 POED Rence 305208 CUMMINS SOUTH PACIFIC PTV. LTD. 7 Andrews Road, PENRITH, NSW 2750 305 DORS CLARK INDUSTRIES LIMITED 2750 2101 CASTLEREAGH ROAD, PENRITH, NSW 2750 POED Rence 2750 2101 CASTLEREAGH ROAD, PENRITH, NSW 2750 POED Rence 2750 2102 CASTLEREAGH ROAD, PENRITH, NSW 2750 POED Rence 2750 2102 CASTLEREAGH ROAD, PENRITH, NSW 2750 POED Rence 2750 2102 CASTLEREAGH ROAD, PENRITH, NSW 2750 POED Rence 2750 2102 CASTLEREAGH ROAD, PENRITH, NSW 2750 POED Rence 2750 2102 Raintered 2750 2102 CASTLEREAGH ROAD, PENRITH, NSW 2750 POED Rence 2750 2102 Raintered 2750 2102	10,24,0	CIVITE ENTREED WEINES FT. DIVITED				20.04
13:12789 CRANE ENFIELD METALS PTY. LIMITED 2750 2115 CASTLEREAGH ROAD, PENRITH, NSW 3.58 Licence Variation Issued 19-Mar-11 1515690 CRANE ENFIELD METALS PTY. LIMITED 2750 5.58 Licence Variation Issued 25-Jul-11 1515690 CRANE ENFIELD METALS PTY. LIMITED 2750 5.58 Licence Variation Issued 25-Jul-11 1515690 CRANE ENFIELD METALS PTY. LIMITED 2750 5.58 Licence Variation Issued 26-Jul-11 1515690 CRANE ENFIELD METALS PTY. LIMITED 2750 7.7 Andrews Road, PENRITH, NSW 2750 POEO Brence Surrendered 19-Jun-01 10945 CUMMINS SOUTH PACIFIC PTY. LTD. 7.7 Andrews Road, PENRITH, NSW 2750 POEO Brence Surrendered 19-Jun-01 10945 CUMMINS SOUTH PACIFIC PTY. LTD. 7.7 Andrews Road, PENRITH, NSW 2750 S.58 Licence Variation Issued 8-Nara-01 10945 CUMMINS SOUTH PACIFIC PTY. LTD. 7.7 Andrews Road, PENRITH, NSW 2750 S.58 Licence Variation Issued 8-Nara-01 10945 CUMMINS SOUTH PACIFIC PTY. LTD. 7.7 Andrews Road, PENRITH, NSW 2750 S.58 Licence Variation Issued 8-Nara-01 10945 CUMMINS SOUTH PACIFIC PTY. LTD. 7.7 Andrews Road, PENRITH, NSW 2750 S.58 Licence Variation Issued 9-Nara-01 10945 CASTLEREAGH ROAD, PENRITH, NSW 2750 S.58 Licence Variation Issued 9-Nara-01 10946 DORF CLARK INDUSTRIES LIMITED 2750 S.58 Licence Variation Issued 9-Nara-01 10946 DORF CLARK INDUSTRIES LIMITED 2750 S.58 Licence Variation Issued 9-Nara-01 10946 DORF CLARK INDUSTRIES LIMITED 2750 S.58 Licence Variation Issued 8-Nara-01 10946 DORF CLARK INDUSTRIES LIMITED 2750 S.58 Licence Variation Issued 9-Nara-01 10946 DORF CLARK INDUSTRIES PTY LID 110467 DORF CLARK IN	1104995	CRANE ENFIELD METALS PTY. LIMITED		s.58 Licence Variation	Issued	4-Nov-09
2115 CASTLEREAGH ROAD, PENRITH, NSW 2750 1515690 CRANE ENFIELD METALS PTY, LIMITED 2750 2751 CRANE ENFIELD METALS PTY, LIMITED 2750 2751 CRANE ENFIELD METALS PTY, LIMITED 2750 2750 2751 CRANE ENFIELD METALS PTY, LIMITED 2750 2750 2750 2750 2750 2750 2750 2750	1543700	CRAME ENGIELD MAETALS BTV AMAITED	·	Compliance Audit	Complete	19-Mar-19
1515690 CRAME ENFIRED METALS PTY, LIMITED 2750 275	1322/03	CMAINE ENTIFED IN EIALD F 11. CHAITED		Compilative Plagie	Complete	
1515699 CRANE ENFIELD METALS PTV. LIMITED 2750 215 CASTLEREAGH ROAD, PENRITH, NSW 2750 158 Licence Variation issued 26-5ep-1- 10995 CUMMINS SOUTH PACHE (PTY, LTD. 7 Andrews Road, PENRITH, NSW 2750 308 DORF CLARK INDUSTRIES LIMITED 2750 2750 2750 308 DORF CLARK INDUSTRIES LIMITED 2750 2750 2750 2750 2750 2750 2750 2750	151277 <u>\$</u>	CRANE ENFIELD METALS PTY. LIMITED		s.58 Licence Variation	Issued	19-Mar-13
1525217 CRAINE ENFIELD METALS PTY. LIMITED 2750 1535 Licence Variation 15300d 26-5ep-1-10945 CUMMINS SOUTH PACIFIC PTY. LTD. 7 Andrews Road, PENRITH, NSW 2750 9.58 Licence Variation 15300d 8-Mar-0-1035208 CUMMINS SOUTH PACIFIC PTY. LTD. 7 Andrews Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1035208 CUMMINS SOUTH PACIFIC PTY. LTD. 7 Andrews Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1035208 CUMMINS SOUTH PACIFIC PTY. LTD. 7 Andrews Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1035208 CUMMINS SOUTH PACIFIC PTY. LTD. 7 Andrews Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1024084 DORF CLARK INDUSTRIES LIMITED 2750 2101 CASTLEREAGH ROAD, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Feb-01 11290 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 15.88 Licence Variation 15300d 8-Mar-0-1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 15.91 Clean Up Notice 15300d 27-Jan-11 1535765 Glass Rocovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 15.91 Clean Up Notice 15300d 27-Jan-11 1535765 Glass Rocovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 15.91 Clean Up Notice 15300d 27-Jan-11 1535765 Glass Rocovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 15.91 Clean Up Notice 15300d 27-Jan-11 1535765 Glass Rocovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 15.91 Clean Up Notice 15300d 27-Jan-11 1535765 Glass Rocovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2750 15.91 Licence Variation 15300d 17-Jan-01 153000 TRIN TERMINITY LUBRICATING OILS (MANUFACTURING) PTY 1037272 LIMITED 10 CO	1515666	ORANIC CHICLES ARTEALS OTH ARMITED	,	r SQ Licence Veriation	leeuad	26alula13
1525217 CRANE EMPIRIO METALS PTY. LIMITED 2750 1.58 Licence Variation 1.58 Licence Variatio	T212690	CRANE ENPIELD METALS PTT. DIVITED		BLOG DEEDRO VOI MEION	188040	20 701 23
1035208 CUMMINS SOUTH PACIFIC PTY. LTD. 7 Andrews Road, PENRITH, NSW 2750 3.58 Licence Variation issued 8-Mar-0- 2101 CASTLEREAGH ROAD, PENRITH, NSW 2750 POEO Rence 9.17-Jan-05 1024084 DORF CLARK INDUSTRIES LIMITED 2750 2.101 CASTLEREAGH ROAD, PENRITH, NSW 2.101 CASTLER	1525217	CRANE ENFIELD METALS PTY. LIMITED	·			26-Sep-14
2101 CASTLEREAGH ROAD, PENRITH, NSW POCO Recence Surrendered 17-Jan-00					"	19-Jun-00
308 DORF CLARK INDUSTRIES LIMITED 2750 2101 CASTLEREAGH ROAD, PENRITH, NSW 2750 2750 2750 2750 2750 2750 2750 2750	1035208	CUMMINS SOUTH PACIFIC PTY, LTD.		5.56 Licence variation	Issuec	a-17/ar-04
1024084 DORF CLARK INDUSTRIES LIMITED 2750 3.58 Licence Variation Issued 6-Jan-06 1044228 DORF CLARK INDUSTRIES LIMITED 2750 2101 CASTLEREAGH ROAD, PENRITH, NSW 2750 5.58 Licence Variation Issued 8-Fab-08 11290 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 POEO Bicence No longer in force 8-Jan-07 1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 5.58 Licence Variation Issued 8-Mag-06 1256441 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 5.91 Clean Up Notice Issued 27-Jan-18 1035780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 9.91 Clean Up Notice Issued 23-Aug-18 1035780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 Penalty Notice Issued 28-Oct-18 1035780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 Penalty Notice Issued 28-Oct-18 1035780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Bicence Issued 28-Oct-19 103512 Junited 125 Andrews Road, PENRITH, NSW 2750 POEO Bicence Issued 7-Nov-12 12132 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 POEO Bicence Surrendered 1-Oct-06 103512 JUNITED 1 COOMBES DRIVE, PENRITH, NSW 2750 S.58 Licence Variation Issued 2-Feb-08 103512 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO Bicence Surrendered 11-Oct-06 104521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO Bicence Surrendered 11-Oct-06 104521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO Bicence Surrendered 11-Oct-06 104521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO Bicence Surrendered 20-Mar-07 104521 JAMES NEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO Bicence Surrendered 20-Mar-07 104521 JAMES NEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO Bicence Surrendered 20-Mar-07 104521 JAMES NEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO Bicence Surrendered 20-Mar-07	308	DORF CLARK INDUSTRIES LIMITED		POEO licence	Surrendered	17-Jan-00
1044228 DORF CLARK INDUSTRIES LIMITED 2101 CASTLEREAGH ROAD, PENRITH, NSW 2750 11290 ENDEAVOUR ENERGY 96-120 Blaikle Road, PENRITH, NSW 2750 1035197 ENDEAVOUR ENERGY 96-120 Blaikle Road, PENRITH, NSW 2750 1035197 ENDEAVOUR ENERGY 96-120 Blaikle Road, PENRITH, NSW 2750 1035197 ENDEAVOUR ENERGY 96-120 Blaikle Road, PENRITH, NSW 2750 1035197 ENDEAVOUR ENERGY 96-120 Blaikle Road, PENRITH, NSW 2750 1035197 ENDEAVOUR ENERGY 96-120 Blaikle Road, PENRITH, NSW 2750 1035197 ENDEAVOUR ENERGY 96-120 Blaikle Road, PENRITH, NSW 2750 1035197 ENDEAVOUR ENERGY 96-120 Blaikle Road, PENRITH, NSW 2750 99-120 Blaikle Road, PENRITH, NSW 2750 99-120 Blaikle Road, PENRITH, NSW 2740 99-120 Blaikle Road, PENRITH, NSW 2750 109-120 Blaikle Road,		<u>-</u> -	2101 CASTLEREAGH ROAD, PENRITH, NSW		I	,
1044228 DORF CLARK INDUSTRIES LIMITED 2750 s.5.8 Licence Variation Issued 8-Fab-01 11290 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 POEO Bicence No longer in force 8-Jan-01 1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 s.5.8 Licence Variation Issued 8-Mar-02 1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 s.5.8 Licence Variation Issued 8-Mar-02 1526441 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 s.9.1 Clean Up Notice Issued 27-Jan-13 1535765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 s.9.1 Clean Up Notice Issued 23-Aug-14 108576565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 s.9.1 Clean Up Notice Issued 28-Oct-14 20361 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Bicence Issued 7-Nov-12 GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 12132 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 POEO Bicence Surrendered 1-Oct-04 GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1097227 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 s.58 Licence Variation Issued 2-Fab-05 GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 s.58 Licence Variation Issued 17-Aug-05 GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1 COOMBES DRIVE, PENRITH, NSW 2750 s.58 Licence Variation Issued 17-Aug-05 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 s.58 Licence Variation Issued 16-Fab-05 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 s.58 Licence Variation Issued 16-Fab-06 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 s.58 Licence Variation Issued 16-Fab-07 104521 JAMES NETH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 s.58 Licence Variation Issued 16-Fab-07 104521 JAMES NETH COSGROVE SHOW PRIVATE HOSPITAL PROPERTY PTY 366 JAMISON ROAD, PENRITH, NSW 2750 POEO Bicence Surrendered 20-Mar-07	1024084	DORF CLARK INDUSTRIES LIMITED		9.56 Licence Variation	Issued	6-Jan-03
11290 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 1035197 ENDEAVOUR ENERGY 96-120 Blaikie Road, PENRITH, NSW 2750 1526441 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 1595765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 1595765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 1595765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 1595765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 159085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 1270911	104422B	DORF CLARK INDUSTRIES LIMITED		s.58 Licence Variation	Issued	8-Feb-05
1035197 ENDEAVOUR ENERGY 1526441 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 1535765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 1535765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 15357656 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 15361 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 15361 Glass Recovery Services Pty Ltd 127 Andrews Road, PENRITH, NSW 2740 15361 Glass Recovery Services Pty Ltd 128 Andrews Road, PENRITH, NSW 2740 15361 Glass Recovery Services Pty Ltd 129 Andrews Road, PENRITH, NSW 2740 15361 Glass Recovery Services Pty Ltd 129 Andrews Road, PENRITH, NSW 2740 15361 Glass Recovery Services Pty Ltd 129 Andrews Road, PENRITH, NSW 2740 15361 Glass Recovery Services Pty Ltd 129 Andrews Road, PENRITH, NSW 2740 15361 Glass Recovery Services Pty Ltd 129 Andrews Road, PENRITH, NSW 2750 15361 Glass Recovery Services Pty Ltd 129 Andrews Road, PENRITH, NSW 2750 15361 Glass Recovery Services Pty Ltd 120 Andrews Road, PENRITH, NSW 2750 15361 Glass Recovery Services Pty Ltd 120 Andrews Road, PENRITH, NSW 2750 15361 Clean Up Notice 15391 Clean Up Notice 15394 Clean Up Notice		· ·	·			
1526441 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 s.91 Clean Up Notice Issued 27-Jan-1: 1535765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 s.91 Clean Up Notice Issued 23-Aug-18 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 Penalty Notice Issued 28-Oct-18 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 Penalty Notice Issued 28-Oct-18 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Brence Issued 7-Nov-17 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Brence Issued 7-Nov-17 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Brence Issued 7-Nov-17 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2750 POEO Brence Issued 7-Nov-17 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2750 POEO Brence Surrendered 1-Oct-08 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2750 POEO Brence Variation Issued 17-Aug-08 (3085780566) Issued 18-Feb-08 (30857805666) Issued 18-Feb-08 (3085780566) Issued 18-Feb-08	11290	ENDEAVOUR ENERGY	96-120 Blaikie Road, PENRITH, NSW 2750	POEO licence	No longer in force	8-Jan-01
1526441 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 s.91 Clean Up Notice Issued 27-Jan-1: 1535765 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 s.91 Clean Up Notice Issued 23-Aug-18 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 Penalty Notice Issued 28-Oct-18 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 Penalty Notice Issued 28-Oct-18 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Brence Issued 7-Nov-17 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Brence Issued 7-Nov-17 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Brence Issued 7-Nov-17 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2750 POEO Brence Issued 7-Nov-17 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2750 POEO Brence Surrendered 1-Oct-08 (3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2750 POEO Brence Variation Issued 17-Aug-08 (3085780566) Issued 18-Feb-08 (30857805666) Issued 18-Feb-08 (3085780566) Issued 18-Feb-08	1035197	ENDEAVOUR ENERGY	96-120 Blaikie Road, PENRITH, NSW 2750	s.58 Licence Variation	Issued	8-Mar-04
3085780565 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 Penalty Notice Issued 28-Oct-16 20381 Glass Recovery Services Pty Ltd 126 Andrews Road, PENRITH, NSW 2740 POEO Brence Issued 7-Nov-17 GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY LUBRICATING OILS (MANUFACTUR				s.91 Clean Up Notice		27-Jan-15
20381 Glass Recovery Services Pty Ltd 125 Andrews Road, PENRITH, NSW 2740 POEO licence Issued 7-Nov-1. GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 12132 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 POEO licence Surrendered 1-Oct-0s GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1097227 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 S.58 Licence Variation Issued 2-Feb-0s GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 S.58 Licence Variation Issued 17-Aug-0s 144521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO licence Surrendered 21-Jun-0s 144521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 S.58 Licence Variation Issued 16-Feb-0s JAMISON PRIVATE HOSPITAL PROPERTY PTY 366 JAMISON ROAD, PENRITH, NSW 2750 POEO licence Surrendered 20-Mair-0s 2257 - 2265 CASTLEREAGH ROAD, PENRITH,						23-Aug-16
GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 12132 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1097227 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 2 DECOMBES DRIVE, PENRITH, NSW 2750 2 DECOMBES DRIVE, PENRITH, NSW 2750 3 COOMBES DRIVE, PENRITH, NSW 2750 3 COOMBES DRIVE, PENRITH, NSW 2750 4 DECOMBES DRIVE, PENRITH, NSW 2750 5 DECOMBES DRIVE,						
LUBRICATING OILS (MANUFACTURING) PTY 12132 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 2 COOMBES DRIVE, PENRITH, NSW 2750 2 COOMBES DRIVE, PENRITH, NSW 2750 2 COOMBES DRIVE, PENRITH, NSW 2750 3 COOMBES DRIVE, PENRITH, NSW 2750 3 COOMBES DRIVE, PENRITH, NSW 2750 3 COOMBES DRIVE, PENRITH, NSW 2750 4 COOMBES DRIVE, PENRITH, NSW 2750 4 COOMBES DRIVE, PENRITH, NSW 2750 4 COOMBES DRIVE, PENRITH, NSW 2750 5 COOMBES DRI					T	<u> </u>
GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1097227 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 S.58 Licence Variation Issued 2-Feb-09 104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 5.58 Licence Variation Issued 17-Aug-09 104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 5.58 Licence Variation Issued 17-Aug-09 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 JAMISON PRIVATE HOSPITAL PROPERTY PTY 7019 LTD 366 JAMISON ROAD, PENRITH, NSW 2750 POEO ficence Surrendered 20-Mair-09 20-Mair-09 20-Mair-09		LUBRICATING OILS (MANUFACTURING) PTY			L	
LUBRICATING OILS (MANUFACTURING) PTY 1097227 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 S.58 Licence Variation Issued 2-Feb-09 104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 5.58 Licence Variation Issued 17-Aug-09 104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 5.58 Licence Variation Issued 17-Aug-09 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 9 DEO licence 3- Surrendered 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 3-58 Licence Variation Issued 1-Feb-09 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 3-58 Licence Variation Issued 1-Feb-09 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 9 DEO licence Surrendered 20-Mair-09 20-Mair-0			1 COCIMBES DRIVE, PENRITH, NSW 2750	POEO Reence	surrendered	1-Oct-04
1097227 LIMITED 1 COOMBES DRIVE, PENRITH, MSW 2750 5.58 Licence Variation Issued 2-Feb-09 GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (MANUFACTURING) PTY 1104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 5.58 Licence Variation Issued 17-Aug-09 G472 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO ficence Surrendered 21-Jun-09 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 5.58 Licence Variation Issued 16-Feb-09 JAMISON PRIVATE HOSPITAL PROPERTY PTY 366 JAMISON ROAD, PENRITH, NSW 2750 POEO ficence Surrendered 20-Mair-09 2257 - 2265 CASTLEREAGH ROAD, PENRITH,					l	
LUBRICATING OILS (MANUFACTURING) PTY 1104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 s.58 Licence Variation Issued 17-Aug-05 6472 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 PDEO licence Surrendered 21-Jun-05 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 s.58 Licence Variation Issued 16-Feb-05 JAMISON PRIVATE HOSPITAL PROPERTY PTY 7019 LTD 366 JAMISON ROAD, PENRITH, NSW 2750 POEO licence Surrendered 20-Mar-05 2257 - 2265 CASTLEREAGH ROAD, PENRITH,	1097227	LIMITED	1 COOMBES DRIVE, PENRITH, NSW 2750	s.58 Licence Variation	Issued	2-Feb-09
1104874 LIMITED 1 COOMBES DRIVE, PENRITH, NSW 2750 s.58 Licence Variation Issued 17-Aug-05 6472 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO ficence Surrendered 21-Jun-05 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 s.58 Licence Variation Issued 16-Feb-05 JAMISON PRIVATE HOSPITAL PROPERTY PTY 7019 LTD 366 JAMISON ROAD, PENRITH, NSW 2750 POEO ficence Surrendered 20-Mar-05 2257 - 2265 CASTLEREAGH ROAD, PENRITH,					1	
6472 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 POEO licence Surrendered 21-Jun-00 1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 s.58 Licence Variation Issued 16-Feb-00 JAMISON PRIVATE HOSPITAL PROPERTY PTY 7019 LTD 366 JAMISON ROAD, PENRITH, NSW 2750 POEO licence Surrendered 20-Mair-00		•	1 COOMBES DRIVE, PENRITH, NSW 2750	s.58 Licence Variation	Issued	17-Aug-09
1044521 JAMES KEITH COSGROVE 8 HOYLE PLACE, PENRITH, NSW 2750 s.58 Licence Variation listued 16-Feb-08 JAMISON PRIVATE HOSPITAL PROPERTY PTY 7019 LTD 366 JAMISON ROAD, PENRITH, NSW 2750 POEO licence Surrendered 20-Mar-09 2257 - 2265 CASTLEREAGH ROAD, PENRITH,						21-Jun-00
7019 LTD 366 JAMISON ROAD, PENRITH, NSW 2750 POEO ficence Surrendered 20-Mar-0: 2257 - 2265 CASTLEREAGH ROAD, PENRITH,	1044521	JAMES KEITH COSGROVE	8 HOYLE PLACE, PENRITH, NSW 2750	s.58 Licence Variation	issued	16-Feb-05
2257 - 2265 CASTLEREAGH ROAD, PENRITH,			366 JAMISON BOAD BENRITH MENN 2754	POEO ficence	Surrendered	20-Mar-M
	MIA			. Old Hellie		TO-14181-01
	2869	LO&D MILK PTY LTD		POEO licence	Essued	5-Jun-00

		1	,		
1012903	LO&D MILK PTY LTD	2257 - 2265 CASTLEREAGH ROAD, PENRITH, INSW 2750	s.58 Licence Variation	issued	18-Feb-02
	l	2257 - 2265 CASTLEREAGH ROAD, PENRITH,			
1525246	LD&D MILK PTY LTD	NSW 2750 2257 - 2265 CASTLEREAGH ROAD, PENRITH,	s.58 Licence Variation	Issued	2-Oct-14
1556498	LD&D MILK PTY LTD	NSW 2750	s.96 Prevention Notice	Issued	8-Sep-17
21087	MEYER TIMBER N.S.W. PTY LTD	2101-2113 Castlereagh Road, PENRITH, NSW 2750	POEO licence	Issued	6-Apr-18
		LOT D FROGMORE ROAD, PENRITH, NSW			
3741	NAREX AUSTRALIA PTY LTD	2750 LOT D FROGMORE ROAD, PENRITH, NSW	POEO licence .	Surrendered	31-Jan-01
1007235	MAREX AUSTRALIA PTY LTD	2750	s.58 Licence Variation	Issued	10-May-01
1008444	NAREX AUSTRALIA PTY LTD	LOT D FROGMORE ROAD, PENRITH, NSW 2750	s.58 Licence Variation	issued	20-Aug-01
2818	PANASONIC AVC NETWORKS AUSTRALIA PTY	164 STATION STREET, PENRITH, NSW 2750	POEO itcence	Surrendered	24-Mar-00
-	PANASONIC AVC NETWORKS AUSTRALIA PTY	204 STRITON STREET, I ENGINEER, 14379 2730	1 GGG (MG)ALC	Salitationed	24-17161-00
1048338	LTD	164 STATION STREET, PENRITH, NSW 2750	s.58 Licence Variation	Issued	31-May-05
10349	SYDNEY OLYMPIC PARK AUTHORITY	CASTLEREAGH ROAD, PENRITH, NSW 2750	POEO licence	Surrandered	6-Jan-00
1409	SYDNEY WATER CORPORATION .	CASTLEREAGH ROAD, PENRITH, NSW 2750	POEO licence	issued	25-May-00
				i	
1005313	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	Issued	22-Oct-01
1017898	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, MSW 2750	s.58 Licence Variation	Issued	26-Jun-02
1018895;	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Verlation	lssued	23-Dec-02
1028330	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	Issued	8-Jul-03
1032690	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	Issued	25-Nov-03
1032982	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	Issued	19-Mar-04
1047700	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	issued	30-Jun-05
1061410	SYDNEY WATER CORPORATION	CASTLEREAGN ROAD, PENRITH, NSW 2750	s.58 Licence Variation	Issued	29-Jun-06
1074754	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, FENRITH, NSW 2750	s.58 Licence Variation	Issued	27-Jun-07
1116048	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	Issued	2-Jul-10
1129012	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	issued	27-Jun-11
1504851	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	ssued	28-Jun-12
1528922	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.56 Licence Variation	Issued	23-Mar-15
1538189	SYDNEY WATER CORPORATION	CASTLEREAGH ROAD, PENRITH, NSW 2750	s.58 Licence Variation	ssued	19-Feb-16
11461	TOTAL CONCRETE SOLUTIONS PTY LIMITED	261 COOMBES DRIVE, PENRITH, NSW 2750	POEO Ricence	No longer in force	19-Oct-01
1294		60-62 REGENTVILLE ROAD, PENRITH, NSW 2750	POEO licence	Surrendered	22-Aug-00
12106	VIP STEEL PACKAGING PTY LTD	182-184 Andrews Road, PENRITH, NSW 2750	POEO IIcance	Surrendered	28-Apr-04
1042219	VIP STEEL PACKAGING PTY LTD	182-184 Andrews Road, PENRITH, NSW 2750	s.58 Licence Variation	Issued	10-Nov-04
1065654	VIP STEEL PACKAGING PTY LTD	182-184 Andrews Road, PENRITH, NSW 2750	s.58 Licence Variation	Issued	25-Oct-06
1093267	VIP STEEL PACKAGING PTY LTD	182-184 Andrews Road, PENRITH, NSW 2750	s.58 Licence Variation	Issued	10-Nov-08
1127751		182-184 Andrews Road, PENRITH, NSW 2750 2152 CASTLEREAGH ROAD, PENRITH, NSW	5.35 Deance Variation	Issued	3-Jun-11
5269		2750 2152 CASTLEREAGH ROAD, PENRITH, NSW	POEO licence	Essued	10-Aug-00
1066270	/IRBAC (AUSTRALIA) PTY LTD	2750	s.58 Licence Variation	Issued	15-Dec-06
10725091		2152 Castlereagh Road, Penrith, NSW 2750	s.58 Licence Variation	Issued	23-Jul-07
		2152 CASTLEREAGH ROAD, PENRITH, NSW	•		
1100623 V		2750 2152 Castlereagh Road, Penrith, NSW	s.58 Licence Variation	Issued	7-0ct-09
1525064 V		2750	s.58 Licence Variation	issued	11-Nov-14

Page 66 of 74

APPENDIX E: SECTION 149 PLANNING CERTIFICATE

© Benviron Group

PENRITH CITY COUNCIL

Civic Centre 601 High Street, Penrith

PO Box 60 Penrith NSW 2751

Telephone: 02 4732 7777 Pacsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

Property No:

541284

Your Reference: Contact No.

JB Leimanis

Issue Date:

13 March 2017

Certificate No:

17/01168

Issued to:

William Boxsell Georgas

P O Box 960

CASTLE HILL NSW 1765

PRECINCT 2010

DESCRIPTION OF LAND

County:

CUMBERLAND

Parish:

MULGOA

Location:

1 Station Lane PENRITH NSW 2750

Land Description:

Lot 2B DP 161921

- PART 1 PRESCRIBED MATTERS -

In accordance with the provisions of Section 149(2) of the Act the following information is furnished in respect of the abovementioned land:

NAMES OF RELEVANT PLANNING INSTRUMENTS AND DCPs 1

1(1) The name each environmental planning instrument that applies to the carrying out of development on the land:

Penrith Local Environmental Plan 2010, published 22nd September 2010, as amended, applies to the

Sydney Regional Environmental Plan No.9 - Extractive Industry (No.2), gazetted 15 September 1995, as amended, applies to the local government area of Penrith.

Sydney Regional Environmental Plan No. 20 - Hawkesbury-Nepean River (No. 2 - 1997), gazetted 7 November 1997, as amended, applies to the local government area of Penrith (except land to which State Environmental Planning Policy (Penrith Lakes Scheme) 1989 applies).

The following State environmental planning policies apply to the land (subject to the exclusions noted below):

State Environmental Planning Policy No.1 - Development Standards. (Note: This policy does not apply to the land to which Penrith Local Environmental Plan 2010 or State Environmental Planning Policy (Western Sydney Employment Area) 2009 apply.)

State Environmental Planning Policy No.19 - Bushland in Urban Areas. (Note: This policy does not apply to certain land referred to in the National Parks and Wildlife Act 1974 and the Forestry Act 1916.)

State Environmental Planning Policy No.21 - Caravan Parks.

State Environmental Planning Policy No.30 - Intensive Agriculture.

State Environmental Planning Policy No.32 - Urban Consolidation (Redevelopment of Urban Land). (Note: This policy does not apply to land identified as coastal protection, environmental protection, escarpment, floodway, natural hazard, non-urban, rural,

Certificate No. 17/01168

Lot 2B DP 161921

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNIN Envis

CERTIFICATE UNDER SECTION 149

iental Planning and Assessment Act, 1979

State Environmental Planning Policy No.33 - F

State Environmental Planning Policy No.50 - Ca to which State Environmental Planning Policy (Penrith Lakes Scheme) .

State Environmental Planning Policy No.55 - Re

State Environmental Planning Policy No.62 - Su

State Environmental Planning Policy No.64 - Ac

State Environmental Planning Policy No.65 - Do

State Environmental Planning Policy No.70 - A1

State Environmental Planning Policy (Housing policy applies to land within New South Wales that is land zoned primaril but only as detailed in clause 4 of the policy.)

urdous and Offensive Development.

I Estate Development. (Note: This policy does not apply to the land applies.

ediation of Land.

ninable Aquaculture.

ertising and Signage.

gn Quality of Residential Apartment Development. rdable Housing (Revised Schemes).

e Seniors or People with a Disability) 2004 (Note: This or urban purposes or land that adjoins land zoned primarily for urban purposes,

State Environmental Planning Policy (Building S stainability Index: BASIX) 2004.

State Environmental Planning Policy (Major Development) 2005.

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

State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007.

State Environmental Planning Policy (Infrastructura) 2007.

State Environmental Diamita Di

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

(Information is provided in this section only if a proposed environmental planning instrument that is or has been the subject of community consultation or on public exhibition under the Act will apply to the carrying out of development on the land.)

Draft State Environmental Planning Policy (Infrastructure) Amendment (Shooting Ranges) 2013 applies to the land.

Draft State Environmental Planning Policy (Education Establishments and Child Care Facilities) 2017 applies to the land.

State Environmental Planning Policy (Infrastructure) Amendment (Review) 2016 applies to the land

1(3) The name of each development control plan that applies to the carrying out of development on the land:

Penrith Development Control Plan 2014 applies to the land.

2 ZONING AND LAND USE UNDER RELEVANT LEPS

For each environmental planning instrument or proposed instrument referred to in clause I (other than a SEPP or proposed SEPP) that includes the land in any zone (however described):

2(a)-(d) the identity of the zone; the purposes that may be carried out without development consent; the purposes that may not be carried out except with development consent; and the purposes that are prohibited within the zone. Any zone(s) applying to the land is/are listed below and/or in annexures.

Certificate No. 17/01168

Lot 2B DP 161921

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

(Note: If no zoning appears in this section see section 1(1) for zoning and land use details (under the Sydney Regional Environmental Plan or State Environmental Planning Policy that zones this property).)

Zone R4 High Density Residential (Penrith Local Environmental Plan 2010)

1 Objectives of zone

- To provide for the housing needs of the community within a high density residential environment.
- To provide a variety of housing types within a high density residential environment.
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.
- To ensure that a high level of residential amenity is achieved and maintained.
- To encourage the provision of affordable housing.
- To ensure that development reflects the desired future character and dwelling densities of the area.

2 Permitted without consent

Home occupations

3 Permitted with consent

Boarding houses; Building identification signs; Business identification signs; Car parks; Child care centres; Community facilities; Emergency services facilities; Environmental protection works; Exhibition homes; Exhibition villages; Flood mitigation works; Home-based child care; Home businesses; Information and education facilities; Neighbourhood shops; Places of public worship; Recreation areas; Recreation facilities (indoor); Residential accommodation; Respite day care centres; Roads; Shop top housing

4 Prohibited

Rural workers' dwellings; Any other development not specified in item 2 or 3

Flood planning

All or part of the subject land is identified in Penrith Local Environmental Plan 2010 (PLEP 2010) Clause 7.2 Flood Planning. Development consent is required for any development on land to which Clause 7.2 of PLEP 2010 applies.

Additional information relating to Penrith Local Environmental Plan 2010

Note 1: Under the terms of Clause 2.4 of Penrith Local Environmental Plan 2010 development may be carried out on unzoned land only with development consent.

- Note 2: Under the terms of Clause 2.6 of Penrith Local Environmental Plan 2010 land may be subdivided but only with development consent, except for the exclusions detailed in the clause.
- Note 3: Under the terms of Clause 2.7 of Penrith Local Environmental Plan 2010 the demolition of a building or work may be carried out only with development consent.
- Note 4: A temporary use may be permitted with development consent subject to the requirements of Clause 2.8 of Penrith Local Environmental Plan 2010.

Certificate No. 17/01168

Lot 2B DP 161921

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

Note 5: Under the terms of Clause 4.1A of Penrith Local Environmental Plan 2010, despite any other provision of this plan, development consent must not be granted for dual occupancy on an internal lot in Zone R2 Low Density Residential.

Note 6: Under the terms of Clause 5.1 of Penrith Local Environmental Plan 2010 development on land acquired by an authority of the State under the owner-initiated acquisition provisions may, before it is used for the purpose for which it is reserved, be carried out, with development consent, for any purpose.

Note 7: Under the terms of Clause 5.3 of Penrith Local Environmental Plan 2010 development consent may be granted to development of certain land for any purpose that may be carried out in an adjoining zone.

Note 8: Under the terms of Clause 5.9 of Penrith Local Environmental Plan 2010 trees or other vegetation subject to relevant sections of Penrith Development Control Plan 2014 must not be ringbarked, cut down, topped, lopped, removed, injured or wilfully destroyed without the authority conferred by a development consent or a Council permit.

Note 9: Under the terms of Clause 5.9AA of Penrith Local Environmental Plan 2010 (PLEP 2010) any tree or other vegetation that is not of a species or kind prescribed for the purposes of Clause 5.9 of PLEP 2010 by Penrith Development Control Plan 2014 may be ringbarked, cut down, topped, lopped, removed, injured or destroyed without development consent.

Note 10: Clause 5.10 of Penrith Local Environmental Plan 2010 details when development consent is required/not required in relation to heritage conservation.

Note 11: Under the terms of Clause 5.11 of Penrith Local Environmental Plan 2010 bush fire hazard reduction work authorised by the Rural Fires Act 1997 may be carried out on any land without development consent.

Note 12: Under the terms of Clause 7.1 of Penrith Local Environmental Plan 2010 (PLEP 2010) development consent is required for earthworks unless the work is exempt development under PLEP 2010 or another applicable environmental planning instrument, or the work is ancillary to other development for which development consent has been given.

Note 13: Sex services premises and restricted premises may only be permitted subject to the requirements of Clause 7.23 of Penrith Local Environmental Plan 2010.

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

(Information is provided in this section only if any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed.)

Certificate No. 17/01168

Lot 2B DP 161921

Civic Centre 601 High Street, Penrith

PO Box 60 Penrith NSW 2751

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

2(f) whether the land includes or comprises critical habitat:

(Information is provided in this section only if the land includes or comprises critical habitat.)

2(g) whether the land is in a conservation area (however described):

(Information is provided in this section only if the land is in a conservation area (however described).)

2(h) whether an item of environmental heritage (however described) is situated on the land:

(Information is provided in this section only if an item of environmental heritage (however described) is situated on the land.)

2A ZONING AND LAND USE UNDER STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006

(Information is provided in this section only if the land is within any zone under State Environmental Planning Policy (Sydney Region Growth Centres) 2006.)

3 COMPLYING DEVELOPMENT

GENERAL HOUSING CODE

(The General Housing Code only applies if the land is within Zones R1, R2, R3, R4 or RU5 under Penrith Local Environmental Plan 2010 or an equivalent zone in a non standard template planning instrument.)

Complying development under the General Housing Code may be carried out on the land if the land is within one of the abovementioned zones.

RURAL HOUSING CODE

(The Rural Housing Code only applies if the land is within Zones RU1, RU2, RU3, RU4, RU6 or R5 under Penrith Local Environmental Plan 2010 or an equivalent zone in a non standard template planning instrument.)

Complying development under the Rural Housing Code may be carried out on the land if the land is within one of the abovementioned zones.

HOUSING ALTERATIONS CODE

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

GENERAL DEVELOPMENT CODE

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

Certificate No. 17/01168

Lot 2B DP 161921

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

COMMERCIAL AND INDUSTRIAL ALTERATIONS CODE

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

SUBDIVISIONS CODE

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

DEMOLITION CODE

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

COMMERCIAL AND INDUSTRIAL (NEW BUILDINGS AND ADDITIONS) CODE

(The Commercial and Industrial (New Buildings and Additions) Code only applies if the land is within Zones B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3 under Penrith Local Environmental Plan 2010 or an equivalent zone in a non standard template planning instrument.)

Complying development under the Commercial and Industrial (New Buildings and Alterations) Code may be carried out on the land if the land is within one of the abovementioned zones.

FIRE SAFETY CODE

Complying development under the Fire Safety Code may be carried out on the land.

(NOTE: (1) Council has relied on Planning and Infrastructure Circulars and Fact Sheets in the preparation of this information. Applicants should seek their own legal advice in relation to this matter with particular reference to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

(2) Penrith Local Environmental Plan 2010 (if it applies to the land) contains additional complying development not specified in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.)

COASTAL PROTECTION

The land is not affected by the operation of sections 38 or 39 of the Coastal Protection Act 1979, to the extent that council has been so notified by the Department of Public Works.

MINE SUBSIDENCE 5

The land is not proclaimed to be a mine subsidence district within the meaning of section 15 of the Mine Subsidence Compensation Act 1961.

ROAD WIDENING AND ROAD REALIGNMENT 6

The land is not affected by any road widening or road realignment under:

- (a) Division 2 of Part 3 of the Roads Act 1993, or
- (b) an environmental planning instrument, or
- (c) a resolution of council.

Certificate No. 17/01168

Lot 2B DP 161921

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

7 COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK RESTRICTIONS

(a) Council Policies

The land is affected by the Asbestos Policy adopted by Council.

The land is not affected by any other policy adopted by the council that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).

(b) Other Public Authority Policies

The Bush Fire Co-ordinating Committee has adopted a Bush Fire Risk Management Plan that covers the local government area of Penrith City Council, and includes public, private and Commonwealth lands.

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

7A FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION

- (1) Development on the land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) (if such uses are permissible on the land) is subject to flood related development controls.
- (2) Development on the land or part of the land for industrial or commercial purposes (if such uses are permissible on the land) is subject to flood related development controls. Development on the land or part of the land for purposes other than industrial or commercial, or for purposes other than those referred to in (1) above, will be considered on a merits based approach and flood related development controls may apply.

Note: The land is subject to Penrith Development Control Plan 2014 Section C3.5 Flood Planning. On application and payment of the prescribed fee Council may be able to provide in writing a range of advice in regard to the extent of flooding affecting the property.

8 LAND RESERVED FOR ACQUISITION

No environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 27 of the Act.

9 CONTRIBUTIONS PLANS

The Cultural Facilities Development Contributions Plan applies anywhere residential development is permitted within the City of Penrith.

The Penrith City Local Open Space Development Contributions Plan 2007 applies anywhere residential development is permitted within the City of Penrith, excluding industrial areas and the

Certificate No. 17/01168

Lot 2B DP 161921

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

release areas identified in Appendix B of the Plan (Penrith Lakes, Cranebrook, Sydney Regional Environmental Plan No. 30 - St Marys, Waterside, Thornton, the WELL Precinct, Glenmore Park and Erskine Park). See

http://www.penrithcity.nsw.gov.au/uploadedFiles/Content/Website/Our Services/Planning and Development/Planning Zoning Information/Local Planning Documents/LocalOpenSpaceDCP(1).pdf

The Penrith City District Open Space Facilities Development Contributions Plan applies anywhere residential development is permitted within the City of Penrith, with the exclusion of industrial lands and the Penrith Lakes development site.

9A BIODIVERSITY CERTIFIED LAND

(Information is provided in this section only if the land is biodiversity certified land (within the meaning of Part 7AA of the Threatened Species Conservation Act 1995).)

10 BIOBANKING AGREEMENTS

(Information is provided in this section only if Council has been notified by the Director-General of the Department of Environment, Climate Change and Water that the land is land to which a biobanking agreement under Part 7A of the *Threatened Species Conservation Act 1995* relates.)

11 BUSH FIRE PRONE LAND

The land is not identified as bush fire prone land according to Council records.

12 PROPERTY VEGETATION PLANS

(Information is provided in this section only if Council has been notified that the land is land to which a property vegetation plan under the Native Vegetation Act 2003 applies.)

13 ORDERS UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006

(Information is provided in this section only if Council has been notified that an order has been made under the Trees (Disputes Between Neighbours) Act 2006 to carry out work in relation to a tree on the land.)

14 DIRECTIONS UNDER PART 3A

(Information is provided in this section only if there is a direction by the Minister in force under section 75P(2)(c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect.)

15 SITE COMPATIBILITY CERTIFICATES AND CONDITIONS AFFECTING SENIORS HOUSING

(Information is provided in this section only if:

Certificate No. 17/01168

Lot 2B DP 161921

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

- (a) there is a current site compatibility certificate (seniors housing), of which the council is aware, issued under State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 in respect of proposed development on the land; and/or
- (b) any terms of a kind referred to in clause 18(2) of State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land.)

16 SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE

(Information is provided in this section only if there is a valid site compatibility certificate (infrastructure), of which council is aware, in respect of proposed development on the land.)

17 SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE RENTAL HOUSING

(Information is provided in this section only if:

- (a) there is a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land; and/or
- (b) any terms of a kind referred to in clause 17(1) or 37(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 have been imposed as a condition of consent to a development application in respect of the land.)

18 PAPER SUBDIVISION INFORMATION

(Information is provided in this section only if a development plan adopted by a relevant authority applies to the land or is proposed to be subject to a consent ballot, or a subdivision order applies to the land.)

19 SITE VERIFICATION CERTIFICATES

(Information is provided in this section only if there is a current site verification certificate, of which council is aware, in respect of the land.)

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

- (a) (Information is provided in this section only if, as at the date of this certificate, the land (or part of the land) is significantly contaminated land within the meaning of the Contaminated Land Management Act 1997.)
- (b) (Information is provided in this section only if, as at the date of this certificate, the land is subject to a management order within the meaning of the Contaminated Land Management Act 1997.)

Civic Centre 601 High Street, Penrith

PO Box 60 Penrith NSW 2751

Telephone: 02 4732 7777 Facsimile: 02 4732 7958

Email: pencit@penrithcity.nsw.gov.au

PLANNING CERTIFICATE UNDER SECTION 149

Environmental Planning and Assessment Act, 1979

- (c) (Information is provided in this section only if, as at the date of this certificate, the land is the subject of an approved voluntary management proposal within the meaning of the Contaminated Land Management Act 1997.)
- (d) (Information is provided in this section only if, at the date of this certificate, the land subject to an ongoing maintenance order within the meaning of the Contaminated Land Management Act 1997.)
- (e) (Information is provided in this section only if the land is the subject of a site audit statement within the meaning of the Contaminated Land Management Act 1997 a copy of which has been provided to Council.)

Note: Section 149(5) information for this property may contain additional information regarding contamination issues.

Note: The Environmental Planning and Assessment Amendment Act 1997 commenced operation on the 1 July 1998. As a consequence of this Act the information contained in this certificate needs to be read in conjunction with the provisions of the Environmental Planning and Assessment (Amendment) Regulation 1998, Environmental Planning and Assessment (Further Amendment) Regulation 1998 and Environmental Planning and Assessment (Savings and Transitional) Regulation 1998 and Environmental Planning and Assessment Regulation 2000.

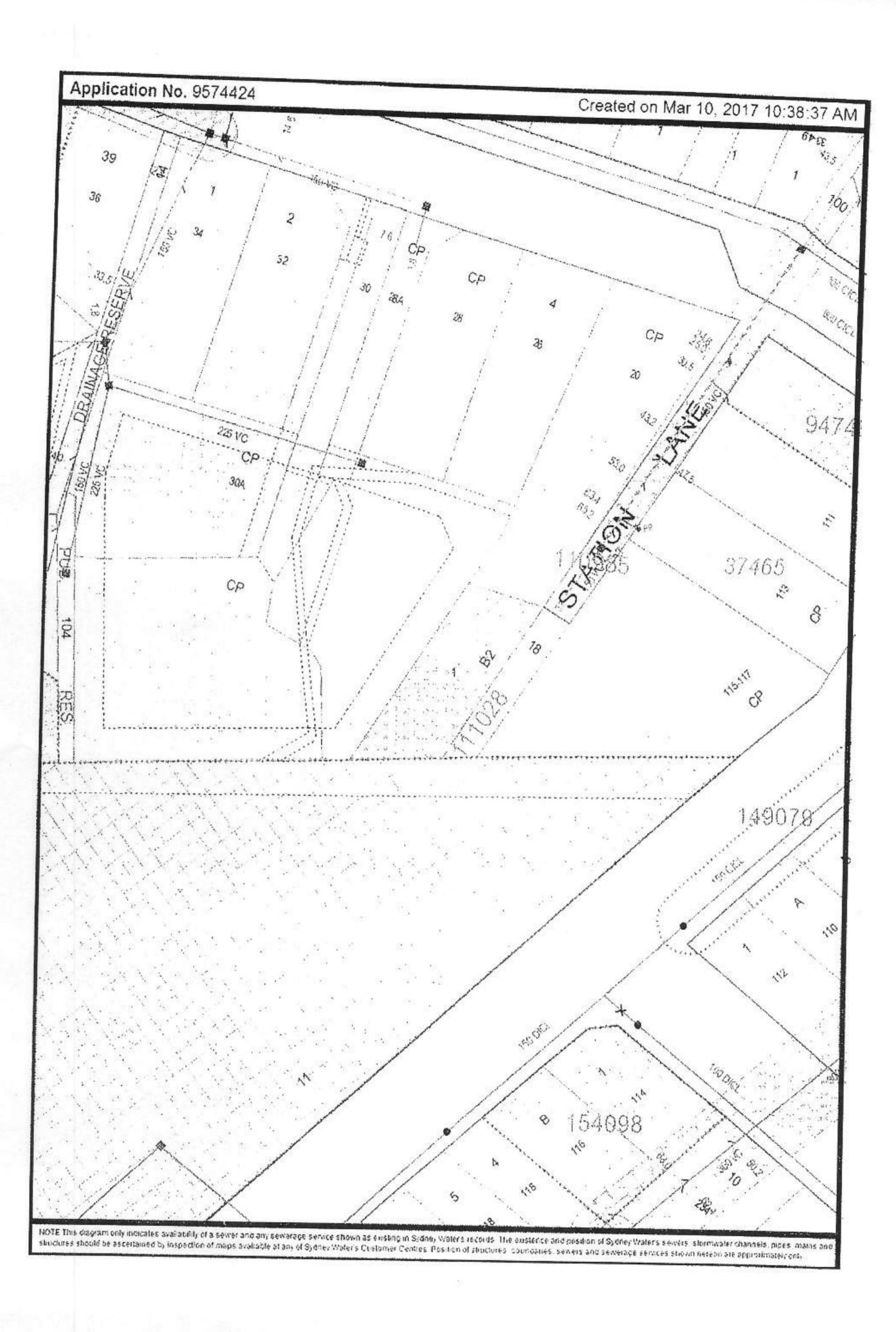
Information is provided only to the extent that Council has been notified by the relevant government departments.

Note: This is a certificate under section 149(2) of the Environmental Planning and Assessment Act, 1979 and is only provided in accordance with that section of the Act.

Further information relating to the subject property can be provided under section 149(5) of the Act. If such further information is required Council indicates that a full certificate under sections 149(2) and 149(5) should be applied for. Contact Council for details as to obtaining the additional information.

Alan Stoneham General Manager

Per



Site: 1 Station Lane, Penrith NSW

Page 67 of 74

APPENDIX F: SITE PHOTOGRAPHS

© Benviron Group

SITE PHOTOGRAPHS

Client:	Station Lane Pty Ltd ATF The Station Lane Trust
Project:	PSI
Site Location:	1 Station Lane, Penrith NSW
Job No.:	E1857



Photo 1



View of the front of the site Looking northwest Inspected 05.06.2018

Photo 3



View of the southern side of the property Looking west Inspected 05.06.2018

Photo 5



View of the western side of the property Looking northeast Inspected 05.06.2018

Photo 2



View of the front yard of the the site Looking northeast Inspected 05.06.2018

Photo 4



View of the backyard of the property Looking southwest Inspected 05.06.2018

Photo 6



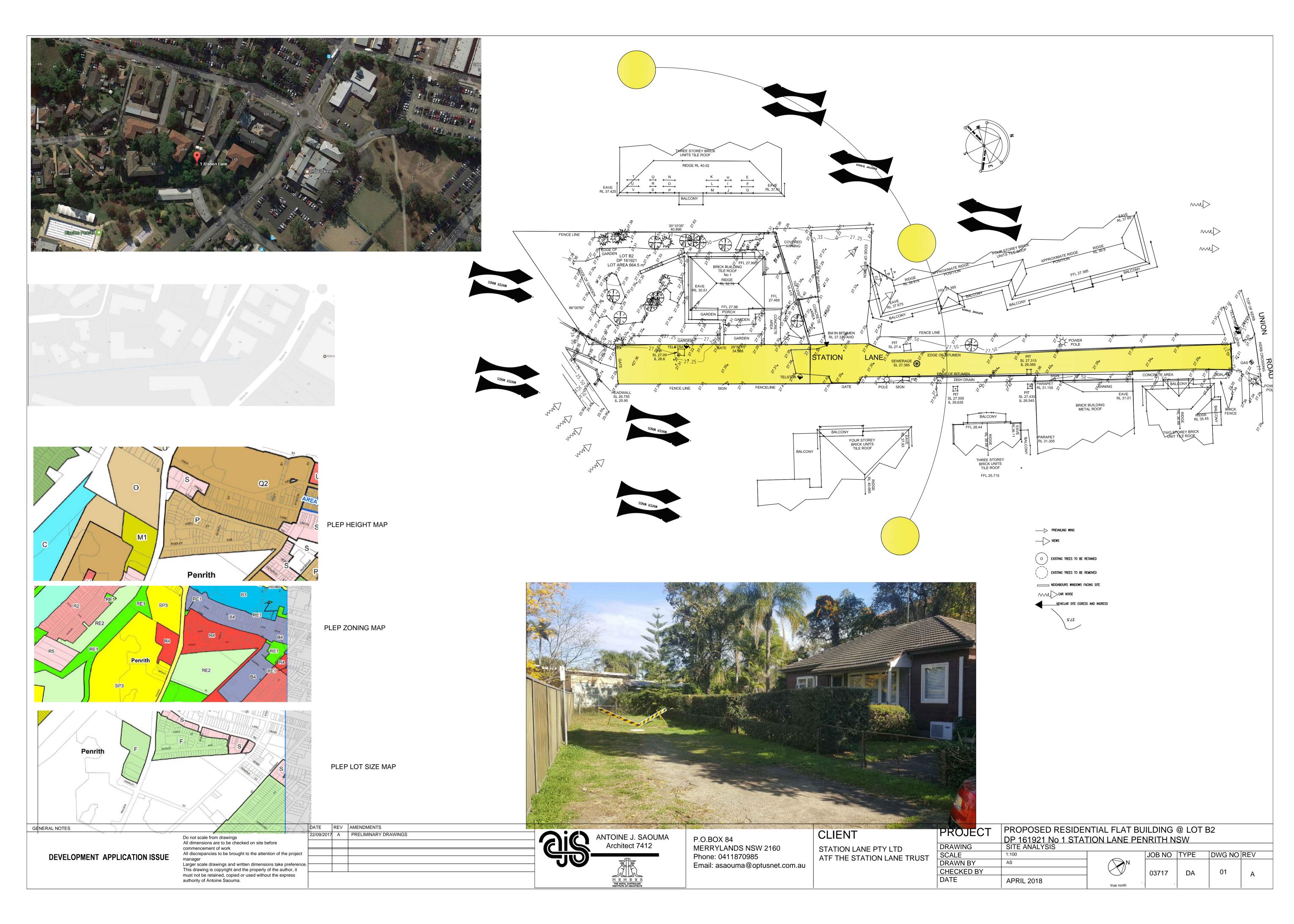
View of the courtyard at the rear of the property Looking north Inspected 05.06.2018

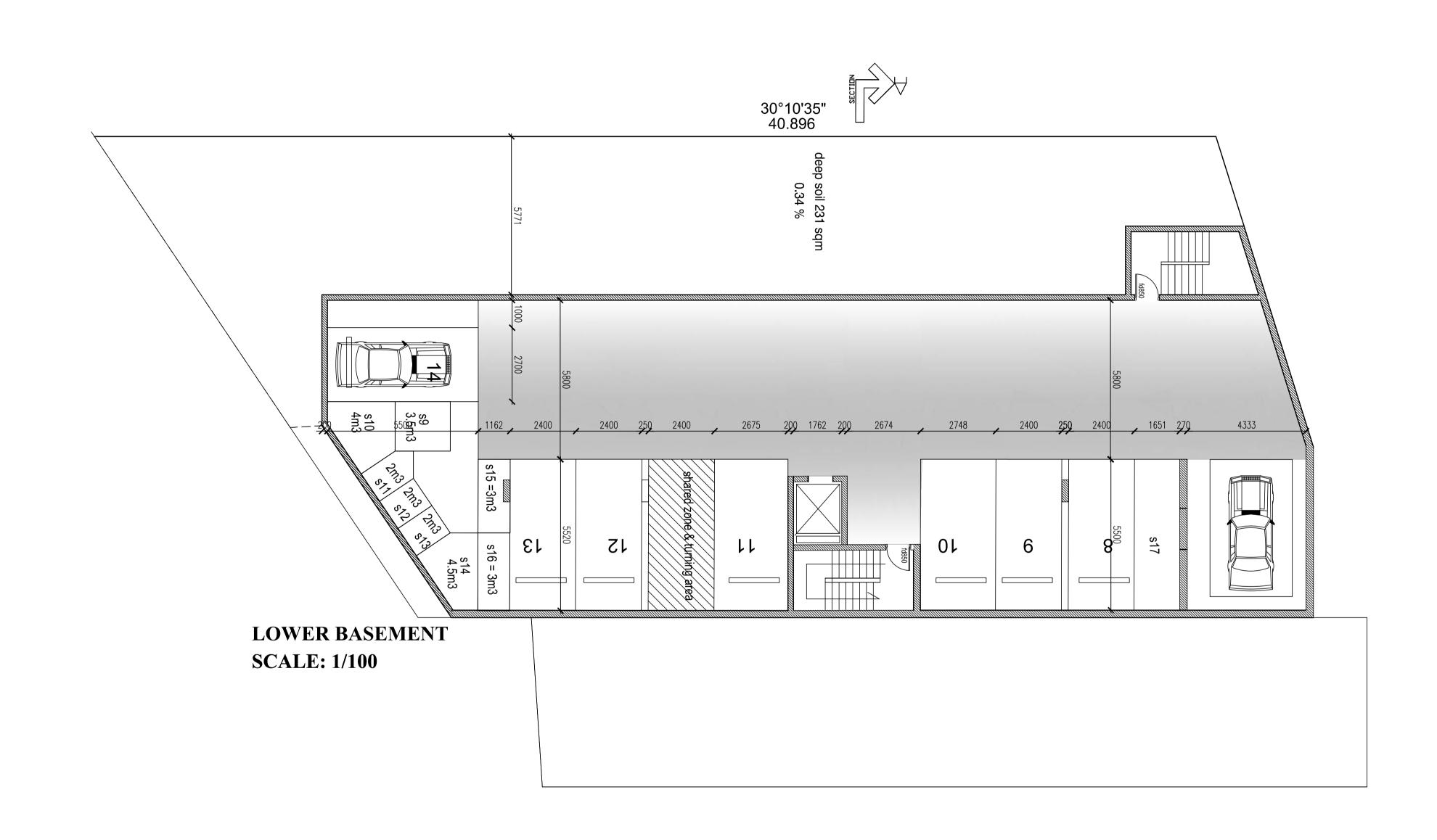
Site: 1 Station Lane, Penrith NSW

Page 68 of 74

APPENDIX G: PROPOSED DEVELOPMENT PLANS

© Benviron Group





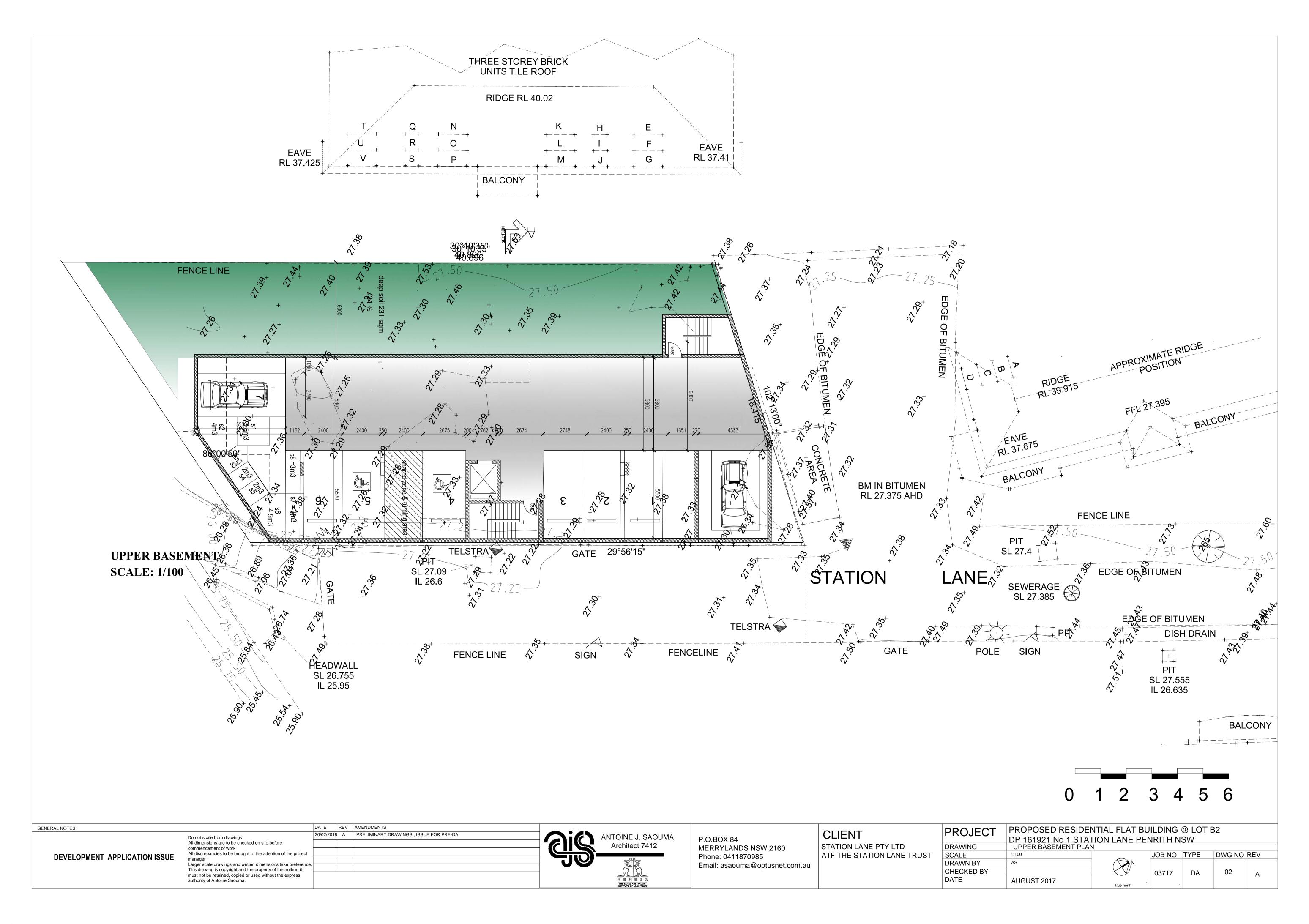
03717

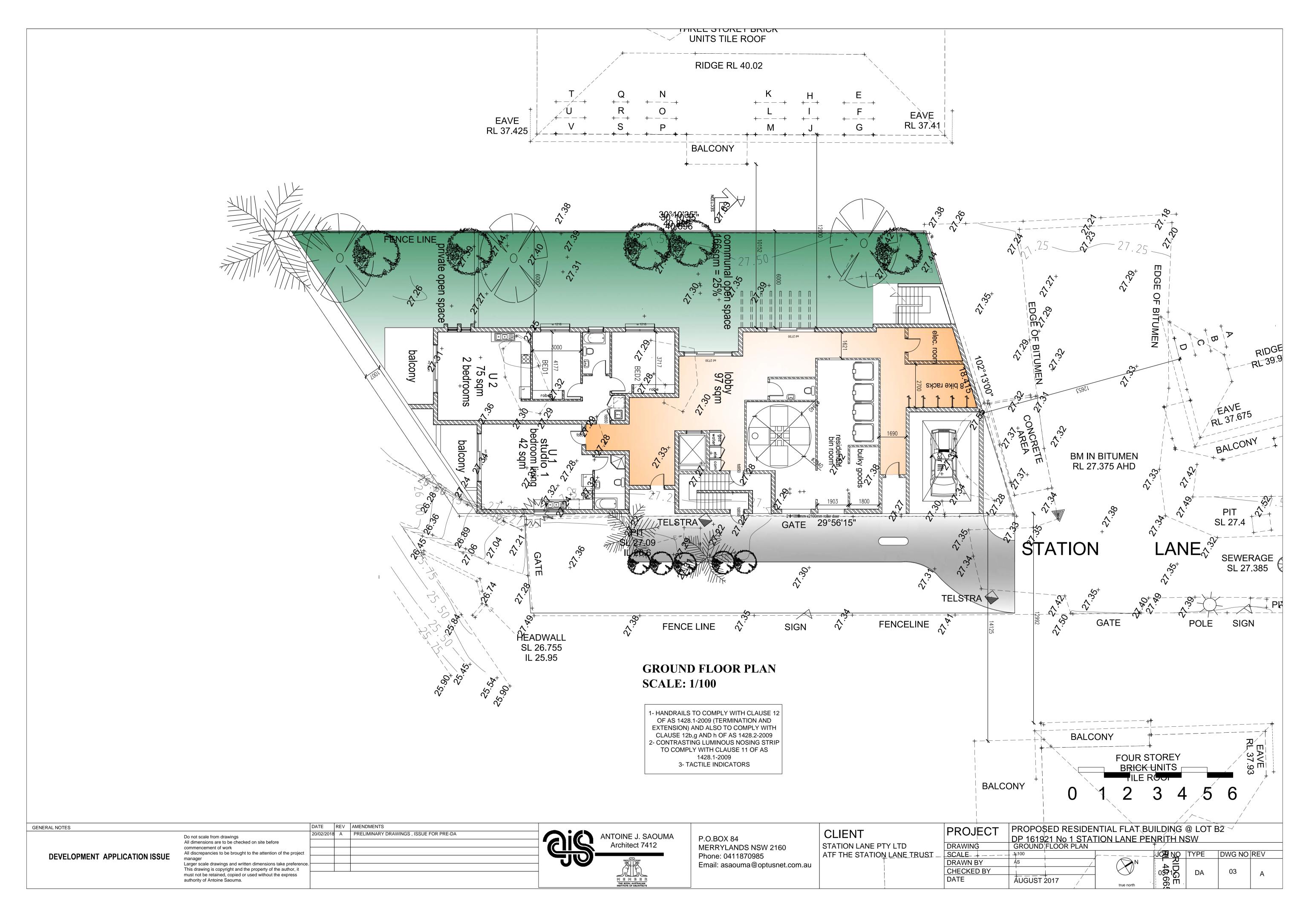
JOB NO TYPE DWG NO REV

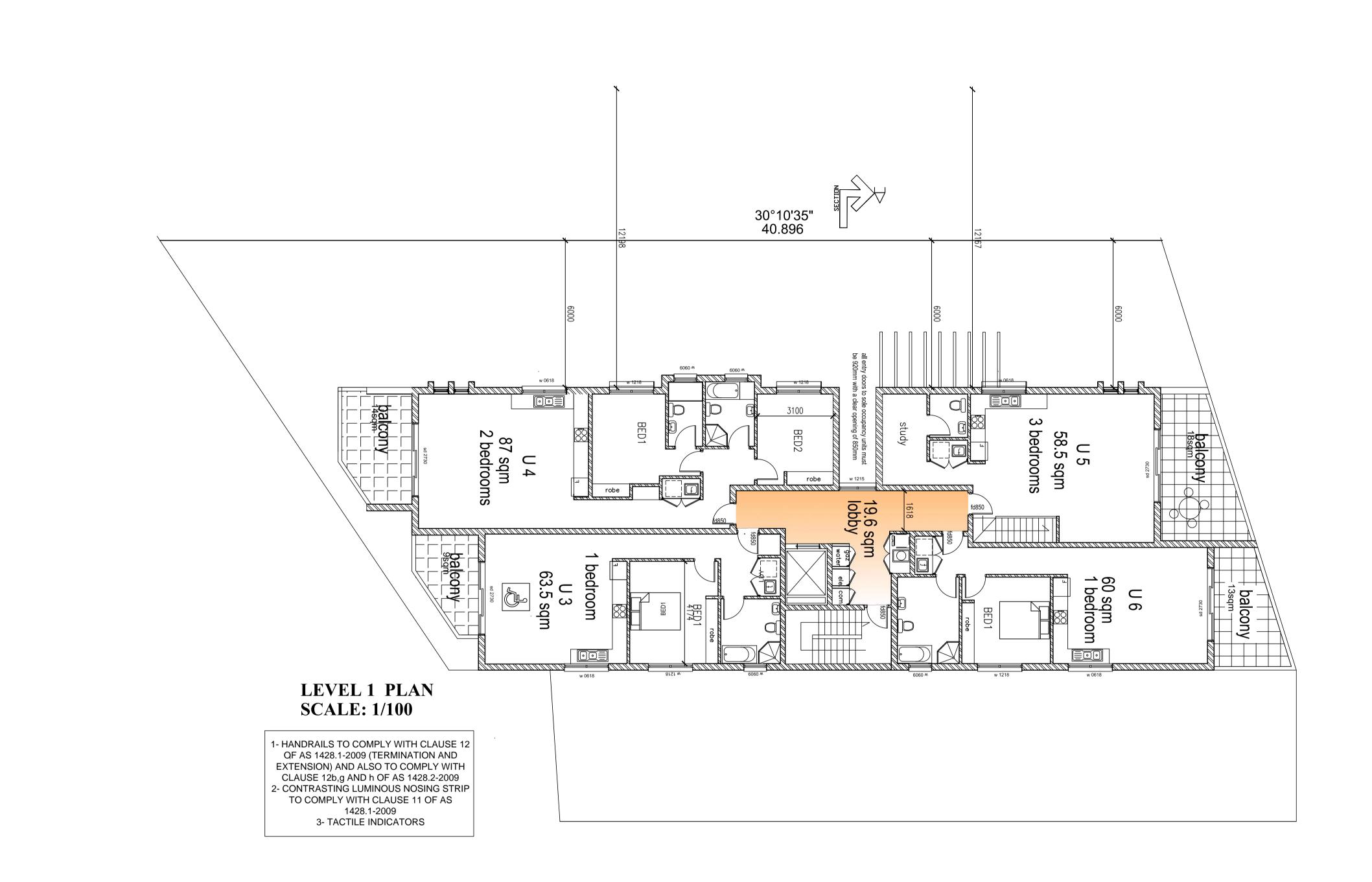
DA

01

DATE REV AMENDMENTS PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2 **GENERAL NOTES** PROJECT CLIENT 20/02/2018 A PRELIMINARY DRAWINGS , ISSUE FOR PRE-DA ANTOINE J. SAOUMA DP 161921 No 1 STATION LANE PENRITH NSW LOWER BASEMENT PLAN Do not scale from drawings All dimensions are to be checked on site before P.O.BOX 84 Architect 7412 STATION LANE PTY LTD DRAWING MERRYLANDS NSW 2160 commencement of work SCALE ATF THE STATION LANE TRUST All discrepancies to be brought to the attention of the project Phone: 0411870985 1:100 DEVELOPMENT APPLICATION ISSUE DRAWN BY Email: asaouma@optusnet.com.au Larger scale drawings and written dimensions take preference This drawing is copyright and the property of the author, it must not be retained, copied or used without the express CHECKED BY DATE AUGUST 2017 authority of Antoine Saouma.







PARAPET RL 31.305 0 1 2 3 4 5 6

DEVELOPMENT APPLICATION ISSUE

Do not scale from drawings
All dimensions are to be checked on site before commencement of work
All discrepancies to be brought to the attention of the project manager
Larger scale drawings and written dimensions take preference. This drawing is copyright and the property of the authori, it must not be retained, copied or used without the express authority of Antoine Saouma.

DATE REV AMENDMENTS

20/02/2018 A PRELIMINARY DRAWINGS, ISSUE FOR PRE-DA

A PRELIMINARY DRAWINGS, ISSUE FOR PRE-DA

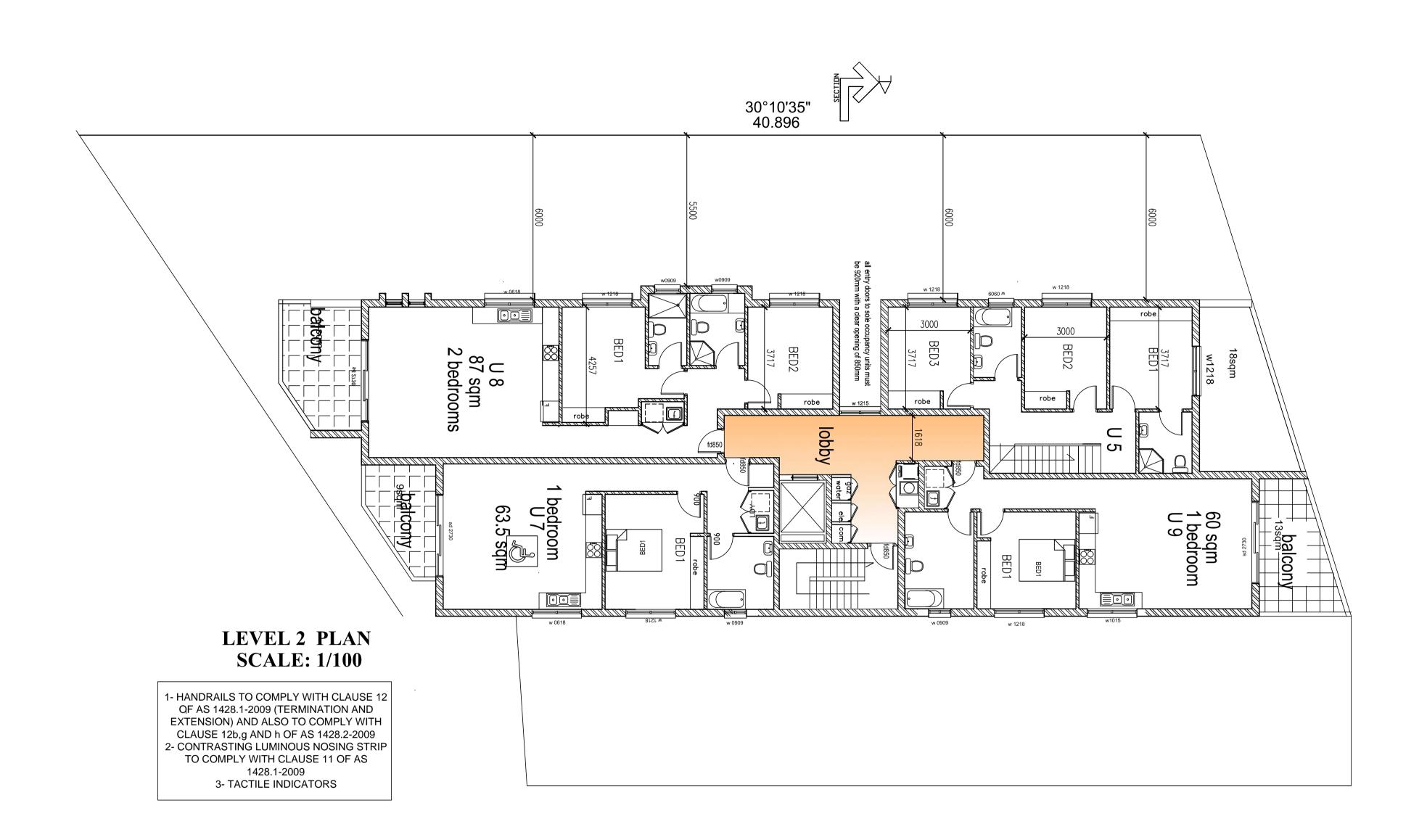
ANTOINE J. SAOUMA Architect 7412

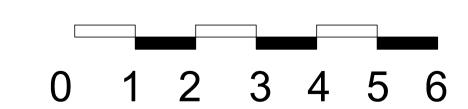
ANTOINE J. SAOUMA Architect 7412

P.O.BOX 84
MERRYLANDS NSW 2160
Phone: 0411870985
Email: asaouma@optusnet.com.au

CLIENT
STATION LANE PTY LTD
ATF THE STATION LANE TRUST

PROJECT	PROPOSED RESIDEN	NTIAL FLAT BU	ILDING	@ LOT E	32	
I KOOLO I	DP 161921 No 1 STAT	TION LANE PEN	NRITH N	SW		
DRAWING	LEVEL 1 PLAN					
SCALE	1:100		JOB NO	TYPE	DWG NO	REV
DRAWN BY	AS	N				
CHECKED BY			03717	DA	04	A
DATE	AUGUST 2017	true porth				





GENERAL NOTES

DEVELOPMENT APPLICATION ISSUE

Do not scale from drawings All dimensions are to be checked on site before commencement of work All discrepancies to be brought to the attention of the project Larger scale drawings and written dimensions take preference. This drawing is copyright and the property of the author, it must not be retained, copied or used without the express authority of Antoine Saouma.

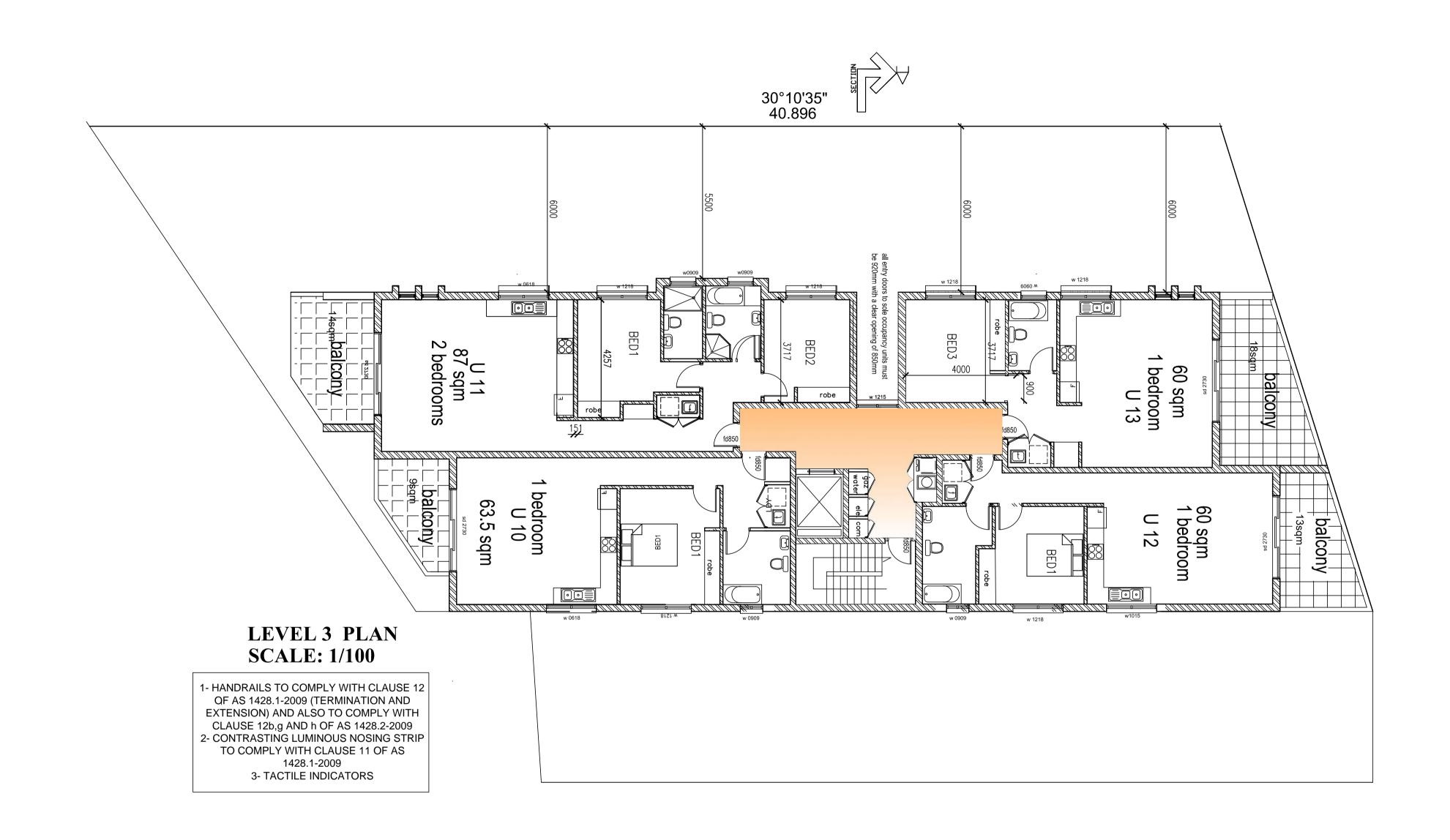
	DATE	KEV	AMENDMEN 15	_
	20/02/2018	Α	PRELIMINARY DRAWINGS , ISSUE FOR PRE-DA	
e.				

ANTOINE J. SAOUMA P.O.BOX 84 Architect 7412 MERRYLANDS NSW 2160 Phone: 0411870985 Email: asaouma@optusnet.com.au

CLIENT STATION LANE PTY LTD ATF THE STATION LANE TRUST

DRAWING SCALE DRAWN BY

PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2 PROJECT DP 161921 No 1 STATION LANE PENRITH NSW LEVEL 2 PLAN JOB NO TYPE DWG NO REV 1:100 CHECKED BY 05 03717 DA DATE AUGUST 2017



0 1 2 3 4 5 6

03717

DA

06

GENERAL NOTES

DEVELOPMENT APPLICATION ISSUE

Do not scale from drawings

All dimensions are to be checked on site before
commencement of work

All discrepancies to be brought to the attention of the project
manager

Larger scale drawings and written dimensions take preference.

This drawing is copyright and the property of the author, it
must not be retained, copied or used without the express
authority of Antoine Saouma.

DATE REV AMENDMENTS

20/02/2018 A PRELIMINARY DRAWINGS , ISSUE FOR PRE-DA

ence.

ANTOINE J. SAOUMA Architect 7412

P.O.BOX 84
MERRYLANDS NSW 2160
Phone: 0411870985
Email: asaouma@optusnet.com.au

CLIENT
STATION LANE PTY LTD
ATF THE STATION LANE TRUST

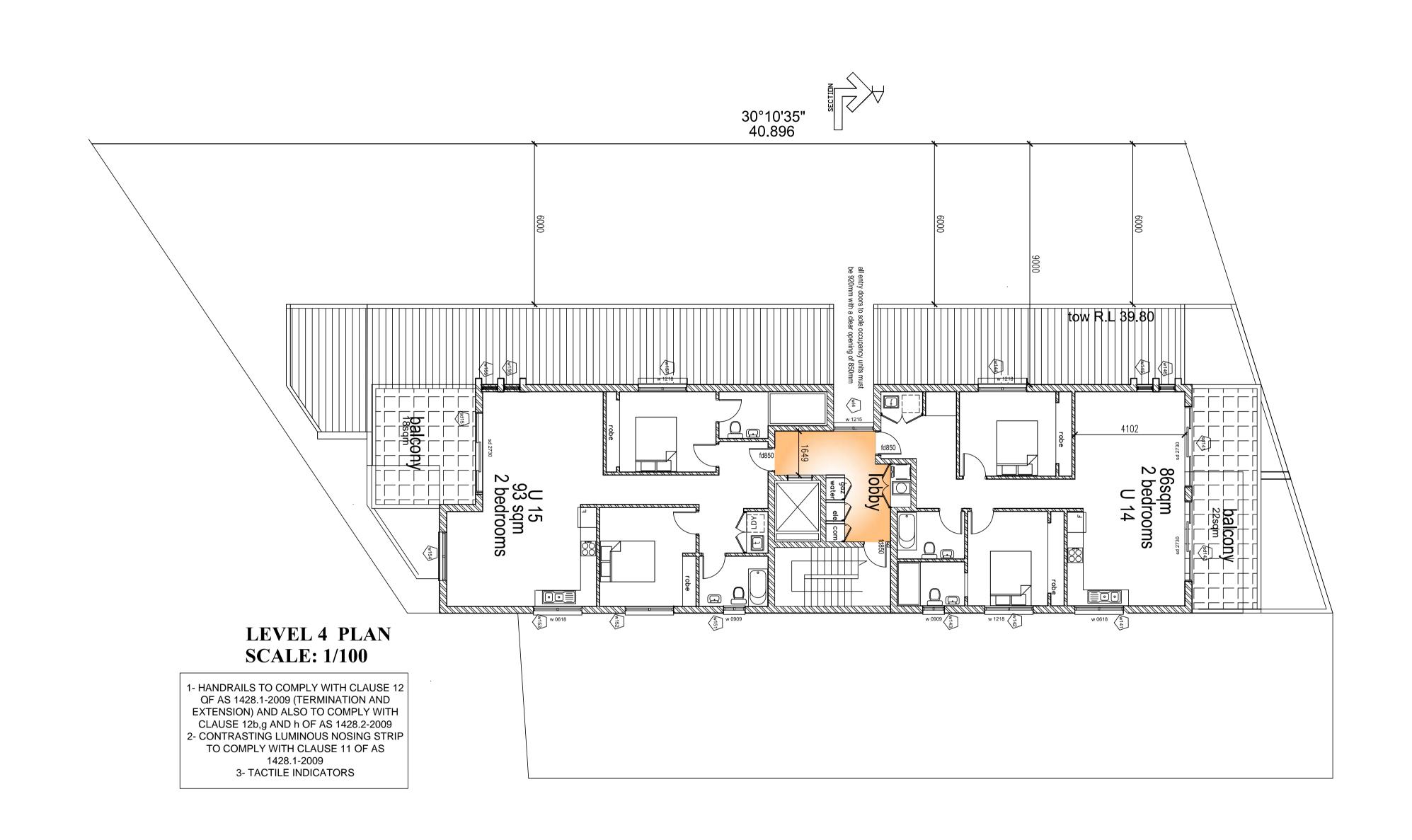
DRAWING
SCALE
DRAWN BY
CHECKED BY
DATE

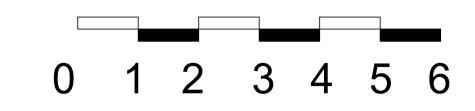
PROJECT PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2
DP 161921 No 1 STATION LANE PENRITH NSW

DRAWING LEVEL 3 PLAN

SCALE 1:100
DRAWN BY AS JOB NO TYPE DWG NO REV

AUGUST 2017





GENERAL NOTES

DEVELOPMENT APPLICATION ISSUE

Do not scale from drawings
All dimensions are to be checked on site before commencement of work All discrepancies to be brought to the attention of the project Larger scale drawings and written dimensions take preference. This drawing is copyright and the property of the author, it must not be retained, copied or used without the express authority of Antoine Saouma.

	DATE	REV	AMENDMENTS	
	20/02/2018	Α	PRELIMINARY DRAWINGS , ISSUE FOR PRE-DA	
				6116
t				
ce.				

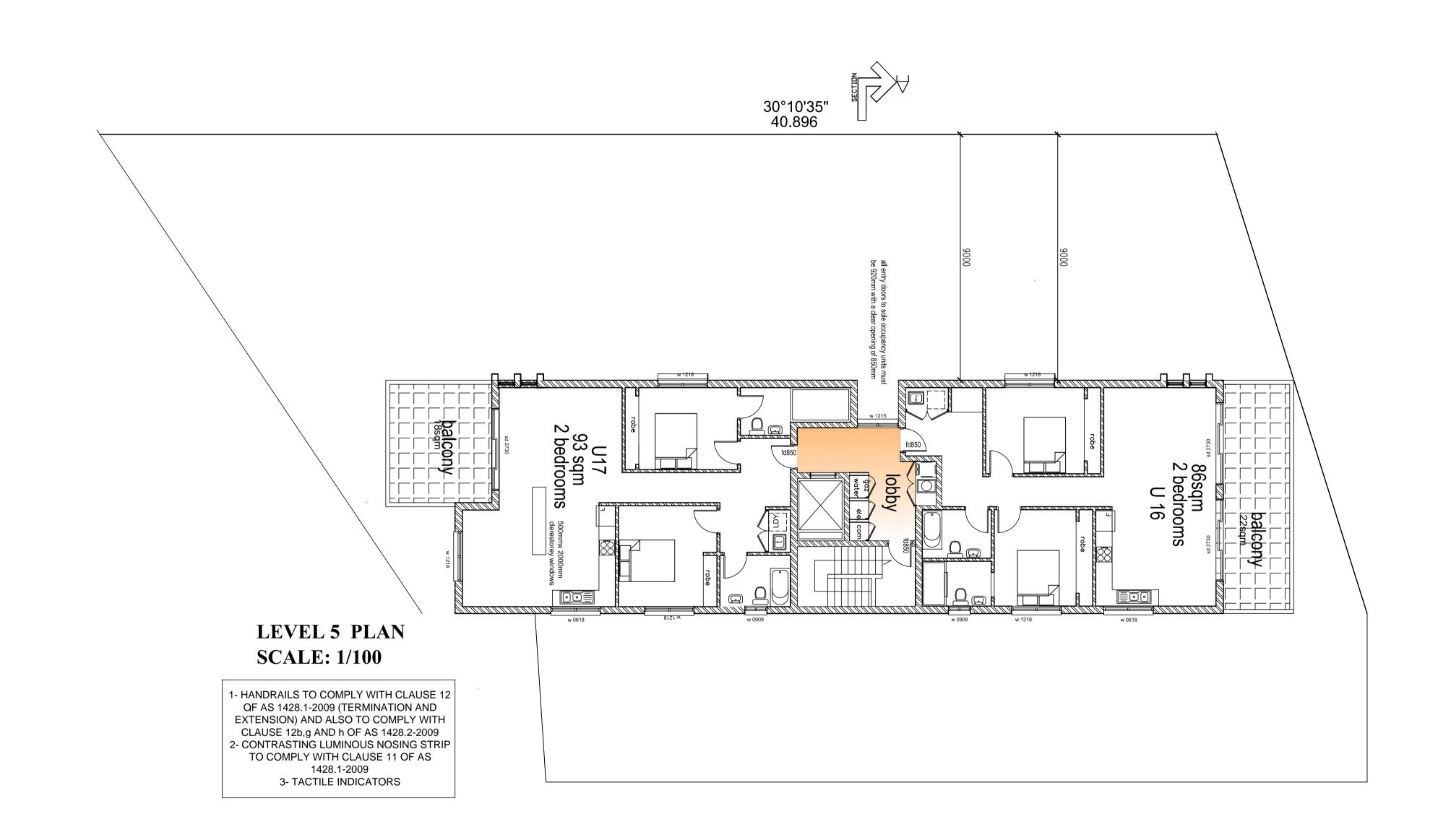
ANTOINE J. SAOUMA P.O.BOX 84 MERRYLANDS NSW 2160 Phone: 0411870985 Email: asaouma@optusnet.com.au

Architect 7412

CLIENT STATION LANE PTY LTD ATF THE STATION LANE TRUST

PROJECT	PROPOSED RESIDE	NTIAL FLAT BU	ILDING	@ LOT E	32
TROOLOT	DP 161921 No 1 STAT	TION LANE PEN	NRITH N	SW	
DRAWING	LEVEL 4 PLAN				
SCALE	1:100		JOB NO	TYPE	DW
DRAWN BY	AS	N			
01150175557		1 (/ / / /			

TH NSW B NO TYPE DWG NO REV CHECKED BY 07 03717 DA DATE AUGUST 2017



0 1 2 3 4 5 6

GENERAL NOTES

DEVELOPMENT APPLICATION ISSUE

Do not scale from drawings
All dimensions are to be checked on site before
commencement of work
All discrepancies to be brought to the attention of the project
manager
Larger scale drawings and written dimensions take preference.
This drawing is copyright and the property of the author, it
must not be retained, copied or used without the express
authority of Antoine Saouma.

	DATE	REV	AMENDMENTS	
	20/02/2018	Α	PRELIMINARY DRAWINGS , ISSUE FOR PRE-DA	
				' 611
e.				

ANTOINE J. SAOUMA
Architect 7412

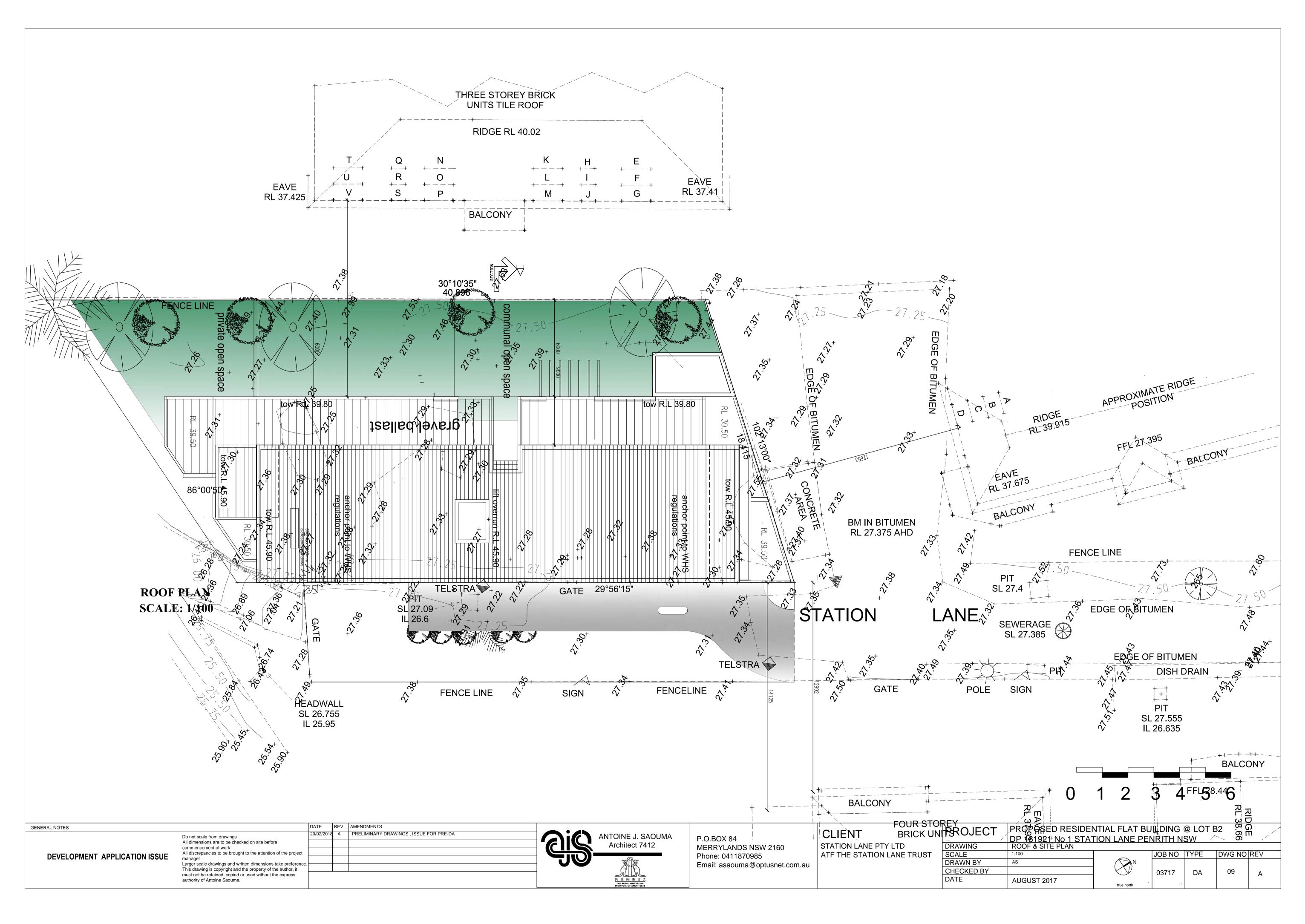
P.O.I
MER
Phon
Emai

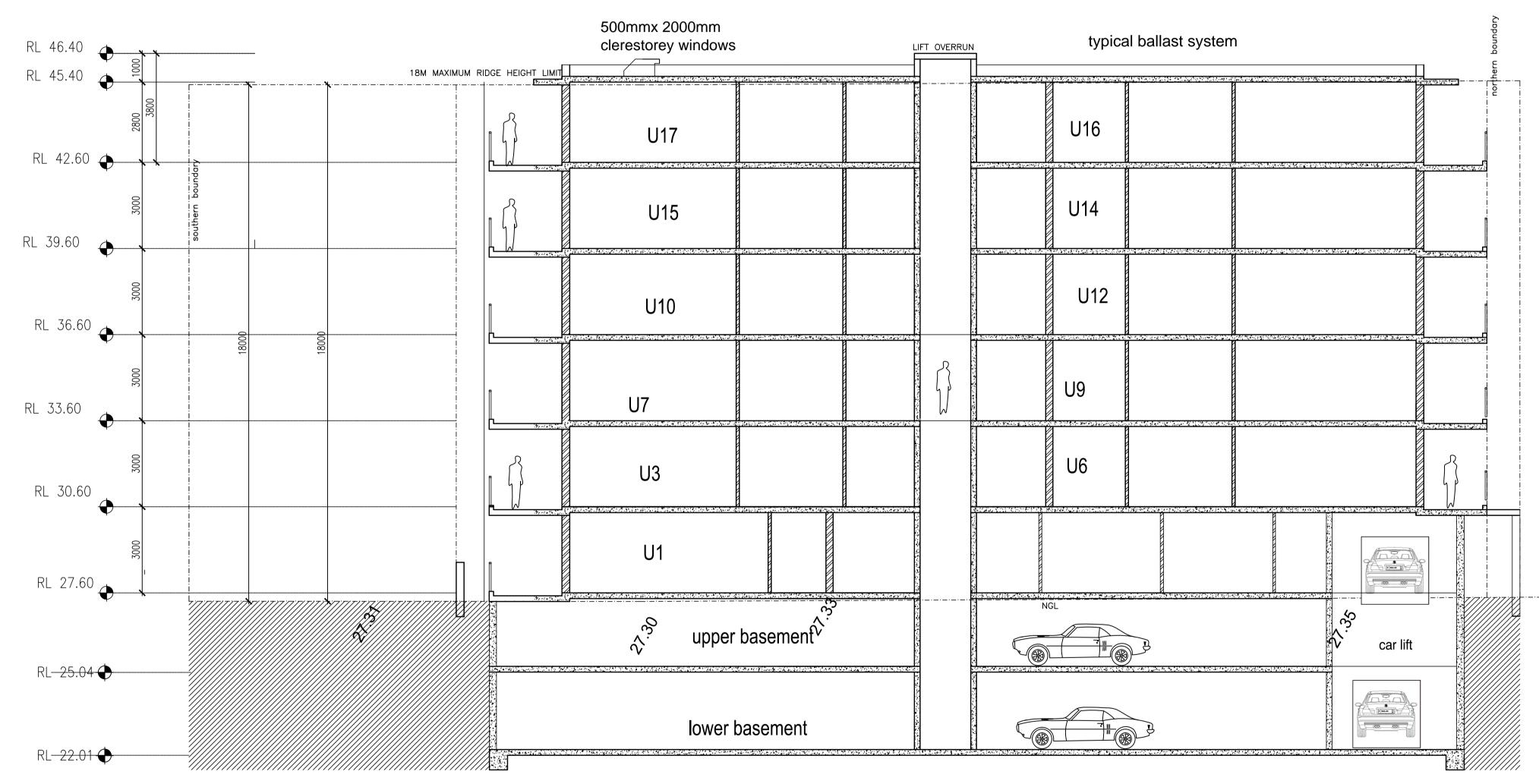
P.O.BOX 84

MERRYLANDS NSW 2160
Phone: 0411870985
Email: asaouma@optusnet.com.au

CLIENT
STATION LANE PTY LTD
ATF THE STATION LANE TRUST

PROJECT PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2							
I KOOLOT	DP 161921 No 1 STAT	TION LANE PE	NRITH N	SW			
DRAWING	LEVEL 5 PLAN						
SCALE	1:100		JOB NO	TYPE	DWG NO	REV	
DRAWN BY	AS	N					
CHECKED BY			03717	DA	08	Δ	
DATE	AUGUST 2017	true north	,				



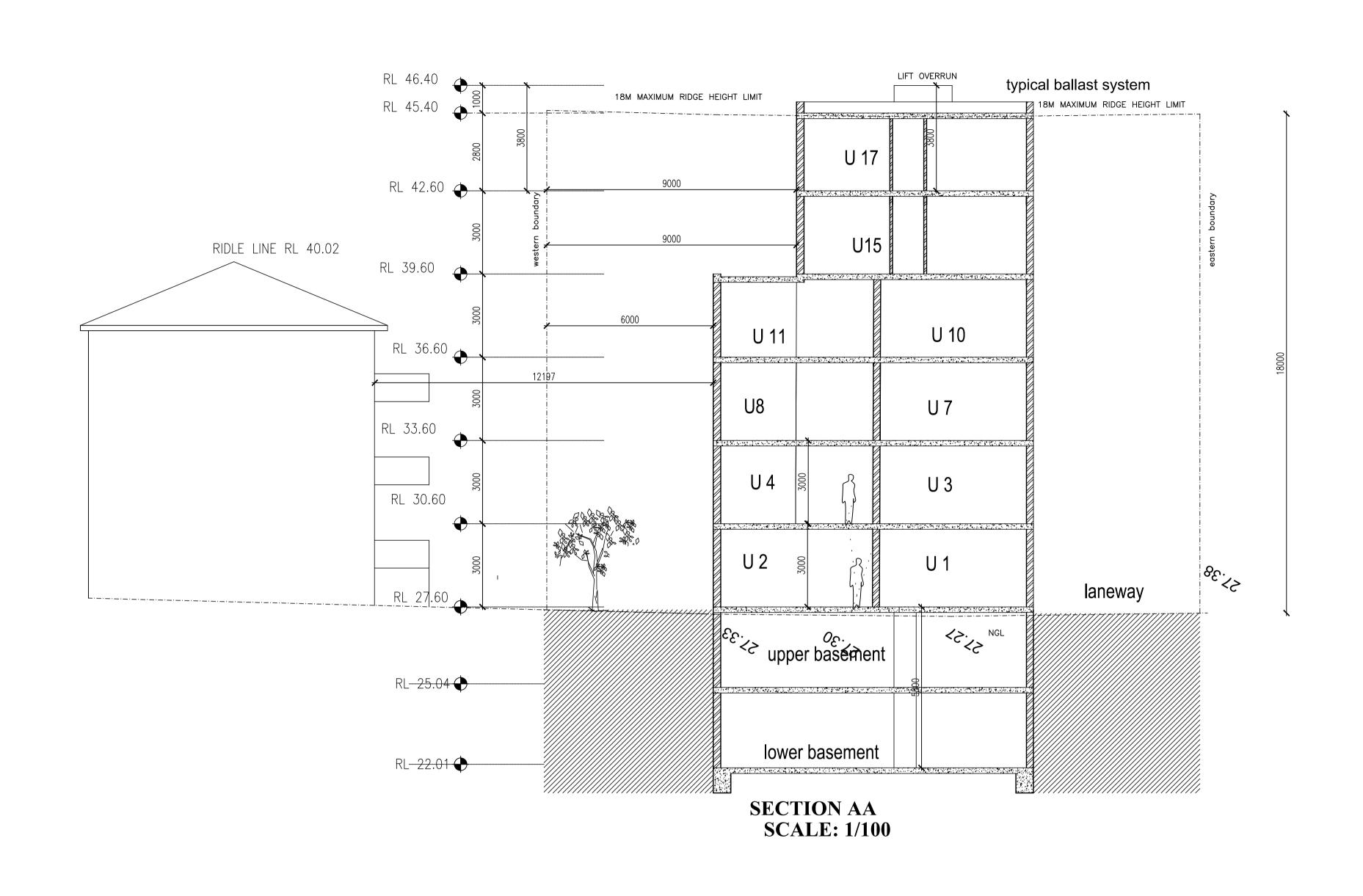


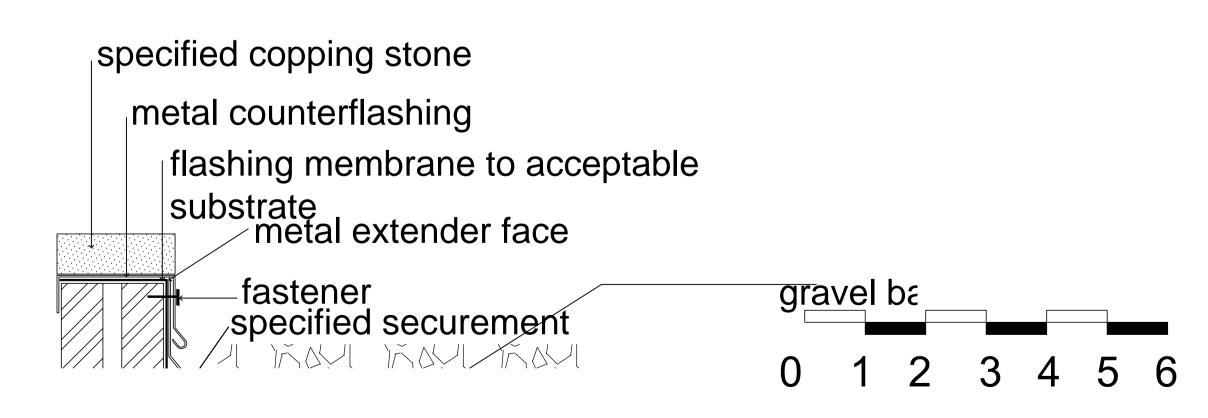
RIDLE LING RL 39.9

SECTION BB SCALE: 1/100

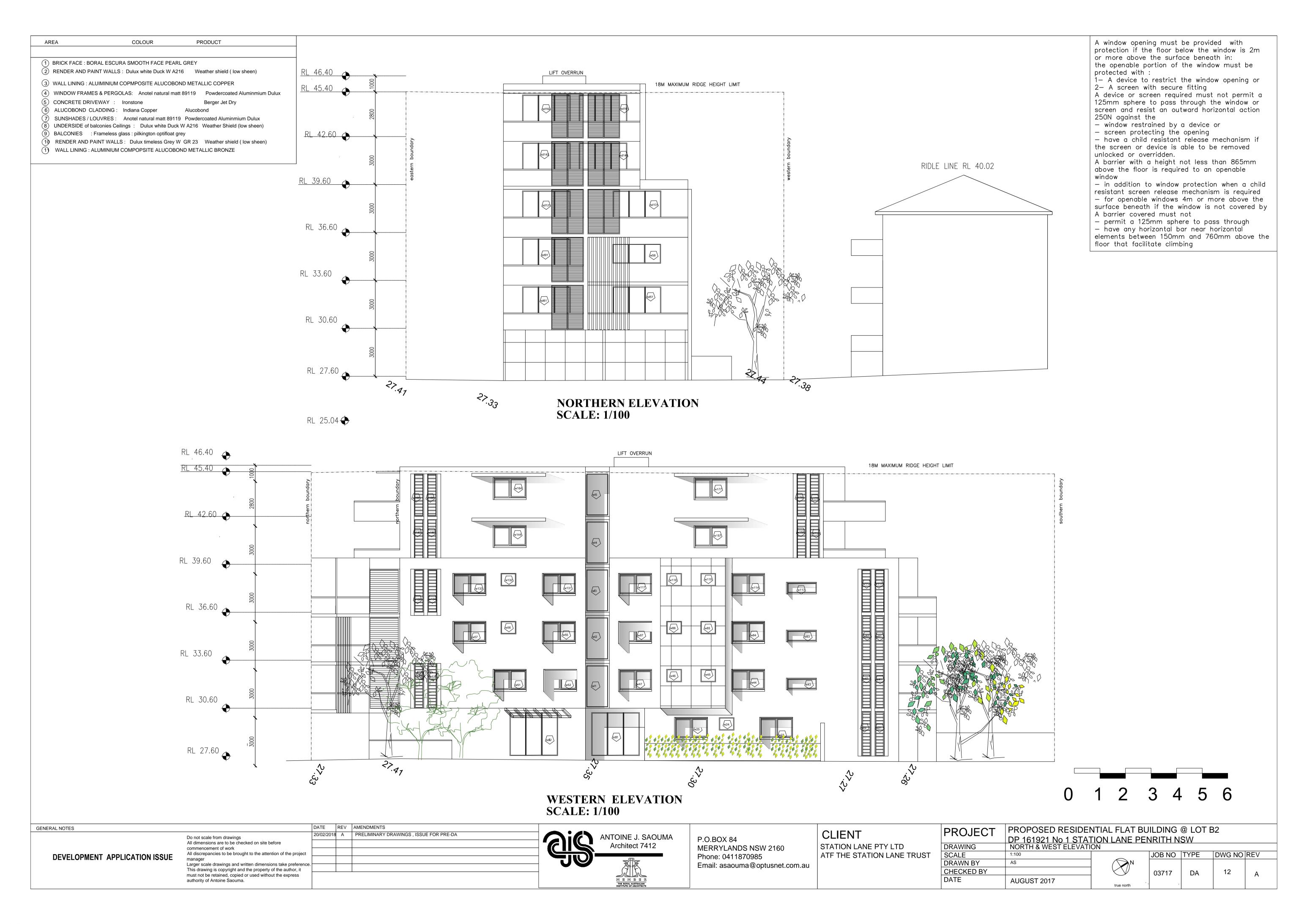
0 1 2 3 4 5 6

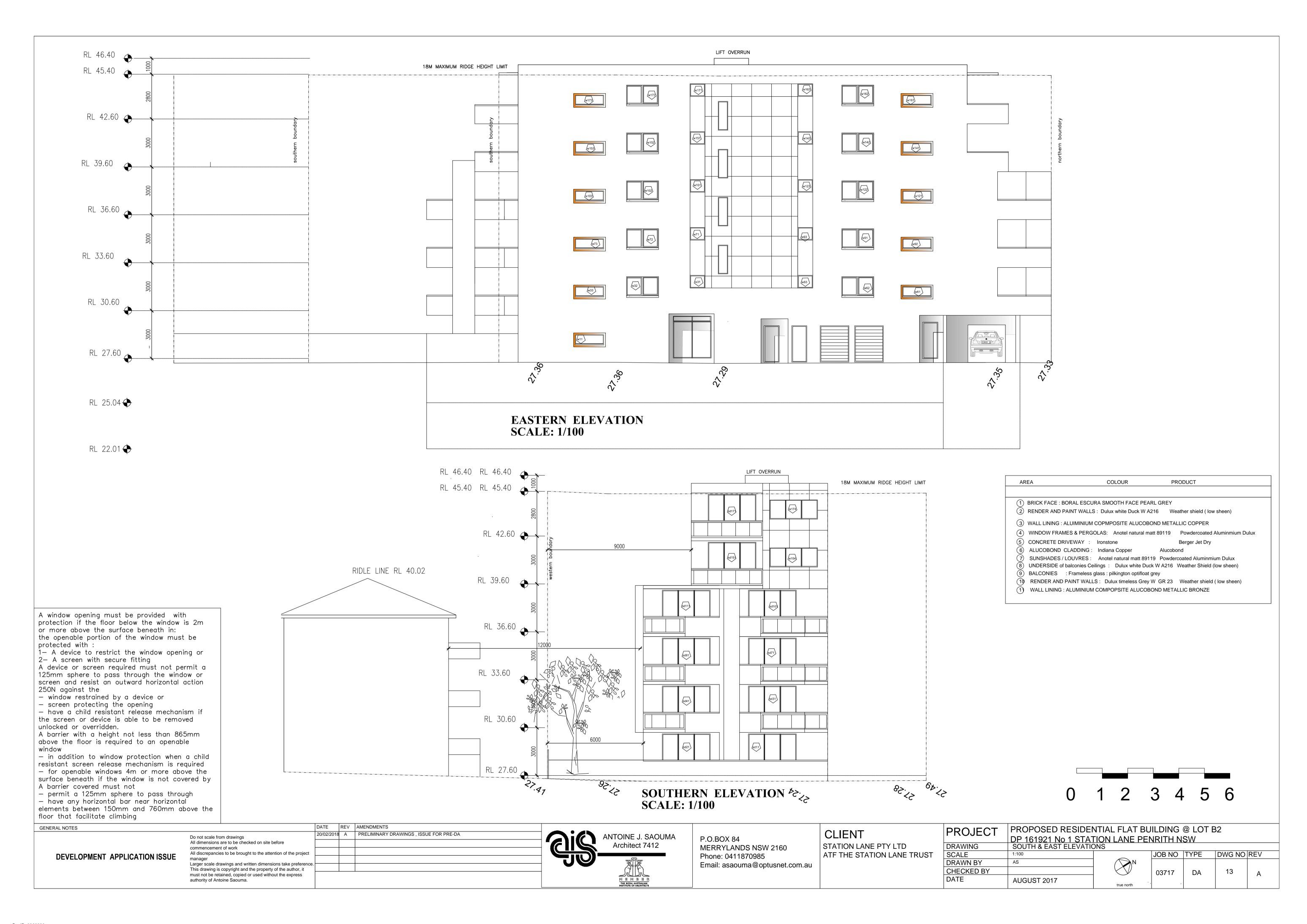
DATE REV AMENDMENTS PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2 GENERAL NOTES PROJECT CLIENT 20/02/2018 A PRELIMINARY DRAWINGS , ISSUE FOR PRE-DA ANTOINE J. SAOUMA Architect 7412 DP 161921 No 1 STATION LANE PENRITH NSW
SECTION BB Do not scale from drawings P.O.BOX 84 All dimensions are to be checked on site before STATION LANE PTY LTD DRAWING MERRYLANDS NSW 2160 commencement of work SCALE ATF THE STATION LANE TRUST All discrepancies to be brought to the attention of the project JOB NO TYPE DWG NO REV Phone: 0411870985 1:100 DEVELOPMENT APPLICATION ISSUE DRAWN BY Email: asaouma@optusnet.com.au Larger scale drawings and written dimensions take preference CHECKED BY This drawing is copyright and the property of the author, it 10 03717 DA must not be retained, copied or used without the express DATE AUGUST 2017 authority of Antoine Saouma.

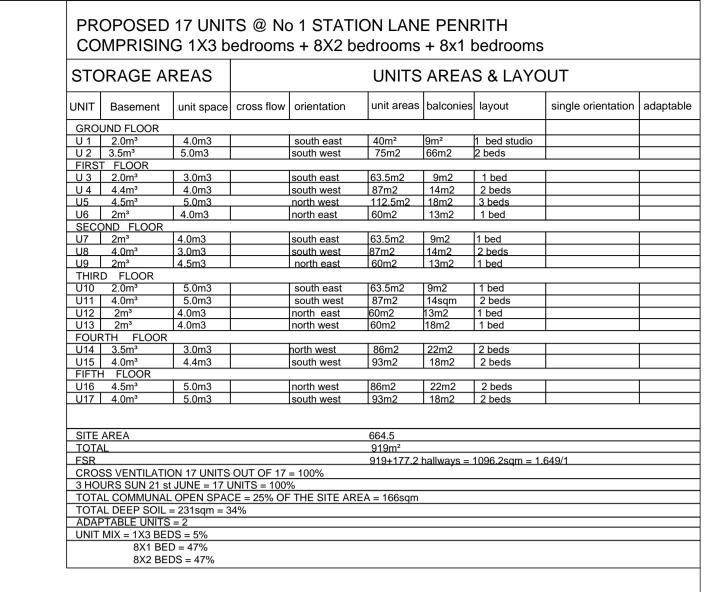


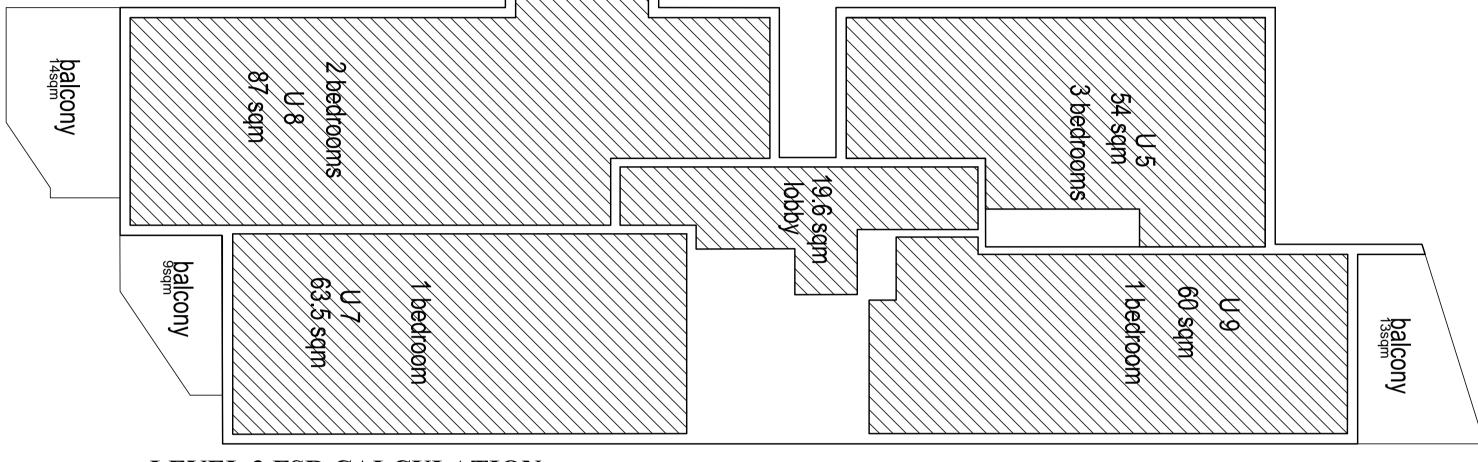


GENERAL NOTES		DATE R	EV AMENDMENTS			a	DDO IECT	PROPOSED RESIDENT	IAI FLAT BI	III DING @ I O	T B2	
	Do not scale from drawings	20/02/2018	A PRELIMINARY DRAWINGS , ISSUE FOR PRE-DA	ANTOINE J. SAOUMA	P.O.BOX 84	CLIENT		DP 161921 No 1 STATIC			1 02	
	All dimensions are to be checked on site before commencement of work All discrepancies to be brought to the attention of the project manager Larger scale drawings and written dimensions take preference This drawing is copyright and the property of the author, it must not be retained, copied or used without the express			Architect 7412 MER Phon Emai	MERRYLANDS NSW 2160	STATION LANE PTY LTD ATF THE STATION LANE TRUST	DRAWING	G SECTION AA				
DEVELOPMENT APPLICATION ISSUE		-					SCALE	1:100		JOB NO TYPE	DWG NO	ノ REV
							DRAWN BY	AS	N			
							CHECKED BY			03717 DA	11	Δ
	authority of Antoine Saouma.			MEMBER THE ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS			DATE	AUGUST 2017	true north			

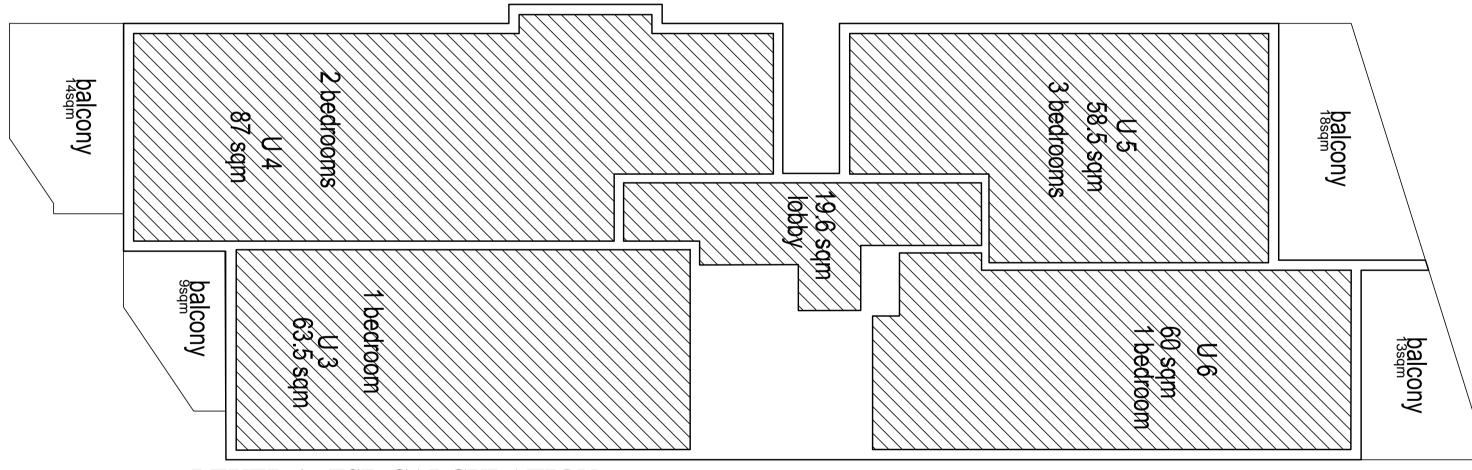






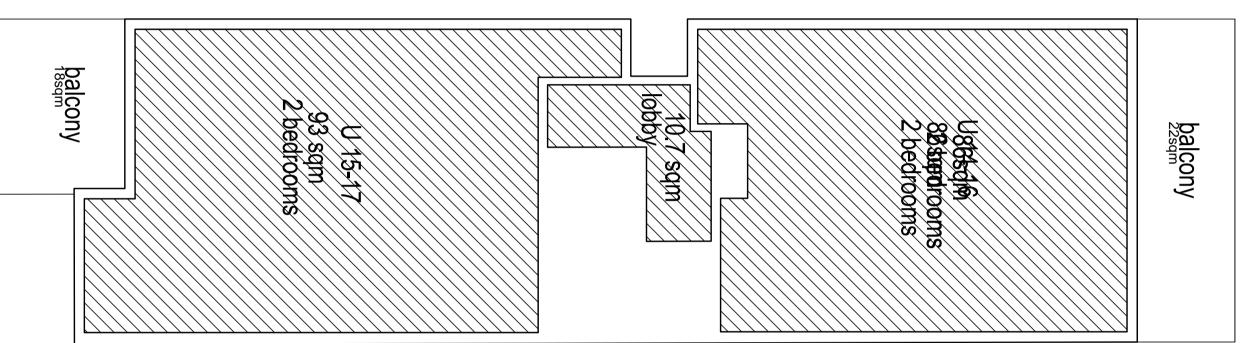


LEVEL 2 FSR CALCULATION scale 1/100 TOTAL UNIT AREAS = 264.5 SQM TOTAL CIRCULATION AREAS = 19.6 SQM TOTAL = 284.1SQM

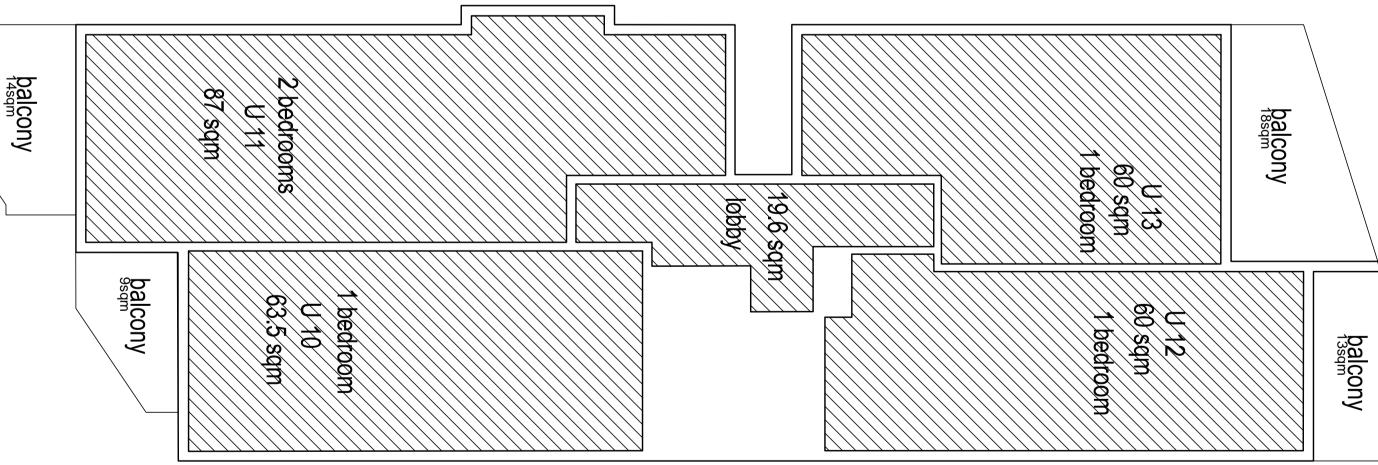


LEVEL 1 FSR CALCULATION scale 1/100 TOTAL UNIT AREAS = 269 SQM TOTAL CIRCULATION AREAS = 19.6 SQM TOTAL = 288.6SQM

authority of Antoine Saouma.



LEVEL 4 & 5 FSR CALCULATION scale 1/100 TOTAL UNIT AREAS = 179 X 2 = 358sqm TOTAL CIRCULATION AREAS = 10.7X 2 = 21.4SQM TOTAL = 379.4 SQM



LEVEL 3 FSR CALCULATION scale 1/100 TOTAL UNIT AREAS = 270.5 SQM TOTAL CIRCULATION AREAS = 19.6 SQM TOTAL = 290.1SQM

0 1 2 3 4 5 6

Do not scale from drawings
All dimensions are to be checked on site before
commencement of work
All discrepancies to be brought to the attention of the project
manager
Larger scale drawings and written dimensions take preference
This drawing is copyright and the property of the author, it
must not be retained, copied or used without the express

DATE REV AMENDMENTS

22/09/2017 A PRELIMINARY DRAWINGS



P.O.BOX 84
MERRYLANDS NSW 2160
Phone: 0411870985
Email: asaouma@optusnet.com.au

CLIENT
STATION LANE PTY LTD
ATF THE STATION LANE TRUST

TRUST SCALE
DRAWN
CHECKE

PROJECT

PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2

DP 161921 No 1 STATION LANE PENRITH NSW

CALCULATIONS

SCALE

DRAWN BY

AS

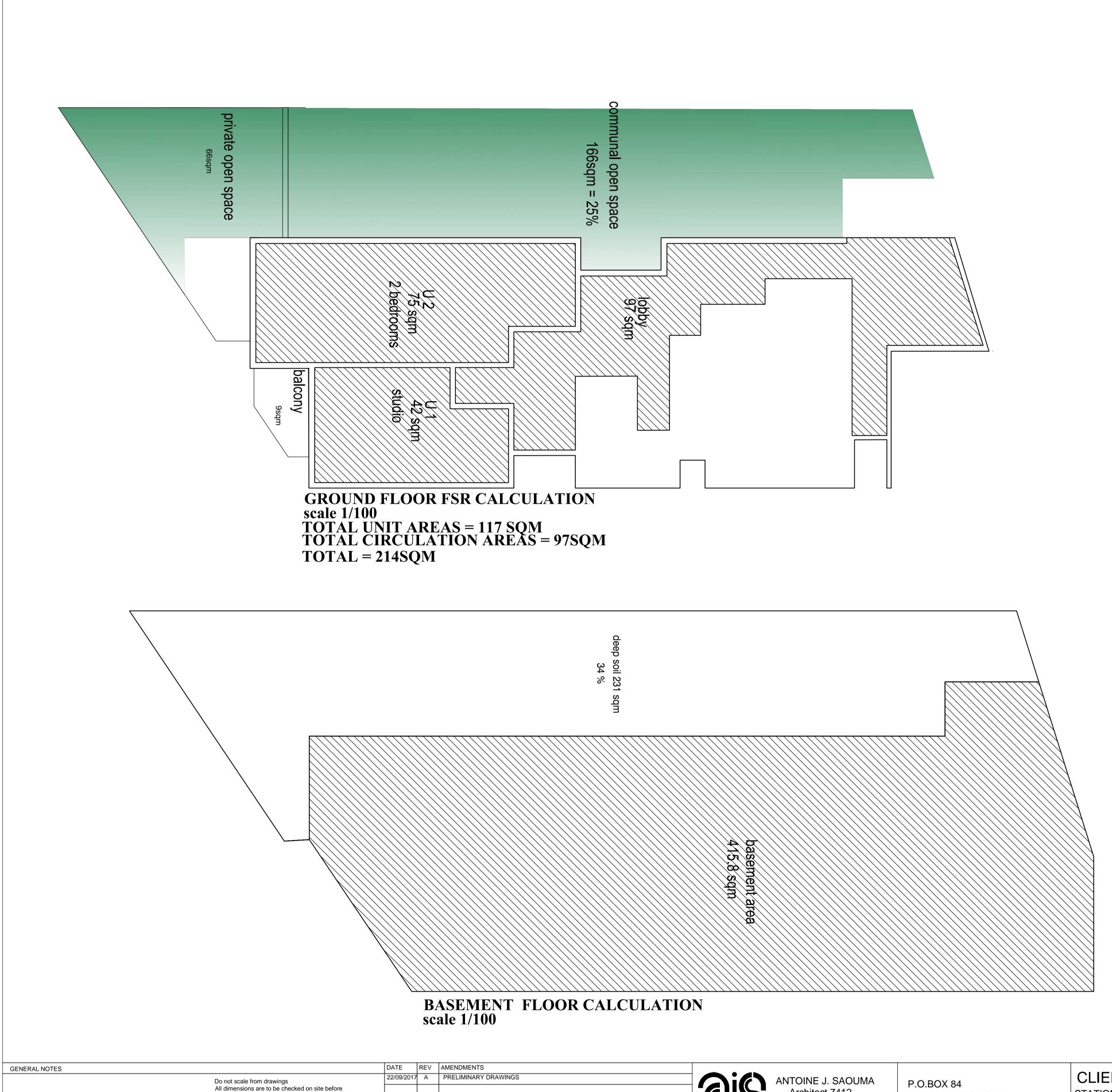
CHECKED BY

DATE

AUGUST 2017

PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2

DOT B2



DATA & CALCULATIONS

	REQUIRED F	PROPOSE	O COMPLIANCE
Site Area	664.5 m²+ 186	3 sqm lanev	way = 850.5sqm
Minimum front width	20m	34.558m	· · · · · · · · · · · · · · · · · · ·
Zoning	R4	R4	yes
Minimum ceiling height	2.7m	2.7 m	yes
maximum height	18m	18 clause	,
Setbacks- Front Primary	4.0m	0.0m	yes
- Sides	6000- 9000	6000	yes
Total deep soil area	664.5m ² x7% =47sqm	32%	yes
•	•		
Car Parking	1x3bedx1.2 + 8x1bedx	0.4	
	+8x2bedx0.7 +17/5	14	
D 11 11 11	visitors = 13.4 cars		yes
Building separation	CCDD 65 40m2	10 m2	
Balconies	SEPP 65 10m ²	10 m²	yes
	J 4 U5 U6 U7 U		
AREAS 42 75 63.5 8 U13 U14 U15 U1	87 112.5 60 63.5 87 6 U17	7 60 63.5	5 87 60
60 86 93 86			
	279m ²		
Total area of hallways = 177.	2sqm		
Total number of storage =	17	17	yes
FSR =	1456.2 m² /664.5	2.19/1	
Adaptable housing	2 units have		yes
, taaptaara maaamig	layout adaptable to		, , , ,
	a range of family types		
Access to sunlight	70% of units to receive		yes
	3 hours of sun on 21st june = 15 units		
	50% of required open		yes
	space of proposed		, 00
	dwellings and adjoining		
	properties to receive 3		
	hours on 21st june		

0 1 2 3 4 5 6

ANTOINE J. SAOUM Architect 7412

P.O.BOX 84

MERRYLANDS NSW 2160

Phone: 0411870985

Email: asaouma@optusnet.com.au

CLIENT
STATION LANE PTY LTD
ATF THE STATION LANE TRUST

PROJECT PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2
DP 161921 No 1 STATION LANE PENRITH NSW

CALCULATIONS
SCALE
DRAWN BY
AS
CHECKED BY
DATE
AUGUST 2017
PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2
DP 161921 No 1 STATION LANE PENRITH NSW

JOB NO TYPE DWG NO REV

03717 DA 15 A

commencement of work

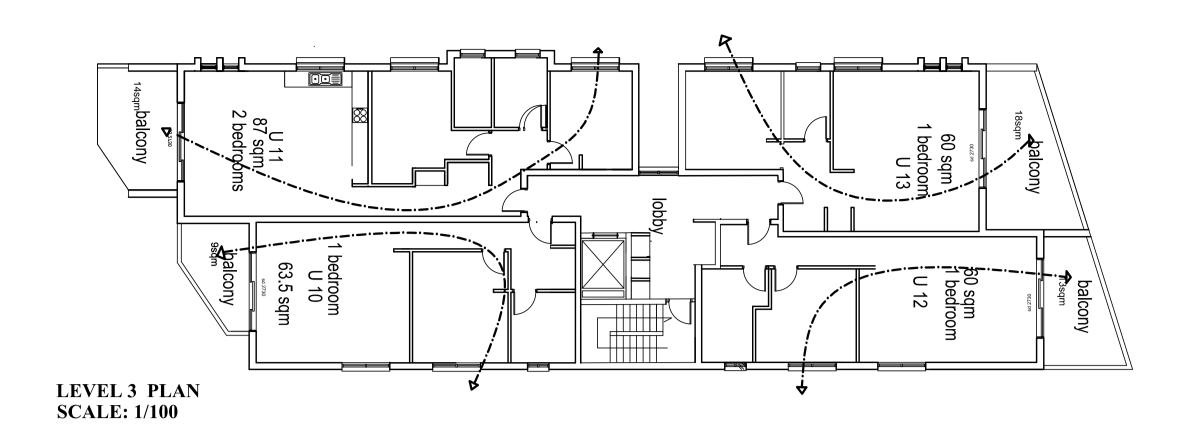
authority of Antoine Saouma.

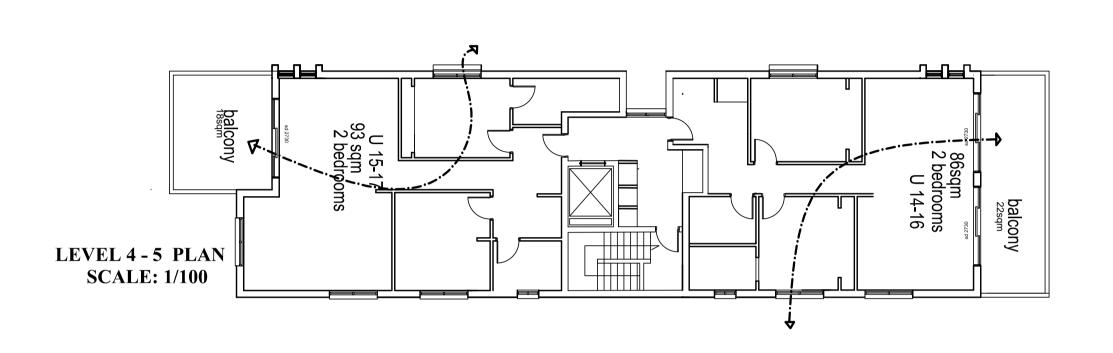
DEVELOPMENT APPLICATION ISSUE

All discrepancies to be brought to the attention of the project

Larger scale drawings and written dimensions take preference. This drawing is copyright and the property of the author, it

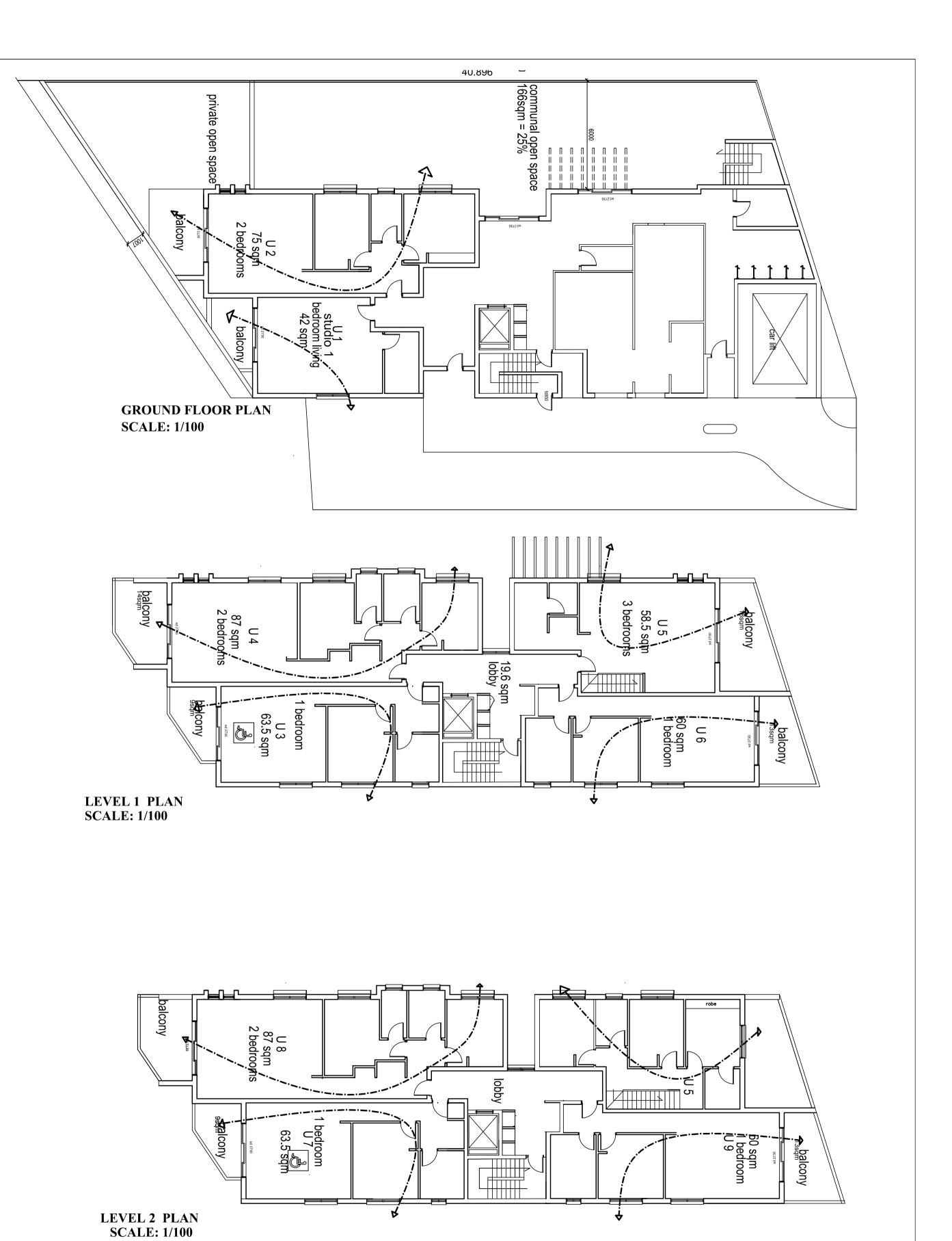
must not be retained, copied or used without the express





PROPOSED 17 UNITS @ No 1 STATION LANE PENRITH COMPRISING 1X3 bedrooms + 8X2 bedrooms + 8x1 bedrooms

STC	PRAGE A	REAS			UNITS	AREA	S & LAYO	DUT	
UNIT	Basement	unit space	cross flow	orientation	unit areas	balconies	layout	single orientation	adaptable
GRO	UND FLOOR								
U 1	2.0m³	4.0m3		south east	40m²	9m²	1 bed studio		
U 2	3.5m³	5.0m3		south west	75m2	66m2	2 beds		
FIRS'	T FLOOR	•			•				•
U 3	2.0m³	3.0m3		south east	63.5m2	9m2	1 bed		yes
U 4	4.4m³	4.0m3		south west	87m2	14m2	2 beds		
U5	4.5m³	5.0m3		north west	112.5m2	18m2	3 beds		
U6	2m³	4.0m3		north east	60m2	13m2	1 bed		
SEC	OND FLOOR				<u>'</u>	•	•	<u> </u>	•
U7	2m³	4.0m3		south east	63.5m2	9m2	1 bed		yes
U8	4.0m³	3.0m3		south west	87m2	14m2	2 beds		
U9	2m³	4.5m3		north east	60m2	13m2	1 bed		
THIR									•
U10	2.0m³	5.0m3		south east	63.5m2	9m2	1 bed		
U11	4.0m³	5.0m3		south west	87m2	14sqm	2 beds		
U12	2m³	4.0m3		north east	60m2	13m2	1 bed		
U13	2m³	4.0m3		north west	60m2	18m2	1 bed		
FOUR	RTH FLOOR					_		-	•
U14	3.5m³	3.0m3		north west	86m2	22m2	2 beds		
U15	4.0m³	4.4m3		south west	93m2	18m2	2 beds		
FIFT									1
U16	4.5m³	5.0m3		north west	86m2	22m2	2 beds		
U17	4.0m³	5.0m3		south west	93m2	18m2	2 beds		
	AREA			,	664.5		, =		
TOTA					919m²				
FSR	<u>\</u>					hallwave –	1096.2sqm = 1	6/10/1	
	SS VENTILATION	NI 17 I INITO	OUT OF 17	– 100%	313T111.Z	nanways =	1030.234III = 1	.UT3/ I	
	URS SUN 21 st								
	AL COMMUNAL				FΔ = 166cam				
	AL DEEP SOIL:			THE SHEAR	<u> </u>				
	PTABLE UNITS	<u> </u>	/T /U						
	MIX = 1X3 BE								
UIVII		D = 47%							
	=	D = 47 % DS = 47%							
		DO - 41 /0							



GENERAL NOTES

DEVELOPMENT APPLICATION ISSUE

Do not scale from drawings
All dimensions are to be checked on site before
commencement of work
All discrepancies to be brought to the attention of the project
manager
Larger scale drawings and written dimensions take preference.
This drawing is copyright and the property of the author, it
must not be retained, copied or used without the express
authority of Antoine Saouma.



P.O.BOX 84
MERRYLANDS NSW 2160
Phone: 0411870985
Email: asaouma@optusnet.com.au

CLIENT
STATION LANE PTY LTD
ATF THE STATION LANE TRUST

D DRAWI
SCALE
DRAWI
CHECK

PROJECT PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2
DP 161921 No 1 STATION LANE PENRITH NSW

DRAWING SEPP 65 COMPLIANCE TABLE

SCALE 1:100
DRAWN BY AS
CHECKED BY
DATE AUGUST 2017

PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2
DP 161921 No 1 STATION LANE PENRITH NSW

JOB NO TYPE DWG NO REV

03717 DA 16 A

POWDERCOATED ALUMINIUM FRAME WINDOWS & DOORS SCHEDULE

W22

W23

W24

W25

W32

W33

W42

W43

W44

W45

W46

W47

W52

W53

W54

W62

SD71

600

2700

1800

3000

POWDERCOATED ALUMINIUM FRAME WINDOWS & DOORS SCHEDULE

	Height	Width
UNIT 14		
W141 W142 W143 W144 W145 W146 SD141 SD142	600 1200 900 1200 2700 2700 2700	1800 1800 900 1800 600 600 3000
UNIT 15 W151 W152 W153 W154 W155 W156 W157 SD151 UNIT 16	900 1200 600 1200 2700 2700 1200 2700	900 1800 1800 1800 600 600 1800 3000
W161 W162 W163 W164 W165 W166 SD101 SD162	600 1200 900 1200 2700 2700 2700	1800 1200 900 1800 600 600 3000
UNIT 17 W171 W172 W173 W174 W175 W176 SD171 LOBBY	900 1200 600 1200 2700 2700 2700	900 1800 1800 2700 600 600 3000
WL1 WL2 WL3 WL4 WL5 SDL1 SDL2	1200 1200 1200 1200 1200 2700 2700	1500 1500 1500 1500 1500 3000 3000

POWDERCOATED ALUMINIUM FRAME WINDOWS & DOORS SCHEDULE

W142 W143 W144 W145 W146 SD141 SD142 UNIT 15	1200 900 1200 2700 2700 2700 2700	1800 900 1800 600 600 3000 3000	
W151 W152 W153 W154 W155 W156 W157 SD151 UNIT 16	900 1200 600 1200 2700 2700 1200 2700	900 1800 1800 1800 600 600 1800 3000	
W161 W162 W163 W164 W165 W166 SD101 SD162	600 1200 900 1200 2700 2700 2700	1800 1200 900 1800 600 600 3000 3000	
W171 W172 W173 W174 W175 W176 SD171	900 1200 600 1200 2700 2700 2700	900 1800 1800 2700 600 600 3000	
WL1 WL2 WL3 WL4 WL5 SDL1 SDL2	1200 1200 1200 1200 1200 2700 2700	1500 1500 1500 1500 1500 3000 3000	

A window opening must be provided with protection if the floor below the window is 2m or more above the surface beneath in: the openable portion of the window must be protected with:

1- A device to restrict the window opening or 2- A screen with secure fitting

A device or screen required must not permit a 125mm sphere to pass through the window or screen and resist an outward horizontal action 250N against the

- window restrained by a device or

- screen protecting the opening

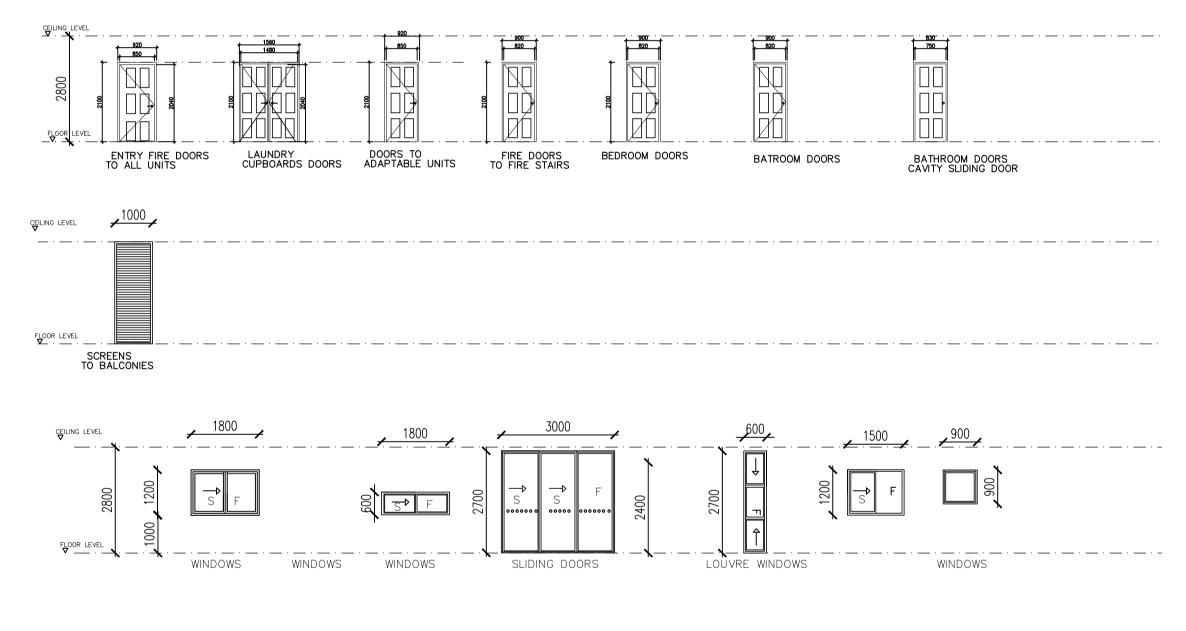
- have a child resistant release mechanism if the screen or device is able to be removed unlocked or overridden.

A barrier with a height not less than 865mm above the floor is required to an openable window

- in addition to window protection when a child resistant screen release mechanism is required — for openable windows 4m or more above the surface beneath if the window is not covered by A barrier covered must not

— permit a 125mm sphere to pass through have any horizontal bar near horizontal

elements between 150mm and 760mm above the floor that facilitate climbing



GENERAL NOTES

DEVELOPMENT APPLICATION ISSUE

Do not scale from drawings All dimensions are to be checked on site before commencement of work All discrepancies to be brought to the attention of the project Larger scale drawings and written dimensions take preference This drawing is copyright and the property of the author, it must not be retained, copied or used without the express authority of Antoine Saouma.

DATE REV AMENDMENTS PRELIMINARY DRAWINGS, ISSUE FOR PRE-DA DRAWINGS ISSUED FOR COORDINATION

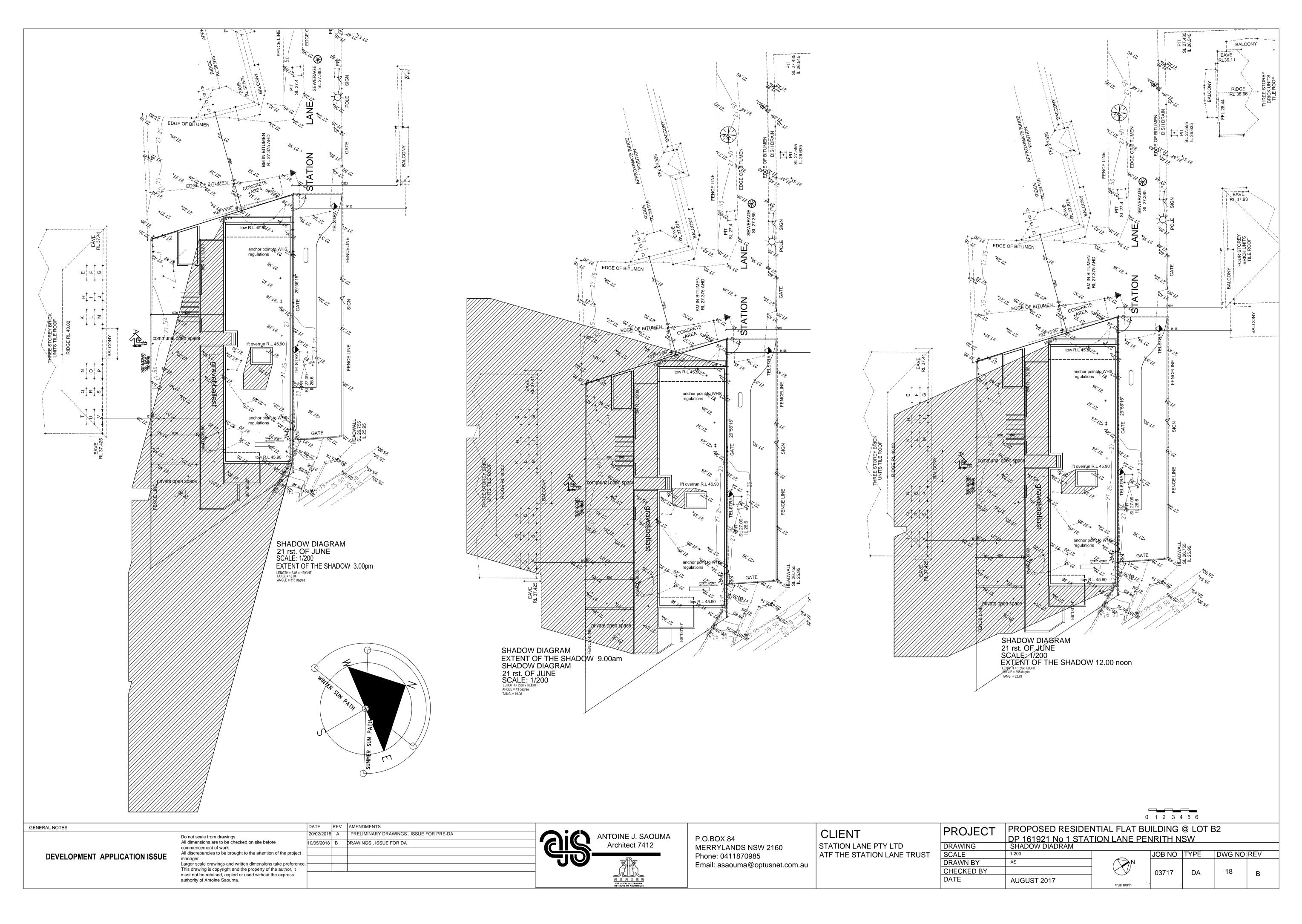


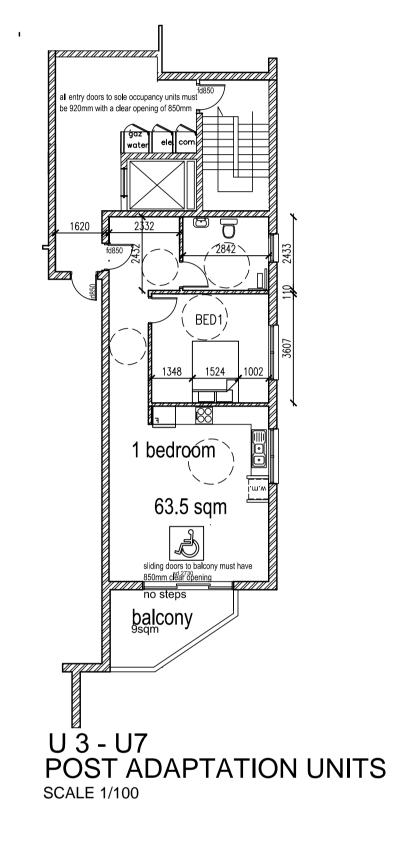
P.O.BOX 84 **MERRYLANDS NSW 2160** Phone: 0411870985 Email: asaouma@optusnet.com.au

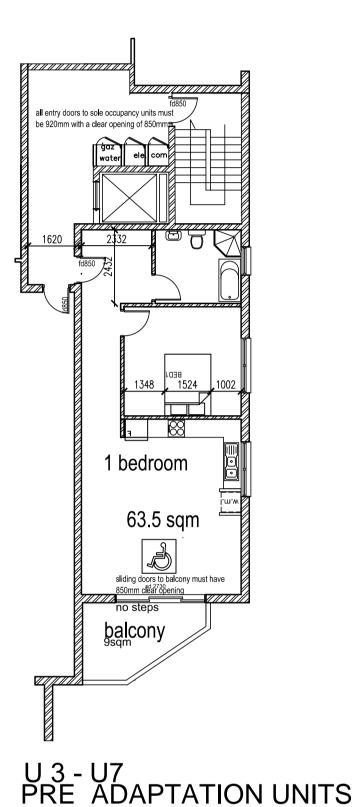
CLIENT STATION LANE PTY LTD ATF THE STATION LANE TRUST

PROJECT DRAWING SCALE **DRAWN BY**

PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2 DP 161921 No 1 STATION LANE PENRITH NSW WINDOW SCHEDULE JOB NO TYPE DWG NO REV **CHECKED BY** 17 03717 DA DATE AUGUST 2017





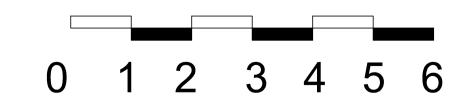


ADAPTABLE HOUSING

To satisfy requirements of AS 4299 -1995, AS 1428.1 ans AS 2890.6-2009 the adaptable units 3 & 7 shall provide the following:

- * Continuous accesiiblev path of travel from the site frontage to the adaptable units
- * Common use facilities will be accessible
- * Letterboxes are accessible
- * External pathway lighting
- * Entry porch is covered
- * Provision for a microwaven oven 750mm -1200mm AFFL
- * Light over kitchen sink
- * Potential illumination to 300 lux in the entry, bedroom bathroom living.
- * Four double GPO's in living / dining area
- * Three double GPO's TV and phone outlets in bedroom
- * Sliding door with mirror in bedroom
- * Linen Cupboard
- * Shelf in laundry 1200mm AFFL
- * Accesible garbage bin enclosure
- * Electrical distribution sub-board within the unit in an accessible location
- * Provision foe external wheelchair storage
- * Slip resistant flooring in bathroom, laundry and external private deck terrace
- * Kitchen sink 1500mm deep x 800mm off the floor and open under for minimum 820mm wide
- * Fittings and fixtures in kitchen to comply with AS 1428.1
- * Shower recess in bathroom 1100mm x 1160mm hobless
- * Toilet 450mm from side wall, 800mm to front of pan
- * Basin to be Caroma Caravelle or similar
- * Circulation space to AS 1428.1
- * Fittings and fixtures to AS 1428.1
- * Installation of grab rails to AS 1428.1
- * Car parking to AS 2890.6-2009
- * 850mm clear open for entry door 530mm on latch of door inside and outside, 110 mm 0n hinge side
- * landing 1350mm in front of door
- * circulation space inside entry door 1500mm minimum
- * Level handles to AS 1428.1
- * All internal doors 820mm clear when open
- * 1000mm minimum space each side of the queen bed, 1540mm in front of bed
- * 850mm clear open for rear landing door 530mm on latch of door inside and outside, 110 mm 0n hinge side
- * landing on top of ramp 1500mm, ramp minimum 1200mm

NOTE: THE PLUMBING IS PROVIDED IN SLAB TO SUIT POST ADAPTATION LAYOUT



GENERAL NOTES

DEVELOPMENT APPLICATION ISSUE

Do not scale from drawings All dimensions are to be checked on site before commencement of work All discrepancies to be brought to the attention of the project This drawing is copyright and the property of the author, it must not be retained, copied or used without the express

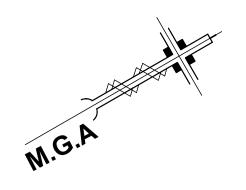
DATE REV AMENDMENTS 20/05/2018 A PRELIMINARY DRAWINGS ISSUE FOR DA



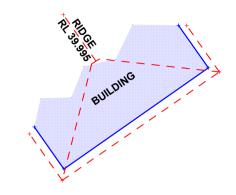
P.O.BOX 84 MERRYLANDS NSW 2160 Phone: 0411870985 Email: asaouma@optusnet.com.au

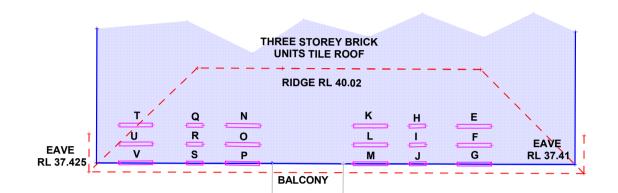
CLIENT STATION LANE PTY LTD ATF THE STATION LANE TRUST

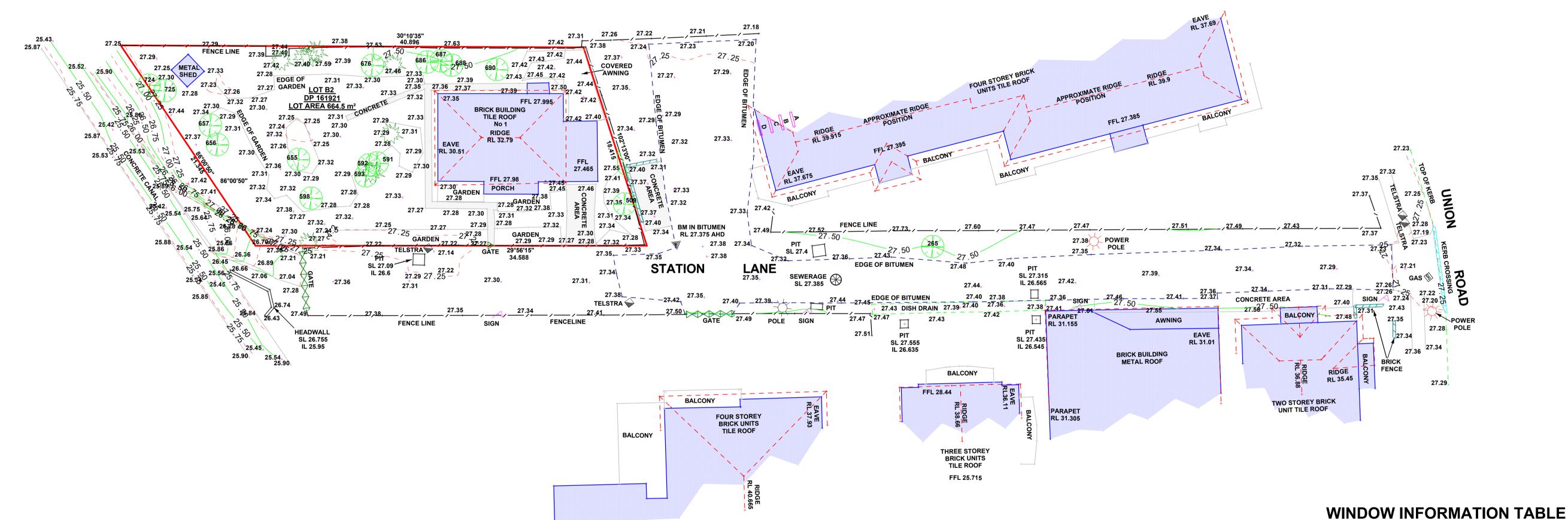
PROJECT PROPOSED RESIDENTIAL FLAT BUILDING @ LOT B2										
INCOLOT	DP 161921 No 1 STATION LANE PENRITH NSW									
DRAWING	ADAPTABLE UNITS									
SCALE	1:100		JOB NO	TYPE	DWG NO	REV				
DRAWN BY	AS	N								
CHECKED BY			03717	DA	19	A				
DATE	AUGUST 2017	true north								



ALL BEARINGS ARE TO M.G.A. **AS PER DP 1220719**







TREE INFORMATION TABEL Point Code GIRTH APPROX HEIGHT SPREAD RADUIS 265 TREE 2.0 16.0 10.0 509 TREE 0.5 TREE 0.4 7.0 3.0 TREE 0.3 5.0 1.0 TREE 0.3 5.0 TREE 0.6 12.0 TREE 0.4 10.0 4.0 TREE 0.6 12.0 657 TREE 0.6 676 TREE 0.5 9.0 5.0 686 TREE 0.3 10.0 2.0 687 TREE 0.3 6.0 688 TREE 0.6 12.0 6.0 690 TREE 0.6 12.0 6.0 724 TREE 0.6 725 TREE 0.3

PO BOX 465 LIVERPOOL NSW 2170

john@jlsurveys.com.au

Α	37.675	36.175
В	35.035	33.56
С	32.395	30.925
D	29.74	28.265
E	37.395	36.05
F	34.745	33.395
G	31.975	30.66
Н	37.385	36.66
I	34.745	33.985
J	31.98	31.245
K	37.395	36.065
L	34.745	33.395
М	31.975	30.65
N	37.415	36.085
0	34.760	33.425
Р	31.975	30.675
Q	37.42	36.7
R	34.765	34.010
S	31.995	31.305
Т	37.415	36.07
U	34.735	33.425
V	32.005	30.655

NOTE-DO NOT SCALE OFF THIS PLAN

ALL LEVELS SHOULD BE TAKEN FROM THE BENCHMARK SHOWN ON PLAN

NO ATTEMPT HAS BEEN MADE TO
LOCATE UNDERGROUND SERVICES

JOB No :96228 NO BOUNDARY DEFINITION HAS BEEN MADE THE LOCATION OF ANY BUILDINGS OR IMPROVEMENTS SHOWN ARE APPROX ONLY ONLY VISABLE SERVICES HAVE BEEN LOCATED

PLOT DATE : 11/07/2017 **DATE OF SURVEY: 29-6-2017 CLIENT: STATION LANE LOCATION:PENRITH** DATUM: AHD SSM 56974 A1 SHEET DRAWN BY:RHYSE.SMITH DIAL BEFORE YOU DIG 1100 | SCALE : 1:200

DETAIL SURVEY LOT B2 **IN DP 161921**

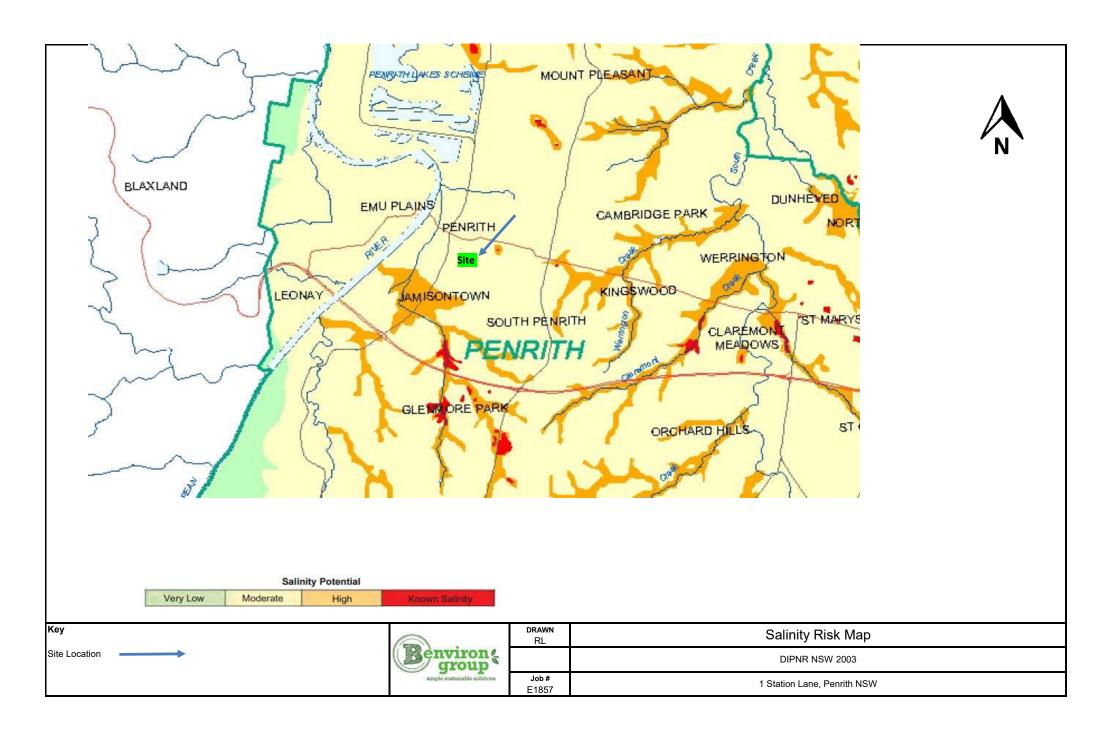
CHECKED BY JOHN LOWE/CANDICE LOWE REGISTERED SURVEYOR UNDER THE SURVEYING ACT 2002

JOHN LOWE AND ASSOCIATES PTY LTD **LIVERPOOL** 81 ELIZABETH DRIVE, LIVERPOOL PHONE: 9602-4582, 9602-4010 FAX 9602-8324

CONSULTING LAND AND ENGINEERING SURVEYORS TAHMOOR LYREBIRD RD, PHEASANTS NEST PHONE: 4684-3227 FAX 4684-3228 PO BOX 42 TAHMOORL NSW 2573 candice@jlsurveys.com.au A.B.N. 76 071 037 959

APPENDIX H: SALINITY RISK MAP

© Benviron Group



APPENDIX I: DPI (OFFICE OF WATER) DATABASE RECORDS

© Benviron Group

All data times are Eastern Standard Time

Latest Values | Work Summary Report | Prepared Outputs

gw029710.wsr.htm does not exist Please run DWR.REPORT.WORKSUMMARY.HSC to (re)create the report

All data times are Eastern Standard Time

Latest Values | Work Summary Report | Prepared Outputs

gw103048.wsr.htm does not exist
Please run DWR.REPORT.WORKSUMMARY.HSC to (re)create the report

All data times are Eastern Standard Time

Latest Values | Work Summary Report | Prepared Outputs

gw111987.wsr.htm does not exist Please run DWR.REPORT.WORKSUMMARY.HSC to (re)create the report

All data times are Eastern Standard Time

Latest Values | Work Summary Report | Prepared Outputs

gw111987.wsr.htm does not exist Please run DWR.REPORT.WORKSUMMARY.HSC to (re)create the report

All data times are Eastern Standard Time

Latest Values | Work Summary Report | Prepared Outputs

gw111989.wsr.htm does not exist Please run DWR.REPORT.WORKSUMMARY.HSC to (re)create the report

APPENDIX J: BUREAU OF METEOROLOGY

© Benviron Group

Monthly Rainfall (millimetres)

PENRITH LAKES AWS

Station Number: 067113 · State: NSW · Opened: 1995 · Status: Open · Latitude: 33.72°S · Longitude: 150.68°E · Elevation: 25 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1995				'	,			J	30.2	16.8	141.4	51.4	
1996	113.4	40.6	18.4	20.0	150.2	25.6	5.6	10.4	45.0	21.2	52.6	42.6	545.6
1997	195.4	177.4	25.2	1.8	38.4	22.6	28.6	0.0	75.2	59.8	25.2	29.6	679.2
1998	155.4	87.4	33.4	65.2	96.0	77.6	56.4	161.2	16.8	4.6	78.6	36.6	869.2
1999	152.4	35.8	22.0	10.0	10.4	24.6	82.0	18.8	25.4	87.4	14.0	69.4	552.2
2000	20.4	15.2	186.0	34.2	15.0	14.8	9.0	10.8	22.2	63.6	170.6	96.2	658.0
2001	148.2	142.8	99.4	90.4	32.8	3.0	71.8	23.8	28.2	39.6	41.0	30.4	751.4
2002	75.2	243.2	84.6	18.0	34.8	18.4	10.8	11.2	4.4	5.6	13.0	59.8	579.0
2003	23.8	101.6	147.8	45.2	89.0	24.6	26.6	24.6	4.2	76.4	76.0	78.0	717.8
2004	22.4	83.4	51.8	15.6	15.0	6.2	16.4	21.6	33.4	256.2	65.6	82.2	669.8
2005	114.8	160.4	46.8	14.6	21.2	68.2	53.0	1.4	35.8	81.6	136.4	26.2	760.4
2006	106.8	84.6	24.8	4.0	8.2	43.0	35.4	17.4	93.6	7.6	16.8	58.8	501.0
2007	23.0	181.8	87.2	50.6	24.8	226.0	15.0	78.2	14.2	24.2	206.2	82.2	1013.4
2008	112.0	228.4	48.0	84.6	4.2	98.4	16.6	23.8	39.4	79.4	62.4	70.0	867.2
2009	19.2	136.2	46.0	89.8	83.4	28.8	15.4	8.0	13.8	52.0	13.6	31.4	537.6
2010	43.6	274.8	30.0	15.4	50.0	51.4	56.8	23.0	26.4	61.0	142.8	39.8	815.0
2011	27.6	21.8	121.2	35.0	40.8	45.8	27.2	28.4	68.4	46.4	153.8	88.2	704.6
2012	138.0	266.2	149.2	93.6	15.4	65.4	19.2	5.0	24.4	34.0	67.0	28.0	905.4
2013	149.2	150.0	67.4	60.2	27.2	100.8	4.2	0.4	19.0	6.6	141.4	36.6	763.0
2014	27.4	68.2	100.6	54.4	4.0	35.4	12.0	103.0	18.8	65.6	40.0	164.2	693.6
2015	140.4	47.2	46.4	258.8	47.6	67.4	33.4	40.0	15.8	31.6	141.2	109.2	979.0
2016	307.8	1.8	16.8	12.2	7.2		48.2	48.8	50.0	12.4	16.6	65.2	
2017	28.2	69.8	230.2	29.4	10.2	29.0	1.4	9.8	0.2	45.2	23.4	50.6	527.4
2018	36.4	70.4	78.6	22.6	3.2								

Quality control: 12.3 Done & acceptable, 12.3 Not completed or unknown



Monthly Rainfall (millimetres)

PENRITH LAKES AWS

Station Number: 067113 · State: NSW · Opened: 1995 · Status: Open · Latitude: 33.72°S · Longitude: 150.68°E · Elevation: 25 m

Statistics for this station calculated over all years of data

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean	94.8	116.9	76.6	48.9	36.0	51.3	29.3	30.4	30.6	51.3	80.0	62.0	718.6
Lowest	19.2	1.8	16.8	1.8	3.2	3.0	1.4	0.0	0.2	4.6	13.0	26.2	501.0
5th percentile	20.6	15.9	18.8	4.6	4.0	6.2	4.3	0.4	4.2	5.7	13.6	28.2	527.4
10th percentile	22.5	24.6	22.6	10.4	4.8	14.8	5.9	1.8	6.3	6.8	14.5	29.8	537.6
Median	106.8	87.4	51.8	34.2	24.8	35.4	22.9	20.2	25.4	45.2	65.6	58.8	704.6
90th percentile	154.8	240.2	148.9	90.3	87.9	98.4	56.8	75.3	64.7	81.2	151.6	94.6	905.4
95th percentile	191.4	263.9	182.3	93.3	95.3	100.8	71.1	101.8	74.5	86.8	168.9	107.9	979.0
Highest	307.8	274.8	230.2	258.8	150.2	226.0	82.0	161.2	93.6	256.2	206.2	164.2	1013.4

1) Calculation of statistics

Summary statistics, other than the Highest and Lowest values, are only calculated if there are at least 20 years of data available.

2) Gaps and missing data

Gaps may be caused by a damaged instrument, a temporary change to the site operation, or due to the absence or illness of an observer.

3) Further information

http://www.bom.gov.au/climate/cdo/about/about-rain-data.shtml.

Product code: IDCJAC0001 reference: 38664740 Created on Mon 18 Jun 2018 11:53:12 AM EST



APPENDIX K: BOREHOLE LOGS

© Benviron Group

												Job No: E1857	
												Hole No: S1	
												Sheet 1 of 1	
	ICINII	D	ואוכ ו	00.0	VE DOILI	LED BOREH	OLF.						
		EEN	IIVG I	_OG C				Chatian Lana Tura		F	:	Defeate Figure 2	
Clie	ject:				Sta	Preliminar		Station Lane Trus				Refer to Figure 2 Hand Auger	
	ject. ject Lo	catio	n:			1 Station I				Date:	triou.	06.06.2018 Logged by:	RL
	,						,			Surface	Level:		
er			5	ت							,		
wat	s/ sts	٦	Log	atio						e E	ency Isity		(i
Groundwater	Samples/ Field Tests	th (Graphic Log	Unified Classification						Moisture Condition	siste Der		Ę.
Gro	Samples/ Field Test	Depth (m)	Gra	Unified Classifica		D	escription			No.	Consistency/ Rel. Density	Additional Comments	Depth (m)
		0.1	XXXX		Fill: Silty Sa	and, fine to mediu	ım grained,			D	L	No HC odours, No staining	0.1
		0.2	XXXX			own, with grass r	oots.					No visual fibro cement fragments	0.2
		0.3			End of S1	@0.2m BGL							0.3
		0.4											0.4
		0.6											0.6
		0.7											0.7
		0.8											0.8
		0.9											0.9
		1.0											1.0
		1.1											1.1
		1.3											1.3
		1.4											1.4
		1.5											1.5
		1.6											1.6
		1.7											1.7
		1.8											1.8
		2.0											2.0
		2.1											2.1
		2.2											2.2
		2.3											2.3
		2.4											2.4
		2.5											2.5
		2.7											2.6
		2.8											2.8
		2.9											2.9
		3.0											3.0
		3.1											3.1
		3.2											3.2
		3.4											3.4
		3.5											3.5
Expl	Explanatory Notes:								Į.				1
Con	Consistency				Density Inc	<u>dex</u>	Sampl	es			Moistu	<u>ire</u>	
vs	Ve	ry So	ft		v L Very	Loose	В	Bulk Sample			D Dr	Ту	
s	So	ft			L Loos	se	D	Disturbed Samp	ole		м М	oist	
F	Fir	m			мо Ме	lium Dense	U50	Undisturbed S	Sample		w W	et	
۱					n Don			/ C O ma ma dia ma \			61	actic Limit	

(50mm diam.)

S.P.T. Value

Wp Plastic Limit

wı Liquid Limit

Document Set ID: 8363820 Version: 1, Version Date: 31/08/2018

Stiff

Hard

Very Stiff

D Dense

VD Very Dense

										Job No: E1857	
										Hole No: S2	
										Sheet 1 of 1	
FN	GINE	FRI	NG I	OG O	OF DRILLED BOF	REHOLE					
Clie		LIVII	10 1	.000		ty Ltd ATF The Station	n Lane Trust	Test Loc	ation:	Refer to Figure 2	
Proj						ninary Site Investiga				Hand Auger	
	ect Lo	cation	1:			tion Lane, Penrith N		Date:		06.06.2018 Logged by:	RL
								Surface	Level:	N/A	
ter			ρū	u					> >		
wa	ests	(m)	сГо	- cati				e lo	enc		(E)
Groundwater	Samples/ Field Tests	Depth (m)	Graphic Log	Unified Classification				Moisture Condition	Consistency/ Rel. Density		Depth (m)
9.	Sar Fie		5			Description				Additional Comments	
		0.1	⋘		Fill: Silty Sand, fine to	-		D	L	No HC odours, No staining	0.1
		0.2	XXXX		lightk brown, with g	rass roots.				No visual fibro cement fragments	0.2
		0.3			End of S2 @0.2m BGL						0.3
		0.5									0.5
		0.6									0.6
		0.7									0.7
		8.0									0.8
		1.0									1.0
		1.1									1.1
		1.2									1.2
		1.3									1.3
		1.4									1.4
		1.5									1.5
		1.6									1.6
		1.8									1.7
		1.9									1.9
		2.0									2.0
		2.1									2.1
		2.2									2.2
		2.4									2.3
		2.5									2.5
		2.6									2.6
		2.7									2.7
		2.8									2.8
		3.0									3.0
		3.1									3.1
		3.2									3.2
		3.3									3.3
		3.4									3.4
		3.5									3.5
	anatory		s:		Density India	Camania					
	sistency				Density Index	Samples	Cample		Moist		
vs		ry Soft			VL Very Loose		Sample		D Di		
S	Sof				L Loose		urbed Sample		M M		
F	Firr	11			MD Medium Dens		disturbed Sample	=	w W	/et lastic Limit	

(50mm diam.)

S.P.T. Value

Wp Plastic Limit

wı Liquid Limit

Document Set ID: 8363820 Version: 1, Version Date: 31/08/2018

Stiff

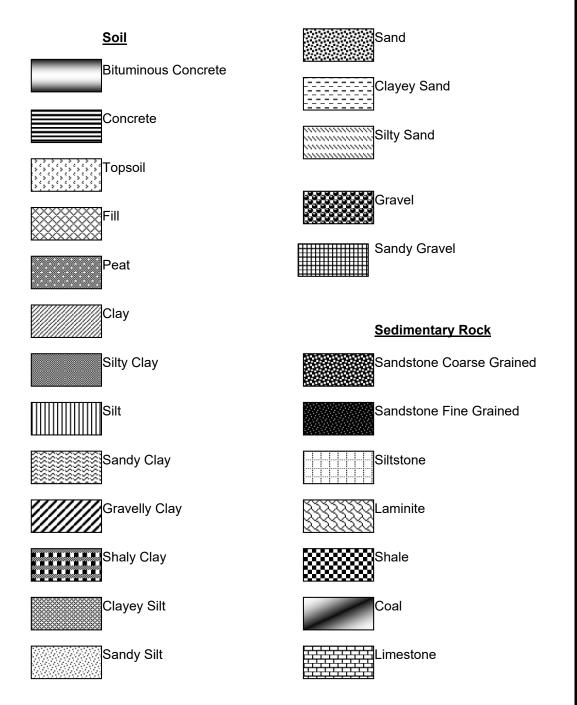
Hard

Very Stiff

D Dense

VD Very Dense

GRAPHIC SYMBOLS FOR SOIL AND ROCK



APPENDIX L: NATA ACCREDITED LABORATORY CERTIFICATES

© Benviron Group



Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 193449

Client Details	
Client	Benviron Group
Attention	Michael Silk
Address	PO Box 4405, East Gosford, NSW, 2250

Sample Details	
Your Reference	E1857 - Penrith
Number of Samples	2 soil
Date samples received	06/06/2018
Date completed instructions received	06/06/2018

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details	
Date results requested by	14/06/2018
Date of Issue	13/06/2018
NATA Accreditation Number 2901. This	document shall not be reproduced except in full.
Accredited for compliance with ISO/IEC	17025 - Testing. Tests not covered by NATA are denoted with *

Asbestos Approved By

Analysed by Asbestos Approved Identifier: Lucy Zhu Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Jeremy Faircloth, Organics Supervisor Long Pham, Team Leader, Metals Lucy Zhu, Asbsestos Analyst Steven Luong, Senior Chemist **Authorised By**

Jacinta Hurst, Laboratory Manager

Envirolab Reference: 193449 Revision No: R00



vTRH(C6-C10)/BTEXN in Soil			
Our Reference		193449-1	193449-2
Your Reference	UNITS	S1	S2
Depth		0-0.2	0-0.2
Date Sampled		05/06/2018	05/06/2018
Type of sample		soil	soil
Date extracted	-	07/06/2018	07/06/2018
Date analysed	-	08/06/2018	08/06/2018
TRH C ₆ - C ₉	mg/kg	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25
Benzene	mg/kg	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1
m+p-xylene	mg/kg	<2	<2
o-Xylene	mg/kg	<1	<1
naphthalene	mg/kg	<1	<1
Total +ve Xylenes	mg/kg	<1	<1
Surrogate aaa-Trifluorotoluene	%	114	127

Envirolab Reference: 193449 Revision No: R00

Page | 2 of 20

svTRH (C10-C40) in Soil			
Our Reference		193449-1	193449-2
Your Reference	UNITS	S1	S2
Depth		0-0.2	0-0.2
Date Sampled		05/06/2018	05/06/2018
Type of sample		soil	soil
Date extracted	-	07/06/2018	07/06/2018
Date analysed	-	08/06/2018	08/06/2018
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100
TRH >C10 -C16	mg/kg	<50	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50
Surrogate o-Terphenyl	%	104	104

Envirolab Reference: 193449 Revision No: R00

Page | 3 of 20

PAHs in Soil			
Our Reference		193449-1	193449-2
Your Reference	UNITS	S1	S2
Depth		0-0.2	0-0.2
Date Sampled		05/06/2018	05/06/2018
Type of sample		soil	soil
Date extracted	-	07/06/2018	07/06/2018
Date analysed	-	08/06/2018	08/06/2018
Naphthalene	mg/kg	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1
Phenanthrene	mg/kg	0.1	0.2
Anthracene	mg/kg	<0.1	<0.1
Fluoranthene	mg/kg	0.3	0.5
Pyrene	mg/kg	0.3	0.5
Benzo(a)anthracene	mg/kg	0.1	0.2
Chrysene	mg/kg	0.1	0.2
Benzo(b,j+k)fluoranthene	mg/kg	0.2	0.3
Benzo(a)pyrene	mg/kg	0.1	0.2
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	0.1
Total +ve PAH's	mg/kg	1.2	2.3
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	111	106

Envirolab Reference: 193449 Revision No: R00

Page | 4 of 20

Organochlorine Pesticides in soil		
Our Reference		193449-2
Your Reference	UNITS	S2
Depth		0-0.2
Date Sampled		05/06/2018
Type of sample		soil
Date extracted	-	07/06/2018
Date analysed	-	07/06/2018
нсв	mg/kg	<0.1
alpha-BHC	mg/kg	<0.1
gamma-BHC	mg/kg	<0.1
beta-BHC	mg/kg	<0.1
Heptachlor	mg/kg	<0.1
delta-BHC	mg/kg	<0.1
Aldrin	mg/kg	<0.1
Heptachlor Epoxide	mg/kg	<0.1
gamma-Chlordane	mg/kg	<0.1
alpha-chlordane	mg/kg	<0.1
Endosulfan I	mg/kg	<0.1
pp-DDE	mg/kg	<0.1
Dieldrin	mg/kg	<0.1
Endrin	mg/kg	<0.1
pp-DDD	mg/kg	<0.1
Endosulfan II	mg/kg	<0.1
pp-DDT	mg/kg	<0.1
Endrin Aldehyde	mg/kg	<0.1
Endosulfan Sulphate	mg/kg	<0.1
Methoxychlor	mg/kg	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1
Surrogate TCMX	%	101

Envirolab Reference: 193449 Revision No: R00

Page | 5 of 20

PCBs in Soil		
Our Reference		193449-2
Your Reference	UNITS	S2
Depth		0-0.2
Date Sampled		05/06/2018
Type of sample		soil
Date extracted	-	07/06/2018
Date analysed	-	07/06/2018
Aroclor 1016	mg/kg	<0.1
Aroclor 1221	mg/kg	<0.1
Aroclor 1232	mg/kg	<0.1
Aroclor 1242	mg/kg	<0.1
Aroclor 1248	mg/kg	<0.1
Aroclor 1254	mg/kg	<0.1
Aroclor 1260	mg/kg	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1
Surrogate TCLMX	%	101

Envirolab Reference: 193449 Revision No: R00

Acid Extractable metals in soil			
Our Reference		193449-1	193449-2
Your Reference	UNITS	S1	S2
Depth		0-0.2	0-0.2
Date Sampled		05/06/2018	05/06/2018
Type of sample		soil	soil
Date prepared	-	07/06/2018	07/06/2018
Date analysed	-	08/06/2018	08/06/2018
Arsenic	mg/kg	<4	<4
Cadmium	mg/kg	<0.4	<0.4
Chromium	mg/kg	8	12
Copper	mg/kg	13	20
Lead	mg/kg	36	63
Mercury	mg/kg	<0.1	<0.1
Nickel	mg/kg	4	6
Zinc	mg/kg	35	66

Envirolab Reference: 193449 Revision No: R00

Page | 7 of 20

Moisture			
Our Reference		193449-1	193449-2
Your Reference	UNITS	S1	S2
Depth		0-0.2	0-0.2
Date Sampled		05/06/2018	05/06/2018
Type of sample		soil	soil
Date prepared	-	07/06/2018	07/06/2018
Date analysed	-	08/06/2018	08/06/2018
Moisture	%	5.5	6.2

Envirolab Reference: 193449 Revision No: R00

Asbestos ID - soils NEPM - ASB-001		
Our Reference		193449-2
Your Reference	UNITS	S2
Depth		0-0.2
Date Sampled		05/06/2018
Type of sample		soil
Date analysed	-	08/06/2018
Sample mass tested	g	671.63
Sample Description	-	Brown fine- grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected
Total Asbestos ^{#1}	g/kg	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected
ACM >7mm Estimation*	g	_
FA and AF Estimation*	g	_
ACM >7mm Estimation*	%(w/w)	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001

Envirolab Reference: 193449 Revision No: R00

vision No: R00

Page | 9 of 20

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004. Results reported denoted with * are outside our scope of NATA accreditation.
	NOTE #1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF)
	NOTE #2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres.
	Estimation = Estimated asbestos weight
	Results reported with "" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.
	F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
	Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.

Envirolab Reference: 193449 Revision No: R00

Method ID	Methodology Summary
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <pql "total="" 'eq="" +ve="" 2.="" 3.="" <pql="" a="" above.="" actually="" all="" and="" approach="" approaches="" are="" as="" assuming="" at="" be="" below="" between="" but="" calculation="" can="" conservative="" contribute="" contributing="" false="" give="" given="" half="" hence="" individual="" is="" least="" lowest="" may="" mid-point="" more="" most="" negative="" not="" note,="" of="" pahs="" pahs"="" pahs.<="" positive="" pql="" pql'values="" pql.="" present="" present.="" reflective="" reported="" simply="" stipulated="" sum="" susceptible="" td="" teq="" teqs="" that="" the="" therefore="" this="" to="" total="" when="" zero'values="" zero.=""></pql>
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

Envirolab Reference: 193449 Revision No: R00

Page | 11 of 20

QUALITY CON	TROL: vTRH	(C6-C10)		Dι	Spike Recovery %					
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			07/06/2018	[NT]		[NT]	[NT]	07/06/2018	
Date analysed	-			08/06/2018	[NT]		[NT]	[NT]	08/06/2018	
TRH C ₆ - C ₉	mg/kg	25	Org-016	<25	[NT]		[NT]	[NT]	123	
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	<25	[NT]		[NT]	[NT]	123	
Benzene	mg/kg	0.2	Org-016	<0.2	[NT]		[NT]	[NT]	107	
Toluene	mg/kg	0.5	Org-016	<0.5	[NT]		[NT]	[NT]	121	
Ethylbenzene	mg/kg	1	Org-016	<1	[NT]		[NT]	[NT]	128	
m+p-xylene	mg/kg	2	Org-016	<2	[NT]		[NT]	[NT]	130	
o-Xylene	mg/kg	1	Org-016	<1	[NT]		[NT]	[NT]	126	
naphthalene	mg/kg	1	Org-014	<1	[NT]		[NT]	[NT]	[NT]	
Surrogate aaa-Trifluorotoluene	%		Org-016	114	[NT]		[NT]	[NT]	132	

Envirolab Reference: 193449 Revision No: R00

Page | **12 of 20**

QUALITY CO	NTROL: svT	RH (C10-		Du	plicate		Spike Re	covery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			07/06/2018	[NT]		[NT]	[NT]	07/06/2018	
Date analysed	-			08/06/2018	[NT]		[NT]	[NT]	08/06/2018	
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	<50	[NT]		[NT]	[NT]	122	
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	<100	[NT]		[NT]	[NT]	88	
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	<100	[NT]		[NT]	[NT]	108	
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	<50	[NT]		[NT]	[NT]	122	
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	<100	[NT]		[NT]	[NT]	88	
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	<100	[NT]		[NT]	[NT]	108	
Surrogate o-Terphenyl	%		Org-003	108	[NT]		[NT]	[NT]	109	

Envirolab Reference: 193449 Revision No: R00

Page | 13 of 20

QU.	ALITY CONTRO	L: PAHs	in Soil			Du	plicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]	
Date extracted	-			07/06/2018	[NT]		[NT]	[NT]	07/06/2018		
Date analysed	-			08/06/2018	[NT]		[NT]	[NT]	08/06/2018		
Naphthalene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	101		
Acenaphthylene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	[NT]		
Acenaphthene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	[NT]		
Fluorene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	95		
Phenanthrene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	114		
Anthracene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	[NT]		
Fluoranthene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	117		
Pyrene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	113		
Benzo(a)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	[NT]		
Chrysene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	104		
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012	<0.2	[NT]		[NT]	[NT]	[NT]		
Benzo(a)pyrene	mg/kg	0.05	Org-012	<0.05	[NT]		[NT]	[NT]	111		
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	[NT]		
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	[NT]		
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	<0.1	[NT]		[NT]	[NT]	[NT]		
Surrogate p-Terphenyl-d14	%		Org-012	106	[NT]		[NT]	[NT]	124		

Envirolab Reference: 193449 Revision No: R00

Page | 14 of 20

QUALITY CO	NTROL: Organo	chlorine F	Pesticides in soil			Dι	ıplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]	
Date extracted	-			07/06/2018	[NT]		[NT]	[NT]	07/06/2018		
Date analysed	-			07/06/2018	[NT]		[NT]	[NT]	07/06/2018		
НСВ	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
alpha-BHC	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	83		
gamma-BHC	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
beta-BHC	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	82		
Heptachlor	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	91		
delta-BHC	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
Aldrin	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	90		
Heptachlor Epoxide	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	88		
gamma-Chlordane	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
alpha-chlordane	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
Endosulfan I	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
pp-DDE	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	97		
Dieldrin	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	103		
Endrin	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	88		
pp-DDD	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	74		
Endosulfan II	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
pp-DDT	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
Endrin Aldehyde	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
Endosulfan Sulphate	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	71		
Methoxychlor	mg/kg	0.1	Org-005	<0.1	[NT]		[NT]	[NT]	[NT]		
Surrogate TCMX	%		Org-005	109	[NT]		[NT]	[NT]	123		

Envirolab Reference: 193449 Revision No: R00

Page | 15 of 20

QUALIT	Y CONTRO	L: PCBs		Du	plicate		Spike Red	covery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			07/06/2018	[NT]		[NT]	[NT]	07/06/2018	
Date analysed	-			07/06/2018	[NT]		[NT]	[NT]	07/06/2018	
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	[NT]		[NT]	[NT]	[NT]	
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	[NT]		[NT]	[NT]	[NT]	
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	[NT]		[NT]	[NT]	[NT]	
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	[NT]		[NT]	[NT]	[NT]	
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	[NT]		[NT]	[NT]	[NT]	
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	[NT]		[NT]	[NT]	122	
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	[NT]		[NT]	[NT]	[NT]	
Surrogate TCLMX	%		Org-006	109	[NT]		[NT]	[NT]	104	

Envirolab Reference: 193449 Revision No: R00

Page | 16 of 20

QUALITY CONT	ROL: Acid E	xtractable		Du	plicate		Spike Re	covery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date prepared	-			07/06/2018	[NT]		[NT]	[NT]	07/06/2018	
Date analysed	-			08/06/2018	[NT]		[NT]	[NT]	08/06/2018	
Arsenic	mg/kg	4	Metals-020	<4	[NT]		[NT]	[NT]	106	
Cadmium	mg/kg	0.4	Metals-020	<0.4	[NT]		[NT]	[NT]	92	
Chromium	mg/kg	1	Metals-020	<1	[NT]		[NT]	[NT]	103	
Copper	mg/kg	1	Metals-020	<1	[NT]		[NT]	[NT]	112	
Lead	mg/kg	1	Metals-020	<1	[NT]		[NT]	[NT]	96	
Mercury	mg/kg	0.1	Metals-021	<0.1	[NT]		[NT]	[NT]	112	
Nickel	mg/kg	1	Metals-020	<1	[NT]		[NT]	[NT]	97	
Zinc	mg/kg	1	Metals-020	<1	[NT]		[NT]	[NT]	96	

Envirolab Reference: 193449 Revision No: R00

Page | 17 of 20

Result Definiti	ons
NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control	ol Definitions
Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.
	Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than commended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC

2011.

Envirolab Reference: 193449 Revision No: R00

Page | 18 of 20

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Envirolab Reference: 193449
Revision No: R00

Page | 19 of 20

Report Comments

Asbestos-ID in soil: NEPM

This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013.

This is reported outside our scope of NATA accreditation.

Envirolab Reference: 193449 Revision No: R00

Page | 20 of 20

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6290
Job No: /93449

Date Received: 06.06.2018
Time Received: 10:30
Received By: JE
Temp: 200/Ambient
Cooling: Ice/fspack
Scourity: lotaet/Broken/None

(envir gro	on &					Chair	of Cu	stody	/ Rec	ord						_	
Client De	etails:		ben@benvirong	st Gosford NSW 22						Project Manager:			Michael	Silk		Project #:	E1857	***
			ray@benvirong ryan@benviron ph: +61466 385 2	roup.com.au group.com.au	•					Sampleo	i By:		RM		-	Project Name:	Pennith	
Delivery	Details:		Envirolab Pty Ltd							Purchas	e Order #:		N/A			Quote#:		
i			12 Ashley Street, email: ahle@env ph: +612 9910 62		2067					Page #:			1			Turnaround time:	Standard	
	_	<u> </u>					-				Ana	alytes					-	Sample
#	Sample ID	Depth	Date Sampled	Matrix	TRH	втех	РАН	нм	oc	РСВ	Asbestos %w/w	рĦ	EC	Sulphates	Chlorides	Texture Analysis	Envirolab Suites	Comments
1	51	0-0.2	5.6.2018	Soil	×	я	×	×	1								Combo3	Keép
2	52	0-0.2	5.6.2018	Soil	×	ж	×	×	ж	x	х						Combo5a	Keep
Special	Directions a	nd Coments	:		_					-								_
Relinqui	shed by				Ryan Meader				Receive	d By		E	15				_	
Signatu				Rmenser					Signatu	re		يستنفس					courie	er.
Date					5.6.2018				Date	_		<u> </u>	25.48	10:2	<u> </u>			



Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details	
Client	Benviron Group
Attention	Michael Silk

Sample Login Details		
Your reference	E1857 - Penrith	
Envirolab Reference	193449	
Date Sample Received	06/06/2018	
Date Instructions Received	06/06/2018	
Date Results Expected to be Reported	14/06/2018	

Sample Condition	
Samples received in appropriate condition for analysis	YES
No. of Samples Provided	2 soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	8.4
Cooling Method	Ice
Sampling Date Provided	YES

Comments	
Nil	

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	Phone: 02 9910 6200
Fax: 02 9910 6201	Fax: 02 9910 6201
Email: ahie@envirolab.com.au	Email: jhurst@envirolab.com.au

Analysis Underway, details on the following page:



Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticidesin soil	PCBsin Soil	Acid Extractable metalsin soil	Asbestos ID - soils NEPM - ASB- 001
S1-0-0.2	✓	✓	✓			✓	
S2-0-0.2	✓	✓	✓	✓	✓	✓	✓

The '\sqrt{'} indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Site: 1 Station Lane, Penrith NSW

Page 74 of 74

APPENDIX M: SUMMARY TABLE

© Benviron Group

Table M1

	Samp	ole Informatio	on			н	leavy N	/letals (r	mg/kg)			TRH (mg/kg)		BTEX (mg/kg)						PAH (mg/kg)					OCP (mg/kg)								ASBE	STOS		
Label	Depth	Date	Soil Type	ARSENIC	САРМІЦМ	CHROMIUM	COPPER	LEAD	MERCURY	NICKEL	ZINC	F1 (C ₆ -C ₁₀) ²	F2 (>C ₁₀ -C ₁₆) ³	F1 (C ₆ -C ₁₀)	F2 (>C ₁₀ -C ₁₆)	F3 (C ₁₆ -C ₃₄)	F4 (C ₃₄ -C ₄₀)	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	NAPHTHALENE	BENZO(A)PYRENE	CARINOGENIC PAHs (as Bap TEQ)	тотаг ран	NAPHTHALENE	DDT + DDD + DDE	ALDRIN + DIELDRIN	CHLORDANE	ENDOSULFAN	HEPTACHLOR	нсв	METHOXYCHLOR	TOXAPHENE	DDT	TOTAL PCB	% w/w (AF /FA)	% w/w (ACM)
S1	0-0.2	05.06.2018	F- Silty Sand	<4	<0.	.4 8	13	36	<0.1	4	35	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	0.1	<0.5	1.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
S2	0-0.2	05.06.2018	F- Silty Sand	<4	<0.	.4 12	20	63	<0.1	6	66	<25		<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	0.2	<0.5	2.3	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	< 0.001	< 0.01
	Limit o	of Resolution (LC	OR)	4	0.4	4 1	1	1	0.1	1	1	25	50	25	50	100	100	0.2	0.5	1	1	1	0.05	0.5	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.01
	NEP	PM (2013) HIL B		500	15	0 500	30,00	0 1200	120	1,200	60,000													4	400		600	10	90	400	10	15	500	30		1		
		L & ESLs (inc site		100																						170									180			
NEPM (20	013) ESLs - (Co	oarse Grain Soil	- Sand / Gravel) 1									180	120			300	2,800	50	85	70	105		0.7															
		13) HSL A & B (SAND)																																			
		0m to <1m	, <u> </u>										110					0.5	160	55	40	3																
	Soil Saturati	on Concentratio	on (Csat)									950	560					360	560	64	300	9																
NEPM (2013) Manag	gement Limit (Co	oarse Grain Soil)											700 1	L,000 :	2,500	10,000																					
	NEPM (2	013) HSL - Asbe	stos																																			
	%w/w as	sbestos for FA a	nd AF																																		0.001%	
		os for ACM - Re																																				0.01%

Urban residential / public open space is broadly equivalent to the HIL-A, HIL-B and HIL-C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7. To obtain F1 subtract the sum of BTEX concentrations from the C6-C10 fraction. To obtain F2 subtract naphthalene from the >C 10° C16 fraction. Calculated HSL is Non Limiting per NEPM (2013)