

Chain of Custody EnviroLab 1091

[illegible]



IMS0 Forms013 - Chain of Custody - Generic

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: CHATSWOOD HIGHSCHOOL
Project ID: 55579

Order No.:
Report #: 682072
Phone: 02 8245 0300
Fax:

Received: Oct 11, 2019 5:22 PM
Due: Oct 18, 2019
Priority: 5 Day
Contact Name: Daniel Denaro

Eurofins Analytical Services Manager : Ursula Long

Sample Detail						Asbestos - WA guidelines	HOLD	BTEX	Moisture Set	Eurofins mgt Suite B7
Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X
Sydney Laboratory - NATA Site # 18217						X				
Brisbane Laboratory - NATA Site # 20794										
Perth Laboratory - NATA Site # 23736										
External Laboratory										
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID					
1	BH_P_13 0.1-0.2	Oct 10, 2019		Soil	S19-Oc17149	X			X	X
2	BH_P_13 0.5-0.6	Oct 10, 2019		Soil	S19-Oc17150	X			X	X
3	BH_P_14 0.4-0.5	Oct 10, 2019		Soil	S19-Oc17151	X			X	X
4	QC01	Oct 10, 2019		Soil	S19-Oc17152	X			X	X
5	TS	Oct 10, 2019		Water	S19-Oc17153			X		
6	TB	Oct 10, 2019		Water	S19-Oc17154			X		
7	RINSATE	Oct 10, 2019		Water	S19-Oc17155					X

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Sydney Laboratory - NATA Site # 18217						X				
Brisbane Laboratory - NATA Site # 20794										
Perth Laboratory - NATA Site # 23736										
8	BH_P_12 0.1-0.2	Oct 11, 2019		Soil	S19-Oc17156	X			X	X
9	BH_P_16 0.4-0.5	Oct 11, 2019		Soil	S19-Oc17157	X			X	X
10	BH_P_13 1.0-1.1	Oct 10, 2019		Soil	S19-Oc17158		X			
11	BH_P_14 0.0-0.1	Oct 10, 2019		Soil	S19-Oc17159		X			
12	BH_P_14 0.9-1.0	Oct 10, 2019		Soil	S19-Oc17160		X			
13	BH_P_12 0.4-0.5	Oct 11, 2019		Soil	S19-Oc17161		X			
14	BH_P_12 0.9-1.0	Oct 11, 2019		Soil	S19-Oc17162		X			

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Sydney Laboratory - NATA Site # 18217						X				
Brisbane Laboratory - NATA Site # 20794										
Perth Laboratory - NATA Site # 23736										
15	BH_P_16 0.0-0.1	Oct 11, 2019		Soil	S19-Oc17163		X			
16	BH_P_16 0.9-1.0	Oct 11, 2019		Soil	S19-Oc17164		X			
17	BH_P_16 1.4-1.5	Oct 11, 2019		Soil	S19-Oc17165		X			
18	BH_P_16 1.9-2.0	Oct 11, 2019		Soil	S19-Oc17166		X			
Test Counts						6	9	2	6	7

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NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025-Testing
 The results of the tests, calibrations and/or
 measurements included in this document are traceable
 to Australian/national standards.

Attention: Daniel Denaro
Report 682072-AID
Project Name CHATSWOOD HIGHSCHOOL
Project ID 55579
Received Date Oct 11, 2019
Date Reported Oct 18, 2019

Methodology:

Asbestos Fibre
 Identification

Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques.

NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.

Unknown Mineral
 Fibres

Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity.

NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.

Subsampling Soil
 Samples

The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed.

NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.

Bonded asbestos-
 containing material
 (ACM)

The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 4964 - 2004.

NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.

Limit of Reporting

The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w).

The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk).

NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.

Project Name CHATSWOOD HIGHSCHOOL
Project ID 55579
Date Sampled Oct 10, 2019 to Oct 11, 2019
Report 682072-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
BH_P_13 0.1-0.2	19-Oc17149	Oct 10, 2019	Approximate Sample 660g Sample consisted of: Brown coarse-grained soil, rocks and bituminous fragments	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH_P_13 0.5-0.6	19-Oc17150	Oct 10, 2019	Approximate Sample 474g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH_P_14 0.4-0.5	19-Oc17151	Oct 10, 2019	Approximate Sample 629g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
QC01	19-Oc17152	Oct 10, 2019	Approximate Sample 430g Sample consisted of: Brown coarse-grained soil, rocks and bituminous fragments	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH_P_12 0.1-0.2	19-Oc17156	Oct 11, 2019	Approximate Sample 422g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH_P_16 0.4-0.5	19-Oc17157	Oct 11, 2019	Approximate Sample 375g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description

Asbestos - LTM-ASB-8020

Testing Site

Sydney

Extracted

Oct 11, 2019

Holding Time

Indefinite

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4	QC01	Oct 10, 2019		Soil	S19-Oc17152	X			X	X
5	TS	Oct 10, 2019		Water	S19-Oc17153			X		
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17	BH_P_16 1.4-1.5	Oct 11, 2019		Soil	S19-Oc17165		X			
18	BH_P_16 1.9-2.0	Oct 11, 2019		Soil	S19-Oc17166		X			
Test Counts						6	9	2	6	7

Internal Quality Control Review and Glossary

General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
5. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w: weight for weight basis	grams per kilogram
Filter loading:	fibres/100 graticule areas
Reported Concentration:	fibres/mL
Flowrate:	L/min

Terms

Dry	Sample is dried by heating prior to analysis
LOR	Limit of Reporting
COC	Chain of Custody
SRA	Sample Receipt Advice
ISO	International Standards Organisation
AS	Australian Standards
WA DOH	Reference document for the NEPM. Government of Western Australia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia (2009), including supporting document Recommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)
NEPM	National Environment Protection (Assessment of Site Contamination) Measure, 2013 (as amended)
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded and/or sound condition. For the purposes of the NEPM, ACM is generally restricted to those materials that do not pass a 7mm x 7mm sieve.
AF	Asbestos Fines. Asbestos containing materials, including friable, weathered and bonded materials, able to pass a 7mm x 7mm sieve. Considered under the NEPM as equivalent to "non-bonded / friable".
FA	Fibrous Asbestos. Asbestos containing materials in a friable and/or severely weathered condition. For the purposes of the NEPM, FA is generally restricted to those materials that do not pass a 7mm x 7mm sieve.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess degree of friability.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres in the matrix.

Comments

S19-Oc17150, S19-Oc17152, S19-Oc17156, S19-Oc17157: Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Laxman Dias Senior Analyst-Asbestos (NSW)

Authorised by:

Sayeed Abu Senior Analyst-Asbestos (NSW)



Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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Attention: Daniel Denaro

Report 682072-S
Project name CHATSWOOD HIGHSCHOOL
Project ID 55579
Received Date Oct 11, 2019

Client Sample ID			BH_P_13 0.1-0.2	BH_P_13 0.5-0.6	BH_P_14 0.4-0.5	QC01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S19-Oc17149	S19-Oc17150	S19-Oc17151	S19-Oc17152
Date Sampled			Oct 10, 2019	Oct 10, 2019	Oct 10, 2019	Oct 10, 2019
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	89	84	93	133
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	0.9	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	1.2	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.5	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	0.6	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	0.7	< 0.5	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	0.8	< 0.5	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	0.7	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	0.7	< 0.5	< 0.5

Client Sample ID			BH_P_13 0.1-0.2	BH_P_13 0.5-0.6	BH_P_14 0.4-0.5	QC01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S19-Oc17149	S19-Oc17150	S19-Oc17151	S19-Oc17152
Date Sampled			Oct 10, 2019	Oct 10, 2019	Oct 10, 2019	Oct 10, 2019
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	0.8	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	0.9	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	5.2	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	73	76	75	70
p-Terphenyl-d14 (surr.)	1	%	71	72	77	64
Heavy Metals						
Arsenic	2	mg/kg	13	16	5.9	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	12	10.0	15	14
Copper	5	mg/kg	35	50	18	39
Lead	5	mg/kg	53	37	21	48
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	8.6	7.0	< 5
Zinc	5	mg/kg	36	49	38	40
% Moisture	1	%	20	23	14	22

Client Sample ID			BH_P_12 0.1-0.2	BH_P_16 0.4-0.5
Sample Matrix			Soil	Soil
Eurofins Sample No.			S19-Oc17156	S19-Oc17157
Date Sampled			Oct 11, 2019	Oct 11, 2019
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				
TRH C6-C9	20	mg/kg	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50
BTEX				
Benzene	0.1	mg/kg	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	90	83
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	< 50	< 50

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Sample Matrix			Soil	Soil
Eurofins Sample No.			S19-Oc17156	S19-Oc17157
Date Sampled			Oct 11, 2019	Oct 11, 2019
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				
TRH >C16-C34	100	mg/kg	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100
Polycyclic Aromatic Hydrocarbons				
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	75	76
p-Terphenyl-d14 (surr.)	1	%	73	81
Heavy Metals				
Arsenic	2	mg/kg	5.3	5.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4
Chromium	5	mg/kg	15	21
Copper	5	mg/kg	69	37
Lead	5	mg/kg	24	38
Mercury	0.1	mg/kg	< 0.1	< 0.1
Nickel	5	mg/kg	6.0	5.4
Zinc	5	mg/kg	26	24
% Moisture	1	%	19	21

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Eurofins mgt Suite B7			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Oct 16, 2019	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Melbourne	Oct 16, 2019	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Oct 16, 2019	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Oct 16, 2019	
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Melbourne	Oct 16, 2019	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Melbourne	Oct 16, 2019	180 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Melbourne	Oct 11, 2019	14 Days
- Method: LTM-GEN-7080 Moisture			

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000
Project Name: CHATSWOOD HIGHSCHOOL
Project ID: 55579

Order No.:
Report #: 682072
Phone: 02 8245 0300
Fax:

Received: Oct 11, 2019 5:22 PM
Due: Oct 18, 2019
Priority: 5 Day
Contact Name: Daniel Denaro

Eurofins Analytical Services Manager : Ursula Long

Sample Detail						Asbestos - WA guidelines	HOLD	BTEX	Moisture Set	Eurofins mgt Suite B7
Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X
Sydney Laboratory - NATA Site # 18217						X				
Brisbane Laboratory - NATA Site # 20794										
Perth Laboratory - NATA Site # 23736										
External Laboratory										
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID					
1	BH_P_13 0.1-0.2	Oct 10, 2019		Soil	S19-Oc17149	X			X	X
2	BH_P_13 0.5-0.6	Oct 10, 2019		Soil	S19-Oc17150	X			X	X
3	BH_P_14 0.4-0.5	Oct 10, 2019		Soil	S19-Oc17151	X			X	X
4	QC01	Oct 10, 2019		Soil	S19-Oc17152	X			X	X
5	TS	Oct 10, 2019		Water	S19-Oc17153			X		
6	TB	Oct 10, 2019		Water	S19-Oc17154			X		
7	RINSATE	Oct 10, 2019		Water	S19-Oc17155					X

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X
Sydney Laboratory - NATA Site # 18217						X				
Brisbane Laboratory - NATA Site # 20794										
Perth Laboratory - NATA Site # 23736										
8	BH_P_12 0.1-0.2	Oct 11, 2019		Soil	S19-Oc17156	x			x	x
9	BH_P_16 0.4-0.5	Oct 11, 2019		Soil	S19-Oc17157	x			x	x
10	BH_P_13 1.0-1.1	Oct 10, 2019		Soil	S19-Oc17158		x			
11	BH_P_14 0.0-0.1	Oct 10, 2019		Soil	S19-Oc17159		x			
12	BH_P_14 0.9-1.0	Oct 10, 2019		Soil	S19-Oc17160		x			
13	BH_P_12 0.4-0.5	Oct 11, 2019		Soil	S19-Oc17161		x			
14	BH_P_12 0.9-1.0	Oct 11, 2019		Soil	S19-Oc17162		x			

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Sample Detail						Asbestos - WA guidelines	HOLD	BTEX	Moisture Set	Eurofins mgt Suite B7
Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X
Sydney Laboratory - NATA Site # 18217						X				
Brisbane Laboratory - NATA Site # 20794										
Perth Laboratory - NATA Site # 23736										
15	BH_P_16 0.0-0.1	Oct 11, 2019		Soil	S19-Oc17163		X			
16	BH_P_16 0.9-1.0	Oct 11, 2019		Soil	S19-Oc17164		X			
17	BH_P_16 1.4-1.5	Oct 11, 2019		Soil	S19-Oc17165		X			
18	BH_P_16 1.9-2.0	Oct 11, 2019		Soil	S19-Oc17166		X			
Test Counts						6	9	2	6	7

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per kilogram

mg/L: milligrams per litre

ug/L: micrograms per litre

ppm: Parts per million

ppb: Parts per billion

%: Percentage

org/100mL: Organisms per 100 millilitres

NTU: Nephelometric Turbidity Units

MPN/100mL: Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery.
CRM	Certified Reference Material - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	US Department of Defense Quality Systems Manual Version 5.3
CP	Client Parent - QC was performed on samples pertaining to this report
NC	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 20-130% Phenols & 50-150% PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.3 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	95			70-130	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
TRH C10-C14			%	127			70-130	Pass	
LCS - % Recovery									
BTEX									
Benzene			%	92			70-130	Pass	
Toluene			%	98			70-130	Pass	
Ethylbenzene			%	106			70-130	Pass	
m&p-Xylenes			%	100			70-130	Pass	
Xylenes - Total			%	101			70-130	Pass	
LCS - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions									
Naphthalene			%	105			70-130	Pass	
TRH C6-C10			%	94			70-130	Pass	
TRH >C10-C16			%	123			70-130	Pass	
LCS - % Recovery									
Polycyclic Aromatic Hydrocarbons									
Acenaphthene			%	106			70-130	Pass	
Acenaphthylene			%	106			70-130	Pass	
Anthracene			%	94			70-130	Pass	
Benz(a)anthracene			%	94			70-130	Pass	
Benzo(a)pyrene			%	92			70-130	Pass	
Benzo(b&j)fluoranthene			%	116			70-130	Pass	
Benzo(g,h,i)perylene			%	106			70-130	Pass	
Benzo(k)fluoranthene			%	105			70-130	Pass	
Chrysene			%	103			70-130	Pass	
Dibenz(a,h)anthracene			%	83			70-130	Pass	
Fluoranthene			%	86			70-130	Pass	
Fluorene			%	104			70-130	Pass	
Indeno(1.2.3-cd)pyrene			%	94			70-130	Pass	
Naphthalene			%	82			70-130	Pass	
Phenanthrene			%	97			70-130	Pass	
Pyrene			%	85			70-130	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	105			80-120	Pass	
Cadmium			%	89			80-120	Pass	
Chromium			%	112			80-120	Pass	
Copper			%	111			80-120	Pass	
Lead			%	112			80-120	Pass	
Mercury			%	89			75-125	Pass	
Nickel			%	107			80-120	Pass	
Zinc			%	108			80-120	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	S19-Oc15566	NCP	%	81			70-130	Pass	
TRH C10-C14	M19-Oc18771	NCP	%	122			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S19-Oc15566	NCP	%	84			70-130	Pass	
Toluene	S19-Oc15566	NCP	%	91			70-130	Pass	
Ethylbenzene	S19-Oc15566	NCP	%	90			70-130	Pass	
m&p-Xylenes	S19-Oc15566	NCP	%	85			70-130	Pass	
o-Xylene	S19-Oc15566	NCP	%	88			70-130	Pass	
Xylenes - Total	S19-Oc15566	NCP	%	86			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S19-Oc15566	NCP	%	86			70-130	Pass	
TRH C6-C10	S19-Oc15566	NCP	%	80			70-130	Pass	
TRH >C10-C16	M19-Oc18771	NCP	%	118			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M19-Oc22602	NCP	%	52			75-125	Fail	Q08
Cadmium	M19-Oc22602	NCP	%	76			75-125	Pass	
Chromium	M19-Oc22602	NCP	%	92			75-125	Pass	
Copper	M19-Oc22602	NCP	%	85			75-125	Pass	
Lead	M19-Oc22602	NCP	%	94			75-125	Pass	
Mercury	M19-Oc22602	NCP	%	83			70-130	Pass	
Nickel	M19-Oc22602	NCP	%	80			75-125	Pass	
Zinc	M19-Oc22602	NCP	%	77			75-125	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S19-Oc17152	CP	%	92			70-130	Pass	
Acenaphthylene	S19-Oc17152	CP	%	89			70-130	Pass	
Anthracene	S19-Oc17152	CP	%	83			70-130	Pass	
Benz(a)anthracene	S19-Oc17152	CP	%	83			70-130	Pass	
Benzo(a)pyrene	S19-Oc17152	CP	%	79			70-130	Pass	
Benzo(b&j)fluoranthene	S19-Oc17152	CP	%	94			70-130	Pass	
Benzo(g,h,i)perylene	S19-Oc17152	CP	%	78			70-130	Pass	
Benzo(k)fluoranthene	S19-Oc17152	CP	%	93			70-130	Pass	
Chrysene	S19-Oc17152	CP	%	91			70-130	Pass	
Dibenz(a,h)anthracene	S19-Oc17152	CP	%	78			70-130	Pass	
Fluoranthene	S19-Oc17152	CP	%	76			70-130	Pass	
Fluorene	S19-Oc17152	CP	%	86			70-130	Pass	
Indeno(1,2,3-cd)pyrene	S19-Oc17152	CP	%	74			70-130	Pass	
Naphthalene	S19-Oc17152	CP	%	72			70-130	Pass	
Phenanthrene	S19-Oc17152	CP	%	84			70-130	Pass	
Pyrene	S19-Oc17152	CP	%	74			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	M19-Oc17543	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S19-Oc15085	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S19-Oc15085	NCP	mg/kg	210	220	3.0	30%	Pass	
TRH C29-C36	S19-Oc15085	NCP	mg/kg	540	540	1.0	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M19-Oc17543	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	M19-Oc17543	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	M19-Oc17543	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	M19-Oc17543	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	M19-Oc17543	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total	M19-Oc17543	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	M19-Oc17543	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	M19-Oc17543	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S19-Oc15085	NCP	mg/kg	< 50	< 50	<1	30%	Pass	

Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M19-Oc22600	NCP	mg/kg	35	51	39	30%	Fail
Cadmium	M19-Oc22600	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M19-Oc22600	NCP	mg/kg	19	19	2.0	30%	Pass
Copper	M19-Oc22600	NCP	mg/kg	13	13	<1	30%	Pass
Lead	M19-Oc22600	NCP	mg/kg	25	25	2.0	30%	Pass
Mercury	M19-Oc22600	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M19-Oc22600	NCP	mg/kg	19	19	1.0	30%	Pass
Zinc	M19-Oc22600	NCP	mg/kg	59	57	4.0	30%	Pass
Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Acenaphthene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Acenaphthylene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Anthracene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benz(a)anthracene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(a)pyrene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(b&j)fluoranthene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(g,h,i)perylene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(k)fluoranthene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chrysene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibenz(a,h)anthracene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluoranthene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluorene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Naphthalene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Phenanthrene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Pyrene	S19-Oc17151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
% Moisture	S19-Oc17151	CP	%	14	14	2.0	30%	Pass

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised By

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Glenn Jackson General Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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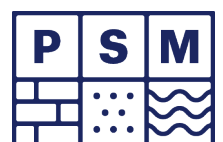
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B	Michael Swinfield/ Daniel Denaro	Daniel Denaro	Matthew Bennett		28/10/2019



Appendix G

JBS&G Hazardous Material Assessment Report



Appendix G1

Chatswood High School





Pells Sullivan Meynink
Hazardous Building Materials Survey

Chatswood High School
24 Centennial Avenue, Chatswood, NSW

15 March 2019

55579/120,669 (Rev 0)

JBS&G

Pells Sullivan Meynink
Hazardous Building Materials Survey
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
15 March 2019
55579/120,669 (Rev 0)
JBS&G

Table of Contents

Abbreviations.....	v
1. Introduction.....	1
1.1 Background.....	1
1.2 Objectives.....	1
1.3 Hazardous Materials Survey Limitations.....	2
1.4 Previous Hazardous Material and Asbestos Survey Works.....	3
1.4.1 AECOM (2014) – Asbestos Register	3
1.4.2 Douglas Partners (2018) – Hazardous Building Materials Register	3
2. Methodology	4
2.1 Hazardous Materials.....	4
2.1.1 Asbestos Containing Materials and Asbestos Containing Dust	4
2.1.2 Lead Based Paint	4
2.1.3 Lead Containing Dust	4
2.1.4 Polychlorinated Biphenyls.....	4
2.1.5 Synthetic Mineral Fibres	5
2.2 Inaccessible Areas	5
3. Site Description.....	6
3.1 Building A.....	7
3.2 Building B.....	8
3.3 Building C.....	9
3.4 Building D	10
3.5 Building E	11
3.6 Building F	12
3.7 Building H	13
3.8 Building I.....	14
3.9 Building J.....	15
3.10 Building K.....	16
3.11 Building L	16
3.12 Building M.....	16
3.13 Building N	17
3.14 Building Z	17
3.15 Building AA	17
3.16 Building BB.....	18
3.17 Demountable structures	18
3.18 General Site	19
4. Results.....	20

4.1	Hazardous Materials.....	20
4.1.1	Asbestos Containing Materials	20
4.1.2	Asbestos Containing Dust	21
4.1.3	Lead Containing Dust	21
4.1.4	Lead Based Paints	22
4.1.5	Polychlorinated Biphenyls.....	22
4.1.6	Synthetic Mineral Fibres	22
4.2	Inaccessible Areas	22
5.	Conclusions and Recommendations.....	23
5.1	Hazardous Materials.....	23
5.1.1	Friable Asbestos Containing Dust	23
5.1.2	Non-Friable Asbestos Containing Materials	23
5.1.3	Lead Containing Dust	24
5.1.4	Lead Based Paints	24
5.1.5	Synthetic Mineral Fibres	24
5.1.6	Polychlorinated Biphenyls.....	24
5.2	Inaccessible Areas	24
5.3	Unexpected Finds	24
6.	Limitations	26

List of Tables

Table A: Asbestos Results Summary Table	20
Table B: Asbestos Dust Results Summary Table	21
Table C: Lead Dust Results Summary Table	21
Table D: Lead Paint Results Summary Table	22

List of Figures

Figure 1	Site Location
Figure 2	Site Layout
Figure 3	Floor Plans

Appendices

Appendix A	Hazardous Materials Register
Appendix B	Photographs
Appendix C	Laboratory Analysis Reports and Chain of Custody Documentation

Abbreviations

Term	Definition
AC	Asbestos Cement
ACM	Asbestos Containing Material
ACD	Asbestos Containing Dust
ANZECC	Australian and New Zealand Environment Conservation Council
AMP	Asbestos Management Plan
COC	Chain of Custody
EPA NSW	Environmental Protection Authority, New South Wales
FA	Friable Asbestos
HIL	Health Investigation Levels
HSL	Health Screening Levels
JBS&G	JBS&G Australia Pty Ltd
LAA	Licensed Asbestos Assessor
LCD	Lead Containing Dust
LOR	Limit of Reporting
LP	Lead Paint
NATA	National Association of Testing Authorities, Australia
NEPC	National Environmental Protection Council
NEPM	National Environmental Protection Measure
PCB	Polychlorinated Biphenyls
PPE	Personal Protective Equipment
SMF	Synthetic Mineral Fibre
SWA	Safe Work Australia
WHS (WH&S)	Workplace Health and Safety

1. Introduction

1.1 Background

JBS&G Australia Pty Ltd (JBS&G) was engaged by Pells Sullivan Meynink (PSM, the client) to undertake a pre-demolition hazardous building materials survey (HBMS) of the structures within Chatswood High School located at 24 Centennial Avenue, Chatswood, NSW (the site). The site is legally identified as Lot 1 in DP 725204, Lots 20, 21, 22, 23 in Section 6 DP2273, Lots 18, 19, 20, 21 in Section 7 DP2273, and Lots 16, 17, 18, 19, 20 in Section 8 DP2273, as shown on **Figure 1** and **Figure 2**.

It is understood that Chatswood High School, in conjunction with the nearby Chatswood Public School, are to be redeveloped to form the Chatswood Education Precinct. The site is proposed to be redeveloped to form a new site for the Chatswood Public School (years K-6) and also incorporate a junior campus for the Chatswood High School (years 7-9).

As part of these works, only three structures on the site are proposed to be retained and refurbished with all remaining structures to be demolished. The structures proposed to be demolished and retained are shown on **Figure 2**.

A number of previous hazardous building materials registers have been prepared for the site, with the most recent completed by Douglas Partners in January 2018 (DP 2018¹) and AECOM in 2014 (AECOM 2014²). Both DP 2018 and AECOM 2014 survey reports and registers were made available to JBS&G prior to the completion of these works.

The structures on the site were inspected for the following hazardous materials:

- Asbestos containing material (ACM);
- Asbestos containing dust (ACD);
- Lead based paint (LP);
- Lead containing dust (LCD)
- Synthetic mineral fibres (SMF); and
- Polychlorinated biphenyls (PCB).

1.2 Objectives

The objective of the HBMS was to determine the presence, quantity and condition of any hazardous materials within the buildings prior to proposed demolition and refurbishment works.

The HBMS and production of this report have been undertaken in accordance with the requirements of:

- *Work Health and Safety Act (2011);*
- *Work Health and Safety Regulation (2017);*
- *How to Safely Remove Asbestos Code of Practice, Safe Work Australia, (2018) (SWA 2018a);*
- *How to Manage and Control Asbestos in the Workplace Code of Practice, Safe Work Australia (2018) (SWA 2018b);*

¹ *Hazardous Building Materials (HBM) Register, Chatswood High School. 24 Centennial Ave, Chatswood, NSW 2067. Douglas Partners Pty Ltd, Ref: 86260.03.R.002.Rev0, issued 15 March 2018 (DP 2018).*

² *Asbestos Register, Chatswood Public School. AECOM Pty Ltd, issued 19 October 2014 (AECOM 2014)*

- Australian Standard 4361.2 (1998) *Guide to Lead Paint Management - Part 2: Residential and Commercial Buildings* (AS4361.2-1998);
- Australian Standard 4361.2 (2017) *Guide to Hazardous Paint Management - Part 2: Lead Paint in Residential, Public and Commercial Buildings* (AS4361.2-2017);
- National Occupational Health and Safety Commission's *National Standard for Synthetic Mineral Fibres* [NOHSC:1004(1990)];
- National Occupational Health and Safety Commission's *National Code of Practice for the Safe Use of Synthetic Mineral Fibres*, [NOHSC:2006(1990)]; and
- Australian and New Zealand Environment Conservation Council's *Identification of PCB-containing Capacitors: An information booklet for Electricians and Electrical Contractors*, (ANZECC 1997).

1.3 Hazardous Materials Survey Limitations

Whilst all reasonable care has been taken by JBS&G during the completed HBMS, this report is limited due to:

- Only safely accessible areas of the site were surveyed.
- Access restrictions to operational areas such as energised services, gas, air conditioning/heating, pressurised vessels, chemical lines etc.
- Potential materials located in areas in which they could not reasonably be envisaged or anticipated.
- No intrusive works were conducted during this investigation.
- Limited access to internal building components e.g. set floor, walls, ceiling cavities etc., in which case only representative areas were inspected with the hand tools available to the JBS&G consultants for destructive investigation.
- Access restrictions to areas above 3 metres or any area deemed inaccessible without the use of specialised equipment.
- Service pits, confined spaces, voids, cavities within the building structure and internal areas of plant and equipment that could not be safely accessed.

It should be noted that buildings built between the 1930s - 1980s may have general occurrences of ACMs in areas which are not readily accessible with the hand tools available for the survey. These areas and materials include, inter alia:

- Fibre Cement Sheeting (FCS) used as packing to bearers and joists in the underfloor void or as boxing/shuttering to concrete formwork;
- FCS packing between window/door frames and timber studs; and
- Compressed FCS underneath tiled floor areas.

Whilst all care is taken by the consultants to uncover hidden materials, not all areas can be accessed within the allowable timeframe without more industrial (power) tools. As such, only minor destructive sampling techniques were employed to gain access. Consequently, without substantial demolition of the building, it is not possible to guarantee that every source of hazardous material has been detected. JBS&G recommends that areas inaccessible during the survey be inspected as the demolition progresses. If suspected hazardous materials are observed, confirm the presence or absence of hazardous materials through laboratory testing.

In the event suspected hazardous materials are identified during strip out or demolition which are not included in this report, JBS&G recommends that works should cease and an assessment of the materials undertaken by a competent person for further appropriate recommendations.

No one section or part of a section of this report is to be taken as giving an overall idea of this report. Each section is to be read in conjunction with the whole of this report, including the appendices and attachments.

1.4 Previous Hazardous Material and Asbestos Survey Works

1.4.1 AECOM (2014) – Asbestos Register

An Asbestos Register re-inspection (AECOM 2014) was undertaken by AECOM in October 2014. The inspection included the re-assessment of previously identified ACM, sampling of previously unidentified ACM and details of the ACM locations. According to the report, the typical types of ACM found present within the buildings is summarised below:

- Various coloured vinyl floor tiles within internal areas;
- Fibre cement sheeting to internal ceilings and walls; and
- Fibre cement debris and packers within subfloor voids.

The information presented in AECOM 2014 was used in the preparation of this report.

1.4.2 Douglas Partners (2018) – Hazardous Building Materials Register

A Hazardous Building Materials Register (DP 2018) was undertaken by Douglas Partners in February 2018. The inspection included the re-assessment of previously identified ACM in AECOM 2014, sampling and identification of previously unidentified ACM and other hazardous materials, and details of the hazardous materials locations. According to the report, the typical types of ACM and hazardous materials found present within the buildings is summarised below:

- Various coloured vinyl floor tiles within internal areas;
- Fibre cement sheeting to internal ceilings and walls;
- Fibre cement debris and packers within subfloor voids;
- Lead based paints to internal and external surfaces;
- Lead containing dust within roof voids;
- SMF insulation in various forms within roof voids, and to boiler and air conditioning plant; and
- PCB containing capacitors to fluorescent light fittings.

The information presented in DP 2018 was used in the preparation of this report.

2. Methodology

2.1 Hazardous Materials

2.1.1 Asbestos Containing Materials and Asbestos Containing Dust

Representative samples of suspected ACMs and ACDs were collected where possible and placed into a zip-lock bags. These were subsequently delivered to a NATA accredited laboratory for analysis using polarised light microscopy in conjunction with dispersion staining techniques. Similar materials to those analysed or other materials known to contain asbestos from the consultant's experience (e.g. Electrical backing boards, corrugated asbestos cement roofs and older fibre cement sheeting) or materials not accessible may also be assumed to contain asbestos as per the relevant Code of Practice.

At the time of inspection, the following details were recorded:

- Location;
- Type of material;
- Accessibility;
- Condition;
- Friability; and
- Volume/dimensions.

2.1.2 Lead Based Paint

Australian Standard AS4361.2 (2017) *Guide to Hazardous Paint Management - Part 2: Lead Paint in Residential, Public and Commercial Buildings* defines lead paints as those in which the lead content (calculated as lead metal) is in excess of 0.1 percent by weight of the dry film. This can be determined by field spot tests, laboratory testing or the use of portable X-ray fluorescence (XRF) field tests. JBS&G utilises XRF technology as a screening tool for the identification of lead based paints in the field. Any detection of lead (i.e. greater than 0.0 mg/cm²) was adopted for the assessment of lead based paints for this investigation with representative samples collected where possible and delivered to a NATA accredited laboratory for analysis using inductively coupled plasma optical emission spectrometry (ICP-OES).

2.1.3 Lead Containing Dust

Representative samples of accumulated or settled dust were collected and delivered to a NATA accredited laboratory for analysis via ICP-OES. A conservative assessment criteria was adopted for this investigation given the potential for human exposure and the readily disturbed and uncontained nature of accumulated or settled dust.

Concentrations of lead within accumulated or settled dust were compared against the health investigation level (HIL) for residential sites with garden/accessible soil of 300 mg/kg as outlined in National Environment Protection Measure (NEPC 2013) guidelines.

2.1.4 Polychlorinated Biphenyls

Old fluorescent light fittings and other appliances which may contain capacitors containing PCB dielectric oil are identified by inspection and evaluation with the consultant's experience of similar light fittings and appliances. Alternatively, where possible and when it was safe to do so, a representative light fitting was opened to reveal the capacitor and the make and model recorded to be compared against the ANZECC (1997) list of PCB containing capacitors.

2.1.5 Synthetic Mineral Fibres

SMF containing materials were either sampled as per the asbestos methodology or assumed to contain SMF from the consultant's experience of similar materials.

2.2 Inaccessible Areas

As per SWA2018b, any areas not accessible must be recorded as such. Where hazardous materials are suspected to be contained within inaccessible areas, these shall be documented in this report and the associated Hazardous Materials Register (**Appendix A**).

3. Site Description

The HBMS was conducted between 21 and 23 January 2019 by Stuart Lumsden and Matt O'Brien, two of JBS&G's experienced hazardous materials surveyors and SafeWork NSW Licensed Asbestos Assessors (LAA 001140 and LAA 001093).

The site was bound by Centennial Avenue to the north, Eddy Road to the south, residential properties to the east, and residential properties and Dardanelles Road to the west. At the time of inspection, the site was still an operational high school, however, the inspection was undertaken during school holidays and only minimal staff were present.

The site comprised 47 structures with a combination of demountable buildings, fixed buildings, shade structures and covered walkways, as shown on **Figure 2**, and identified as follows:

- 16 fixed buildings:
 - Buildings A to F – the six two-storey structures constructed in a 'V' shape within the northern portion;
 - Building H – the three storey structure in the central portion;
 - Building I – the single storey structure in the centre of the 'V' shape within the northern portion;
 - Building J – the single storey hexagonal shaped structure in the northern portion;
 - Building K – the modern two storey structure in the central portion;
 - Building L – the modern single storey structure in the western portion;
 - Building M – the modern three storey structure in the central portion;
 - Building N – the modern single storey structure south of Building J;
 - Building Z – the small structure adjacent the northern boundary;
 - Building AA – the single storey structure adjacent the eastern boundary (within the Chatswood Public School Bush Campus);
 - Building BB – the small structure in the north-east portion.
- 26 demountable buildings:
 - D12306, D12329, D12310, D11930, D14056, D15165 & D13351 – located in the north-west corner;
 - D12172, D11711, D13214, D15949 & D12213 – located in the western portion;
 - D13350, D12214, D13940, D12730 & D15800 – located south of Building D; and
 - D15506, D11656, D13810, D11641, D17427, D19546, D16545, D18363 & D18368 – located in the north-east portion.
- Five shade and walkway structures:
 - Shade Structure 1 (SS1) – large undercover area adjacent Building B;
 - Shade Structure 2 (SS2) – large undercover area adjacent Building H;
 - Shade Structure 3 (SS3) – small undercover area adjacent north boundary;
 - Covered Walkway 1 (CW1) – under cover walkway between Building F and Building H; and
 - Covered Walkway 2 (CW2) – under cover walkway between Building B and Building I.

Photographs taken during the HBMS are presented in **Appendix B**. The type, location, friability, accessibility and approximate quantities of identified and suspected hazardous materials are provided in the Hazardous Materials Register in **Appendix A**. A summary of the observations made during the HBMS is included in the following sections.

3.1 Building A

Building A was identified as the two-storey structure within the northern portion of the site, forming the north-west section of the 'V' shape. Building A was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building A comprised exposed brick and concrete external walls, concrete tile roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing grey vinyl floor tiles (A-A01) were identified beneath carpet flooring in Room R1001. This material was also identified to Rooms R1004, R1006, R1008 and R1010.
- Asbestos containing brown vinyl floor tiles (A-A02) were identified to Room R1010.
- A representative sample of the black adhesive (A-A05) below the ACM vinyl floor tiles throughout the first floor was collected from Room R1010 and found not to contain asbestos.
- Asbestos containing fibre cement sheeting (A-A07) was identified to the soffit linings of the east and west entries (R0011 & R0017).
- Non-asbestos containing bituminous sarking (A-A06) was identified to the underside of the roof throughout the roof void.
- Asbestos containing fibre cement sheeting (refer sample A-A03, DP 2018) was identified to the ceiling of Room R1007.
- Asbestos containing accumulated dust (A-AD02) was identified to the floor of Room R1007. The asbestos was identified within a weathered fibre cement fragment and is likely as a result of damage to the ACM ceiling lining. The weathered nature of the identified fibre cement fragment results in this asbestos hazard being deemed to be friable asbestos.
- Elevated levels of lead within accumulated dust above the adopted site criteria was identified within the building as follows:
 - A lead concentration of 940 mg/kg within accumulated dust (A-LD01) was identified within the roof void; and
 - A lead concentration of >0.5 mg/m² within accumulated dust (refer sample A-LD01, DP 2018) was identified within the roof void.
- Non-lead based cream paint (A-LP01, 0.1% w/w) was identified to the timber doors, door frames and windows throughout the ground floor.
- Lead based cream/yellow paint (A-LP02, 0.12% w/w) was identified to the cement rendered brick walls throughout the ground floor.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- An instant hot water system and a hot water system were identified within Room R0014 and are suspected to contain SMF insulation cores.

- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Asbestos containing vinyl floor tiles were previously identified to Room R1002 (refer sample A-A06) within DP 2018. An inspection of the flooring materials within Room R1002 identified new vinyl sheeting. The asbestos containing vinyl tile material was unable to be located at the time of inspection and is assumed to have been removed, however, no removal documentation was made available to JBS&G.
- Asbestos containing fibre cement sheet ceiling lining was previously identified to Room R0007 (refer sample A-A03) within DP 2018. No ceiling lining was observed at the time of inspection and this material is assumed to have been removed, however, no removal documentation was made available to JBS&G.

3.2 Building B

Building B was identified as the two-storey structure within the northern portion of the site, south of Building A. Building B was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building B comprised exposed brick and concrete external walls, concrete tile roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing grey vinyl floor tiles (refer sample A-A01) were identified beneath carpet flooring in Room R1004. This material was also identified to Rooms R0010, R1005, R1006, R1007, R1010 and R1011.
- Asbestos containing blue vinyl floor tiles (B-A01) were identified to Room R1010. This material was also identified to Room R1012.
- A representative sample of the black adhesive (B-A02) below the ACM vinyl floor tiles throughout the first floor was collected from Room R1010 and found not to contain asbestos.
- Asbestos containing fibre cement sheeting (B-A04) was identified to the soffit linings of the east and west entries (R0011 & R0012).
- Non-asbestos containing bituminous sarking (refer sample A-A06) was identified to the underside of the roof throughout the roof void.
- Asbestos containing fibre cement sheeting (B-A03) was identified to the ceiling of Room R0008. This material was also identified to Rooms R0002 and R0003.
- Asbestos containing accumulated dust (B-AD02) was identified to the floor of Room R0008. The asbestos was identified within a weathered fibre cement fragment and is likely as a result of damage to the ACM ceiling lining. The weathered nature of the identified fibre cement fragment results in this asbestos hazard being deemed to be friable asbestos.
- Elevated levels of lead within accumulated dust (B-LD01, 450 mg/kg) above the adopted site criteria was identified within roof void and is assumed to be present across the roof void area of the building.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- An instant hot water system was identified within Room R0007 and is suspected to contain a SMF insulation core.

- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Asbestos containing vinyl floor tiles were previously identified to Room R1008 (refer sample S6) within AECOM 2014 under overlying carpet flooring. An inspection below the current carpet flooring revealed timber flooring and no vinyl tiles were observed. These materials were therefore unable to be located at the time of inspection and are assumed to have been removed, however, no removal documentation was made available to JBS&G.
- Assumed asbestos containing fibre cement sheet ceiling lining was identified to Room R1012 within AECOM 2014. An inspection of the ceiling lining confirmed that the ceiling comprised plasterboard material and no fibre cement sheeting was identified. This material is assumed to have been incorrectly identified within AECOM 2014.

3.3 Building C

Building C was identified as the two-storey structure within the northern portion of the site, south of Building B. Building C was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building C comprised exposed brick and concrete external walls, concrete tile roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing grey vinyl floor tiles (C-A01) were identified beneath carpet flooring in Room R1003. This material was also identified to Rooms R0003, R1001, R1003 and R1008.
- Non-asbestos containing beige vinyl floor tiles (C-A02) were identified to Room R1010. This material was also identified to Room R1012.
- A representative sample of the black adhesive (C-A03) below the ACM vinyl floor tiles throughout the first floor was collected from Room R1003 and found not to contain asbestos.
- Asbestos containing fibre cement sheeting (refer sample B-A04) was identified to the soffit linings of the east and west entries (R0013 & R0016).
- Asbestos containing fibre cement sheeting (refer sample C-A08, DP 2018) to the ceiling of Room R0017. A suspected asbestos containing fibre cement flue pipe was also identified within the room however a sample was unable to be collected due to access restrictions.
- Non-asbestos containing bituminous sarking (C-A04) was identified to the underside of the roof throughout the roof void.
- Asbestos containing fibre cement sheeting (refer sample C-A11, DP 2018) to the ceiling of Room R1005. This material was also identified to the ceiling of Room R0011.
- Asbestos containing accumulated dust (refer sample C-A09, DP 2018) was identified to the floor of Room R1005. The friable asbestos impacted dust was assumed to still be present at the time of inspection. Additionally, suspected friable asbestos impacted dust is assumed to be present to the floor of Room R0011.
- Elevated levels of lead within accumulated dust (C-LD01, 1100 mg/kg) above the adopted site criteria was identified within the roof void and is assumed to be present across the roof void area of the building.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.

- An instant hot water system was identified within Room R0001 and a hot water system was identified within the service cupboard adjacent Room R0010. Both units are suspected to contain SMF insulation cores.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Asbestos containing vinyl floor tiles were previously identified to Rooms R1009, R0015 and R0014 within AECOM 2014. An inspection of the flooring materials within these rooms identified new vinyl sheeting. The asbestos containing vinyl tile material was unable to be located at the time of inspection and is assumed to have been removed, however, no removal documentation was made available to JBS&G.
- Assumed asbestos containing flue insulation was identified to Room R0017 within AECOM 2014. An inspection of the flue pipe within R0017 did not identify the presence of any insulation material. This material is assumed to have been incorrectly identified within AECOM 2014 and is in reference to the actual asbestos containing fibre cement flue pipe.

3.4 Building D

Building D was identified as the two-storey structure within the northern portion of the site and formed the southern section of the 'V' shape. Building D was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building D comprised exposed brick and concrete external walls, concrete tile roof, concrete and timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing grey vinyl floor tiles (D-A01) were identified beneath carpet flooring in Room R1001. This material was also identified to Rooms R0016 and R1004.
- Asbestos containing black vinyl floor tiles (D-A02) were identified beneath carpet flooring in Room R1001. This material was also identified to Rooms R1003, R1005, R1006, R1007, R1009, R1010 and R1016.
- Asbestos containing cream vinyl floor tiles (D-A03) were identified beneath carpet flooring in Room R1001. This material was also identified to Rooms R1003 and R1016.
- Asbestos containing red vinyl floor tiles (D-A04) were identified beneath carpet flooring in Room R1002. This material was also identified to Rooms R1003 and R1009.
- Asbestos containing beige vinyl floor tiles (D-A05) were identified beneath carpet flooring in Room R1002.
- Asbestos containing brown vinyl floor tiles (D-A06) were identified beneath carpet flooring in Room R1002.
- Non-asbestos containing green vinyl floor tiles (D-A07) were identified beneath carpet flooring in Room R1004.
- Asbestos containing white vinyl floor tiles (D-A08) were identified beneath carpet flooring in Room R1010.
- Non-asbestos containing blue vinyl floor tiles (D-A09) were identified beneath carpet flooring in Room R1011.

- A representative sample of the black adhesive (D-A10) below the ACM vinyl floor tiles throughout the first floor was collected from Room R1001 and found not to contain asbestos.
- Asbestos containing fibre cement sheeting (D-A11) was identified to the soffit linings of the east and west entries. This material was also identified to the eaves of the canteen.
- Asbestos containing fibre cement sheeting (refer sample D-A03, DP 2018) to the ceiling of Room R0008. Suspected friable asbestos impacted dust is assumed to be present to the floor of Room R0008.
- Non-asbestos containing bituminous sarking (refer sample C-A04) was identified to the underside of the roof throughout the roof void.
- Elevated levels of lead within accumulated dust above the adopted site criteria was identified within the building as follows:
 - A lead concentration of 660 mg/kg within accumulated dust (D-LD01) was identified within the roof void; and
 - A lead concentration of >0.5 mg/m² within accumulated dust (refer sample D-LD01, DP 2018) was identified within the roof void.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- Instant hot water systems were identified within Rooms R0026 and R0013 and a hot water system was identified within Room R0029. The units are suspected to contain SMF insulation cores.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Asbestos containing vinyl floor tiles were previously identified to Room R0001 and Room R0003 (refer samples S6 and S8) within AECOM 2014 under overlying carpet flooring. An inspection below the current carpet flooring revealed timber flooring in both rooms and no vinyl tiles were observed. These materials were therefore unable to be located at the time of inspection and are assumed to have been removed, however, no removal documentation was made available to JBS&G.

3.5 Building E

Building E was identified as the two-storey structure within the northern portion of the site and formed the south-east section of the 'V' shape. Building E was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building E comprised exposed brick and concrete external walls, concrete tile roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing fibre cement sheeting (E-A01) was identified to the ceiling of Room R0009. Suspected friable asbestos impacted dust is assumed to be present to the floor of Room R0009.
- Asbestos containing grey vinyl floor tiles (refer sample D-A01) were identified beneath carpet flooring in Room R0004. This material was also identified to Rooms R0005, R0008, R0010, R0012, R1002, R1004, R1005, R1007, R1008 and R1010.

- Asbestos containing black vinyl floor tiles (refer sample D-A02) were identified beneath carpet flooring in Room R0016. This material was also identified to Rooms R0007, R1002, R1005, R1007, R1008, R1010, R1014 and R1015.
- Asbestos containing blue vinyl floor tiles (E-A02) were identified beneath carpet flooring in Room R1001. This material was also identified to Rooms R1014 and R1015.
- Asbestos containing fibre cement sheeting (E-A04) was identified to the soffit linings of the east and west entries (R0014, R0020 & R0021).
- Non-asbestos containing fibre cement sheet debris (E-A03) was identified within the subfloor void adjacent to the sub floor access hatch. Limited access was available other areas of the subfloor void due to confined spaces risks and, therefore, additional ACM hazards are suspected to be present.
- Elevated levels of lead within accumulated dust above the adopted site criteria was identified within the building as follows:
 - A lead concentration of 490 mg/kg within accumulated dust (E-LD01) was identified within the roof void;
 - A lead concentration of >0.5 mg/m² within accumulated dust (refer sample ER004 - LD01, DP 2018) was identified within the roof void.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- Instant hot water systems were identified within Rooms R0007, R0010 and R0012 and are suspected to contain SMF insulation cores.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Assumed asbestos containing fibre cement sheet ceilings were previously identified to Rooms R0013, R0018 and R0019 within AECOM 2014 and DP 2018. An inspection of the ceiling linings confirmed that the ceiling comprised plasterboard material and no fibre cement sheeting was identified. This material is assumed to have been incorrectly identified within AECOM 2014 and DP 2018.
- An assumed asbestos containing fibre cement flue pipe was previously identified to Room R0007 within AECOM 2014 and DP 2018. This material was unable to be located at the time of inspection and is assumed to have been removed, however, no removal documentation was made available to JBS&G.
- An assumed asbestos containing fibre cement sheet lab bench was previously identified to Room R0008 within AECOM 2014 and DP 2018. This material was unable to be located at the time of inspection and is assumed to have been removed, however, no removal documentation was made available to JBS&G.

3.6 Building F

Building F was identified as the two-storey structure within the northern portion of the site and formed the north-east section of the 'V' shape. Building F was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building F comprised exposed brick and concrete external walls, concrete tile roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing light blue vinyl floor tiles (F-A02) were identified in Room R1017. This material was also identified to Rooms R0016 and R1018.
- Asbestos containing grey vinyl floor tiles (refer sample D-A01) were identified in Room R1017. This material was also identified to Rooms R1006, R1007, R1008, R1012, R1016, R1018 and R1019.
- Asbestos containing black vinyl floor tiles (refer sample D-A02) were identified in Room R1006. This material was also identified to Rooms R1007, R1008, R1012, R1016, R1017, R1018 and R1019.
- Asbestos containing fibre cement sheeting (refer sample E-A01, **Section 3.5**) to the ceiling of Room R0003. This material was also identified to the ceiling of Room R1004.
- Suspected friable asbestos impacted dust is assumed to be present to the floor of Rooms R0003 and R1004.
- Non-asbestos containing fibre cement sheeting (F-A01) was identified to the wall linings surrounding the door between Rooms R1018 and R1019.
- Asbestos containing fibre cement sheeting (F-A03) was identified to the soffit linings of the east and west entries.
- Non-asbestos containing fibre cements sheeting (F-A04) was identified to the new soffit linings of the west entry.
- Elevated levels of lead within accumulated dust above the adopted site criteria was identified within the building as follows:
 - A lead concentration of 1300 mg/kg within accumulated dust (F-LD01) was identified within the roof void; and
 - A lead concentration of >0.5 mg/m² within accumulated dust (refer sample FR - 1014 - LD01, DP 2018) was identified within the roof void.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

3.7 Building H

Building H was identified as the three-storey structure within the central portion of the site. Building H was constructed in 1973 and it is understood that as part of the redevelopment project, the structure is proposed to be retained/refurbished.

Building H comprised exposed brick external walls, concrete tile roof, concrete floors with various floor coverings, plaster and concrete ceilings, and cement rendered brick and plaster internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Suspected asbestos containing fibre cement sheeting was identified to the eaves of the external windows. The eaves were inaccessible due to their height from the ground surface and a sample was therefore unable to be collected.
- Elevated levels of lead within accumulated dust above and below the adopted site criteria was identified within the building as follows:

- A lead concentration of 2700 mg/kg within accumulated dust to the floor (H-LD01) was identified within the M2008 plant room;
 - A lead concentration of 250 mg/kg within accumulated dust to the floor (H-LD02) was identified within the M2006 plant room; and
 - A lead concentration of >0.5 mg/m² within accumulated dust (refer sample H-LD01, DP 2018) was identified within the ceiling cavity of Room R1019. This material was assumed to still be present at the time of inspection.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
 - Two hot water systems were identified in Room R0002 and are suspected to contain SMF insulation cores.
 - Suspected SMF insulation was identified to the air conditioning ducting and roof sarking in Room M2006, M2007 and M2008.
 - Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
 - Asbestos containing vinyl floor tiles were previously identified to Rooms R1001, R1004, R1005, R1006, R1007, R1008, R1009, R1016 and R1017 (refer sample S3) within AECOM 2014. An inspection of the flooring materials within these rooms identified new vinyl sheeting. The asbestos containing vinyl tile material was unable to be located at the time of inspection and is assumed to have been removed, however, no removal documentation was made available to JBS&G.
 - Asbestos containing fibre cement cubicle partitions were previously identified to Rooms R0003, R0004, R0011 and R0012 (refer sample S2) within AECOM 2014. These toilets have recently been refurbished and the cubicle partitions were identified to be modern and did not comprise fibre cement sheeting. The asbestos containing material was unable to be located at the time of inspection and was observed to have been removed, however, no removal documentation was made available to JBS&G.
 - Asbestos containing fibre cement sheet ceiling lining was previously identified to Room R2009 (refer sample S5) within AECOM 2014. An inspection of the ceiling linings confirmed that the ceiling comprised plasterboard material and no fibre cement sheeting was identified. This material is assumed to have been removed, however, no removal documentation was made available to JBS&G.
 - Suspected asbestos containing fibre cement sheet ceiling lining was previously identified to Room R1008 within DP 2018. The ceiling linings were observed to comprise _____ and no fibre cement sheeting was identified at the time of this inspection. This material is assumed to have been removed, however, no removal documentation was made available to JBS&G.
 - Suspected asbestos containing fibre cement sheet heat pad was previously identified within a fume cupboard in Room R1017 within DP 2018. No fibre cement sheeting was identified within the fume cupboards in Room R1017. This material is assumed to have been removed, however, no removal documentation was made available to JBS&G.

3.8 Building I

Building I was identified as the single-storey structure within the northern portion of the site and located in the centre of the 'V' shape. Building I was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building I comprised exposed brick external walls, concrete tile roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing fibre cement sheeting (I-A02) was identified to the eaves. This material was also identified to the soffit lining of R0017.
- Asbestos containing fibre cement sheeting (refer sample E-A01, **Section 3.5**) to the ceiling of Room R0007. Suspected friable asbestos impacted dust is assumed to be present to the floor of Rooms R0007.
- Non-asbestos containing brown vinyl floor tiles (I-A01) were identified in Room R0019 and R0005. This material was previously assumed to contain asbestos in both AECOM 2014 and DP 2018, referencing a sample collected from Building H.
- Elevated levels of lead within accumulated dust (I-LD01, 660 mg/kg) above the adopted site criteria was identified within the roof void and is assumed to be present across the roof void area of the building.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- An instant hot water system was identified within Room R0015 and is suspected to contain a SMF insulation core. SMF insulation was also identified to the roof sarking within the roof void.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

3.9 Building J

Building J was identified as the single-storey hexagonal shaped structure within the northern portion of the site. Building J was constructed in 1960 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building J comprised exposed brick external and internal walls, corrugated metal sheet roof, timber floors, and plaster ceilings.

A summary of the significant observations made during the HBMS is as follows:

- Suspected asbestos containing fibre cement sheeting was identified to the eaves of the external windows. The eaves were inaccessible due to their height from the ground surface and a sample was therefore unable to be collected.
- Asbestos containing mastic seal (J-A01) was identified to the glass within the metal framed windows. This material is assumed to be present within all metal frames windows throughout the building.
- There was no access to the roof void due to high ceilings and height safety hazards associated with access. Based on the age of the building, there is the potential for hazardous materials, such as lead containing dust, to be present within the roof void.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- An instant hot water system and a hot water system were identified within Room R0005 and are suspected to contain SMF insulation cores.

- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

3.10 Building K

Building K was identified as the two-storey structure within the central portion of the site. Building K was constructed in 2007 and it is understood that as part of the redevelopment project, the structure is proposed to be retained/refurbished. Due to the age of the structure, hazardous materials other than SMF were not expected to be present within the structure.

Building K comprised exposed brick external walls, corrugated metal sheet roof, concrete floors with various floor coverings, plaster and concrete ceilings, and cement rendered brick and plaster internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Suspected SMF insulation is assumed to be present in various forms throughout the structure as follows:
 - Insulation batts and/or sarking throughout the roof void;
 - Insulation batts to internal wall cavities; and
 - Suspected insulation to air conditioning plant.
- No other suspected hazardous materials were identified at the time of this inspection.

3.11 Building L

Building L was identified as the single-storey structure within the western portion of the site. Building L was constructed in 2011 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished. Due to the age of the structure, hazardous materials other than SMF were not expected to be present within the structure.

Building L comprised fibre cement and corrugated metal external wall cladding, corrugated metal sheet roof, wooden floors with various floor coverings, plaster ceilings, and plaster internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Suspected SMF insulation is assumed to be present in various forms throughout the structure as follows:
 - Insulation batts and/or sarking throughout the roof void;
 - Insulation batts to internal wall cavities;
 - Insulation cores to the instant and standard hot water system within Room R0005; and
 - Suspected insulation to air conditioning plant.
- No other suspected hazardous materials were identified at the time of this inspection.

3.12 Building M

Building M was identified as the three-storey structure within the central portion of the site. Building M was constructed in 2011 and it is understood that as part of the redevelopment project, the structure is proposed to be retained/refurbished. Due to the age of the structure, hazardous materials other than SMF were not expected to be present within the structure.

Building M comprised exposed brick external walls, corrugated metal sheet roof, concrete floors with various floor coverings, plaster and concrete ceilings, and cement rendered brick and plaster internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Suspected SMF insulation is assumed to be present in various forms throughout the structure as follows:
 - Insulation batts and/or sarking throughout the roof void;
 - Insulation batts to internal wall cavities;
 - Insulation cores to instant and standard hot water systems; and
 - Suspected insulation to air conditioning plant.
- No other suspected hazardous materials were identified at the time of this inspection.

3.13 Building N

Building N was identified as the single-storey structure within the northern portion of the site, south of Building J. Building N was constructed in 2014 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished. Due to the age of the structure, hazardous materials other than SMF were not expected to be present within the structure.

Building N comprised corrugated metal external walls and roof, wooden floors with various floor coverings, plaster ceilings, and plaster internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Suspected SMF insulation is assumed to be present in various forms throughout the structure as follows:
 - Insulation batts and/or sarking throughout the roof void;
 - Insulation batts to internal wall cavities; and
 - Suspected insulation to air conditioning plant.
- No other suspected hazardous materials were identified at the time of this inspection.

3.14 Building Z

Building Z was identified as the small structure within the northern portion of the site. Building Z was constructed in 2007 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building Z comprised exposed brick walls, concrete floor and concrete roof.

No hazardous materials were identified within the structure at the time of inspection.

3.15 Building AA

Building AA was identified as the single-storey structure adjacent the eastern boundary (within the Chatswood Public School Bush Campus). Building AA was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building AA comprised exposed brick walls, timber floors, plaster ceilings, concrete tile roof, and brick and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing fibre cement sheeting (AA-A02) was identified to the eaves, gable ends and undercloak verge lining.
- Non-asbestos containing green vinyl floor tiles (AA-A01) were identified in Room R0007.
- A lead concentration of $>0.5 \text{ mg/m}^2$ within accumulated dust (refer sample AR0031-LD01, DP 2018) was identified within the roof void. This material was assumed to still be present at the time of inspection.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- A hot water system was identified within Room R0007 and is suspected to contain a SMF insulation core.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Asbestos containing fibre cement sheeting was previously identified to the walls within Room R0007 (refer sample AAA01) within DP 2018. An inspection of the walls confirmed that they comprised cement rendered brick material and no fibre cement sheeting was identified. This material is assumed to have been removed or incorrectly identified, however, no removal documentation was made available to JBS&G.

3.16 Building BB

Building BB was identified as the single-storey structure in the north-east portion of the site. Building BB was constructed in 1959 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building BB comprised corrugated metal external walls and roof, timber floors, and fibre cement internal walls and ceiling.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing fibre cement sheeting (BB-A01) was identified to the eaves.
- There was no access to the roof void due to no access hatch and height safety hazards associated with access. Based on the age of the building, there is the potential for hazardous materials, such as lead containing dust, to be present within the roof void.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

3.17 Demountable structures

At the time of inspection, 26 demountable structures were located on the site and generally comprised metal sandwich panel walls, fibre cement ceilings, wooden floors, and corrugated metal roof.

It is understood that as part of the redevelopment project, the demountable structures are proposed to either be demolished or removed from site for use in other schools.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing materials were identified within D12306, D12329, D12310, D11930 & D15165, located in the north-west corner of the site. Representative samples of suspected ACM were collected in DP 2018. The general locations of the representative samples that were found to contain asbestos are summarised below:
 - Fibre cement sheeting to eaves;
 - Fibre cement sheeting to ceilings;
 - Fibre cement sheeting to stair treads and landings; and
 - Mastic seal to aluminium windows.
- No asbestos containing materials were identified within D15506, D11656, D13810, D11641, D17427, D19546, D16545, D18363 & D18368, located in the north-east portion of the site.
- No asbestos containing materials were identified within D13350, D12214, D13940, D12730 & D15800, located south of Building D.
- No asbestos containing materials were identified within D12172, D11711, D13214, D15949 & D12213, located in the western portion of the site.
- No asbestos containing materials were identified within D14056 & D13351, located in the north-west portion of the site.
- Representative samples of accumulated dust were collected from the roof voids in DP 2018. All representative samples were found to contain concentrations of lead above the adopted site criteria.
- An inspection of the paint systems throughout the demountable structures were observed to be consistent with the identified lead and non-lead based paints detailed in DP 2018.
- Suspected SMF insulation was identified in various forms throughout the demountable structures as follows:
 - Insulation batts throughout the roof voids;
 - Suspected internal insulation to the sandwich panel walls; and
 - Suspected internal insulation to the air conditioning units.
- Fluorescent lights were identified throughout the internal and external areas. A detailed inspection was not possible due to the supply of live electricity, however, the fluorescent lights were of modern age and appearance and are not suspected to contain PCB containing capacitors.

3.18 General Site

The shade structures and covered walkways on the site comprised corrugated metal roof sheeting, and metal framework. No hazardous materials were identified at the time of inspection.

4. Results

4.1 Hazardous Materials

All identified hazardous materials are recorded in the Hazardous Materials Register in **Appendix A** with relevant photographs in **Appendix B**. NATA accredited laboratory analysis reports and chain of custody are provided in **Appendix C**.

4.1.1 Asbestos Containing Materials

ACM were identified by testing at an accredited NATA laboratory and/or visual inspection using the experience of the hazardous materials surveyor. The representative samples that were found to contain asbestos via laboratory testing are summarised in **Table A** below.

Table A: Asbestos Results Summary Table

Sample ID	Lab ID	Structure/Location	Material	Results	Friable or Non-Friable
A-A01	19-Ja23565	Building A	Grey vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A02	19-Ja23566	Building A	Brown vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A07	19-Ja23571	Building A	Fibre cement sheeting	Chrysotile and Amosite Asbestos	Non-Friable
B-A01	19-Ja23579	Building B	Blue vinyl floor tiles	Chrysotile Asbestos	Non-Friable
B-A03	19-Ja23581	Building B	Fibre cement sheeting	Chrysotile, Amosite and Crocidolite Asbestos	Non-Friable
B-A04	19-Ja23582	Building B	Fibre cement sheeting	Chrysotile and Amosite Asbestos	Non-Friable
C-A01	19-Ja23586	Building C	Grey vinyl floor tiles	Chrysotile Asbestos	Non-Friable
D-A01	19-Ja23593	Building D	Grey vinyl floor tiles	Chrysotile Asbestos	Non-Friable
D-A02	19-Ja23594	Building D	Black vinyl floor tiles	Chrysotile Asbestos	Non-Friable
D-A03	19-Ja23595	Building D	Cream vinyl floor tiles	Chrysotile Asbestos	Non-Friable
D-A04	19-Ja23596	Building D	Red vinyl floor tiles	Chrysotile Asbestos	Non-Friable
D-A05	19-Ja23597	Building D	Beige vinyl floor tiles	Chrysotile Asbestos	Non-Friable
D-A06	19-Ja23598	Building D	Brown vinyl floor tiles	Chrysotile Asbestos	Non-Friable
D-A08	19-Ja23600	Building D	White vinyl floor tiles	Chrysotile Asbestos	Non-Friable
D-A11	19-Ja23603	Building D	Fibre cement sheeting	Chrysotile and Amosite Asbestos	Non-Friable
E-A01	19-Ja23606	Building E	Fibre cement sheeting	Chrysotile, Amosite and Crocidolite Asbestos	Non-Friable
E-A02	19-Ja23607	Building E	Blue vinyl floor tiles	Chrysotile Asbestos	Non-Friable
E-A04	19-Ja23609	Building E	Fibre cement sheeting	Chrysotile and Amosite Asbestos	Non-Friable
F-A02	19-Ja23613	Building F	Light blue vinyl floor tiles	Chrysotile Asbestos	Non-Friable
F-A03	19-Ja23614	Building F	Fibre cement sheeting	Chrysotile and Amosite Asbestos	Non-Friable
I-A02	19-Ja23622	Building I	Fibre cement sheeting	Chrysotile, Amosite and Crocidolite Asbestos	Non-Friable
J-A01	19-Ja23626	Building J	Window mastic seal	Chrysotile Asbestos	Non-Friable

Sample ID	Lab ID	Structure/Location	Material	Results	Friable or Non-Friable
AA-A02	19-Ja23628	Building AA	Fibre cement sheeting	Chrysotile, Amosite and Crocidolite Asbestos	Non-Friable
BB-A01	19-Ja23629	Building BB	Fibre cement sheeting	Chrysotile Asbestos	Non-Friable

4.1.2 Asbestos Containing Dust

Representative dust samples were collected throughout the site. A summary of the results of the laboratory testing for asbestos are provided in **Table B** below:

Table B: Asbestos Dust Results Summary Table

Sample ID	Lab ID	Structure/Location	Material	Results	Friable or Non-Friable
A-AD01	19-Ja23573	Building A, Room R0007	Accumulated dust	No Asbestos Detected	-
A-AD02	19-Ja23574	Building A, Room R1007	Accumulated dust	Chrysotile, Amosite and Crocidolite Asbestos Detected in weathered fibre cement fragment	Friable
A-AD03	19-Ja23575	Building A, roof void	Accumulated dust	No Asbestos Detected	-
B-AD01	19-Ja23583	Building B, roof void	Accumulated dust	No Asbestos Detected	-
B-AD02	19-Ja23584	Building B, Room R1009	Accumulated dust	Chrysotile, Amosite and Crocidolite Asbestos Detected in fibre cement fragments	Friable
C-AD01	19-Ja23591	Building C, roof void	Accumulated dust	No Asbestos Detected	-
D-AD01	19-Ja23604	Building D, roof void	Accumulated dust	No Asbestos Detected	-
E-AD01	19-Ja23610	Building E, roof void	Accumulated dust	No Asbestos Detected	-
F-AD01	19-Ja23617	Building F, roof void	Accumulated dust	No Asbestos Detected	-
I-AD01	19-Ja23624	Building I, roof void	Accumulated dust	No Asbestos Detected	-

4.1.3 Lead Containing Dust

Representative dust samples were collected throughout the site. A summary of the results of the laboratory testing for lead are provided in **Table C** below:

Table C: Lead Dust Results Summary Table

Sample ID	Lab ID	Structure/Location	Material	Results	Condition
A-LD01	19-Ja23576	Building A, roof void	Accumulated dust	940 mg/kg	Poor
B-LD01	19-Ja23585	Building B, roof void	Accumulated dust	450 mg/kg	Poor
C-LD01	19-Ja23592	Building C, roof void	Accumulated dust	1,100 mg/kg	Poor
D-LD01	19-Ja23605	Building D, roof void	Accumulated dust	660 mg/kg	Poor
E-LD01	19-Ja23611	Building E, roof void	Accumulated dust	490 mg/kg	Poor
F-LD01	19-Ja23618	Building F, roof void	Accumulated dust	1,300 mg/kg	Poor
H-LD01	19-Ja23619	Building H, Room M2008	Accumulated dust	2,700 mg/kg	Poor
H-LD02	19-Ja23620	Building H, Room M2006	Accumulated dust	250 mg/kg	-
I-LD01	19-Ja23625	Building I, roof void	Accumulated dust	660 mg/kg	Poor

4.1.4 Lead Based Paints

Lead and non-lead based paints were observed to be consisted with the paint systems detailed in DP2018. One representative paint sample was collected for laboratory testing. A summary of the results of laboratory testing for lead are provided in **Table D** below.

Table D: Lead Paint Results Summary Table

Sample ID	Lab ID	Structure/Location	Material	Results	Condition
A-LP01	19-Ja23577	Building A, architraves and windows	Cream paint	Non-Lead Based Paint (0.10% w/w)	N/A
A-LP02	19-Ja23578	Building A, walls	Cream/yellow paint	Lead Based Paint (0.12% w/w)	Fair

4.1.5 Polychlorinated Biphenyls

Detailed inspection of capacitors in light fittings could not be undertaken due to the electricity supply to the fittings being active. Therefore, PCB containing capacitors are assumed to be present within the older light fittings throughout the site.

4.1.6 Synthetic Mineral Fibres

Suspected SMF materials were identified in various forms throughout the site. Full details of all identified SMF materials are provided in the Hazardous Materials Register (**Appendix A**). The typical forms of SMF identified are summarised below:

- Internal insulation cores to hot water systems;
- Internal insulation to air conditioning plant;
- Insulation batts within roof voids;
- Insulation lagging to air conditioning ducting;
- Insulation to roof sarking;
- Insulation within demountable structure sandwich panels.

4.2 Inaccessible Areas

There is potential for additional hazardous materials to be contained within inaccessible areas of the site. The Building J roof void was unable to be accessed due to the height of the ceilings and the associated height safety hazards.

Additionally, the Building BB roof void was unable to be accessed due to no access hatch and the associated height safety hazards.

5. Conclusions and Recommendations

Based on the scope of this assessment and with reference to the limitations included in **Section 6**, the following conclusions are made with respect to the Hazardous Building Materials Survey completed.

5.1 Hazardous Materials

Identified and suspected hazardous materials were observed throughout the site as a result of visual identification and laboratory analysis.

The following recommendations are made for the removal of the identified hazardous materials to potentially mitigate harmful effects as a result of the proposed works program. The person with management or control of the site, must ensure so far as is reasonably practicable that the identified hazardous materials are removed prior to the commencement of demolition and refurbishment works.

The identified and suspected hazardous materials are presented in the Hazardous Materials Register included as **Appendix A**.

5.1.1 Friable Asbestos Containing Dust

Friable ACD has been identified at the site. Prior to the demolition of the structures it is recommended that the following work is undertaken:

- A Class A (friable and non-friable) licensed asbestos removalist shall be engaged to remove all asbestos containing dust as identified in the Hazardous Materials Register, included as **Appendix A**.
- SafeWork NSW is to be notified of all asbestos removal work with appropriate permits to remove friable asbestos obtained prior to works commencing. In addition, an asbestos removal control plan is to be developed by the engaged licensed asbestos removalist prior to the removal works outlining the specific control measures necessary to minimise any risk from exposure to asbestos. All removal and disposal of friable asbestos materials shall be conducted in accordance with *Work Health and Safety Act (2011)*, *Work Health and Safety Regulation (2017)* and SWA2018a. The materials should be disposed of to an appropriately licensed landfill in accordance with the *Waste Classification Guidelines Part 1: Classifying Waste* (NSW EPA, 2014).
- Air monitoring is required to be conducted by an independent Licensed Asbestos Assessor (LAA) before and during the removal of the friable asbestos containing dust identified within Room R1007 in Building A, Room R1009 in Building B and Room R1005 in Building C. Air monitoring must also be conducted as part of the clearance inspection.
- Following removal works, a clearance inspection shall be undertaken by the appointed LAA to ensure that the friable ACD materials identified in the Asbestos Register have been removed to a satisfactory industry standard or have been maintained in a manner that does not present an exposure hazard to current or future site occupants. Following the completion of the clearance inspection, a clearance certificate shall be issued by the LAA to confirm that the friable ACD has been successfully removed and that the removal area is suitable for planned demolition works to commence.

5.1.2 Non-Friable Asbestos Containing Materials

Non-friable ACM has been identified at the site. Prior to the demolition and/or refurbishment of the structures it is recommended that the following work is undertaken:

- A Class A or B licensed asbestos removalist shall be engaged to remove all asbestos containing materials as identified in the Hazardous Materials Register (**Appendix A**). Removal and disposal of non-friable asbestos materials shall be undertaken in accordance with the *Work Health and Safety Act (2011)*, *Work Health and Safety Regulation (2017)* and SWA2018a.
- While not mandatory during the removal of non-friable ACM, it is considered best practice and recommended that asbestos air monitoring is undertaken during any non-friable asbestos removal works.
- Following removal works, a clearance inspection shall be completed by a competent person or LAA to ensure that the asbestos materials identified at the site have been removed to a satisfactory standard. Following the completion of the clearance inspection, a clearance certificate shall be issued by the competent person or LAA to confirm that the ACM has been successfully removed and that the site is suitable for planned demolition works to commence.

5.1.3 Lead Containing Dust

Elevated levels of lead in dust above the adopted site criteria were identified at the site. A suitably experienced hazardous materials removal contractor should be engaged to remove the lead containing dust prior to the commencement of demolition and refurbishment works.

5.1.4 Lead Based Paints

Lead based paints identified in Hazardous Materials Register (**Appendix A**) should be managed in accordance with the AS4361.2-2017. If peeling or deteriorated they should be removed under controlled conditions by an experienced contractor prior to demolition and refurbishment. Stable lead based paints adhered to building fabric can be removed as general solid waste provided care is taken to minimise any potential for paint flakes to be dispersed onto ground surfaces.

5.1.5 Synthetic Mineral Fibres

The synthetic mineral fibres encountered during this inspection were generally contained and deemed to be low risk. These SMF materials can be removed with the building and demolition waste with care taken not to generate fibres. Appropriate PPE is recommended including the use of P2 respirator as minimum and appropriate removal methodology as outlined in [NOHSC: 1004(1990)] and [NOHSC: 2006(1990)].

5.1.6 Polychlorinated Biphenyls

All old fluorescent light fittings throughout the site are to be treated as containing PCB capacitors unless further investigation confirms otherwise. These light fittings should be removed and disposed of as Scheduled Waste or re-inspected once isolated from the electrical system to confirm the presence or absence of PCB capacitors.

5.2 Inaccessible Areas

Areas inaccessible during the current HBMS should be inspected by a suitably qualified competent person prior to any works commencing. Suspected ACM should be sampled by a suitably qualified competent person prior to any works commencing.

5.3 Unexpected Finds

Any materials deemed to be consistent with those detailed in the Hazardous Materials Register that have not been previously identified should be assumed to have the same content and be treated accordingly.

Should any additional suspected hazardous materials be observed during or prior to demolition works, works should cease until a suitably qualified occupational hygienist can assess the suspected hazardous material and provide appropriate recommendations for management and/or removal.

6. Limitations

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only, and has been based in part on information obtained from the client and other parties.

The advice herein relates only to this project and all results conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose.

JBS&G accepts no liability for use or interpretation by any person or body other than the client who commissioned the works. This report should not be reproduced without prior approval by the client, or amended in any way without prior approval by JBS&G, and should not be relied upon by other parties, who should make their own enquires.

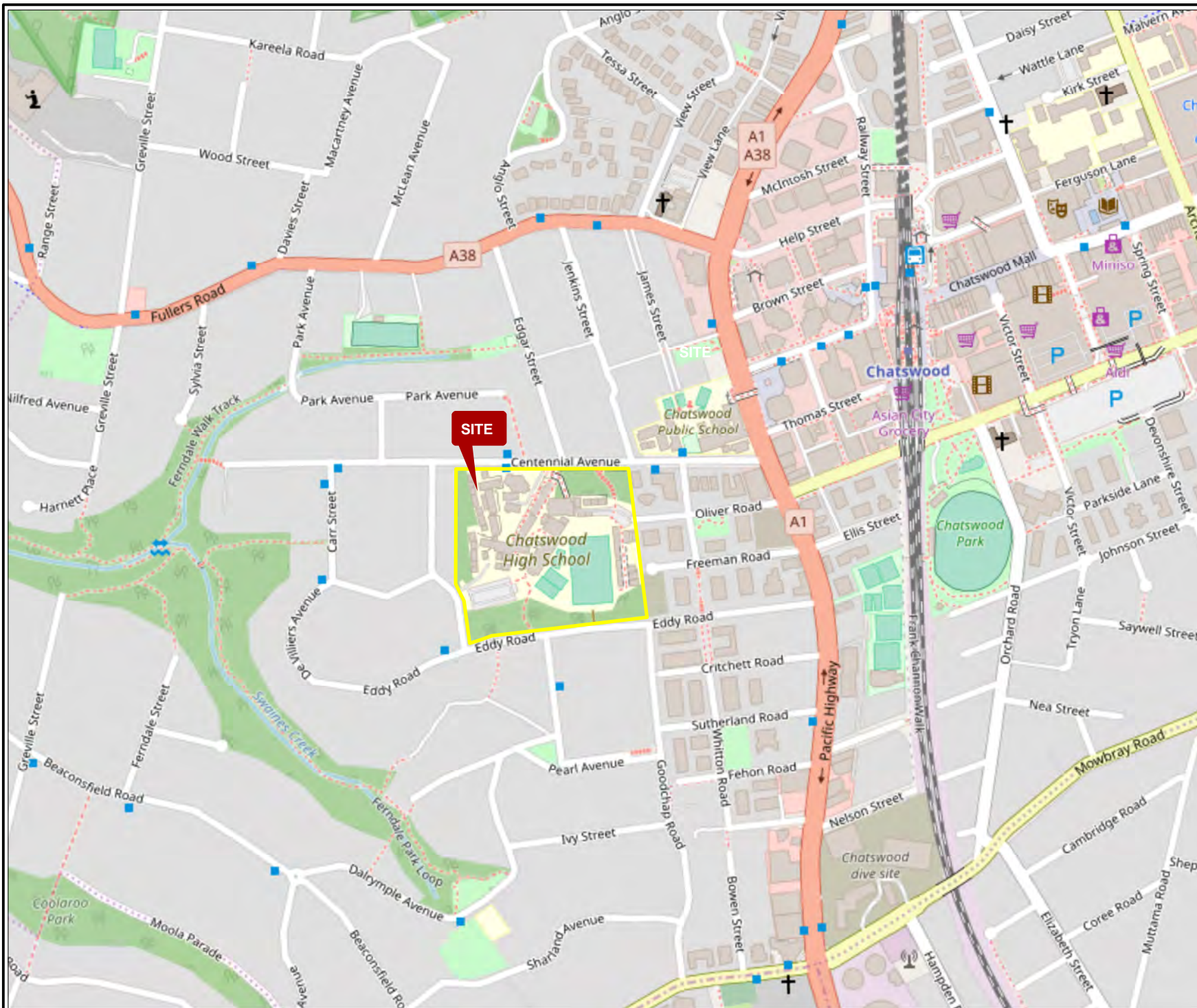
Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the subsurface conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigations.

This report does not provide a complete assessment of the environmental status of the site, and it is limited to the scope defined herein. Should information become available regarding conditions at the site including previously unknown sources of contamination, JBS&G reserves the right to review the report in the context of the additional information.

Figures



Legend:

- Approximate High School Site Boundary



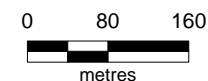
Job No: 55579

Client: Pells Sullivan Meynik

Version: R03 Rev A Date 19/02/2019

Drawn By: AV Checked By: DD

Scale 1:7,500



Coord. Sys. GDA 1994 MGA Zone 56

**24 Centennial Avenue
Chatswood, NSW**

SITE LOCATION

FIGURE 1



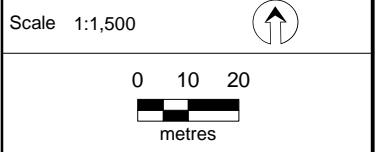
- Legend:**
- Approximate High School Site Boundary
 - Demountable Buildings
 - Structure to be Demolished
 - Structure to be Retained/Refurbished



Job No: 55579

Client: Pells Sullivan Meynik

Version: R03 Rev A	Date 19/02/2019
Drawn By: AV	Checked By: DD



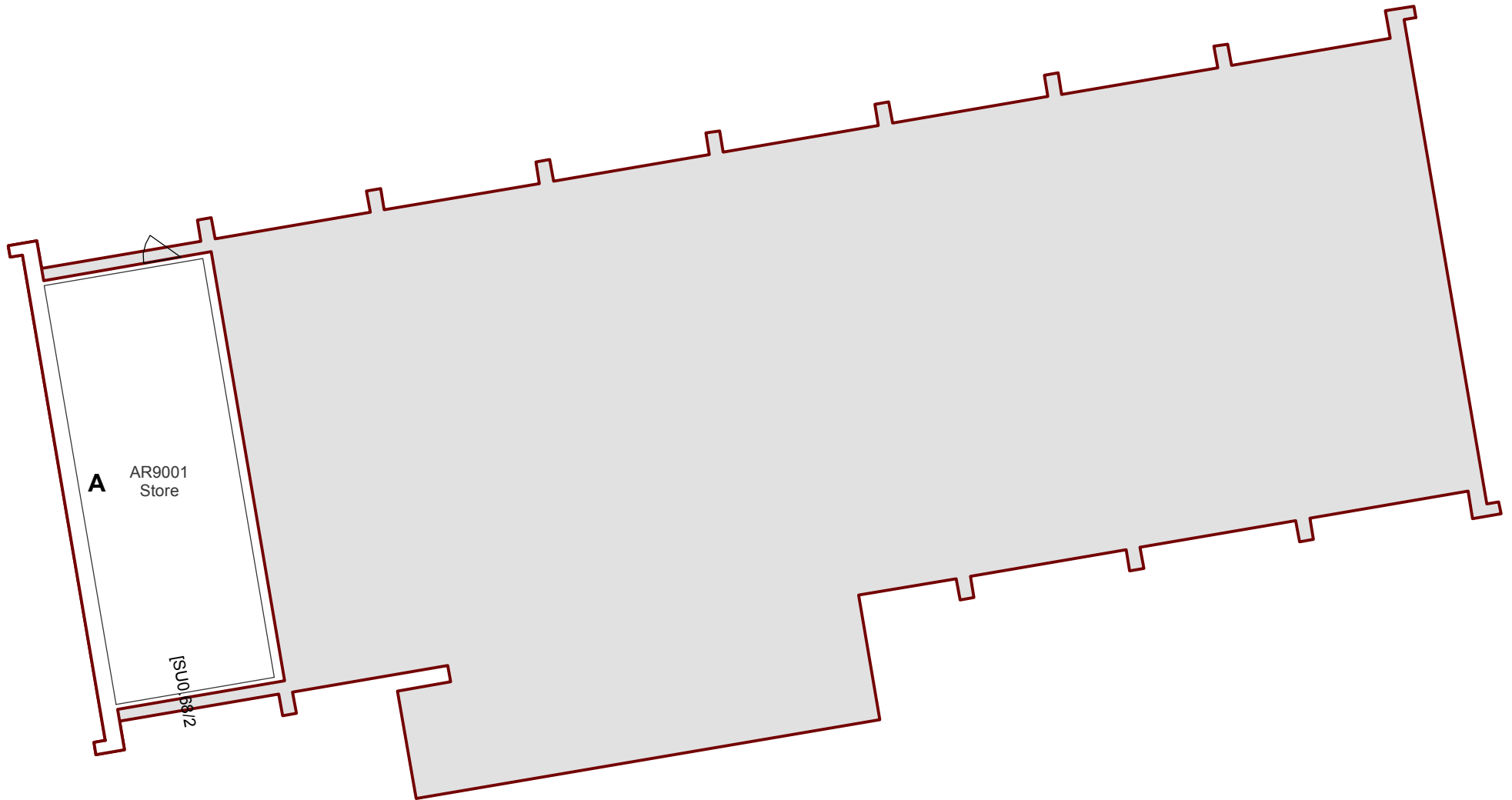
Coord. Sys. GDA 1994 MGA Zone 56

**24 Centennial Avenue
Chatswood, NSW**

SITE LAYOUT

FIGURE 2

8232 - Chatswood High School
Administration/Support Unit (B00A) - Basement 1 (Room Function)



A AR9001
Store

ISU0.88/2

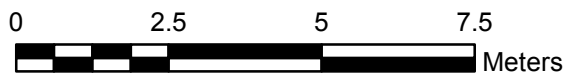
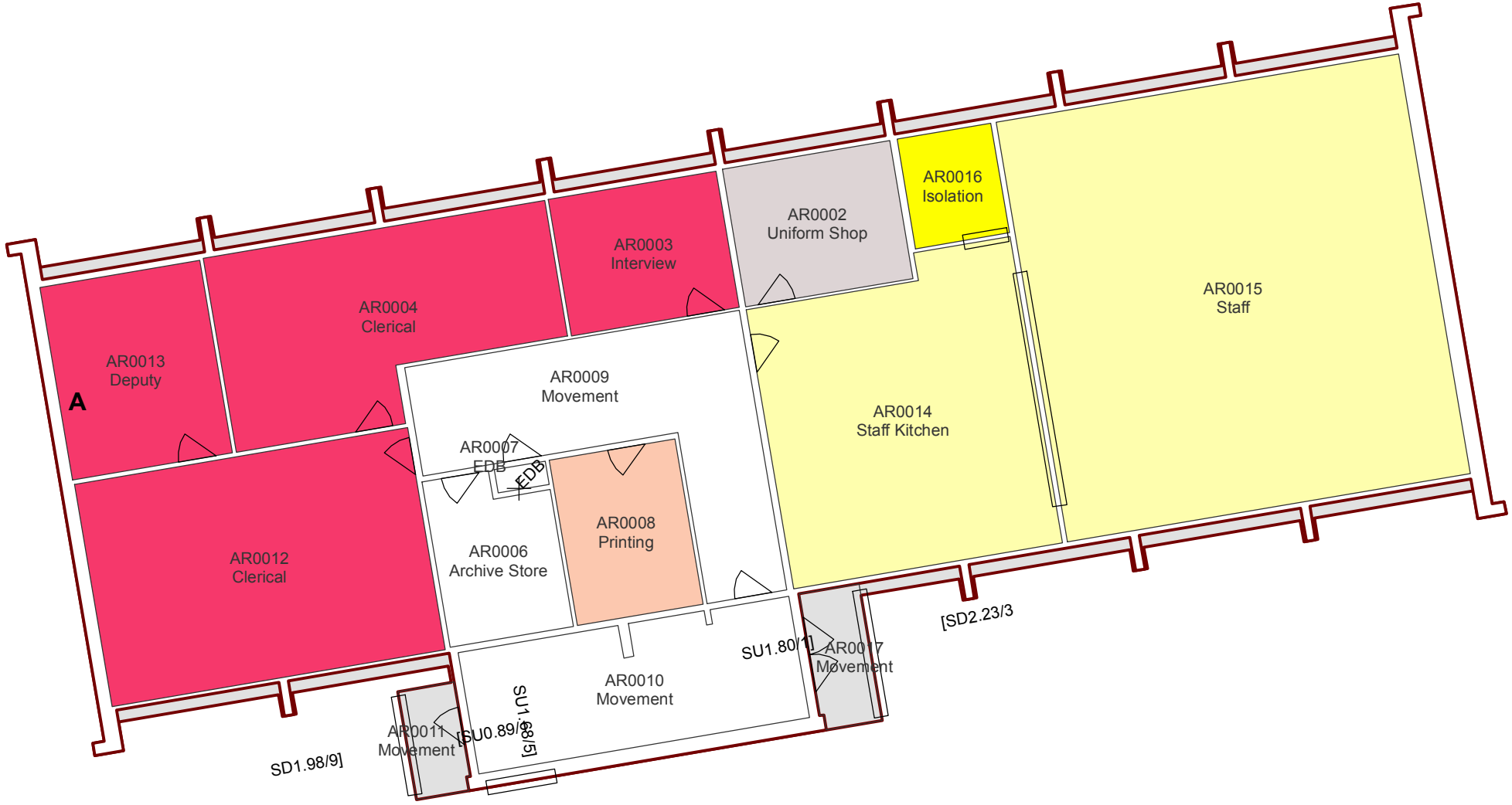
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Meters

1:124

A
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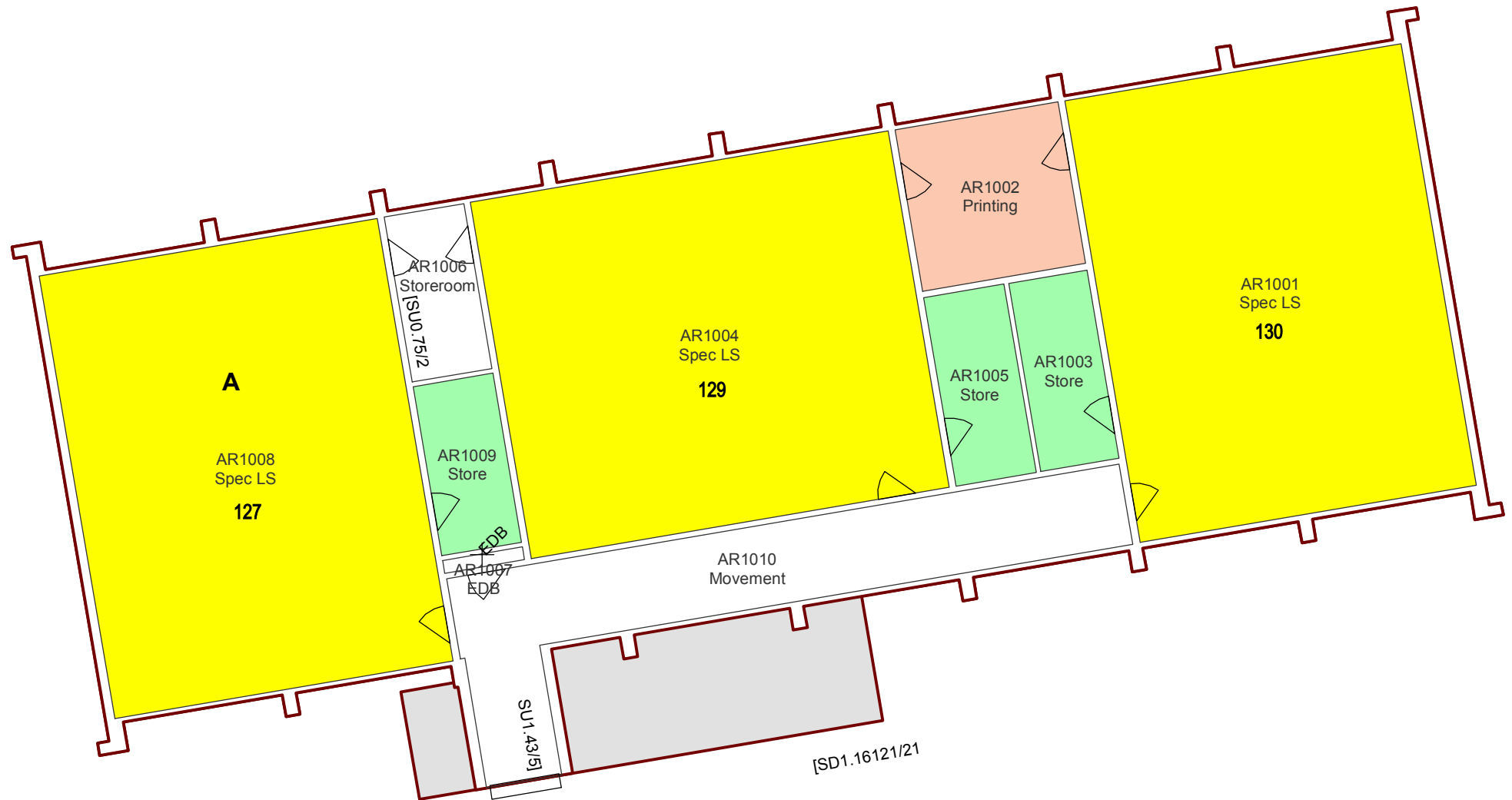
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8232 - Chatswood High School
Administration/Support Unit (B00A) - Ground Floor (Room Function)



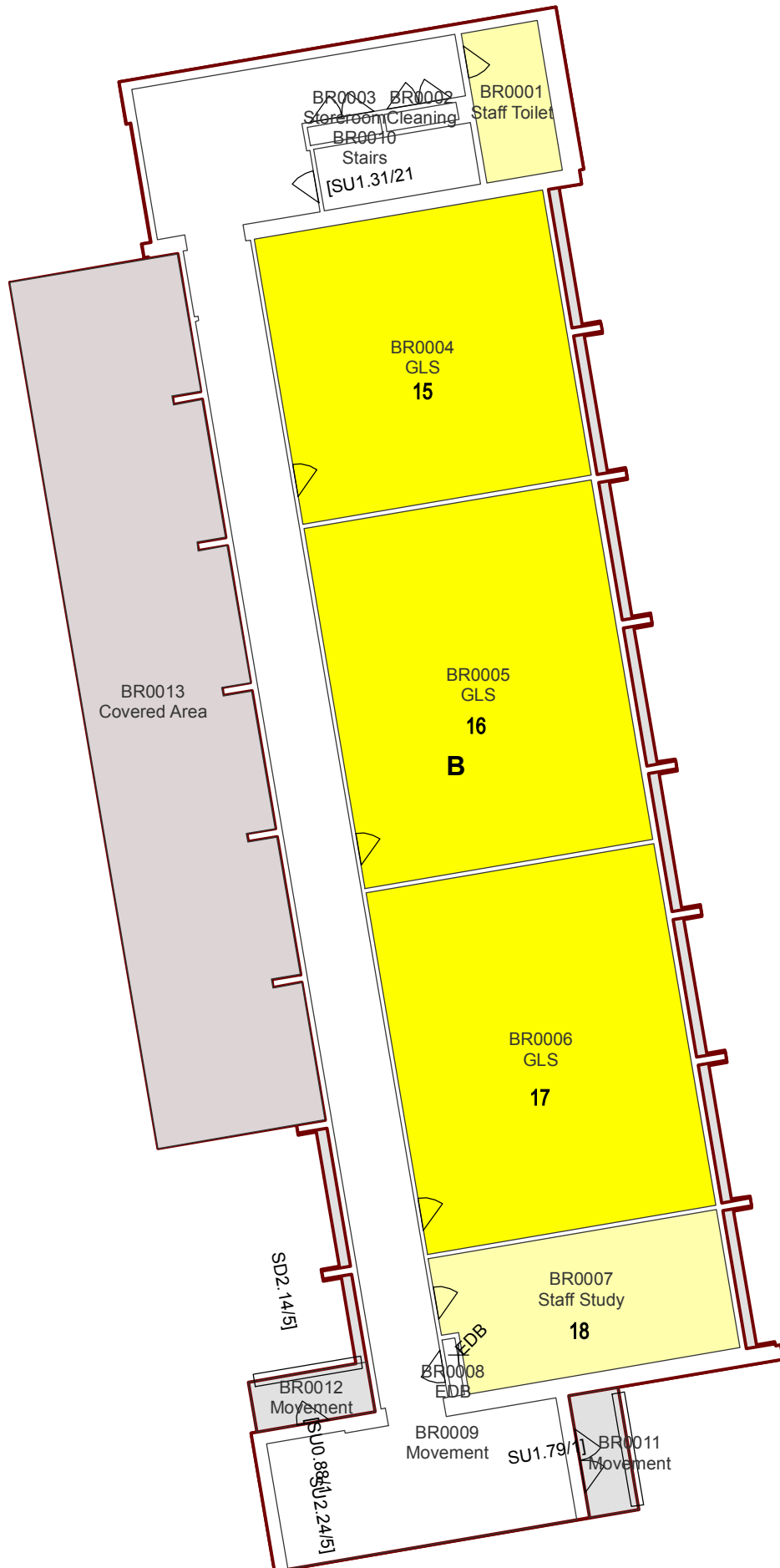
A
BLOCK

8232 - Chatswood High School
Administration/Support Unit (B00A) - 1st Floor (Room Function)



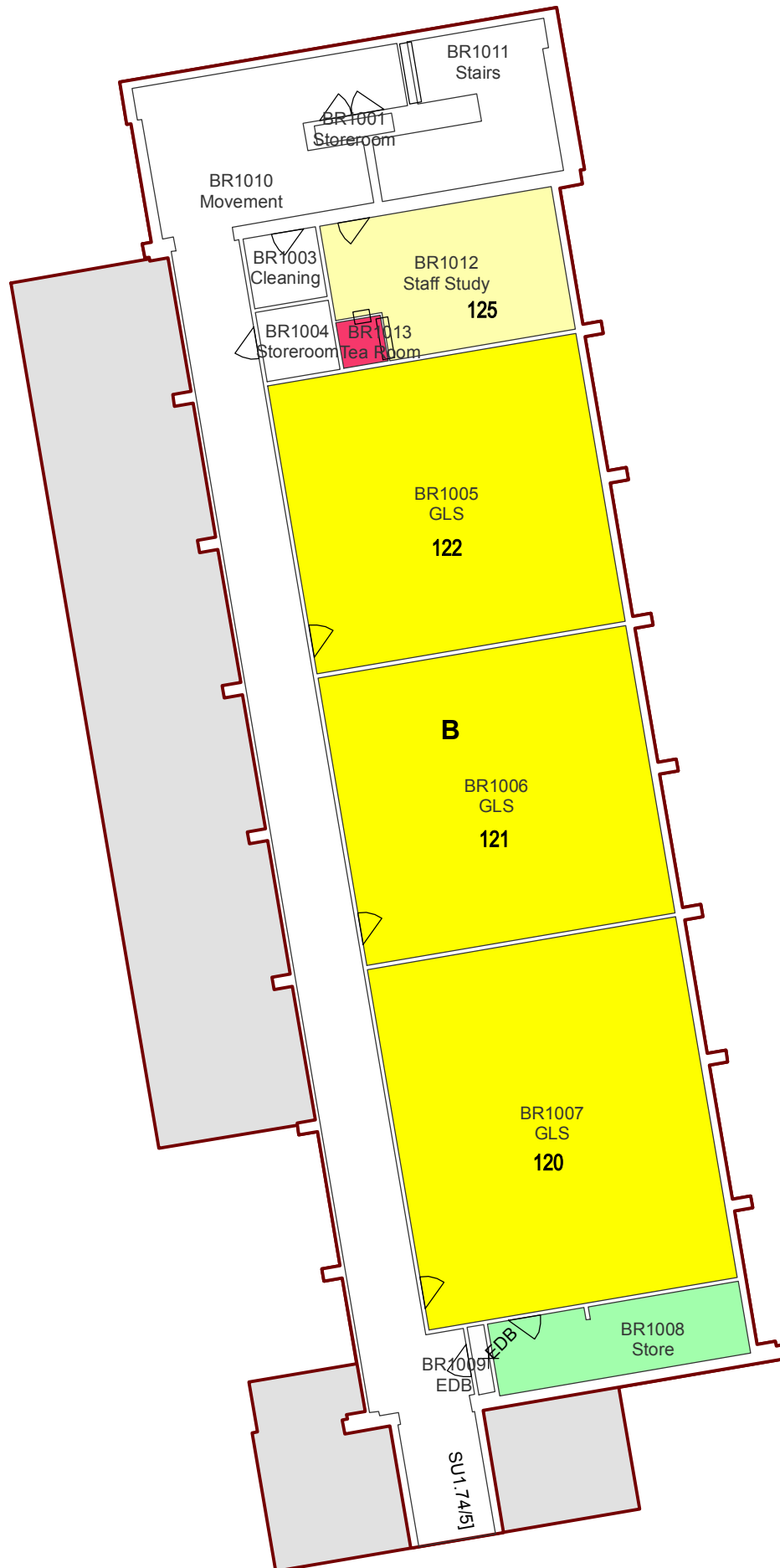
0 2.5 5 7.5
Meters

8232 - Chatswood High School
General Learning (B00B) - Ground Floor (Room Function)



B
BLOCK

8232 - Chatswood High School
General Learning (B00B) - 1st Floor (Room Function)

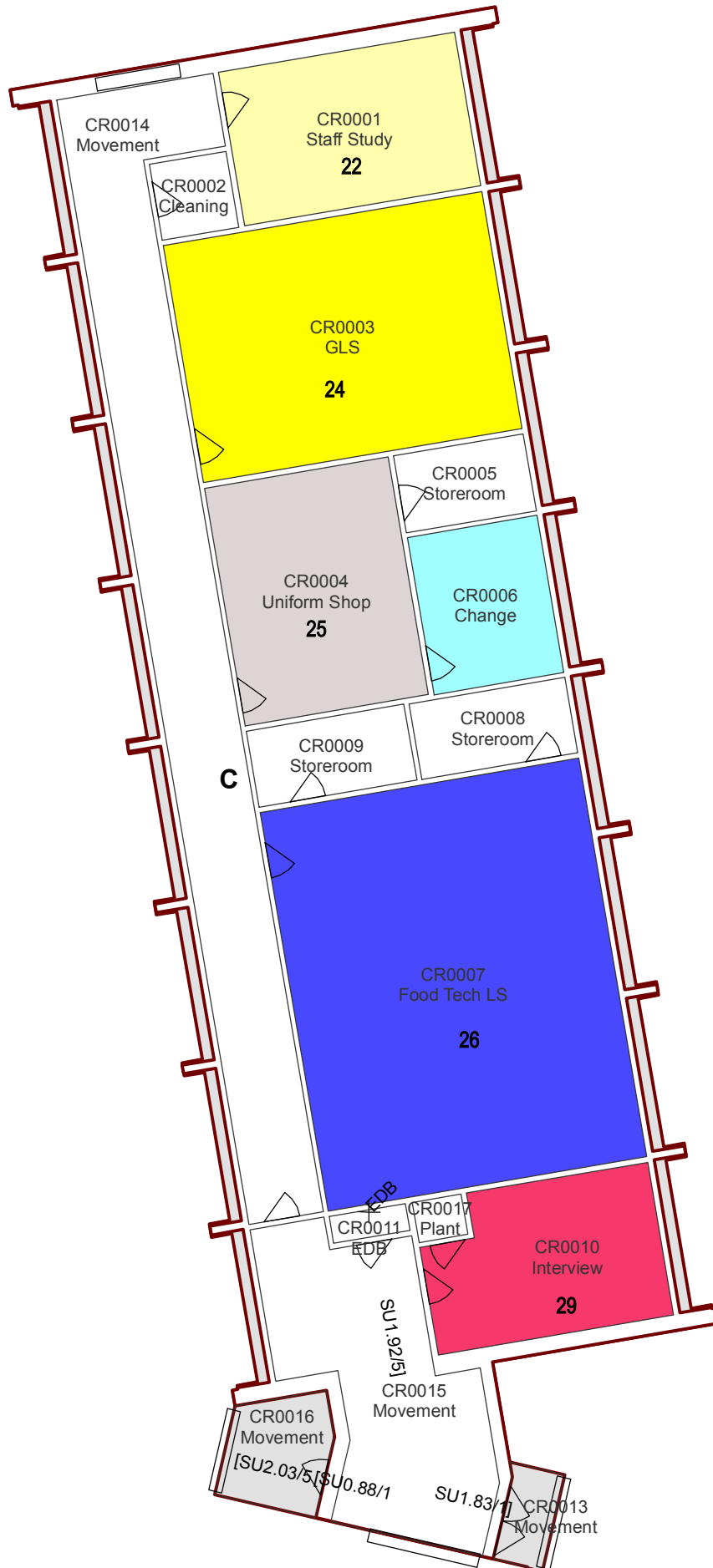


0 2.5 5 7.5
Meters

B
BLOCK

8232 - Chatswood High School

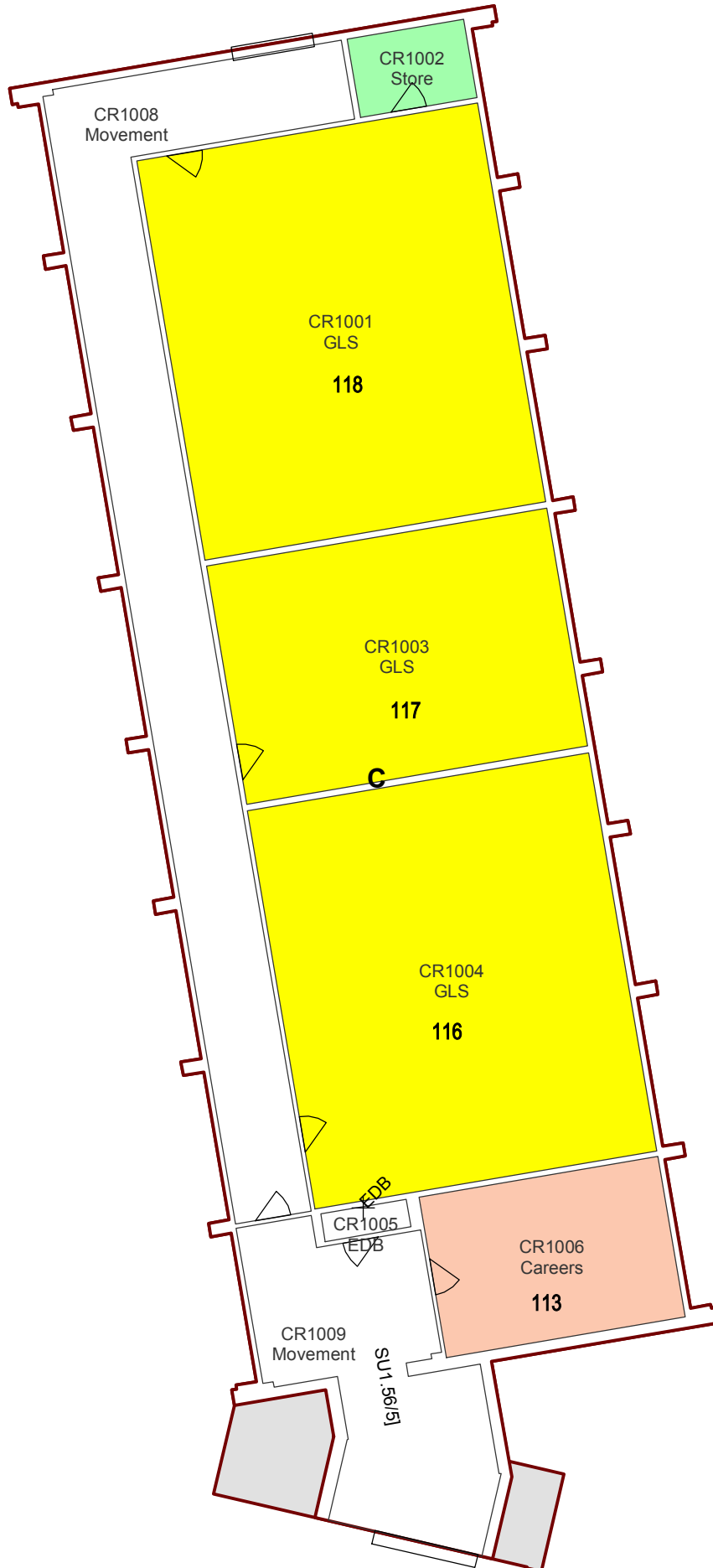
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0 2 4 6
Meters

8232 - Chatswood High School

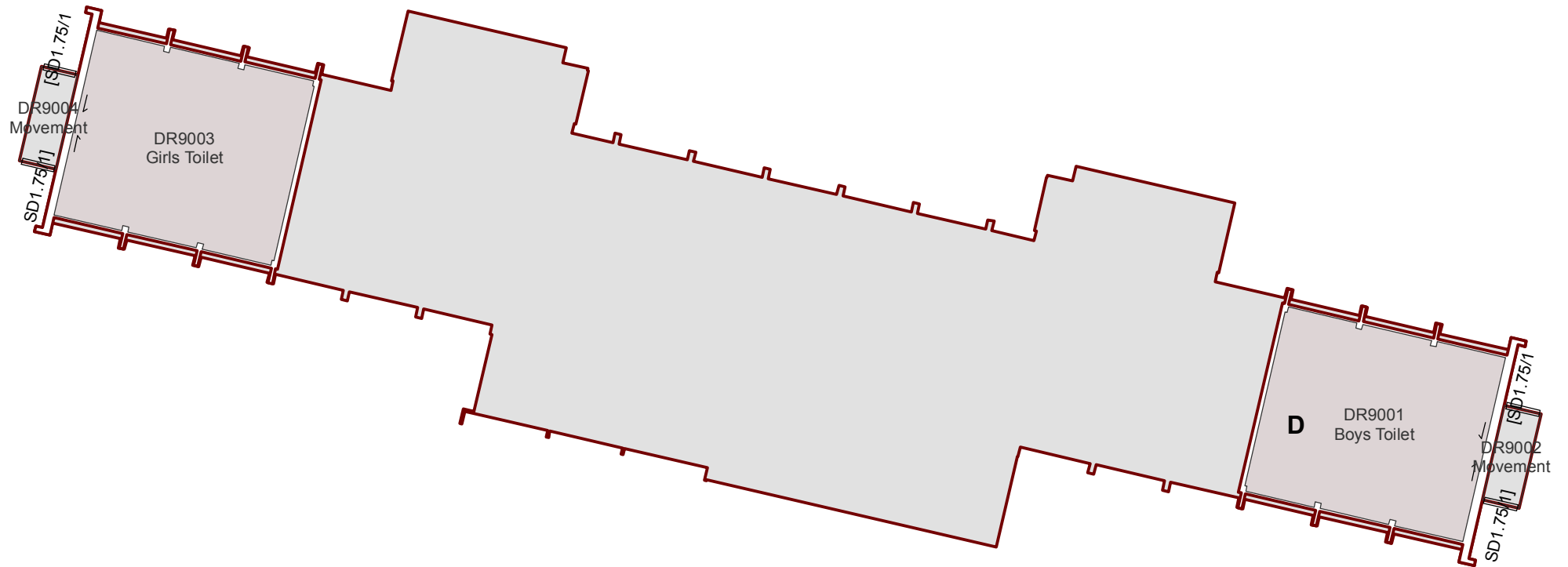
General Learning/Technological & Applied Studies (B00C) - 1st Floor (Room Function)



0 2 4 6
Meters

C
BLOCK

8232 - Chatswood High School
General Learning/Computer Learning (B00D) - Basement 1 (Room Function)



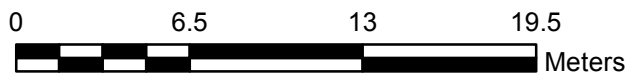
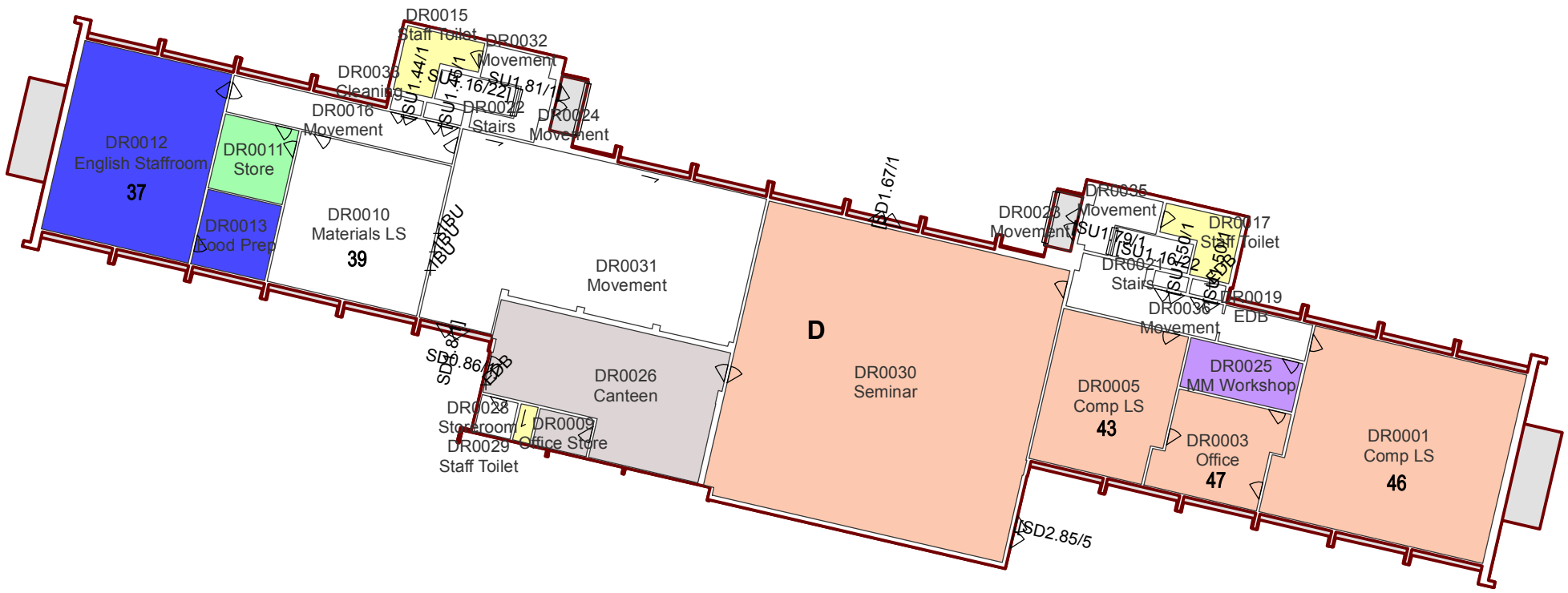
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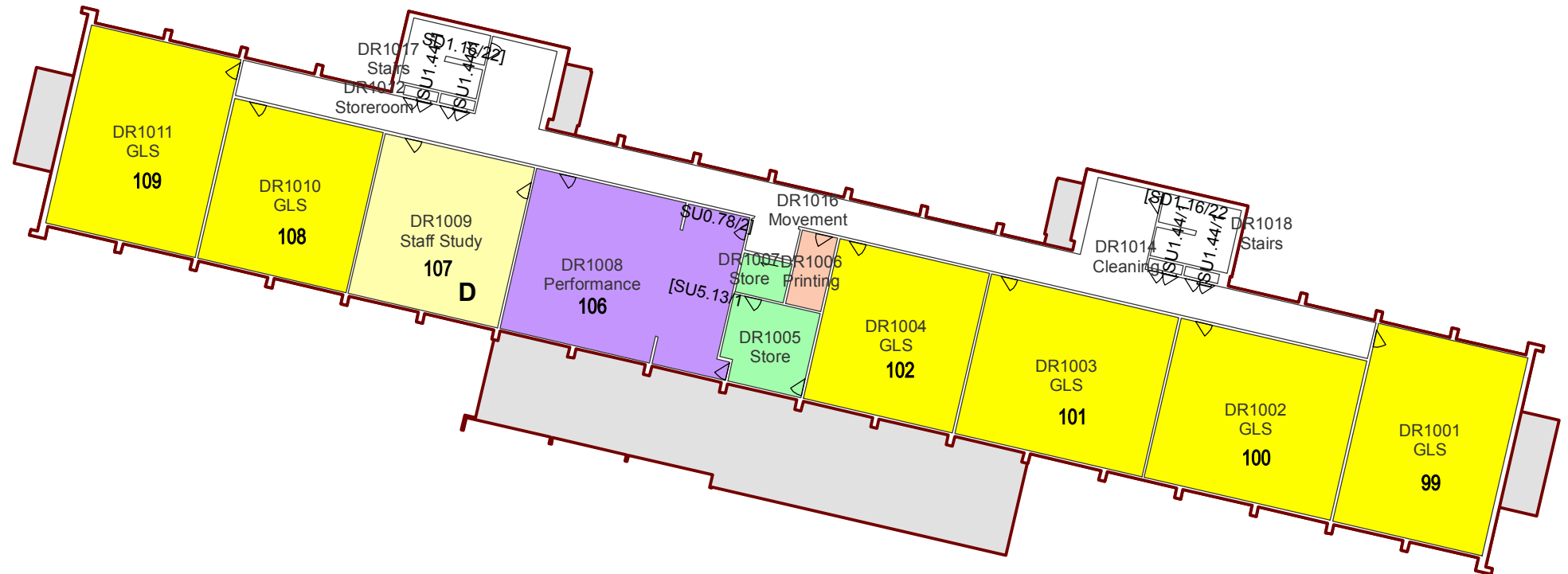
D
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Printed: 06-May-2017

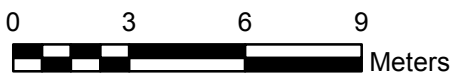
8232 - Chatswood High School
General Learning/Computer Learning (B00D) - Ground Floor (Room Function)



D
BLOCK



D BLOCK



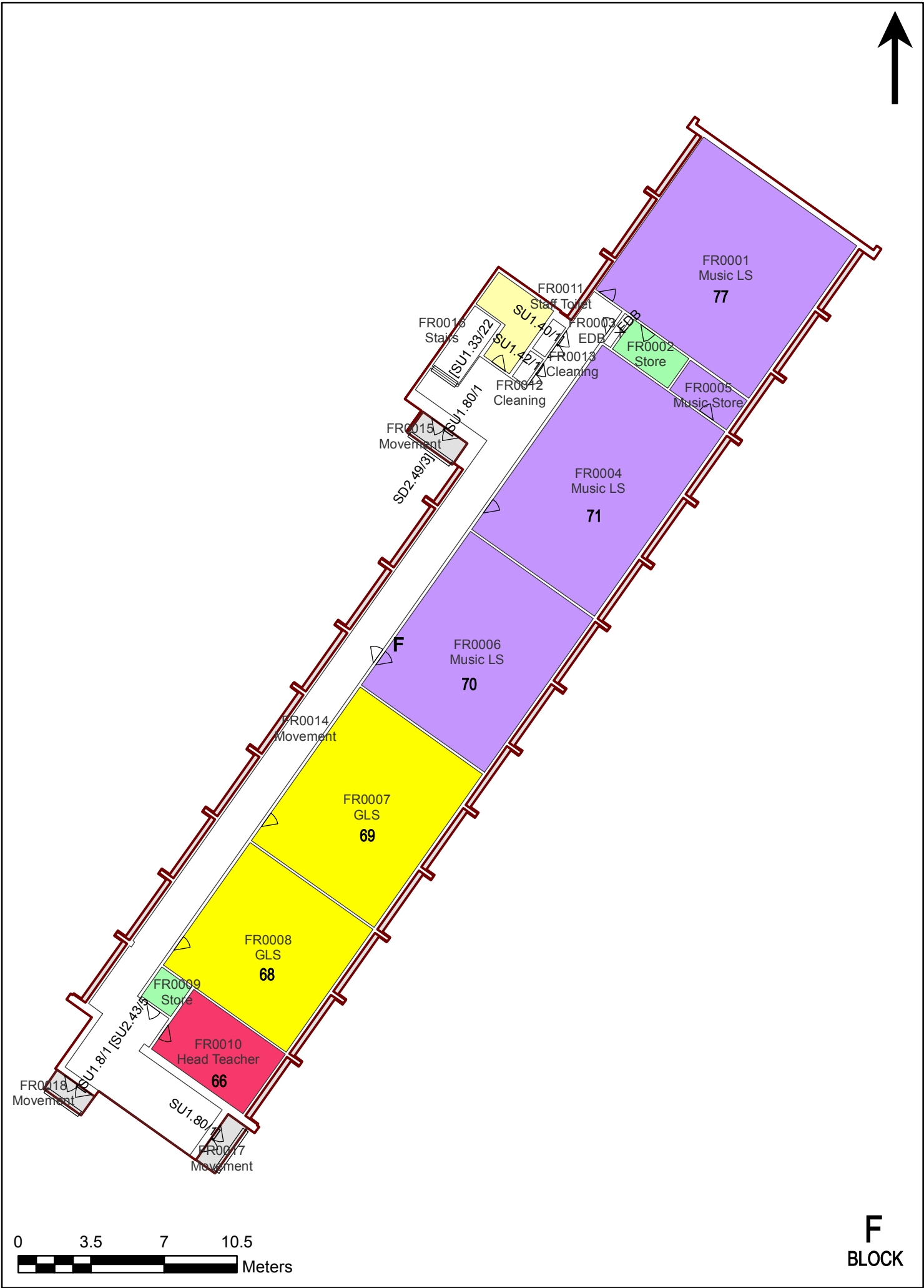
1:196

8232 - Chatswood High School
Computer Learning (B00E) - 1st Floor (Room Function)



E
BLOCK

8232 - Chatswood High School
General Learning/Art/Music (B00F) - Ground Floor (Room Function)



8232 - Chatswood High School
General Learning/Art/Music (B00F) - 1st Floor (Room Function)



F
BLOCK

8232 - Chatswood High School
Science Learning/Library/Physical Education (B00H) - Ground Floor (Room Function)



8232 - Chatswood High School
Science Learning/Library/Physical Education (B00H) - 1st Floor (Room Function)



8232 - Chatswood High School
Science Learning/Library/Physical Education (B00H) - 2nd Floor (Room Function)



8232 - Chatswood High School

Science Learning/Library/Physical Education (B00H) - 2nd Floor Mezzanine (Room Function)



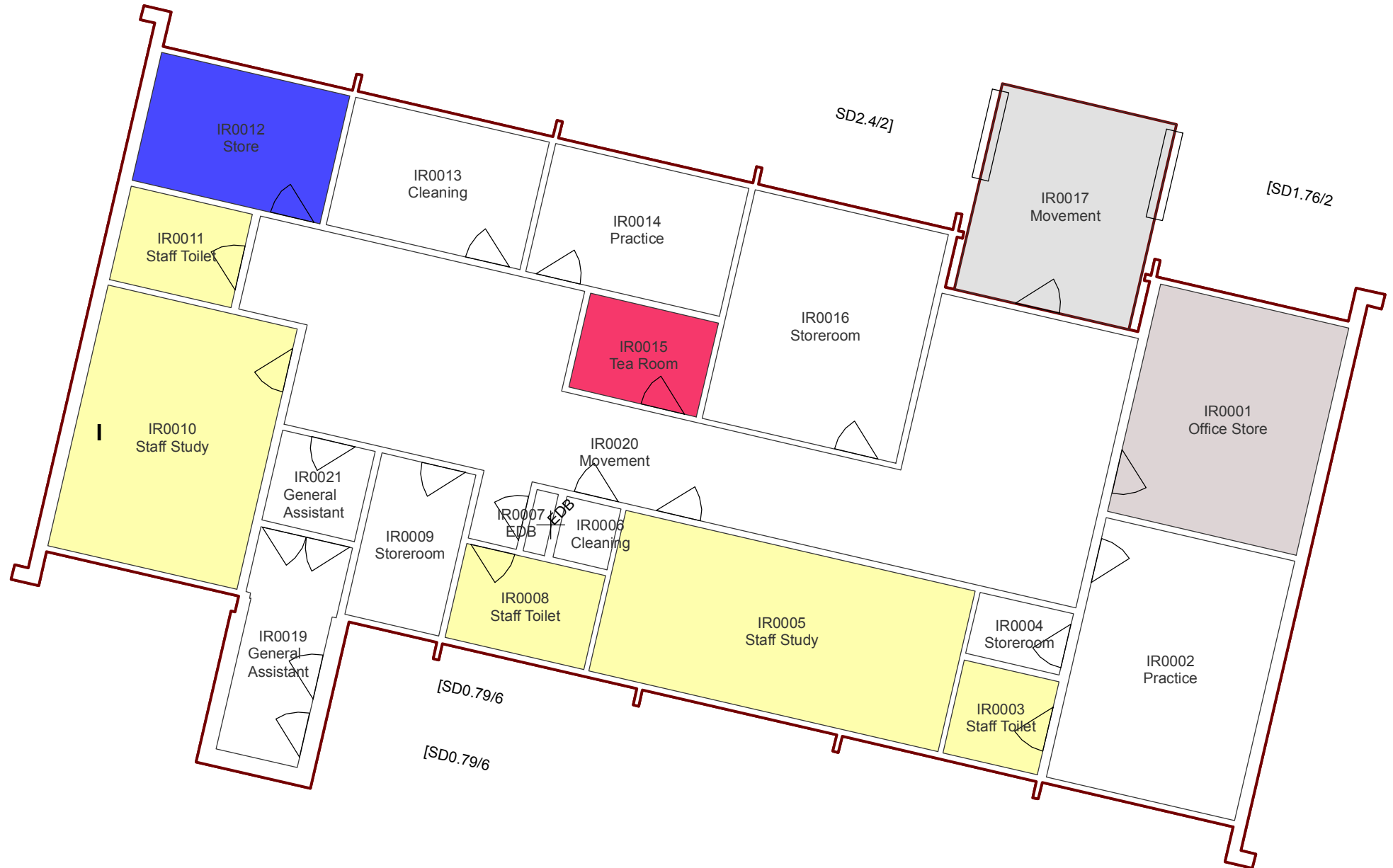
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Meters

1:195

H
BLOCK

Printed: 06-May-2017

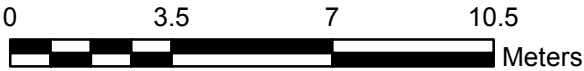
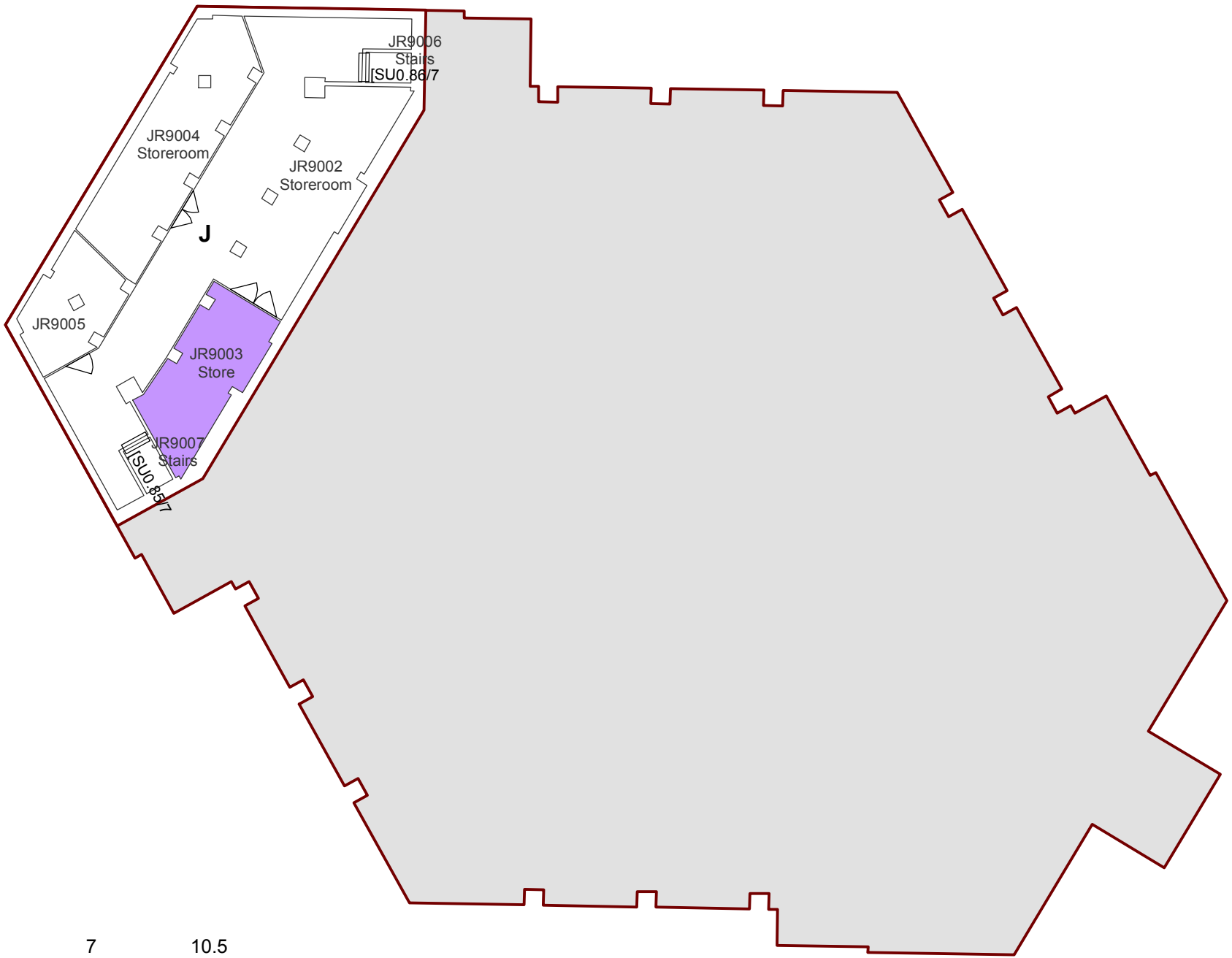
8232 - Chatswood High School
Music (B00I) - Ground Floor (Room Function)



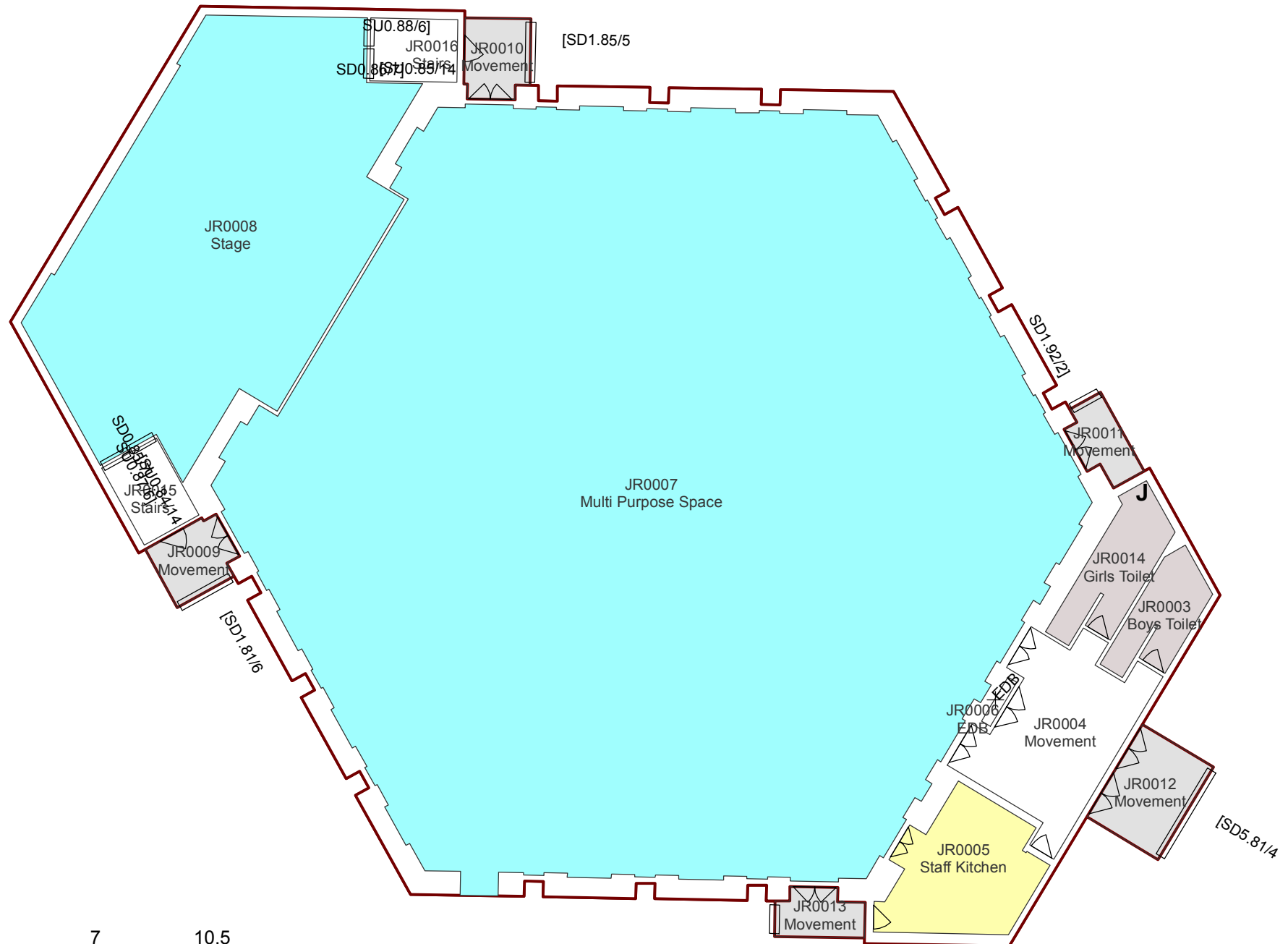
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BLOCK

8232 - Chatswood High School
Multi Purpose Facilities (B00J) - Basement 1 (Room Function)

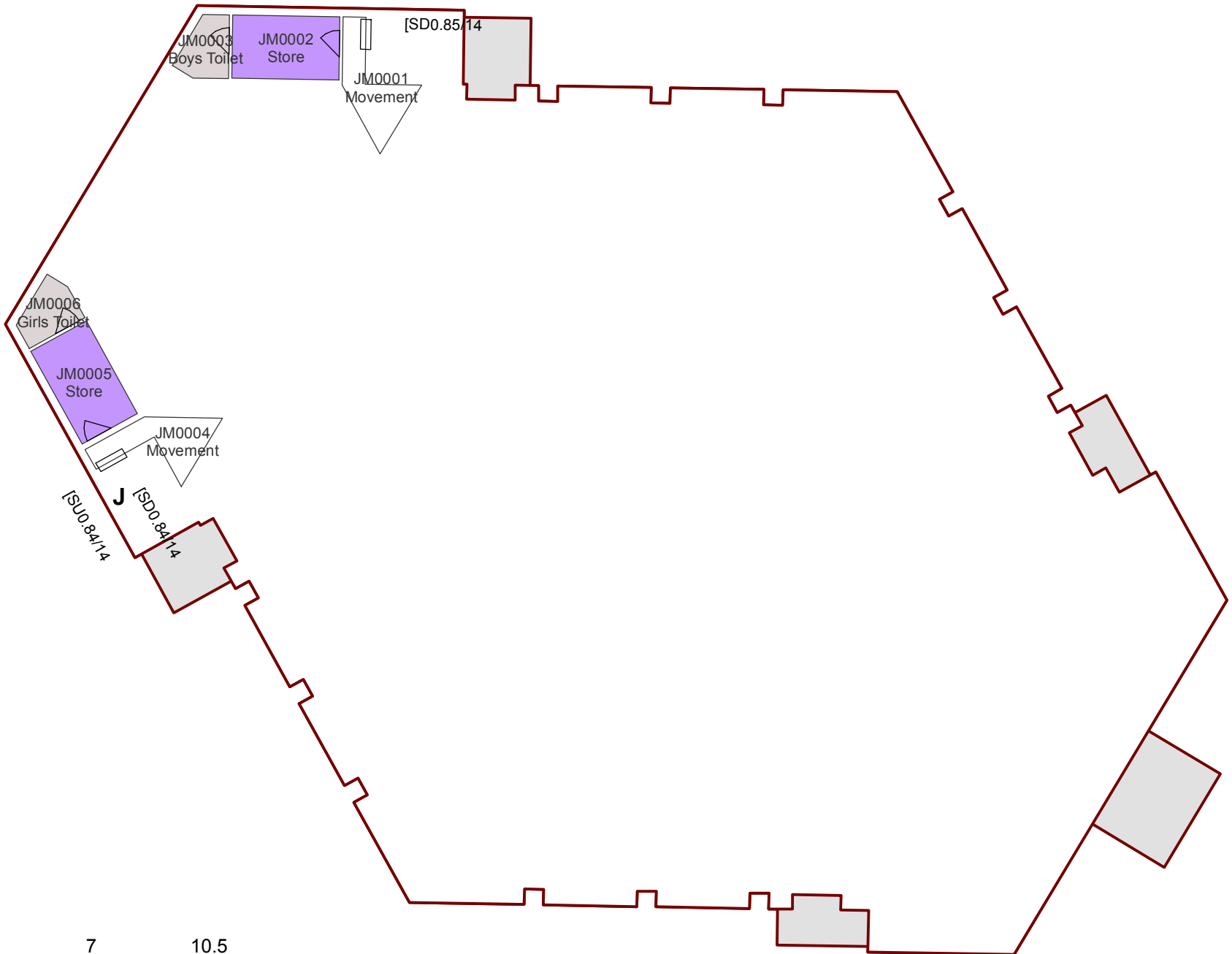


8232 - Chatswood High School
Multi Purpose Facilities (B00J) - Ground Floor (Room Function)



0 3.5 7 10.5
Meters

8232 - Chatswood High School
Multi Purpose Facilities (B00J) - Ground Floor Mezzanine (Room Function)



0 3.5 7 10.5
Meters

8232 - Chatswood High School

General Learning/Technological & Applied Studies (B00K) - Ground Floor (Room Function)

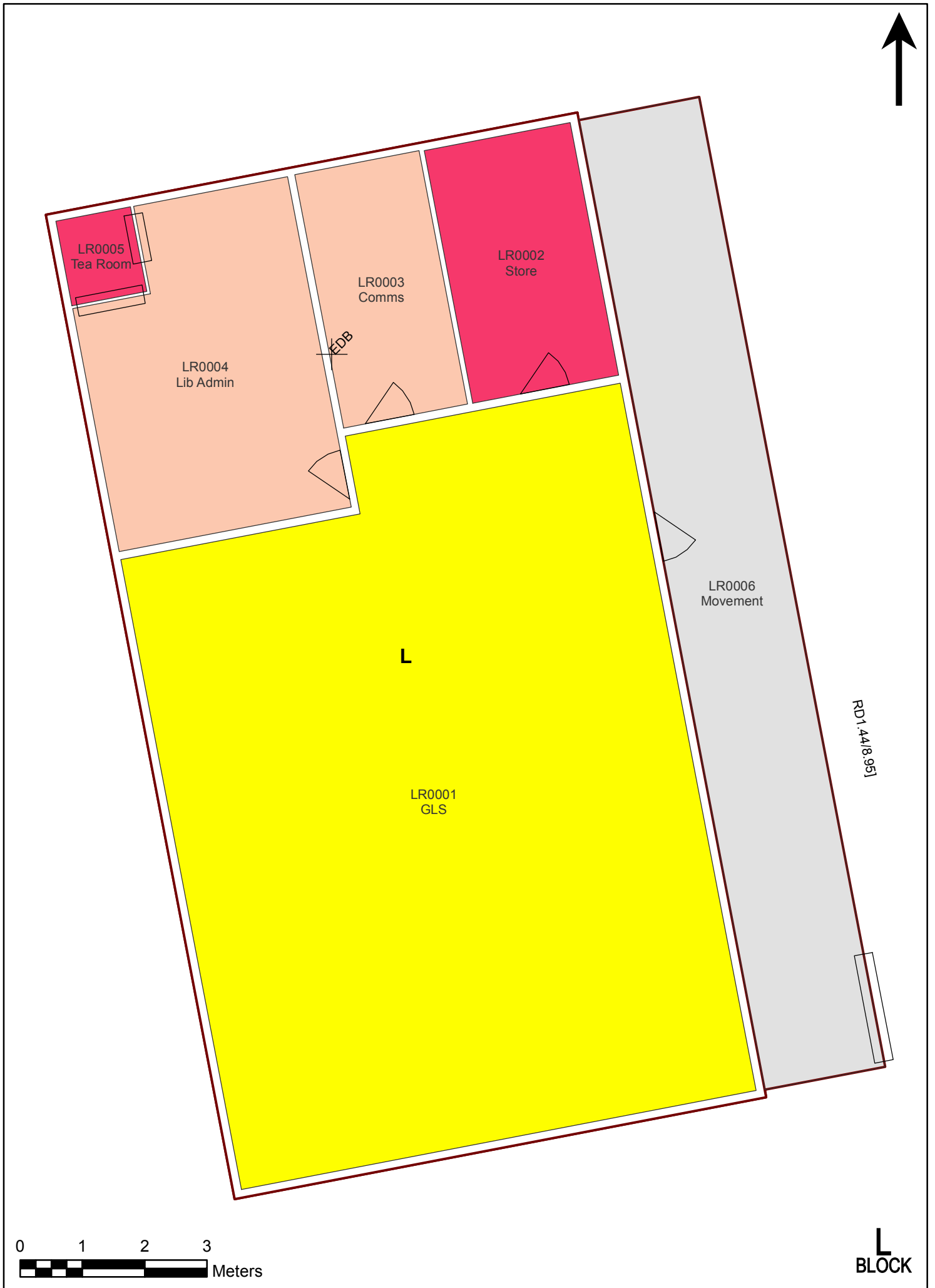


8232 - Chatswood High School

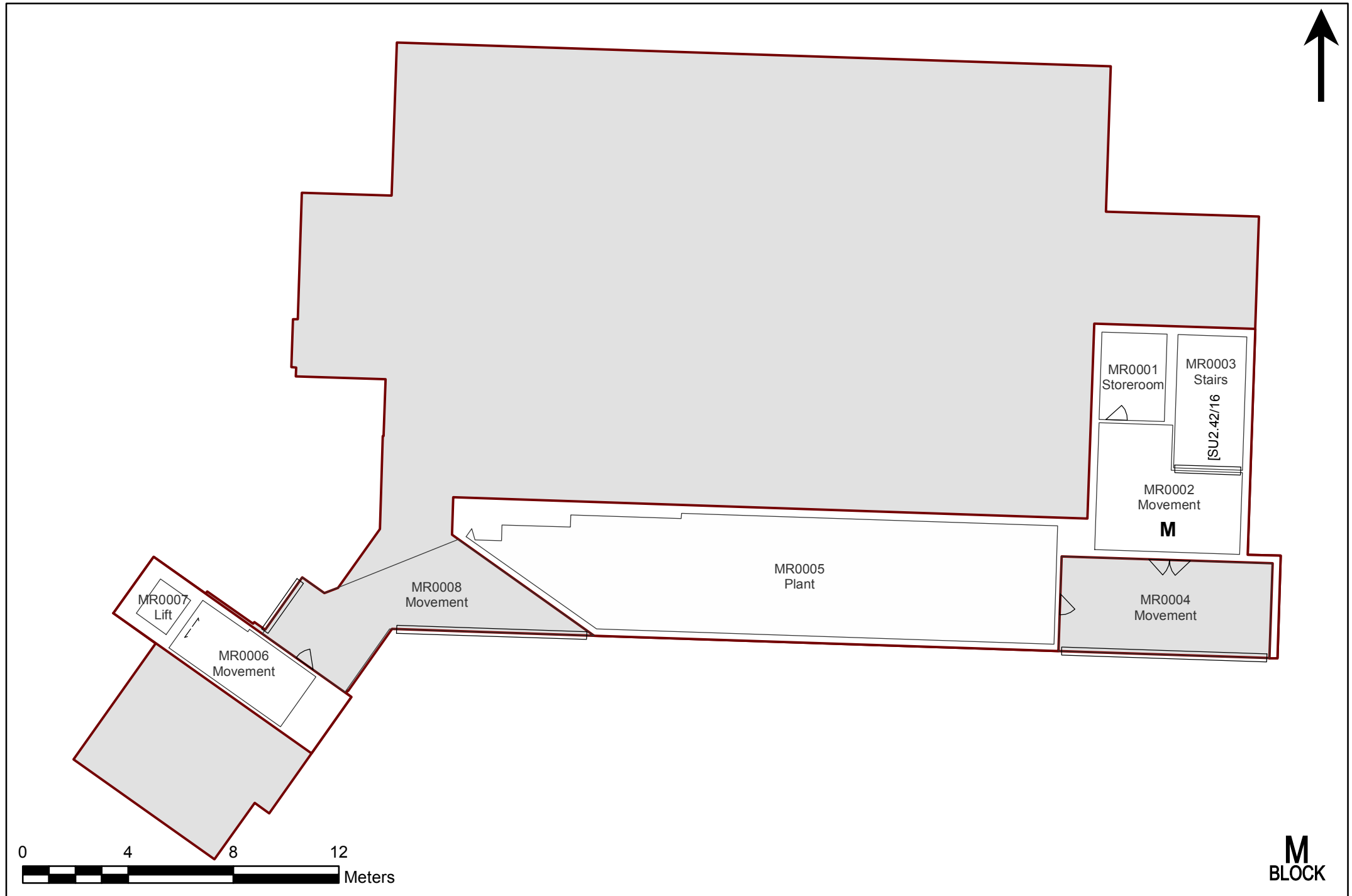
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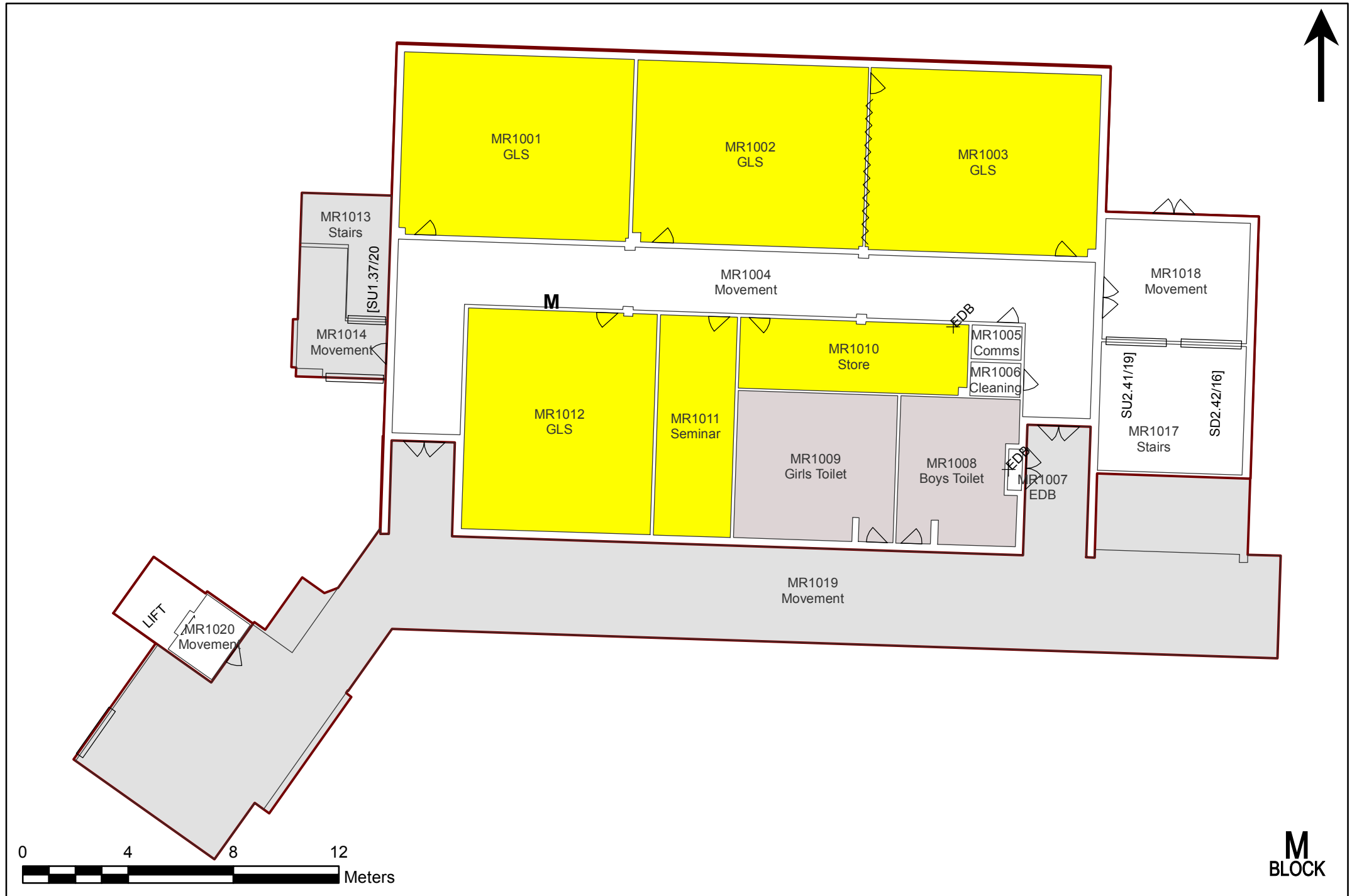
8232 - Chatswood High School
Library (B00L) - Ground Floor (Room Function)



8232 - Chatswood High School
Administration/General Learning (B00M) - Ground Floor (Room Function)



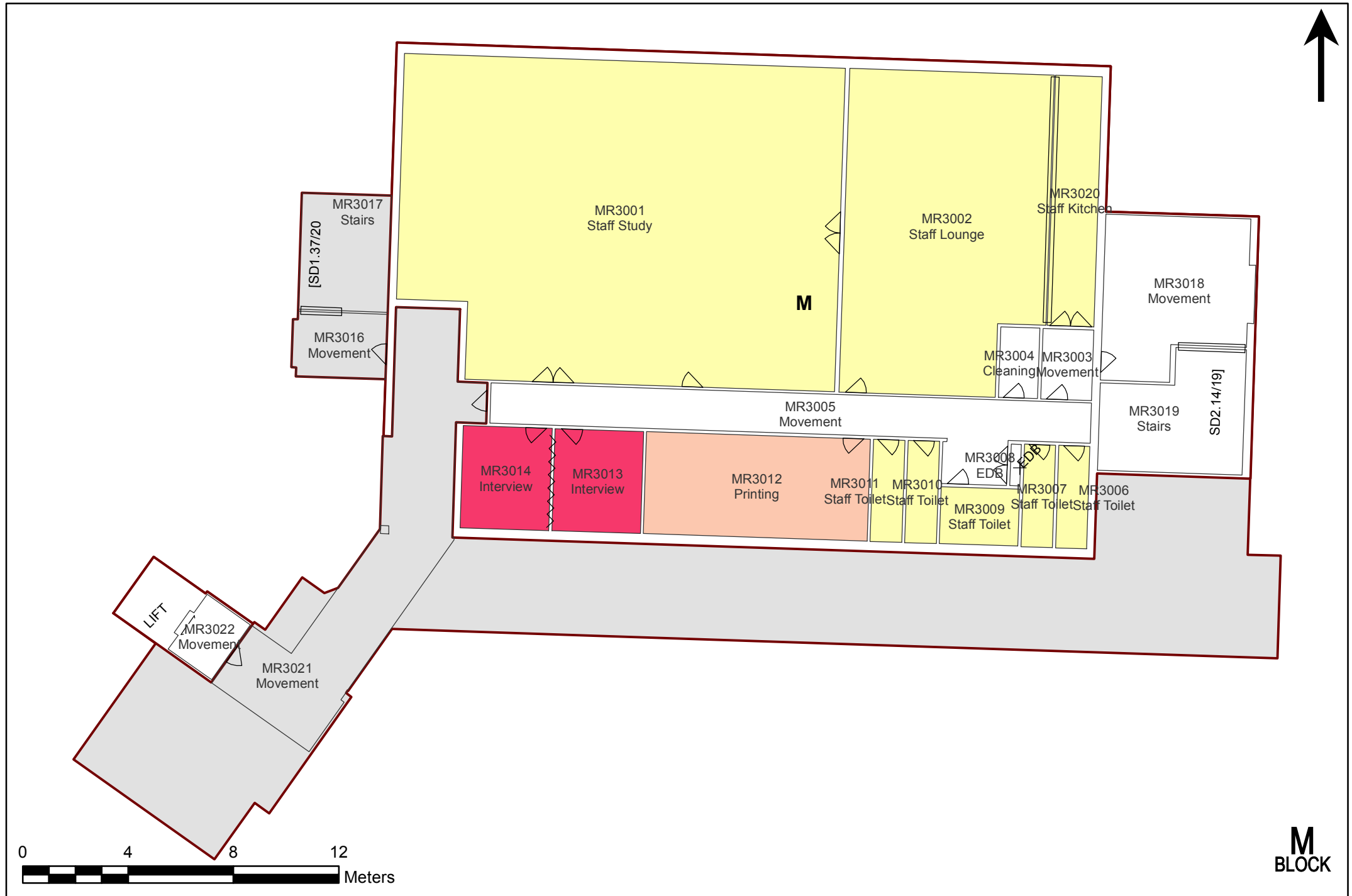
8232 - Chatswood High School
Administration/General Learning (B00M) - 1st Floor (Room Function)



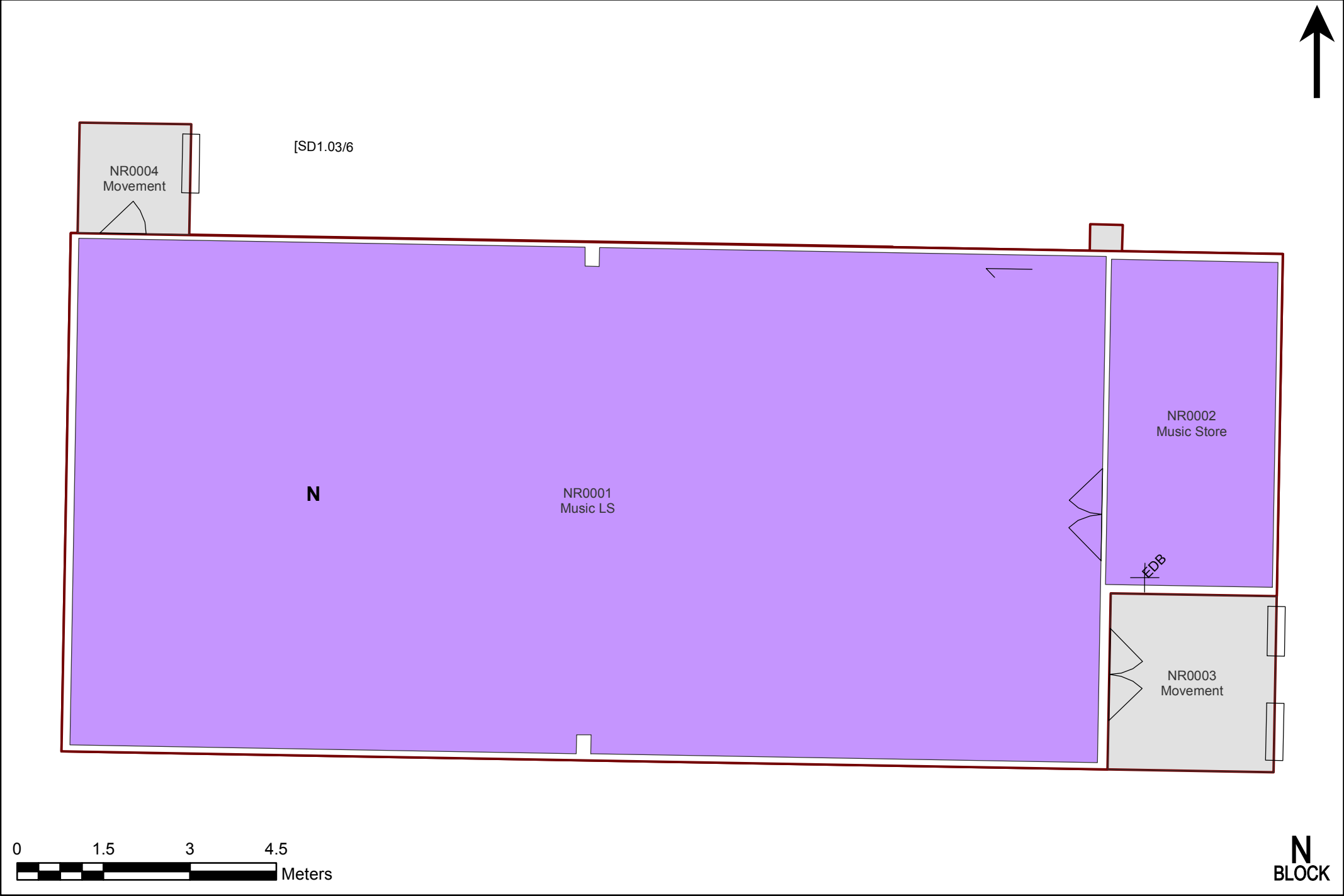
8232 - Chatswood High School
Administration/General Learning (B00M) - 2nd Floor (Room Function)



8232 - Chatswood High School
Administration/General Learning (B00M) - 3rd Floor (Room Function)



8232 - Chatswood High School
Music (B00N) - Ground Floor (Room Function)



0 1.5 3 4.5
Meters

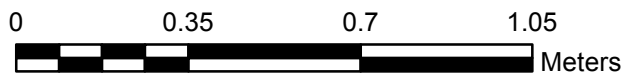
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8232 - Chatswood High School
Building Services (B00Z) - Ground Floor (Room Function)

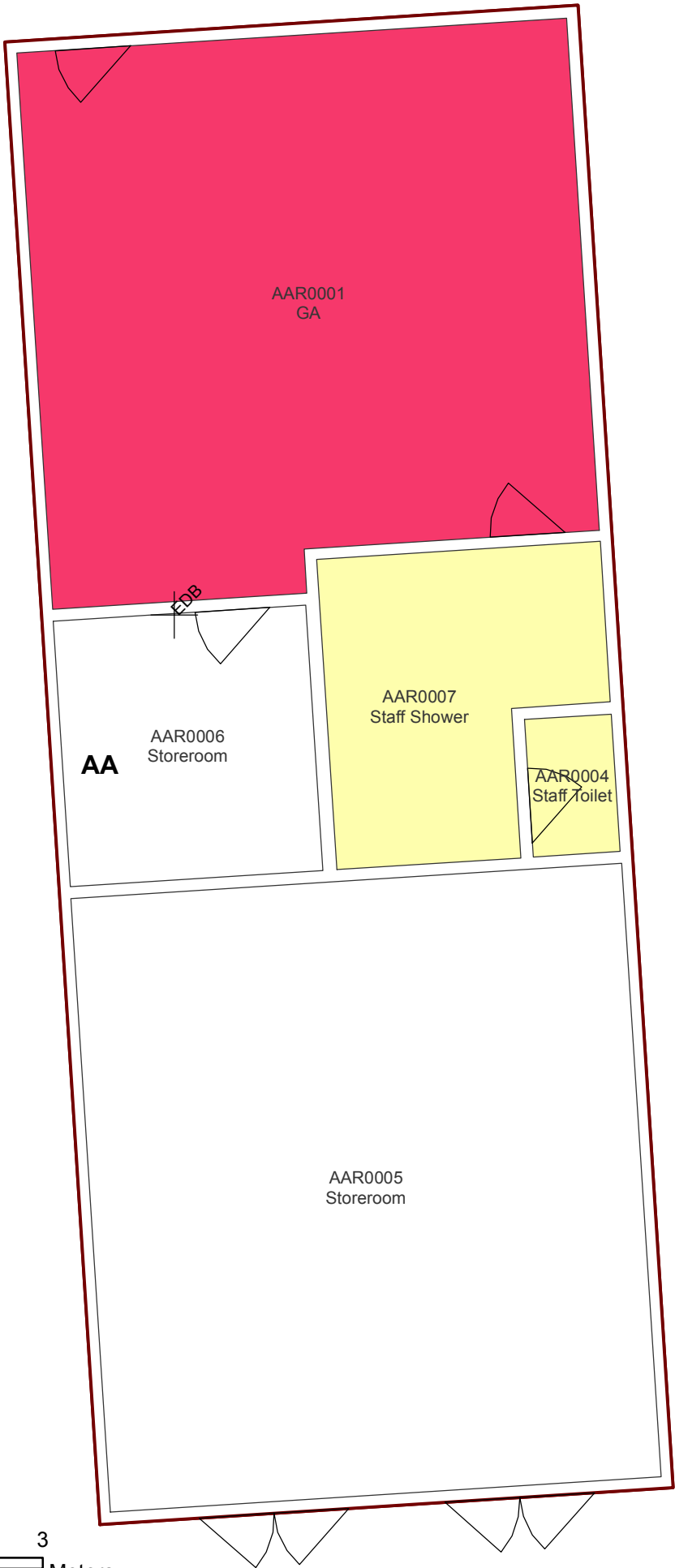


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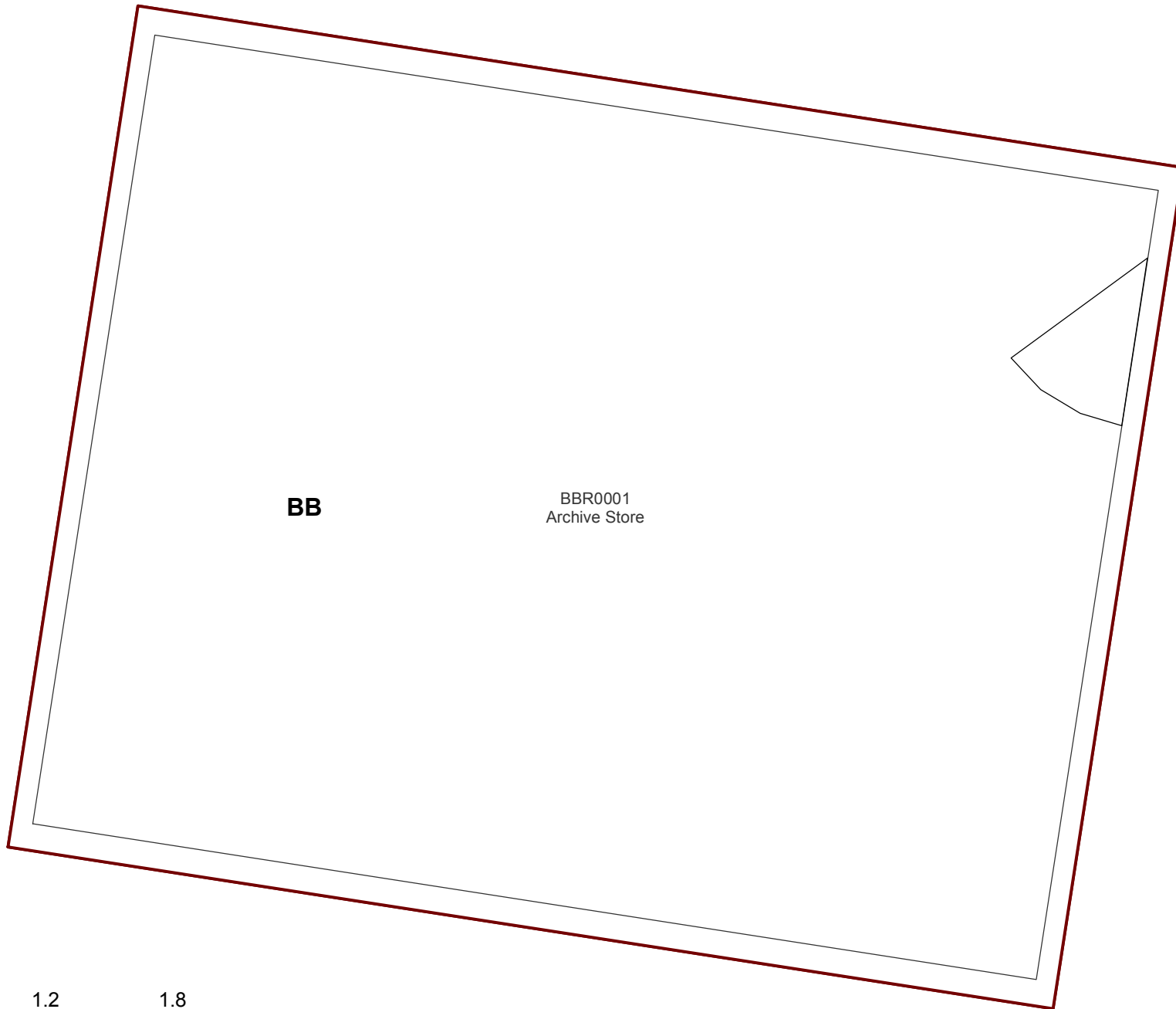
ZR0001
Plant



8232 - Chatswood High School
Staff (B0AA) - Ground Floor (Room Function)



8232 - Chatswood High School
Storage (B0BB) - Ground Floor (Room Function)



Appendix A Hazardous Materials Register

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
Refer sample A-A02 (DP 2018)	Ground floor, Room R0007, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G inspection and was observed to have been removed. No documentation was made available to JBS&G.
A-A01	First floor, Room R1001, floor covering beneath carpet	Grey vinyl tiles	1	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	69 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample A-A06 (DP 2018)	First floor, Room R1002, floor	Grey vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G inspection and was observed to have been removed and replaced with new vinyl flooring. No documentation was made available to JBS&G.
As per A-A01	First floor, Room R1004, floor covering beneath carpet	Grey vinyl tiles	1	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	69 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	First floor, Room R1006, lower level, floor	Grey vinyl tiles	1	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	7 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
A-AD02	First floor, Room R1007, floor	Accumulated dust	5	Yes	Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected in weathered fibre cement fragment	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample A-A03 (DP 2018)	First floor, Room R1007, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Fair	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	First floor, Room R1008, floor covering beneath carpet	Grey vinyl tiles	1	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	69 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	First floor, Room R1010, floor	Grey vinyl tiles	1	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	25 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
A-A02	First floor, Room R1010, floor	Brown vinyl tiles	2	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	5 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
A-A07	External, soffit to east and west entries (R0011 & R0017)	Fibre cement sheeting	3	Yes	Non- Friable	Chrysotile and Amosite Asbestos Detected	Good	20 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A07	External, eaves and verge lining to gable ends	Fibre cement sheeting	4	No	Non- Friable	Assumed Asbestos	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample A-A01 (DP 2018)	Subfloor, packers to joists	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample A-A02 (DP 2018)	Subfloor, ground surface	Fibre cement sheet debris	-	Yes	Non- Friable	Asbestos Detected	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
No Asbestos Detected (NAD)											
-	Ground Floor, Room R0007, door	Internal core/lining	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	23/1/2019 JBS&G SL	
A-AD01	Ground Floor, Room R0007, floor	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample S4 (AECOM 2014)	Ground Floor, Room R0011, ceiling	Vermiculite	-	No		No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections.
A-A03	First floor, Room R1002, walls and ceiling	Acoustic tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
A-A04	First floor, Room R1006, upper level, floor	Green vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample A-A04 (DP 2018)	First floor, Room R1007, walls	Cement render	-	Yes		No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
A-A05	First floor, Room R1010, beneath tiles	Black adhesive	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
A-AD03	Roof void	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
A-A06	Roof void, sarking	Bituminous sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
A-A08	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Lead Containing Dust											
A-LD01	Roof void	Accumulated dust	6	Yes	-	940 mg/kg	Poor	350 m ²	Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample A-LD01 (DP 2018)	Roof void	Accumulated dust	-	Yes	-	>0.5 mg/m ²	Poor		Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											
A-LP02	Ground floor, walls throughout	Cream/yellow paint	7	Yes	-	0.12% w/w	Fair	>300 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample A-P06 (DP 2018)	Ground floor, Room R0009, skirting boards	Brown paint	-	Yes	-	>0.1% w/w	Good	10 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample A-P08 (DP 2018)	First floor, Room R1001, windows	Paint	8	Yes	-	>0.1% w/w	Good	10 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
-	Throughout internal areas	Paint systems	-	Yes	-	Assumed lead based paint	Fair	Unknown	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Non-Lead Based Paints											
A-LP01	Ground floor, door frames, doors and windows	Cream paint	-	Yes	-	0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample A-P05 (DP 2018)	Ground Floor, Room R0009, infill panels	Cream/pink paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample A-P07 (DP 2018)	First floor, Room R1010, windows	Paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample A-P01 (DP 2018)	External, metal rails	Dark blue & cream paint	--	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample A-P02 (DP 2018)	External, windows	Cream paint	--	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample A-P03 (DP 2018)	External, timber benches	Dark blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample A-P04 (DP 2018)	External, walls	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Ground floor, Room R0014, instant hot water system	Insulation core	9	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Ground floor, Room R0014, hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	No insulation observed within roof void at time of JBS&G inspection
-	External, split system air conditioning units	Internal insulation	10	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
As per B-A03	Ground floor, Room R0002, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Assumed Asbestos	Fair	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per B-A03	Ground floor, Room R0003, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Assumed Asbestos	Fair	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
B-A03	Ground floor, Room R0008, ceiling	Fibre cement sheeting	11	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Fair	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Ground floor, Room R0008, floor	Accumulated dust	-	Yes	Assumed Friable	Asbestos Assumed to be Present	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	Ground floor, Room R0010, floor	Grey vinyl tiles	-	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	6 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample B-A02 (DP 2018)	First floor, Room R1001, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Assumed Asbestos	Fair	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	First floor, Room R1004, floor	Grey vinyl tiles	12	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	60 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	First floor, Room R1005, floor covering beneath carpet	Grey vinyl tiles	12	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	55 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per A-A01	First floor, Room R1006, floor covering beneath carpet	Grey vinyl tiles	12	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	55 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	First floor, Room R1007, floor covering beneath carpet	Grey vinyl tiles	12	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	69 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample S6 (AECOM 2014)	First floor, Room R1008, floor	Grey vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	Good	11 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.
B-AD02	First floor, Room R1009, floor	Accumulated dust	-	Yes	Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected in fibre cement fragments	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample B-A01 (DP 2018)	First floor, Room R1009, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Assumed Asbestos	Fair	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
B-A01	First floor, Room R1010, floor covering beneath carpet	Blue vinyl tiles	13	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	19 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	First floor, Room R1010, floor covering beneath carpet	Grey vinyl tiles	12	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	60 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per A-A01	First floor, Room R1011, floor	Grey vinyl tiles	12	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	13 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per B-A01	First floor, Room R1012, floor covering beneath carpet	Blue vinyl tiles	13	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	19 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer AECOM 2018	First Floor, Room R1012, ceiling	Fibre cement sheeting		Yes	Non- Friable	Assumed Asbestos	Good	19 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material observed to comprise plasterboard material and not suspected to contain asbestos.
B-A04	External, soffit to east and west entries (awnings/R0011/ R0012)	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile and Amosite Asbestos Detected	Good	20 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per B-A04	External, eaves and verge lining to gable ends	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
-	Ground Floor, Room R0008, door	Internal core/lining	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	23/1/2019 JBS&G SL	
B-A02	First floor, Room R1010, beneath tiles	Black adhesive	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
B-AD01	Roof void	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
As per A-A06	Roof void, sarking	Bituminous sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per A-A08	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
B-LD01	Roof void	Accumulated dust	-	Yes	-	450 mg/kg	Poor	350 m ²	Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											
Refer sample B-P01 (DP 2018)	First floor, internal windows	Cream paint	14	Yes	-	>0.1% w/w	Fair	40 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample B-P02 (DP 2018)	Internal, timber doors and frames	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample B-P03 (DP 2018)	Internal, walls	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample B-P04 (DP 2018)	Internal, lower walls and skirting boards	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample B-P05 (DP 2018)	External, windows	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building B



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Refer sample B-P06 (DP 2018)	External, walls	Maroon paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample B-P07 (DP 2018)	External, timber benches	Orange/blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Ground floor, Room R0007, instant hot water system	Insulation core	15	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	External, split system air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
C-A01	Ground floor, Room R0003, floor covering beneath carpet	Grey vinyl tiles	16	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	38 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample C-A11 (DP 2018)	Ground floor, Room R0011, ceiling	Fibre cement sheeting	-	Yes	Non-Friable	Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Ground floor, Room R0011, floor	Accumulated dust	-	Yes	Assumed Friable	Asbestos Assumed to be Present	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer AECOM 2014	Ground floor, Room R0014, floor	Vinyl tiles	-	Yes	Non-Friable	Assumed Asbestos	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.
Refer AECOM 2014	Ground floor, Room R0015, floor	Vinyl tiles	-	Yes	Non-Friable	Assumed Asbestos	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.
Refer sample C-A08 (DP 2018)	Ground floor, Room R0017, ceiling	Fibre cement sheeting	17	Yes	Non-Friable	Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building C



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-	Ground floor, Room R0017, flue	Fibre cement pipe	17	Yes	Non- Friable	Assumed Asbestos	Good	2 lin. m.	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Ground floor, Room R0017, flue	insulation	-	Yes	Non- Friable	Assumed Asbestos	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been in reference to the fibre cement pipe identified above.
As per C-A01	First floor, Room R1001, floor covering beneath carpet	Grey vinyl tiles	16	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	70 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per C-A01	First floor, Room R1003, floor covering beneath carpet	Grey vinyl tiles	16	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	42 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per C-A01	First floor, Room R1004, floor covering beneath carpet	Grey vinyl tiles	16	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	70 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample C-A11 (DP 2018)	First floor, Room R1005, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Fair	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample C-A09 (DP 2018)	First floor, Room R1005, floor	Accumulated dust	-	Yes	Assumed Friable	Asbestos Detected	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material assumed to still be present at time of JBS&G inspection.
As per C-A01	First floor, Room R1008, floor covering beneath carpet	Grey vinyl tiles	16	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	52 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer AECOM 2014	First floor, Room R1009, floor	Vinyl tiles	-	Yes	Non- Friable	Assumed Asbestos	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.
As per B-A04	External, soffit to east and west entries (awnings/R0013/R0016)	Fibre cement sheeting	18	Yes	Non- Friable	Chrysotile and Amosite Asbestos Detected	Good	10 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per B-A04	External, eaves and verge lining to gable ends	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Subfloor, packers to joists	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Subfloor, ground surface	Fibre cement sheet debris	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
C-A03	Ground floor, Room R0003, beneath tiles	Black adhesive	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
C-A02	First floor, Room R1006, floor covering beneath carpet	Beige vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
C-A04	Roof void, sarking	Bituminous sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
C-A05	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
C-AD01	Roof void	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-A01 (DP 2018)	Ground floor, Room R0015, floor beneath carpet	Beige vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-A02 (DP 2018)	Ground floor, Room R0014, floor beneath carpet	Blue vinyl	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-A03 (DP 2018)	Ground floor, Room R0002, floor	Grey vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-A04 (DP 2018)	Ground floor, Room R0002, beneath tiles	Amber adhesive	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-A05 (DP 2018)	Ground floor, Room R0007, floor	Brown vinyl	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-A07 (DP 2018)	Ground floor, Room R0013, floor	Blue vinyl	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample S10 (AECOM 2014)	Ground floor, Room R0005, floor	Vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample S10 (AECOM 2014)	Ground floor, Room R0006, floor	Vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Lead Containing Dust											
C-LD01	Roof void	Accumulated dust	-	Yes	-	1,100 mg/kg	Poor	350 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											
Refer sample C-P02 (DP 2018)	External, walls	Orange/red paint	19	Yes	-	>0.1% w/w	Good	100 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample C-P03 (DP 2018)	External, windows	White paint	20	Yes	-	>0.1% w/w	Good	40 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample C-P06 (DP 2018)	External, timber doors and frames	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-P07 (DP 2018)	Internal, walls	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample C-P05 (DP 2018)	Internal, windows	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-P08 (DP 2018)	External, windows	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-P01 (DP 2018)	External, walls	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample C-P04 (DP 2018)	External, timber benches	Orange/blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Ground floor, Room R0001, instant hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Ground floor, Room R0017, hot water system	Insulation core	21	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	External, split system air conditioning units	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building D



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
Refer sample S6 & S8 (AECOM 2014)	Ground floor, Room R0001 and R0002, floor covering beneath carpet	Vinyl tiles	-	Yes	Non- Friable	Assumed Asbestos	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G inspection. Material assumed to have been removed. No documentation was made available to JBS&G.
Refer sample D-A03 (DP 2018)	Ground floor, Room R0008, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Fair	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Ground floor, Room R0008, floor	Accumulated dust	-	Yes	Assumed Friable	Asbestos Assumed to be Present	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	Ground floor, Room R0016, floor covering beneath carpet	Grey vinyl tiles	-	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	19 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
D-A01	First floor, Room R1001, floor covering beneath carpet	Grey vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	70 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
D-A02	First floor, Room R1001, floor covering beneath carpet	Black vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
D-A03	First floor, Room R1001, floor covering beneath carpet	Cream vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building D



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
D-A04	First floor, Room R1002, floor covering beneath carpet	Red vinyl tiles	23	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	70 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
D-A05	First floor, Room R1002, floor covering beneath carpet	Beige vinyl tiles	23	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
D-A06	First floor, Room R1002, floor covering beneath carpet	Brown vinyl tiles	23	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1003, floor covering beneath carpet	Black vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	70 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A04	First floor, Room R1003, floor covering beneath carpet	Red vinyl tiles	23	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A06	First floor, Room R1003, floor covering beneath carpet	Brown vinyl tiles	23	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1004, floor covering beneath carpet	Grey vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	35 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1005, floor covering beneath carpet	Black vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	16 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1006, floor	Black vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	6 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building D



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per D-A02	First floor, Room R1007, floor	Black vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	5 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1009, floor covering beneath carpet	Black vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	56 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A04	First floor, Room R1009, floor covering beneath carpet	Red vinyl tiles	23	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
D-A08	First floor, Room R1010, floor covering beneath carpet	White vinyl tiles	24	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	55 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1010, floor covering beneath carpet	Black vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D-A02 (DP 2018)	First floor, Room R1012, ceiling	Fibre cement sheeting	25	Yes	Non- Friable	Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D-A02 (DP 2018)	First floor, Room R1013, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D-A02 (DP 2018)	First floor, Room R1014, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D-A02 (DP 2018)	First floor, Room R1015, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building D



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per D-A02	First floor, Room R1016, floor covering beneath carpet	Black vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	121 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A03	First floor, Room R1016, floor covering beneath carpet	Cream vinyl tiles	22	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
D-A11	External, soffit to east and west entries (awnings)	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile and Amosite Asbestos Detected	Good	10 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A11	External, eaves and verge lining to gable ends	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D-A05 (DP 2018)	External, Room R0026, eaves	Fibre cement sheeting	26	Yes	Non- Friable	Asbestos Detected	Good	20 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Subfloor, packers to joists	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Subfloor, ground surface	Fibre cement sheet debris	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
D-A07	First floor, Room R1004, floor covering beneath carpet	Green vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
D-A09	First floor, Room R1011, floor covering beneath carpet	Blue vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building D



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
D-A10	First floor, beneath vinyl tiles throughout	Black adhesive	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
D-AD01	Roof void	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-A01 (DP 2018)	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
As per C-A04	Roof void, sarking	Bituminous sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-A04 (DP 2018)	Subfloor, ground surface	Bituminous sheet debris	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
D-LD01	Roof void	Accumulated dust	-	Yes	-	660 mg/kg	Poor	350 m²	Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample D-LD01 (DP 2018)	Roof void	Accumulated dust	-	Yes	-	>0.5 mg/m²	Poor		Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection										23/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample D-P01 (DP 2018)	External, walls	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building D



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D-P02 (DP 2018)	External, walls	Maroon paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P03 (DP 2018)	External, windows	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P04 (DP 2018)	External, timber benches	Orange/blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P05 (DP 2018)	First Floor, walls	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P06 (DP 2018)	Ground floor, Room R0035, under vinyl tile underlay	Paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P07 (DP 2018)	Internal, windows to external walls	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P08 (DP 2018)	Internal, windows to internal walls	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P09 (DP 2018)	Internal, windows to internal walls	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P10 (DP 2018)	Internal, walls and skirting boards	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P11 (DP 2018)	Internal, walls	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P12 (DP 2018)	Internal, timber doors and frames	Blue/grey/cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building D



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D-P13 (DP 2018)	External, timber doors and frames	Dark blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D-P14 (DP 2018)	External, walls	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Ground floor, Room R0026, instant hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Ground floor, Room R0029, hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Ground floor, Room R0013, instant hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	External, split system air conditioning units	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building E



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
As per E-A01	Ground Floor, Room R0002, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A01	Ground Floor, Room R0003, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	Ground floor, Room R0004, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	13 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	Ground floor, Room R0005, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	88 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	Ground floor, Room R0007, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	22 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Ground floor, Room R0007, flue	Fibre cement pipe	-	No	Non- Friable	Assumed Asbestos	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G inspection. Material assumed to have been removed. No documentation was made available to JBS&G.
-	Ground floor, Room R0008, lab bench	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G inspection. Material assumed to have been removed. No documentation was made available to JBS&G.

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building E



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per D-A01	Ground floor, Room R0008, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	90 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
E-A01	Ground Floor, Room R0009, ceiling	Fibre cement sheeting	29	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Ground Floor, Room R0009, floor	Accumulated dust	-	Yes	Assumed Friable	Asbestos Assumed to be Present	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	Ground floor, Room R0010, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	19 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	Ground floor, Room R0012, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	12 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Ground floor, Rooms R0013, R0018 & R0019, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Assumed Asbestos	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified during JBS&G inspection. Ceilings comprised plasterboard material. No asbestos suspected to be present
As per D-A02	Ground floor, Room R0016, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	74 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A01	First Floor, Room R1001, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building E



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per E-A02	First floor, Room R1001, floor covering	Blue vinyl tiles	30	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1002, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	56 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1002, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1004, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	14 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1005, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	56 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1005, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1007, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	56 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1007, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1008, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	56 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building E



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per D-A01	First floor, Room R1008, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1010, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	20 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1010, floor covering beneath carpet	Grey vinyl tiles	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1014, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	23 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
E-A02	First floor, Room R1014, floor covering beneath carpet	Blue vinyl tiles	30	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1015, floor covering beneath carpet	Black vinyl tiles	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	75 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A02	First floor, Room R1015, floor covering beneath carpet	Blue vinyl tiles	30	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
E-A04	External, soffit to east and west entries (awnings, R0014, R0020, R0021)	Fibre cement sheeting	31	Yes	Non- Friable	Chrysotile and Amosite Asbestos Detected	Good	10 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A04	External, eaves to gable ends	Fibre cement sheeting	32	No	Non- Friable	Assumed Asbestos	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building E



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Subfloor, packers to joists	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Subfloor, ground surface	Fibre cement sheet debris	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
As per C-A04	Roof void, sarking	Bituminous sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
E-AD01	Roof void	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
E-A03	Subfloor void, ground surface	Fibre cement sheet debris	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
As per F-A05	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
F-A04	External, soffit to north entrance to R0016	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
E-LD01	Roof void	Accumulated dust	-	Yes	-	490 mg/kg	Poor	350 m ²	Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample ER004-LD01 (DP 2018)	Roof void	Accumulated dust	-	Yes	-	>0.5 mg/m²	Poor		Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building E



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Lead Based Paints											
Refer sample ER1007-P01 (DP 2018)	First floor, Room R1007, windows	White paint	33	Yes	-	>0.1% w/w	Good	20 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample ER1015-LP01 (DP 2018)	First floor, Room R1015, handrail	Cream paint	34	Yes	-	>0.1% w/w	Good	10 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample ER1010-LP01 (DP 2018)	First floor, Room R1010	Typical paint	-	Yes	-	>0.1% w/w	Good	100 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample ER1007-LP02 (DP 2018)	First floor, Room R1007, walls	Light blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building E



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample ER0005-LP01 (DP 2018)	Ground floor, Room R0005, door	Purple paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample B00E-LP02 (DP 2018)	External, walls	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample B00E-LP01 (DP 2018)	External, walls	Orange/red paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample ER0016-LP01 (DP 2018)	Ground floor, Room R0016, door	Paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Ground floor, Room R0007, instant hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Ground floor, Room R0010, instant hot water system	Insulation core	35	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Ground floor, Room R0012, instant hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	External, split system air conditioning units	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building F



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
As per E-A01	Ground Floor, Room R0003, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Ground Floor, Room R0003, floor	Accumulated dust	-	Yes	Assumed Friable	Asbestos Assumed to be Present	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	-
As per D-A01	Ground floor, Room R0010, floor covering beneath carpet	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	19 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A01	Ground Floor, Room R0012, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A01	Ground Floor, Room R0013, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	Ground floor, Room R0016, floor covering	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	6 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per F-A02	Ground floor, Room R0016, floor covering	Light blue vinyl tiles	37	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A01	First Floor, Room R1004, ceiling	Fibre cement sheeting	38	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building F



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	First Floor, Room R1004, floor	Accumulated dust	-	Yes	Assumed Friable	Asbestos Assumed to be Present	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	-
As per D-A01	First floor, Room R1006, floor covering beneath carpet	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	70 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1006, floor covering beneath carpet	Black vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1007, floor covering beneath carpet	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	70 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1007, floor covering beneath carpet	Black vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1008, floor covering beneath carpet	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	56 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1008, floor covering beneath carpet	Black vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A01	First Floor, Room R1010, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per E-A01	First Floor, Room R1011, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building F



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per D-A01	First floor, Room R1012, floor covering beneath carpet	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	95 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1012, floor covering beneath carpet	Black vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
F-A02	First floor, Room R1012, floor covering beneath carpet	Light blue vinyl tiles	37	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1016, floor covering	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	64 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1016, floor covering	Black vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1017, floor covering	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	12 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1017, floor covering	Black vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per F-A02	First floor, Room R1017, floor covering	Light blue vinyl tiles	37	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1018, floor covering	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	3 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building F



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per D-A02	First floor, Room R1018, floor covering	Black vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A01	First floor, Room R1019, floor covering	Grey vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	86 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per D-A02	First floor, Room R1019, floor covering	Black vinyl tiles	36	Yes	Non- Friable	Chrysotile Asbestos Detected	Good		Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
F-A03	External, soffit to east and west entries (awnings, R0017, R0018)	Fibre cement sheeting	39	Yes	Non- Friable	Chrysotile and Amosite Asbestos Detected	Good	10 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per F-A03	External, eaves to gable ends	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Subfloor, packers to joists	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed at the time of JBS&G inspection. Material assumed to still be present.
-	Subfloor, ground surface	Fibre cement sheet debris	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed at the time of JBS&G inspection. Material assumed to still be present.
-	Subfloor, ground surface	Vinyl tile debris	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed at the time of JBS&G inspection. Material assumed to still be present.

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building F



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
No Asbestos Detected (NAD)											
F-A01	First floor, Room R1018, wall to Room R1019	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
As per F-A01	First floor, Room R1019, wall to Room R1018	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
F-A05	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
As per C-A04	Roof void, sarking	Bituminous sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
F-AD01	Roof void	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
F-LD01	Roof void	Accumulated dust	40	Yes	-	1300 mg/kg	Poor	350 m ²	Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample FR-1014-LD01 (DP 2018)	Roof void	Accumulated dust	-	Yes	-	>0.5 mg/m ²	Poor		Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building F



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Lead Based Paints											
Refer sample FR1012-LP04 (DP 2018)	First floor, Room R1012, door	Green paint	-	Yes	-	>0.1% w/w	Good	2 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample FR1012-LP01 (DP 2018)	First floor, Room R1012, walls	Dark blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample FR1012-LP02 (DP 2018)	First floor, Room R1012, walls	Light blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample FR1012-LP03 (DP 2018)	First floor, Room R1012, windows	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample FR1012-LP05 (DP 2018)	First floor, Room R1012	Navy blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building F



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Synthetic Mineral Fibres (SMF)											
-	External, split system air conditioning units	Internal insulation	41	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
-	External, eaves to windows	Fibre cement sheeting	42	No	Non- Friable	Assumed Asbestos	Good	30 m ²	If material to be disturbed as part of refurbishment works, remove prior to prior to commencement of works. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a. OR Leave in-situ and monitor condition	23/1/2019 JBS&G SL	
Refer sample S2 (AECOM 2014)	Ground floor, Room R0003, cubicle partitions	Fibre cement sheeting	-	No	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a.	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer sample S2 (AECOM 2014)	Ground floor, Room R0004, cubicle partitions	Fibre cement sheeting	-	No	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a.	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer sample S2 (AECOM 2014)	Ground floor, Room R0011, cubicle partitions	Fibre cement sheeting	-	No	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a.	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample S2 (AECOM 2014)	Ground floor, Room R0012, cubicle partitions	Fibre cement sheeting	-	No	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer sample S2 (AECOM 2014)	First floor, Room R1001, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer sample S2 (AECOM 2014)	First floor, Room R1004, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer sample S2 (AECOM 2014)	First floor, Room R1005, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer sample S2 (AECOM 2014)	First floor, Room R1006, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample S3 (AECOM 2014)	First floor, Room R1007, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer sample S3 (AECOM 2014)	First floor, Room R1008, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer DP 2018	First floor, Room R1008, ceiling	Fibre cement sheeting	-	No	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G inspection. Material not suspected to be present
Refer sample S3 (AECOM 2014)	First floor, Room R1009, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer sample S3 (AECOM 2014)	First floor, Room R1016, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample S3 (AECOM 2014)	First floor, Room R1017, floor covering	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
Refer DP 2018	First floor, Room R1017, fume cupboard	Fibre cement sheet heat pad	-	No	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G inspection. Material not suspected to be present
Refer sample S5 (AECOM 2014)	Second floor, Room R2009, ceiling	Fibre cement sheeting	-	No	Non- Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material has been removed. No documentation was made available to JBS&G.
No Asbestos Detected (NAD)											
Refer sample H-A01 (DP 2018)	First floor, Room R1005, ceiling	Vermiculite	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample H-A02 (DP 2018)	First floor, Room R1007, ceiling	Vermiculite	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample S4 (AECOM 2014)	First floor, Room R1001, ceiling	Vermiculite	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample S4 (AECOM 2014)	First floor, Room R1004, ceiling	Vermiculite	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample S4 (AECOM 2014)	First floor, Room R1006, ceiling	Vermiculite	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample S4 (AECOM 2014)	First floor, Room R1016, ceiling	Vermiculite	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample S4 (AECOM 2014)	First floor, Room R1017, ceiling	Vermiculite	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample S4 (AECOM 2014)	Mezzanine, Room M2003, ceiling	Vermiculite	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections.
-	Internal, throughout, fire doors	Internal core	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
H-LD01	Mezzanine, Room M2008, floor	Accumulated dust	43	Yes	-	2700 mg/kg	Poor	350 m ²	Remove prior to refurbishment by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
H-LD02	Mezzanine, Room M2006, floor	Accumulated dust	-	Yes	-	250 mg/kg	Poor	350 m ²	Although lead concentration below the adopted site criteria, lead containing dust should be assumed to be present throughout the structure. Remove prior to refurbishment by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample H-LD01 (DP 2018)	First floor, Room R1019, ceiling cavity	Accumulated dust	-	Yes	-	>0.5 mg/m²	Poor	10 m ²	Remove prior to refurbishment by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample H-P05 (DP 2018)	Ground floor, Room R0004, door frame	Brown/cream paint	-	Yes	-	>0.1% w/w	Good	3 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample H-P06 (DP 2018)	Ground floor, Room R0003, metal gates	Paint	-	Yes	-	>0.1% w/w	Good	10 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample H-P01 (DP 2018)	First floor, windows	Grey paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample H-P02 (DP 2018)	First floor, walls	Green paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample H-P03 (DP 2018)	First floor, Room R1019, walls	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample H-P04 (DP 2018)	Ground floor, throughout, floor	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Roof void, sarking	Insulation	44	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Mezzanine, Rooms M2008, M2006 and M2007, air conditioning ducting	Insulation	45	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Ground floor, Room R0002, hot water systems (x2)	Insulation core	46	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	External, air conditioning units	Internal insulation	47	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building I



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
As per E-A01	Room R0007, ceiling	Fibre cement sheeting	48	Yes	Non- Friable	Assumed Asbestos	Good	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Room R0007, floor	Accumulated dust	-	Yes	Non- Friable	Asbestos Assumed to be Present	Poor	1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
I-A02	External, eaves and verge lining	Fibre cement sheeting	49	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	50 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
As per I-A02	External, R0017, soffit lining	Fibre cement sheeting	50	Yes	Non- Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	12 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample I-A02 (DP 2018)	Subfloor, packers to joists	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample I-A03 (DP 2018)	Subfloor, ground surface	Fibre cement sheet debris	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
I-A01	Room R0019, floor covering	Brown vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	Reference is made to asbestos containing sample S3 in AECOM 2014 and DP 2018, however, sample not collected from Building I. Material confirmed not to contain asbestos.

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building I



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per I-A01	Room R0005, floor covering beneath carpet	Brown vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
I-AD01	Roof void	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
I-A03	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
As per C-A04	Roof void, sarking	Bituminous sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
I-LD01	Roof void	Accumulated dust	-	Yes	-	660 mg/kg	Poor	350 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											
Refer sample I-P02 (DP 2018)	External, R0017, walls	cream paint	51	Yes	-	>0.1% w/w	Fair	100 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building I



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample I-P01 (DP 2018)	External, windows	White/pink paint	52	Yes	-	>0.1% w/w	Fair	40 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample I-P03 (DP 2018)	External, walls	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample I-P04 (DP 2018)	Room R0019, external timber doors and frames	Blue/purple paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Roof void, sarking	Insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Room R0015, instant hot water system	Insulation core	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	External, split system air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building J



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
H-A01	Internal and external face of windows	Putty seal	53	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	External, eaves to windows	Fibre cement sheeting	54	No	Non- Friable	Assumed Asbestos	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
-	Subfloor, packers to joists	Fibre cement sheeting	-	No	Non- Friable	Assumed Asbestos	Good	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
-	Room R0006, electrical cabinet	Resinous board	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
-	Roof void	Accumulated dust	-	Yes	-	Assumed to contain Elevated Levels of Lead	Poor	610 m ²	Roof void was inaccessible due to height safety hazards. Assumed to contain elevated levels of lead above the adopted site criteria based on the age of the structure. Remove prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building J



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Room R0005, instant hot water system	Insulation core	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	Room R0005, hot water system	Insulation core	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	External, split system air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building K



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Internal, wall cavities	Insulation	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. If material to be disturbed as part of refurbishment works, remove in accordance with NOHSC:2006 (1990) otherwise leave in-situ and monitor condition.	23/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. If material to be disturbed as part of refurbishment works, remove in accordance with NOHSC:2006 (1990) otherwise leave in-situ and monitor condition.	23/1/2019 JBS&G SL	
-	Air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present If material to be disturbed as part of refurbishment works, remove in accordance with NOHSC:2006 (1990) otherwise leave in-situ and monitor condition.	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building L



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Internal, wall cavities	Insulation	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. Remove in accordance with NOHSC:2006 (1990)	23/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. Remove in accordance with NOHSC:2006 (1990)	23/1/2019 JBS&G SL	
-	Air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present. Remove in accordance with NOHSC:2006 (1990)	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building M



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Internal, wall cavities	Insulation	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. If material to be disturbed as part of refurbishment works, remove in accordance with NOHSC:2006 (1990) otherwise leave in-situ and monitor condition.	23/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. If material to be disturbed as part of refurbishment works, remove in accordance with NOHSC:2006 (1990) otherwise leave in-situ and monitor condition.	23/1/2019 JBS&G SL	
-	Air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present If material to be disturbed as part of refurbishment works, remove in accordance with NOHSC:2006 (1990) otherwise leave in-situ and monitor condition.	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building N



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Internal, wall cavities	Insulation	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. Remove in accordance with NOHSC:2006 (1990)	23/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. Remove in accordance with NOHSC:2006 (1990)	23/1/2019 JBS&G SL	
-	Air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present. Remove in accordance with NOHSC:2006 (1990)	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building Z



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
No SMF materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building AA



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
AA-A02	External, eaves	Fibre cement sheeting	55	Yes	Non-Friable	Chrysotile, Amosite and Crocidolite Asbestos Detected	Good	20 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample AAA02 (DP 2018)	External, gable panels	Fibre cement sheeting	56	Yes	Non-Friable	Asbestos Detected	Good	10 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample AAA01 (DP 2018)	Room R0007, walls	Fibre cement sheeting	-	Yes	Non-Friable	Asbestos Detected	-	-	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not identified at the time of JBS&G inspection. Wall materials were found to comprise cement rendered brick. No fibre cement sheeting was observed.
No Asbestos Detected (NAD)											
AA-A01	Room R0007, floor	Green vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
-	Room R0006	Resinous board	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
Refer sample AALD01 (DP 2018)	Roof void	Accumulated dust	-	Yes	-	>0.5 mg/m²	Poor	610 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building AA



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample AALP01 (DP 2018)	Room R0004, walls	Purple paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample AALP02 (DP 2018)	Internal/external windows	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Room R0007, hot water system	Insulation core	57	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building BB



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
BB-A01	External, eaves	Fibre cement sheeting	-	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	15 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample BBA01 (DP 2018) & sample S11 (AECOM 2014)	Room R0001, walls	Fibre cement sheeting	-	Yes	Non-Friable	Asbestos Detected	Good	35 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample S11 (AECOM 2014)	Room R0001, ceiling	Fibre cement sheeting	-	Yes	Non-Friable	Asbestos Detected	Good	20 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Lead Containing Dust											
-	Roof void	Accumulated dust	-	Yes	-	Assumed to contain Elevated Levels of Lead	Poor	610 m ²	Roof void was inaccessible due to no access hatch. Assumed to contain elevated levels of lead above the adopted site criteria based on the age of the structure. Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Building BB



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Internal, wall cavities	Insulation	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. If material to be disturbed as part of refurbishment works, remove in accordance with NOHSC:2006 (1990) otherwise leave in-situ and monitor condition.	23/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. If material to be disturbed as part of refurbishment works, remove in accordance with NOHSC:2006 (1990) otherwise leave in-situ and monitor condition.	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
Refer sample D2-A03 (DP 2018)	D11656, window frames	Mastic seal	-	Yes	Non- Friable	Assumed Asbestos	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed to windows at time of JBS&G inspection
Refer sample D2-A03 (DP 2018)	D11711, window frames	Mastic seal	-	Yes	Non- Friable	Assumed Asbestos	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed to windows at time of JBS&G inspection
Refer sample D4-A01 (DP 2018)	D11930, landing to entrance	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	3 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D2-A03 (DP 2018)	D12214, window frames	Mastic seal	-	Yes	Non- Friable	Assumed Asbestos	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed to windows at time of JBS&G inspection
Refer sample D1-A01 (DP 2018)	D12306, stair treads to entrance	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	5 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D1-A03 (DP 2018)	D12306, window frames	Mastic seal	-	Yes	Non- Friable	Asbestos Detected	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D3-A01 (DP 2018)	D12310, stair treads and landing	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	8 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D3-A02 (DP 2018)	D12310, eaves	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	15 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D3-A02 (DP 2018)	D12310, ceiling	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	15 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D3-A03 (DP 2018)	D12310, window frames	Mastic seal	-	Yes	Non- Friable	Asbestos Detected	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D2-A01 (DP 2018)	D12329, stair treads to entrance	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	5 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D2-A03 (DP 2018)	D12329, window frames	Mastic seal	-	Yes	Non- Friable	Asbestos Detected	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D2-A03 (DP 2018)	D13940, window frames	Mastic seal	-	Yes	Non- Friable	Assumed Asbestos	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed to windows at time of JBS&G inspection
Refer sample D2-A03 (DP 2018)	D14056, window frames	Mastic seal	-	Yes	Non- Friable	Assumed Asbestos	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed to windows at time of JBS&G inspection
Refer sample D8-A01 (DP 2018)	D15165, stair treads and landing	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	8 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	
Refer sample D2-A03 (DP 2018)	D15506, window frames	Mastic seal	-	Yes	Non- Friable	Assumed Asbestos	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed to windows at time of JBS&G inspection
Refer sample D2-A03 (DP 2018)	D15800, window frames	Mastic seal	-	Yes	Non- Friable	Assumed Asbestos	Good	< 1m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	23/1/2019 JBS&G SL	Material not observed to windows at time of JBS&G inspection

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
No Asbestos Detected (NAD)											
Refer sample D4-A02 (DP 2018)	D11930, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D4-A03 (DP 2018)	D11930, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D1-A02 (DP 2018)	D12306, landing to entrance	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D1-A04 (DP 2018)	D12306, window frames	Cream mastic seal	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D2-A02 (DP 2018)	D12329, landing to entrance	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D2-A04 (DP 2018)	D12329, entrance walkway, floor	Green vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D8-A02 (DP 2018)	D15165, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D8-A03 (DP 2018)	D15165, R4-lobby, floor	Green vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D8-A04 (DP 2018)	D15165, internal, expansion joint	Bituminous mastic	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D8-A05 (DP 2018)	D15165, window frames	Mastic seal	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D8-A06 (DP 2018)	D15165, ceilings throughout	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	23/1/2019 JBS&G SL	
Lead Containing Dust											
Refer sample D4-LD01 (DP 2018)	D11930, roof void	Accumulated dust	-	Yes	-	>0.5 mg/m ²	Poor	40 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample D4-LD01 & D8-LD01 (DP 2018)	D12306, roof void	Accumulated dust	-	Yes	-	Assumed >0.5 mg/m ²	Poor	40 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample D4-LD01 & D8-LD01 (DP 2018)	D12310, roof void	Accumulated dust	-	Yes	-	Assumed >0.5 mg/m ²	Poor	40 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample D4-LD01 & D8-LD01 (DP 2018)	D12329, roof void	Accumulated dust	-	Yes	-	Assumed >0.5 mg/m ²	Poor	40 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Refer sample D8-LD01 (DP 2018)	D15165, roof void	Accumulated dust	-	Yes	-	>0.5 mg/m ²	Poor	40 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Lead Based Paints											
Refer sample D3-P01 (DP 2018)	D12310, external metal surfaces	Light brown paint	-	Yes	-	>0.1% w/w	Fair	50 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	23/1/2019 JBS&G SL	
Non-Lead Based Paints											

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	D11641, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D11656, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D4-P01 (DP 2018)	D11930, external metal surfaces	Light brown and green paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D4-P02 (DP 2018)	D11930, external corrugated walls	Light cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
-	D12172, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D12213, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D12214, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D1-P01 (DP 2018)	D12306, external walls and rails	Light brown/yellow/pink paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D2-P01 (DP 2018)	D12329, external rails	Light brown/yellow/pink paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D2-P02 (DP 2018)	D12329, external walls	Light cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
-	D12730, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	D13214, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D13350, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D13810, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D13940, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D14056, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D8-P01 (DP 2018)	D15165, external rails	Light brown/yellow/pink paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
Refer sample D8-P02 (DP 2018)	D15165, external door	Red paint	-	Yes	-	<0.1% w/w	-	-	No further action required	23/1/2019 JBS&G SL	
-	D15506, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D15800, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
-	D15949, throughout	General paints	-	Yes	-	XRF 0.00 mg/cm ²	-	-	No further action required	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
No PCB containing materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	D11641, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D11641, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D11641, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D11656, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D11656, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D11656, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D11930, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D11930, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D11930, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	D12172, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12172, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12172, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12213, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12213, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12213, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12214, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12214, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12214, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12306, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12306, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	D12306, external wall sandwich panels	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12310, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12310, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12310, external wall sandwich panels	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12329, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12329, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12329, external wall sandwich panels	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12730, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12730, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D12730, external wall sandwich panels	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13214, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	D13214, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13214, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13350, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13350, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13350, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13810, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13810, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13810, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13940, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13940, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D13940, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	D14056, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D14056, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D14056, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15165, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15165, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15165, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15165, hot water system to kitchenette	Insulation core	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15506, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15506, air conditioning unit	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15506, external wall sandwich panels	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15800, roof void	insulation	-	No	Non-Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	D15800, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15800, external wall sandwich panels	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15949, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15949, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	
-	D15949, external wall sandwich panels	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	23/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood High School
24 Centennial Avenue, Chatswood, NSW
General Site



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
No SMF materials were identified at the time of inspection									-	23/1/2019 JBS&G SL	

Appendix B Photographs

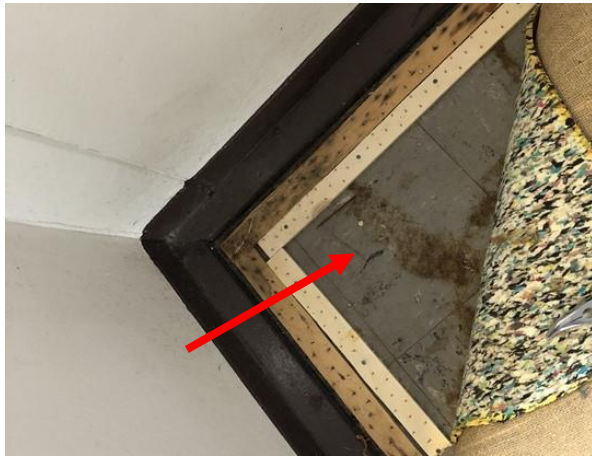


Photo 1: Building A, asbestos containing grey vinyl floor tiles to Room R1001



Photo 2: Building A, asbestos containing brown vinyl floor tiles to Room R1010



Photo 3: Building A, asbestos containing fibre cement sheeting to east and west entry soffits (R011 & R017)



Photo 4: Building A, suspected asbestos containing fibre cement sheet eaves and verge linings



Photo 5: Building A, asbestos containing accumulated dust to floor of Room R1007



Photo 6: Building A, lead containing accumulated dust throughout roof void

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 7: Building A, lead based cream paint to ground floor walls



Photo 8: Building A, lead based white paint to Room R1001 windows



Photo 9: Building A, suspected SMF insulation core to instant hot water system in Room R0014



Photo 10: Building A, suspected internal SMF insulation to air conditioning units



Photo 11: Building B, asbestos containing fibre cement sheeting to ceiling of Room R0008



Photo 12: Building B, asbestos containing grey vinyl floor tiles to Room R1004

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 13: Building B, asbestos containing blue vinyl floor tiles to Room R1010



Photo 14: Building B, lead based cream paint to first floor internal windows

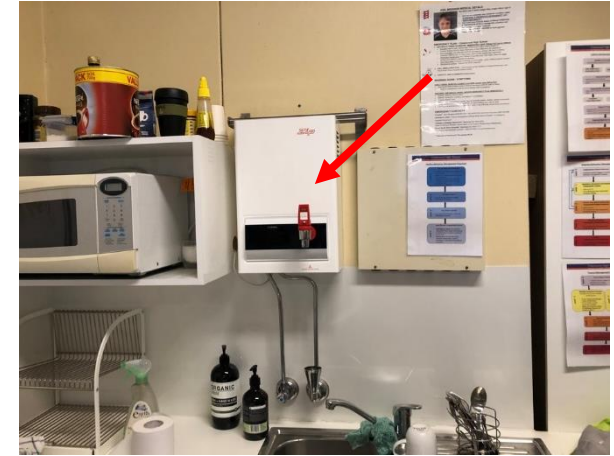


Photo 15: Building B, suspected SMF insulation core to instant hot water system in Room R0007



Photo 16: Building C, asbestos containing grey vinyl floor tiles to Room R1008



Photo 17: Building C, asbestos containing fibre cement sheeting to the ceiling and asbestos containing fibre cement flue pipe in Room R0017



Photo 18: Building C, asbestos containing fibre cement sheeting to east and west entry soffits (R0013 & R0016)

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 19: Building C, lead based orange/red paint to external walls



Photo 20: Building C, lead based white paint to external windows



Photo 21: Building C, suspected SMF insulation core to hot water system in Room R0017



Photo 22: Building D, asbestos containing grey, black and cream vinyl floor tiles to Room R1001



Photo 23: Building D, asbestos containing red, beige and brown vinyl floor tiles to Room R1002



Photo 24: Building D, asbestos containing white vinyl floor tiles to Room R1010

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 25: Building D, asbestos containing fibre cement sheeting to ceiling of Room R1012



Photo 26: Building D, asbestos containing fibre cement sheeting to the external eaves of Room R0026



Photo 27: Building E, asbestos containing grey vinyl floor tiles to Room R1004



Photo 28: Building E, asbestos containing black vinyl floor tiles to Room R0007



Photo 29: Building E, asbestos containing fibre cement sheeting to ceiling of Room R0009



Photo 30: Building E, asbestos containing blue vinyl floor tiles to Room R1001

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 31: Building E, asbestos containing fibre cement sheeting to east and west entry soffits (R0014, R0020 & R0021)



Photo 32: Building E, suspected asbestos containing fibre cement sheeting to eaves



Photo 33: Building E, lead based white paint to Room R1007 windows

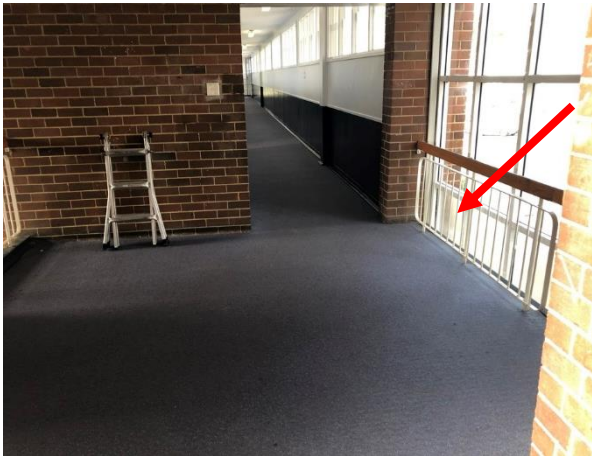


Photo 34: Building E, lead based cream paint to Room R1015 handrail



Photo 35: Building E, suspected SMF internal insulation core to instant hot water system in Room R0010



Photo 36: Building F, asbestos containing grey and black vinyl floor tiles to Room R1019

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 37: Building F, asbestos containing light blue vinyl floor tiles to Room R1012



Photo 38: Building C, asbestos containing fibre cement sheeting to ceiling of Room R1004



Photo 39: Building F, asbestos containing fibre cement sheeting to east and west entry soffits (R0017 & R0018)



Photo 40: Building F, lead containing accumulated dust within roof void



Photo 41: Building F, suspected SMF internal insulation to air conditioning units



Photo 42: Building H, suspected asbestos containing fibre cement sheeting to eaves above windows

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 43: Building H, lead containing accumulated dust to the floor of Room M2008



Photo 44: Building H, suspected SMF insulation to roof sarking



Photo 45: Building H, suspected SMF insulation to air conditioning ducting

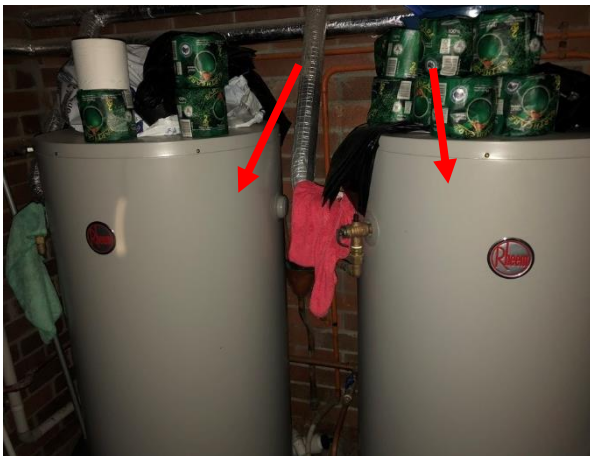


Photo 46: Building H, suspected SMF insulation core to hot water systems in Room R0002



Photo 47: Building H, suspected SMF internal insulation to air conditioning units



Photo 48: Building I, asbestos containing fibre cement sheet ceiling to Room R0007

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 49: Building I, asbestos containing fibre cement sheeting to eaves and verge linings



Photo 50: Building I, asbestos containing fibre cement sheeting to external soffit lining (R0017)



Photo 51: Building I, lead based cream paint to external walls



Photo 52: Building I, lead based white paint to external windows



Photo 53: Building J, asbestos containing putty to aluminium framed windows



Photo 54: Building J, suspected asbestos containing fibre cement sheeting to eaves above windows

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log



Photo 55: Building AA, asbestos containing fibre cement sheeting to eaves



Photo 56: Building AA, asbestos containing fibre cement sheeting to gable panels



Photo 57: Building AA, suspected SMF insulation core to hot water system in Room R0007

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Source:			
0	Original Issue -	SL	14/03/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood High School HBMS

Job No: 55579

File Name: R03 App B - Photo Log

Appendix C Laboratory Analysis Reports and Chain of Custody Documentation

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000



NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025-Testing
 The results of the tests, calibrations and/or
 measurements included in this document are traceable
 to Australian/national standards.

Attention: Stuart Lumsden
Report 637761-AID
Project Name CHATSWOOD HS
Project ID 55579
Received Date Jan 25, 2019
Date Reported Feb 04, 2019

Methodology:

Asbestos Fibre
 Identification

Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques.

NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.

Unknown Mineral
 Fibres

Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity.

NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.

Subsampling Soil
 Samples

The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed.

NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.

Bonded asbestos-
 containing material
 (ACM)

The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 4964 - 2004.

NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.

Limit of Reporting

The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w).

The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk).

NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.

Project Name CHATSWOOD HS
Project ID 55579
Date Sampled Jan 23, 2019
Report 637761-AID

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
A-A01	19-Ja23565	Jan 23, 2019	Approximate Sample 17g / 90x45x3mm Sample consisted of: Grey brittle vinyl-like sheet	Chrysotile asbestos detected.
A-A02	19-Ja23566	Jan 23, 2019	Approximate Sample 10g / 65x40x3mm Sample consisted of: (a) Red brittle vinyl-like sheet (b) Brown plaster-like material and adhesive	Chrysotile asbestos detected (a). Organic fibre detected.
A-A03	19-Ja23567	Jan 23, 2019	Approximate Sample 1g / 40x20x5mm Sample consisted of: Brown compressed fibrous board-like material and white paint	No asbestos detected. Organic fibre detected. No respirable fibres detected.
A-A04	19-Ja23568	Jan 23, 2019	Approximate Sample 6g / 35x25x3mm Sample consisted of: Green brittle vinyl-like sheet	No asbestos detected. Organic fibre detected. No respirable fibres detected.
A-A05	19-Ja23569	Jan 23, 2019	Approximate Sample 1g / 20x10x2mm Sample consisted of: Black soft mastic-like material	No asbestos detected. Organic fibre detected.
A-A06	19-Ja23570	Jan 23, 2019	Approximate Sample 6g / 90x40x2mm Sample consisted of: Black bitumen mixed fibrous sheet	No asbestos detected. Organic fibre detected. No respirable fibres detected.
A-A07	19-Ja23571	Jan 23, 2019	Approximate Sample 1g / 30x20x3mm Sample consisted of: (a) Grey compressed fibre cement material (b) White paint	Chrysotile and amosite asbestos detected (a).

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
A-A08	19-Ja23572	Jan 23, 2019	Approximate Sample 3g / 40x20x5mm Sample consisted of: Brown hard sealent-like material and white paint	No asbestos detected. No respirable fibres detected.
A-AD01	19-Ja23573	Jan 23, 2019	Approximate Sample 2g / 80x25x3mm Sample consisted of: Brown dust, debris, metallic wire and cement fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
A-AD02	19-Ja23574	Jan 23, 2019	Approximate Sample 2g / 60x20x4mm Sample consisted of: Brown dust, debris and cement fragments	Chrysotile, amosite and crocidolite asbestos detected in weathered fibre cement fragment. Approximate raw weight of asbestos containing material = 0.012g Total estimated asbestos content in the sample = 0.0036g* Total estimated asbestos concentration = 0.18% w/w* Organic fibre detected. No respirable fibres detected.
A-AD03	19-Ja23575	Jan 23, 2019	Approximate Sample 3g / 90x20x4mm Sample consisted of: Brown dust, debris and white plaster-like fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
B-A01	19-Ja23579	Jan 23, 2019	Approximate Sample 3g / 30x20x3mm Sample consisted of: Blue brittle vinyl-like sheet	Chrysotile asbestos detected. Organic fibre detected.
B-A02	19-Ja23580	Jan 23, 2019	Approximate Sample <1g / 10x10x2mm Sample consisted of: Dark grey fibrous sealent-like fragments	No asbestos detected. Organic fibre detected. No respirable fibres detected.
B-A03	19-Ja23581	Jan 23, 2019	Approximate Sample 12g / 50x30x4mm Sample consisted of: Grey compressed fibre cement material	Chrysotile, amosite and crocidolite asbestos detected.
B-A04	19-Ja23582	Jan 23, 2019	Approximate Sample 5g / 40x20x4mm Sample consisted of: (a) Grey compressed fibre cement material (b) White paint and brown dry adhesive	Chrysotile and amosite asbestos detected (a).
B-AD01	19-Ja23583	Jan 23, 2019	Approximate Sample 2g / 60x15x3mm Sample consisted of: Brown dust, debris, metallic wire, sealent-like material and white plaster-like fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
B-AD02	19-Ja23584	Jan 23, 2019	Approximate Sample 3g / 40x20x3mm Sample consisted of: Brown dust, debris and compressed fibre cement fragments and metal fragments	Chrysotile, amosite and crocidolite asbestos detected in fibre cement fragments. Approximate raw weight of asbestos containing material = 0.31g Total estimated asbestos content in the sample = 0.061g* Total estimated asbestos concentration = 2.0% w/w* Organic fibre detected. No respirable fibres detected.
C-A01	19-Ja23586	Jan 23, 2019	Approximate Sample 20g / 100x55x3mm Sample consisted of: (a) Grey flexible vinyl-like sheet (b) Brown adhesive	Chrysotile asbestos detected (a).
C-A02	19-Ja23587	Jan 23, 2019	Approximate Sample 4g / 50x30x3mm Sample consisted of: Yellow brittle vinyl-like sheet and brown fibrous material	No asbestos detected. Organic fibre detected. No respirable fibres detected.
C-A03	19-Ja23588	Jan 23, 2019	Approximate Sample <1g / 10x5x2mm Sample consisted of: Black soft mastic-like material	No asbestos detected.
C-A04	19-Ja23589	Jan 23, 2019	Approximate Sample 7g / 65x60x3mm Sample consisted of: Black bitumen-mixed fibrous material	No asbestos detected. Organic fibre detected. No respirable fibres detected.
C-A05	19-Ja23590	Jan 23, 2019	Approximate Sample 2g / 30x10x3mm Sample consisted of: White sealant-like fragments and brown fibrous material	No asbestos detected. Organic fibre detected. No respirable fibres detected.
C-AD01	19-Ja23591	Jan 23, 2019	Approximate Sample 7g / 95x45x4mm Sample consisted of: Brown dust, debris and cement fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
D-A01	19-Ja23593	Jan 23, 2019	Approximate Sample 7g / 55x30x3mm Sample consisted of: (a) Grey brittle vinyl-like sheet (b) Black soft adhesive and fibrous plaster-like material	Chrysotile asbestos detected (a). Organic fibre detected.
D-A02	19-Ja23594	Jan 23, 2019	Approximate Sample 18g / 100x40x3mm Sample consisted of: (a) Black brittle vinyl-like sheet (b) Black soft adhesive	Chrysotile asbestos detected (a).
D-A03	19-Ja23595	Jan 23, 2019	Approximate Sample 17g / 90x50x3mm Sample consisted of: (a) Grey brittle vinyl-like sheet (b) Black soft adhesive and plaster-like material	Chrysotile asbestos detected (a). Organic fibre detected.
D-A04	19-Ja23596	Jan 23, 2019	Approximate Sample 26g / 115x45x3mm Sample consisted of: (a) Red brittle vinyl-like sheet (b) Black adhesive	Chrysotile asbestos detected (a).

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
D-A05	19-Ja23597	Jan 23, 2019	Approximate Sample 14g / 110x50x3mm Sample consisted of: (a) Brown brittle vinyl-like sheet (b) Black adhesive	Chrysotile asbestos detected (a). Organic fibre detected.
D-A06	19-Ja23598	Jan 23, 2019	Approximate Sample 18g / 95x40x3mm Sample consisted of: (a) Dark grey brittle vinyl-like sheet (b) Black adhesive	Chrysotile asbestos detected (a). Organic fibre detected.
D-A07	19-Ja23599	Jan 23, 2019	Approximate Sample 9g / 100x20x3mm Sample consisted of: Green brittle vinyl-like sheet and black soft adhesive	No asbestos detected. Organic fibre detected. No respirable fibres detected.
D-A08	19-Ja23600	Jan 23, 2019	Approximate Sample 9g / 60x40x3mm Sample consisted of: (a) White brittle vinyl-like sheet (b) Black adhesive	Chrysotile asbestos detected (a).
D-A09	19-Ja23601	Jan 23, 2019	Approximate Sample 22g / 105x60x5mm Sample consisted of: Black brittle vinyl-like sheet	No asbestos detected. Organic fibre detected. No respirable fibres detected.
D-A10	19-Ja23602	Jan 23, 2019	Approximate Sample <1g / 20x5x3mm Sample consisted of: Black bitumen-mixed mastic material	No asbestos detected. Organic fibre detected.
D-A11	19-Ja23603	Jan 23, 2019	Approximate Sample 1g / 30x10x3mm Sample consisted of: (a) Grey compressed fibre cement material (b) White paint	Chrysotile and amosite asbestos detected (a).
D-AD01	19-Ja23604	Jan 23, 2019	Approximate Sample 1g / 50x30x2mm Sample consisted of: Brown dust, debris and white plaster-like fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
E-A01	19-Ja23606	Jan 23, 2019	Approximate Sample 6g / 50x25x4mm Sample consisted of: (a) Grey compressed fibre cement material (b) White paint	Chrysotile, amosite and crocidolite asbestos detected (a).
E-A02	19-Ja23607	Jan 23, 2019	Approximate Sample 29g / 90x55x3mm Sample consisted of: (a) Blue brittle vinyl-like sheet (B) Black bituminous material and fibrous like material	Chrysotile asbestos detected (a). Organic fibre detected.
E-A03	19-Ja23608	Jan 23, 2019	Approximate Sample 7g / 70x40x4mm Sample consisted of: Grey compressed fibre cement material	No asbestos detected. Organic fibre detected. No respirable fibres detected.
E-A04	19-Ja23609	Jan 23, 2019	Approximate Sample 1g / 20x10x3mm Sample consisted of: Grey compressed fibre cement material	Chrysotile and amosite asbestos detected.

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
E-AD01	19-Ja23610	Jan 23, 2019	Approximate Sample 2g / 60x20x3mm Sample consisted of: Brown dust, debris, black bitumen-mixed fibrous fragment and white plaster-like fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
F-A01	19-Ja23612	Jan 23, 2019	Approximate Sample 5g / 40x30x4mm Sample consisted of: Grey compressed fibre cement material and white paint	No asbestos detected. Organic fibre detected. No respirable fibres detected.
F-A02	19-Ja23613	Jan 23, 2019	Approximate Sample 22g / 85x45x3mm Sample consisted of: Blue brittle vinyl-like sheet	Chrysotile asbestos detected.
F-A03	19-Ja23614	Jan 23, 2019	Approximate Sample 1g / 30x20x3mm Sample consisted of: (a) Grey compressed fibre cement material (b) White paint and white plaster-like material	Chrysotile and amosite asbestos detected (a).
F-A04	19-Ja23615	Jan 23, 2019	Approximate Sample 4g / 70x20x4mm Sample consisted of: Grey compressed fibre cement material and white paint	No asbestos detected. Organic fibre detected. No respirable fibres detected.
F-A05	19-Ja23616	Jan 23, 2019	Approximate Sample 1g / 30x15x3mm Sample consisted of: Brown hard sealent-like fragment, white plaster-like material and white paint	No asbestos detected. No respirable fibres detected.
F-AD01	19-Ja23617	Jan 23, 2019	Approximate Sample 1g / 20x15x3mm Sample consisted of: Brown dust, debris and white plaster-like fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
I-A01	19-Ja23621	Jan 23, 2019	Approximate Sample 18g / 90x60x3mm Sample consisted of: Brown brittle vinyl-like material	No asbestos detected. Organic fibre detected. No respirable fibres detected.
I-A02	19-Ja23622	Jan 23, 2019	Approximate Sample 1g / 30x10x3mm Sample consisted of: (a) Grey compressed fibre cement material (b) White paint	Chrysotile, amosite and crocidolite asbestos detected (a).
I-A03	19-Ja23623	Jan 23, 2019	Approximate Sample 3g / 45x10x4mm Sample consisted of: Brown hard sealent-like fragment	No asbestos detected. No respirable fibres detected.
I-AD01	19-Ja23624	Jan 23, 2019	Approximate Sample 2g / 80x20x3mm Sample consisted of: Brown dust, debris, yellow vinyl-like fragments and white plaster-like fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
J-A01	19-Ja23626	Jan 23, 2019	Approximate Sample 1g / 20x10x3mm Sample consisted of: Brown hard sealent-like fragment	Chrysotile asbestos detected. Organic fibre detected.

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
AA-A01	19-Ja23627	Jan 23, 2019	Approximate Sample 17g / 90x50x3mm Sample consisted of: Light green brittle vinyl-like sheet and brown dry adhesive	No asbestos detected. Organic fibre detected. No respirable fibres detected.
AA-A02	19-Ja23628	Jan 23, 2019	Approximate Sample 1g / 30x15x3mm Sample consisted of: (a) Grey compressed fibre cement material (b) White paint	Chrysotile, amosite and crocidolite asbestos detected (a).
BB-A01	19-Ja23629	Jan 23, 2019	Approximate Sample 1g / 20x10x3mm Sample consisted of: (a) Grey compressed fibre cement material (b) White paint	Chrysotile asbestos detected (a). Organic fibre detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Jan 29, 2019	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Jan 29, 2019	Indefinite

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000
Project Name: CHATSWOOD HS
Project ID: 55579

Order No.:
Report #: 637761
Phone: 02 8245 0300
Fax:

Received: Jan 25, 2019 5:41 PM
Due: Feb 4, 2019
Priority: 5 Day
Contact Name: Stuart Lumsden

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
External Laboratory									
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	A-A01	Jan 23, 2019		Building Materials	S19-Ja23565		X		
2	A-A02	Jan 23, 2019		Building Materials	S19-Ja23566		X		
3	A-A03	Jan 23, 2019		Building Materials	S19-Ja23567		X		
4	A-A04	Jan 23, 2019		Building Materials	S19-Ja23568		X		
5	A-A05	Jan 23, 2019		Building Materials	S19-Ja23569		X		
6	A-A06	Jan 23, 2019		Building	S19-Ja23570		X		

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
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Project Name: CHATSWOOD HS
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Eurofins | mgt Analytical Services Manager : Nibha Vaidya

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
7	A-A07	Jan 23, 2019		Building Materials	S19-Ja23571		X		
8	A-A08	Jan 23, 2019		Building Materials	S19-Ja23572		X		
9	A-AD01	Jan 23, 2019		Dust	S19-Ja23573	X			
10	A-AD02	Jan 23, 2019		Dust	S19-Ja23574	X			
11	A-AD03	Jan 23, 2019		Dust	S19-Ja23575	X			
12	A-LD01	Jan 23, 2019		Dust	S19-Ja23576			X	
13	A-LP01	Jan 23, 2019		Paint	S19-Ja23577				X
14	A-LP02	Jan 23, 2019		Paint	S19-Ja23578				X
15	B-A01	Jan 23, 2019		Building Materials	S19-Ja23579		X		

Company Name: JBS & G Australia (NSW) P/L
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Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
16	B-A02	Jan 23, 2019		Building Materials	S19-Ja23580		X		
17	B-A03	Jan 23, 2019		Building Materials	S19-Ja23581		X		
18	B-A04	Jan 23, 2019		Building Materials	S19-Ja23582		X		
19	B-AD01	Jan 23, 2019		Dust	S19-Ja23583	X			
20	B-AD02	Jan 23, 2019		Dust	S19-Ja23584	X			
21	B-LD01	Jan 23, 2019		Dust	S19-Ja23585			X	
22	C-A01	Jan 23, 2019		Building Materials	S19-Ja23586		X		
23	C-A02	Jan 23, 2019		Building Materials	S19-Ja23587		X		
24	C-A03	Jan 23, 2019		Building	S19-Ja23588		X		

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
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NSW 2000
Project Name: CHATSWOOD HS
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Order No.:
Report #: 637761
Phone: 02 8245 0300
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Received: Jan 25, 2019 5:41 PM
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Contact Name: Stuart Lumsden

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
25	C-A04	Jan 23, 2019		Building Materials	S19-Ja23589		X		
26	C-A05	Jan 23, 2019		Building Materials	S19-Ja23590		X		
27	C-AD01	Jan 23, 2019		Dust	S19-Ja23591	X			
28	C-LD01	Jan 23, 2019		Dust	S19-Ja23592			X	
29	D-A01	Jan 23, 2019		Building Materials	S19-Ja23593		X		
30	D-A02	Jan 23, 2019		Building Materials	S19-Ja23594		X		
31	D-A03	Jan 23, 2019		Building Materials	S19-Ja23595		X		
32	D-A04	Jan 23, 2019		Building	S19-Ja23596		X		

Company Name: JBS & G Australia (NSW) P/L
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Received: Jan 25, 2019 5:41 PM
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Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
33	D-A05	Jan 23, 2019		Building Materials	S19-Ja23597		X		
34	D-A06	Jan 23, 2019		Building Materials	S19-Ja23598		X		
35	D-A07	Jan 23, 2019		Building Materials	S19-Ja23599		X		
36	D-A08	Jan 23, 2019		Building Materials	S19-Ja23600		X		
37	D-A09	Jan 23, 2019		Building Materials	S19-Ja23601		X		
38	D-A10	Jan 23, 2019		Building Materials	S19-Ja23602		X		
39	D-A11	Jan 23, 2019		Building	S19-Ja23603		X		

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
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NSW 2000
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Project ID: 55579

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Report #: 637761
Phone: 02 8245 0300
Fax:

Received: Jan 25, 2019 5:41 PM
Due: Feb 4, 2019
Priority: 5 Day
Contact Name: Stuart Lumsden

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
40	D-AD01	Jan 23, 2019		Dust	S19-Ja23604	X			
41	D-LD01	Jan 23, 2019		Dust	S19-Ja23605			X	
42	E-A01	Jan 23, 2019		Building Materials	S19-Ja23606		X		
43	E-A02	Jan 23, 2019		Building Materials	S19-Ja23607		X		
44	E-A03	Jan 23, 2019		Building Materials	S19-Ja23608		X		
45	E-A04	Jan 23, 2019		Building Materials	S19-Ja23609		X		
46	E-AD01	Jan 23, 2019		Dust	S19-Ja23610	X			
47	E-LD01	Jan 23, 2019		Dust	S19-Ja23611			X	

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
48	F-A01	Jan 23, 2019		Building Materials	S19-Ja23612		X		
49	F-A02	Jan 23, 2019		Building Materials	S19-Ja23613		X		
50	F-A03	Jan 23, 2019		Building Materials	S19-Ja23614		X		
51	F-A04	Jan 23, 2019		Building Materials	S19-Ja23615		X		
52	F-A05	Jan 23, 2019		Building Materials	S19-Ja23616		X		
53	F-AD01	Jan 23, 2019		Dust	S19-Ja23617	X			
54	F-LD01	Jan 23, 2019		Dust	S19-Ja23618			X	
55	H-LD01	Jan 23, 2019		Dust	S19-Ja23619			X	
56	H-LD02	Jan 23, 2019		Dust	S19-Ja23620			X	

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
57	I-A01	Jan 23, 2019		Building Materials	S19-Ja23621		X		
58	I-A02	Jan 23, 2019		Building Materials	S19-Ja23622		X		
59	I-A03	Jan 23, 2019		Building Materials	S19-Ja23623		X		
60	I-AD01	Jan 23, 2019		Dust	S19-Ja23624	X			
61	I-LD01	Jan 23, 2019		Dust	S19-Ja23625			X	
62	J-A01	Jan 23, 2019		Building Materials	S19-Ja23626		X		
63	AA-A01	Jan 23, 2019		Building Materials	S19-Ja23627		X		
64	AA-A02	Jan 23, 2019		Building Materials	S19-Ja23628		X		

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Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
65	BB-A01	Jan 23, 2019		Building Materials	S19-Ja23629		X		
Test Counts						10	44	9	2

Internal Quality Control Review and Glossary

General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w: weight for weight basis	grams per kilogram
Filter loading:	fibres/100 graticule areas
Reported Concentration:	fibres/mL
Flowrate:	L/min

Terms

Dry	Sample is dried by heating prior to analysis
LOR	Limit of Reporting
COC	Chain of Custody
SRA	Sample Receipt Advice
ISO	International Standards Organisation
AS	Australian Standards
WA DOH	Reference document for the NEPM. Government of Western Australia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia (2009), including supporting document Recommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)
NEPM	National Environment Protection (Assessment of Site Contamination) Measure, 2013 (as amended)
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded and/or sound condition. For the purposes of the NEPM, ACM is generally restricted to those materials that do not pass a 7mm x 7mm sieve.
AF	Asbestos Fines. Asbestos containing materials, including friable, weathered and bonded materials, able to pass a 7mm x 7mm sieve. Considered under the NEPM as equivalent to "non-bonded / friable".
FA	Fibrous Asbestos. Asbestos containing materials in a friable and/or severely weathered condition. For the purposes of the NEPM, FA is generally restricted to those materials that do not pass a 7mm x 7mm sieve.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess degree of friability.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres in the matrix.

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Sayed Abu Senior Analyst-Asbestos (NSW)

Authorised by:

Laxman Dias Senior Analyst-Asbestos (NSW)



Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000



NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

Attention: **Stuart Lumsden**

Report **637761-S**
Project name CHATSWOOD HS
Project ID 55579
Received Date Jan 25, 2019

Client Sample ID			A-LD01	A-LP01	A-LP02	B-LD01
Sample Matrix			Dust	Paint	Paint	Dust
Eurofins mgt Sample No.			S19-Ja23576	S19-Ja23577	S19-Ja23578	S19-Ja23585
Date Sampled			Jan 23, 2019	Jan 23, 2019	Jan 23, 2019	Jan 23, 2019
Test/Reference	LOR	Unit				
Heavy Metals						
Lead (% w/w)	0.01	%	-	0.10	0.12	-
Lead	5	mg/kg	940	-	-	450

Client Sample ID			C-LD01	D-LD01	E-LD01	F-LD01
Sample Matrix			Dust	Dust	Dust	Dust
Eurofins mgt Sample No.			S19-Ja23592	S19-Ja23605	S19-Ja23611	S19-Ja23618
Date Sampled			Jan 23, 2019	Jan 23, 2019	Jan 23, 2019	Jan 23, 2019
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	1100	660	490	1300

Client Sample ID			H-LD01	H-LD02	I-LD01
Sample Matrix			Dust	Dust	Dust
Eurofins mgt Sample No.			S19-Ja23619	S19-Ja23620	S19-Ja23625
Date Sampled			Jan 23, 2019	Jan 23, 2019	Jan 23, 2019
Test/Reference	LOR	Unit			
Heavy Metals					
Lead	5	mg/kg	2700	250	660

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Lead (% w/w)	Sydney	Feb 01, 2019	6 Month
- Method: E022.5 - ACID EXTRACTABLE METALS IN PAINT IN LIQUID AND POWDERED FORM BY ICP-MS ANALYSIS			
Heavy Metals	Sydney	Feb 01, 2019	180 Day
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			

Company Name: JBS & G Australia (NSW) P/L
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Project ID: 55579

Order No.:
Report #: 637761
Phone: 02 8245 0300
Fax:

Received: Jan 25, 2019 5:41 PM
Due: Feb 4, 2019
Priority: 5 Day
Contact Name: Stuart Lumsden

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
External Laboratory									
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	A-A01	Jan 23, 2019		Building Materials	S19-Ja23565		X		
2	A-A02	Jan 23, 2019		Building Materials	S19-Ja23566		X		
3	A-A03	Jan 23, 2019		Building Materials	S19-Ja23567		X		
4	A-A04	Jan 23, 2019		Building Materials	S19-Ja23568		X		
5	A-A05	Jan 23, 2019		Building Materials	S19-Ja23569		X		
6	A-A06	Jan 23, 2019		Building	S19-Ja23570		X		

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
7	A-A07	Jan 23, 2019		Building Materials	S19-Ja23571		X		
8	A-A08	Jan 23, 2019		Building Materials	S19-Ja23572		X		
9	A-AD01	Jan 23, 2019		Dust	S19-Ja23573	X			
10	A-AD02	Jan 23, 2019		Dust	S19-Ja23574	X			
11	A-AD03	Jan 23, 2019		Dust	S19-Ja23575	X			
12	A-LD01	Jan 23, 2019		Dust	S19-Ja23576			X	
13	A-LP01	Jan 23, 2019		Paint	S19-Ja23577				X
14	A-LP02	Jan 23, 2019		Paint	S19-Ja23578				X
15	B-A01	Jan 23, 2019		Building Materials	S19-Ja23579		X		

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Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
16	B-A02	Jan 23, 2019		Building Materials	S19-Ja23580		X		
17	B-A03	Jan 23, 2019		Building Materials	S19-Ja23581		X		
18	B-A04	Jan 23, 2019		Building Materials	S19-Ja23582		X		
19	B-AD01	Jan 23, 2019		Dust	S19-Ja23583	X			
20	B-AD02	Jan 23, 2019		Dust	S19-Ja23584	X			
21	B-LD01	Jan 23, 2019		Dust	S19-Ja23585			X	
22	C-A01	Jan 23, 2019		Building Materials	S19-Ja23586		X		
23	C-A02	Jan 23, 2019		Building Materials	S19-Ja23587		X		
24	C-A03	Jan 23, 2019		Building	S19-Ja23588		X		

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Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
25	C-A04	Jan 23, 2019		Building Materials	S19-Ja23589		X		
26	C-A05	Jan 23, 2019		Building Materials	S19-Ja23590		X		
27	C-AD01	Jan 23, 2019		Dust	S19-Ja23591	X			
28	C-LD01	Jan 23, 2019		Dust	S19-Ja23592			X	
29	D-A01	Jan 23, 2019		Building Materials	S19-Ja23593		X		
30	D-A02	Jan 23, 2019		Building Materials	S19-Ja23594		X		
31	D-A03	Jan 23, 2019		Building Materials	S19-Ja23595		X		
32	D-A04	Jan 23, 2019		Building	S19-Ja23596		X		

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Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
33	D-A05	Jan 23, 2019		Building Materials	S19-Ja23597		X		
34	D-A06	Jan 23, 2019		Building Materials	S19-Ja23598		X		
35	D-A07	Jan 23, 2019		Building Materials	S19-Ja23599		X		
36	D-A08	Jan 23, 2019		Building Materials	S19-Ja23600		X		
37	D-A09	Jan 23, 2019		Building Materials	S19-Ja23601		X		
38	D-A10	Jan 23, 2019		Building Materials	S19-Ja23602		X		
39	D-A11	Jan 23, 2019		Building	S19-Ja23603		X		

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Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
40	D-AD01	Jan 23, 2019		Dust	S19-Ja23604	X			
41	D-LD01	Jan 23, 2019		Dust	S19-Ja23605			X	
42	E-A01	Jan 23, 2019		Building Materials	S19-Ja23606		X		
43	E-A02	Jan 23, 2019		Building Materials	S19-Ja23607		X		
44	E-A03	Jan 23, 2019		Building Materials	S19-Ja23608		X		
45	E-A04	Jan 23, 2019		Building Materials	S19-Ja23609		X		
46	E-AD01	Jan 23, 2019		Dust	S19-Ja23610	X			
47	E-LD01	Jan 23, 2019		Dust	S19-Ja23611			X	

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
48	F-A01	Jan 23, 2019		Building Materials	S19-Ja23612		X		
49	F-A02	Jan 23, 2019		Building Materials	S19-Ja23613		X		
50	F-A03	Jan 23, 2019		Building Materials	S19-Ja23614		X		
51	F-A04	Jan 23, 2019		Building Materials	S19-Ja23615		X		
52	F-A05	Jan 23, 2019		Building Materials	S19-Ja23616		X		
53	F-AD01	Jan 23, 2019		Dust	S19-Ja23617	X			
54	F-LD01	Jan 23, 2019		Dust	S19-Ja23618			X	
55	H-LD01	Jan 23, 2019		Dust	S19-Ja23619			X	
56	H-LD02	Jan 23, 2019		Dust	S19-Ja23620			X	

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
57	I-A01	Jan 23, 2019		Building Materials	S19-Ja23621		X		
58	I-A02	Jan 23, 2019		Building Materials	S19-Ja23622		X		
59	I-A03	Jan 23, 2019		Building Materials	S19-Ja23623		X		
60	I-AD01	Jan 23, 2019		Dust	S19-Ja23624	X			
61	I-LD01	Jan 23, 2019		Dust	S19-Ja23625			X	
62	J-A01	Jan 23, 2019		Building Materials	S19-Ja23626		X		
63	AA-A01	Jan 23, 2019		Building Materials	S19-Ja23627		X		
64	AA-A02	Jan 23, 2019		Building Materials	S19-Ja23628		X		

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
65	BB-A01	Jan 23, 2019		Building Materials	S19-Ja23629		X		
Test Counts						10	44	9	2

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure, April 2011 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per kilogram

mg/L: milligrams per litre

ug/L: micrograms per litre

ppm: Parts per million

ppb: Parts per billion

%: Percentage

org/100mL: Organisms per 100 millilitres

NTU: Nephelometric Turbidity Units

MPN/100mL: Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery.
CRM	Certified Reference Material - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	US Department of Defense Quality Systems Manual Version 5.2 2018
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 50-150%-Phenols & PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.2 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test				Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank										
Heavy Metals										
Lead				mg/kg	< 5			5	Pass	
LCS - % Recovery										
Heavy Metals										
Lead				%	117			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1				Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery										
Heavy Metals										
Lead					Result 1					
Lead				%	120			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1				Acceptance Limits	Pass Limits	Qualifying Code
Duplicate										
Heavy Metals										
Lead					Result 1	Result 2	RPD			
Lead				mg/kg	520	540	4.0	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

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Glenn Jackson General Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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Appendix G2

Chatswood Public School





Pells Sullivan Meynink
Hazardous Building Materials Survey

Chatswood Public School
5 Centennial Avenue, Chatswood, NSW

19 February 2019
55579/120,670 (Rev 0)
JBS&G

Pells Sullivan Meynink
Hazardous Building Materials Survey

Chatswood Public School
5 Centennial Avenue, Chatswood, NSW

19 February 2019

55579/120,670 (Rev 0)

JBS&G

Table of Contents

Abbreviations.....	v
1. Introduction.....	1
1.1 Background.....	1
1.2 Objectives.....	1
1.3 Hazardous Materials Survey Limitations.....	2
1.4 Previous Hazardous Material and Asbestos Survey Works.....	3
1.4.1 Greencap (2014) – Asbestos Register.....	3
1.4.2 Douglas Partners (2018) – Hazardous Building Materials Register	3
2. Methodology	4
2.1 Hazardous Materials.....	4
2.1.1 Asbestos Containing Materials and Asbestos Containing Dust	4
2.1.2 Lead Based Paint	4
2.1.3 Lead Containing Dust	4
2.1.4 Polychlorinated Biphenyls.....	4
2.1.5 Synthetic Mineral Fibres	5
2.2 Inaccessible Areas	5
3. Site Description.....	6
3.1 Main Campus.....	7
3.1.1 Building A	7
3.1.2 Building B	8
3.1.3 Building C	9
3.1.4 Building D	10
3.1.5 Building H	11
3.1.6 Building I.....	11
3.1.7 Demountable Structures.....	12
3.1.8 General Site.....	12
3.2 Bush Campus	13
3.2.1 Demountable Structures.....	13
3.2.2 General Site.....	13
4. Results.....	14
4.1 Hazardous Materials.....	14
4.1.1 Asbestos Containing Materials	14
4.1.2 Asbestos Containing Dust	14
4.1.3 Lead Containing Dust	15
4.1.4 Lead Based Paints	15
4.1.5 Polychlorinated Biphenyls.....	15

4.1.6	Synthetic Mineral Fibres	15
4.2	Inaccessible Areas	15
5.	Conclusions and Recommendations.....	16
5.1	Hazardous Materials.....	16
5.1.1	Asbestos Containing Materials	16
5.1.2	Lead Containing Dust	16
5.1.3	Lead Based Paints	16
5.1.4	Synthetic Mineral Fibres	16
5.1.5	Polychlorinated Biphenyls.....	17
5.2	Inaccessible Areas	17
5.3	Unexpected Finds	17
6.	Limitations	18

List of Tables

Table A: Asbestos Results Summary Table	14
Table B: Asbestos Dust Results Summary Table	14
Table C: Lead Dust Results Summary Table	15
Table D: Lead Paint Results Summary Table	15

List of Figures

Figure 1	Site Location
Figure 2	Site Layout (Main Campus)
Figure 3	Site Layout (Bush Campus)
Figure 4	Floor Plans

Appendices

Appendix A	Hazardous Materials Register
Appendix B	Photographs
Appendix C	Laboratory Analysis Reports and Chain of Custody Documentation

Abbreviations

Term	Definition
AC	Asbestos Cement
ACM	Asbestos Containing Material
ACD	Asbestos Containing Dust
ANZECC	Australian and New Zealand Environment Conservation Council
AMP	Asbestos Management Plan
COC	Chain of Custody
EPA NSW	Environmental Protection Authority, New South Wales
FA	Friable Asbestos
HIL	Health Investigation Levels
HSL	Health Screening Levels
JBS&G	JBS&G Australia Pty Ltd
LAA	Licensed Asbestos Assessor
LCD	Lead Containing Dust
LOR	Limit of Reporting
LP	Lead Paint
NATA	National Association of Testing Authorities, Australia
NEPC	National Environmental Protection Council
NEPM	National Environmental Protection Measure
PCB	Polychlorinated Biphenyls
PPE	Personal Protective Equipment
SMF	Synthetic Mineral Fibre
SWA	Safe Work Australia
WHS (WH&S)	Workplace Health and Safety

1. Introduction

1.1 Background

JBS&G Australia Pty Ltd (JBS&G) was engaged by Pells Sullivan Meynink (PSM, the client) to undertake a pre-demolition hazardous building materials survey (HBMS) of the structures within Chatswood Public School located at 5 Centennial Avenue, Chatswood, NSW (the site). The site is legally identified as Lot 1 DP 812207 and Lot C DP 346499 as shown on **Figure 1** and **Figure 2A**, and is identified as the 'Main Campus'.

Chatswood Public School also occupies an area within the Chatswood High School grounds located at 24 Centennial Avenue, Chatswood, NSW and is identified as the 'Bush Campus', as shown on **Figure 2B**.

It is understood that Chatswood Public School, in conjunction with the nearby Chatswood High School, are proposed to be redeveloped to form the Chatswood Education Precinct. The site is proposed to be redeveloped to form a new site for the Chatswood High School as a senior campus (years 10-12) with the existing Chatswood Public School relocated to the current Chatswood High School site.

As part of these works, only three structures on the site are proposed to be retained and refurbished with all remaining structures to be demolished. The structures proposed to be demolished and retained are shown on **Figure 2A** and **Figure 2B**.

A number of previous hazardous building materials registers have been prepared for the site, with the most recent completed by Douglas Partners Pty Ltd in January 2018 (DP 2018¹) and Greencap Pty Ltd in 2014 (Greencap 2014²). Both DP 2018 and Greencap 2014 survey reports and registers were made available to JBS&G prior to the completion of these works and were utilised in the completion of this investigation.

The structures on the site were inspected for the following hazardous materials:

- Asbestos containing material (ACM);
- Asbestos containing dust (ACD);
- Lead based paint (LP);
- Lead containing dust (LCD)
- Synthetic mineral fibres (SMF); and
- Polychlorinated biphenyls (PCB).

1.2 Objectives

The objective of the HBMS was to determine the presence, quantity and condition of any hazardous materials within the buildings prior to proposed demolition and refurbishment works.

The HBMS and production of this report have been undertaken in accordance with the requirements of:

- *Work Health and Safety Act (2011);*
- *Work Health and Safety Regulation (2017);*

¹ *Hazardous Building Materials (HBM) Register, Chatswood Public School. 5 Centennial Ave, Chatswood, NSW 2067. Douglas Partners Pty Ltd, Ref: 86260.03.R.001.Rev0, issued 9 March 2018 (DP 2018).*

² *Asbestos Register, Chatswood Public School. Greencap Pty Ltd, issued 13 August 2014 (Greencap 2014)*

- *How to Safely Remove Asbestos Code of Practice*, Safe Work Australia, (2018) (SWA 2018a);
- *How to Manage and Control Asbestos in the Workplace Code of Practice*, Safe Work Australia (2018) (SWA 2018b);
- Australian Standard 4361.2 (1998) *Guide to Lead Paint Management - Part 2: Residential and Commercial Buildings* (AS4361.2-1998);
- Australian Standard 4361.2 (2017) *Guide to Hazardous Paint Management - Part 2: Lead Paint in Residential, Public and Commercial Buildings* (AS4361.2-2017);
- National Occupational Health and Safety Commission's *National Standard for Synthetic Mineral Fibres* [NOHSC:1004(1990)];
- National Occupational Health and Safety Commission's *National Code of Practice for the Safe Use of Synthetic Mineral Fibres*, [NOHSC:2006(1990)]; and
- Australian and New Zealand Environment Conservation Council's *Identification of PCB-containing Capacitors: An information booklet for Electricians and Electrical Contractors*, (ANZECC 1997).

1.3 Hazardous Materials Survey Limitations

Whilst all reasonable care has been taken by JBS&G during the completed HBMS, this report is limited due to:

- Only safely accessible areas of the site were surveyed.
- Access restrictions to operational areas such as energised services, gas, air conditioning/heating, pressurised vessels, chemical lines etc.
- Potential materials located in areas in which they could not reasonably be envisaged or anticipated.
- Limited access to internal building components e.g. set floor, walls, ceiling cavities etc., in which case only representative areas were inspected with the hand tools available to the JBS&G consultants for destructive investigation.
- Access restrictions to areas above 3 metres or any area deemed inaccessible without the use of specialised equipment.
- Service pits, confined spaces, voids, cavities within the building structures and internal areas of plant and equipment that could not be safely accessed.

It should be noted that buildings built between the 1930s - 1980s may have general occurrences of ACMs in areas which are not readily accessible with the hand tools available for the survey. These areas and materials include, inter alia:

- Fibre Cement Sheeting (FCS) used as packing to bearers and joists in the underfloor void or as boxing/shuttering to concrete formwork;
- FCS packing between window/door frames and timber studs; and
- Compressed FCS underneath tiled floor areas.

Whilst all care is taken by the consultants to uncover hidden materials, not all areas can be accessed within the allowable timeframe without more industrial (power) tools. As such, only minor destructive sampling techniques were employed to gain access. Consequently, without substantial demolition of the building, it is not possible to guarantee that every source of hazardous material has been detected. JBS&G recommends that areas inaccessible during the survey be inspected as the

demolition progresses. If suspected hazardous materials are observed, confirm the presence or absence of hazardous materials through laboratory testing.

In the event suspected hazardous materials are identified during strip out or demolition which are not included in this report, JBS&G recommends that works should cease and an assessment of the materials undertaken by a competent person for further appropriate recommendations.

No one section or part of a section of this report is to be taken as giving an overall idea of this report. Each section is to be read in conjunction with the whole of this report, including the appendices and attachments.

1.4 Previous Hazardous Material and Asbestos Survey Works

1.4.1 Greencap (2014) – Asbestos Register

An Asbestos Register re-inspection (Greencap 2014) was undertaken by Greencap in August 2014. The inspection included the re-assessment of previously identified ACM, sampling of previously unidentified ACM and details of the ACM locations. According to the report, the typical types of ACM found present within the buildings is summarised below:

- Various coloured vinyl floor tiles within internal areas;
- Fibre cement sheeting to internal ceilings, walls, and external eaves and soffits; and
- Electrical backing boards.

The information presented in Greencap 2014 was used in the preparation of this report.

1.4.2 Douglas Partners (2018) – Hazardous Building Materials Register

A Hazardous Building Materials Register (DP 2018) was undertaken by Douglas Partners in February 2018. The inspection included the re-assessment of previously identified ACM in Greencap 2014, sampling and identification of previously unidentified ACM and other hazardous materials, and details of the hazardous materials locations. According to the report, the typical types of ACM and hazardous materials found present within the buildings is summarised below:

- Various coloured vinyl floor tiles within internal areas;
- Fibre cement sheeting to internal ceilings, walls, and external eaves and soffits;
- Electrical backing boards;
- Lead based paints to internal and external surfaces;
- Lead containing dust within roof voids;
- SMF insulation in various forms within roof voids, and to boiler and air conditioning plant; and
- PCB containing capacitors to fluorescent light fittings.

The information presented in DP 2018 was used in the preparation of this report.

2. Methodology

2.1 Hazardous Materials

2.1.1 Asbestos Containing Materials and Asbestos Containing Dust

Representative samples of suspected ACMs and ACDs were collected where possible and placed into a zip-lock bags. These were subsequently delivered to a NATA accredited laboratory for analysis using polarised light microscopy in conjunction with dispersion staining techniques. Similar materials to those analysed or other materials known to contain asbestos from the consultant's experience (e.g. Electrical backing boards, corrugated asbestos cement roofs and older fibre cement sheeting) or materials not accessible may also be assumed to contain asbestos as per the relevant Code of Practice.

At the time of inspection, the following details were recorded:

- Location;
- Type of material;
- Accessibility;
- Condition;
- Friability; and
- Volume/dimensions.

2.1.2 Lead Based Paint

Australian Standard AS4361.2 (2017) *Guide to Hazardous Paint Management - Part 2: Lead Paint in Residential, Public and Commercial Buildings* defines lead paints as those in which the lead content (calculated as lead metal) is in excess of 0.1 percent by weight of the dry film. This can be determined by field spot tests, laboratory testing or the use of portable X-ray fluorescence (XRF) field tests. JBS&G utilises XRF technology as a screening tool for the identification of lead based paints in the field. Any detection of lead (i.e. greater than 0.0 mg/cm²) was adopted for the assessment of lead based paints for this investigation with representative samples collected where possible and delivered to a NATA accredited laboratory for analysis using inductively coupled plasma optical emission spectrometry (ICP-OES).

2.1.3 Lead Containing Dust

Representative samples of accumulated or settled dust were collected and delivered to a NATA accredited laboratory for analysis via ICP-OES. A conservative assessment criteria was adopted for this investigation given the potential for human exposure and the readily disturbed and uncontained nature of accumulated or settled dust.

Concentrations of lead within accumulated or settled dust were compared against the health investigation level (HIL) for residential sites with garden/accessible soil of 300 mg/kg as outlined in National Environment Protection Measure (NEPC 2013) guidelines.

2.1.4 Polychlorinated Biphenyls

Old fluorescent light fittings and other appliances which may contain capacitors containing PCB dielectric oil are identified by inspection and evaluation with the consultant's experience of similar light fittings and appliances. Alternatively, where possible and when it was safe to do so, a representative light fitting was opened to reveal the capacitor and the make and model recorded to be compared against the ANZECC (1997) list of PCB containing capacitors.

2.1.5 Synthetic Mineral Fibres

SMF containing materials were either sampled as per the asbestos methodology or assumed to contain SMF from the consultant's experience of similar materials.

2.2 Inaccessible Areas

As per SWA2018b, any areas not accessible must be recorded as such. Where hazardous materials are suspected to be contained within inaccessible areas, these shall be documented in this report and the associated Hazardous Materials Register (**Appendix A**).

3. Site Description

The HBMS was conducted between 23 and 25 January 2019 by Stuart Lumsden and Matt O'Brien, two of JBS&G's experienced hazardous materials surveyors and SafeWork NSW Licensed Asbestos Assessors (LAA 001140 and LAA 001093 respectively).

The site was bound by Centennial Avenue to the south, Pacific Highway to the east, and residential properties to the north and west. At the time of inspection, the site was still an operational primary school, however, the inspection was undertaken during school holidays and only minimal staff were present.

The Main Campus comprised 19 structures with a combination of demountable buildings, fixed buildings, shade structures and a covered walkway, as shown on **Figure 2A**, and identified as follows:

- Six fixed buildings:
 - Building A – the two-storey heritage structure on the eastern boundary;
 - Building B – the two-storey heritage structure in the western portion;
 - Building C – the single storey fire damaged structure in the western portion;
 - Building D – the modern two storey structure in the south-east corner;
 - Building H – the single storey structure in the southern portion; and
 - Building I – the modern two storey structure adjacent the western boundary.
- Nine demountable buildings:
 - D15613 & D10430 – located in the south-west corner;
 - D18307 & D19445 – located in the central portion
 - D12796 – located adjacent the southern boundary; and
 - D10979, D17407, D11415 & D10622 – located adjacent the carpark in the north-east corner.
- Four shade structures:
 - Shade Structure 1 (SS1) – large undercover area adjacent Building A;
 - Shade Structure 2 (SS2) – large undercover area adjacent Building H;
 - Shade Structure 3 (SS3) – small undercover area adjacent Building A; and
 - Covered Walkway 2 (CW2) – under cover walkway between Building B and Building I.

In addition to the abovementioned structures at the Main Campus, the Bush Campus also comprised 20 demountable buildings and a covered walkway, as shown on **Figure 2B**, and identified as follows:

- 20 demountable buildings:
 - D15255 – located adjacent driveway in the northern portion of the Bush Campus;
 - D17720, D13660, D13658, D12256, D13707, D11574, D11414, D14296 & D11597 – located along the western boundary of the Bush Campus;
 - D12480, D16633, D16101, D13935, D11041, D15870, D12287, D14175 & D18028 – located in the south-east portion of the Bush Campus; and
 - D11144 – located in the north-east portion of the Bush Campus.
- Covered Walkway 1 (CW1) – located through the central portion of the Bush Campus.

Photographs taken during the HBMS are presented in **Appendix B**. The type, location, friability, accessibility and approximate quantities of identified and suspected hazardous materials are provided in the Hazardous Materials Register in **Appendix A**.

A summary of the observations made during the HBMS is included in the following sections.

3.1 Main Campus

3.1.1 Building A

Building A was identified as the two-storey structure adjacent the eastern boundary. Building A was constructed in 1895 and is a heritage listed structure. It is understood that as part of the redevelopment project, the structure is proposed to be refurbished.

Building A comprised exposed brick external walls, a corrugated metal roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing green vinyl floor tiles (A-A01) were identified beneath carpet flooring in Room R0001.
- Asbestos containing beige vinyl floor tiles (A-A03) were identified beneath carpet flooring in Room R0010.
- Asbestos containing cream vinyl floor tiles (A-A10) were identified beneath carpet flooring in Room R0017.
- Asbestos containing mustard vinyl floor tiles (A-A05) were identified beneath carpet flooring in Room R0030. This material was also identified in Rooms R0031 and R0020.
- Asbestos containing fibre cement sheeting (A-A08) was identified to the cubicle partitions in Room R0023. This material was also identified to the cubicle partitions in Room R1005.
- Asbestos containing fibre cement sheeting (A-A11) was identified to the western wall of Room R0031. This material was also identified in the following locations:
 - Western wall of Room R1011;
 - Western wall of Room R1018;
 - Eastern wall of Room R1019;
 - External south-west gable end; and
 - External panel above Room R0034 door.
- Asbestos containing green vinyl tiles (A-A12) was identified beneath carpet flooring in Room R1002. This material was also identified in Rooms R1003, R1004, R1009, R1010, R1014, R1016, R1017, R1018, and R1019.
- Asbestos containing brown vinyl floor tiles (A-A13) were identified beneath carpet flooring in Room R1007. This material was also identified in Room R1008.
- Asbestos containing orange vinyl floor tiles (A-A14) were identified beneath carpet flooring in Room R1012.
- An asbestos containing fibre cement flue (A-A15) was identified within the roof void to the north-east chimney. This material is also assumed to be present to all 11 other chimneys within the building.
- Elevated levels of lead within accumulated dust above the adopted site criteria was identified within the building as follows:

- A lead concentration of 660 mg/kg within accumulated dust (A-LD01) was identified to the air conditioning loft in Room R0031;
- A lead concentration of 620 mg/kg within accumulated dust (A-LD02) was identified within the northern portion of the roof void;
- A lead concentration of 1000 mg/kg within accumulated dust (A-LD03) was identified within the southern portion of the roof void;
- A lead concentration of >0.5 mg/m² within accumulated dust (refer sample AR0031-LD01, DP 2018) was identified within the south end of the ceiling cavity in Room R0031. This material was assumed to still be present at the time of inspection; and
- A lead concentration of >0.5 mg/m² within accumulated dust (refer sample AR0031-LD02, DP 2018) was identified within the centre portion of the ceiling cavity in Room R0031. This material was assumed to still be present at the time of inspection.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- Suspected SMF insulation was identified in various forms throughout the structure as follows:
 - Suspected internal insulation to external and roof top air conditioning plant;
 - Internal insulation cores to instant hot water and hot water systems;
 - Insulation sarking and associated debris within the roof void; and
 - Insulation lagging to air conditioning ducting within the roof void.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Asbestos containing vinyl floor tiles were previously identified to Room R0012 and Room R0019 (refer sample S13) within Greencap 2014 under overlying carpet flooring. An inspection below the current carpet flooring revealed plywood type flooring in both rooms and no vinyl tiles were observed. These materials were unable to be located at the time of the JBS&G and DP inspections and are assumed to have been removed, however, no asbestos removal documentation was made available to JBS&G.

3.1.2 Building B

Building B was identified as the two-storey structure within the western portion of the site. Building B was constructed in 1928 and is a heritage listed structure. It is understood that as part of the redevelopment project, the structure is proposed to be refurbished.

Building B comprised exposed brick external walls, a slate tile roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing green vinyl floor tiles (B-A01) were identified beneath carpet flooring in Room R0014. This material was also identified in Room R0003.
- Asbestos containing fibre cement sheeting (B-A04) was identified to the cubicle partitions in Room R0004. This material was also identified to the cubicle partitions in Rooms R1011, R1003 and R1010.

- Asbestos containing olive vinyl floor tiles (B-A02) were identified beneath carpet flooring in Room R0006. This material was also identified in Rooms R0007, R1006, R1007, R1008 and R1009.
- Asbestos containing grey vinyl floor tiles (B-A06) were identified beneath carpet flooring in Room R1015.
- There was no access to the roof void due to high ceilings and height safety hazards associated with access through the manhole. Based on the age of the building, there is the potential for hazardous materials, such as lead containing dust, to be present within the roof void.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- Suspected SMF insulation was identified in various forms throughout the structure as follows:
 - Suspected internal insulation to external air conditioning plant;
 - Suspected insulation within the roof void; and
 - Suspected insulation lagging to air conditioning ducting within the roof void.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Asbestos containing vinyl floor tiles were previously identified to Rooms R0008, R0009, R0010 and R1005 (refer sample S19) within Greencap 2014 under overlying carpet flooring. An inspection below the current carpet flooring revealed timber floorboards in the four rooms and no vinyl tiles were observed. These materials were therefore unable to be located at the time of inspection and are assumed to have been removed, however, no removal documentation was made available to JBS&G.
- Additionally, suspected ACM sheeting was identified to the gable ends within DP 2018. This material was unable to be located as the gable ends of the structure were observed to comprise exposed brick walls and timber eaves. This material is therefore not assumed to be present.

3.1.3 Building C

Building C was identified as the single storey structure in the western portion, to the west of Building B. Building C was constructed in 1942 but was significantly damaged by a fire event in 2017. It is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building C comprised exposed brick external walls, a concrete tile roof, timber floors with various floor coverings, plaster ceilings, and cement rendered brick and plaster internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Asbestos containing fibre cement sheeting (C-A02) was identified to the eaves. This material was also identified to the ceiling (external soffit) of Room R0001.
- Asbestos containing bituminous pad (refer sample CR0004-A-01, DP 2018) was identified beneath the sink in Room R0004.
- Asbestos containing fibre cement sheeting (refer sample CR0014-A01, DP 2018) was identified lining the electrical panel in Room R0014. This material was also identified to the electrical panel lining in Rooms R0011 and R0015.

- Elevated levels of lead within accumulated dust above and below the adopted site criteria was identified within the building as follows:
 - A lead concentration of 75 mg/kg within accumulated dust (C-LD01) was identified to the floor of Room R0006;
 - A lead concentration of 440 mg/kg within accumulated dust (C-LD02) was identified to the floor of Room R0015;
 - A lead concentration of >0.5 mg/m² within accumulated dust (refer sample B00C-LD01, DP 2018) was identified to the floor of Room R0011. This material was assumed to still be present at the time of inspection; and
 - A lead concentration of >0.5 mg/m² within accumulated dust (refer sample B00C-LD02, DP 2018) was identified to the floor of Room R0008. This material was assumed to still be present at the time of inspection.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- Suspected SMF insulation was identified in various forms throughout the structure as follows:
 - Insulation batts throughout the roof void;
 - Insulation batts to internal wall cavities;
 - Insulation core to hot water system in Room R0010;
 - Suspected internal insulation to external air conditioning plant; and
 - Insulation debris to floor surfaces throughout.
- Fluorescent lights were identified throughout the internal and external areas and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

3.1.4 Building D

Building D was identified as the two-storey structure in the south-east corner of the site. Building D was constructed in 2012 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building D comprised fibre cement and corrugated metal external walls, a corrugated metal roof, timber floors with various floor coverings, plaster ceilings, and fibre cement and corrugated metal internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Due to the age of the structure, hazardous materials other than SMF are not suspected to be present within the structure.
- Suspected SMF insulation was identified in various forms throughout the structure as follows:
 - Insulation batts throughout the roof void;
 - Insulation batts to internal wall cavities; and
 - Suspected internal insulation to external air conditioning plant.

3.1.5 Building H

Building H was identified as the single storey structure in the southern portion of the site. Building H was constructed in 1968 and it is understood that as part of the redevelopment project, the structure is proposed to be demolished.

Building H comprised exposed brick external walls, a concrete tile roof, timber and concrete floors with various floor coverings, plaster and fibre cement ceilings, and exposed and cement rendered brick internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Suspected asbestos containing putty was identified to the aluminium framed windows. A sample was unable to be collected without damaging the window frame or breaking the window glass. These materials should be assumed to contain asbestos until representative samples can be collected for laboratory testing and confirmation.
- Non-asbestos containing fibre cement sheeting (H-A01) was identified to the eaves and awning soffits.
- Elevated levels of lead within accumulated dust above the adopted site criteria (refer sample HR0016-LD01, DP 2018) was identified within ceiling cavity of Room R0016. This material was assumed to still be present at the time of inspection.
- An inspection of the paint systems throughout the structure were observed to be consistent with the identified lead based and non-lead based paints detailed in DP 2018.
- Suspected SMF insulation was identified in various forms throughout the structure as follows:
 - Insulation batts throughout the roof void; and
 - Insulation core to hot water systems in Room R0015 and R0016.
- Fluorescent lights were identified throughout the internal and external areas. A detailed inspection was not possible due to the supply of live electricity, however, the fluorescent lights were of modern age and appearance and are not suspected to contain PCB containing capacitors.

3.1.6 Building I

Building I was identified as the two-storey structure adjacent the western boundary. Building I was constructed in 2011 and it is understood that as part of the redevelopment project, the structure is proposed to be refurbished.

Building I comprised exposed brick and corrugated metal external walls, a corrugated metal roof, concrete floors with various floor coverings, plaster ceilings and internal walls.

A summary of the significant observations made during the HBMS is as follows:

- Due to the age of the structure, hazardous materials other than SMF are not suspected to be present within the structure.
- Suspected SMF insulation was identified in various forms throughout the structure as follows:
 - Insulation batts throughout the roof void;
 - Insulation batts to internal wall cavities; and
 - Suspected internal insulation to external air conditioning plant.

3.1.7 Demountable Structures

At the time of inspection, nine demountable structures were located on the site and generally comprised metal sandwich panel walls, fibre cement ceilings, timber floors, and corrugated metal roof.

It is understood that as part of the redevelopment project, the demountable structures are proposed to either be demolished or removed from site for use in other schools.

A summary of the significant observations made during the HBMS is as follows:

- No asbestos containing materials were identified within the demountable structures. Representative samples of suspected ACM were collected in DP 2018 and were all found not to contain asbestos. The samples were collected from the following locations:
 - Fibre cement sheeting to eaves;
 - Fibre cement sheeting to ceilings; and
 - Fibre cement sheeting to stair landings.
- Electrical panels were identified within the demountable structures but the internal components are not suspected to contain asbestos.
- Representative samples of accumulated dust were collected from the roof voids in DP 2018. All representative samples were found to contain concentrations of lead below the adopted site criteria.
- An inspection of the paint systems throughout the demountable structures were observed to be consistent with the identified non-lead based paints detailed in DP 2018.
- Suspected SMF insulation was identified in various forms throughout the demountable structures as follows:
 - Insulation batts throughout the roof voids; and
 - Suspected internal insulation to the air conditioning units.
- Fluorescent lights were identified throughout the internal and external areas. A detailed inspection was not possible due to the supply of live electricity, however, the fluorescent lights were of modern age and appearance and are not suspected to contain PCB containing capacitors.

3.1.8 General Site

The shade structures and covered walkway on the Main Campus comprised corrugated metal roof sheeting, and metal framework.

A summary of the significant observations made during the HBMS is as follows:

- Lead based beige paint (refer sample SS-LP01, DP2018) was identified to the metal framework of SS1. This material was also identified to the metal framework of SS3.
- SS2 was constructed in 2010 and, therefore, is not suspected to contain lead based paints.
- Suspected SMF in the form of fibreglass roof sheeting was identified to SS1, SS2 and CW2.
- Suspected SMF insulation was identified to CW2.

3.2 Bush Campus

3.2.1 Demountable Structures

At the time of inspection, 20 demountable structures were located on the site and generally comprised metal sandwich panel and fibre cement walls, fibre cement ceilings, wooden floors, and corrugated metal roof.

It is understood that as part of the redevelopment project, the demountable structures are proposed to either be demolished or removed from site for use in other schools.

A summary of the significant observations made during the HBMS is as follows:

- No asbestos containing materials were identified within the demountable structures. Representative samples of suspected ACM were collected in DP 2018 and were all found not to contain asbestos. The samples were collected from the following locations:
 - Fibre cement sheeting to eaves;
 - Fibre cement sheeting to ceilings; and
 - Fibre cement sheeting to toilet partitions.
- Electrical panels were identified within the demountable structures but the internal components are not suspected to contain asbestos.
- Representative samples of accumulated dust were collected from the roof voids in DP 2018. One sample was found contain a lead concentration above the adopted site criteria (refer sample D11144-LD01, DP2018) collected from the roof void of D11144. This material was assumed to still be present at the time of inspection.

All other representative samples contained lead concentrations below the adopted site criteria.
- An inspection of the paint systems throughout the demountable structures were observed to be consistent with the identified non-lead based paints detailed in DP 2018.
- Suspected SMF insulation was identified in various forms throughout the demountable structures as follows:
 - Insulation batts throughout the roof voids;
 - Insulation core to hot water systems; and
 - Suspected internal insulation to the air conditioning units.
- Fluorescent lights were identified throughout the internal and external areas. A detailed inspection was not possible due to the supply of live electricity, however, the fluorescent lights were of modern age and appearance and are not suspected to contain PCB containing capacitors.

3.2.2 General Site

A covered walkway (CW1) was located through the central portion of the Bush Campus and comprised metal framework and corrugated metal roof sheeting. Suspected fibreglass roof sheeting was also identified to CW1 and are suspected to comprise SMF.

Fragments of asbestos containing fibre cement sheeting (refer sample BC-EXT-A01, DP 2018) was identified to the subfloor area adjacent D11144. This material was unable to be located at the time of inspection but is assumed to still be present.

No other hazardous materials were identified at the time of inspection.

4. Results

4.1 Hazardous Materials

All identified hazardous materials are recorded in the Hazardous Materials Register in **Appendix A** with relevant photographs in **Appendix B**. NATA accredited laboratory analysis reports and chain of custody are provided in **Appendix C**.

4.1.1 Asbestos Containing Materials

ACM were identified by testing at an accredited NATA laboratory and/or visual inspection based on the experience of the hazardous materials surveyor. The representative samples that were found to contain asbestos via laboratory testing are summarised in **Table A** below.

Table A: Asbestos Results Summary Table

Sample ID	Lab ID	Structure/Location	Material	Results	Friable or Non-Friable
A-A01	19-Ja23829	Building A	Green vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A03	19-Ja23831	Building A	Beige vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A05	19-Ja23833	Building A	Mustard vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A08	19-Ja23836	Building A	Fibre cement cubicle partitions	Chrysotile Asbestos	Non-Friable
A-A10	19-Ja23838	Building A	Cream vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A11	19-Ja23839	Building A	Fibre cement wall sheeting	Chrysotile Asbestos	Non-Friable
A-A12	19-Ja23840	Building A	Green vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A13	19-Ja23841	Building A	Brown vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A14	19-Ja23842	Building A	Orange vinyl floor tiles	Chrysotile Asbestos	Non-Friable
A-A15	19-Ja23843	Building A	Fibre cement flue	Chrysotile Asbestos	Non-Friable
B-A01	19-Ja23852	Building B	Green vinyl floor tiles	Chrysotile Asbestos	Non-Friable
B-A02	19-Ja23853	Building B	Olive vinyl floor tiles	Chrysotile Asbestos	Non-Friable
B-A04	19-Ja23855	Building B	Fibre cement cubicle partitions	Chrysotile Asbestos	Non-Friable
B-A06	19-Ja23857	Building B	Grey vinyl floor tiles	Chrysotile Asbestos	Non-Friable
C-A02	19-Ja23861	Building C	Fibre cement sheet eaves	Chrysotile and Amosite Asbestos	Non-Friable

4.1.2 Asbestos Containing Dust

Representative dust samples were collected throughout the site. A summary of the results of the laboratory testing for asbestos are provided in **Table B** below.

Table B: Asbestos Dust Results Summary Table

Sample ID	Lab ID	Structure/Location	Material	Results	Friable or Non-Friable
A-AD01	19-Ja23845	Building A, air conditioning loft	Accumulated dust	No Asbestos Detected	-
A-AD02	19-Ja23846	Building A, roof void	Accumulated dust	No Asbestos Detected	-
A-AD03	19-Ja23847	Building A, roof void	Accumulated dust	No Asbestos Detected	-
C-AD01	19-Ja23862	Building C, floor	Accumulated dust	No Asbestos Detected	-
C-AD02	19-Ja23863	Building C, floor	Accumulated dust	No Asbestos Detected	-

4.1.3 Lead Containing Dust

Representative dust samples were collected throughout the site. A summary of the results of the laboratory testing for lead are provided in **Table C** below.

Table C: Lead Dust Results Summary Table

Sample ID	Lab ID	Structure/Location	Material	Results	Condition
A-LD01	19-Ja23845	Building A, air conditioning loft	Accumulated dust	660 mg/kg	Poor
A-LD02	19-Ja23846	Building A, roof void	Accumulated dust	620 mg/kg	Poor
A-LD03	19-Ja23847	Building A, roof void	Accumulated dust	1000 mg/kg	Poor
C-LD01	19-Ja23862	Building C, floor	Accumulated dust	75 mg/kg	Poor
C-LD02	19-Ja23863	Building C, floor	Accumulated dust	440 mg/kg	Poor

4.1.4 Lead Based Paints

Lead and non-lead based paints were observed to be consisted with the paint systems detailed in DP2018. One representative paint sample was collected for laboratory testing. A summary of the results of laboratory testing for lead are provided in **Table D** below.

Table D: Lead Paint Results Summary Table

Sample ID	Lab ID	Structure/Location	Material	Results	Condition
A-LP01	19-Ja23845	Building A	White paint to internal window	Non-Lead Based Paint (0.01% w/w)	N/A

4.1.5 Polychlorinated Biphenyls

Detailed inspection of capacitors in light fittings could not be undertaken due to the electricity supply to the fittings being active. Therefore, PCB containing capacitors are assumed to be present within the older light fittings throughout the site.

4.1.6 Synthetic Mineral Fibres

Suspected SMF materials were identified in various forms throughout the site. Full details of all identified SMF materials are provided in the Hazardous Materials Register (**Appendix A**). The typical forms of SMF identified are summarised below:

- Internal insulation cores to hot water systems;
- Internal insulation to air conditioning plant;
- Insulation batts within roof voids;
- Insulation lagging to air conditioning ducting; and
- Insulation to roof sarking.

4.2 Inaccessible Areas

There is potential for additional hazardous materials to be contained within inaccessible areas of the site. The Building B roof void was unable to be accessed due to the height of the ceilings and the associated height safety hazards.

5. Conclusions and Recommendations

Based on the scope of this assessment and with reference to the limitations included in **Section 6**, the following conclusions are made with respect to the Hazardous Building Materials Survey completed.

5.1 Hazardous Materials

Identified and suspected hazardous materials were observed throughout the site as a result of visual identification and laboratory analysis.

The following recommendations are made for the removal of the identified hazardous materials to potentially mitigate harmful effects as a result of the proposed works program. The person with management or control of the site, must ensure so far as is reasonably practicable that the identified hazardous materials are removed prior to the commencement of demolition and refurbishment works.

The identified and suspected hazardous materials are presented in the Hazardous Materials Register included as **Appendix A**.

5.1.1 Asbestos Containing Materials

Non-friable ACM has been identified at the site. Prior to the demolition and/or refurbishment of the structures it is recommended that the following work is undertaken:

- A Class A or B licensed asbestos removalist shall be engaged to remove all asbestos containing materials as identified in the Hazardous Materials Register (**Appendix A**). Removal and disposal of non-friable asbestos materials shall be undertaken in accordance with the *Work Health and Safety Act (2011)*, *Work Health and Safety Regulation (2017)* and *SWA2018a*.
- While not mandatory during the removal of non-friable ACM, it is considered best practice and recommended that asbestos air monitoring is undertaken during any non-friable asbestos removal works.
- Following removal works, a clearance inspection shall be completed by a competent person or licensed asbestos assessor to ensure that the asbestos materials identified at the site have been removed to a satisfactory standard. Following the completion of the clearance inspection, a clearance certificate shall be issued by the competent person or LAA to confirm that the ACM has been successfully removed and that the site is suitable for planned demolition works to commence.

5.1.2 Lead Containing Dust

Elevated levels of lead in dust above the adopted site criteria were identified at the site. A suitably experienced hazardous materials removal contractor should be engaged to remove the lead containing dust prior to the commencement of demolition and refurbishment works.

5.1.3 Lead Based Paints

Lead based paints identified in Hazardous Materials Register (**Appendix A**) should be managed in accordance with the AS4361.2-2017. If peeling or deteriorated they should be removed under controlled conditions by an experienced contractor prior to demolition and refurbishment. Stable lead based paints adhered to building fabric can be removed as general solid waste provided care is taken to minimise any potential for paint flakes to be dispersed onto ground surfaces.

5.1.4 Synthetic Mineral Fibres

The synthetic mineral fibres encountered during this inspection were generally contained and deemed to be low risk. These SMF materials can be removed with the building and demolition waste

with care taken not to generate fibres. Appropriate PPE is recommended including the use of P2 respirator as minimum and appropriate removal methodology as outlined in [NOHSC: 1004(1990)] and [NOHSC: 2006(1990)].

5.1.5 Polychlorinated Biphenyls

All old fluorescent light fittings throughout the site are to be treated as containing PCB capacitors unless further investigation confirms otherwise. These light fittings should be removed and disposed of as Scheduled Waste or re-inspected once isolated from the electrical system to confirm the presence or absence of PCB capacitors.

5.2 Inaccessible Areas

Areas inaccessible during the current HBMS should be inspected by a suitably qualified competent person prior to any works commencing. Suspected ACM should be sampled by a suitably qualified competent person prior to any works commencing.

5.3 Unexpected Finds

Any materials deemed to be consistent with those detailed in the Hazardous Materials Register that have not been previously identified should be assumed to have the same content and be treated accordingly.

Should any additional suspected hazardous materials be observed during or prior to demolition works, works should cease until a suitably qualified occupational hygienist can assess the suspected hazardous material and provide appropriate recommendations for management and/or removal.

6. Limitations

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only, and has been based in part on information obtained from the client and other parties.

The advice herein relates only to this project and all results conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose.

JBS&G accepts no liability for use or interpretation by any person or body other than the client who commissioned the works. This report should not be reproduced without prior approval by the client, or amended in any way without prior approval by JBS&G, and should not be relied upon by other parties, who should make their own enquires.

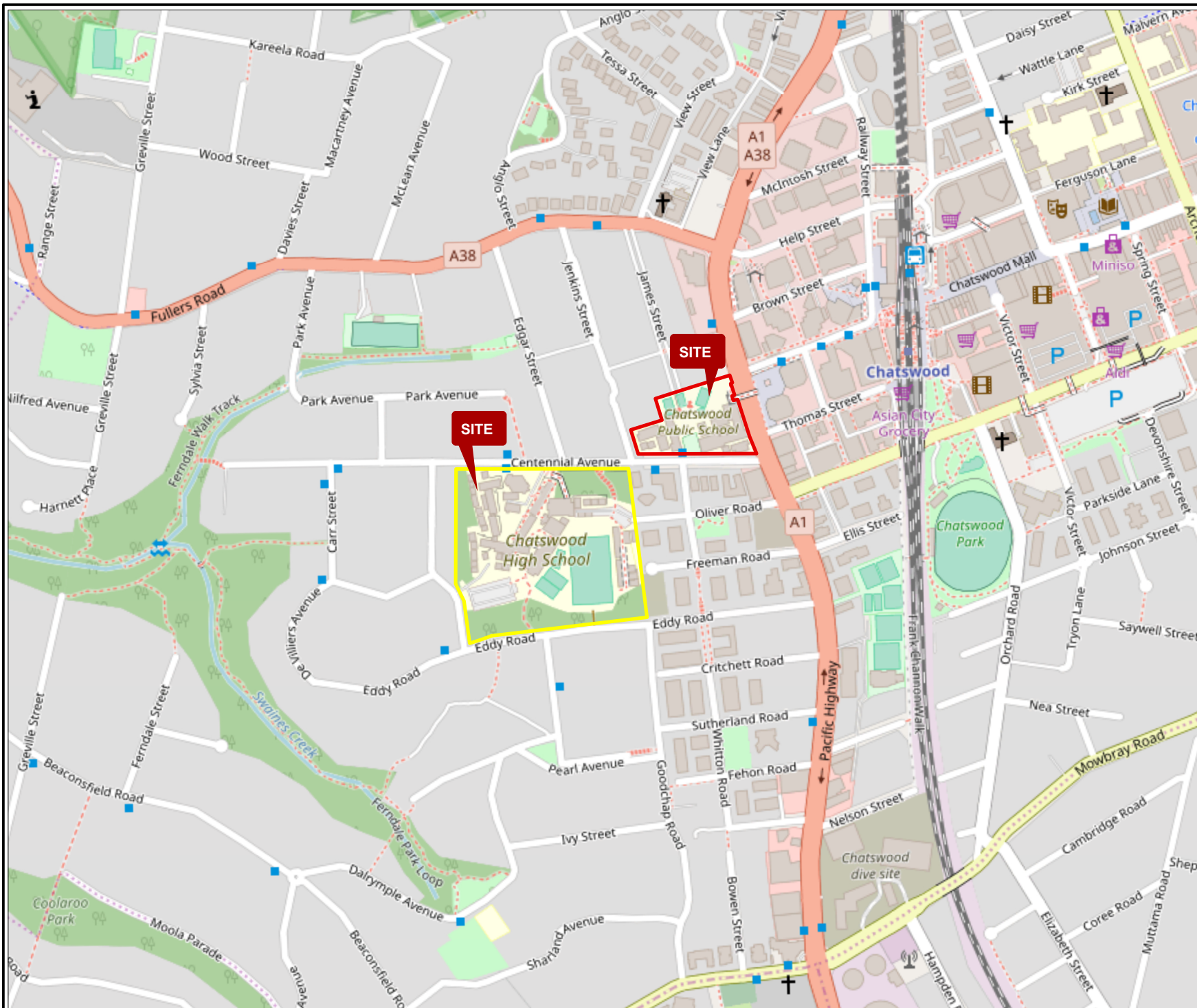
Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the subsurface conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigations.

This report does not provide a complete assessment of the environmental status of the site, and it is limited to the scope defined herein. Should information become available regarding conditions at the site including previously unknown sources of contamination, JBS&G reserves the right to review the report in the context of the additional information.

Figures



Legend:

- Approximate Public School Site Boundary
- Approximate High School Site Boundary



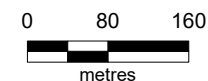
Job No: 55579

Client: Pells Sullivan Meynik

Version: R03 Rev A Date 19/02/2019

Drawn By: AV Checked By: DD

Scale 1:7,500



Coord. Sys. GDA 1994 MGA Zone 56

**5 & 24 Centennial Avenue
Chatswood, NSW**

SITE LOCATION

FIGURE 1



- Legend:**
- Approximate Site Boundary
 - Demountable Buildings
 - Structure to be Demolished
 - Structure to be Retained/Refurbished



Job No: 55579	
Client: Pells Sullivan Meynik	
Version: R04 Rev A	Date 14/01/2019
Drawn By: AV	Checked By: DD
Scale 1:850	
<div style="text-align: center;"> 0 10 20 metres </div>	
Coord. Sys. GDA 1994 MGA Zone 56	
5 Centennial Avenue Chatswood, NSW	
SITE LAYOUT (MAIN CAMPUS)	
FIGURE 2A	



Legend:

- Approximate High School Site Boundary
- Demountable Buildings
- Bush Campus Boundary
- Structure to be Demolished



Job No: 55579

Client: Pells Sullivan Meynik

Version: R04 Rev A

Date 14/01/2019

Drawn By: AV

Checked By: DD

Scale 1:1,500



0 10 20
metres

Coord. Sys. GDA 1994 MGA Zone 56

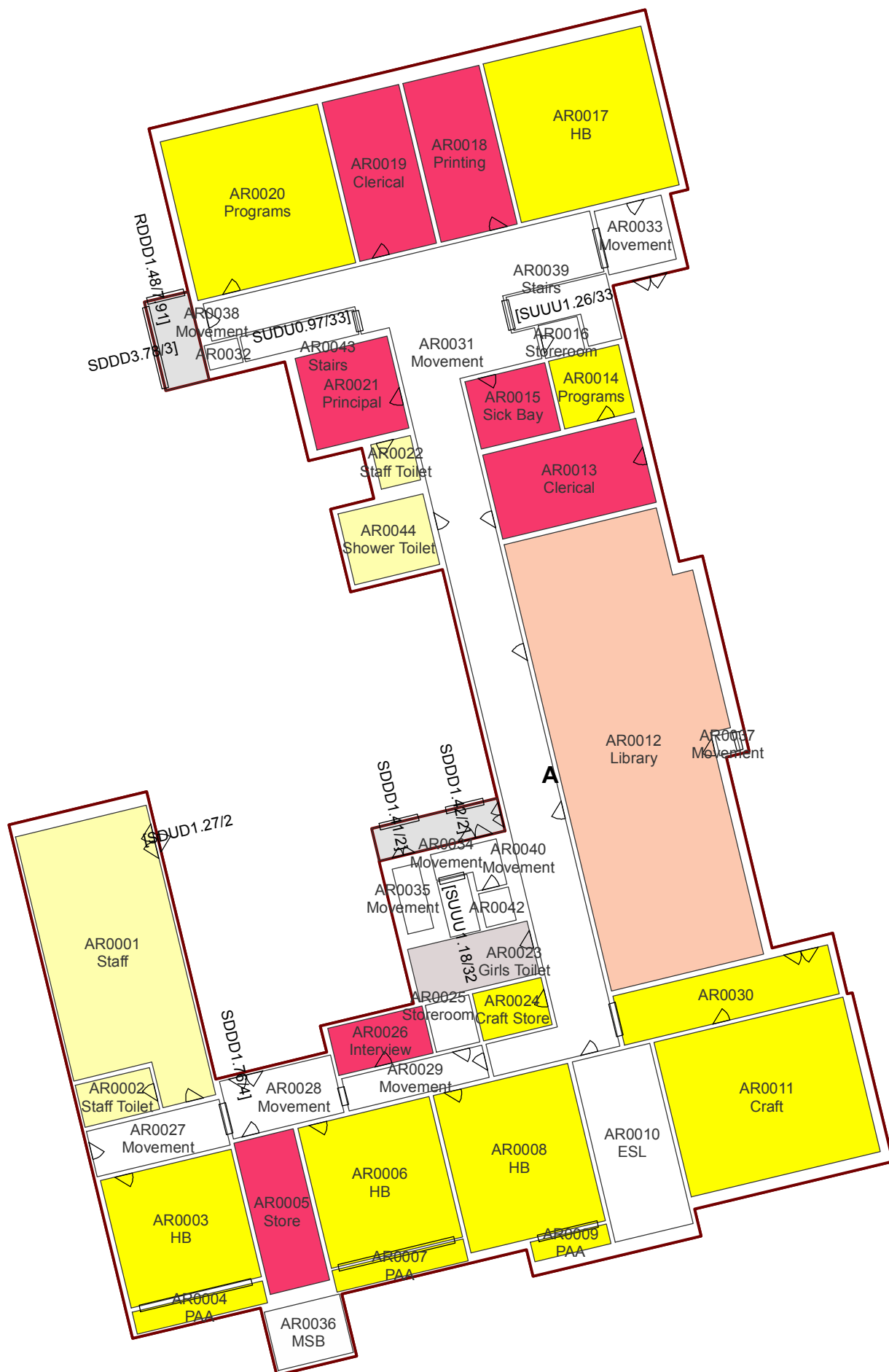
**5 Centennial Avenue
Chatswood, NSW**

SITE LAYOUT (BUSH CAMPUS)

FIGURE 2B

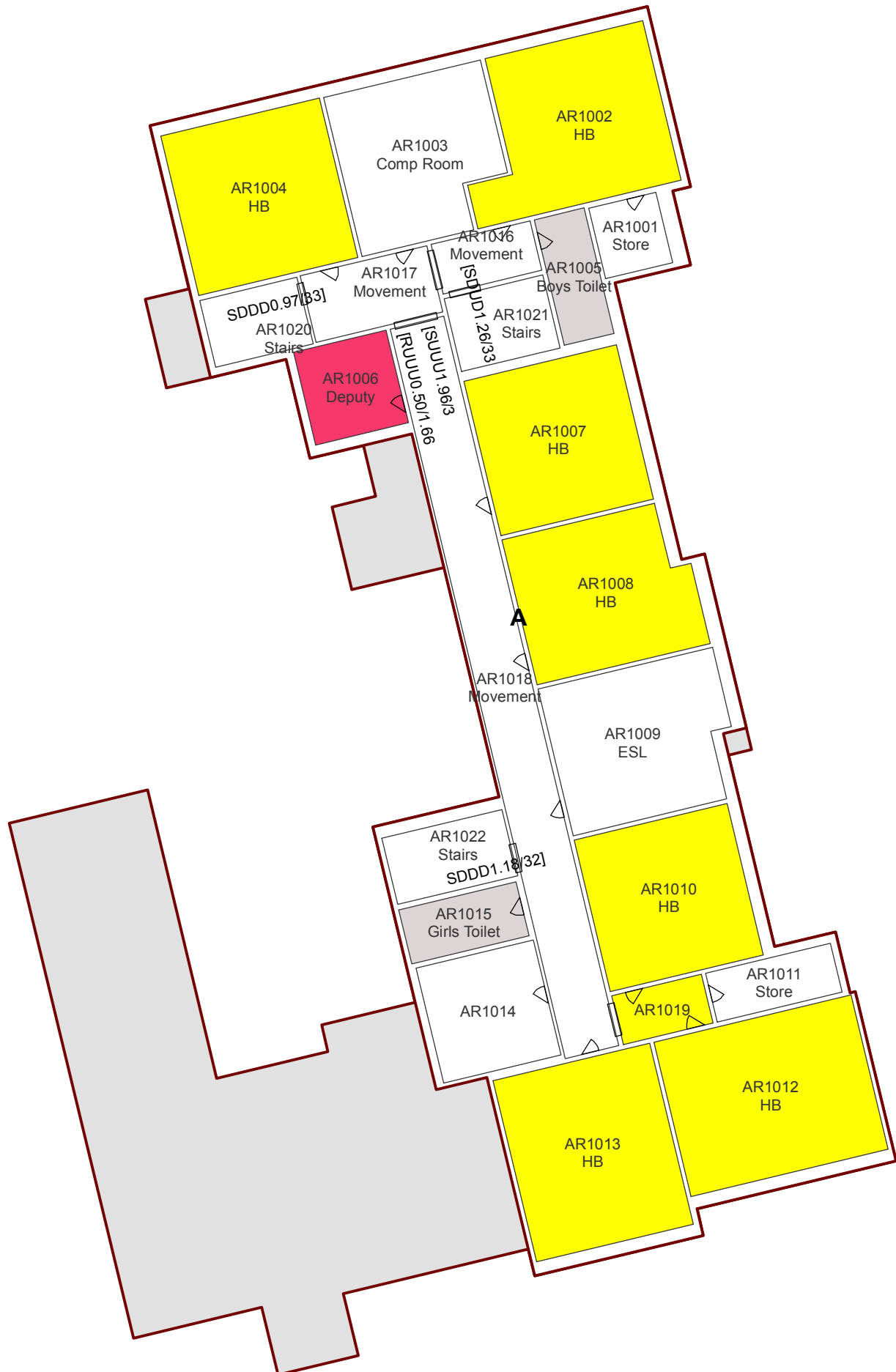
7409 - Chatswood Public School

General Learning/Administration (B00A) - Ground Floor (Room Function)

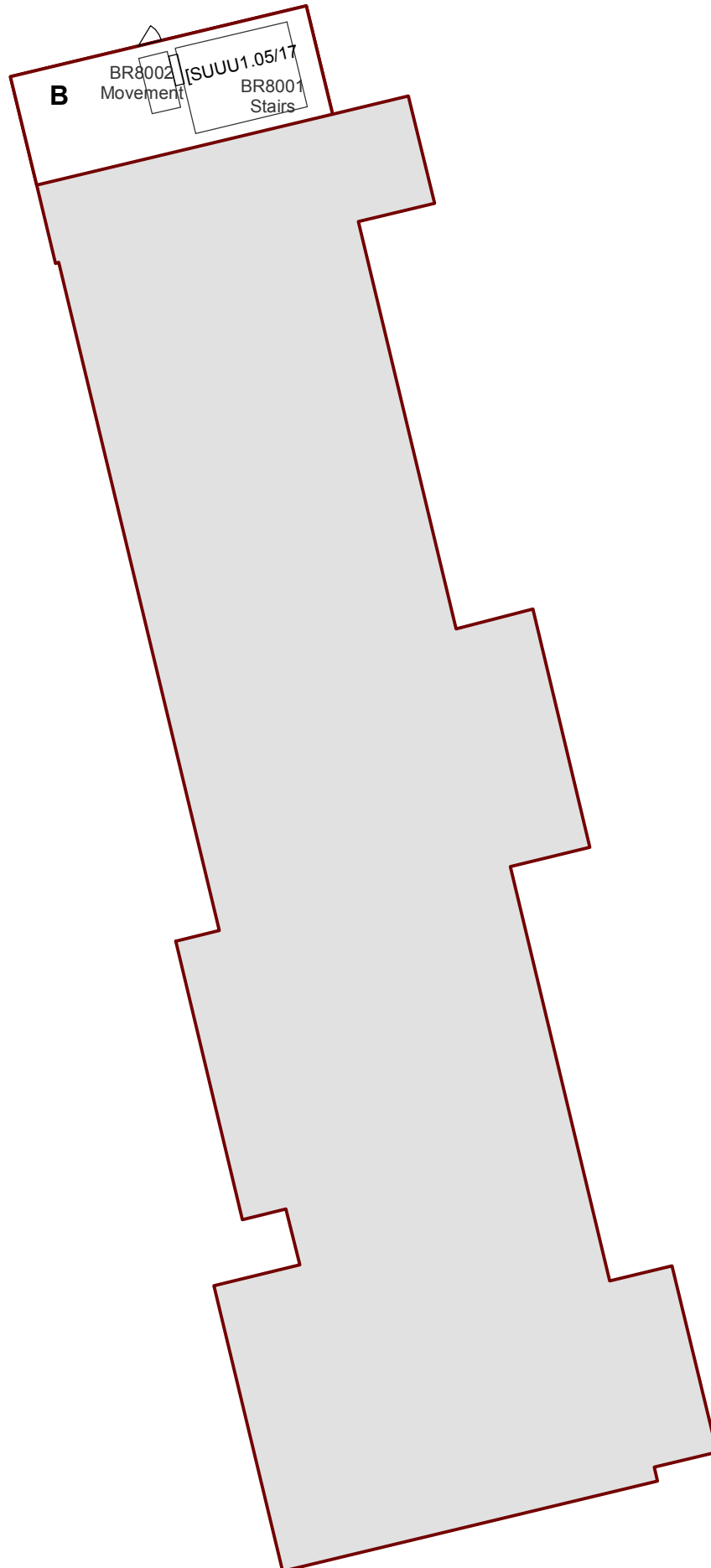


General Learning/Administration (B00A) - 1st Floor (Room Function)

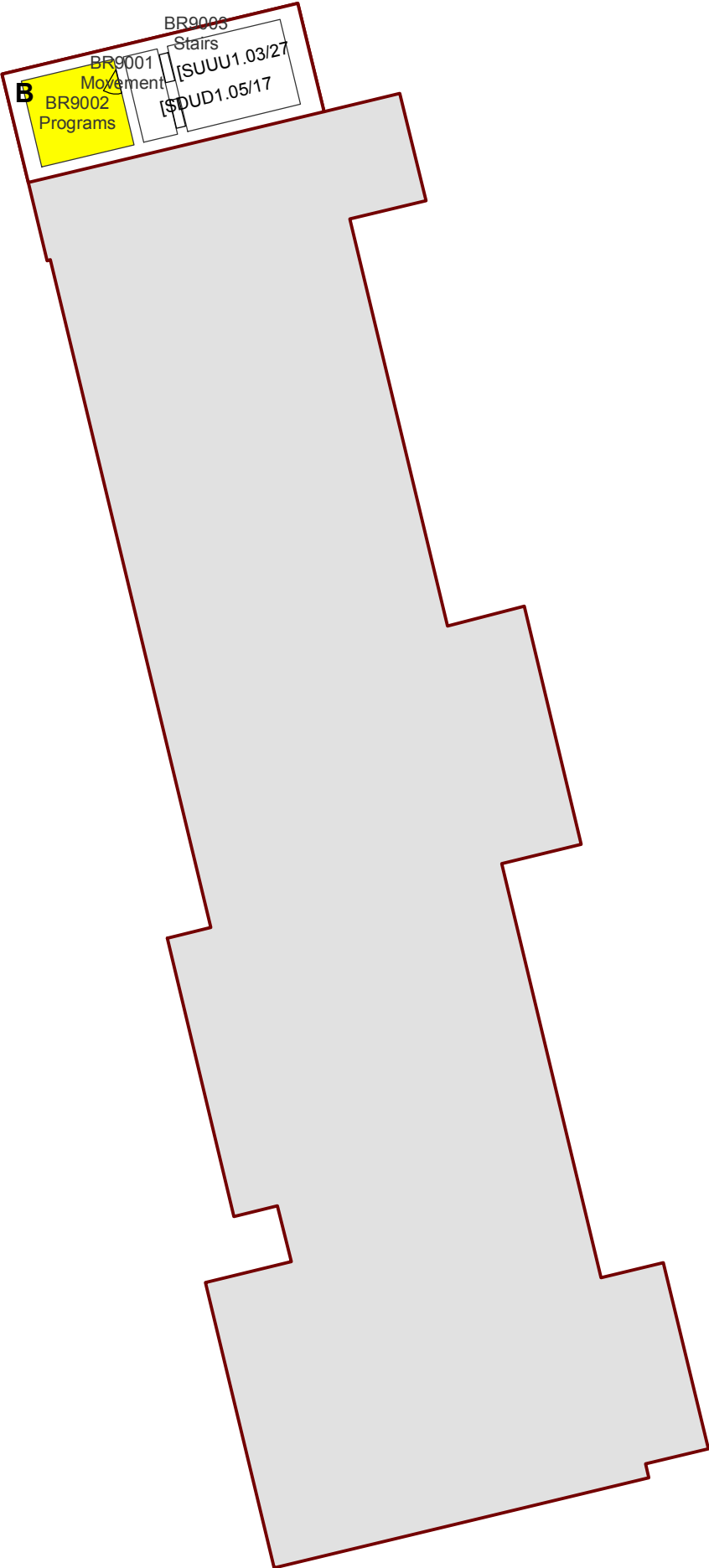
General Learning/Administration (B00A) - 1st Floor (Room Function)



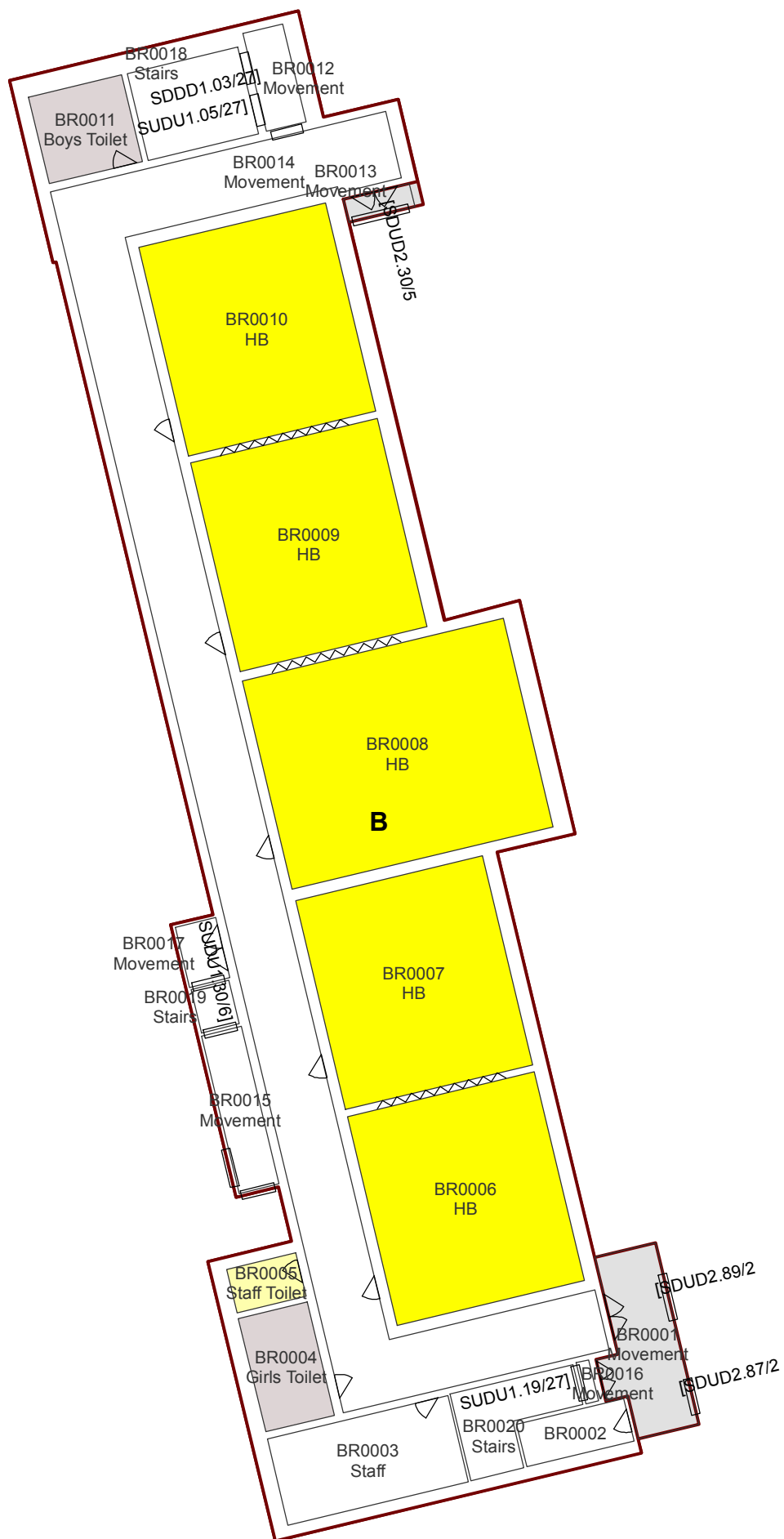
7409 - Chatswood Public School
General Learning/Pupil Facilities (B00B) - Basement 2 (Room Function)



7409 - Chatswood Public School
General Learning/Pupil Facilities (B00B) - Basement 1 (Room Function)

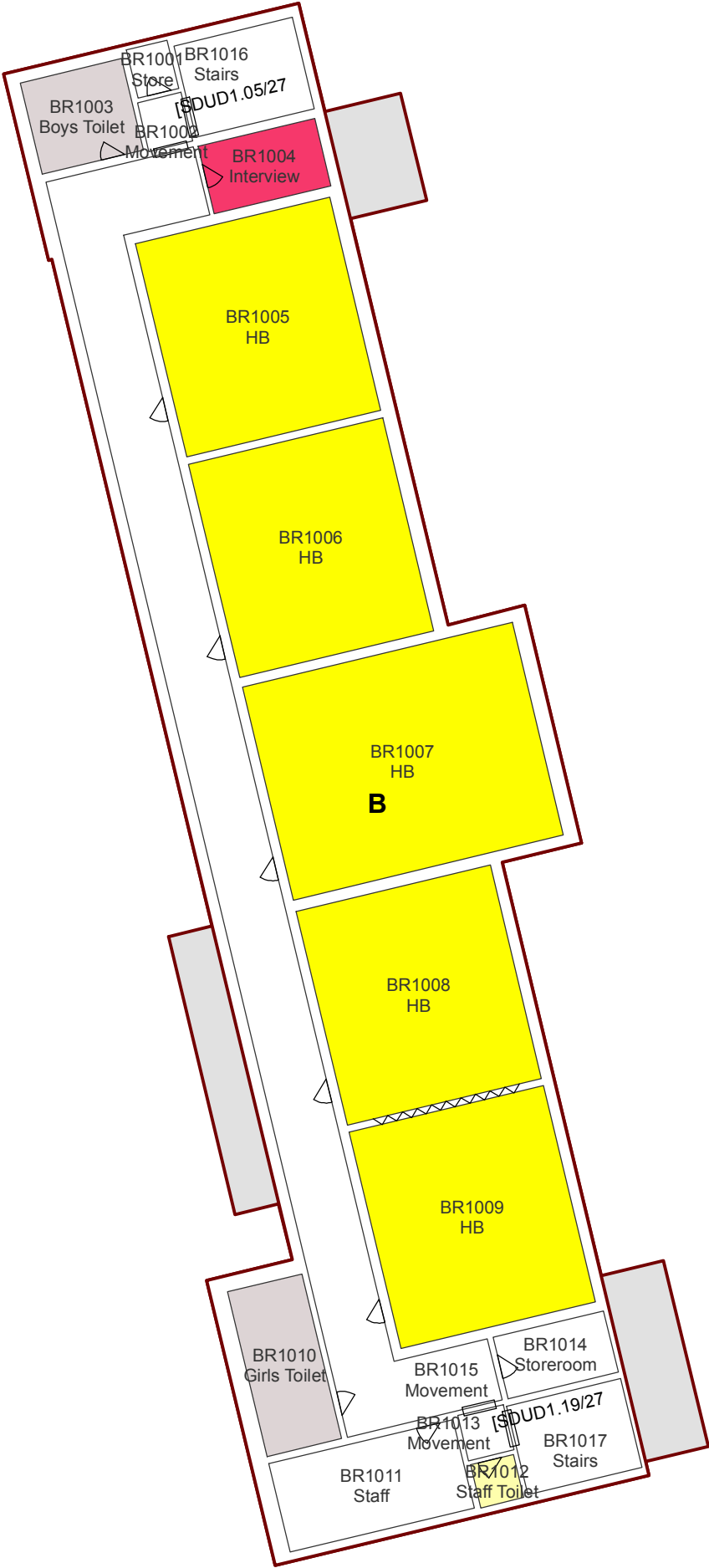


7409 - Chatswood Public School
General Learning/Pupil Facilities (B00B) - Ground Floor (Room Function)



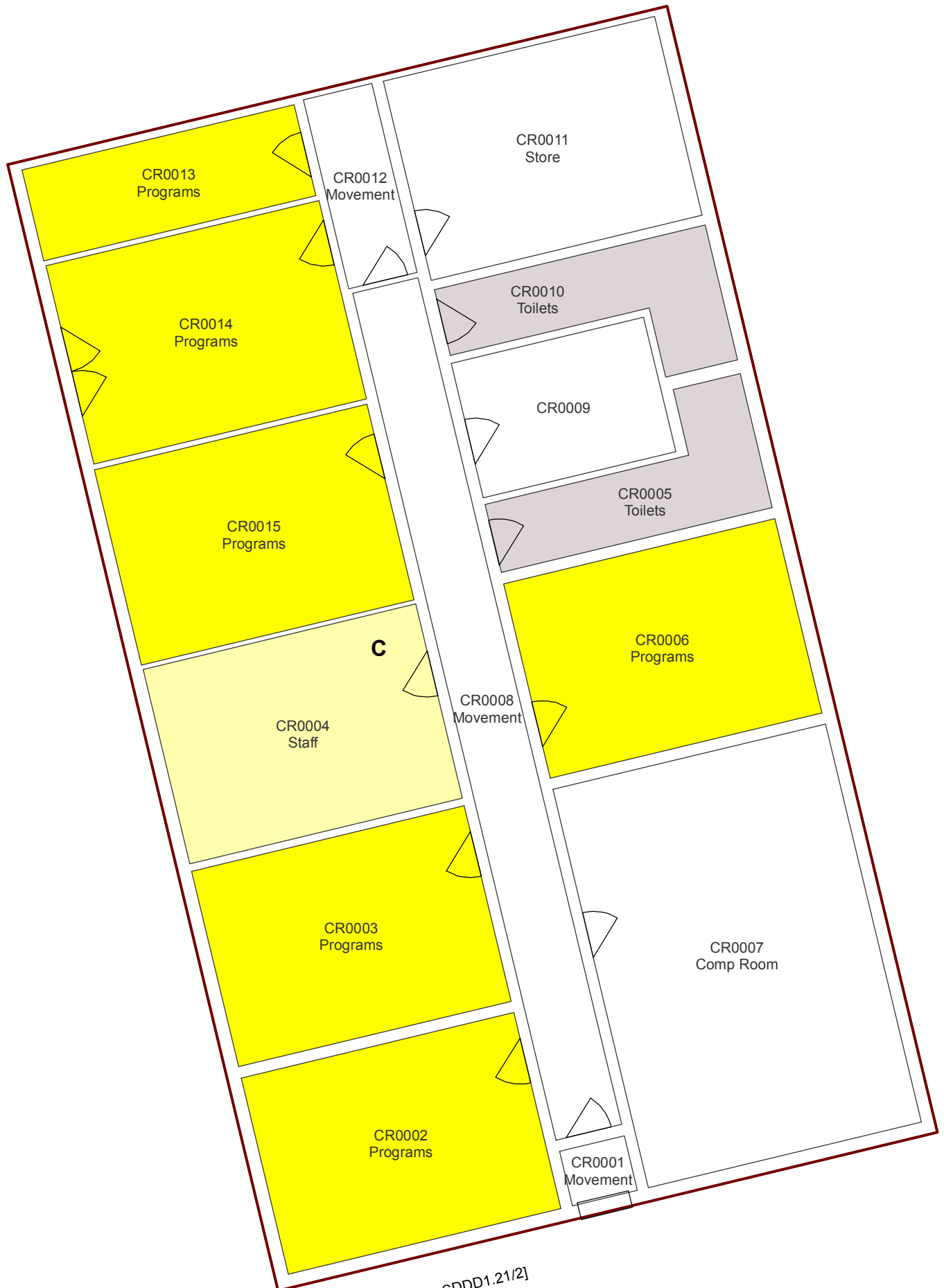
0 3 6 9
Meters

7409 - Chatswood Public School
General Learning/Pupil Facilities (B00B) - 1st Floor (Room Function)



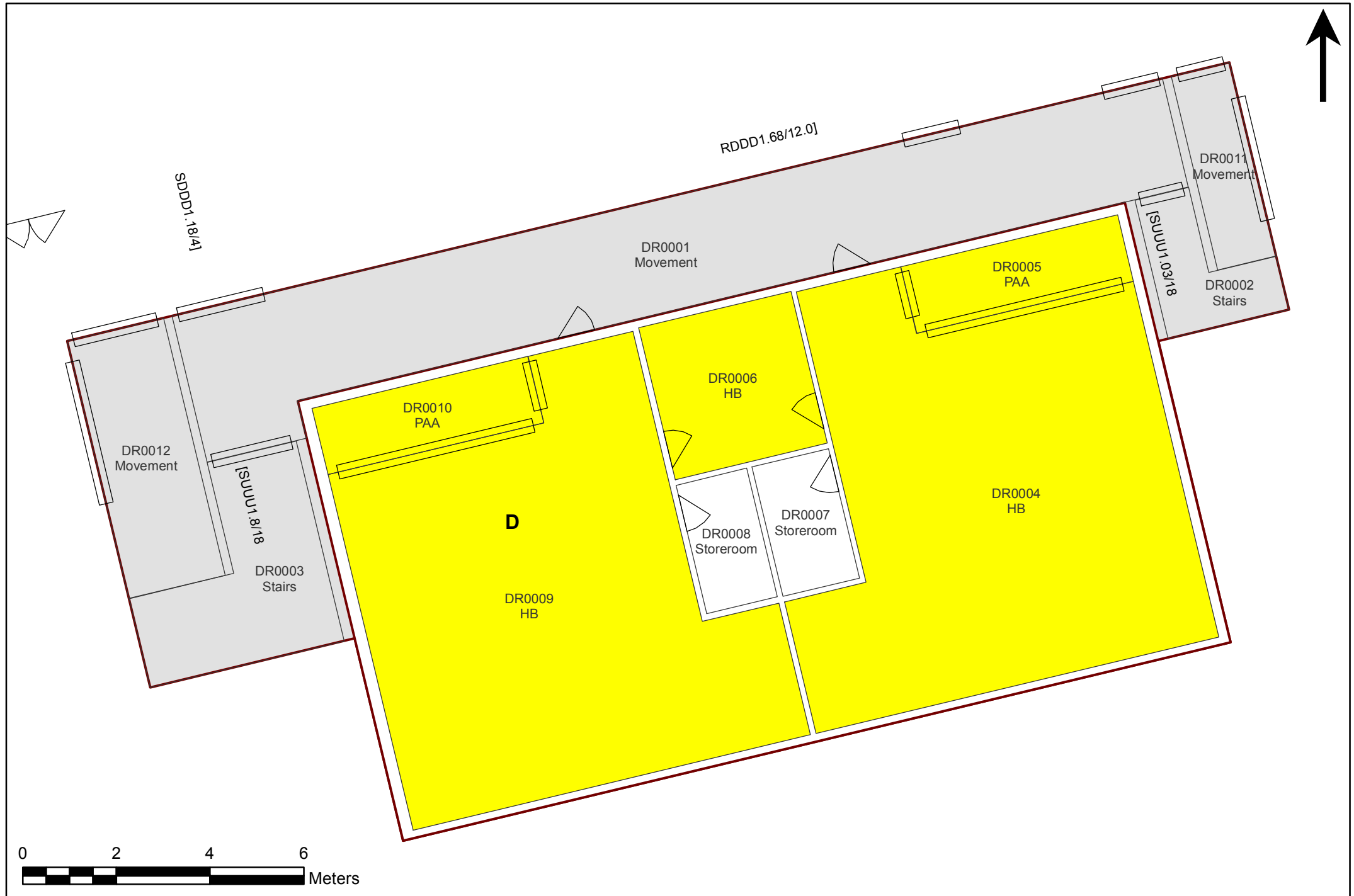
0 3 6 9
Meters

7409 - Chatswood Public School
Special Purpose (B00C) - Ground Floor (Room Function)



0 1 2 3
Meters

7409 - Chatswood Public School
General Learning (B00D) - Ground Floor (Room Function)

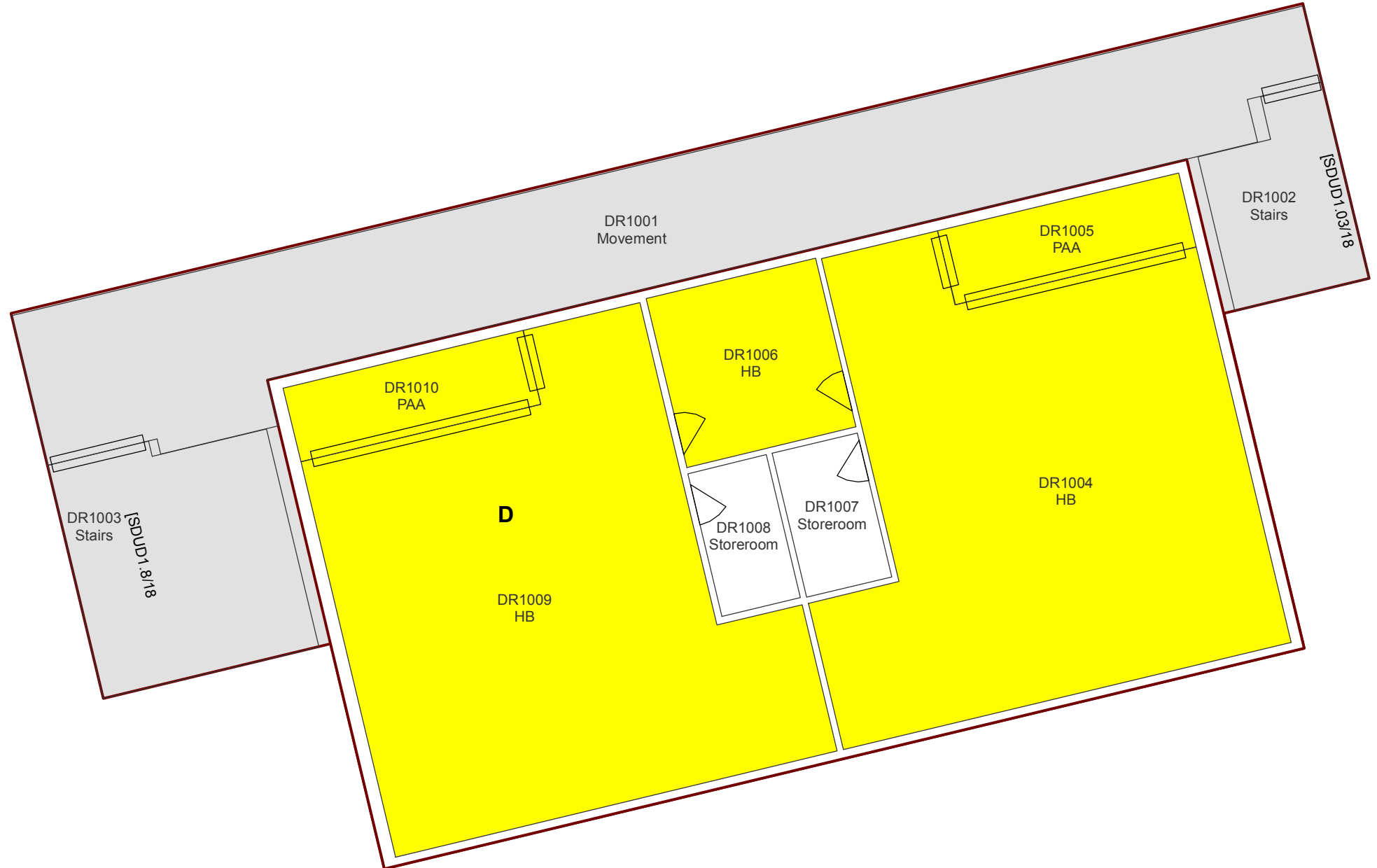


0 2 4 6 Meters

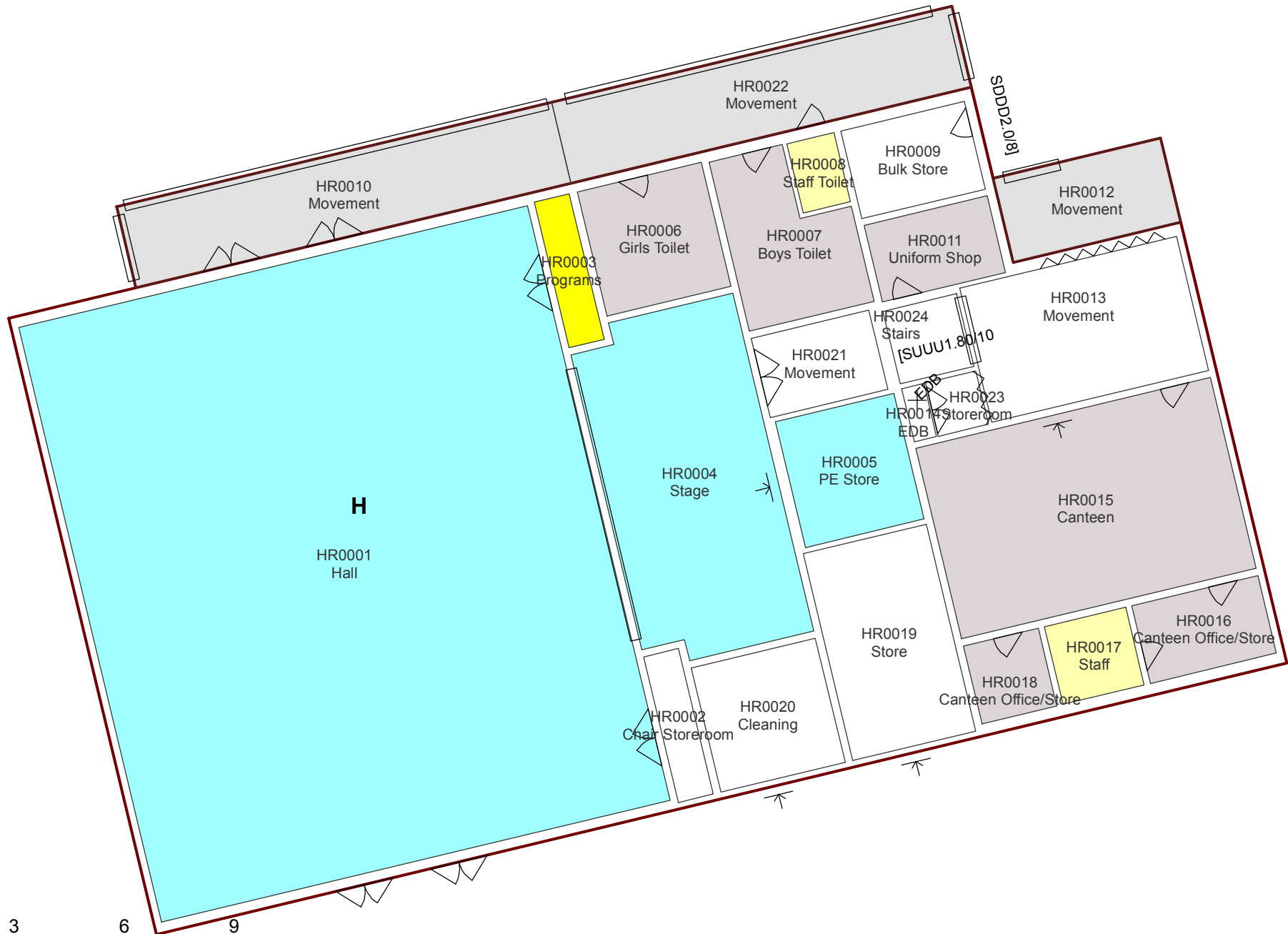
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Printed: 08-Dec-2017

7409 - Chatswood Public School
General Learning (B00D) - 1st Floor (Room Function)

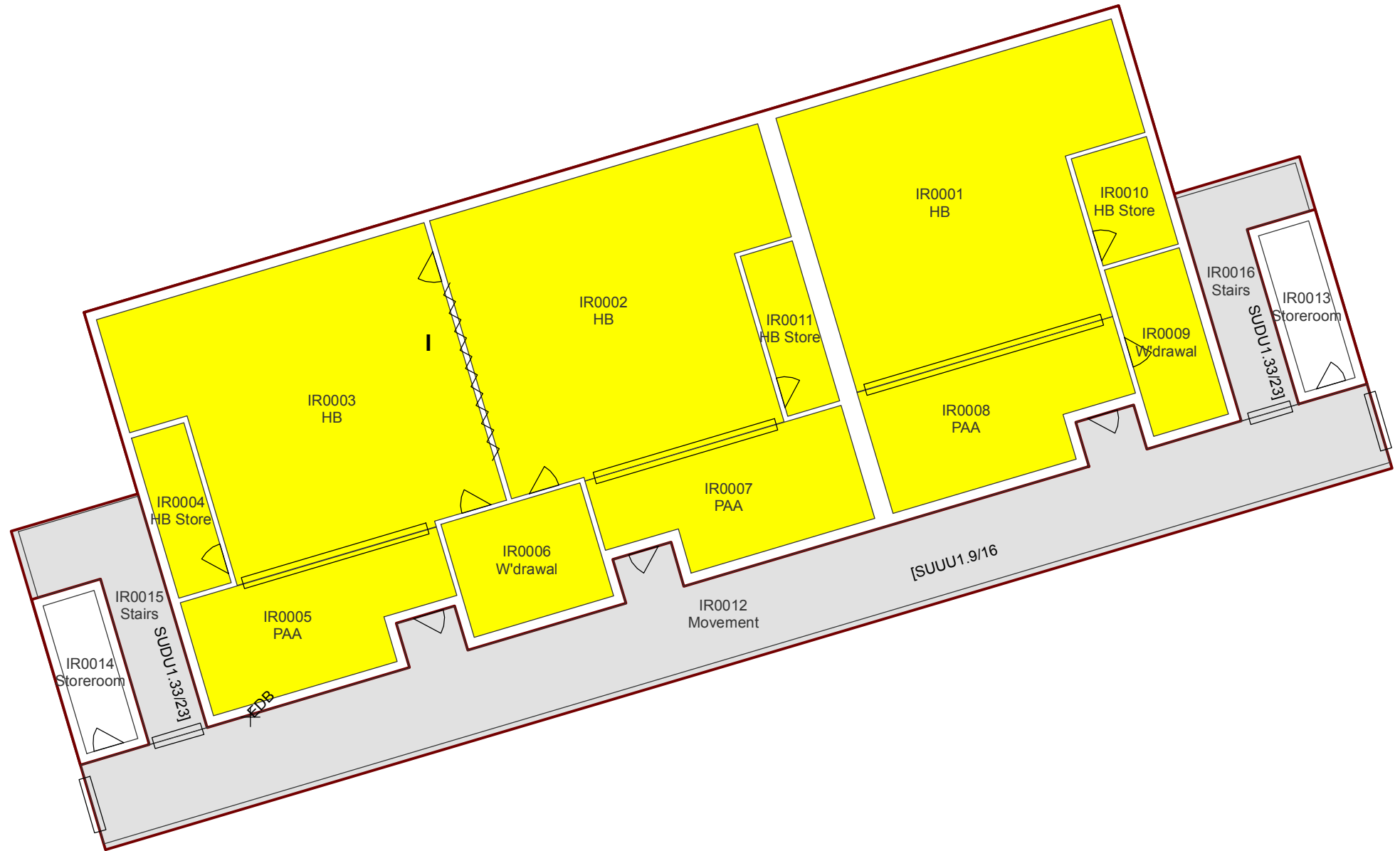


7409 - Chatswood Public School
Communal Facilities/Pupil Facilities (B00H) - Ground Floor (Room Function)

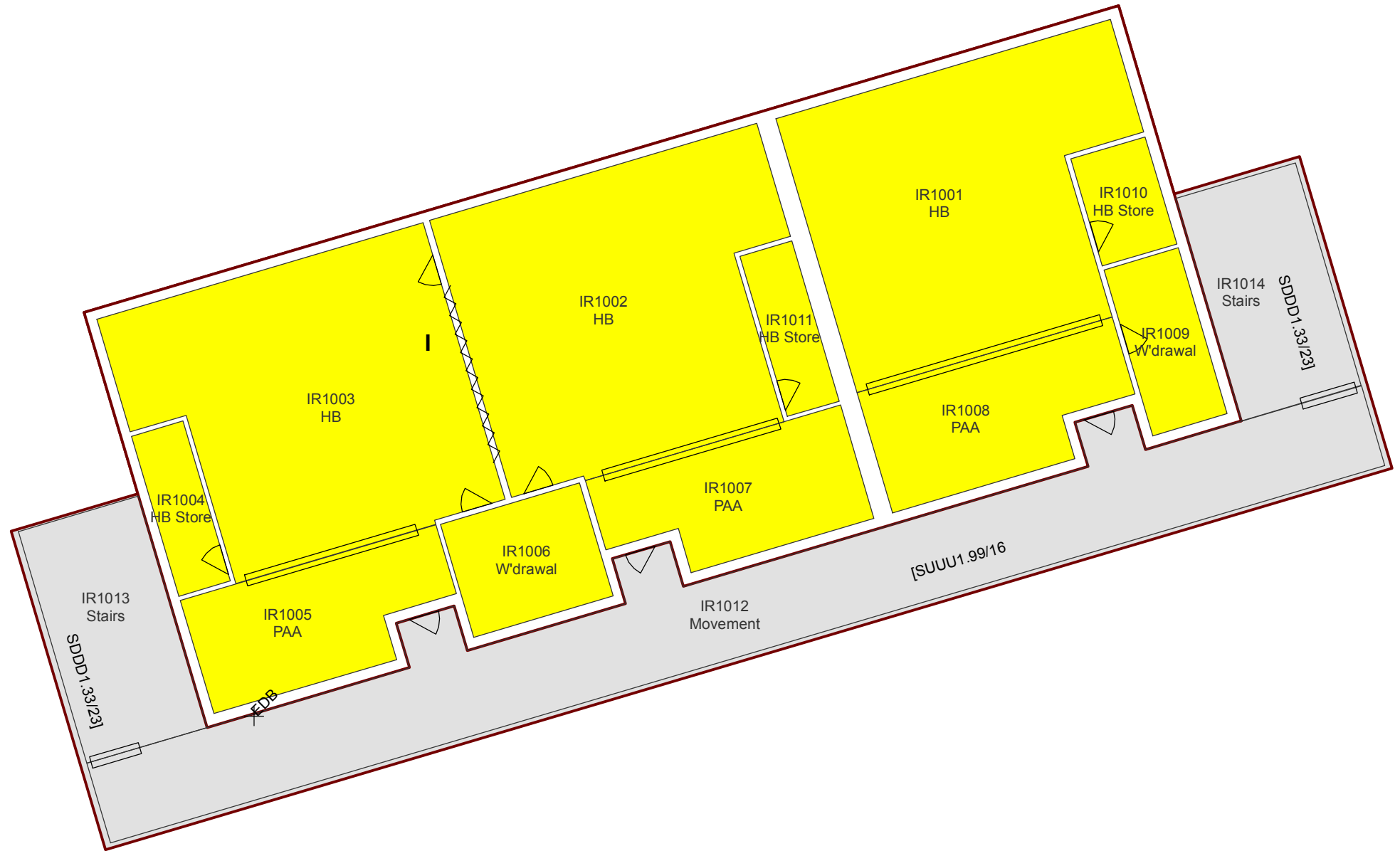


0 3 6 9 Meters

7409 - Chatswood Public School
General Learning (B00I) - Ground Floor (Room Function)



7409 - Chatswood Public School
General Learning (B00I) - 1st Floor (Room Function)



0 3 6 9
Meters

Appendix A Hazardous Materials Register

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
A-A01	Ground floor, Room R0001, floor covering beneath carpet	Green vinyl tiles	1	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	15 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
A-A03	Ground floor, Room R0010, floor covering beneath carpet	Beige vinyl tiles	2	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	30 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample S13 (Greencap 2014)	Ground floor, Room R0012, floor covering beneath carpet	Vinyl tiles	-	Yes	Non-Friable	Asbestos Detected	Good	152 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.
A-A10	Ground floor, Room R0017, floor covering beneath carpet	Cream vinyl tiles	-	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A05	Ground floor, Room R0020, floor covering beneath carpet	Mustard vinyl tiles	3	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
A-A08	Ground floor, Room R0023, cubicle partitions	Fibre cement sheeting	7	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	10 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
A-A05	Ground floor, Room R0030 & R0031, floor covering beneath carpet	Mustard vinyl tiles	3	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	170 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
A-A11	Ground floor, Room R0031, western wall	Fibre cement sheeting	8	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	60 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
A-A12	First floor, Room R1002, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A12	First floor, Room R1003, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A12	First floor, Room R1004, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A08	First floor, Room R1005, cubicle partitions	Fibre cement sheeting	10	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	10 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
A-A13	First floor, Room R1007, floor covering beneath carpet	Brown vinyl tiles	5	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A13	First floor, Room R1008, floor covering beneath carpet	Brown vinyl tiles	5	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A12	First floor, Room R1009, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A12	First floor, Room R1010, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non-Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Same as A-A11	First floor, Room R1011, western wall	Fibre cement sheeting	9	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	4 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
A-A14	First floor, Room R1012, floor covering beneath carpet	Orange vinyl tiles	6	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A12	First floor, Room R1014, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	30 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A12	First floor, Room R1016, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	15 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A12	First floor, Room R1017, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	20 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A12	First floor, Room R1018, floor covering beneath carpet	Green vinyl tiles	4	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	100 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A11	First floor, Room R1018, western wall	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	60 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A11	First floor, Room R1019, eastern wall	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	4 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample S13 (Greencap 2014)	First floor, Room R1019, floor covering beneath carpet	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	Good	10 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.
A-A15	Roof void, north-east chimney flue	Fibre cement pipe	11	Yes	Non- Friable	Chrysotile Asbestos Detected	Fair	< 1m ² (visible)	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A15	Chimneys throughout building, flue	Fibre cement pipe	-	Yes	Non- Friable	Assumed Asbestos	Good	Unknown	Material assumed to be present. Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample AR0022-A01 (DP 2018)	External, west aspect, soffit to R0022	Fibre cement sheeting	13	Yes	Non- Friable	Asbestos Detected	Good	2 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample AR0022-A01 (DP 2018)	External, west aspect, soffit to R0044	Fibre cement sheeting	13	Yes	Non- Friable	Asbestos Detected	Good	4 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample AR0022-A01 (DP 2018)	External, east aspect, small awning linings (x2)	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	4 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
-	External, eaves	Fibre cement sheeting	12	Yes	Non- Friable	Assumed to contain Asbestos	Good	200 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Same as A-A11	External, panel above R0034 door	Fibre cement sheeting	-	Yes	Non- Friable	Assumed to contain Asbestos	Good	2 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Same as A-A11	External, SW gable end	Fibre cement sheeting	14	Yes	Non- Friable	Assumed to contain Asbestos	Good	20 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
Refer sample S9 (Greencap 2014)	Ground floor, Room R0001, floor (kitchen area)	Blue vinyl	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
A-A02	Ground floor, Room R0004, floor	Orange vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Same as A-A02	Ground floor, Room R0006, floor	Orange vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
A-A04	Ground floor, Room R0010, floor covering beneath carpet	Black adhesive to beige vinyl tiles	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
A-A06	Ground floor, Room R0011, floor covering	Blue vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Same as A-A07	Ground floor, Room R0015, floor covering	Tan vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
A-A07	Ground floor, Room R0018, floor covering	Tan vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
A-A09	Ground floor, Room R0023 & R0031, wall surrounding door to R0023	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Same as A-A02	Ground floor, Room R0024, floor	Orange vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
A-AD01	Ground floor, Room R0031, air conditioning loft	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Same as A-A02	Ground floor, Room R0031, floor	Orange vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Same as A-A09	First floor, Room R1005 & R1016, wall surrounding door to R1005	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
A-AD02	Roof void, northern portion	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
A-AD03	Roof void, southern portion	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
A-A16	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	External, southern aspect, electrical cabinets	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Lead Containing Dust											
A-LD01	Ground floor, Room R0031, air conditioning loft	Accumulated dust	15	Yes	-	660 mg/kg	Poor	10 m ²	Remove prior to refurbishment by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample AR0031-LD01 (DP 2018)	Ground floor, Room R0031, ceiling cavity (south end)	Accumulated dust	-	Yes	-	>0.5 mg/m²	Poor	10 m ²	Remove prior to refurbishment by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample AR0031-LD02 (DP 2018)	Ground floor, Room R0031, ceiling cavity (centre end)	Accumulated dust	-	Yes	-	>0.5 mg/m²	Poor	10 m ²	Remove prior to refurbishment by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
A-LD02	Roof void, northern portion	Accumulated dust	16	Yes	-	620 mg/kg	Poor	750 m ²	Remove prior to refurbishment by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
A-LD03	Roof void, southern portion	Accumulated dust	16	Yes	-	1000 mg/kg	Poor		Remove prior to refurbishment by an experience hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Lead Based Paints											
Refer sample B00A-EXT- LP01 (DP 2018)	External, west aspect, timber weatherboard cladding	Cream paint	17	Yes	-	>0.1% w/w	Fair	120 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample B00A-EXT- LP03 (DP 2018)	External, timber windows	Tan paint	17	Yes	-	>0.1% w/w	Fair	100 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample AR0005-LP01 (DP 2018)	Ground floor, Room R0005, walls	Orange/cream paint	-	Yes	-	>0.1% w/w	Fair	30 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample AR0028-LP01 (DP 2018)	Ground floor, Room R0028, walls	Pale green paint	-	Yes	-	>0.1% w/w	Fair	20 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample AR0039-LP01 (DP 2018)	Ground floor, Room R0039, walls	Pale green paint	-	Yes	-	>0.1% w/w	Fair	30 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample AR1008-LP01 (DP 2018)	First floor, Room R1008, windows	Pale green paint	-	Yes	-	>0.1% w/w	Fair	10 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample AR1012-LP01 (DP 2018)	First floor, Room R1012, walls	Green/orange paint	18	Yes	-	>0.1% w/w	Fair	50 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample AR1020-LP01 (DP 2018)	First floor, Room R1020, stair handrail	Dark green paint	19	Yes	-	>0.1% w/w	Fair	10 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
-	Throughout internal areas	Paint systems	-	Yes	-	Assumed lead based paint	Fair	Unknown	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Non-Lead Based Paints											
A-LP01	Ground floor, internal surface of timber windows, throughout	White paint	-	-	-	0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample B00A-EXT-LP02 (DP 2018)	External, window awning supports	Cream paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample AR0031-LP01 (DP 2018)	Ground floor, Room R0031, walls	Pale green paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample AR1018-LP01 (DP 2018)	First floor, Room R1018, windows	Pale green paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	25/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	External, west aspect, adjacent Room R0022, hot water system	Insulation core	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	External, split system air conditioning units	Internal insulation	20	No	Non-Friable	Assumed SMF	Unknown	Unknown	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	Roof, air conditioning plant and ducting	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	External, south aspect, air conditioning plant (within enclosure)	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	Ground floor, Room R0001, instant hot water system	Insulation core	21	No	Non-Friable	Assumed SMF	Unknown	Unknown	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	Ground floor, Room R0044, ceiling cavity	insulation	-	Yes	Non-Friable	Assumed SMF	Good	25 m ²	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building A



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Roof void, sarking and associated debris	Insulation	22	Yes	Non- Friable	Assumed SMF	Good	750 m ²	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	Roof void, air conditioning, ducting	Insulation lagging	23	Yes	Non- Friable	Assumed SMF	Good	200 m ²	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	Roof void, air conditioning, ducting	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
Refer sample S21 (Greencap 2014)	Ground floor, Room R0001, electrical cabinet	Electrical backing board	-	Yes	Non- Friable	Asbestos Detected	Good	1 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
As per B-A01	Ground floor, Room R0003, floor covering beneath carpet	Green vinyl tiles	24	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	20 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
B-A04	Ground floor, Room R0004, cubicle partitions	Fibre cement sheeting	27	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	12 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
B-A02	Ground floor, Room R0006, floor covering beneath carpet	Olive vinyl tiles	25	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
As per B-A02	Ground floor, Room R0007, floor covering beneath carpet	Olive vinyl tiles	25	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample S19 (Greencap 2014)	Ground floor, Room R0008, floor covering beneath carpet	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	Good	66 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample S19 (Greencap 2014)	Ground floor, Room R0009, floor covering beneath carpet	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	Good	47 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.
Refer sample S19 (Greencap 2014)	Ground floor, Room R0010, floor covering beneath carpet	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	Good	47 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.
As per B-A04	Ground floor, Room R0011, cubicle partitions	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	4 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
B-A01	Ground floor, Room R0014, floor covering beneath carpet	Green vinyl tiles	24	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	125 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
As per B-A04	First floor, Room R1003, cubicle partitions	Fibre cement sheeting	28	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	5 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample S19 (Greencap 2014)	First floor, Room R1005, floor covering beneath carpet	Vinyl tiles	-	Yes	Non- Friable	Asbestos Detected	Good	49 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	Material not identified at the time of JBS&G and DP inspections. Material assumed to have been removed. No documentation was made available to JBS&G.

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per B-A02	First floor, Room R1006, floor covering beneath carpet	Olive vinyl tiles	25	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	49 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
As per B-A02	First floor, Room R1007, floor covering beneath carpet	Olive vinyl tiles	25	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	68 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
As per B-A02	First floor, Room R1008, floor covering beneath carpet	Olive vinyl tiles	25	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	48 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
As per B-A02	First floor, Room R1009, floor covering beneath carpet	Olive vinyl tiles	25	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	50 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
As per B-A04	First floor, Room R1010, cubicle partitions	Fibre cement sheeting	-	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	12 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
B-A06	First floor, Room R1015, floor covering beneath carpet	Grey vinyl tiles	26	Yes	Non- Friable	Chrysotile Asbestos Detected	Good	125 m ²	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
-	External, gable ends	Fibre cement sheeting	-	No	Non- Friable	Assumed to contain Asbestos	-	-	Remove prior to refurbishment. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	Material not identified during JBS&G inspection. Gable ends comprised exposed brick with timber eaves.
No Asbestos Detected (NAD)											
B-A05	Ground floor, Room R0004, north wall lining	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
As per B-A05	Ground floor, Room R0005, internal partition walls	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
B-A03	Ground Floor, Room R0012, floor covering	Blue vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
As per B-A03	Ground Floor, Room R0018, floor covering	Blue vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
As per B-A03	First Floor, Room R1002, floor covering	Blue vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
B-A07	First floor, Room R1011, floor covering	Tan vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
As per B-A07	First floor, Room R1012, floor covering	Tan vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
As per B-A07	First floor, Room R1013, floor covering	Tan vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR1014-A01 (DP 2018)	First floor, Room R1014, floor covering	Blue vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
As per B-A03	First Floor, Room R1016, floor covering	Blue vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
As per B-A03	First Floor, Room R1017, floor covering	Blue vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
B-A08	External, timber windows	Putty	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Lead Containing Dust											
-	Roof void	Accumulated dust	-	Yes	-	Assumed to contain Elevated Levels of Lead	Poor	610 m ²	Roof void was inaccessible due to height safety hazards. Assumed to contain elevated levels of lead above the adopted site criteria based on the age of the structure. Remove prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Lead Based Paints											
Refer sample BR0006/LP04 (DP 2018)	Ground Floor, Room R0006, windows	White paint	-	Yes	-	>0.1% w/w	Fair	10 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample BR0008/LP08 (DP 2018)	Ground Floor, Room R0008, windows	White paint	29	Yes	-	>0.1% w/w	Fair	10 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample BR0010/LP11 (DP 2018)	Ground floor, Room R0010, skirting board	White paint	-	Yes	-	>0.1% w/w	Fair	20 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample BR0011/LP13 (DP 2018)	Ground floor, Room R0011, window frame	White paint	-	Yes	-	>0.1% w/w	Fair	10 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample BR1005/LP16 (DP 2018)	First floor, Room R1005, door frame	White paint	-	Yes	-	>0.1% w/w	Fair	10 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample BI-LP17 (DP 2018)	First floor, Room R1005, window	White paint	30	Yes	-	>0.1% w/w	Fair	10 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample BR1008/LP20 (DP 2018)	First floor, Room R1008, window	White paint	-	Yes	-	>0.1% w/w	Fair	10 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample BR1017/LP22 (DP 2018)	First floor, Room R1017, walls	Beige paint	31	Yes	-	>0.1% w/w	Fair	40 m ²	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
-	Throughout internal areas	Paint systems	-	Yes	-	Assumed lead based paint	Fair	Unknown	Remove loose and flaking paint prior to refurbishment by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to refurbishment by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample BR001/LP01 (DP 2018)	Ground Floor, Room R0001, door	Green paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR0001/LP03 (DP 2018)	Ground Floor, Room R0001, walls	Green paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample BR003/LP02 (DP 2018)	Ground Floor, Room R0003, windows	White paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR006/LP05 (DP 2018)	Ground Floor, Room R0006, skirting boards	White paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR007/LP06 (DP 2018)	Ground Floor, Room R0007, door	Beige paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR007/LP07 (DP 2018)	Ground Floor, Room R0007, walls	Green paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR008/LP09 (DP 2018)	Ground floor, Room R0008, wall	Blue paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR009/LP10 (DP 2018)	Ground floor, Room R0009, walls	Pink paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR101/LP14 (DP 2018)	First floor, Room R1001, walls	Beige paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR106/LP18 (DP 2018)	First floor, Room R1006, wall	Blue paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample BR107/LP19 (DP 2018)	First floor, Room R1007, window wall	Blue paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building B



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Synthetic Mineral Fibres (SMF)											
-	Roof void	Insulation materials	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Roof void inaccessible due to height safety hazards. Assumed to contain SMF materials. If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	External and internal air conditioning units	Internal insulation	32	No	Non-Friable	Assumed SMF	Unknown	Unknown	If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	
-	Roof void, air conditioning, ducting	Insulation lagging	-	Yes	Non-Friable	Assumed SMF	Good	200 m ²	Roof void inaccessible due to height safety hazards. Material assumed to be present. If to be disturbed as part of the refurbishment works, remove in accordance with NOHSC:2006 (1990). Otherwise, leave in-situ and monitor condition.	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
As per C-A02	Room R0001, ceiling (external soffit)	Fibre cement sheeting	33	Yes	Non- Friable	Chrysotile and Amosite Asbestos Detected	Good	2 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample CR0004-A-01 (DP 2018)	Room R0004, under sink	Bituminous pad	34	Yes	Non- Friable	Asbestos Detected	Good	< 1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample CR0014-A01 (DP 2018)	Room R0011, electrical panel	Fibre cement sheeting	35	Yes	Non- Friable	Asbestos Detected	Good	< 1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample CR0014-A01 (DP 2018)	Room R0014, electrical panel	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	< 1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Refer sample CR0014-A01 (DP 2018)	Room R0015, electrical panel	Fibre cement sheeting	-	Yes	Non- Friable	Asbestos Detected	Good	< 1 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
C-A02	External, eaves	Fibre cement sheeting	36	Yes	Non- Friable	Chrysotile and Amosite Asbestos Detected	Good	40 m ²	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
-	External, southern aspect, electrical cabinets	Internal components	-	No	Unknown	Assumed to Contain Asbestos	Good	Unknown	Confirm presence of asbestos once isolated from electrical supply OR Assumed to contain asbestos and remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
No Asbestos Detected (NAD)											
Refer sample S5 (Greencap 2014)	Room R0004, floor	Vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample S7 (Greencap 2014)	Room R0005, walls	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	All walls within room comprised cement rendered brick. No fibre cement sheeting identified
C-AD01	Room R0006, floor	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample S7 (Greencap 2014)	Room R0010, walls	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	All walls within room comprised cement rendered brick. No fibre cement sheeting identified
C-A01	Room R0011, floor covering	Cream vinyl sheet	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample CR0012-A01 (DP 2018)	Room R0008 & R0012, door infill panels	Fibre cement sheeting	-			No Asbestos Detected			No further action required	25/1/2019 JBS&G SL	
C-AD02	Room R0015, floor	Accumulated dust	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Lead Containing Dust											
C-LD01	Room R0006, floor	Accumulated dust	-	Yes	-	75 mg/kg	Poor	40 m ²	Although lead concentration below the adopted site criteria, lead containing dust should be assumed to be present throughout the structure. Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample B00C-LD02 (DP 2018)	Room R0008, floor	Accumulated dust	-	Yes	-	>0.5 mg/m ²	Poor	40 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample B00C-LD01 (DP 2018)	Room R0011, floor	Accumulated dust	-	Yes	-	>0.5 mg/m ²	Poor	40 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
C-LD02	Room R0015, floor	Accumulated dust	37	Yes	-	440 mg/kg	Poor	40 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Lead Based Paints											
Refer sample B00C-EXT- LP08 (DP 2018)	External, handrail	Red paint	-	Yes	-	>0.1% w/w	Fair	15 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample B00C-LP06 (DP 2018)	External, window	Cream paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample CR0007-LP01 (DP 2018)	Room R0007, ceiling	White paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample CR0008-LP02 (DP 2018)	Room R0008, walls	White paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample CR0010-LP04 (DP 2018)	Room R0010, door frame	Cream paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample CR0011-LP05 (DP 2018)	Room R0011, wall	Mauve paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample CR0012-LP07 (DP 2018)	Room R0012, wall	Paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample CR0015-LP03 (DP 2018)	Room R0015, wall	Pale blue paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs.									Undertake detailed inspection following isolation of electricity supply, <u>OR</u> Handle in accordance with ANZECC 1997	25/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Room R0010, hot water system	Insulation core	38	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Internal, wall cavities	Insulation	-	Yes	Non- Friable	Assumed SMF	Fair	100 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building C



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Roof void	Insulation batts	39	Yes	Non- Friable	Assumed SMF	Fair	150 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Air conditioning units	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Throughout internal	Insulation debris	40	Yes	Non- Friable	Assumed SMF	Fair	10 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building D



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Internal, wall cavities	Insulation	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present. Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
-	External, aluminium windows	Putty	41	Yes	Non-Friable	Assumed to Contain Asbestos	Good	20 m ²	Sample unable to be collected without damaging window. Confirm presence of asbestos through sampling and laboratory analysis. OR Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
H-A01	External, eaves and awning soffits	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample S4 (Greencap 2014) & B00H-EXT-A02 (DP 2018)	External, undercloak verge lining	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample S8 (Greencap 2014)	Room R0002, floor	Vinyl sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample S8 (Greencap 2014)	Room R0003, floor	Vinyl sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample HR0005-A01 (DP 2018)	Room R0005, floor	Underlay to vinyl sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample S22 (Greencap 2014)	Room R0010, ceiling	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample S22 (Greencap 2014)	Room R0012, ceiling	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample HR0013-A01 (DP 2018)	Room R0013, ceiling	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Room R0014, electrical cabinet	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample HR0016-A01 (DP 2018)	Room R0016, ceiling hatch cover	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample HR0023-A01 (DP 2018)	Room R0023, ceiling	Fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Lead Containing Dust											
Refer sample HR0016-LD01 (DP 2018)	Room R0016, ceiling cavity	Accumulated dust	-	Yes	-	>0.5 mg/m ²	Poor	15 m ²	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample B00H-EXT- LP01 (DP 2018)	External, fascia	Cream paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample B00H-EXT- LP02 (DP 2018)	Door frame	Cream paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building H



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample HR0004-LP01 (DP 2018)	Room R0004, skirting boards	Black paint	-	-	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Room R0015, instant hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Room R0016, hot water system	Insulation core	42	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non- Friable	Assumed SMF	Good	550 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Building I



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Internal, wall cavities	Insulation	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Roof void	Insulation batts	-	Yes	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present within cavities. Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Air conditioning units	Internal insulation	-	No	Non-Friable	Assumed SMF	Unknown	Unknown	Material assumed to be present. Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
No Asbestos Containing Materials were identified at the time of inspection									-	25/1/2019 JBS&G SL	
No Asbestos Detected (NAD)											
Refer sample D17720-A02 (DP 2018)	Bush Campus, D17720, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D17720-A01 (DP 2018)	Bush Campus, D17720, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13660-A02 (DP 2018)	Bush Campus, D13660, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13660-A01 (DP 2018)	Bush Campus, D13660, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13658-A02 (DP 2018)	Bush Campus, D13658, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13658-A01 (DP 2018)	Bush Campus, D13658, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12256-A01 (DP 2018)	Bush Campus, D12256, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12256-A01 (DP 2018)	Bush Campus, D12256, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13707-A01 (DP 2018)	Bush Campus, D13707, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D13707-A01 (DP 2018)	Bush Campus, D13707, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11574-A01 (DP 2018)	Bush Campus, D11574, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11574-A01 (DP 2018)	Bush Campus, D11574, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11414-A01 (DP 2018)	Bush Campus, D11414, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11414-A01 (DP 2018)	Bush Campus, D11414, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14296-A01 (DP 2018)	Bush Campus, D14296, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14296-A01 (DP 2018)	Bush Campus, D14296, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11597-A01 (DP 2018)	Bush Campus, D11597, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11597-A01 (DP 2018)	Bush Campus, D11597, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12480-A02 (DP 2018)	Bush Campus, D12480, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12480-A01 (DP 2018)	Bush Campus, D12480, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D13935-A01 (DP 2018)	Bush Campus, D13935, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13935-A01 (DP 2018)	Bush Campus, D13935, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12480-A02 (DP 2018)	Bush Campus, D12287, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13935-A01 (DP 2018)	Bush Campus, D12287, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15255-A01 (DP 2018)	Bush Campus, D15255, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15255-A02 (DP 2018)	Bush Campus, D15255, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16633-A01 (DP 2018)	Bush Campus, D16633, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16633-A02 (DP 2018)	Bush Campus, D16633, walls	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16633-A03 (DP 2018)	Bush Campus, D16633, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Bush Campus, D16633, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16101-A03 (DP 2018)	Bush Campus, D16101, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D16101-A01 (DP 2018)	Bush Campus, D16101, partitions	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16101-A02 (DP 2018)	Bush Campus, D16101, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Bush Campus, D16101, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16101-A03 (DP 2018)	Bush Campus, D11041, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11041-A01 (DP 2018)	Bush Campus, D11041, partitions	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11041-A02 (DP 2018)	Bush Campus, D11041, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Bush Campus, D11041, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15870-A03 (DP 2018)	Bush Campus, D15870, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15870-A01 (DP 2018)	Bush Campus, D15870, partitions	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15870-A02 (DP 2018)	Bush Campus, D15870, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Bush Campus, D15870, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D18028-A01 (DP 2018)	Bush Campus, D18028, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D18028-A01 (DP 2018)	Bush Campus, D18028, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Bush Campus, D18028, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14175-A02 (DP 2018)	Bush Campus, D14175, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14175-A01 (DP 2018)	Bush Campus, D14175, partitions	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14175-A03 (DP 2018)	Bush Campus, D14175, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-A01 (DP 2018)	Bush Campus, D11144, reception ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-A02 (DP 2018)	Bush Campus, D11144, first aid room ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-A01 & D11144-A02 (DP 2018)	Bush Campus, D11144, internal ceilings	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-A03 (DP 2018)	Bush Campus, D11144, external, east and west landing	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-A04 (DP 2018)	Bush Campus, D11144, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D11144-SF- A01 (DP 2018)	Bush Campus, D11144, subfloor	fibre cement sheeting debris	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10430-A01 (DP 2018)	Main Campus, D10430, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10430-A01 (DP 2018)	Main Campus, D10430, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10430-A02 (DP 2018)	Main Campus, D10430, external landing	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Main Campus, D10430, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15613-A01 (DP 2018)	Main Campus, D15613, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15613-A01 (DP 2018)	Main Campus, D15613, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Main Campus, D15613, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D18307-A01 (DP 2018)	Main Campus, D18307, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D18307-A01 (DP 2018)	Main Campus, D18307, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D18307-A02 (DP 2018)	Main Campus, D18307, walls	Particle board	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Main Campus, D18307, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10979-A01 (DP 2018)	Main Campus, D10979, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10979-A01 (DP 2018)	Main Campus, D10979, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Main Campus, D10979, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D17407-A01 (DP 2018)	Main Campus, D17407, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D17407-A01 (DP 2018)	Main Campus, D17407, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Main Campus, D17407, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11415-A01 (DP 2018)	Main Campus, D11415, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11415-A01 (DP 2018)	Main Campus, D11415, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Main Campus, D11415, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10622-A01 (DP 2018)	Main Campus, D10622, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D10622-A01 (DP 2018)	Main Campus, D10622, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Main Campus, D10622, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D05603-A01 (DP 2018)	Main Campus, D12796, eaves	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D05603-A01 (DP 2018)	Main Campus, D12796, ceiling	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D05603-A02 (DP 2018)	Main Campus, D12796, stair treads and landing	fibre cement sheeting	-	Yes	-	No Asbestos Detected	-	-	No further action required	25/1/2019 JBS&G SL	
-	Main Campus, D12796, electrical panel	Internal components	-	Yes	-	Not suspected to contain asbestos	-	-	No further action required	25/1/2019 JBS&G SL	
Lead Containing Dust											
Refer sample D13660-LD01 (DP 2018)	Bush Campus, D13660, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13658-LD01 (DP 2018)	Bush Campus, D13658, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12256-LD01 (DP 2018)	Bush Campus, D12256, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13707-LD01 (DP 2018)	Bush Campus, D13707, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D11574-LD01 (DP 2018)	Bush Campus, D11574, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14296-LD01 (DP 2018)	Bush Campus, D14296, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12480-LD01 (DP 2018)	Bush Campus, D12480, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12287-LD01 (DP 2018)	Bush Campus, D12287, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15255-LD01 (DP 2018)	Bush Campus, D15255, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-LD01 (DP 2018)	Bush Campus, D11144, roof void	Accumulated dust	-	Yes	-	>0.5 mg/m ²	-	-	Remove prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Refer sample D10430-LD01 (DP 2018)	Main Campus, D10430, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15613-LD01 (DP 2018)	Main Campus, D15613, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D18307-LD01 (DP 2018)	Main Campus, D18307, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10979-LD01 (DP 2018)	Main Campus, D10979, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D17407-LD01 (DP 2018)	Main Campus, D17407, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D11415-LD01 (DP 2018)	Main Campus, D11415, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10622-LD01 (DP 2018)	Main Campus, D10622, roof void	Accumulated dust	-	Yes	-	<0.5 mg/m ²	-	-	No further action required	25/1/2019 JBS&G SL	
Lead Based Paints											
No Lead Based Paints were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Non-Lead Based Paints											
Refer sample D17720-LP02 (DP 2018)	Bush Campus, D17720, ceiling	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D17720-LP01 (DP 2018)	Bush Campus, D17720, window frame	Pale blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13660-LP02 (DP 2018)	Bush Campus, D13660, ceiling	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13660-LP01 (DP 2018)	Bush Campus, D13660, window frame	Pale blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13658-LP02 (DP 2018)	Bush Campus, D13658, ceiling	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13658-LP01 (DP 2018)	Bush Campus, D13658, wall	Orange paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12256-LP02 (DP 2018)	Bush Campus, D12256, external wall	Pale brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D12256-LP01 (DP 2018)	Bush Campus, D12256, fascia	Dark grey paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13707-LP02 (DP 2018)	Bush Campus, D13707, ceiling	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13707-LP01 (DP 2018)	Bush Campus, D13707, window frame	Pale blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11574-LP02 (DP 2018)	Bush Campus, D11574, external wall	Pale brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11574-LP01 (DP 2018)	Bush Campus, D11574, window frame	Pale blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11414-LP01 (DP 2018)	Bush Campus, D11414, fascia	Grey paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11414-LP01 (DP 2018)	Bush Campus, D11414, wall	Orange paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14296-LP01 (DP 2018)	Bush Campus, D14296, wall	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14296-LP02 (DP 2018)	Bush Campus, D14296, external wall	Pale brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11597-LP01 (DP 2018)	Bush Campus, D11597, ceiling	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11597-LP02 (DP 2018)	Bush Campus, D11597, fascia	Grey paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D12480-LP01 (DP 2018)	Bush Campus, D12480, internal	Paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12480-LP02 (DP 2018)	Bush Campus, D12480, external	Paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13935-LP01 (DP 2018)	Bush Campus, D13935, external wall	Pale brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D13935-LP02 (DP 2018)	Bush Campus, D13935, wall	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D12287-LP01 (DP 2018)	Bush Campus, D12287, wall	Orange paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15255-LP01 (DP 2018)	Bush Campus, D15255, external	Grey paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15255-LP02 (DP 2018)	Bush Campus, D15255, wall	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16633-LP01 (DP 2018)	Bush Campus, D16633, wall	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16633-LP02 (DP 2018)	Bush Campus, D16633, wall	Yellow paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16101-LP01 (DP 2018)	Bush Campus, D16101, internal wall	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D16101-LP02 (DP 2018)	Bush Campus, D16101, external wall	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D11041-LP01 (DP 2018)	Bush Campus, D11041, internal wall	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11041-LP02 (DP 2018)	Bush Campus, D11041, external wall	Pale brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15870-LP01 (DP 2018)	Bush Campus, D15870, internal wall	Pale brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15870-LP02 (DP 2018)	Bush Campus, D15870, external wall	White paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D18028-LP01 (DP 2018)	Bush Campus, D18028, door frame	Pale brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14175-LP01 (DP 2018)	Bush Campus, D14175, external wall	Pale brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D14175-LP02 (DP 2018)	Bush Campus, D14175, internal wall	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-LP01 (DP 2018)	Bush Campus, D11144, corridor wall	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-LP02 (DP 2018)	Bush Campus, D11144, entrance wall	Dark blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-LP03 (DP 2018)	Bush Campus, D11144, external wall	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11144-LP04 (DP 2018)	Bush Campus, D11144, external wall frame	brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Refer sample D10430-LP01 (DP 2018)	Main Campus, D10430, window frame	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D15613-LP01 (DP 2018)	Main Campus, D15613, external wall	Light brown paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D18307-LP01 (DP 2018)	Main Campus, D18307, window frame	Paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10979-LP01 (DP 2018)	Main Campus, D10979, window frame	Cream paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10979-LP02 (DP 2018)	Main Campus, D10979, external handrail	Grey paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D17407-LP01 (DP 2018)	Main Campus, D17407, external wall	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D11415-LP01 (DP 2018)	Main Campus, D11414, internal wall	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D10622-LP01 (DP 2018)	Main Campus, D10622, window frame	Blue paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D05603-LP01 (DP 2018)	Main Campus, D12796, door	Red paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Refer sample D05603-LP02 (DP 2018)	Main Campus, D12796, internal wall	Beige paint	-	Yes	-	<0.1% w/w	-	-	No further action required	25/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
No PCB containing materials were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Bush Campus, D17720, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D17720, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D13660, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D13660, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D13658, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D13658, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D12256, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D12256, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D13707, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Bush Campus, D13707, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11574, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11574, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11414, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11414, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D14296, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D14296, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11597, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11597, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D12480, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D12480, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Bush Campus, D13935, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D13935, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D12287, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D12287, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D15255, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D15255, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D16633, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D16101, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11041, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D15870, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D18028, hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Bush Campus, D18028, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D14175, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11144, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11144, instant hot water system	Insulation core	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11144, wall cavities	insulation	-	No	Non- Friable	Assumed SMF	Good	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, D11144, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D10430, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D10430, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D15613, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D15613, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D18307, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
Demountable Structures



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Main Campus, D18307, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D10979, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D10979, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D17407, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D17407, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D11415, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D11415, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D10622, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D10622, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D12796, roof void	insulation	-	No	Non- Friable	Assumed SMF	Good	90 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, D12796, air conditioning unit	Internal insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
General Site



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
Asbestos Containing Materials (ACM)											
Refer sample BC-EXT-A01 (DP 2018)	Bush Campus, subfloor areas	Fibre cement sheet debris	-	Yes	Non- Friable	Asbestos Detected	Poor	Unknown	Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWA 2018a	25/1/2019 JBS&G SL	
Lead Based Paints											
Refer sample SS-LP01 (DP 2018)	Main Campus, SS1	Beige paint	-	Yes	-	>0.1% w/w	Fair	40 m ²	Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor with the remaining paint stabilised in accordance with AS4361.2-2017. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017.	25/1/2019 JBS&G SL	
Non-Lead Based Paints											
-	Main Campus, SS2	Paint	-	-	-	Assumed <0.1% w/w	-	-	Shade structure built in 2010. No further action required	25/1/2019 JBS&G SL	
Polychlorinated Biphenyls (PCBs)											
No PCB containing materials were identified at the time of inspection									-	25/1/2019 JBS&G SL	
Synthetic Mineral Fibres (SMF)											
-	Main Campus, SS1	Fibreglass roof sheeting	-	No	Non- Friable	Assumed SMF	Good	10 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Hazardous Materials Register (Rev 0)
Chatswood Public School
5 Centennial Avenue, Chatswood, NSW
General Site



JBS&G SAMPLE NO.	LOCATION	MATERIAL DESCRIPTION	PHOTO NUMBER	ACCESSIBLE AREA?	FRIABILITY	ANALYTICAL RESULT	MATERIAL CONDITION	APPROX. QUANTITY	ACTION REQUIRED	DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS)	DATE OF CONTROL ACTION &/OR REMOVAL
-	Main Campus, SS2	Fibreglass roof sheeting	-	No	Non- Friable	Assumed SMF	Good	10 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Main Campus, CW2	Roof insulation	-	No	Non- Friable	Assumed SMF	Unknown	Unknown	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	
-	Bush Campus, CW1	Fibreglass roof sheeting	-	No	Non- Friable	Assumed SMF	Good	10 m ²	Remove in accordance with NOHSC:2006 (1990).	25/1/2019 JBS&G SL	

Appendix B Photographs



Photo 1: Building A, asbestos containing green vinyl floor tiles to Room R0001



Photo 2: Building A, asbestos containing beige vinyl floor tiles to Room R0010



Photo 3: Building A, asbestos containing mustard vinyl floor tiles to Room R0031



Photo 4: Building A, asbestos containing green vinyl floor tiles to Room R1003



Photo 5: Building A, asbestos containing brown vinyl floor tiles to Room R1007



Photo 6: Building A, asbestos containing orange vinyl floor tiles to Room R1012

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Source:			
0	Original Issue -	SL	14/02/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood Public School HBMS

Job No: 55579

File Name: R04 App B - Photo Log



Photo 7: Building A, asbestos containing fibre cement cubicle partitions to Room R0023



Photo 8: Building A, asbestos containing fibre cement sheeting to western wall of Room R0031



Photo 9: Building A, asbestos containing fibre cement sheeting to western wall of Room R1018



Photo 10: Building A, asbestos containing fibre cement cubicle partitions to Room R1005



Photo 11: Building A, asbestos containing fibre cement chimney flue pipe in roof void



Photo 12: Building A, suspected asbestos containing fibre cement eaves

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Source:			
0	Original Issue -	SL	14/02/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood Public School HBMS

Job No: 55579

File Name: R04 App B - Photo Log



Photo 13: Building A, asbestos containing fibre cement eaves to R0022 and R0044



Photo 14: Building A, asbestos containing fibre cement sheeting to south gable



Photo 15: Building A, lead containing dust to air conditioning loft in Room R0031



Photo 16: Building A, lead containing dust within roof void



Photo 17: Building A, lead based cream paint to timber cladding and lead based tan paint to windows



Photo 18: Building A, lead based green/orange paint to walls of Room R1012

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Source:			
0	Original Issue -	SL	14/02/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood Public School HBMS

Job No: 55579

File Name: R04 App B - Photo Log



Photo 19: Building A, lead based green paint to stair handrail in Room R1020



Photo 20: Building A, suspected internal SMF insulation to air conditioning units



Photo 21: Building A, suspected SMF insulation core to instant hot water system in Room R0001



Photo 22: Building A, suspected SMF insulation to roof sarking



Photo 23: Building A, suspected SMF insulation lagging to air conditioning ducting



Photo 24: Building B, asbestos containing green vinyl floor tiles to Room R0003

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Source:			
0	Original Issue -	SL	14/02/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood Public School HBMS

Job No: 55579

File Name: R04 App B - Photo Log



Photo 25: Building B, asbestos containing olive vinyl floor tiles to Room R1007



Photo 26: Building B, asbestos containing grey vinyl floor tiles to Room R1015



Photo 27: Building B, asbestos containing fibre cement cubicle partitions to Room R0004



Photo 28: Building B, asbestos containing fibre cement cubicle partitions to Room R1003



Photo 29: Building B, lead based white paint to windows in Room R0008



Photo 30: Building B, lead based white paint to windows in Room R1005

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Source:			
0	Original Issue -	SL	14/02/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood Public School HBMS

Job No: 55579

File Name: R04 App B - Photo Log



Photo 31: Building B, lead based beige paint to walls of Room R1017



Photo 32: Building B, suspected internal SMF insulation to air conditioning units



Photo 33: Building C, asbestos containing fibre cement sheeting to Room R0001 ceiling (external soffit)



Photo 34: Building C, asbestos containing bituminous pad under sink in Room R0004



Photo 35: Building C, asbestos containing fibre cement sheeting to electrical panel in Room R0011



Photo 36: Building C, asbestos containing fibre cement eaves

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Source:			
0	Original Issue -	SL	14/02/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood Public School HBMS

Job No: 55579

File Name: R04 App B - Photo Log



Photo 37: Building C, lead containing dust to Room R0015



Photo 38: Building C, suspected SMF insulation core to hot water system in Room R0010



Photo 39: Building C, suspected SMF insulation throughout roof void



Photo 40: Building C, suspected SMF insulation debris throughout internal areas



Photo 41: Building H, assumed asbestos containing putty to aluminium windows



Photo 42: Building H, suspected SMF insulation core to hot water system in Room R0016

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Source:			
0	Original Issue -	SL	14/02/2019
Rev	Description	Drn.	Date



Appendix B: Photographs

Client: Pells Sullivan Meynink

Project: Chatswood Public School HBMS

Job No: 55579

File Name: R04 App B - Photo Log

Appendix C Laboratory Analysis Reports and Chain of Custody Documentation

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000



NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025-Testing
 The results of the tests, calibrations and/or
 measurements included in this document are traceable
 to Australian/national standards.

Attention: Stuart Lumsden
Report 637784-AID
Project Name CHATSWOOD PS
Project ID 55579
Received Date Jan 25, 2019
Date Reported Feb 01, 2019

Methodology:

Asbestos Fibre
 Identification

Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques.

NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.

Unknown Mineral
 Fibres

Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity.

NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.

Subsampling Soil
 Samples

The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed.

NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.

Bonded asbestos-
 containing material
 (ACM)

The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 4964 - 2004.

NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.

Limit of Reporting

The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w).

The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk).

NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.

Project Name CHATSWOOD PS
Project ID 55579
Date Sampled Jan 25, 2019
Report 637784-AID

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
A-A01	19-Ja23829	Jan 25, 2019	Approximate Sample 18g / 50x20x2mm Sample consisted of: Blue vinyl floor tile fragments	Chrysotile asbestos detected.
A-A02	19-Ja23830	Jan 25, 2019	Approximate Sample 4g / 60x35x2mm Sample consisted of: Brown flexible vinyl sheet	No asbestos detected. Synthetic mineral fibre detected. No respirable fibres detected.
A-A03	19-Ja23831	Jan 25, 2019	Approximate Sample 11g / 50x40x2mm Sample consisted of: Brown vinyl floor tile fragments	Chrysotile asbestos detected.
A-A04	19-Ja23832	Jan 25, 2019	Approximate Sample <1g / 25x15x2mm Sample consisted of: Brown compressed fibrous material	No asbestos detected. Organic fibre detected. No respirable fibres detected.
A-A05	19-Ja23833	Jan 25, 2019	Approximate Sample 16g / 60x35x2mm Sample consisted of: Green vinyl floor tile	Chrysotile asbestos detected.
A-A06	19-Ja23834	Jan 25, 2019	Approximate Sample 2g / 25x15x2mm Sample consisted of: a: Blue soft vinyl floor tile b: Organic fibrous backing	No asbestos detected. No respirable fibres detected.
A-A07	19-Ja23835	Jan 25, 2019	Approximate Sample 6g / 45x35x2mm Sample consisted of: Beige vinyl sheet	No asbestos detected. No respirable fibres detected.
A-A08	19-Ja23836	Jan 25, 2019	Approximate Sample <1g / 20x10x2mm Sample consisted of: Grey compressed fibre cement fragments	Chrysotile asbestos detected.

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
A-A09	19-Ja23837	Jan 25, 2019	Approximate Sample 2g / 40x20x3mm Sample consisted of: Beige fibre plaster cement	No asbestos detected. Organic fibre detected. No respirable fibres detected.
A-A10	19-Ja23838	Jan 25, 2019	Approximate Sample 3g / 20x10x2mm Sample consisted of: White vinyl floor tile fragments	Chrysotile asbestos detected.
A-A11	19-Ja23839	Jan 25, 2019	Approximate Sample 7g / 60x15x7mm Sample consisted of: Grey compressed fibre cement fragment	Chrysotile asbestos detected.
A-A12	19-Ja23840	Jan 25, 2019	Approximate Sample 9g / 40x25x2mm Sample consisted of: a: Green vinyl floor tile b: Bituminous backing	Chrysotile asbestos detected (a). Organic fibre detected.
A-A13	19-Ja23841	Jan 25, 2019	Approximate Sample 12g / 50x30x2mm Sample consisted of: Red vinyl floor tile fragments	Chrysotile asbestos detected.
A-A14	19-Ja23842	Jan 25, 2019	Approximate Sample 28g / 70x40x2mm Sample consisted of: Yellow vinyl floor tile fragments	Chrysotile asbestos detected.
A-A15	19-Ja23843	Jan 25, 2019	Approximate Sample 8g / 40x20x7mm Sample consisted of: Grey fibre cement material	Chrysotile asbestos detected.
A-A16	19-Ja23844	Jan 25, 2019	Approximate Sample 3g / 20x20x5mm Sample consisted of: Beige mastic material	No asbestos detected. No respirable fibres detected.
A-AD01	19-Ja23845	Jan 25, 2019	Approximate Sample 2g Sample consisted of: Mixture of dust particles, sand, fragments of corroded metal, wood chips, glass and cement	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
A-AD02	19-Ja23846	Jan 25, 2019	Approximate Sample 1g Sample consisted of: Mixture of dust particles, powder of plaster, wood chips, organic material and sand	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
A-AD03	19-Ja23847	Jan 25, 2019	Approximate Sample 2g Sample consisted of: Grey powder of plaster	No asbestos detected at the reporting limit of 0.01% w/w. Synthetic mineral fibre detected. Organic fibre detected. No respirable fibres detected.
B-A01	19-Ja23852	Jan 25, 2019	Approximate Sample 13g / 60x35x2mm Sample consisted of: a: Grey vinyl floor tile b: Bituminous material attached	Chrysotile asbestos detected (a).
B-A02	19-Ja23853	Jan 25, 2019	Approximate Sample 13g / 40x20x2mm Sample consisted of: a: Green vinyl floor tile b: Bituminous material attached	Chrysotile asbestos detected (a).

Client Sample ID	Eurofins mgt Sample No.	Date Sampled	Sample Description	Result
B-A03	19-Ja23854	Jan 25, 2019	Approximate Sample 19g / 100x25x2mm Sample consisted of: a: Green flexible vinyl sheet b: Yellow glue attached	No asbestos detected. Synthetic mineral fibre detected. Organic fibre detected. No respirable fibres detected.
B-A04	19-Ja23855	Jan 25, 2019	Approximate Sample <1g / 20x10x2mm Sample consisted of: a: Grey fibre cement material b: Yellow/orange paint attached	Chrysotile asbestos detected (a).
B-A05	19-Ja23856	Jan 25, 2019	Approximate Sample 1g / 25x15x2mm Sample consisted of: Grey fibre plaster cement fragments	No asbestos detected. Organic fibre detected. No respirable fibres detected.
B-A06	19-Ja23857	Jan 25, 2019	Approximate Sample 23g / 90x50x2mm Sample consisted of: a: Grey vinyl floor tile b: Bituminous backing attached	Chrysotile asbestos detected (a).
B-A07	19-Ja23858	Jan 25, 2019	Approximate Sample 3g / 70x20x2mm Sample consisted of: a: Beige flexible vinyl sheet b: Yellow glue	No asbestos detected. Synthetic mineral fibre detected. No respirable fibres detected.
B-A08	19-Ja23859	Jan 25, 2019	Approximate Sample 6g / 40x8x4mm Sample consisted of: a: Beige mastic material b: Paint attached	No asbestos detected. No respirable fibres detected.
C-A01	19-Ja23860	Jan 25, 2019	Approximate Sample 3g / 70x30x2mm Sample consisted of: Brown vinyl sheet	No asbestos detected. Synthetic mineral fibre detected. No respirable fibres detected.
C-A02	19-Ja23861	Jan 25, 2019	Approximate Sample 2g / 30x15x2mm Sample consisted of: a: Grey fibre cement material b: Yellow paint attached	Chrysotile and amosite asbestos detected (a).
C-AD01	19-Ja23862	Jan 25, 2019	Approximate Sample 3g Sample consisted of: Mixture of dust particles, paint flakes, organic matter, plaster, plastic-like material and char like material	No asbestos detected at the reporting limit of 0.01% w/w. Synthetic mineral fibre detected. Organic fibre detected. No respirable fibres detected.
C-AD02	19-Ja23863	Jan 25, 2019	Approximate Sample 2g Sample consisted of: Mixture of dust particles, organic matter, sand and soft fibrous fragments	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No respirable fibres detected.
H-A01	19-Ja23866	Jan 25, 2019	Approximate Sample 7g / 60x20x7mm Sample consisted of: Grey fibre plaster cement	No asbestos detected. Organic fibre detected. No respirable fibres detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Jan 29, 2019	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Jan 29, 2019	Indefinite

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000
Project Name: CHATSWOOD PS
Project ID: 55579

Order No.:
Report #: 637784
Phone: 02 8245 0300
Fax:

Received: Jan 25, 2019 5:42 PM
Due: Feb 1, 2019
Priority: 5 Day
Contact Name: Stuart Lumsden

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
External Laboratory									
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	A-A01	Jan 25, 2019		Building Materials	S19-Ja23829		X		
2	A-A02	Jan 25, 2019		Building Materials	S19-Ja23830		X		
3	A-A03	Jan 25, 2019		Building Materials	S19-Ja23831		X		
4	A-A04	Jan 25, 2019		Building Materials	S19-Ja23832		X		
5	A-A05	Jan 25, 2019		Building Materials	S19-Ja23833		X		
6	A-A06	Jan 25, 2019		Building	S19-Ja23834		X		

Company Name: JBS & G Australia (NSW) P/L
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Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
7	A-A07	Jan 25, 2019		Building Materials	S19-Ja23835		X		
8	A-A08	Jan 25, 2019		Building Materials	S19-Ja23836		X		
9	A-A09	Jan 25, 2019		Building Materials	S19-Ja23837		X		
10	A-A10	Jan 25, 2019		Building Materials	S19-Ja23838		X		
11	A-A11	Jan 25, 2019		Building Materials	S19-Ja23839		X		
12	A-A12	Jan 25, 2019		Building Materials	S19-Ja23840		X		
13	A-A13	Jan 25, 2019		Building	S19-Ja23841		X		

Company Name: JBS & G Australia (NSW) P/L
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Priority: 5 Day
Contact Name: Stuart Lumsden

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
14	A-A14	Jan 25, 2019		Building Materials	S19-Ja23842		X		
15	A-A15	Jan 25, 2019		Building Materials	S19-Ja23843		X		
16	A-A16	Jan 25, 2019		Building Materials	S19-Ja23844		X		
17	A-AD01	Jan 25, 2019		Dust	S19-Ja23845	X			
18	A-AD02	Jan 25, 2019		Dust	S19-Ja23846	X			
19	A-AD03	Jan 25, 2019		Dust	S19-Ja23847	X			
20	A-LD01	Jan 25, 2019		Dust	S19-Ja23848			X	
21	A-LD02	Jan 25, 2019		Dust	S19-Ja23849			X	
22	A-LD03	Jan 25, 2019		Dust	S19-Ja23850			X	

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000
Project Name: CHATSWOOD PS
Project ID: 55579

Order No.:
Report #: 637784
Phone: 02 8245 0300
Fax:

Received: Jan 25, 2019 5:42 PM
Due: Feb 1, 2019
Priority: 5 Day
Contact Name: Stuart Lumsden

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
23	A-LP01	Jan 25, 2019		Paint	S19-Ja23851				X
24	B-A01	Jan 25, 2019		Building Materials	S19-Ja23852		X		
25	B-A02	Jan 25, 2019		Building Materials	S19-Ja23853		X		
26	B-A03	Jan 25, 2019		Building Materials	S19-Ja23854		X		
27	B-A04	Jan 25, 2019		Building Materials	S19-Ja23855		X		
28	B-A05	Jan 25, 2019		Building Materials	S19-Ja23856		X		
29	B-A06	Jan 25, 2019		Building Materials	S19-Ja23857		X		
30	B-A07	Jan 25, 2019		Building	S19-Ja23858		X		

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
31	B-A08	Jan 25, 2019		Building Materials	S19-Ja23859		X		
32	C-A01	Jan 25, 2019		Building Materials	S19-Ja23860		X		
33	C-A02	Jan 25, 2019		Building Materials	S19-Ja23861		X		
34	C-AD01	Jan 25, 2019		Dust	S19-Ja23862	X			
35	C-AD02	Jan 25, 2019		Dust	S19-Ja23863	X			
36	C-LD01	Jan 25, 2019		Dust	S19-Ja23864			X	
37	C-LD02	Jan 25, 2019		Dust	S19-Ja23865			X	
38	H-A01	Jan 25, 2019		Building Materials	S19-Ja23866		X		

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Sample Detail	Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271				
Sydney Laboratory - NATA Site # 18217	X	X	X	X
Brisbane Laboratory - NATA Site # 20794				
Perth Laboratory - NATA Site # 23736				
Test Counts	5	27	5	1

Internal Quality Control Review and Glossary

General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w: weight for weight basis	grams per kilogram
Filter loading:	fibres/100 graticule areas
Reported Concentration:	fibres/mL
Flowrate:	L/min

Terms

Dry	Sample is dried by heating prior to analysis
LOR	Limit of Reporting
COC	Chain of Custody
SRA	Sample Receipt Advice
ISO	International Standards Organisation
AS	Australian Standards
WA DOH	Reference document for the NEPM. Government of Western Australia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia (2009), including supporting document Recommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)
NEPM	National Environment Protection (Assessment of Site Contamination) Measure, 2013 (as amended)
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded and/or sound condition. For the purposes of the NEPM, ACM is generally restricted to those materials that do not pass a 7mm x 7mm sieve.
AF	Asbestos Fines. Asbestos containing materials, including friable, weathered and bonded materials, able to pass a 7mm x 7mm sieve. Considered under the NEPM as equivalent to "non-bonded / friable".
FA	Fibrous Asbestos. Asbestos containing materials in a friable and/or severely weathered condition. For the purposes of the NEPM, FA is generally restricted to those materials that do not pass a 7mm x 7mm sieve.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess degree of friability.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres in the matrix.

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Chamath JHM Annakkage Senior Analyst-Asbestos (NSW)

Authorised by:

Sayeed Abu Senior Analyst-Asbestos (NSW)



Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000



NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

Attention: **Stuart Lumsden**

Report **637784-S**
Project name CHATSWOOD PS
Project ID 55579
Received Date Jan 25, 2019

Client Sample ID			A-LD01	A-LD02	A-LD03	A-LP01
Sample Matrix			Dust	Dust	Dust	Paint
Eurofins mgt Sample No.			S19-Ja23848	S19-Ja23849	S19-Ja23850	S19-Ja23851
Date Sampled			Jan 25, 2019	Jan 25, 2019	Jan 25, 2019	Jan 25, 2019
Test/Reference	LOR	Unit				
Lead (% w/w)	0.01	%	-	-	-	0.10
Heavy Metals						
Lead	5	mg/kg	660	620	1000	-

Client Sample ID			C-LD01	C-LD02
Sample Matrix			Dust	Dust
Eurofins mgt Sample No.			S19-Ja23864	S19-Ja23865
Date Sampled			Jan 25, 2019	Jan 25, 2019
Test/Reference	LOR	Unit		
Heavy Metals				
Lead	5	mg/kg	75	440

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Lead (% w/w)	Sydney	Jan 31, 2019	6 Month
- Method: E022.5 - ACID EXTRACTABLE METALS IN PAINT IN LIQUID AND POWDERED FORM BY ICP-MS ANALYSIS			
Heavy Metals	Sydney	Jan 31, 2019	180 Day
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			

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NSW 2000
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Project ID: 55579

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Phone: 02 8245 0300
Fax:

Received: Jan 25, 2019 5:42 PM
Due: Feb 1, 2019
Priority: 5 Day
Contact Name: Stuart Lumsden

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
External Laboratory									
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	A-A01	Jan 25, 2019		Building Materials	S19-Ja23829		X		
2	A-A02	Jan 25, 2019		Building Materials	S19-Ja23830		X		
3	A-A03	Jan 25, 2019		Building Materials	S19-Ja23831		X		
4	A-A04	Jan 25, 2019		Building Materials	S19-Ja23832		X		
5	A-A05	Jan 25, 2019		Building Materials	S19-Ja23833		X		
6	A-A06	Jan 25, 2019		Building	S19-Ja23834		X		

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
7	A-A07	Jan 25, 2019		Building Materials	S19-Ja23835		X		
8	A-A08	Jan 25, 2019		Building Materials	S19-Ja23836		X		
9	A-A09	Jan 25, 2019		Building Materials	S19-Ja23837		X		
10	A-A10	Jan 25, 2019		Building Materials	S19-Ja23838		X		
11	A-A11	Jan 25, 2019		Building Materials	S19-Ja23839		X		
12	A-A12	Jan 25, 2019		Building Materials	S19-Ja23840		X		
13	A-A13	Jan 25, 2019		Building	S19-Ja23841		X		

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
14	A-A14	Jan 25, 2019		Building Materials	S19-Ja23842		X		
15	A-A15	Jan 25, 2019		Building Materials	S19-Ja23843		X		
16	A-A16	Jan 25, 2019		Building Materials	S19-Ja23844		X		
17	A-AD01	Jan 25, 2019		Dust	S19-Ja23845	X			
18	A-AD02	Jan 25, 2019		Dust	S19-Ja23846	X			
19	A-AD03	Jan 25, 2019		Dust	S19-Ja23847	X			
20	A-LD01	Jan 25, 2019		Dust	S19-Ja23848			X	
21	A-LD02	Jan 25, 2019		Dust	S19-Ja23849			X	
22	A-LD03	Jan 25, 2019		Dust	S19-Ja23850			X	

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Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
23	A-LP01	Jan 25, 2019		Paint	S19-Ja23851				X
24	B-A01	Jan 25, 2019		Building Materials	S19-Ja23852		X		
25	B-A02	Jan 25, 2019		Building Materials	S19-Ja23853		X		
26	B-A03	Jan 25, 2019		Building Materials	S19-Ja23854		X		
27	B-A04	Jan 25, 2019		Building Materials	S19-Ja23855		X		
28	B-A05	Jan 25, 2019		Building Materials	S19-Ja23856		X		
29	B-A06	Jan 25, 2019		Building Materials	S19-Ja23857		X		
30	B-A07	Jan 25, 2019		Building	S19-Ja23858		X		

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Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
				Materials					
31	B-A08	Jan 25, 2019		Building Materials	S19-Ja23859		X		
32	C-A01	Jan 25, 2019		Building Materials	S19-Ja23860		X		
33	C-A02	Jan 25, 2019		Building Materials	S19-Ja23861		X		
34	C-AD01	Jan 25, 2019		Dust	S19-Ja23862	X			
35	C-AD02	Jan 25, 2019		Dust	S19-Ja23863	X			
36	C-LD01	Jan 25, 2019		Dust	S19-Ja23864			X	
37	C-LD02	Jan 25, 2019		Dust	S19-Ja23865			X	
38	H-A01	Jan 25, 2019		Building Materials	S19-Ja23866		X		

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Sample Detail	Asbestos - AS4964	Asbestos Absence / Presence	Lead	Lead (% w/w)
Melbourne Laboratory - NATA Site # 1254 & 14271				
Sydney Laboratory - NATA Site # 18217	X	X	X	X
Brisbane Laboratory - NATA Site # 20794				
Perth Laboratory - NATA Site # 23736				
Test Counts	5	27	5	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure, April 2011 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per kilogram

mg/L: milligrams per litre

ug/L: micrograms per litre

ppm: Parts per million

ppb: Parts per billion

%: Percentage

org/100mL: Organisms per 100 millilitres

NTU: Nephelometric Turbidity Units

MPN/100mL: Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery.
CRM	Certified Reference Material - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	US Department of Defense Quality Systems Manual Version 5.2 2018
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 50-150%-Phenols & PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.2 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test				Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank										
Heavy Metals										
Lead				mg/kg	< 5			5	Pass	
LCS - % Recovery										
Heavy Metals										
Lead				%	114			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1				Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery										
Heavy Metals										
Lead					Result 1					
Lead				S19-Ja22112	NCP	%		112	70-130	Pass
Test	Lab Sample ID	QA Source	Units	Result 1				Acceptance Limits	Pass Limits	Qualifying Code
Duplicate										
Heavy Metals										
Lead					Result 1	Result 2	RPD			
Lead				S19-Ja22111	NCP	mg/kg		< 5	< 5	<1
								30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Nibha Vaidya	Analytical Services Manager
Gabriele Cordero	Senior Analyst-Metal (NSW)
Nibha Vaidya	Senior Analyst-Asbestos (NSW)



Glenn Jackson

General Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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0	Stuart Lumsden	Michael Samuel	Michael Samuel		19/2/2019

