
Appendix C

Historical Aerial Photographs

Historical Title Deeds

Section 149 Planning Certificates

NSW SafeWork Search Results, Council Records



CLIENT: GHD Pty Ltd

OFFICE: Sydney

DATE: 19 Jun 2017

Historical Photograph - 1930

Proposed New School

120-126 Hezlett Road, North Kellyville

PROJECT No: 85998.01

DWG No: C1

REVISION: 0



 Approximate Site Boundary

 Douglas Partners <i>Geotechnics Environment Groundwater</i>	CLIENT: GHD Pty Ltd	Historical Photograph - 1961 Proposed New School 120-126 Hezlett Road, North Kellyville	PROJECT No: 85998.01
	OFFICE: Sydney		DWG No: C2
	DATE: 19 Jun 2017		REVISION: 0



 Approximate Site Boundary



 Douglas Partners <i>Geotechnics Environment Groundwater</i>	CLIENT: GHD Pty Ltd	Historical Photograph - 1970 Proposed New School 120-126 Hezlett Road, North Kellyville	PROJECT No: 85998.01
	OFFICE: Sydney		DWG No: C3
	DATE: 19 Jun 2017		REVISION: 0



 Approximate Site Boundary



 Douglas Partners <i>Geotechnics Environment Groundwater</i>	CLIENT: GHD Pty Ltd	Historical Photograph - 1986 Proposed New School 120-126 Hezlett Road, North Kellyville	PROJECT No: 85998.01
	OFFICE: Sydney		DWG No: C4
	DATE: 19 Jun 2017		REVISION: 0



CLIENT: GHD Pty Ltd

OFFICE: Sydney

DATE: 19 Jun 2017

Historical Photograph - 1991

Proposed New School

120-126 Hezlett Road, North Kellyville

PROJECT No: 85998.01

DWG No: C5

REVISION: 0



 Approximate Site Boundary



 Douglas Partners <i>Geotechnics Environment Groundwater</i>	CLIENT: GHD Pty Ltd	Historical Photograph - 1994 Proposed New School 120-126 Hezlett Road, North Kellyville	PROJECT No: 85998.01
	OFFICE: Sydney		DWG No: C6
	DATE: 19 Jun 2017		REVISION: 0



Approximate Site Boundary



Douglas Partners
Geotechnics | Environment | Groundwater

CLIENT: GHD Pty Ltd

OFFICE: Sydney

DATE: 19 Jun 2017

Historical Photograph - 2005

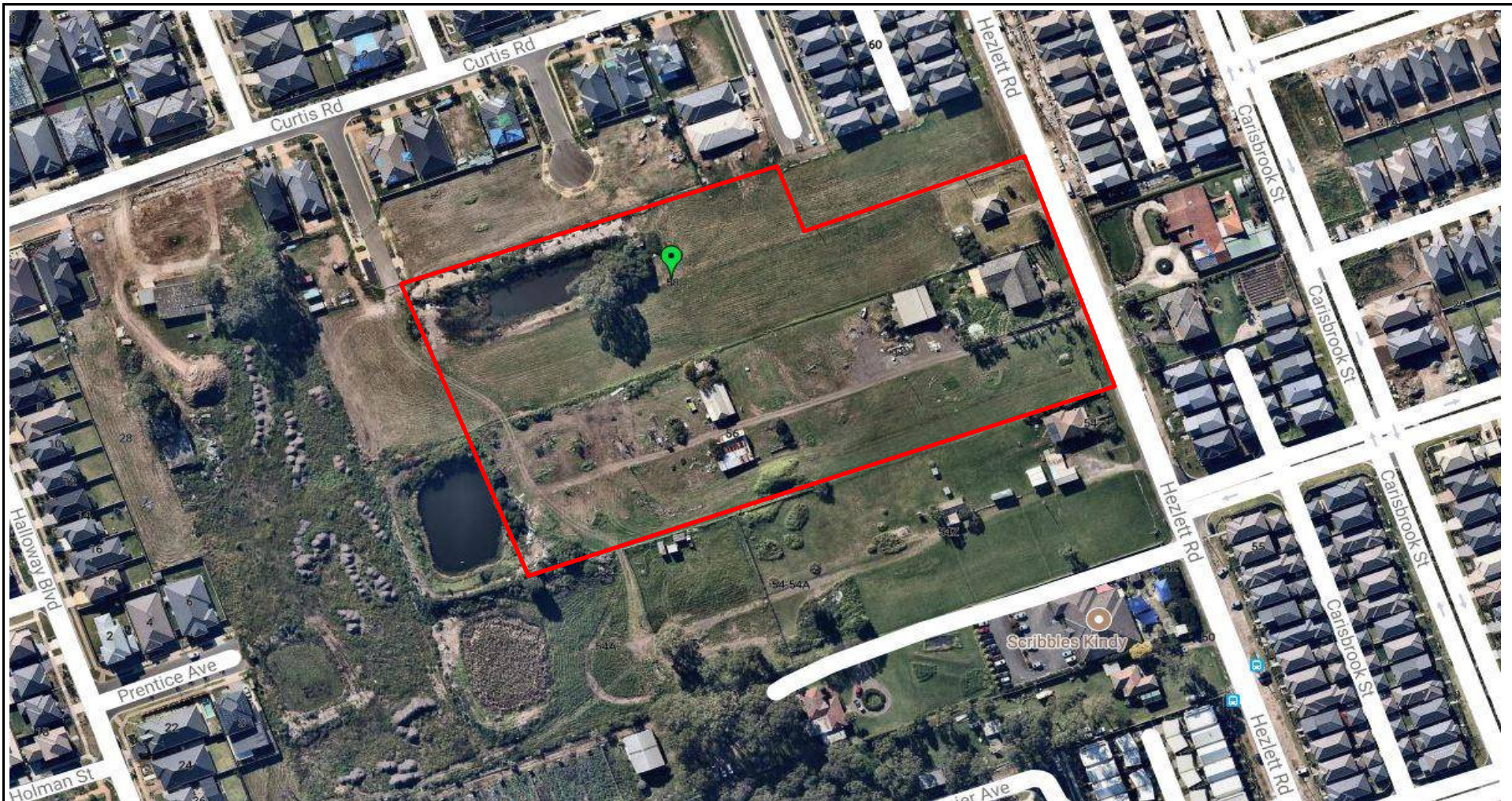
Proposed New School

120-126 Hezlett Road, North Kellyville

PROJECT No: 85998.01

DWG No: C7

REVISION: 0



Approximate Site Boundary



CLIENT: GHD Pty Ltd

OFFICE: Sydney

DATE: 19 Jun 2017

Historical Photograph - 2017

Proposed New School

120-126 Hezlett Road, North Kellyville

PROJECT No: 85998.01

DWG No: C8

REVISION: 0

ABN: 42 166 543 255
Ph: 02 9099 7400
Fax: 02 9232 7141
(Ph: 0412 199 304)

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

Summary of Owners Report

LPI

Sydney

Address: - Hezlett Road, Kellyville

Description: - Lots 100 and 101 D.P. 1216659

As regards the whole of the subject lands

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
28.08.1888 (1888 to 1927 – as regards the parts numbered 1 & 3 on the attached cadastre) 11.03.1890 (1890 to 1927) (1888 to 1927 – as regards the parts numbered 2 & 4 on the attached cadastre)	John Stranger (Orchardist)	Vol 894 Fol 111 & Vol 894 Fol 111
08.09.1927 (1927 to 1927)	Leslie Stranger (Orchardist) Elihu Stranger (Orchardist) (Transmission Application not investigated)	Vol 894 Fol 111 & Vol 894 Fol 111
21.10.1927 (1927 to 1927)	Gladys May Stranger (No occupation noted) Daisy Elizabeth Lill (No occupation noted) Dulcie Ann Stranger (No occupation noted)	Vol 894 Fol 111 & Vol 894 Fol 111
21.10.1927 (1937 to 1946)	John Victor Carl Bye (Builder) Edith Annie Bye (Married Woman)	Vol 894 Fol 111 & Vol 894 Fol 111
21.05.1946 (1946 to 1955)	Harold Leslie Worthing (Farmer)	Vol 894 Fol 111 & Vol 894 Fol 111
09.09.1955 (1955 to 1955)	Alice Ursula Worthing (Widow) (Transmission Application not investigated)	Vol 894 Fol 111 & Vol 894 Fol 111

Leases: -

J 28.07.1939 to Harold Leslie Worthing (Farmer) – expired 28.06.1946

Search continued as regards the parts tinted yellow and numbered (1) and (2) on the attached cadastre

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
20.09.1955 (1955 to 1956)	Joan Naughton (Married Woman)	Vol 894 Fol 111 & Vol 894 Fol 111 Now Vol 7173 Fol 16
02.02.1956 (1956 to 1956)	Thomas George Maughan (Grocer)	Vol 7173 Fol 16 Now Vol 7207 Fol 177
14.12.1956 (1956 to 1959)	Peter Paul Camilleri (Farmer) Reno Camilleri (Farmer)	Vol 7207 Fol 177 Now Vol 7232 Fol's 28 & 29

ABN: 42 166 543 255
Ph: 02 9099 7400
Fax: 02 9232 7141
(Ph: 0412 199 304)

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

Search continued as regards the parts tinted yellow and numbered (1) and (2) on the attached cadastre

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
06.10.1959 (1959 to 1963)	Reno Camilleri (Farmer, now Market Gardener)	Vol 7232 Fol's 28 & 29 Now Vol 7805 Fol 69
15.11.1963 (1963 to 1966)	Charlie Bugeja (Factory Worker) Philomena Bugeja (Married Woman)	Vol 7805 Fol 69
09.06.1966 (1966 to 2014)	Zaren Bugeja (Market Gardener) Rose Bugeja (Married Woman)	Vol 7805 Fol 69 Now 3/27031
14.07.2014 (2014 to date)	# Minister for Education	3/27031 Now 100/1216659 & 101/1216659

Denotes Current Registered Proprietor

Search continued as regards the parts tinted yellow and numbered (3) and (4) on the attached cadastre

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
20.09.1955 (1955 to 1956)	Joan Naughton (Married Woman)	Vol 894 Fol 111 & Vol 894 Fol 111 Now Vol 7173 Fol 16
01.06.1956 (1956 to 2003)	Paul Vello (Market Gardener) Now Paul Vella	Vol 7173 Fol 16 Now 2/27031
27.06.2003 (2003 to 2013)	Sam Vella Now Salvator Joseph Vella Nina Vella Now Antonia Vella Christopher Vella Darren Vella	2/27031
18.09.2013 (2013 to date)	# Minister for Education	2/27031 Now 1101/1216659

Denotes Current Registered Proprietor

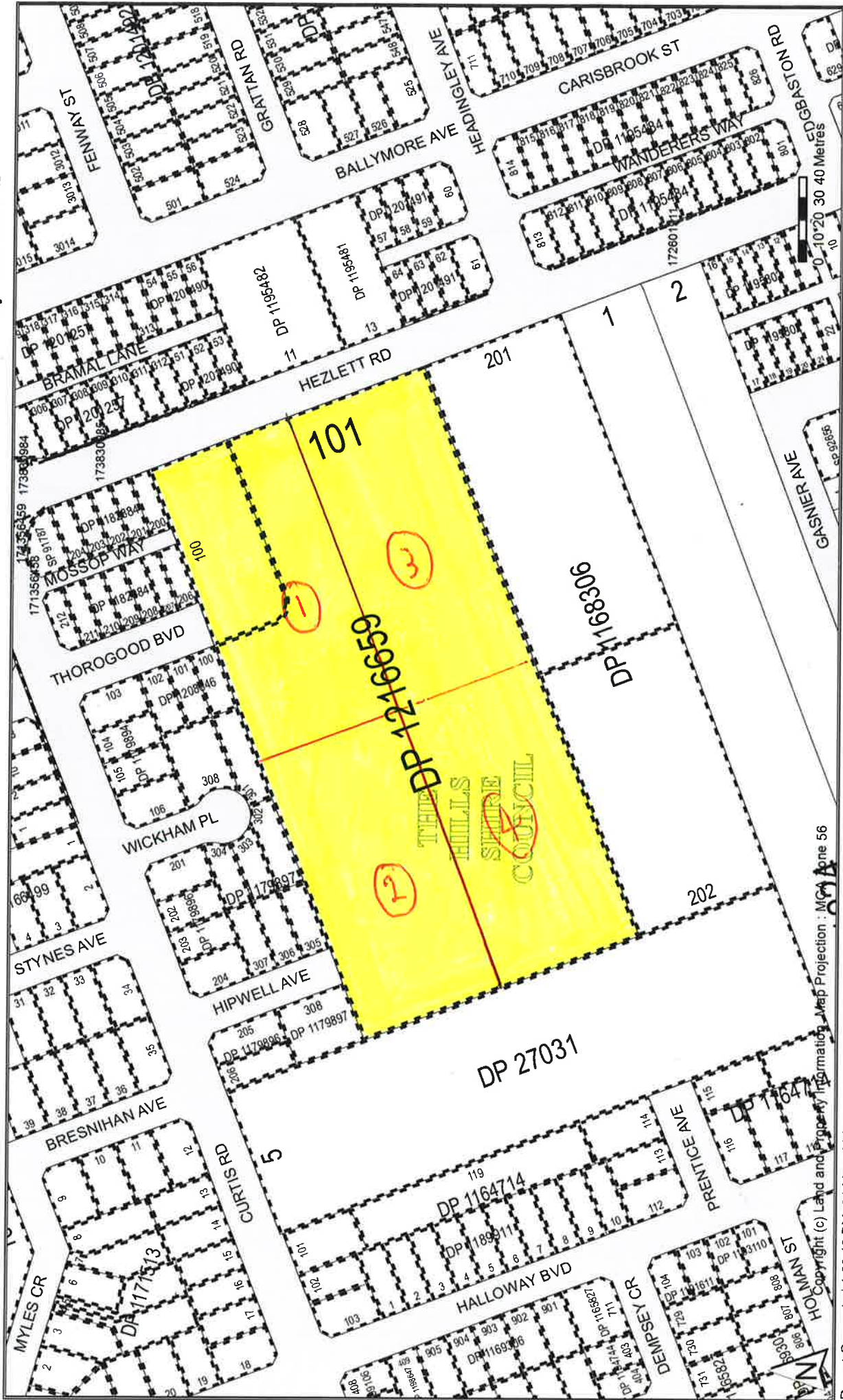
Leases continued as regards both Lots 100 & 101 D.P. 1216659: - NIL

Easements continued as regards both Lots 100 & 101 D.P. 1216659: - NIL

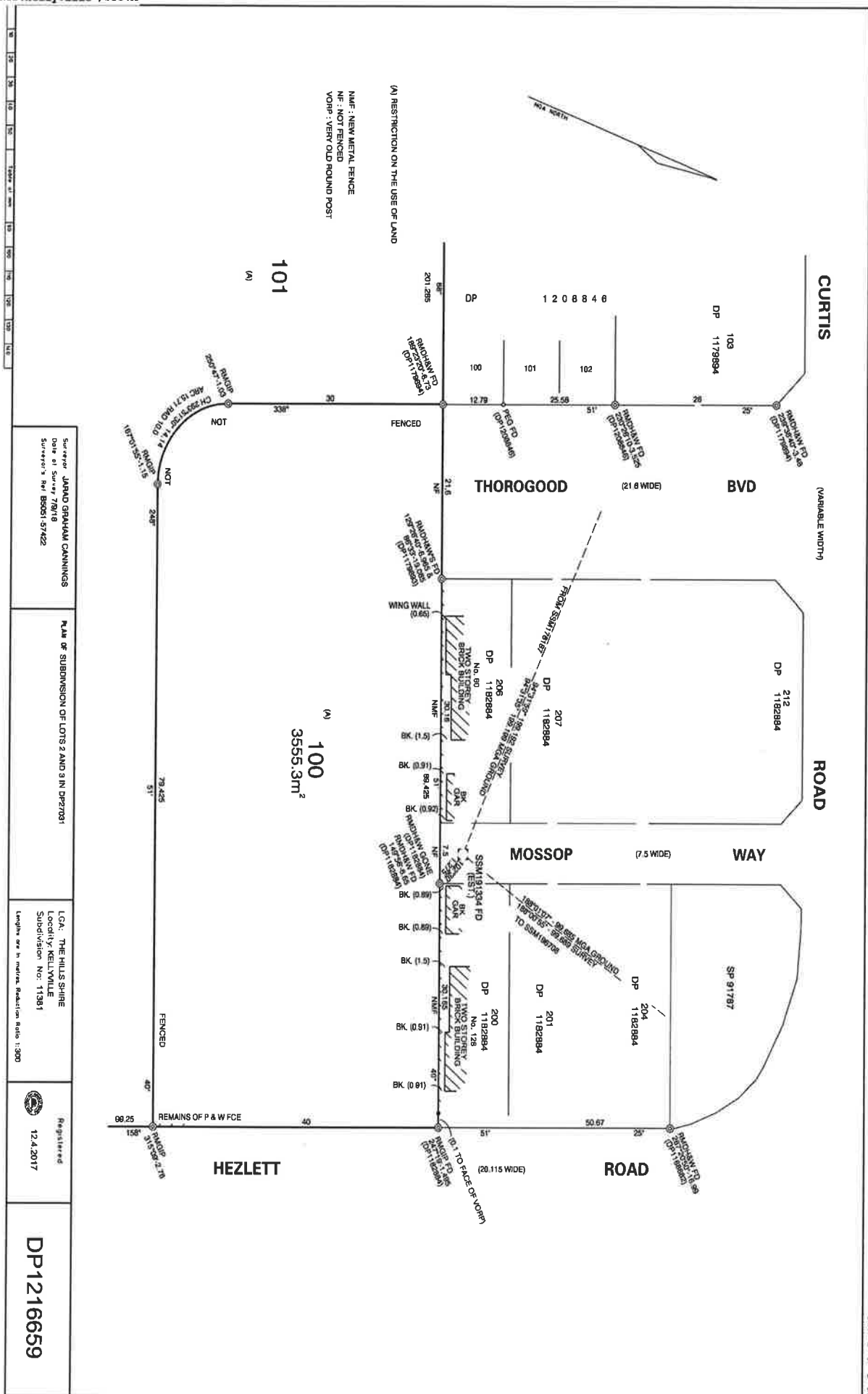
Yours Sincerely
Mark Groll
1 June 2017

Email: mark.groll@scottashwood.com

County : CUMBERLAND



DP1216659



PLAN FORM 6 (2013)

WARNING: Creasing or folding will lead to rejection

ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 1 of 2 sheet(s)

Registered:  12.4.2017 Title System: TORRENS Purpose: SUBDIVISION	Office Use Only DP1216659
PLAN OF SUBDIVISION OF LOTS 2 AND 3 IN DP27031	LGA: THE HILLS SHIRE Locality: KELLYVILLE Parish: CASTLE HILL County: CUMBERLAND
Crown Lands NSW/Western Lands Office Approval I, ... (Authorised Officer) in approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given. Signature: Date: File Number: Office:	Survey Certificate I, ... JARAD GRAHAM CANNINGS..... of PUBLIC WORKS ADVISORY a surveyor registered under the <i>Surveying and Spatial Information Act</i> <i>2002</i> , certify that: *(a) The land shown in the plan was surveyed in accordance with the <i>Surveying and Spatial Information Regulation 2012</i> , is accurate and the survey was completed on 7/09/16 *(b) The part of the land shown in the plan (*being/*excluding A was surveyed in accordance with the <i>Surveying and Spatial</i> <i>Information Regulation 2012</i> , is accurate and the survey was completed on,..... the part not surveyed was compiled in accordance with that Regulation.
Subdivision Certificate I, <u>ANDREW MURRY BROOKS</u> *Authorised Person/*General Manager/*Accredited Certifier, certify that the provisions of s.109J of the <i>Environmental Planning and</i> <i>Assessment Act 1979</i> have been satisfied in relation to the proposed subdivision, new road or reserve set out herein. Signature: <u><i>A. M. Brooks</i></u> Accreditation number: Consent Authority: <u>THE HILLS SHIRE COUNCIL</u> Date of endorsement: <u>12.01.2017</u> Subdivision Certificate number: <u>11381</u> File number: <u>20/2017/2A, 82/2017/SC</u> *Strike through if inapplicable.	*(c) The land shown in this plan was compiled in accordance with the <i>Surveying and Spatial Information Regulation 2012</i> . Signature: <u><i>[Signature]</i></u> Dated: <u>10/11/2016</u> Surveyor ID: <u>8664</u> Datum Line: 'X' - 'Y' Type: *Urban/*Rural " " The terrain is *Level-Undulating / *Steep Mountainous. *Strike through if inapplicable. *Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey.
Statements of intention to dedicate public roads create public reserves and drainage reserves, acquire/resume land.	Plans used in the preparation of survey/compilation: DP 27031 DP1182884 DP 1208846 DP1164714 DP 1168306 DP 1168682 DP 1179893 DP 1168682 DP 1179896 If space is insufficient continue on PLAN FORM 6A
Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A	Surveyor's Reference: B5051-57422

PLAN FORM 6A (2012)

WARNING: Creasing or folding will lead to rejection

ePlan

DEPOSITED PLAN ADMINISTRATION SHEET Sheet 2 of 2 sheet(s)

Registered:  12.4.2017	Office Use Only	Office Use Only
PLAN OF SUBDIVISION OF LOTS 2 AND 3 IN DP27031		DP1216659
Subdivision Certificate number: 11381		This sheet is for the provision of the following information as required: • A schedule of lots and addresses - See 60(c) SSI Regulation 2012 • Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919 • Signatures and seals- see 195D Conveyancing Act 1919 • Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.
Date of Endorsement: 12.01.2017		

PURSUANT TO SEC. 88B OF THE CONVEYANCING ACT 1919
IT IS INTENDED TO CREATE:

1. RESTRICTION ON THE USE OF LAND (A)

Lot Number	Street Number	Street Name	Street Type	Locality
100	122-126	Hezlett	Road	Kellyville
101	120	Hezlett	Road	Kellyville

Signed in my presence by

ANTHONY PERRAU
Who is personally known to me


Signature of Witness

DAWN FISHER
Name of Witness (Print)
35 Bridge Street
Sydney NSW 2000

EXECUTED for and on behalf of
MINISTER FOR EDUCATION by my
appointment as delegate of the Minister
for Education Pursuant to Section 125 of
the Education Act 1990 and I hereby
declare to have no notice of the
revocation of such delegation


Signature of Delegate

ANTHONY PERRAU
Name of Delegate

If space is insufficient use additional annexure sheet

Surveyor's Reference: B5051-57422

Municipality of
Shire of Baulkham Hills

PLAN

G405598 of re-subdivision of Lots 13 to 17 (inclusive) in Deposited Plan No 2123

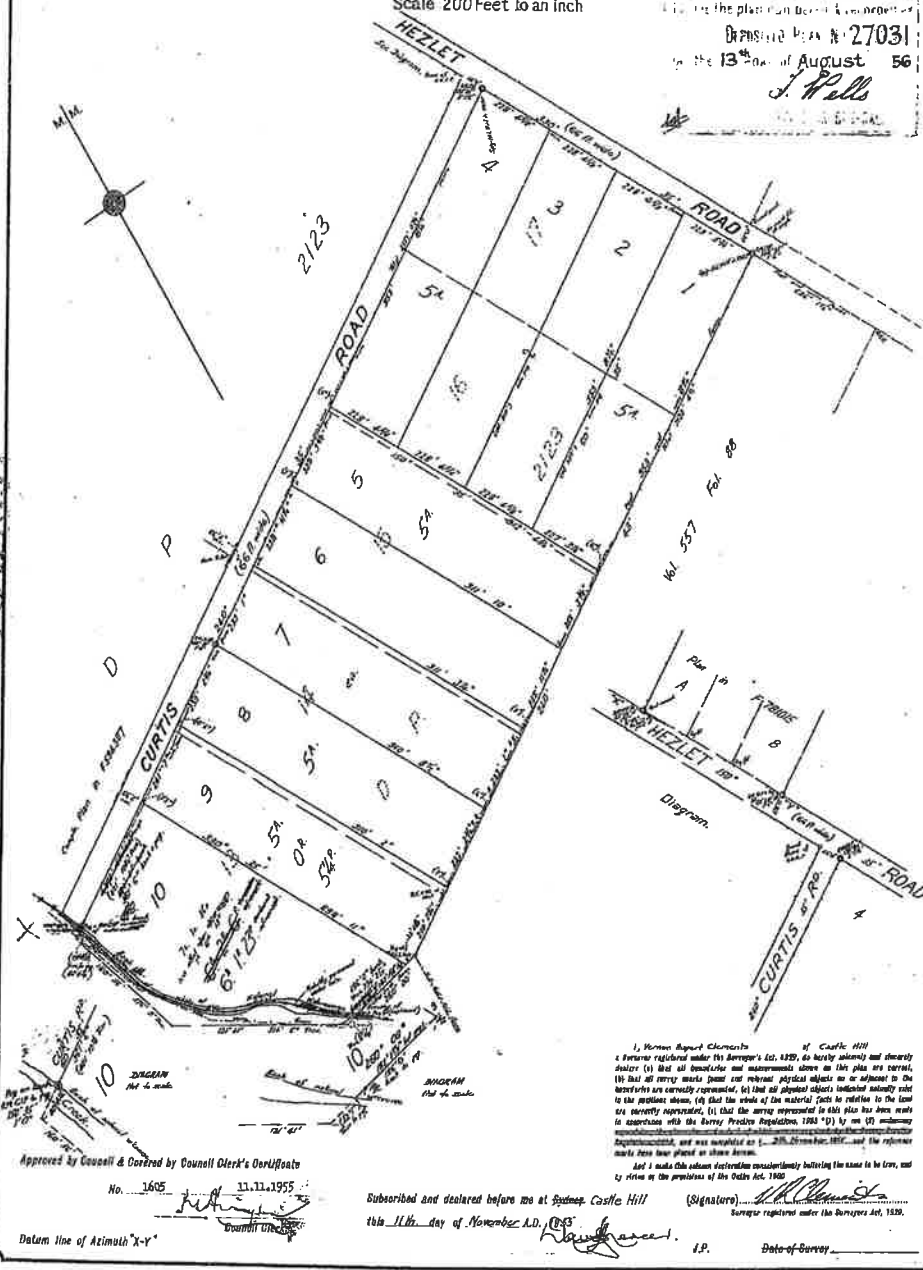
PARISH OF CASTLE HILL COUNTY OF CUMBERLAND

Scale 200 Feet to an inch

Deposited by No 27031

on the 13th day of August 56

J. Wells



Approved by Council & Corroborated by Council Clerk's Deputys

No. 1605 11.11.1955

Datum line of Azimuth X-Y

Subscribed and declared before me at Sydney, Castle Hill

this 11th day of November A.D. 1955

(Signature) J. Wells

Surveyor registered under the Surveyors Act, 1925.

I.P. Date of Survey

CONVERSION TABLE ADDED IN
REGISTER GENERAL'S DEPARTMENT
DP 27031

FEET (INCHES)	METRES
1 1/2	0.457
2 1/2	0.762
3 1/2	1.067
4 1/2	1.372
5 1/2	1.677
6 1/2	1.982
7 1/2	2.287
8 1/2	2.592
9 1/2	2.897
10 1/2	3.202
11 1/2	3.507
12 1/2	3.812
13 1/2	4.117
14 1/2	4.422
15 1/2	4.727
16 1/2	5.032
17 1/2	5.337
18 1/2	5.642
19 1/2	5.947
20 1/2	6.252
21 1/2	6.557
22 1/2	6.862
23 1/2	7.167
24 1/2	7.472
25 1/2	7.777
26 1/2	8.082
27 1/2	8.387
28 1/2	8.692
29 1/2	8.997
30 1/2	9.302
31 1/2	9.607
32 1/2	9.912
33 1/2	10.217
34 1/2	10.522
35 1/2	10.827
36 1/2	11.132
37 1/2	11.437
38 1/2	11.742
39 1/2	12.047
40 1/2	12.352
41 1/2	12.657
42 1/2	12.962
43 1/2	13.267
44 1/2	13.572
45 1/2	13.877
46 1/2	14.182
47 1/2	14.487
48 1/2	14.792
49 1/2	15.097
50 1/2	15.402
51 1/2	15.707
52 1/2	16.012
53 1/2	16.317
54 1/2	16.622
55 1/2	16.927
56 1/2	17.232
57 1/2	17.537
58 1/2	17.842
59 1/2	18.147
60 1/2	18.452
61 1/2	18.757
62 1/2	19.062
63 1/2	19.367
64 1/2	19.672
65 1/2	19.977
66 1/2	20.282
67 1/2	20.587
68 1/2	20.892
69 1/2	21.197
70 1/2	21.502
71 1/2	21.807
72 1/2	22.112
73 1/2	22.417
74 1/2	22.722
75 1/2	23.027
76 1/2	23.332
77 1/2	23.637
78 1/2	23.942
79 1/2	24.247
80 1/2	24.552
81 1/2	24.857
82 1/2	25.162
83 1/2	25.467
84 1/2	25.772
85 1/2	26.077
86 1/2	26.382
87 1/2	26.687
88 1/2	26.992
89 1/2	27.297
90 1/2	27.602
91 1/2	27.907
92 1/2	28.212
93 1/2	28.517
94 1/2	28.822
95 1/2	29.127
96 1/2	29.432
97 1/2	29.737
98 1/2	30.042
99 1/2	30.347
100 1/2	30.652

I, Bruce Richard Davies, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody from 22nd day of January, 1980



LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE

31/5/2017 11:48AM

FOLIO: 3/27031

First Title(s): SEE PRIOR TITLE(S)

Prior Title(s): VOL 7805 FOL 69

Recorded -----	Number -----	Type of Instrument -----	C.T. Issue -----
27/11/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
8/5/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
12/12/2011	AG678921	CAVEAT	
5/4/2012	AG914000	WITHDRAWAL OF CAVEAT	
20/6/2013	AH813068	CAVEAT	
14/7/2014	AI733204	TRANSFER	EDITION 1
12/4/2017	DP1216659	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE

31/5/2017 11:48AM

FOLIO: 100/1216659

First Title(s): OLD SYSTEM

Prior Title(s): 3/27031

Recorded -----	Number -----	Type of Instrument -----	C.T. Issue -----
12/4/2017	DP1216659	DEPOSITED PLAN	FOLIO CREATED EDITION 1

*** END OF SEARCH ***

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - TITLE SEARCH

FOLIO: 100/1216659

SEARCH DATE -----	TIME ----	EDITION NO -----	DATE ----
31/5/2017	11:49 AM	1	12/4/2017

LAND

LOT 100 IN DEPOSITED PLAN 1216659
AT KELLYVILLE
LOCAL GOVERNMENT AREA THE HILLS SHIRE
PARISH OF CASTLE HILL COUNTY OF CUMBERLAND
TITLE DIAGRAM DP1216659

FIRST SCHEDULE

MINISTER FOR EDUCATION

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 DP1216659 RESTRICTION(S) ON THE USE OF LAND (A)

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

kellyvill

PRINTED ON 31/5/2017

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE

31/5/2017 11:48AM

FOLIO: 2/27031

First Title(s): SEE PRIOR TITLE(S)

Prior Title(s): VOL 7186 FOL 38

Recorded	Number	Type of Instrument	C.T. Issue
26/11/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
1/3/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
27/6/2003	9738520	TRANSMISSION APPLICATION	EDITION 1
30/1/2012	AG771484	CHANGE OF NAME	
30/1/2012	AG771485	CHANGE OF NAME	EDITION 2
7/2/2012	AG793844	MORTGAGE	EDITION 3
20/6/2013	AH813065	CAVEAT	
18/9/2013	AI16515	DISCHARGE OF MORTGAGE	
18/9/2013	AI16516	TRANSFER	EDITION 4
12/4/2017	DP1216659	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

Form: 031A
Licence: 01-08-076
Licensee: Midware Systems
Grech Partners

TRANSMISSIO APPLICATION



nal

New South Wales
Section 93 Real Property Act

9738520F

PRIVACY NOTE: this information is legally required and will become part of the public record
Office of State Revenue use only

STAMP DUTY

CLIENT No. 1788765

STAMP No. 690

STAMP DUTY

SIGNATURE

TRANSACTION No. 1458077

DATE

ASSESSMENT DETAILS:

(A) LAND

Torrens Title
2/27031

(B) REGISTERED
DEALING

Number

Torrens Title

(C) LODGED BY

Delivery
Box

Name, Address or DX and Telephone

CODE

3515

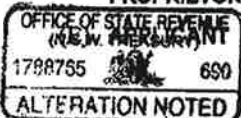
GRECH PARTNERS, Solicitors
DX 8110 BLACKTOWN Tel: (02) 9621 2500

Reference (optional): HVC AL 38924 Vella

TA

(D) DECEASED
REGISTERED
PROPRIETOR

PAUL VELLA

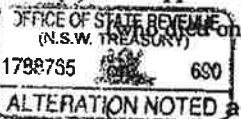


~~SAM VELLA~~ IN HALF SHARE WITH
~~PAUL AND NINA VELLA AS JOINT TENANTS FOR 50% INTEREST AND PAUL VELLA AS TRUSTEE FOR~~
~~CHRISTOPHER VELLA AND DARREN VELLA FOR 50% INTEREST AS TENANTS IN COMMON JOINT TENANTS~~

(F) The applicant, being entitled as

beneficiaries

of the will of the deceased registered proprietor



27 November 2002

) pursuant to

probate

No. 105791/03

granted

14 April 2003

to

SAM
VELLA

a certified copy

of which is lodged herewith) applies to be registered as proprietor of the estate or interest

of the deceased registered proprietor in the abovementioned land.

DATE

11 June 2003

(G)

Certified correct for the purposes of the Real Property Act
1900 by the person whose signature appears below.

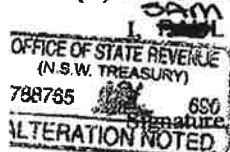
Signature:

Anna Leonard

Signatory's name: ANNA LEONARD

Signatory's capacity: Solicitor for the applicant

(H) CONSENT OF EXECUTOR, ADMINISTRATOR OR TRUSTEE



SAM
I. PAUL VELLA

Executor of the will

of the deceased registered proprietor, consent to this application.

Signature of witness:

Signature of Executor

Name of witness: Nina Vella

Address of witness: 75 Cooper Circle

Quakers Hill

S Vella *Nina Vella*

Office use only -

Evidence sighted/sighted and returned:

All handwriting must be in block capitals.

Page 1 of 1

Number additional pages sequentially

Form: 01T
Release: 6-1

D

TRANSFER

New South Wales
Real Property Act 1900



AI16516W

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect information by this form for the establishment and maintenance of the Real Property Act Register. Section 30B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY

Office of State Revenue use only

Office of State Revenue	
Client No: 3322749	1755
Duty: <i>EXAMPLE</i>	Trans No: <i>7151222</i>
Assd date: <i>5308</i>	

(A) TORRENS TITLE

2/27031

(B) LODGED BY

Document Collection Box	Name, Address or DX, Telephone and Customer Account Number if any 124E LLPN: 123820V LEGAMX Pty Ltd Level 3, 175 Castlereagh Street SYDNEY 2000 Ph: (02) 9230 6900	CODES T TW
Reference: PVC-SP-132258 BP 14591011		

(C) TRANSFEROR

Salvator Joseph Vella, Antonia Vella, Christopher Vella and Darren Vella

(D) CONSIDERATION

The transferor acknowledges receipt of the consideration of \$ 4,827,840.00

and as regards

(E) ESTATE

the abovementioned land transfers to the transferee an estate in fee simple

(F) SHARE TRANSFERRED

(G) ENCUMBRANCES (if applicable):

(H) TRANSFEE

Minister for Education ABN 40 300 173 822

(I) TENANCY:

OFF X: AH813065

DATE *2 September 2013*

- (J) I certify I am an eligible witness and that the transferor signed this dealing in my presence.
[See note* below]

Certified correct for the purposes of the Real Property Act 1900 by the transferor.

Signature of witness:

Henry Grech

Signature of transferor:

S Vella
W E Vella
DP

Name of witness:

HENRY GRECH

Address of witness:

41/5 INGLEWOOD PLACE
BAULKHAM HILLS

Certified correct for the purposes of the Real Property Act 1900 on behalf of the transferee by the person whose signature appears below.

Signature:

Peter Vincent Cahill

Signatory's name:

Signatory's capacity:

Peter Vincent Cahill
solicitor

- (K) The transferee _____ certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. _____ Full name: _____ Signature: _____

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

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE

31/5/2017 11:48AM

FOLIO: 101/1216659

First Title(s): OLD SYSTEM

Prior Title(s): 2-3/27031

Recorded -----	Number -----	Type of Instrument -----	C.T. Issue -----
12/4/2017	DP1216659	DEPOSITED PLAN	FOLIO CREATED EDITION 1

*** END OF SEARCH ***

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - TITLE SEARCH

FOLIO: 101/1216659

SEARCH DATE	TIME	EDITION NO	DATE
31/5/2017	11:49 AM	1	12/4/2017

LAND

LOT 101 IN DEPOSITED PLAN 1216659
AT KELLYVILLE
LOCAL GOVERNMENT AREA THE HILLS SHIRE
PARISH OF CASTLE HILL COUNTY OF CUMBERLAND
TITLE DIAGRAM DP1216659

FIRST SCHEDULE

MINISTER FOR EDUCATION

SECOND SCHEDULE (3 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 G557680 COVENANT AFFECTING THE PART SHOWN SO BURDENED IN
THE TITLE DIAGRAM.
- 3 DP1216659 RESTRICTION(S) ON THE USE OF LAND (A)

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

kellyvill

PRINTED ON 31/5/2017

THE HILLS SHIRE COUNCIL

3 Columbia Court, Baulkham Hills NSW 2153
PO Box 7064, Baulkham Hills BC NSW 2153

Telephone +61 2 9843 0555

Facsimile +61 2 9843 0409

DX 9966 Norwest

Email council@thehills.nsw.gov.au

www.thehills.nsw.gov.au

ABN No. 25 034 494 656

PLANNING CERTIFICATE UNDER SECTION 149 (2) & (5)
ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 AS AMENDED.

Certificate Number: 59766
Reference: 85998.01:87676
Issue Date: 31 May 2017
Receipt No: 5473258
Fee Paid: \$ 133.00

ADDRESS: 122-126 Hezlett Road, KELLYVILLE NSW 2155
DESCRIPTION: Lot 100 DP 1216659

The land is zoned:
Zone R1 General Residential
Zone R2 Low Density Residential

The following prescribed matters apply to the land to which this certificate relates:

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

PLEASE NOTE: THIS CERTIFICATE IS AUTOMATICALLY GENERATED. IT MAY CONTAIN EXCESSIVE SPACES AND/OR BLANK PAGES.

THIS CERTIFICATE IS DIRECTED TO THE FOLLOWING MATTERS
PRESCRIBED UNDER SECTION 149 (2) OF THE ABOVE ACT.

1. Names of relevant planning instruments and DCPs
- (1) The name of each environmental planning instrument that applies to the carrying out of development on the land.
- (A) Local Environmental Plans

The Hills Local Environmental Plan 2012 does not apply to the carrying out of development on the land.

State Environmental Planning Policies

SEPP No.19 - Bushland In Urban Areas
 SEPP No.21 - Caravan Parks
 SEPP No.30 - Intensive Agriculture
 SEPP No.33 - Hazardous And Offensive Development
 SEPP No.50 - Canal Estate Development
 SEPP No.55 - Remediation Of Land
 SEPP No.62 - Sustainable Aquaculture
 SEPP No.64 - Advertising And Signage
 SEPP No.65 - Design Quality Of Residential Flat Development
 SEPP No.70 - Affordable Housing (Revised Schemes)
 SEPP (Building Sustainability Index: Basix) 2004
 SEPP (Major Development) 2005
 SEPP (Mining, Petroleum Production And Extractive Industries) 2007
 SEPP (Miscellaneous Consent Provisions) 2007
 SEPP (Infrastructure) 2007
 SEPP (Exempt and Complying Development Codes) 2008
 SEPP (Affordable Rental Housing) 2009
 SEPP (State and Regional Development) 2011

SEPP (Sydney Region Growth Centres) 2006
 (refer www.legislation.nsw.gov.au)
 Sydney Regional Environmental Plan No. 9 Extractive Industries (No.2) - Amendment No.1
 Sydney Regional Environmental Plan No. 20 Hawkesbury – Nepean River (No.2 – 1997)

The following SEPP's may apply to the land. Please refer to 'Land to which Policy applies' for each individual SEPP.

SEPP (Housing For Seniors Or People With A Disability) 2004

- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved).
- (A) Proposed Local Environmental Plans

No Proposed Local Environmental Plans apply to this land.

(B) Proposed State Environmental Planning Policies

Draft State Environmental Planning Policy (Educational Establishments & Child Care Facilities)

Draft Vegetation State Environmental Planning Policy

Proposed Amendment to State Environmental Planning Policy (Sydney Region Growth Centres) 2006.

Refer Attachment 1(2)(B)

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

The Hills Development Control Plan 2012

North Kellyville Development Control Plan

(<http://www.planning.nsw.gov.au/Plans-for-your-area/Priority-Growth-Areas-and-Precincts/North-West-Priority-Growth-Area/North-Kellyville>)

(4) In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or a draft environmental planning instrument.

2. Zoning and land use under relevant LEPs

For each environmental planning instrument or proposed instrument referred to in clause 1 (other than a SEPP or proposed SEPP).

(A) The Hills Local Environmental Plan 2012 applies to the land unless otherwise stated in this certificate and identifies the land to be:

The Hills Local Environmental Plan 2012 does not apply. Refer Part 2A of this Certificate.

(B) The purposes for which the instrument provides that development may be carried out within the zone without development consent:

Refer Attachment 2(B)

Also refer to the applicable instrument for provisions regarding Exempt Development

- (C) The purposes for which the instrument provides that development may not be carried out within the zone except with development consent:

Refer Attachment 2(B)

Also refer to the applicable instrument for provisions
regarding Complying Development

- (D) The purposes for which the instrument provides that development is prohibited in the zone:

Refer Attachment 2(B)

- (E) Whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed?

The Hills Local Environmental Plan 2012?

NO

Any other Planning Proposal?

NO

- (F) Whether the land includes or comprises critical habitat?

The Hills Local Environmental Plan 2012?

NO

Any other Planning Proposal?

NO

- (G) Whether the land is in a conservation area (however described)?

The Hills Local Environmental Plan 2012?

NO

Any Other Planning Proposal?

NO

- (H) Whether an item of environmental heritage (however described) is situated on the land?

The Hills Local Environmental Plan 2012?

NO

Any other Planning Proposal?

NO

2A. Zoning and land use under State Environmental Planning Policy (Sydney Region Growth Centres) 2006

To the extent that the land is within any zone (however described) under:

- (a) Part 3 of the *State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (the 2006 SEPP)*, or
- (b) a Precinct Plan (within the meaning of the 2006 SEPP), or
- (c) a proposed Precinct Plan that is or has been the subject of community consultation or on public exhibition under the ACT.

(A) State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan) applies to the land unless otherwise stated in this certificate and identifies the land to be:

Zone R1 General Residential
Zone R2 Low Density Residential

Proposed Amendment to State Environmental Planning Policy (Sydney Region Growth Centres) 2006 - North Kellyville Precinct Plan applies to the land and identifies the land to be:

Zone R1 General Residential
Zone R2 Low Density Residential

Refer Attachment 1(2)(B)

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan) applies to the land unless otherwise stated in this certificate and identifies the land to be:

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan) does not apply.

Note: This precinct plan applies to land within the Box Hill Precinct or Box Hill Industrial Precinct.

- (B) The purposes for which the instrument provides that development may be carried out within the zone without development consent:

Refer Attachment 2(B)

Also refer to the applicable instrument for provisions regarding Exempt Development.

- (C) The purposes for which the instrument provides that development may not be carried out within the zone except with development consent:

Refer Attachment 2(B)

Also refer to the applicable instrument for provisions regarding Complying Development

- (D) The purposes for which the instrument provides that development is prohibited in the zone:

Refer Attachment 2(B)

- (E) Whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed?

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

YES

Part 4 Principal development standards of State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan) provides, in part, minimum land dimensions for the erection of a dwelling house on land zoned R1 General Residential, R2 Low Density Residential or R3 Medium Density Residential.

Any amendments to State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

Refer Attachment 1(2)(B)

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

Any amendments to State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

- (F) Whether the land includes or comprises critical habitat?

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

NO

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

- (G) Whether the land is in a conservation area (however described)?

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

NO

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

- (H) Whether an item of environmental heritage (however described) is situated on the land?

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

NO

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

3. Complying Development

- (1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.
- (2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain

the extent to which complying development may or may not be carried out on the land.

General Housing Code and Rural Housing Code

Complying Development under the General Housing Code and Rural Housing Code may be carried out on the land.

Housing Alterations Code and General Development Code

Complying Development under the Housing Alterations Code and General Development Code may be carried out on the land.

Commercial and Industrial (New Buildings and Additions) Code

Complying Development under the Commercial and Industrial (New Buildings and Additions) Code may be carried out on the land.

Commercial and Industrial Alterations, Subdivision, Demolition and Fire Safety Codes

Complying Development under the Commercial and Industrial Alterations, Subdivision, Demolition and Fire Safety Codes may be carried out on the land.

Note: Where reference is made to an applicable map, this information can be sourced from the following websites:

The Hills Local Environmental Plan 2012 - www.thehills.nsw.gov.au
 State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct) or (Appendix 11 The Hills Growth Centre Precincts Plan) – <http://www.planning.nsw.gov.au/Plans-for-your-area/Priority-Growth-Areas-and-Precincts/North-West-Priority-Growth-Area>

4. Coastal protection

Whether or not the land is affected by the operation of Section 38 or 39 of the Coastal Protection Act 1979, but only to the extent that the council has been so notified by the Department of Finance, Services, and Innovation?

NO

4A. Certain information relating to beaches and coasts

- (1) In relation to a coastal council - whether an order has been made under Part 4D of the Coastal Protection Act 1979 in relation to temporary coastal protection works (within the meaning of that Act) on the land (or on public land adjacent to that land), except where the council is satisfied that such an order has been fully complied with.

NO

- (2) In relation to a coastal council:

(a) whether the council has been notified under section 55X of the Coastal Protection Act 1979 that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land), and

(b) if works have been so placed – whether the council is satisfied that the works have been removed and the land restored in accordance with that Act.

NO

- (3) (Repealed)

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

Whether the owner (or any previous owner) of the land has consented in writing to the land being subject to annual charges under section 496B of the Local Government Act 1993 for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

NO

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

5. Mine subsidence

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

NO

6. Road widening and road realignment

Whether or not the land is affected by any road widening or road realignment under -

- (A) Division 2 of Part 3 of the Roads Act 1993; or

NO

- (B) any environmental planning instrument; or

NO

- (C) any resolution of council?

- a) The Hills Development Control Plan 2012?

NO

- b) Any other resolution of council?

NO

7. Council and other public authority policies on hazard risk restrictions

Whether or not the land is affected by a policy:

- (a) adopted by council, or

- (b) adopted by any other public authority and notified to the council for the express purpose of its adoption by that

authority being referred to in planning certificates issued by the council,

that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding)?

Council's policies on hazard risk restrictions are as follows:

(i) Landslip

a) By The Hills Local Environmental Plan 2012 zoning?

NO

No resolution has been adopted but attention is directed to the fact that there are areas within the Shire liable to landslip.

b) By The Hills Local Environmental Plan 2012 local provision?

NO

No resolution has been adopted but attention is directed to the fact that there are areas within the Shire liable to landslip.

c) By The Hills Development Control Plan 2012 provision?

NO

No resolution has been adopted but attention is directed to the fact that there are areas within the Shire liable to landslip.

(ii) Bushfire

YES

Please note this is a statement of Council policy only and NOT a statement on whether or not the property is affected by bushfire. That question is answered in Section 11 of this certificate.

Council has adopted the NSW Rural Fire Service Guidelines entitled 'Planning for Bushfire Protection 2006'. Development subject to bushfire risk will be required to address the requirements in these guidelines and can be downloaded off the RFS web site www.rfs.nsw.gov.au

The Development Control Plan may also contain provisions for development on Bushfire Prone Land and Bushfire Hazard Management. Refer Part 1(3) of this certificate for the applicable Development Control Plan.

(iii) Tidal inundation

NO

Please note this is a statement of Council policy only and NOT a statement on whether or not the property is affected by tidal inundation.

(iv) Subsidence

NO

Please note this is a statement of Council policy only and NOT a statement on whether or not the property is affected by subsidence.

(v) Acid sulphate soils

NO

(vi) Land contamination

NO

Please note this is a statement of Council policy only and NOT a statement on whether or not the property is affected by contamination or potential contamination.

(vii) Any other risk

NO

7A. Flood related development controls information

- (1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls?

NO

Please note this is a statement of flood related development controls and is NOT a statement on whether or not the property is subject to flooding.

- (2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls?

NO

Please note this is a statement of flood related development controls and is NOT a statement on whether or not the property is subject to flooding.

- (3) Words and expressions in this clause have the same meanings as in the standard instrument set out in the Standard Instrument (Local Environmental Plans) Order 2006.

8. Land reserved for acquisition

Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 27 of the Act.

The Hills Local Environmental Plan 2012?

NO

Any other Planning Proposal?

NO

State Environmental Planning Policy?

NO

Proposed State Environmental Planning Policy?

NO

9. Contributions plans

The name of each contributions plan applying to the land:

**13 - NORTH KELLYVILLE
THE HILLS SECTION 94A**

9A. Biodiversity Certified Land

Whether the land is biodiversity certified land within the meaning of Part 7AA of the Threatened Species Conservation Act 1995?

YES

The land is identified as a certified area on the North West Growth Centre – Biodiversity Certification map. This is the map referred to in the Biodiversity Certification Order conferred on State Environmental Planning Policy (Sydney Region Growth Centres) 2006.

10. Biobanking Agreements

Whether the land is land to which a biobanking agreement under part 7A of the Threatened Species Conservation Act 1995 relates, (but only if the council has been notified of the existence of the agreement by the Chief Executive of the Office of Environment and Heritage)?

NO

11. Bush fire prone land

Has the land been identified as bush fire prone land?

NO

12. Property vegetation plans

Has the council been notified that a property vegetation plan under the Native Vegetation Act 2003 applies to this land?

NO

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

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

NO

14. Directions under Part 3A

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

NO

15. Site compatibility certificates and conditions for seniors housing

(a) Whether there is a current site compatibility certificate (seniors housing) of which council is aware, issued under State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 in respect of proposed development on the land?

NO

(b) Whether there are any terms of a kind referred to in clause 18(2) of State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 that have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land?

NO

16. Site compatibility certificates for infrastructure

Whether there is a valid site compatibility certificate (infrastructure), of which the council is aware, in respect of proposed development on the land?

NO

17. Site compatibility certificates and conditions for affordable rental housing

(1) Whether there is a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land?

NO

(2) Whether there are any terms of a kind referred to in clause 17(1) or 38(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 that have been imposed as a condition of consent to a development application in respect of the land?

NO

18. Paper subdivision information

(1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.

NO DEVELOPMENT PLAN APPLIES

(2) The date of any subdivision order that applies to the land.

NO SUBDIVISION ORDER APPLIES

(3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

19. Site verification certificates

Whether there is a current site verification certificate, of which the council is aware, in respect of the land?

NO

Note. A site verification certificate sets out the Secretary's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land - see Division 3 of Part 4AA of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.

20. Loose-fill asbestos insulation

Does the land include any residential premises (within the meaning of Division 1A of Part 8 of the Home Building Act 1989) that is listed on the Loose-Fill Asbestos Insulation Register that is required to be maintained under that Division?

Council has not been notified by NSW Fair Trading that the land includes any residential premises that are listed on the register. Refer to the NSW Fair Trading website at www.fairtrading.nsw.gov.au to confirm that the land is not listed on this register.

Note: There is potential for loose-fill asbestos insulation in residential premises that are not listed on the Register. Contact NSW Fair Trading for further information.

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

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

NO

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

NO

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

NO

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

NO

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

NO

THIS PART IS DIRECTED TO THE FOLLOWING MATTERS
PRESCRIBED UNDER SECTION 149 (5) OF THE ABOVE ACT

NOTE: "When information pursuant to Section 149 (5) is requested the council is under no obligation to furnish any of the information supplied herein pursuant to that Section. Council draws your attention to Section 149 (6), which states that a council shall not incur any liability in respect of any advice provided in good faith pursuant to sub-section (5). The absence of any reference to any matter affecting the land shall not imply that the land is not affected by any matter not referred to in this certificate."

- A. Whether there are any provisions applying to the land that control the management of trees and bushland?

YES

Clause 5.9 of State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan) and (Appendix 11 The Hills Growth Centre Precinct Plan) contains provisions for the preservation of trees and other vegetation.

Note: Appendix 11 The Hills Growth Centre Precinct Plan applies to land within the Box Hill Precinct or Box Hill Industrial Precinct.

- B. Does the land contain a foreshore area as identified on The Hills Local Environmental Plan 2012 Foreshore Building Line map?

NO

- C. Under the Protection of the Environment Operations Act 1997, is the property subject to a listing on the public register maintained by council with respect to an environmental notice or civil proceedings in the Land and Environment Court, or a prosecution under this Act?

NO

- D. Is the land affected by any special provisions of Sydney Regional Environmental Plan No 9 – Extractive Industry (No 2 – 1995)?

NO

- E. Is the land affected by a restricted development area as identified under The Hills Development Control Plan 2012?

NO

- F. Is the land within an area where a Special Infrastructure Contribution, as determined by the Minister for Planning and Infrastructure, applies?

YES

The land is within the Special Infrastructure Contribution – Western Sydney Growth Areas under the *Environmental Planning and Assessment Act 1979*.

Refer to the Department of Planning and Infrastructure for further information
www.planning.nsw.gov.au

- G. Is the land in the vicinity of a heritage item or heritage conservation area as described in The Hills Local Environmental Plan 2012 OR State Environmental Planning Policy (Sydney Region Growth Centres) 2006?

NO

- H. Whether Council has adopted a Voluntary Planning Agreement within the meaning of S93F of the Environmental Planning and Assessment Act, 1979, as amended, in relation to the land?

NO

- I. Is the land within or adjacent to the Sydney Metro Northwest as identified on the maps prepared by Transport NSW?

NO

- J. Does the land contain a proposed road as identified within a Development Control Plan under State Environmental Planning Policy (Sydney Region Growth Centres) 2006?

YES

The North Kellyville Development Control Plan, prepared by the Department of Planning and Infrastructure, identifies the land as being affected by a proposed road on the Indicative Layout Plan. Refer <http://www.planning.nsw.gov.au/Plans-for-your-area/Priority-Growth-Areas-and-Precincts/North-West-Priority-Growth-Area/North-Kellyville>

- K. Has Council been notified by NSW Land and Property Information that the land is affected by a plan of acquisition for railway purposes (Sydney Metro Northwest)?

NO

THE HILLS SHIRE COUNCIL

MICHAEL EDGAR
ACTING GENERAL MANAGER

Per: 

PLEASE NOTE: COUNCIL RETAINS THE ELECTRONIC ORIGINAL OF THIS CERTIFICATE. WHERE THIS CERTIFICATE REFERS TO INFORMATION DISPLAYED ON COUNCIL'S WEBSITE OR TO ANY EXTERNAL WEBSITE, IT REFERS TO INFORMATION DISPLAYED ON THE WEBSITE ON THE DATE THIS CERTIFICATE IS ISSUED.

ATTACHMENT 1(2)(B)

The North West Priority Growth Area Land Use and Infrastructure Implementation Plan

The North West Priority Growth Area Land Use and Infrastructure Implementation Plan was released for public exhibition on Monday 15 May 2017. The Implementation Plan updates the planning framework for the North West Priority Growth Area (formally known as the North West Growth Centre) in light of the extent of urban development and demand for housing that has occurred since the release of the North West Growth Centre Structure Plan in 2006.

The Implementation Plan would be brought into effect by amendments to State Environmental Planning Policy (Sydney Region Growth Centres) 2006, associated Development Control Plans and Section 117 Ministerial Direction.

The key proposed changes to State Environmental Planning Policy (Sydney Region Growth Centres) 2006 for North Kellyville and Box Hill include:

- Introduction of minimum and maximum densities for all residential areas that have been rezoned under the SEPP; and
- Set minimum subdivision lot sizes in all residential areas that have been rezoned under the SEPP and some residential land uses consistent with the standard instrument Local Environmental Plan.

NOTE: The above details are in keeping with the exhibited planning proposal. Please note that changes to the proposal may be made post exhibition. The current status and details of the proposal can be viewed at NSW Department of Planning & Environment at http://planspolicies.planning.nsw.gov.au/index.pl?action=job_listing&status=exhibition.

ATTACHMENT 1(2)(B)

PLANNING CHANGES FOR SHOP TOP HOUSING AND MIXED USE DEVELOPMENTS ACROSS THE HILLS SHIRE (11/2016/PLP)

Proposed changes for shop top housing and mixed use developments are being re-exhibited due to the complexities of the proposed amendments and changes arising from the finalisation of a separate planning proposal that rezoned land in the Box Hill Release Area.

The key proposed changes to The Hills Local Environmental Plan 2012 and State Environmental Planning Policy (Sydney Region Growth Centres) 2006 for North Kellyville and Box Hill include:

1. Reduce the maximum height for shop top housing and residential flat buildings as part of mixed use developments on certain land;
2. Limit residential yield within shop top housing and residential flat buildings as part of mixed use developments on certain land; and

3. Prohibit shop top housing in certain zones in the North Kellyville and Box Hill release areas.

Also on exhibition are Development Control Plan amendments for shop top housing and residential flat buildings as part of mixed use developments relating to building height, setbacks, common open space, landscaping, access, unit size/mix, parking, visual privacy, solar access, private open space, ventilation and storage.

The changes are responding to recent applications and enquiries to undertake shop top housing and mixed use developments in areas where higher residential densities are not intended. The changes seek to ensure that any future developments are in keeping with the intended scale and character of development for that locality and with the desired role and function of centres.

Further details on the proposed amendments can be found in the exhibition material available at the libraries and on Council's website.

The above details are in keeping with the exhibited planning proposal. Please note that changes to the planning proposal may be made post exhibition. The current status and details of the planning proposal can be viewed on Council's website www.thehills.nsw.gov.au under 'Application Tracking' on the home page or under the 'Planning & Development' menu bar.

ATTACHMENT 2(B)

STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 (APPENDIX 2 NORTH KELLYVILLE PRECINCT)

Zone R1 General Residential

1 Objectives of zone

- To provide for the housing needs of the community.
- To provide for a variety of housing types and densities.
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.
- To encourage medium density housing in locations of high amenity adjoining open space and accessible transport corridors.
- To support the well being of the community, including educational, recreational, community, religious and other activities and, where appropriate, neighbourhood shops if there will be no adverse effect on the amenity of proposed or existing nearby residential development.
- To allow for low intensity tourist and visitor accommodation that does not interfere with residential amenity.
- To provide for a variety of recreational uses within open space areas.

2 Permitted without consent Home occupations

3 Permitted with consent

Attached dwellings; Bed and breakfast accommodation; Boarding houses; Child care centres; Community facilities; Dual occupancies; Dwelling houses; Educational establishments; Group homes; Home businesses; Hostels; Multi dwelling housing; Neighbourhood shops; Places of public worship; Residential flat buildings; Roads; Secondary dwellings; Semi-detached dwellings; Seniors housing; Shop top housing; Studio dwellings; Any other development not specified in item 2 or 4.

4 Prohibited

Agriculture; Amusement centres; Biosolid waste applications; Bulky goods premises; Business premises; Canal estate developments; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Electricity generating works; Entertainment facilities; Extractive industries; Freight transport facilities; Home occupations (sex services); Industries; Information and education facilities; Marinas; Passenger transport facilities; Public administration buildings; Retail premises; Rural workers' dwellings; Storage premises; Tourist and visitor accommodation; Vehicle sales or hire premises; Waste or resource management facilities; Wholesale supplies.

NOTE: This land use table should be read in conjunction with the Dictionary at the end of STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 which defines words and expressions for the purpose of the plan.

NOTE: Activities permitted without development consent are still subject to other provisions in Environmental Planning Instruments and/or Acts.

ATTACHMENT 2(B)

STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 (APPENDIX 2 NORTH KELLYVILLE PRECINCT)

Zone R2 Low Density Residential

1 Objectives of zone

- To provide for the housing needs of the community within a low density residential environment.
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.
- To provide for a variety of housing types but primarily low density detached housing.
- To support the well being of the community, including educational, recreational, community, religious and other activities if there will be no adverse effect on the amenity of the proposed or existing nearby residential development.

2 Permitted without consent
Home occupations

3 Permitted with consent
Community facilities; Drainage; Dual occupancies; Dwelling houses; Earthworks; Educational establishments; Environmental protection works; Exhibition homes; Exhibition villages; Group homes; Health consulting rooms; Home businesses; Information and education facilities; Recreation areas; Roads; Secondary dwellings; Semi-detached dwellings; Seniors housing; Studio dwellings; Water recycling facilities; Waterbodies (artificial).

4 Prohibited
Any development not specified in item 2 or 3.

NOTE: This land use table should be read in conjunction with the Dictionary at the end of STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 which defines words and expressions for the purpose of the plan.

NOTE: Activities permitted without development consent are still subject to other provisions in Environmental Planning Instruments and/or Acts.

ATTACHMENT 2(B1)

A proposed environmental planning instrument applies to the land and identifies the land to be:

STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 (APPENDIX 2 NORTH KELLYVILLE PRECINCT)

Zone R1 General Residential

1 Objectives of zone

- To provide for the housing needs of the community.
- To provide for a variety of housing types and densities.
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.
- To encourage medium density housing in locations of high amenity adjoining open space and accessible transport corridors.
- To support the well being of the community, including educational, recreational, community, religious and other activities and, where appropriate, neighbourhood shops if there will be no adverse effect on the amenity of proposed or existing nearby residential development.
- To allow for low intensity tourist and visitor accommodation that does not interfere with residential amenity.
- To provide for a variety of recreational uses within open space areas.

2 Permitted without consent Home occupations

3 Permitted with consent

Attached dwellings; Bed and breakfast accommodation; Boarding houses; Child care centres; Community facilities; Dual occupancies; Dwelling houses; Educational establishments; Group homes; Home businesses; Hostels; Multi dwelling housing; Neighbourhood shops; Places of public worship; Residential flat buildings; Roads; Secondary dwellings; Semi-detached dwellings; Seniors housing; Shop top housing; Studio dwellings; Any other development not specified in item 2 or 4.

4 Prohibited

Agriculture; Amusement centres; Biosolid waste applications; Bulky goods premises; Business premises; Canal estate developments; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Electricity generating works; Entertainment facilities; Extractive industries; Freight transport facilities; Home occupations (sex services); Industries; Information and education facilities; Marinas; Passenger transport facilities; Public administration buildings; Retail premises; Rural workers' dwellings; Storage premises; Tourist and visitor accommodation; Vehicle sales or hire premises; Waste or resource management facilities; Wholesale supplies.

NOTE: This land use table should be read in conjunction with the Dictionary at the end of STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 which defines words and expressions for the purpose of the plan.

NOTE: Activities permitted without development consent are still subject to other provisions in Environmental Planning Instruments and/or Acts.

ATTACHMENT 2(B1)

A proposed environmental planning instrument applies to the land and identifies the land to be:

STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 (APPENDIX 2 NORTH KELLYVILLE PRECINCT)

Zone R2 Low Density Residential

- 1 Objectives of zone
 - To provide for the housing needs of the community within a low density residential environment.
 - To enable other land uses that provide facilities or services to meet the day to day needs of residents.
 - To provide for a variety of housing types but primarily low density detached housing.
 - To support the well being of the community, including educational, recreational, community, religious and other activities if there will be no adverse effect on the amenity of the proposed or existing nearby residential development.
- 2 Permitted without consent
Home occupations
- 3 Permitted with consent
Community facilities; Drainage; Dual occupancies; Dwelling houses; Earthworks; Educational establishments; Environmental protection works; Exhibition homes; Exhibition villages; Group homes; Health consulting rooms; Home businesses; Information and education facilities; Recreation areas; Roads; Secondary dwellings; Semi-detached dwellings; Seniors housing; Studio dwellings; Water recycling facilities; Waterbodies (artificial).
- 4 Prohibited
Any development not specified in item 2 or 3.

NOTE: This land use table should be read in conjunction with the Dictionary at the end of STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 which defines words and expressions for the purpose of the plan.

NOTE: Activities permitted without development consent are still subject to other provisions in Environmental Planning Instruments and/or Acts.

THE HILLS SHIRE COUNCIL

3 Columbia Court, Baulkham Hills NSW 2153
PO Box 7064, Baulkham Hills BC NSW 2153

Telephone +61 2 9843 0555

Facsimile +61 2 9843 0409

DX 9966 Norwest

Email council@thehills.nsw.gov.au

www.thehills.nsw.gov.au

ABN No. 25 034 494 656

PLANNING CERTIFICATE UNDER SECTION 149 (2) & (5)
ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 AS AMENDED.

Certificate Number: 59767
Reference: 85998.01:87676
Issue Date: 31 May 2017
Receipt No: 5473258
Fee Paid: \$ 133.00

ADDRESS: 120 Hezlett Road, KELLYVILLE NSW 2155
DESCRIPTION: Lot 101 DP 1216659

The land is zoned:
Zone R1 General Residential
Zone R2 Low Density Residential

The following prescribed matters apply to the land to which this certificate relates:

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

PLEASE NOTE: THIS CERTIFICATE IS AUTOMATICALLY GENERATED. IT MAY CONTAIN EXCESSIVE SPACES AND/OR BLANK PAGES.

THIS CERTIFICATE IS DIRECTED TO THE FOLLOWING MATTERS
PRESCRIBED UNDER SECTION 149 (2) OF THE ABOVE ACT.

1. Names of relevant planning instruments and DCPs
- (1) The name of each environmental planning instrument that applies to the carrying out of development on the land.
- (A) Local Environmental Plans

The Hills Local Environmental Plan 2012 does not apply to the carrying out of development on the land.

State Environmental Planning Policies

SEPP No.19 - Bushland In Urban Areas
 SEPP No.21 - Caravan Parks
 SEPP No.30 - Intensive Agriculture
 SEPP No.33 - Hazardous And Offensive Development
 SEPP No.50 - Canal Estate Development
 SEPP No.55 - Remediation Of Land
 SEPP No.62 - Sustainable Aquaculture
 SEPP No.64 - Advertising And Signage
 SEPP No.65 - Design Quality Of Residential Flat Development
 SEPP No.70 - Affordable Housing (Revised Schemes)
 SEPP (Building Sustainability Index: Basix) 2004
 SEPP (Major Development) 2005
 SEPP (Mining, Petroleum Production And Extractive Industries) 2007
 SEPP (Miscellaneous Consent Provisions) 2007
 SEPP (Infrastructure) 2007
 SEPP (Exempt and Complying Development Codes) 2008
 SEPP (Affordable Rental Housing) 2009
 SEPP (State and Regional Development) 2011

SEPP (Sydney Region Growth Centres) 2006
 (refer www.legislation.nsw.gov.au)
 Sydney Regional Environmental Plan No. 9 Extractive Industries (No.2) - Amendment No.1
 Sydney Regional Environmental Plan No. 20 Hawkesbury – Nepean River (No.2 – 1997)

The following SEPP's may apply to the land. Please refer to 'Land to which Policy applies' for each individual SEPP.

SEPP (Housing For Seniors Or People With A Disability) 2004

- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved).
- (A) Proposed Local Environmental Plans

No Proposed Local Environmental Plans apply to this land.

(B) Proposed State Environmental Planning Policies

Draft State Environmental Planning Policy (Educational Establishments & Child Care Facilities)

Draft Vegetation State Environmental Planning Policy

Proposed Amendment to State Environmental Planning Policy (Sydney Region Growth Centres) 2006.

Refer Attachment 1(2)(B)

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

The Hills Development Control Plan 2012

North Kellyville Development Control Plan

(<http://www.planning.nsw.gov.au/Plans-for-your-area/Priority-Growth-Areas-and-Precincts/North-West-Priority-Growth-Area/North-Kellyville>)

(4) In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or a draft environmental planning instrument.

2. Zoning and land use under relevant LEPs

For each environmental planning instrument or proposed instrument referred to in clause 1 (other than a SEPP or proposed SEPP).

(A) The Hills Local Environmental Plan 2012 applies to the land unless otherwise stated in this certificate and identifies the land to be:

The Hills Local Environmental Plan 2012 does not apply. Refer Part 2A of this Certificate.

(B) The purposes for which the instrument provides that development may be carried out within the zone without development consent:

Refer Attachment 2(B)

Also refer to the applicable instrument for provisions regarding Exempt Development

- (C) The purposes for which the instrument provides that development may not be carried out within the zone except with development consent:

Refer Attachment 2(B)

Also refer to the applicable instrument for provisions
regarding Complying Development

- (D) The purposes for which the instrument provides that development is prohibited in the zone:

Refer Attachment 2(B)

- (E) Whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed?

The Hills Local Environmental Plan 2012?

NO

Any other Planning Proposal?

NO

- (F) Whether the land includes or comprises critical habitat?

The Hills Local Environmental Plan 2012?

NO

Any other Planning Proposal?

NO

- (G) Whether the land is in a conservation area (however described)?

The Hills Local Environmental Plan 2012?

NO

Any Other Planning Proposal?

NO

- (H) Whether an item of environmental heritage (however described) is situated on the land?

The Hills Local Environmental Plan 2012?

NO

Any other Planning Proposal?

NO

2A. Zoning and land use under State Environmental Planning Policy (Sydney Region Growth Centres) 2006

To the extent that the land is within any zone (however described) under:

- (a) Part 3 of the *State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (the 2006 SEPP)*, or
- (b) a Precinct Plan (within the meaning of the 2006 SEPP), or
- (c) a proposed Precinct Plan that is or has been the subject of community consultation or on public exhibition under the ACT.

(A) State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan) applies to the land unless otherwise stated in this certificate and identifies the land to be:

Zone R1 General Residential
Zone R2 Low Density Residential

Proposed Amendment to State Environmental Planning Policy (Sydney Region Growth Centres) 2006 - North Kellyville Precinct Plan applies to the land and identifies the land to be:

Zone R1 General Residential
Zone R2 Low Density Residential

Refer Attachment 1(2)(B)

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan) applies to the land unless otherwise stated in this certificate and identifies the land to be:

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan) does not apply.

Note: This precinct plan applies to land within the Box Hill Precinct or Box Hill Industrial Precinct.

- (B) The purposes for which the instrument provides that development may be carried out within the zone without development consent:

Refer Attachment 2(B)

Also refer to the applicable instrument for provisions regarding Exempt Development.

- (C) The purposes for which the instrument provides that development may not be carried out within the zone except with development consent:

Refer Attachment 2(B)

Also refer to the applicable instrument for provisions regarding Complying Development

- (D) The purposes for which the instrument provides that development is prohibited in the zone:

Refer Attachment 2(B)

- (E) Whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed?

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

YES

Part 4 Principal development standards of State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan) provides, in part, minimum land dimensions for the erection of a dwelling house on land zoned R1 General Residential, R2 Low Density Residential or R3 Medium Density Residential.

Any amendments to State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

Refer Attachment 1(2)(B)

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

Any amendments to State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

- (F) Whether the land includes or comprises critical habitat?

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

NO

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

- (G) Whether the land is in a conservation area (however described)?

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

NO

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

- (H) Whether an item of environmental heritage (however described) is situated on the land?

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan)?

NO

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 11 The Hills Growth Centre Precincts Plan)?

NO

3. Complying Development

- (1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.
- (2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain

the extent to which complying development may or may not be carried out on the land.

General Housing Code and Rural Housing Code

Complying Development under the General Housing Code and Rural Housing Code may be carried out on the land.

Housing Alterations Code and General Development Code

Complying Development under the Housing Alterations Code and General Development Code may be carried out on the land.

Commercial and Industrial (New Buildings and Additions) Code

Complying Development under the Commercial and Industrial (New Buildings and Additions) Code may be carried out on the land.

Commercial and Industrial Alterations, Subdivision, Demolition and Fire Safety Codes

Complying Development under the Commercial and Industrial Alterations, Subdivision, Demolition and Fire Safety Codes may be carried out on the land.

Note: Where reference is made to an applicable map, this information can be sourced from the following websites:

The Hills Local Environmental Plan 2012 - www.thehills.nsw.gov.au
 State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct) or (Appendix 11 The Hills Growth Centre Precincts Plan) – <http://www.planning.nsw.gov.au/Plans-for-your-area/Priority-Growth-Areas-and-Precincts/North-West-Priority-Growth-Area>

4. Coastal protection

Whether or not the land is affected by the operation of Section 38 or 39 of the Coastal Protection Act 1979, but only to the extent that the council has been so notified by the Department of Finance, Services, and Innovation?

NO

4A. Certain information relating to beaches and coasts

- (1) In relation to a coastal council - whether an order has been made under Part 4D of the Coastal Protection Act 1979 in relation to temporary coastal protection works (within the meaning of that Act) on the land (or on public land adjacent to that land), except where the council is satisfied that such an order has been fully complied with.

NO

- (2) In relation to a coastal council:

(a) whether the council has been notified under section 55X of the Coastal Protection Act 1979 that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land), and

(b) if works have been so placed – whether the council is satisfied that the works have been removed and the land restored in accordance with that Act.

NO

- (3) (Repealed)

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

Whether the owner (or any previous owner) of the land has consented in writing to the land being subject to annual charges under section 496B of the Local Government Act 1993 for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

NO

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

5. Mine subsidence

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

NO

6. Road widening and road realignment

Whether or not the land is affected by any road widening or road realignment under -

- (A) Division 2 of Part 3 of the Roads Act 1993; or

NO

- (B) any environmental planning instrument; or

NO

- (C) any resolution of council?

- a) The Hills Development Control Plan 2012?

NO

- b) Any other resolution of council?

NO

7. Council and other public authority policies on hazard risk restrictions

Whether or not the land is affected by a policy:

- (a) adopted by council, or

- (b) adopted by any other public authority and notified to the council for the express purpose of its adoption by that

authority being referred to in planning certificates issued by the council,

that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding)?

Council's policies on hazard risk restrictions are as follows:

(i) Landslip

a) By The Hills Local Environmental Plan 2012 zoning?

NO

No resolution has been adopted but attention is directed to the fact that there are areas within the Shire liable to landslip.

b) By The Hills Local Environmental Plan 2012 local provision?

NO

No resolution has been adopted but attention is directed to the fact that there are areas within the Shire liable to landslip.

c) By The Hills Development Control Plan 2012 provision?

NO

No resolution has been adopted but attention is directed to the fact that there are areas within the Shire liable to landslip.

(ii) Bushfire

YES

Please note this is a statement of Council policy only and NOT a statement on whether or not the property is affected by bushfire. That question is answered in Section 11 of this certificate.

Council has adopted the NSW Rural Fire Service Guidelines entitled 'Planning for Bushfire Protection 2006'. Development subject to bushfire risk will be required to address the requirements in these guidelines and can be downloaded off the RFS web site www.rfs.nsw.gov.au

The Development Control Plan may also contain provisions for development on Bushfire Prone Land and Bushfire Hazard Management. Refer Part 1(3) of this certificate for the applicable Development Control Plan.

(iii) Tidal inundation

NO

Please note this is a statement of Council policy only and NOT a statement on whether or not the property is affected by tidal inundation.

(iv) Subsidence

NO

Please note this is a statement of Council policy only and NOT a statement on whether or not the property is affected by subsidence.

(v) Acid sulphate soils

NO

(vi) Land contamination

NO

Please note this is a statement of Council policy only and NOT a statement on whether or not the property is affected by contamination or potential contamination.

(vii) Any other risk

NO

7A. Flood related development controls information

- (1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls?

NO

Please note this is a statement of flood related development controls and is NOT a statement on whether or not the property is subject to flooding.

- (2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls?

NO

Please note this is a statement of flood related development controls and is NOT a statement on whether or not the property is subject to flooding.

- (3) Words and expressions in this clause have the same meanings as in the standard instrument set out in the Standard Instrument (Local Environmental Plans) Order 2006.

8. Land reserved for acquisition

Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 27 of the Act.

The Hills Local Environmental Plan 2012?

NO

Any other Planning Proposal?

NO

State Environmental Planning Policy?

NO

Proposed State Environmental Planning Policy?

NO

9. Contributions plans

The name of each contributions plan applying to the land:

**13 - NORTH KELLYVILLE
THE HILLS SECTION 94A**

9A. Biodiversity Certified Land

Whether the land is biodiversity certified land within the meaning of Part 7AA of the *Threatened Species Conservation Act 1995*?

YES

The land is identified as a certified area on the North West Growth Centre – Biodiversity Certification map. This is the map referred to in the Biodiversity Certification Order conferred on State Environmental Planning Policy (Sydney Region Growth Centres) 2006.

10. Biobanking Agreements

Whether the land is land to which a biobanking agreement under part 7A of the *Threatened Species Conservation Act 1995* relates, (but only if the council has been notified of the existence of the agreement by the Chief Executive of the Office of Environment and Heritage)?

NO

11. Bush fire prone land

Has the land been identified as bush fire prone land?

NO

12. Property vegetation plans

Has the council been notified that a property vegetation plan under the Native Vegetation Act 2003 applies to this land?

NO

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

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

NO

14. Directions under Part 3A

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

NO

15. Site compatibility certificates and conditions for seniors housing

(a) Whether there is a current site compatibility certificate (seniors housing) of which council is aware, issued under State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 in respect of proposed development on the land?

NO

(b) Whether there are any terms of a kind referred to in clause 18(2) of State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 that have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land?

NO

16. Site compatibility certificates for infrastructure

Whether there is a valid site compatibility certificate (infrastructure), of which the council is aware, in respect of proposed development on the land?

NO

17. Site compatibility certificates and conditions for affordable rental housing

(1) Whether there is a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land?

NO

(2) Whether there are any terms of a kind referred to in clause 17(1) or 38(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 that have been imposed as a condition of consent to a development application in respect of the land?

NO

18. Paper subdivision information

(1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.

NO DEVELOPMENT PLAN APPLIES

(2) The date of any subdivision order that applies to the land.

NO SUBDIVISION ORDER APPLIES

(3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

19. Site verification certificates

Whether there is a current site verification certificate, of which the council is aware, in respect of the land?

NO

Note. A site verification certificate sets out the Secretary's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land - see Division 3 of Part 4AA of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.

20. Loose-fill asbestos insulation

Does the land include any residential premises (within the meaning of Division 1A of Part 8 of the Home Building Act 1989) that is listed on the Loose-Fill Asbestos Insulation Register that is required to be maintained under that Division?

Council has not been notified by NSW Fair Trading that the land includes any residential premises that are listed on the register. Refer to the NSW Fair Trading website at www.fairtrading.nsw.gov.au to confirm that the land is not listed on this register.

Note: There is potential for loose-fill asbestos insulation in residential premises that are not listed on the Register. Contact NSW Fair Trading for further information.

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

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

NO

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

NO

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

NO

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

NO

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

NO

THIS PART IS DIRECTED TO THE FOLLOWING MATTERS
PRESCRIBED UNDER SECTION 149 (5) OF THE ABOVE ACT

NOTE: "When information pursuant to Section 149 (5) is requested the council is under no obligation to furnish any of the information supplied herein pursuant to that Section. Council draws your attention to Section 149 (6), which states that a council shall not incur any liability in respect of any advice provided in good faith pursuant to sub-section (5). The absence of any reference to any matter affecting the land shall not imply that the land is not affected by any matter not referred to in this certificate."

- A. Whether there are any provisions applying to the land that control the management of trees and bushland?

YES

Clause 5.9 of State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Appendix 2 North Kellyville Precinct Plan) and (Appendix 11 The Hills Growth Centre Precinct Plan) contains provisions for the preservation of trees and other vegetation.

Note: Appendix 11 The Hills Growth Centre Precinct Plan applies to land within the Box Hill Precinct or Box Hill Industrial Precinct.

- B. Does the land contain a foreshore area as identified on The Hills Local Environmental Plan 2012 Foreshore Building Line map?

NO

- C. Under the Protection of the Environment Operations Act 1997, is the property subject to a listing on the public register maintained by council with respect to an environmental notice or civil proceedings in the Land and Environment Court, or a prosecution under this Act?

NO

- D. Is the land affected by any special provisions of Sydney Regional Environmental Plan No 9 – Extractive Industry (No 2 – 1995)?

NO

- E. Is the land affected by a restricted development area as identified under The Hills Development Control Plan 2012?

NO

- F. Is the land within an area where a Special Infrastructure Contribution, as determined by the Minister for Planning and Infrastructure, applies?

YES

The land is within the Special Infrastructure Contribution – Western Sydney Growth Areas under the *Environmental Planning and Assessment Act 1979*.

Refer to the Department of Planning and Infrastructure for further information
www.planning.nsw.gov.au

- G. Is the land in the vicinity of a heritage item or heritage conservation area as described in The Hills Local Environmental Plan 2012 OR State Environmental Planning Policy (Sydney Region Growth Centres) 2006?

NO

- H. Whether Council has adopted a Voluntary Planning Agreement within the meaning of S93F of the Environmental Planning and Assessment Act, 1979, as amended, in relation to the land?

NO

- I. Is the land within or adjacent to the Sydney Metro Northwest as identified on the maps prepared by Transport NSW?

NO

- J. Does the land contain a proposed road as identified within a Development Control Plan under State Environmental Planning Policy (Sydney Region Growth Centres) 2006?

YES

The North Kellyville Development Control Plan, prepared by the Department of Planning and Infrastructure, identifies the land as being affected by a proposed road on the Indicative Layout Plan. Refer <http://www.planning.nsw.gov.au/Plans-for-your-area/Priority-Growth-Areas-and-Precincts/North-West-Priority-Growth-Area/North-Kellyville>

- K. Has Council been notified by NSW Land and Property Information that the land is affected by a plan of acquisition for railway purposes (Sydney Metro Northwest)?

NO

THE HILLS SHIRE COUNCIL

MICHAEL EDGAR
ACTING GENERAL MANAGER

Per: 

PLEASE NOTE: COUNCIL RETAINS THE ELECTRONIC ORIGINAL OF THIS CERTIFICATE. WHERE THIS CERTIFICATE REFERS TO INFORMATION DISPLAYED ON COUNCIL'S WEBSITE OR TO ANY EXTERNAL WEBSITE, IT REFERS TO INFORMATION DISPLAYED ON THE WEBSITE ON THE DATE THIS CERTIFICATE IS ISSUED.

ATTACHMENT 1(2)(B)

The North West Priority Growth Area Land Use and Infrastructure Implementation Plan

The North West Priority Growth Area Land Use and Infrastructure Implementation Plan was released for public exhibition on Monday 15 May 2017. The Implementation Plan updates the planning framework for the North West Priority Growth Area (formally known as the North West Growth Centre) in light of the extent of urban development and demand for housing that has occurred since the release of the North West Growth Centre Structure Plan in 2006.

The Implementation Plan would be brought into effect by amendments to State Environmental Planning Policy (Sydney Region Growth Centres) 2006, associated Development Control Plans and Section 117 Ministerial Direction.

The key proposed changes to State Environmental Planning Policy (Sydney Region Growth Centres) 2006 for North Kellyville and Box Hill include:

- Introduction of minimum and maximum densities for all residential areas that have been rezoned under the SEPP; and
- Set minimum subdivision lot sizes in all residential areas that have been rezoned under the SEPP and some residential land uses consistent with the standard instrument Local Environmental Plan.

NOTE: The above details are in keeping with the exhibited planning proposal. Please note that changes to the proposal may be made post exhibition. The current status and details of the proposal can be viewed at NSW Department of Planning & Environment at http://planspolicies.planning.nsw.gov.au/index.pl?action=job_listing&status=exhibition.

ATTACHMENT 1(2)(B)

PLANNING CHANGES FOR SHOP TOP HOUSING AND MIXED USE DEVELOPMENTS ACROSS THE HILLS SHIRE (11/2016/PLP)

Proposed changes for shop top housing and mixed use developments are being re-exhibited due to the complexities of the proposed amendments and changes arising from the finalisation of a separate planning proposal that rezoned land in the Box Hill Release Area.

The key proposed changes to The Hills Local Environmental Plan 2012 and State Environmental Planning Policy (Sydney Region Growth Centres) 2006 for North Kellyville and Box Hill include:

1. Reduce the maximum height for shop top housing and residential flat buildings as part of mixed use developments on certain land;
2. Limit residential yield within shop top housing and residential flat buildings as part of mixed use developments on certain land; and

3. Prohibit shop top housing in certain zones in the North Kellyville and Box Hill release areas.

Also on exhibition are Development Control Plan amendments for shop top housing and residential flat buildings as part of mixed use developments relating to building height, setbacks, common open space, landscaping, access, unit size/mix, parking, visual privacy, solar access, private open space, ventilation and storage.

The changes are responding to recent applications and enquiries to undertake shop top housing and mixed use developments in areas where higher residential densities are not intended. The changes seek to ensure that any future developments are in keeping with the intended scale and character of development for that locality and with the desired role and function of centres.

Further details on the proposed amendments can be found in the exhibition material available at the libraries and on Council's website.

The above details are in keeping with the exhibited planning proposal. Please note that changes to the planning proposal may be made post exhibition. The current status and details of the planning proposal can be viewed on Council's website www.thehills.nsw.gov.au under 'Application Tracking' on the home page or under the 'Planning & Development' menu bar.

ATTACHMENT 2(B)

STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 (APPENDIX 2 NORTH KELLYVILLE PRECINCT)

Zone R1 General Residential

1 Objectives of zone

- To provide for the housing needs of the community.
- To provide for a variety of housing types and densities.
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.
- To encourage medium density housing in locations of high amenity adjoining open space and accessible transport corridors.
- To support the well being of the community, including educational, recreational, community, religious and other activities and, where appropriate, neighbourhood shops if there will be no adverse effect on the amenity of proposed or existing nearby residential development.
- To allow for low intensity tourist and visitor accommodation that does not interfere with residential amenity.
- To provide for a variety of recreational uses within open space areas.

2 Permitted without consent Home occupations

3 Permitted with consent

Attached dwellings; Bed and breakfast accommodation; Boarding houses; Child care centres; Community facilities; Dual occupancies; Dwelling houses; Educational establishments; Group homes; Home businesses; Hostels; Multi dwelling housing; Neighbourhood shops; Places of public worship; Residential flat buildings; Roads; Secondary dwellings; Semi-detached dwellings; Seniors housing; Shop top housing; Studio dwellings; Any other development not specified in item 2 or 4.

4 Prohibited

Agriculture; Amusement centres; Biosolid waste applications; Bulky goods premises; Business premises; Canal estate developments; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Electricity generating works; Entertainment facilities; Extractive industries; Freight transport facilities; Home occupations (sex services); Industries; Information and education facilities; Marinas; Passenger transport facilities; Public administration buildings; Retail premises; Rural workers' dwellings; Storage premises; Tourist and visitor accommodation; Vehicle sales or hire premises; Waste or resource management facilities; Wholesale supplies.

NOTE: This land use table should be read in conjunction with the Dictionary at the end of STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 which defines words and expressions for the purpose of the plan.

NOTE: Activities permitted without development consent are still subject to other provisions in Environmental Planning Instruments and/or Acts.

ATTACHMENT 2(B)

STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 (APPENDIX 2 NORTH KELLYVILLE PRECINCT)

Zone R2 Low Density Residential

1 Objectives of zone

- To provide for the housing needs of the community within a low density residential environment.
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.
- To provide for a variety of housing types but primarily low density detached housing.
- To support the well being of the community, including educational, recreational, community, religious and other activities if there will be no adverse effect on the amenity of the proposed or existing nearby residential development.

2 Permitted without consent
Home occupations

3 Permitted with consent
Community facilities; Drainage; Dual occupancies; Dwelling houses; Earthworks; Educational establishments; Environmental protection works; Exhibition homes; Exhibition villages; Group homes; Health consulting rooms; Home businesses; Information and education facilities; Recreation areas; Roads; Secondary dwellings; Semi-detached dwellings; Seniors housing; Studio dwellings; Water recycling facilities; Waterbodies (artificial).

4 Prohibited
Any development not specified in item 2 or 3.

NOTE: This land use table should be read in conjunction with the Dictionary at the end of STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 which defines words and expressions for the purpose of the plan.

NOTE: Activities permitted without development consent are still subject to other provisions in Environmental Planning Instruments and/or Acts.

ATTACHMENT 2(B1)

A proposed environmental planning instrument applies to the land and identifies the land to be:

STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 (APPENDIX 2 NORTH KELLYVILLE PRECINCT)

Zone R1 General Residential

1 Objectives of zone

- To provide for the housing needs of the community.
- To provide for a variety of housing types and densities.
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.
- To encourage medium density housing in locations of high amenity adjoining open space and accessible transport corridors.
- To support the well being of the community, including educational, recreational, community, religious and other activities and, where appropriate, neighbourhood shops if there will be no adverse effect on the amenity of proposed or existing nearby residential development.
- To allow for low intensity tourist and visitor accommodation that does not interfere with residential amenity.
- To provide for a variety of recreational uses within open space areas.

2 Permitted without consent Home occupations

3 Permitted with consent

Attached dwellings; Bed and breakfast accommodation; Boarding houses; Child care centres; Community facilities; Dual occupancies; Dwelling houses; Educational establishments; Group homes; Home businesses; Hostels; Multi dwelling housing; Neighbourhood shops; Places of public worship; Residential flat buildings; Roads; Secondary dwellings; Semi-detached dwellings; Seniors housing; Shop top housing; Studio dwellings; Any other development not specified in item 2 or 4.

4 Prohibited

Agriculture; Amusement centres; Biosolid waste applications; Bulky goods premises; Business premises; Canal estate developments; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Electricity generating works; Entertainment facilities; Extractive industries; Freight transport facilities; Home occupations (sex services); Industries; Information and education facilities; Marinas; Passenger transport facilities; Public administration buildings; Retail premises; Rural workers' dwellings; Storage premises; Tourist and visitor accommodation; Vehicle sales or hire premises; Waste or resource management facilities; Wholesale supplies.

NOTE: This land use table should be read in conjunction with the Dictionary at the end of STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 which defines words and expressions for the purpose of the plan.

NOTE: Activities permitted without development consent are still subject to other provisions in Environmental Planning Instruments and/or Acts.

ATTACHMENT 2(B1)

A proposed environmental planning instrument applies to the land and identifies the land to be:

STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 (APPENDIX 2 NORTH KELLYVILLE PRECINCT)

Zone R2 Low Density Residential

- 1 Objectives of zone
 - To provide for the housing needs of the community within a low density residential environment.
 - To enable other land uses that provide facilities or services to meet the day to day needs of residents.
 - To provide for a variety of housing types but primarily low density detached housing.
 - To support the well being of the community, including educational, recreational, community, religious and other activities if there will be no adverse effect on the amenity of the proposed or existing nearby residential development.
- 2 Permitted without consent
Home occupations
- 3 Permitted with consent
Community facilities; Drainage; Dual occupancies; Dwelling houses; Earthworks; Educational establishments; Environmental protection works; Exhibition homes; Exhibition villages; Group homes; Health consulting rooms; Home businesses; Information and education facilities; Recreation areas; Roads; Secondary dwellings; Semi-detached dwellings; Seniors housing; Studio dwellings; Water recycling facilities; Waterbodies (artificial).
- 4 Prohibited
Any development not specified in item 2 or 3.

NOTE: This land use table should be read in conjunction with the Dictionary at the end of STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006 which defines words and expressions for the purpose of the plan.

NOTE: Activities permitted without development consent are still subject to other provisions in Environmental Planning Instruments and/or Acts.



SafeWork NSW

Locked Bag 2906, Lisarow NSW 2252

Customer Experience 13 10 50

ABN 81 913 830 179 | www.safework.nsw.gov.au

21 JUN 2017

Our Ref: D17/161124
Your Ref: David Walker

15 June 2017

Attention: David Walker
Douglas Partners Pty Ltd
PO BOX 472
West Ryde NSW 1685

Dear Mr Walker

RE SITE: 120 Hezlett Rd Kellyville NSW

I refer to your site search request received by SafeWork NSW on 31 May 2017 requesting information on Storage of Hazardous Chemicals for the above site.

A search of the records held by SafeWork NSW has not located any records pertaining to the above mentioned premises.

For further information or if you have any questions, please call us on 13 10 50 or email licensing@safework.nsw.gov.au

Yours sincerely

Customer Service Officer
Customer Experience - Operations
SafeWork NSW

Appendix D

Test Pit Logs



Sampling

Sampling is carried out during drilling or test pitting to allow engineering examination (and laboratory testing where required) of the soil or rock.

Disturbed samples taken during drilling provide information on colour, type, inclusions and, depending upon the degree of disturbance, some information on strength and structure.

Undisturbed samples are taken by pushing a thin-walled sample tube into the soil and withdrawing it to obtain a sample of the soil in a relatively undisturbed state. Such samples yield information on structure and strength, and are necessary for laboratory determination of shear strength and compressibility. Undisturbed sampling is generally effective only in cohesive soils.

Test Pits

Test pits are usually excavated with a backhoe or an excavator, allowing close examination of the in-situ soil if it is safe to enter into the pit. The depth of excavation is limited to about 3 m for a backhoe and up to 6 m for a large excavator. A potential disadvantage of this investigation method is the larger area of disturbance to the site.

Large Diameter Augers

Boreholes can be drilled using a rotating plate or short spiral auger, generally 300 mm or larger in diameter commonly mounted on a standard piling rig. The cuttings are returned to the surface at intervals (generally not more than 0.5 m) and are disturbed but usually unchanged in moisture content. Identification of soil strata is generally much more reliable than with continuous spiral flight augers, and is usually supplemented by occasional undisturbed tube samples.

Continuous Spiral Flight Augers

The borehole is advanced using 90-115 mm diameter continuous spiral flight augers which are withdrawn at intervals to allow sampling or in-situ testing. This is a relatively economical means of drilling in clays and sands above the water table. Samples are returned to the surface, or may be collected after withdrawal of the auger flights, but they are disturbed and may be mixed with soils from the sides of the hole. Information from the drilling (as distinct from specific sampling by SPTs or undisturbed samples) is of relatively low

reliability, due to the remoulding, possible mixing or softening of samples by groundwater.

Non-core Rotary Drilling

The borehole is advanced using a rotary bit, with water or drilling mud being pumped down the drill rods and returned up the annulus, carrying the drill cuttings. Only major changes in stratification can be determined from the cuttings, together with some information from the rate of penetration. Where drilling mud is used this can mask the cuttings and reliable identification is only possible from separate sampling such as SPTs.

Continuous Core Drilling

A continuous core sample can be obtained using a diamond tipped core barrel, usually with a 50 mm internal diameter. Provided full core recovery is achieved (which is not always possible in weak rocks and granular soils), this technique provides a very reliable method of investigation.

Standard Penetration Tests

Standard penetration tests (SPT) are used as a means of estimating the density or strength of soils and also of obtaining a relatively undisturbed sample. The test procedure is described in Australian Standard 1289, Methods of Testing Soils for Engineering Purposes - Test 6.3.1.

The test is carried out in a borehole by driving a 50 mm diameter split sample tube under the impact of a 63 kg hammer with a free fall of 760 mm. It is normal for the tube to be driven in three successive 150 mm increments and the 'N' value is taken as the number of blows for the last 300 mm. In dense sands, very hard clays or weak rock, the full 450 mm penetration may not be practicable and the test is discontinued.

The test results are reported in the following form.

- In the case where full penetration is obtained with successive blow counts for each 150 mm of, say, 4, 6 and 7 as:
4,6,7
N=13
- In the case where the test is discontinued before the full penetration depth, say after 15 blows for the first 150 mm and 30 blows for the next 40 mm as:
15, 30/40 mm

Sampling Methods

The results of the SPT tests can be related empirically to the engineering properties of the soils.

Dynamic Cone Penetrometer Tests / Perth Sand Penetrometer Tests

Dynamic penetrometer tests (DCP or PSP) are carried out by driving a steel rod into the ground using a standard weight of hammer falling a specified distance. As the rod penetrates the soil the number of blows required to penetrate each successive 150 mm depth are recorded. Normally there is a depth limitation of 1.2 m, but this may be extended in certain conditions by the use of extension rods. Two types of penetrometer are commonly used.

- Perth sand penetrometer - a 16 mm diameter flat ended rod is driven using a 9 kg hammer dropping 600 mm (AS 1289, Test 6.3.3). This test was developed for testing the density of sands and is mainly used in granular soils and filling.
- Cone penetrometer - a 16 mm diameter rod with a 20 mm diameter cone end is driven using a 9 kg hammer dropping 510 mm (AS 1289, Test 6.3.2). This test was developed initially for pavement subgrade investigations, and correlations of the test results with California Bearing Ratio have been published by various road authorities.



Description and Classification Methods

The methods of description and classification of soils and rocks used in this report are based on Australian Standard AS 1726-1993, Geotechnical Site Investigations Code. In general, the descriptions include strength or density, colour, structure, soil or rock type and inclusions.

Soil Types

Soil types are described according to the predominant particle size, qualified by the grading of other particles present:

Type	Particle size (mm)
Boulder	>200
Cobble	63 - 200
Gravel	2.36 - 63
Sand	0.075 - 2.36
Silt	0.002 - 0.075
Clay	<0.002

The sand and gravel sizes can be further subdivided as follows:

Type	Particle size (mm)
Coarse gravel	20 - 63
Medium gravel	6 - 20
Fine gravel	2.36 - 6
Coarse sand	0.6 - 2.36
Medium sand	0.2 - 0.6
Fine sand	0.075 - 0.2

The proportions of secondary constituents of soils are described as:

Term	Proportion	Example
And	Specify	Clay (60%) and Sand (40%)
Adjective	20 - 35%	Sandy Clay
Slightly	12 - 20%	Slightly Sandy Clay
With some	5 - 12%	Clay with some sand
With a trace of	0 - 5%	Clay with a trace of sand

Definitions of grading terms used are:

- Well graded - a good representation of all particle sizes
- Poorly graded - an excess or deficiency of particular sizes within the specified range
- Uniformly graded - an excess of a particular particle size
- Gap graded - a deficiency of a particular particle size with the range

Cohesive Soils

Cohesive soils, such as clays, are classified on the basis of undrained shear strength. The strength may be measured by laboratory testing, or estimated by field tests or engineering examination. The strength terms are defined as follows:

Description	Abbreviation	Undrained shear strength (kPa)
Very soft	vs	<12
Soft	s	12 - 25
Firm	f	25 - 50
Stiff	st	50 - 100
Very stiff	vst	100 - 200
Hard	h	>200

Cohesionless Soils

Cohesionless soils, such as clean sands, are classified on the basis of relative density, generally from the results of standard penetration tests (SPT), cone penetration tests (CPT) or dynamic penetrometers (PSP). The relative density terms are given below:

Relative Density	Abbreviation	SPT N value	CPT qc value (MPa)
Very loose	vl	<4	<2
Loose	l	4 - 10	2 - 5
Medium dense	md	10 - 30	5 - 15
Dense	d	30 - 50	15 - 25
Very dense	vd	>50	>25

Soil Descriptions

Soil Origin

It is often difficult to accurately determine the origin of a soil. Soils can generally be classified as:

- Residual soil - derived from in-situ weathering of the underlying rock;
- Transported soils - formed somewhere else and transported by nature to the site; or
- Filling - moved by man.

Transported soils may be further subdivided into:

- Alluvium - river deposits
- Lacustrine - lake deposits
- Aeolian - wind deposits
- Littoral - beach deposits
- Estuarine - tidal river deposits
- Talus - scree or coarse colluvium
- Slopewash or Colluvium - transported downslope by gravity assisted by water. Often includes angular rock fragments and boulders.



Rock Strength

Rock strength is defined by the Point Load Strength Index ($Is_{(50)}$) and refers to the strength of the rock substance and not the strength of the overall rock mass, which may be considerably weaker due to defects. The test procedure is described by Australian Standard 4133.4.1 - 2007. The terms used to describe rock strength are as follows:

Term	Abbreviation	Point Load Index $Is_{(50)}$ MPa	Approximate Unconfined Compressive Strength MPa*
Extremely low	EL	<0.03	<0.6
Very low	VL	0.03 - 0.1	0.6 - 2
Low	L	0.1 - 0.3	2 - 6
Medium	M	0.3 - 1.0	6 - 20
High	H	1 - 3	20 - 60
Very high	VH	3 - 10	60 - 200
Extremely high	EH	>10	>200

* Assumes a ratio of 20:1 for UCS to $Is_{(50)}$. It should be noted that the UCS to $Is_{(50)}$ ratio varies significantly for different rock types and specific ratios should be determined for each site.

Degree of Weathering

The degree of weathering of rock is classified as follows:

Term	Abbreviation	Description
Extremely weathered	EW	Rock substance has soil properties, i.e. it can be remoulded and classified as a soil but the texture of the original rock is still evident.
Highly weathered	HW	Limonite staining or bleaching affects whole of rock substance and other signs of decomposition are evident. Porosity and strength may be altered as a result of iron leaching or deposition. Colour and strength of original fresh rock is not recognisable
Moderately weathered	MW	Staining and discolouration of rock substance has taken place
Slightly weathered	SW	Rock substance is slightly discoloured but shows little or no change of strength from fresh rock
Fresh stained	Fs	Rock substance unaffected by weathering but staining visible along defects
Fresh	Fr	No signs of decomposition or staining

Degree of Fracturing

The following classification applies to the spacing of natural fractures in diamond drill cores. It includes bedding plane partings, joints and other defects, but excludes drilling breaks.

Term	Description
Fragmented	Fragments of <20 mm
Highly Fractured	Core lengths of 20-40 mm with some fragments
Fractured	Core lengths of 40-200 mm with some shorter and longer sections
Slightly Fractured	Core lengths of 200-1000 mm with some shorter and longer sections
Unbroken	Core lengths mostly > 1000 mm

Rock Descriptions

Rock Quality Designation

The quality of the cored rock can be measured using the Rock Quality Designation (RQD) index, defined as:

$$\text{RQD \%} = \frac{\text{cumulative length of 'sound' core sections} \geq 100 \text{ mm long}}{\text{total drilled length of section being assessed}}$$

where 'sound' rock is assessed to be rock of low strength or better. The RQD applies only to natural fractures. If the core is broken by drilling or handling (i.e. drilling breaks) then the broken pieces are fitted back together and are not included in the calculation of RQD.

Stratification Spacing

For sedimentary rocks the following terms may be used to describe the spacing of bedding partings:

Term	Separation of Stratification Planes
Thinly laminated	< 6 mm
Laminated	6 mm to 20 mm
Very thinly bedded	20 mm to 60 mm
Thinly bedded	60 mm to 0.2 m
Medium bedded	0.2 m to 0.6 m
Thickly bedded	0.6 m to 2 m
Very thickly bedded	> 2 m

Symbols & Abbreviations

Douglas Partners



Introduction

These notes summarise abbreviations commonly used on borehole logs and test pit reports.

Drilling or Excavation Methods

C	Core drilling
R	Rotary drilling
SFA	Spiral flight augers
NMLC	Diamond core - 52 mm dia
NQ	Diamond core - 47 mm dia
HQ	Diamond core - 63 mm dia
PQ	Diamond core - 81 mm dia

Water

▷	Water seep
▽	Water level

Sampling and Testing

A	Auger sample
B	Bulk sample
D	Disturbed sample
E	Environmental sample
U ₅₀	Undisturbed tube sample (50mm)
W	Water sample
pp	Pocket penetrometer (kPa)
PID	Photo ionisation detector
PL	Point load strength Is(50) MPa
S	Standard Penetration Test
V	Shear vane (kPa)

Description of Defects in Rock

The abbreviated descriptions of the defects should be in the following order: Depth, Type, Orientation, Coating, Shape, Roughness and Other. Drilling and handling breaks are not usually included on the logs.

Defect Type

B	Bedding plane
Cs	Clay seam
Cv	Cleavage
Cz	Crushed zone
Ds	Decomposed seam
F	Fault
J	Joint
Lam	Lamination
Pt	Parting
Sz	Sheared Zone
V	Vein

Orientation

The inclination of defects is always measured from the perpendicular to the core axis.

h	horizontal
v	vertical
sh	sub-horizontal
sv	sub-vertical

Coating or Infilling Term

cln	clean
co	coating
he	healed
inf	infilled
stn	stained
ti	tight
vn	veneer

Coating Descriptor

ca	calcite
cbs	carbonaceous
cly	clay
fe	iron oxide
mn	manganese
slt	silty

Shape

cu	curved
ir	irregular
pl	planar
st	stepped
un	undulating

Roughness

po	polished
ro	rough
sl	slickensided
sm	smooth
vr	very rough

Other

fg	fragmented
bnd	band
qtz	quartz

Symbols & Abbreviations

Graphic Symbols for Soil and Rock

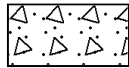
General



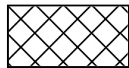
Asphalt



Road base



Concrete

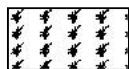


Filling

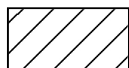
Soils



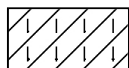
Topsoil



Peat



Clay



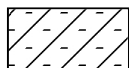
Silty clay



Sandy clay



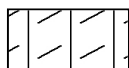
Gravelly clay



Shaly clay



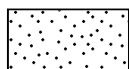
Silt



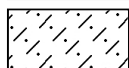
Clayey silt



Sandy silt



Sand



Clayey sand



Silty sand



Gravel



Sandy gravel



Cobbles, boulders



Talus

Sedimentary Rocks



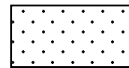
Boulder conglomerate



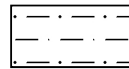
Conglomerate



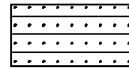
Conglomeratic sandstone



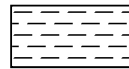
Sandstone



Siltstone



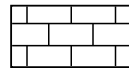
Laminite



Mudstone, claystone, shale

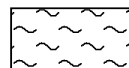


Coal

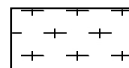


Limestone

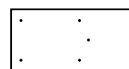
Metamorphic Rocks



Slate, phyllite, schist

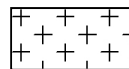


Gneiss

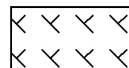


Quartzite

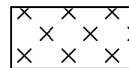
Igneous Rocks



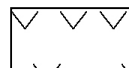
Granite



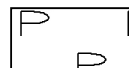
Dolerite, basalt, andesite



Dacite, epidote



Tuff, breccia



Porphyry

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 73.8 AHD
EASTING: 310219.3
NORTHING: 6270144.6

PIT No: TP1
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
73	0.6	FILLING - grey-brown clay filling with some fine igneous gravel (topsoil)		D	0.0		PID<1					
					0.2							
				D*	0.4		PID<1					
					0.5							
1		CLAY - orange mottled yellow clay		D	0.9		PID<1					
					1.0							
				D	1.4		PID<1					
1.5		Pit discontinued at 1.5m - target depth reached			1.5							
2												
3												
4												

RIG: Yanmar V:055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD2/150617 taken at 0.4m to 0.5m

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 73.9 AHD
EASTING: 310241.1
NORTHING: 6270132.9

PIT No: TP2
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
73	0.3	FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - mottled orange and yellow clay		D	0.4		PID<1					
					0.5							
					0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
72	2											
71	3											
70	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 74.7 AHD
EASTING: 310246.4
NORTHING: 6270118.8

PIT No: TP3
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
74	0.3	FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - mottled orange and yellow clay			0.4		PID<1					
				D	0.5							
					0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
73												
2												
72												
3												
71												
4												
70												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.0 AHD
EASTING: 310250.9
NORTHING: 6270106.4

PIT No: TP4
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
75	0.0	FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
	0.2	CLAY - mottled orange and yellow clay 0.3m: becoming light grey-orange		D	0.2		PID<1					
	0.4				0.4							
	0.5				0.5							
74	1.0	Pit discontinued at 1.0m - target depth reached										
73	2											
72	3											
71	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.3 AHD
EASTING: 310256.5
NORTHING: 6270090.5

PIT No: TP5
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
75	0.3	FILLING - dark brown silty clay filling with some fine to medium igneous gravel, shale fragments and rootlets (topsoil)		D	0.0		PID<1					
					0.2							
		SHALE - extremely low strength, extremely weathered, light grey-yellow shale, soil properties		D	0.4		PID<1					
					0.5							
	0.8	SHALE - very low strength, extremely to highly weathered, light grey shale			0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
74												
2												
73												
3												
72												
4												
71												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.0 AHD
EASTING: 310264.8
NORTHING: 6270065.4

PIT No: TP6
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
75	0.1	FILLING - brown silty clay with some rootlets (topsoil)		D	0.0		PID<1					
		FILLING - grey gravelly clay filling with some shale fragments			0.1							
	0.5	FILLING - dark brown clay filling with some fine to medium igneous gravel		D	0.4		PID<1					
				D	0.5		PID<1					
	0.7	CLAY - mottled orange and yellow clay with some angular shale fragments <20mm			0.6							
				D	0.9		PID<1					
74	1				1.0							
	1.3	Pit discontinued at 1.3m - target depth reached										
73	2											
72	3											
71	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 73.7 AHD
EASTING: 310257.9
NORTHING: 6270174.2

PIT No: TP7
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
73 1 72 2 71 3 70 4 69	0.4	FILLING - brown and light grey clay filling with some fine igneous and extremely weathered shale gravel		D*	0.0		PID<1					
					0.1							
		CLAY - firm, orange and grey clay		D	0.4		PID<1					
					0.5							
					0.9		PID<1					
				D	1.0							
					1.4		PID<1					
				D	1.5							
					1.9		PID<1					
				D	2.0							
					2.4		PID<1					
				D	2.5							
	3.0	Pit discontinued at 3.0m - maximum reach of excavator										

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD1/150617, AF/FA bag taken at 0.0m to 0.1m

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 74.4 AHD
EASTING: 310268.1
NORTHING: 6270144.7

PIT No: TP8
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
74	0.0	FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
	0.2	FILLING - light grey clay and extremely weathered shale filling			0.2							
	0.3			D	0.3		PID<1					
	0.4			D	0.4		PID<1					
	0.5				0.5							
1	0.9				0.9							
	1.0			D	1.0		PID<1					
	1.0	Pit discontinued at 1.0m - target depth reached										
73												
2												
72												
3												
71												
4												
70												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.38 AHD
EASTING: 310273.97
NORTHING: 6270129.3

PIT No: TP9
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

[illegible]

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
	Core drilling	W	Water sample
C	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



Douglas Partners
Geotechnics | Environment | Groundwater

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 76.0 AHD
EASTING: 310278.8
NORTHING: 6270116.7

PIT No: TP10
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
76		FILLING - brown silty clay with some rootlets (topsoil)		D	0.0		PID<1					
	0.2	CLAY - mottled orange and yellow clay 0.3m: becoming light grey-orange		D	0.2		PID<1					
					0.4							
					0.5							
75	1.0	Pit discontinued at 1.0m - target depth reached										
74	2											
73	3											
72	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 76.8 AHD
EASTING: 310286
NORTHING: 6220097.8

PIT No: TP11
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
76	0.22	FILLING - brown silty clay filling with some fine to medium igneous gravel, fine brick and concrete fragments and rootlets (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - mottled orange and yellow clay with some sandstone fragments		D	0.4		PID<1					
					0.5							
76	0.85	SHALE - low strength, extremely weathered, light grey shale			0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
75	2											
74	3											
73	4											
72												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 76.5 AHD
EASTING: 310292.1
NORTHING: 6270072.9

PIT No: TP12
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

[illegible]

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD1/160617 taken at 0.9m to 1.0m

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
	Core drilling	W	Water sample
C	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 73.7 AHD
EASTING: 310269.8
NORTHING: 6270178.7

PIT No: TP13
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
73 												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 74.7 AHD
EASTING: 310285.2
NORTHING: 6270150.9

PIT No: TP14
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
74	0.24	FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
					0.1							
	1.0	CLAY - firm, mottled orange-yellow clay			0.4		PID<1					
				D	0.5							
					0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
73												
2												
72												
3												
71												
4												
70												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.5 AHD
EASTING: 310288.6
NORTHING: 6270136.5

PIT No: TP15
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
75		FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
	0.25	CLAY - firm, mottled orange and yellow clay			0.2							
				D	0.4		PID<1					
					0.5							
1	0.8	SHALE - low strength, extremely weathered, light grey shale			0.9		PID<1					
	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
74												
2												
73												
3												
72												
4												
71												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 76.3 AHD
EASTING: 310292.11
NORTHING: 6270125.24

PIT No: TP16
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
76	0.2	FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
		0.2			PID<1							
		D		0.4								
				0.5								
1	1.0	Pit discontinued at 1.0m - target depth reached						1				
75												
2								2				
74												
3								3				
73												
4								4				
72												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 77.5 AHD
EASTING: 310300.4
NORTHING: 6270099.9

PIT No: TP17
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
77	0.5	FILLING - dark brown, silt and organic matter with fine to medium angular gravel (topsoil)		D	0.1		PID<1					
					0.2							
		CLAY - brown-orange clay, slightly moist		D	0.5		PID<1					
					0.6							
1	1.1	Pit discontinued at 1.1m - target depth reached		D	1.0		PID<1	-1				
	1.1				1.1							
76												
2								-2				
75												
3								-3				
74												
4								-4				
73												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
BB	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 77.23 AHD
EASTING: 310306.16
NORTHING: 6270076.67

PIT No: TP18
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
77		FILLING - brown silty clay filling with some fine to medium igneous gravel, fine brick fragments and black plastic sheeting		D	0.0		PID<1					
					0.1							
	0.3	SHALE - extremely low strength, extremely weathered, orange and light grey shale (soil properties)		D			PID<1					
					0.4							
					0.5							
	0.6	SHALE - low strength, extremely weathered, light grey shale										
	0.8	Pit discontinued at 0.8m - refusal on shale										
1												
76												
2												
75												
3												
74												
4												
73												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 73.4 AHD
EASTING: 310283.1
NORTHING: 6270184.1

PIT No: TP19
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

[illegible]

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.29 AHD
EASTING: 310304.45
NORTHING: 6270156.99

PIT No: TP20
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
75	0.0	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
	0.1				0.1							
	0.2	FILLING - brown clay filling with some fine to medium igneous gravel			0.3		PID<1					
	0.4			D	0.4		PID<1					
	0.5	CLAY - stiff, orange mottled yellow clay 0.4m: charcoal at interface (0.4-0.5m)		D	0.5							
1	0.9				0.9		PID<1					
	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
74												
2												
73												
3												
72												
4												
71												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 76.22 AHD
EASTING: 310310.17
NORTHING: 6270145.02

PIT No: TP21
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
76	0.2	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0 0.1		PID<1					
		CLAY - stiff, mottled orange-yellow clay			0.4 0.5		PID<1					
	D											
	D			0.9 1.0		PID<1						
75	1.0	Pit discontinued at 1.0m - target depth reached						1				
74	2								2			
73	3									3		
72	4										4	

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W _s	Water seep
E	Environmental sample	W _l	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test (s(50) (MPa)
		PL(D)	Point load diametral test (s(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 76.96 AHD
EASTING: 310315.33
NORTHING: 6270134.02

PIT No: TP22
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
76	0.2	FILLING - brown silty clay with rootlets (topsoil)		D	0.0		PID<1					
					0.1							
	0.8	CLAY - firm, orange mottled yellow clay					PID<1					
					0.4							
				D	0.5							
	1.0	SHALE - low strength, extremely weathered, light grey shale			0.9		PID<1					
				D	1.0							
	1.0	Pit discontinued at 1.0m - target depth reached										
75	2											
74	3											
73	4											
72												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 78.3 AHD
EASTING: 310323.9
NORTHING: 6270108.6

PIT No: TP23
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
78	0.0	FILLING - dark brown silty clay filling, organic material (grass) and with roots (topsoil)		D	0.0		PID<1					
				D	0.1		PID<1					
					0.2							
	0.5	CLAY - very stiff, orange clay, slightly moist		D	0.5		PID<1					
					0.6							
	1.0	CLAY - orange-grey clay, slightly moist		D	1.0		PID<1					
1.1	1.1	Pit discontinued at 1.1m - target depth reached			1.1							
77												
2												
76												
3												
75												
4												
74												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U _s	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W _s	Water seep
E	Environmental sample	W _L	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 78.1 AHD
EASTING: 310338.5
NORTHING: 6270082.5

PIT No: TP24
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)					
				Type	Depth	Sample	Results & Comments		5	10	15	20		
78	0.2	FILLING - dark brown silt with organic matter and roots (topsoil)		D	0.0		PID<1							
		D		0.1	PID<1									
		D		0.2	PID<1									
				0.3										
	1	1.0	CLAY - firm, orange-grey clay, slightly moist											
77	1.2	Pit discontinued at 1.2m - target depth reached		D	1.0		PID<1	1						
		1.1												
2														
76														
3														
75														
4														
74														

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 73.76 AHD
EASTING: 310312.52
NORTHING: 6270192.57

PIT No: TP25
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
	0.2	FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
	0.5	FILLING - brown silty clay filling with some fine igneous gravel and charcoal fragments			0.2							
				D	0.4		PID<1					
		CLAY - firm, orange mottled yellow clay			0.5							
					0.9		PID<1					
				D	1.0							
	1.5	Pit discontinued at 1.5m - target depth reached										
	2											
	3											
	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.9 AHD
EASTING: 310323.4
NORTHING: 6270166

PIT No: TP26
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

[illegible]

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W _s	Water seep
E	Environmental sample	W _l	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test (s(50) (MPa)
		PL(D)	Point load diametral test (s(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 76.8 AHD
EASTING: 310327.8
NORTHING: 6270152.7

PIT No: TP27
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
76	0.15	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
		CLAY - firm, orange mottled yellow clay			0.1							
					0.4		PID<1					
				D	0.5							
					0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
75	2											
74	3											
73	4											
72												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 77.6 AHD
EASTING: 310332.6
NORTHING: 6270141.7

PIT No: TP28
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
77	0.2	FILLING - brown silty clay with some rootlets (topsoil)		D	0.0			PID<1					
		0.1											
		CLAY - firm, orange-yellow clay		D	0.4			PID<1					
					0.5								
	0.8	SHALE - low strength, extremely weathered, light grey shale		D	0.9			PID<1					
	1.0												
		Pit discontinued at 1.0m - target depth reached											
	76												
75													
74													
73													

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.1 AHD
EASTING: 310346.28
NORTHING: 6270114.24

PIT No: TP29
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79		FILLING - brown silt filling with some roots and wood debris, slightly moist (topsoil)		D	0.0		PID<1					
					0.1							
	0.4	CLAY - orange clay, slightly moist		D	0.4		PID<1					
					0.5							
	0.6	CLAY - firm, orange-grey clay, slightly moist		D	0.6		PID<1					
					0.7							
1								1				
78	1.3	Pit discontinued at 1.3m - target depth reached										
2								2				
77												
3								3				
76												
4								4				
75												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 78.9 AHD
EASTING: 310351.48
NORTHING: 6270096.18

PIT No: TP30
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
78.9 78.8 78.7 78.6 78.5 78.4	0.2	FILLING - dark brown silt with some roots, slightly moist (topsoil)		D	0.0		PID<1					
					0.1							
					0.2		PID<1					
					0.3							
	0.8	CLAY - firm, orange clay, slightly moist		D								
	1.1	CLAY - firm, orange-grey clay, slightly moist		D	0.8		PID<1					
					0.9							
	1.1	Pit discontinued at 1.1m - target depth reached										

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 74.3 AHD
EASTING: 310328.44
NORTHING: 6270197.15

PIT No: TP31
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
74.4	0.2	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
					0.1							
	0.7	CLAY - firm, orange mottled yellow clay			0.4		PID<1					
				D	0.5							
	0.7	Pit discontinued at 0.7m - target depth reached										

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 76.5 AHD
EASTING: 310337.67
NORTHING: 6270170.42

PIT No: TP32
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
76	0.2	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
					0.1							
	0.2	CLAY - firm, mottled orange and yellow clay			0.4		PID<1					
				D*	0.5							
					0.9							
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD3/150617 taken at 0.4m to 0.5m

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
BB	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 77.4 AHD
EASTING: 310342.42
NORTHING: 6270157.87

PIT No: TP33
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
77	0.0 0.1 0.25 0.3	FILLING - brown silty clay filling with some rootlets (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange mottled yellow clay										
					0.4		PID<1					
		SHALE - low strength, extremely weathered, light grey shale		D	0.5							
1	0.9 1.0				0.9		PID<1					
				D	1.0							
		Pit discontinued at 1.0m - target depth reached										
76												
2												
75												
3												
74												
4												
73												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 78.2 AHD
EASTING: 310346.86
NORTHING: 6270145.95

PIT No: TP34
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
78	0.0	FILLING - brown silty clay filling with some fine to medium igneous gravel and rootlets (topsoil)		D	0.0		PID<1					
	0.1				0.1							
	0.2	CLAY - firm, orange mottled yellow clay										
	0.3											
		SHALE - low strength, extremely weathered, light grey shale		D	0.4		PID<1					
1					0.5							
	1.0	Pit discontinued at 1.0m - target depth reached		D	0.9		PID<1					
	1.0				1.0							

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.4 AHD
EASTING: 310357.82
NORTHING: 6270120.13

PIT No: TP35
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79	0.4	FILLING - silt filling with some roots, slightly moist (topsoil)		D	0.0		PID<1					
				D	0.1		PID<1					
					0.2							
	0.5	SILTY CLAY - firm, orange silty clay		D	0.4		PID<1					
					0.5							
	0.7	CLAY - firm, orange-clay clay, slightly moist		D	0.7		PID<1					
	0.8				0.8							
1	1.2	Pit discontinued at 1.2m - target depth reached										
78												
2												
77												
3												
76												
4												
75												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	sp	Standard penetration test
E	Environmental sample	≡	Water level	S	Shear vane (kPa)
				V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.2 AHD
EASTING: 310375
NORTHING: 6270111

PIT No: TP36
PROJECT No: 85998.01
DATE: 22/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79.2	0.2	FILLING - dark brown silt filling with some organic matter, slightly moist (topsoil)		D	0.1		PID<1					
		SILTY CLAY - firm, orange silty clay, moist			0.2							
	0.6	CLAY - firm, orange-grey clay, slightly moist		D	0.4		PID<1					
					0.5							
	0.9	Pit discontinued at 0.9m - target depth reached		D	0.7		PID<1					
					0.8							
	1.0											
78.8												
77.7	2.0											
	3.0											
	4.0											
	5.0											
76.6												
75.5	6.0											
	7.0											
	8.0											
	9.0											
74.4												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 78.7 AHD
EASTING: 310362.76
NORTHING: 6270090.55

PIT No: TP37
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

[illegible]

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W _s	Water seep
E	Environmental sample	W _l	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test (s(50) (MPa)
		PL(D)	Point load diametral test (s(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.1 AHD
EASTING: 310346.17
NORTHING: 6270203.82

PIT No: TP38
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
75	0.1	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
		CLAY - firm, orange mottled yellow clay			0.1							
				D	0.4		PID<1					
					0.5							
	0.7	Pit discontinued at 0.7m - target depth reached										
74	1											
73	2											
72	3											
71	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 77.29 AHD
EASTING: 310354.4
NORTHING: 6270177.2

PIT No: TP39
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
77	0.15	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
		CLAY - firm, orange mottled yellow clay			0.1							
				D	0.4		PID<1					
					0.5							
1	0.8	Pit discontinued at 0.8m - target depth reached										
76												
2												
75												
3												
74												
4												
73												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 78.14 AHD
EASTING: 310358.34
NORTHING: 6270164.03

PIT No: TP40
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
78	0.1	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
		CLAY - firm, orange mottled yellow clay			0.1							
				D	0.4		PID<1					
					0.5							
	0.7	Pit discontinued at 0.7m - target depth reached										
1												
77												
2												
76												
3												
75												
4												
74												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 78.84 AHD
EASTING: 310362.17
NORTHING: 6270152.34

PIT No: TP41
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
	0.15	FILLING - brown silty clay filling with some fine to medium igneous gravel and rootlets (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, mottled orange and yellow clay										
				D	0.4		PID<1					
					0.5							
78	0.8											
	0.85	SHALE - low strength, extremely weathered, light grey shale										
1		Pit discontinued at 0.85m - target depth reached										
77	2											
76	3											
75	4											
74												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.59 AHD
EASTING: 310366.19
NORTHING: 6270132.36

PIT No: TP42
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79	0.2	FILLING - brown silty clay with some fine to medium igneous gravel and rootlets (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, mottled orange and yellow clay with some shale fragments		D	0.4		PID<1					
					0.5							
	0.7	SHALE - extremely low strength, extremely weathered, light grey yellow shale, soil properties			0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
78												
2												
77												
3												
76												
4												
75												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.73 AHD
EASTING: 310374.64
NORTHING: 6270111.2

PIT No: TP43
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79	0.2	FILLING - brown silty clay with fine to medium igneous gravel and rootlets (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, mottled orange and yellow clay with some shale fragments		D	0.4		PID<1					
					0.5							
79	0.7	SHALE - low strength, extremely weathered, light grey shale										
1	1.0	Pit discontinued at 1.0m - target depth reached										
78												
	2											
77												
	3											
76												
	4											
75												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.13 AHD
EASTING: 310380.3
NORTHING: 6270095.1

PIT No: TP44
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79	0.15	FILLING - brown silty clay filling with some fine to medium igneous gravel and rootlets (topsoil)		D	0.0		PID<1					
		CLAY - firm, mottled orange and yellow clay			0.1							
					0.4		PID<1					
				D	0.5							
0.8	0.85	SHALE - low strength, extremely weathered, light grey shale										
1		Pit discontinued at 0.85m - target depth reached										
78												
2												
77												
3												
76												
4												
75												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD2/160617 taken at 0.0m to 0.1m

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 75.73 AHD
EASTING: 310356.72
NORTHING: 6270208.97

PIT No: TP45
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
	0.1	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
		CLAY - firm, mottled orange-yellow clay			0.1							
					0.5		PID<1					
	0.7	Pit discontinued at 0.7m - target depth reached		D	0.7							
75												
1												
74												
2												
73												
3												
72												
4												
71												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 78.2 AHD
EASTING: 310373.63
NORTHING: 6270184.42

PIT No: TP46
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
78	0.1	FILLING - brown silty clay with some rootlets (topsoil)		D	0.0		PID<1					
		CLAY - firm, mottled orange-yellow clay			0.1							
					0.4		PID<1					
					0.5							
					0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
77												
2												
76												
3												
75												
4												
74												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U _s	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W _s	Water seep	S	Standard penetration test
E	Environmental sample	W _L	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.1 AHD
EASTING: 310378.29
NORTHING: 6270171.41

PIT No: TP47
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79	0.2	FILLING - brown silty clay filling with fine igneous gravel and rootlets (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, mottled orange-yellow clay										
				D	0.4		PID<1					
					0.5							
1	1.0				0.9		PID<1					
		Pit discontinued at 1.0m - target depth reached		D	1.0							
78												
77	2											
76	3											
75	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.87 AHD
EASTING: 310378.29
NORTHING: 6270158.21

PIT No: TP48
PROJECT No: 85998.01
DATE: 15/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79	0.1	FILLING - brown silty clay filling with rootlets (topsoil)		D	0.0		PID<1					
		CLAY - firm, mottled orange and yellow clay			0.1							
					0.4		PID<1					
					0.5							
78	0.8	Pit discontinued at 0.8m - target depth reached										
77	1											
76	2											
75	3											
74	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
BB	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 80.3 AHD
EASTING: 10385.26
NORTHING: 6270140.21

PIT No: TP49
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79	0.2	FILLING - brown silty clay filling with some fine to medium igneous gravel, fine brick fragments, plastic fragments and rootlets (topsoil) CLAY - firm, mottled orange and yellow mottled clay with some shale fragments		D	0.0		PID<1					
					0.1							
					0.4		PID<1					
				D	0.5							
					0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached		D	1.0							
79												
2												
78												
3												
77												
4												
76												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 80.2 AHD
EASTING: 310393.2
NORTHING: 6270117.9

PIT No: TP50
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
80	0.2	FILLING - brown silty clay with fine to medium igneous gravel and rootlets (topsoil)		D	0.0		PID<1					
					0.1							
	0.7	CLAY - firm, mottled orange and yellow clay with some shale fragments		D	0.4		PID<1					
					0.5							
	1.0	SHALE - low strength, extremely weathered, light grey shale		D	0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached			1.0							
79												
2												
78												
3												
77												
4												
76												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U _s	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.7 AHD
EASTING: 310398.33
NORTHING: 6270101.66

PIT No: TP51
PROJECT No: 85998.01
DATE: 16/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
	0.2	FILLING - brown silty clay with fine to medium igneous gravel and rootlets (topsoil)		D	0.0 0.1		PID<1					
	0.2	CLAY - firm, mottled orange and yellow clay with some shale fragments			0.4 0.5		PID<1					
	0.7	SHALE - low strength, extremely weathered, light grey shale		D	0.9 1.0		PID<1					
	1.8	Pit discontinued at 1.8m - target depth reached										

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U _s	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 79.4 AHD
EASTING: 310394.39
NORTHING: 6270188.6

PIT No: TP52
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
79	0.3	FILLING - dark brown silty clay filling with some rootlets, slightly moist (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay, slightly moist		D	0.3		PID<1					
					0.4							
	1	- becoming orange-grey with some siltstone fragments from 0.8m		D	0.8		PID<1					
					0.9							
78	1.2	Pit discontinued at 1.2m - target depth reached										
77	2											
76	3											
75	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 80.3 AHD
EASTING: 310399.53
NORTHING: 6270170.53

PIT No: TP53
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
80	0.3	FILLING - brown silty clay filling with some rootlets, slightly moist		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay, moist - becoming orange- grey from 0.6m		D	0.3		PID<1					
					0.4							
				D	0.6		PID<1					
					0.7							
79	1.1	Pit discontinued at 1.1m - target depth reached										
78												
77												
76												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U _s	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W _L	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.3 AHD
EASTING: 310408.69
NORTHING: 6270144.77

PIT No: TP54
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81 80 79 78 77	0.2	TOPSOIL - dark brown silty clay with some rootlets, slightly moist, ACM fragments observed		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay, slightly moist		D	0.2		PID<1					
					0.3							
	1	- becoming orange-grey from 0.9m			0.9		PID<1					
				D	1.0							
	1.3	Pit discontinued at 1.3m - target depth reached										

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: CB

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.0 AHD
EASTING: 310412.51
NORTHING: 6270125.22

PIT No: TP55
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81		FILLING - dark brown silty clay with some rootlets		D	0.0		PID<1					
	0.2	SILTY CLAY - firm, orange silty clay with some rootlets (topsoil)			0.1							
				D	0.4		PID<1					
					0.5							
		- becoming orange-grey from 0.8m										
80	1							1				
	1.2	Pit discontinued at 1.2m - target depth reached										
79	2							2				
78	3							3				
77	4							4				

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 80.1 AHD
EASTING: 310417.58
NORTHING: 6270105.76

PIT No: TP56
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

[illegible]

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test (s(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test (s(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W _s	Water seep	S	Standard penetration test
E	Environmental sample	W _l	Water level	V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 80.2 AHD
EASTING: 310410.16
NORTHING: 6270193.42

PIT No: TP57
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
80 79 78 77 76	0.3	FILLING - dark brown silty clay filling with some rootlets		D	0.0		PID<1					
					0.1							
	1.2	CLAY - firm, orange clay, slightly moist		D	0.3		PID<1					
					0.4							
		- becoming orange-grey with some siltstone from 0.8m		D	0.8		PID<1					
					0.9							
		Pit discontinued at 1.2m - target depth reached										

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 80.9 AHD
EASTING: 310413.16
NORTHING: 6270176.69

PIT No: TP58
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
		FILLING - dark brown silty clay filling with some rootlets, slightly moist		D	0.0 0.1		PID<1					
	0.4	CLAY - firm, orange clay, slightly moist		D	0.4 0.5		PID<1					
		- grey becoming orange from 0.8m		D	0.8 0.9		PID<1					
1	1.0	Pit discontinued at 1.0m - target depth reached							1			

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W _s	Water seep
E	Environmental sample	W _l	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test (s(50) (MPa)
		PL(D)	Point load diametral test (s(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.6 AHD
EASTING: 310422.68
NORTHING: 6270150.4

PIT No: TP59
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81	0.3	FILLING - dark brown-black silty clay filling, some building rubble (brick, glass), roots		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay, slightly moist		D	0.3		PID<1					
					0.4							
	1	- becoming orange-grey from 0.8m		D	0.8		PID<1					
					0.9							
	1.2	Pit discontinued at 1.2m - target depth reached										

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.5 AHD
EASTING: 310429.88
NORTHING: 6270131.1

PIT No: TP60
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81	0.2	FILLING - dark brown silty clay filling, with some rootlets		D	0.0		PID<1					
					0.1							
					0.2		PID<1					
					0.3							
		CLAY - firm, orange clay, slightly moist		D								
1												
1.3		- becoming orange-grey from 1.0m		D	1.0		PID<1	1				
					1.1							
80	1.3	Pit discontinued at 1.3m - target depth reached										
79												
78												
77												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 80.6 AHD
EASTING: 310437.63
NORTHING: 6270112.13

PIT No: TP61
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
80	0.2	FILLING - brown silty clay filling with some roots, slightly moist		D*	0.0		PID<1					
					0.1							
		SILTY CLAY - firm, orange silty clay, slightly moist		D	0.2		PID<1					
					0.3							
					0.5		PID<1					
		- becoming orange-grey from 0.5m		D	0.6							
1	1.1	Pit discontinued at 1.1m - target depth reached										
79												
2												
78												
3												
77												
4												
76												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD1 taken at 0.0m to 0.1m

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 80.9 AHD
EASTING: 310427.9
NORTHING: 6270700.96

PIT No: TP62
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
80	0.3	FILLING - dark brown silty clay filling with some rootlets, slightly moist		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay		D	0.3		PID<1					
					0.4							
	1	- becoming grey from 1.0m		D	1.0		PID<1					
					1.1							
	1.3	Pit discontinued at 1.3m - target depth reached										
76												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
BB	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.6 AHD
EASTING: 310432.67
NORTHING: 6270178.55

PIT No: TP63
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

[illegible]

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U _t	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W _{seep}	Water seep
E	Environmental sample	W _{level}	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 82.1 AHD
EASTING: 310439.93
NORTHING: 6270155.03

PIT No: TP64
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
82.1	0.2	FILLING - dark brown silty clay filling with some bricks and building rubble and rootlets		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay		D	0.2		PID<1					
					0.3							
1		- becoming orange-grey from 0.8m		D	0.8		PID<1					
					0.9							
1.1		Pit discontinued at 1.1m - target depth reached										
2												
3												
4												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.9 AHD
EASTING: 310447.22
NORTHING: 6270135.24

PIT No: TP65
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81	0.2	FILLING - dark brown silty clay filling with some rootlets, slightly moist (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay, angular pebbles <20mm diameter		D	0.2		PID<1					
					0.3							
		- becoming orange-grey from 0.8m		D	0.8		PID<1					
80	1.0	Pit discontinued at 1.0m - target depth reached			0.9							
79	2											
78	3											
77	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.2 AHD
EASTING: 310454.44
NORTHING: 6270119.33

PIT No: TP66
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81	0.1	FILLING - dark brown silty clay filling with some rootlets, slightly moist CLAY - firm, orange clay 										

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.0 AHD
EASTING: 310442.7
NORTHING: 6270206.93

PIT No: TP67
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81		FILLING - dark brown silty clay filling with some rootlets, slightly moist		D	0.0		PID<1					
					0.1							
	0.3	CLAY - firm, orange clay		D	0.3		PID<1					
					0.4							
		0.6m: becoming firm, orange-grey clay		D	0.6		PID<1					
					0.7							
80	1											
	1.1	Pit discontinued at 1.1m - target depth reached										
79	2											
78	3											
77	4											

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U _s	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W _s	Water seep
E	Environmental sample	W _L	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.9 AHD
EASTING: 310451.55
NORTHING: 6270180.84

PIT No: TP68
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81	0.0	FILLING - dark brown silty clay filling with some roots and building rubble, slightly moist (topsoil)		D	0.0		PID<1					
					0.1							
	0.3	CLAY - firm, orange clay, slightly moist		D	0.3		PID<1					
					0.4							
	0.8	SHALE - low strength, extremely weathered, light grey-orange shale		D	0.8		PID<1					
					0.9							
1	1.0	Pit discontinued at 1.0m - target depth reached										
80	2											
79	3											
78	4											
77												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 82.3 AHD
EASTING: 310456.58
NORTHING: 6270163.16

PIT No: TP69
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
82	0.3	FILLING - dark brown silty clay filling with some building rubble (bricks), slightly moist (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay, slightly moist		D	0.3		PID<1					
					0.4							
		- becoming orange-grey from 0.7m		D	0.7		PID<1					
					0.8							
1	1.1	Pit discontinued at 1.1m - target depth reached										
81												
2												
80												
3												
79												
4												
78												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	>	Water seep	S	Standard penetration test
E	Environmental sample	≡	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 82.2 AHD
EASTING: 310468.07
NORTHING: 6270142.57

PIT No: TP70
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
82.2	0.2	FILLING - brown silty clay filling with some rootlets, slightly moist, with some angular gravel (topsoil)		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay		D	0.2		PID<1					
					0.3							
		- becoming orange-grey from 0.6m		D	0.6		PID<1					
					0.7							
1	1.1	Pit discontinued at 1.1m - target depth reached										
81												
80												
79												
78												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U _s	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)

TEST PIT LOG

CLIENT: GHD Pty Ltd
PROJECT: Proposed New School
LOCATION: 120-126 Hezlett Road, North Kellyville

SURFACE LEVEL: 81.7 AHD
EASTING: 310470.69
NORTHING: 6270126.95

PIT No: TP71
PROJECT No: 85998.01
DATE: 19/6/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)			
				Type	Depth	Sample	Results & Comments		5	10	15	20
81	0.3	FILLING - brown silty clay filling with some roots (topsoil), fine to medium gravel		D	0.0		PID<1					
					0.1							
		CLAY - firm, orange clay, slightly moist		D	0.3		PID<1					
					0.4							
	1	From 0.8m: becoming orange-grey		D	0.8		PID<1					
					0.9							
1.2	1.2	Pit discontinued at 1.2m - target depth reached										
80												
2												
79												
3												
78												
4												
77												

RIG: Yanmar Vi055 Excavator - 400mm bucket

LOGGED: JS

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND					
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	W	Water seep	S	Standard penetration test
E	Environmental sample	W	Water level	V	Shear vane (kPa)