



GeoEnviro Consultancy Pty Ltd

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9th March 2019

Our Reference: JT15827H-r2

Crownland Oaklands Pty Ltd
C/- North Western Surveys Pty Ltd
PO Box 1045
BLACKTOWN NSW 2148

Attention: Mr John Attard

Dear Sir

**Re Lots 405 & 460 in DP 1215518
Neil Street, Schofields
Site Fill Testing - Temporary Stormwater Basin**

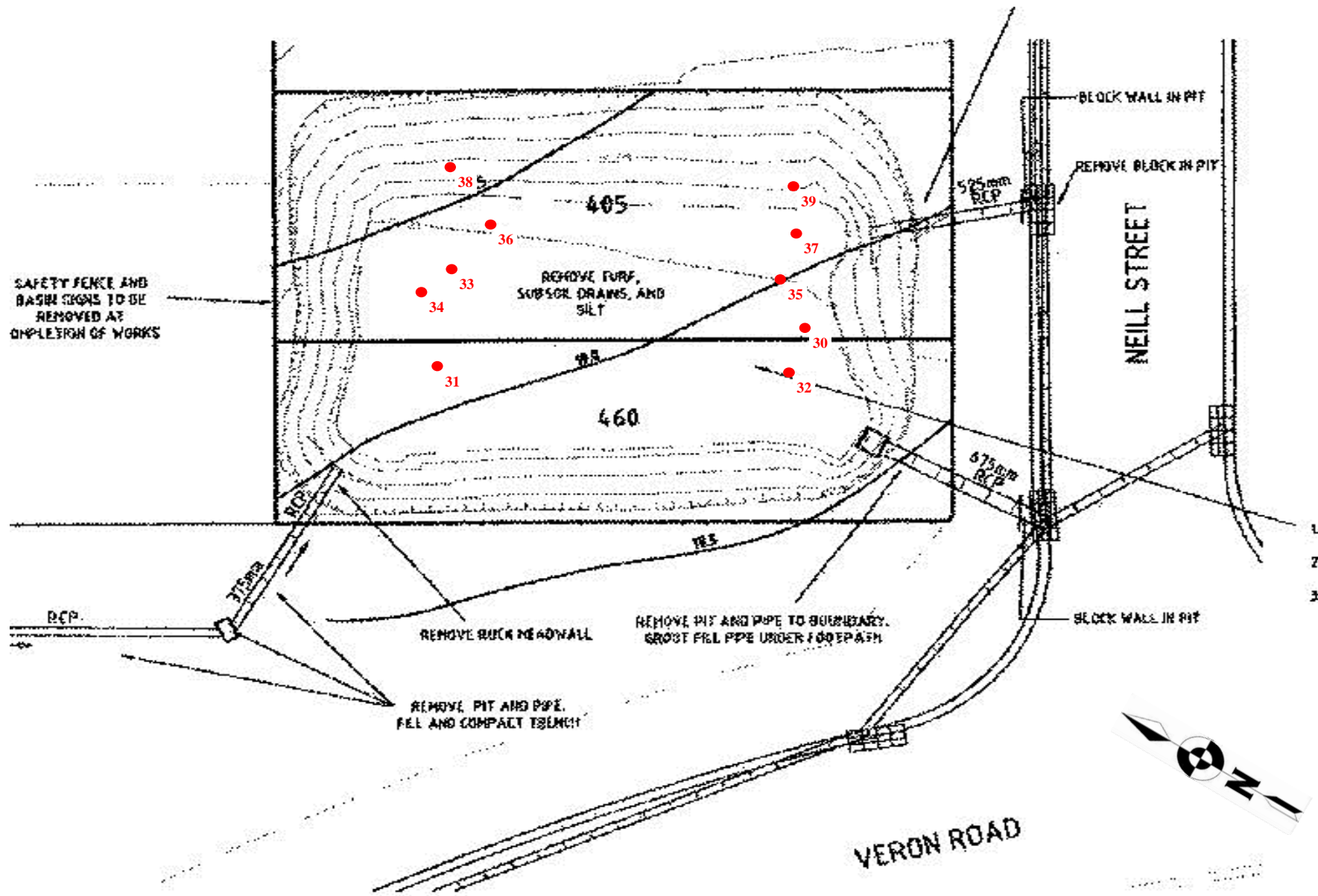
Please find attached field density test results for work performed at Lots 405 & 460 Neil Street, Schofields from the 1st to the 8th February 2019.

The approximated test locations are shown on the attached Drawing No 2. If you have any queries regarding the above, please contact the undersigned.

Yours faithfully
GeoEnviro Consultancy Pty Ltd

Allan Fong
Laboratory Manager

Attachment: Density Test Results – Test Nos 30 to 39
Drawing No 2 – Density Test Location Plan



Legend
 ● Density Test Location

E GeoEnviro Consultancy
 Unit 5, 39-41 Fourth Avenue, Blacktown NSW 2148, Australia
 Tel: (02) 96798733 Fax: (02) 96798744

Drawn By:	AF	Date:	9/3/19
Checked By:	SL	Date:	9/3/19
Revision By:		Date:	
Scale:	N.T.S.		A3

North Western Surveys Pty Ltd
 Lots 405 & 460 in DP 1215518, Neil Street, Schofields
 Density Test Location Plan

Project No: JT15827H Drawing No: 2



GeoEnviro Consultancy Pty Ltd

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FIELD DENSITY REPORT

Client / Address: North Western Surveys Pty Ltd / 1/11 Romford Road, Blacktown NSW 2148	Job No: JT15827H
Project: Lots 405 & 460 in DP 1215518	Date: 09/03/2019
Location: Neil Street, Schofields	Report No: R 07A

Test Results						
Test Number		30	31	32	33	34
Date Tested		01-Feb-19	01-Feb-19	05-Feb-19	05-Feb-19	06-Feb-19
Time of Test		8:32	8:37	7:52	7:58	8:36
Lab No.		827H / 30	827H / 31	827H / 32	827H / 33	827H / 34
Depth Tested		150 mm	150 mm	150 mm	150 mm	150 mm
Location of Test		Refer to drawing No. 2	Refer to drawing No. 2	Refer to drawing No. 2	Refer to drawing No. 2	Refer to drawing No. 2
Depth of Density Test	RL (m)	17.04	16.77	17.73	17.58	18.21
Material Type		Shaley Clay brown grey	Shaley Clay brown grey	Shaley Clay brown grey	Shaley Clay brown grey	Shaley Clay brown grey
Density Ratio	%	100.0	102.5	103.5	103.0	100.5
Moisture Variation	%	0.5 drier	2.0 drier	1.0 drier	0.5 drier	0.5 drier
Compaction Requirement	%	95 Standard	95 Standard	95 Standard	95 Standard	95 Standard
Moisture Requirement	%	-	-	-	-	-

Field and Laboratory Data

AS 1289 2.1.1, 5.8.1						
Field Wet Density	t/m ³	2.17	2.17	2.20	2.22	2.16
Field Dry Density	t/m ³	-	-	-	-	-
Field Moisture Content	%	14.0	11.5	12.5	13.0	12.5
AS 1289 5.4.1						
Sieve Size	mm	19	19	19	19	19
Wet Oversize	%	8	-	-	7	-
Dry Oversize	%	-	-	-	-	-
Laboratory Procedure						
		AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)
Lab Compaction ex test No.		30	31	32	33	34
Maximum Dry Density	t/m ³	-	-	-	-	-
Optimum Moisture Content	%	14.5	13.5	13.5	13.5	13.0
Corrected Maximum Dry Density	t/m ³	-	-	-	-	-
Corrected Optimum Moisture Content	%	-	-	-	-	-
Peak Converted Wet Density	t/m ³	2.15	2.11	2.13	2.14	2.15
Adjusted Peak Converted Wet Density	t/m ³	2.17	-	-	2.16	-

Remarks

c:/lab/reports/R001-A

Form No. R001-A/Ver 11/10/18



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NATA Accredited Laboratory Number: 14208.

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Authorised Signatory

Allan Fong Date 09/03/2019



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FIELD DENSITY REPORT

Client / Address: North Western Surveys Pty Ltd / 1/11 Romford Road, Blacktown NSW 2148	Job No: JT15827H
Project: Lots 405 & 460 in DP 1215518	Date: 09/03/2019
Location: Neil Street, Schofields	Report No: R 08A

Test Results

Test Number	35	36	37	38	39
Date Tested	06-Jul-19	07-Feb-19	07-Feb-19	08-Feb-19	08-Feb-19
Time of Test	8:41	8:38	8:45	8:44	8:52
Lab No.	827H / 35	827H / 36	827H / 37	827H / 38	827H / 39
Depth Tested	150 mm	150 mm	150 mm	150 mm	150 mm
Location of Test	Refer to drawing No. 2	Refer to drawing No. 2	Refer to drawing No. 2	Refer to drawing No. 2	Refer to drawing No. 2
Depth of Density Test RL (m)	18.22	18.62	18.70	19.01	19.11
Material Type	Shaley Clay brown grey	Shaley Clay brown grey	Shaley Clay brown grey	Shaley Clay brown grey	Shaley Clay brown grey
Density Ratio %	102.0	100.5	101.5	99.5	100.5
Moisture Variation %	0.5 drier	0.5 drier	0.5 drier	0.5 drier	0.5 drier
Compaction Requirement %	95 Standard	95 Standard	95 Standard	95 Standard	95 Standard
Moisture Requirement %	-	-	-	-	-

Field and Laboratory Data

AS 1289 2.1.1, 5.8.1

	t/m ³	2.18	2.18	2.21	2.14	2.17
Field Wet Density	t/m ³	-	-	-	-	-
Field Dry Density	%	13.5	15.0	13.0	13.5	12.5
Field Moisture Content						

AS 1289 5.4.1

Sieve Size	mm	19	19	19	19	19
Wet Oversize	%	-	6	6	4	9
Dry Oversize	%	-	-	-	-	-

Laboratory Procedure

	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)	AS 1289 1.1, 1.2.1 (6.4 (b)) 5.7.1 (A Mould)
Lab Compaction ex test No.	35	36	37	38	39
Maximum Dry Density	t/m ³	-	-	-	-
Optimum Moisture Content	%	14.0	15.5	13.5	13.0
Corrected Maximum Dry Density	t/m ³	-	-	-	-
Corrected Optimum Moisture Content	%	-	-	-	-
Peak Converted Wet Density	t/m ³	2.14	2.15	2.17	2.14
Adjusted Peak Converted Wet Density	t/m ³	-	2.17	2.19	2.15

Remarks

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Form No. R001-A/Ver 11/10/18



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