



CIVIL GEOTECHNICAL SERVICES
ABN 26 474 013 724
PO Box 678 Croydon Vic 3136
Telephone: 9723 0744 Facsimile: 9723 0799

4th February 2014

Our Reference: 13424:JHF754

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs,

**RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
ASTON ESTATE (STAGE 9) – CRAIGIEBURN**

Please find attached our Report Nos 13424/R001 to 13424/R003 that relate to the field density testing that was conducted within the filled allotments at the above subdivision. The level 1 inspections and associated field density testing was performed in late November 2013.

The inspections and testing of the earthworks was undertaken in general accordance with the Level 1 requirements of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments.

The site inspections and testing was performed by an experienced geotechnician from this office. Any areas that were deemed unsatisfactory were reworked and retested under their supervision. The testing was performed to the relevant Australian Standards and the accompanying test reports carry NATA endorsement. The attached compaction results, which were located randomly throughout the fill profile, are considered to be representative of the bulk fill materials that were placed across the reported allotments by Winslow Constructors during the aforementioned period. The approximate locations of the field density tests can be seen on the attached plan (Figure 1).

We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

A handwritten signature in black ink, appearing to read 'Justin Fry', is written in a cursive style.

Justin Fry



COMPACTION ASSESSMENT

Job No 13424
 Report No 13424/R001
 Date Issued 30/11/13

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AG
Project	ASTON - STAGE 9	Date tested	25/11/13
Location	CRAIGIEBURN	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time:	09:28
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	1	2	3	4	5	-
Location	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	
Approximate depth below FSL	-	-	-	-	-	-
Measurement depth	mm	175	175	175	175	175
Field wet density	t/m ³	1.88	1.81	1.78	1.90	1.91
Field moisture content	%	29.3	29.6	25.1	24.9	25.0

Test procedure AS 1289.5.7.1

Test No	1	2	3	4	5	-
Compactive effort	Standard					
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0
Percent of oversize material	wet	0	0	0	0	0
Peak Converted Wet Density	t/m ³	1.83	1.90	1.88	1.90	1.86
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-
Optimum Moisture Content	%	29.5	27.0	26.5	25.5	26.0

Moisture Variation From Optimum Moisture Content	0.5% dry	2.5% wet	1.5% dry	0.5% dry	1.0% dry	-
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Density Ratio (R _{HD})	%	103.0	95.0	95.0	100.0	103.0	-
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Material description

No 1 - 5 Clay Fill



The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National standards. Accredited for compliance to ISO/IEC 17025. Accreditation No 9909

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

Job No 13424
 Report No 13424/R002
 Date Issued 09/12/13

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AG
Project	ASTON - STAGE 9	Date tested	27/11/13
Location	CRAIGIEBURN	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time:	10:30
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	6	7	8	9	10	11
Location	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1
Approximate depth below FSL	-	-	-	-	-	-
Measurement depth	mm	175	175	175	175	175
Field wet density	t/m ³	2.07	2.02	2.09	2.09	1.97
Field moisture content	%	15.9	19.4	18.9	17.2	20.9

Test procedure AS 1289.5.7.1

Test No	6	7	8	9	10	11
Compactive effort	Standard					
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0
Percent of oversize material	wet	0	0	0	0	0
Peak Converted Wet Density	t/m ³	2.03	2.00	1.99	2.01	2.02
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-
Optimum Moisture Content	%	18.0	20.0	20.0	19.0	21.0

Moisture Variation From Optimum Moisture Content	2.0% dry	0.5% dry	1.0% dry	2.0% dry	0.0%	0.5% wet
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Density Ratio (R _{HD})	%	102.5	101.5	105.0	104.5	98.0	98.0
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Material description

No 6 - 11 Clay Fill



The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National standards. Accredited for compliance to ISO/IEC 17025. Accreditation No 9909

Approved Signatory : Justin Fry



COMPACTION ASSESSMENT

Job No 13424
 Report No 13424/R003
 Date Issued 09/12/13

CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AG
Project	ASTON - STAGE 9	Date tested	27/11/13
Location	CRAIGIEBURN	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time:	14:10
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	12	13	14	15	16	17	
Location	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	
Approximate depth below FSL	-	-	-	-	-	-	
Measurement depth	mm	175	175	175	175	175	
Field wet density	t/m ³	1.85	1.96	1.94	2.02	1.97	1.96
Field moisture content	%	22.4	21.0	20.4	21.9	21.4	22.5

Test procedure AS 1289.5.7.1

Test No	12	13	14	15	16	17	
Compactive effort	Standard						
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	19.0	
Percent of oversize material	wet	0	0	0	0	0	
Peak Converted Wet Density	t/m ³	1.91	1.88	1.95	1.93	1.87	1.88
Adjusted Peak Converted Wet Density	t/m ³	-	-	-	-	-	
Optimum Moisture Content	%	24.0	23.5	23.0	23.0	24.5	25.0

Moisture Variation From Optimum Moisture Content	2.0% dry	2.5% dry	2.5% dry	1.0% dry	3.0% dry	2.5% dry
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Density Ratio (R _{HD})	%	97.0	104.0	99.5	104.5	105.5	104.0
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Material description

No 12 - 17 Clay Fill



The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National standards. Accredited for compliance to ISO/IEC 17025. Accreditation No 9909

Approved Signatory : Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 901 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_901

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 901 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

A handwritten signature in black ink, appearing to read 'Justin Fry', written in a cursive style.

Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 906 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_906

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 906 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 907 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_907

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 907 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 908 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_908

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 908 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 909 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_909

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 909 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 910 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_910

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 910 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 911 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_911

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 911 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 912 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_912

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 912 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 913 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_913

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 913 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 914 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_914

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 914 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 915 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_915

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 915 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 916 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_916

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 916 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

A handwritten signature in black ink that reads 'Justin Fry'.

Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 917 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_917

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 917 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 918 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_918

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 918 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

A handwritten signature in black ink, appearing to read 'Justin Fry', is written in a cursive style.

Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 919 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_919

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 919 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

A handwritten signature in black ink, appearing to read 'Justin Fry', written in a cursive style.

Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 920 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_920

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 920 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

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Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 921 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_921

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 921 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

A handwritten signature in black ink, appearing to read 'Justin Fry', is written in a cursive style.

Justin Fry



FILL CERTIFICATE

PROJECT: Lot No 922 (Drawing MIE100)
Aston Estate (Stage 9), Craigieburn

CLIENT: Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

REPORT NO: 13424_922

DATE: 04/02/14

SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 922 of the Aston Estate (Stage 9), Craigieburn, in a manner which would satisfy the criteria for Level 1 Supervision as specified in Section 8.2 of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments - 2007. The project was classified as Type 1/2 requiring a minimum density ratio of 95.0% (standard compactive effort) within the area of fill placement.

A site inspection was conducted prior to any fill being placed on the Lot. On the completion of earthworks and after examining the test results and the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

Accordingly, when classifying the site in accordance with the procedures presented in Section 2 of AS 2870 – Residential Slabs and Footings – Construction (2011), we are of the view that the bulk fill materials that were placed on this Lot by Winslow Constructors Pty Ltd can be considered as being placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

LIMITATIONS

The use of this Certificate is only appropriate for the field conditions present up to 27th November 2011.

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Justin Fry