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## FILL CERTIFICATE

PROJECT: Lot No 1101 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1101

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1101, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

A handwritten signature in black ink, appearing to read 'Justin Fry'.

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1102 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1102

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1102, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1103 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1103

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1103, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1106 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1106

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1106, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1107 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1107

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1107, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1108 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1108

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1108, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1127 (as per Drawing No MIE100)  
Aston Estate (Stage 11), Craigieburn

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

REPORT NO: 13447\_1127

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 1127 of the Aston Estate (Stage 11), 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 17<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1128 (as per Drawing No MIE100)  
Aston Estate (Stage 11), Craigieburn

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

REPORT NO: 13447\_1128

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 1128 of the Aston Estate (Stage 11), 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 17<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1129 (as per Drawing No MIE100)  
Aston Estate (Stage 11), Craigieburn

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

REPORT NO: 13447\_1129

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 1129 of the Aston Estate (Stage 11), 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 17<sup>th</sup> December 2013.

A handwritten signature in black ink, appearing to read 'Justin Fry'.

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1130 (as per Drawing No MIE100)  
Aston Estate (Stage 11), Craigieburn

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

REPORT NO: 13447\_1130

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with Lot 1130 of the Aston Estate (Stage 11), 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 17<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1131 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1131

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1131, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1132 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1132

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1132, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1133 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1133

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1133, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1134 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1134

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1134, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1138 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1138

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1138, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

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

Justin Fry



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## FILL CERTIFICATE

PROJECT: Lot No 1139 (as per Drawing No MIE100)  
Aspire Estate (Stage 5A), Plumpton

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

REPORT NO: 13447\_1139

DATE: 17/12/13

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### SUMMARY

Civil Geotechnical Services were engaged by Winslow Constructors Pty Ltd to provide inspection and testing services on the earthworks associated with the construction of the Aston Estate (Stage 11), 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 allotments. On the completion of the earthworks and after examining the materials used, we are of the opinion that the filling procedure conducted by Winslow Constructors Pty Ltd during the construction of the estate satisfied the requirements of AS 3798 in regard to the placement of fill on a Type 1/2 Project under Level 1 Supervision.

With respect to Lot 1139, the depth of fill materials that were placed during the current construction phase (excluding top soiling activities) was less than 0.3 metres. As a consequence of the limited depth of fill materials, field density testing was not considered warranted. However, 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 13<sup>th</sup> December 2013.

A handwritten signature in black ink, appearing to read 'Justin Fry'.

Justin Fry



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

17<sup>th</sup> December 2013

Our Reference: 13447:JHF743

Winslow Constructors Pty Ltd  
50 Barry Road  
CAMPBELLFIELD VIC 3061

Dear Sirs,

**RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING**  
**ASTON ESTATE (STAGE 11) – CRAIGIEBURN**

Please find attached our Report No 13447/R001 that relates 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 mid December 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', written in a cursive style.

Justin Fry

# 13447 FIGURE 1

# APPROXIMATE FIELD DENSITY LOCATION

REMOVE "NO ROAD" SIGN, CHEVRON AND EDGE STRIP. NEATLY MATCH PAVEMENT, KERB & CHANNEL AND FOOTPATH TO EXISTING LEVELS.

INSTALL TEMPORARY GRAVEL TURNING HEAD WITH NO ROAD SIGN AND CONCRETE EDGE STRIP IF FUTURE STAGE HAS NOT COMMENCED

CONTRACTOR TO EXPOSE EXISTING POTABLE WATER MAINS & BY NON-DESTRUCTIVE METHOD PRIOR TO WORKS. EXISTING MAIN BACKFILLED WITH CRUSHED ROCK # 8

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CONTRACTOR IS TO SHARE FUTURE LOT'S TOWARDS RETAINING WALL SO SITE IS FREE DRAINING

CONSTRUCT TEMPORARY CUT-OFF DRAIN

TBM - STAR PICKET  
R.L. 230.225 A.H.D.  
E 314165.14  
N 583658.83

TBM - STAR PICKET  
R.L. 227.174 A.H.D.  
E 314309.93  
N 5836729.02

TBM - STAR PICKET  
R.L. 225.715 A.H.D.  
E 314360.62  
N 583658.41

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### GRADING LEGEND

- DIRECTION OF FALL
- LOT FILLING (FILL GREATER THAN 200mm DE)
- LOT CUT (CUT GREATER THAN 200mm DE)

**WARNING**  
PROPOSED SERVICES  
THE LOCATION AND EXTENT OF PROPOSED SERVICES IS INDICATIVE ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION. REFER TO AUTHORIZED DOCUMENTATION BY RELEVANT AUTHORITY FOR CONSTRUCTION DETAILS

**WARNING**  
BEWARE OF UNDERGRO  
THE LOCATIONS OF UNDERGRO APPROXIMATE ONLY AND THEIR EXISTENCE BE PROVEN ON SITE. NO GUARANTEE FOR EXISTING SERVICES ARE

SERVICES OFFSET TABLE				
STREET NAME	GAS	RECYCLED WATER	POTABLE WATER	TEL.COM
CHAMPION PARADE				



# COMPACTION ASSESSMENT

Job No 13447  
 Report No 13447/R001  
 Date Issued 17/12/13

## CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AG
Project	ASTON - STAGE 11	Date tested	13/12/13
Location	CRAIGIEBURN	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time:	14:30
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	1	2	3	4	-	-
Location	REFER TO FIGURE 1					
Approximate depth below FSL	-	-	-	-	-	-
Measurement depth	mm 175	mm 175	mm 175	mm 175	-	-
Field wet density	t/m <sup>3</sup> 2.01	t/m <sup>3</sup> 2.02	t/m <sup>3</sup> 1.99	t/m <sup>3</sup> 1.87	-	-
Field moisture content	% -	% -	% -	% -	-	-

Test procedure AS 1289.5.7.1

Test No	1	2	3	4	-	-
Compactive effort	Standard					
Oversize rock retained on sieve	mm 19.0	mm 19.0	mm 19.0	mm 19.0	-	-
Percent of oversize material	wet 0	wet 0	wet 0	wet 0	-	-
Peak Converted Wet Density	t/m <sup>3</sup> 1.97	t/m <sup>3</sup> 1.99	t/m <sup>3</sup> 2.00	t/m <sup>3</sup> 1.96	-	-
Adjusted Peak Converted Wet Density	t/m <sup>3</sup> -	t/m <sup>3</sup> -	t/m <sup>3</sup> -	t/m <sup>3</sup> -	-	-
Optimum Moisture Content	% -	% -	% -	% -	-	-

Moisture Variation From Optimum Moisture Content	1.5% dry	0.0%	0.0%	2.5% dry	-	-
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Density Ratio ( R <sub>HD</sub> )	%	101.5	101.0	99.5	95.5	-	-
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Material description

No 1 - 4 Clay Fill
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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