

Brisbane Office  
Job Number: DL18/334  
Ref No: 14478  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 623  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 623 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

The Brief from the Client for was limited to:

- Level One Inspection of the placement and compaction of fill materials in accordance with AS3798 2007 – “Guidelines on Earthworks for Commercial and Residential Developments”;
- Relative Density Control Testing in accordance with AS1289 – Testing of Soils for Engineering Purposes and at frequencies required in AS3798 Table 8.
- Ipswich City Council Specifications.
- Notes on ETS Civil Drawings.

Level One Inspections and Testing was carried out on the stripped ground surfaces and during the placement and compaction of fill materials. Field and laboratory testing included proof roll testing of the stripped surface, field density testing using the nuclear soil moisture density gauge and standard Compactions.

Compaction testing at the Eden’s Crossing stage 10 Development was carried out at a frequency of 1 test per 500m<sup>3</sup> of placed and compacted fill as defined in AS3798 Table 8.1. Test locations were selected using Random Stratified methods. Compaction testing was carried out at frequencies representative of the fill volume as a mass. On this basis, compaction testing was not required on each individual Lot.

A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 623 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 623 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

A handwritten signature in blue ink, appearing to read 'mick m. o.', is written over a light blue rectangular background.

**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
 Laboratory: M. Morrison, L. McDowall

**LEGEND**

- ▼ R.L 50.0 - 59.99
- ▼ R.L 60.0 - 69.99
- ▼ R.L 70.0 - 79.99
- ▼ R.L 80.0 - 89.99
- ▼ R.L 90.0 - 99.99
- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTHS PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14479  
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25<sup>th</sup> March 2019

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Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 624  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 624 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

The Brief from the Client for was limited to:

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- Ipswich City Council Specifications.
- Notes on ETS Civil Drawings.

Level One Inspections and Testing was carried out on the stripped ground surfaces and during the placement and compaction of fill materials. Field and laboratory testing included proof roll testing of the stripped surface, field density testing using the nuclear soil moisture density gauge and standard Compactions.

Compaction testing at the Eden’s Crossing stage 10 Development was carried out at a frequency of 1 test per 500m<sup>3</sup> of placed and compacted fill as defined in AS3798 Table 8.1. Test locations were selected using Random Stratified methods. Compaction testing was carried out at frequencies representative of the fill volume as a mass. On this basis, compaction testing was not required on each individual Lot.

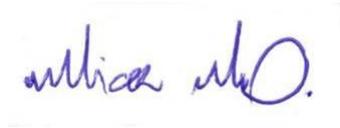
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 624 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 624 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

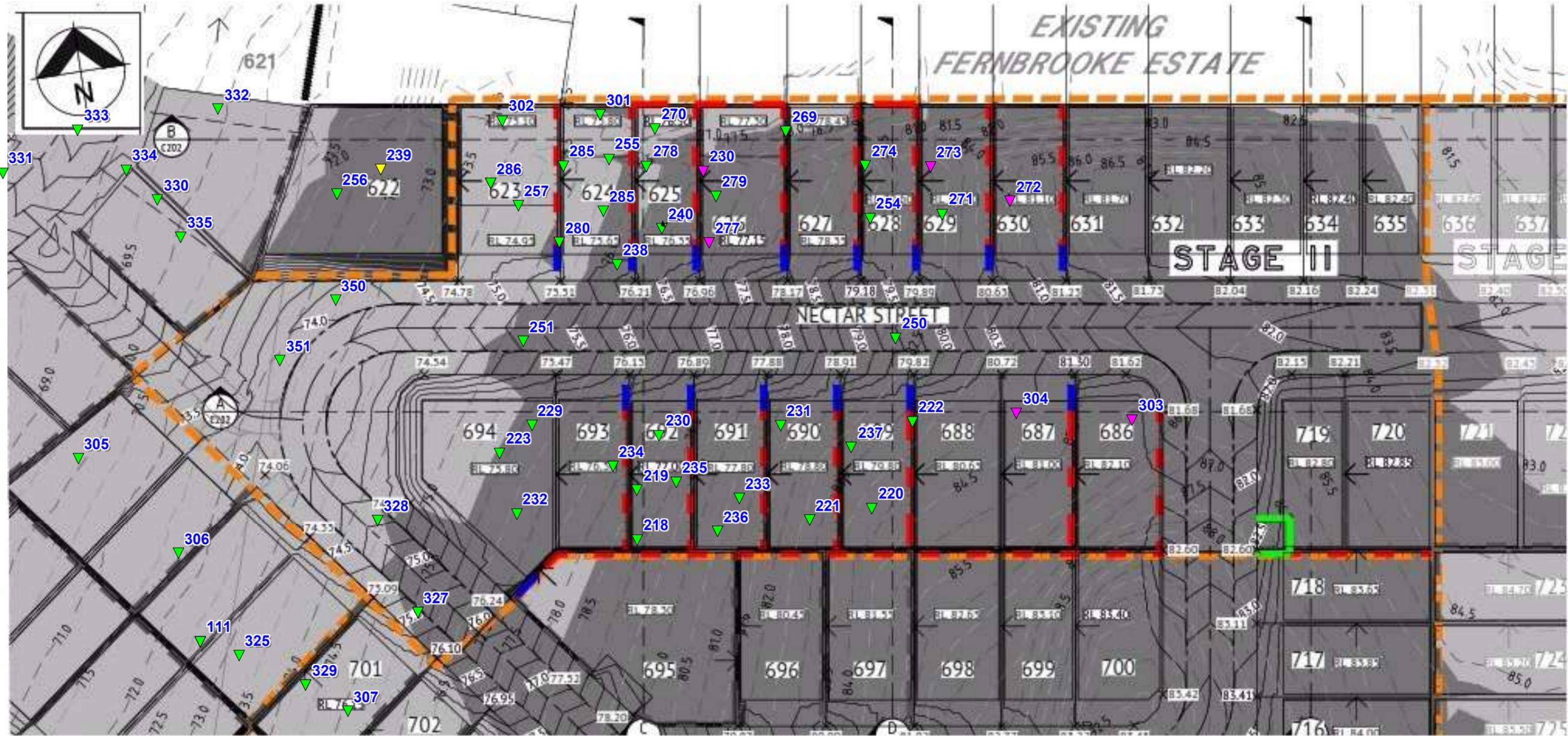
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**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



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ABN: 51 009 878 899

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 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
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**LEGEND**

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Client :	SHADFORTH PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14480  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
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Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 625  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 625 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

The Brief from the Client for was limited to:

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- Notes on ETS Civil Drawings.

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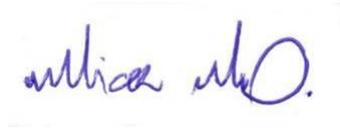
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 625 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 625 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

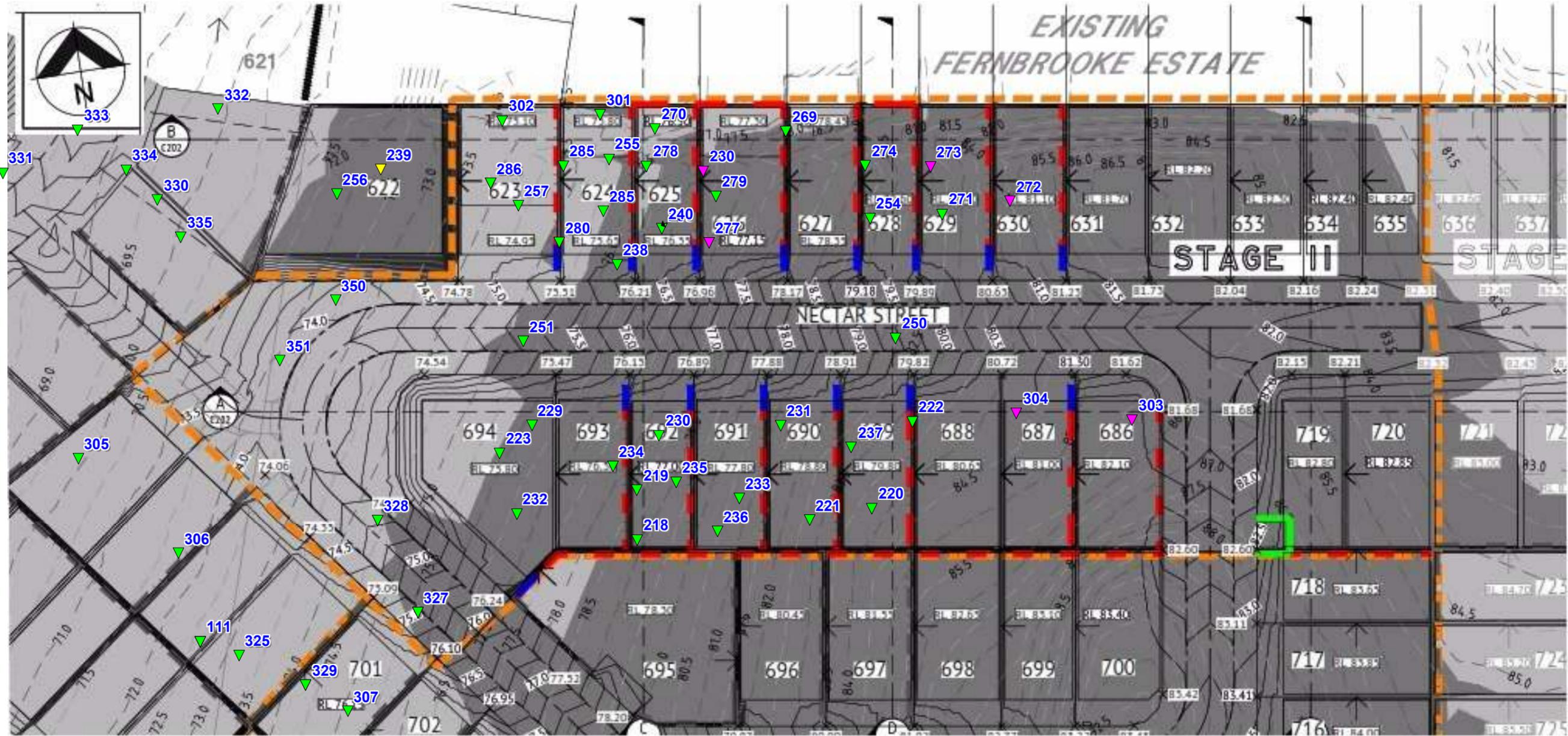
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**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

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 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
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**LEGEND**

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Project No :	DL18/334	Drawing No :	DL15/334 - 01
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Brisbane Office  
Job Number: DL18/334  
Ref No: 14481  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
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Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 626  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 626 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

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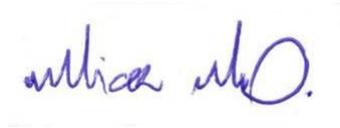
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 626 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 626 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

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**M. MORRISON**

For and on Behalf of

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Encl: Marked Up Site Pan



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**LEGEND**

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Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
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Project No :	DL18/334	Drawing No :	DL15/334 - 01
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Brisbane Office  
Job Number: DL18/334  
Ref No: 14482  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
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Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 627  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 627 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

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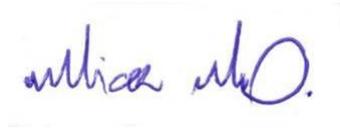
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 627 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 627 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

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**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

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Engineers: J. Daly,  
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 Geologists: L. Bexley & R. Howchin  
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**LEGEND**

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Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTH PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14483  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 628  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 628 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

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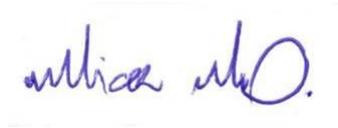
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 628 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 628 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

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**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



### MORRISON GEOTECHNIC PTY LTD

ABN: 51 009 878 899

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Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
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#### LEGEND

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Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
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Brisbane Office  
Job Number: DL18/334  
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Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
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Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 629  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 629 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report "14371 – DL18/334 Shadforths – Level One Compliance Report – Eden's Crossing Stage 10" Dated 1<sup>st</sup> March 2019.

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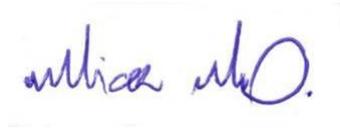
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 629 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 629 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

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**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
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**LEGEND**

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Client :	SHADFORTH PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14485  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 630  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 630 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

The Brief from the Client for was limited to:

- Level One Inspection of the placement and compaction of fill materials in accordance with AS3798 2007 – “Guidelines on Earthworks for Commercial and Residential Developments”;
- Relative Density Control Testing in accordance with AS1289 – Testing of Soils for Engineering Purposes and at frequencies required in AS3798 Table 8.
- Ipswich City Council Specifications.
- Notes on ETS Civil Drawings.

Level One Inspections and Testing was carried out on the stripped ground surfaces and during the placement and compaction of fill materials. Field and laboratory testing included proof roll testing of the stripped surface, field density testing using the nuclear soil moisture density gauge and standard Compactions.

Compaction testing at the Eden’s Crossing stage 10 Development was carried out at a frequency of 1 test per 500m<sup>3</sup> of placed and compacted fill as defined in AS3798 Table 8.1. Test locations were selected using Random Stratified methods. Compaction testing was carried out at frequencies representative of the fill volume as a mass. On this basis, compaction testing was not required on each individual Lot.

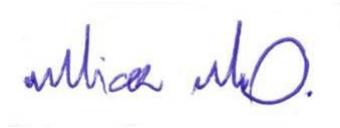
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 630 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 630 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

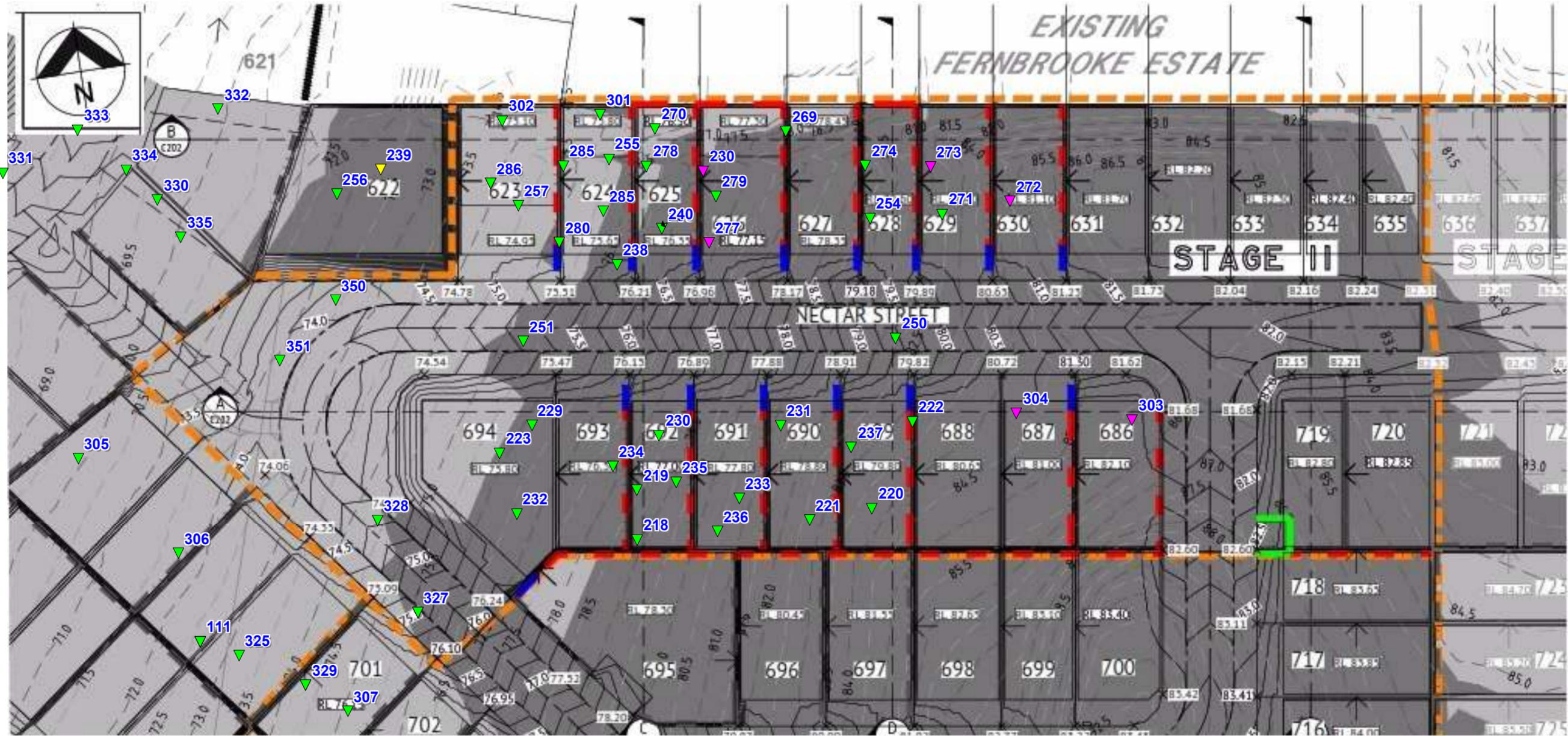
A handwritten signature in blue ink, appearing to read "Mick Morrison".

**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
 Laboratory: M. Morrison, L. McDowall

**LEGEND**

- ▼ R.L 50.0 - 59.99
- ▼ R.L 60.0 - 69.99
- ▼ R.L 70.0 - 79.99
- ▼ R.L 80.0 - 89.99
- ▼ R.L 90.0 - 99.99
- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTHS PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14486  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 686  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 686 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

The Brief from the Client for was limited to:

- Level One Inspection of the placement and compaction of fill materials in accordance with AS3798 2007 – “Guidelines on Earthworks for Commercial and Residential Developments”;
- Relative Density Control Testing in accordance with AS1289 – Testing of Soils for Engineering Purposes and at frequencies required in AS3798 Table 8.
- Ipswich City Council Specifications.
- Notes on ETS Civil Drawings.

Level One Inspections and Testing was carried out on the stripped ground surfaces and during the placement and compaction of fill materials. Field and laboratory testing included proof roll testing of the stripped surface, field density testing using the nuclear soil moisture density gauge and standard Compactions.

Compaction testing at the Eden’s Crossing stage 10 Development was carried out at a frequency of 1 test per 500m<sup>3</sup> of placed and compacted fill as defined in AS3798 Table 8.1. Test locations were selected using Random Stratified methods. Compaction testing was carried out at frequencies representative of the fill volume as a mass. On this basis, compaction testing was not required on each individual Lot.

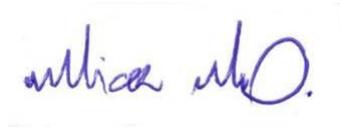
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 686 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 686 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

A handwritten signature in blue ink, appearing to read "Mick Morrison".

**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
 Laboratory: M. Morrison, L. McDowall

**LEGEND**

- ▼ R.L 50.0 - 59.99
- ▼ R.L 60.0 - 69.99
- ▼ R.L 70.0 - 79.99
- ▼ R.L 80.0 - 89.99
- ▼ R.L 90.0 - 99.99
- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTHS PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14487  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 687  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 687 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

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- Notes on ETS Civil Drawings.

Level One Inspections and Testing was carried out on the stripped ground surfaces and during the placement and compaction of fill materials. Field and laboratory testing included proof roll testing of the stripped surface, field density testing using the nuclear soil moisture density gauge and standard Compactions.

Compaction testing at the Eden’s Crossing stage 10 Development was carried out at a frequency of 1 test per 500m<sup>3</sup> of placed and compacted fill as defined in AS3798 Table 8.1. Test locations were selected using Random Stratified methods. Compaction testing was carried out at frequencies representative of the fill volume as a mass. On this basis, compaction testing was not required on each individual Lot.

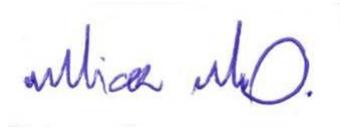
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 687 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 687 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

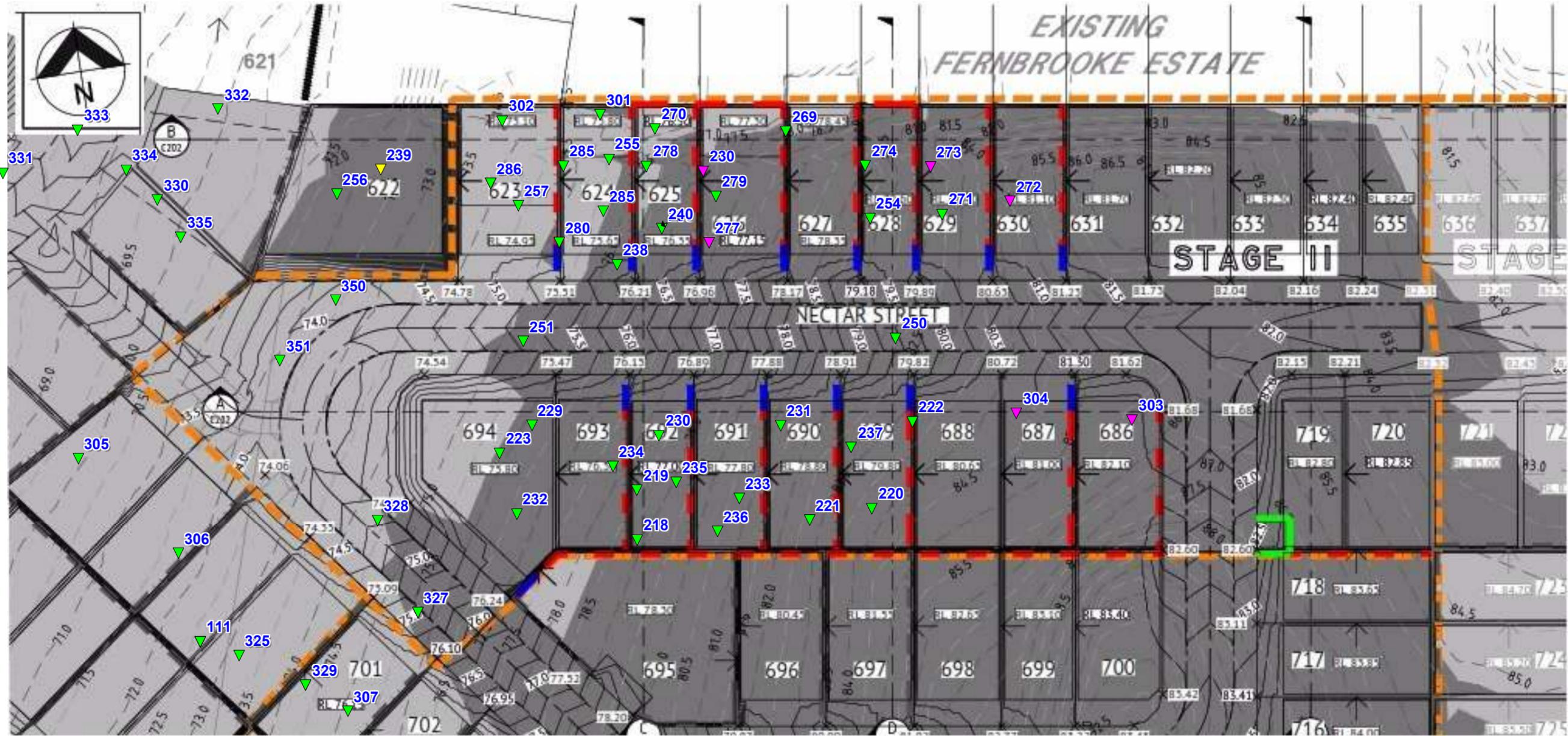
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**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly, D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
 Laboratory: M. Morrison, L. McDowall

**LEGEND**

- ▼ R.L 50.0 - 59.99
- ▼ R.L 60.0 - 69.99
- ▼ R.L 70.0 - 79.99
- ▼ R.L 80.0 - 89.99
- ▼ R.L 90.0 - 99.99
- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTH PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14488  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 688  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 688 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

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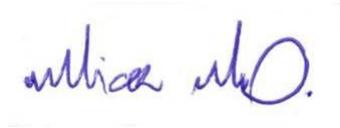
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 688 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 688 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

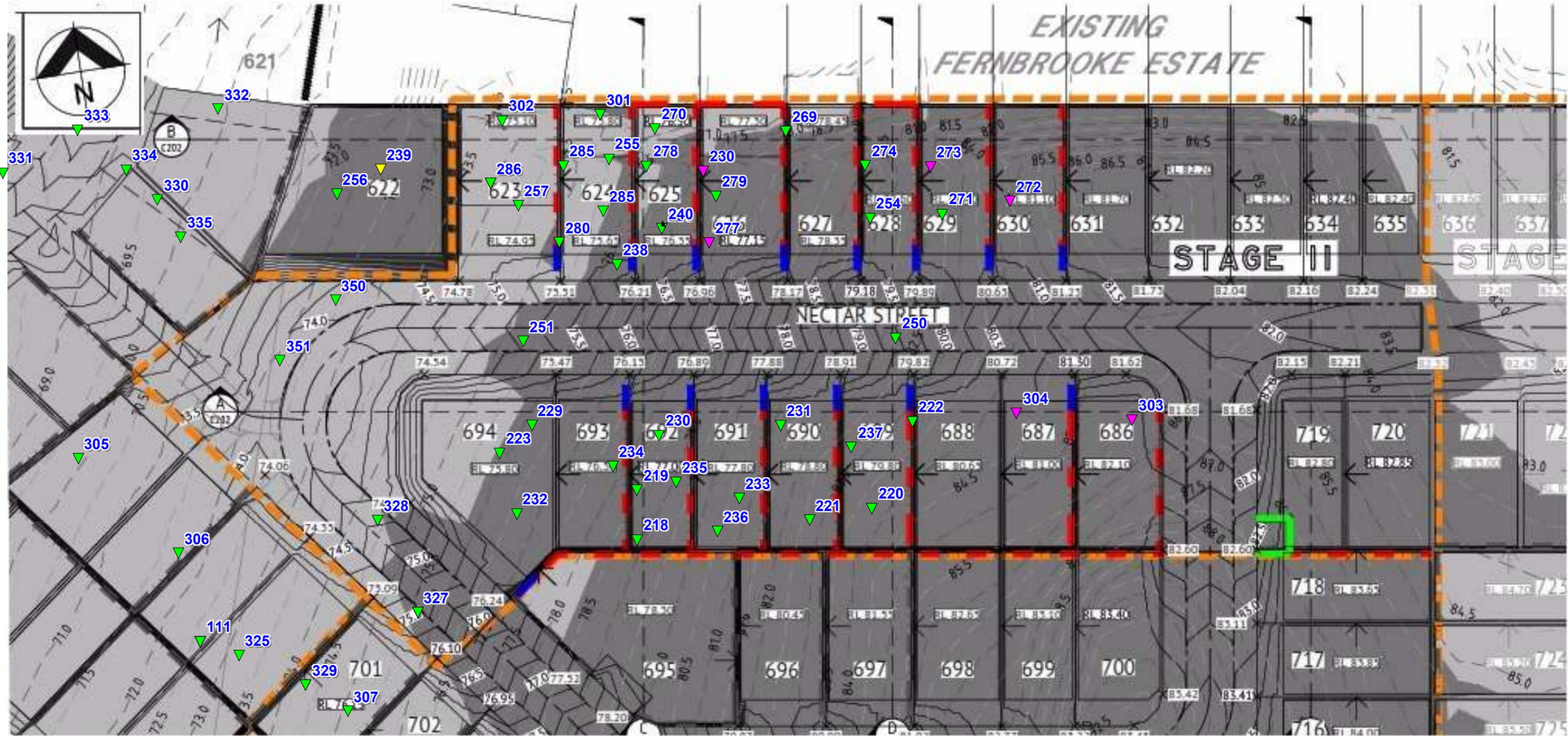
A handwritten signature in blue ink, appearing to read "Mick Morrison".

**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
 Laboratory: M. Morrison, L. McDowall

**LEGEND**

- ▼ R.L 50.0 - 59.99
- ▼ R.L 60.0 - 69.99
- ▼ R.L 70.0 - 79.99
- ▼ R.L 80.0 - 89.99
- ▼ R.L 90.0 - 99.99
- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTHS PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14489  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 689  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 689 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

The Brief from the Client for was limited to:

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- Relative Density Control Testing in accordance with AS1289 – Testing of Soils for Engineering Purposes and at frequencies required in AS3798 Table 8.
- Ipswich City Council Specifications.
- Notes on ETS Civil Drawings.

Level One Inspections and Testing was carried out on the stripped ground surfaces and during the placement and compaction of fill materials. Field and laboratory testing included proof roll testing of the stripped surface, field density testing using the nuclear soil moisture density gauge and standard Compactions.

Compaction testing at the Eden’s Crossing stage 10 Development was carried out at a frequency of 1 test per 500m<sup>3</sup> of placed and compacted fill as defined in AS3798 Table 8.1. Test locations were selected using Random Stratified methods. Compaction testing was carried out at frequencies representative of the fill volume as a mass. On this basis, compaction testing was not required on each individual Lot.

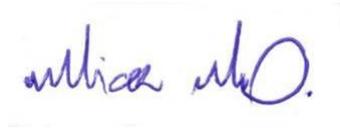
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 689 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 689 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

A handwritten signature in blue ink, appearing to read "mick m. o.", is written over a light blue rectangular background.

**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
 Laboratory: M. Morrison, L. McDowall

**LEGEND**

- ▼ R.L 50.0 - 59.99
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- ▼ R.L 80.0 - 89.99
- ▼ R.L 90.0 - 99.99
- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTHS PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14490  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 690  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 690 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

The Brief from the Client for was limited to:

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Compaction testing at the Eden’s Crossing stage 10 Development was carried out at a frequency of 1 test per 500m<sup>3</sup> of placed and compacted fill as defined in AS3798 Table 8.1. Test locations were selected using Random Stratified methods. Compaction testing was carried out at frequencies representative of the fill volume as a mass. On this basis, compaction testing was not required on each individual Lot.

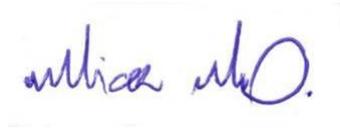
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 690 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 690 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

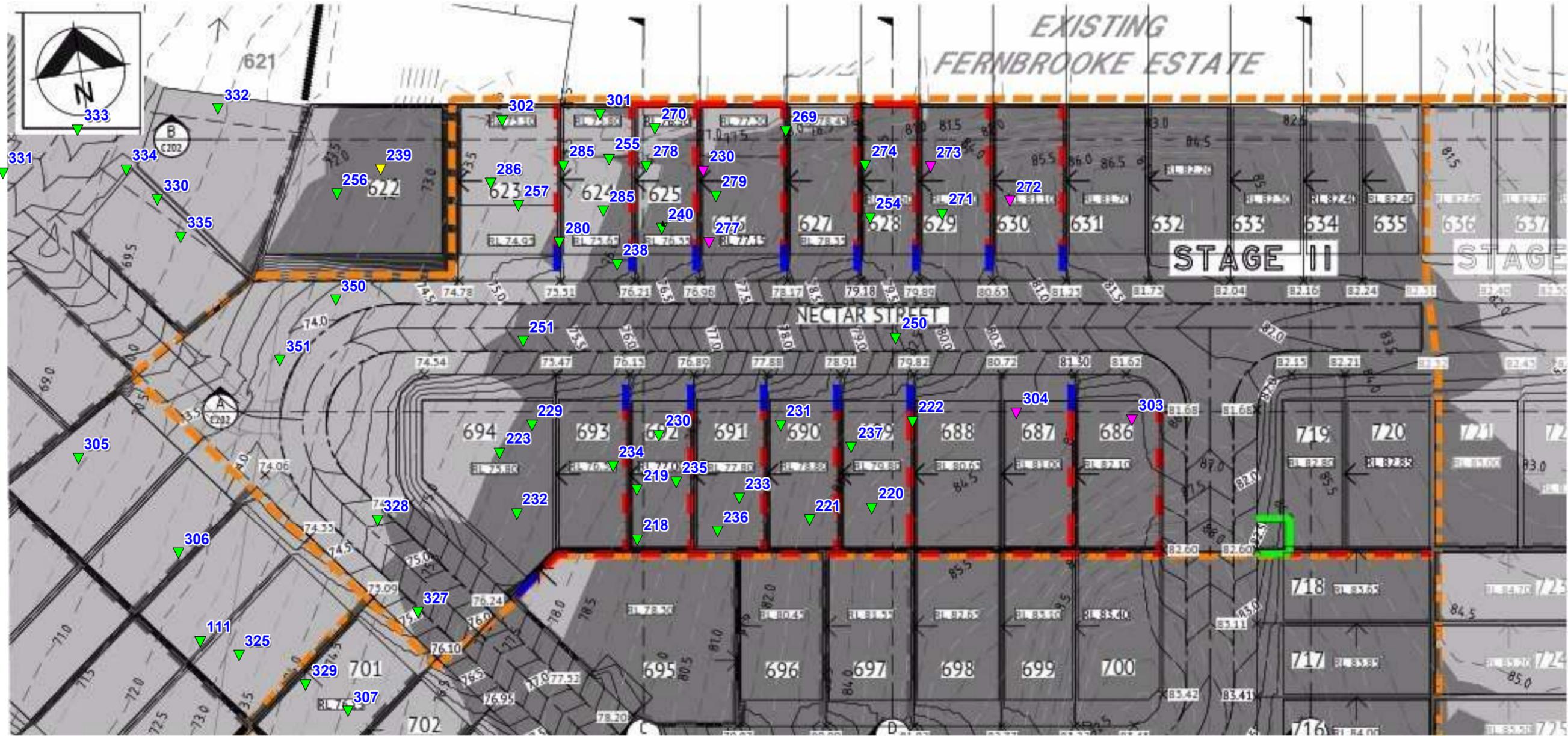
A handwritten signature in blue ink, appearing to read "Mick Morrison".

**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
 D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
 Laboratory: M. Morrison, L. McDowall

**LEGEND**

- ▼ R.L 50.0 - 59.99
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- ▼ R.L 90.0 - 99.99
- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTHS PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14491  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 691  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 691 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report "14371 – DL18/334 Shadforths – Level One Compliance Report – Eden's Crossing Stage 10" Dated 1<sup>st</sup> March 2019.

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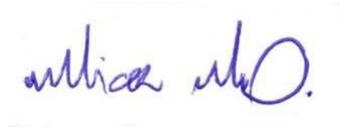
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 691 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 691 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

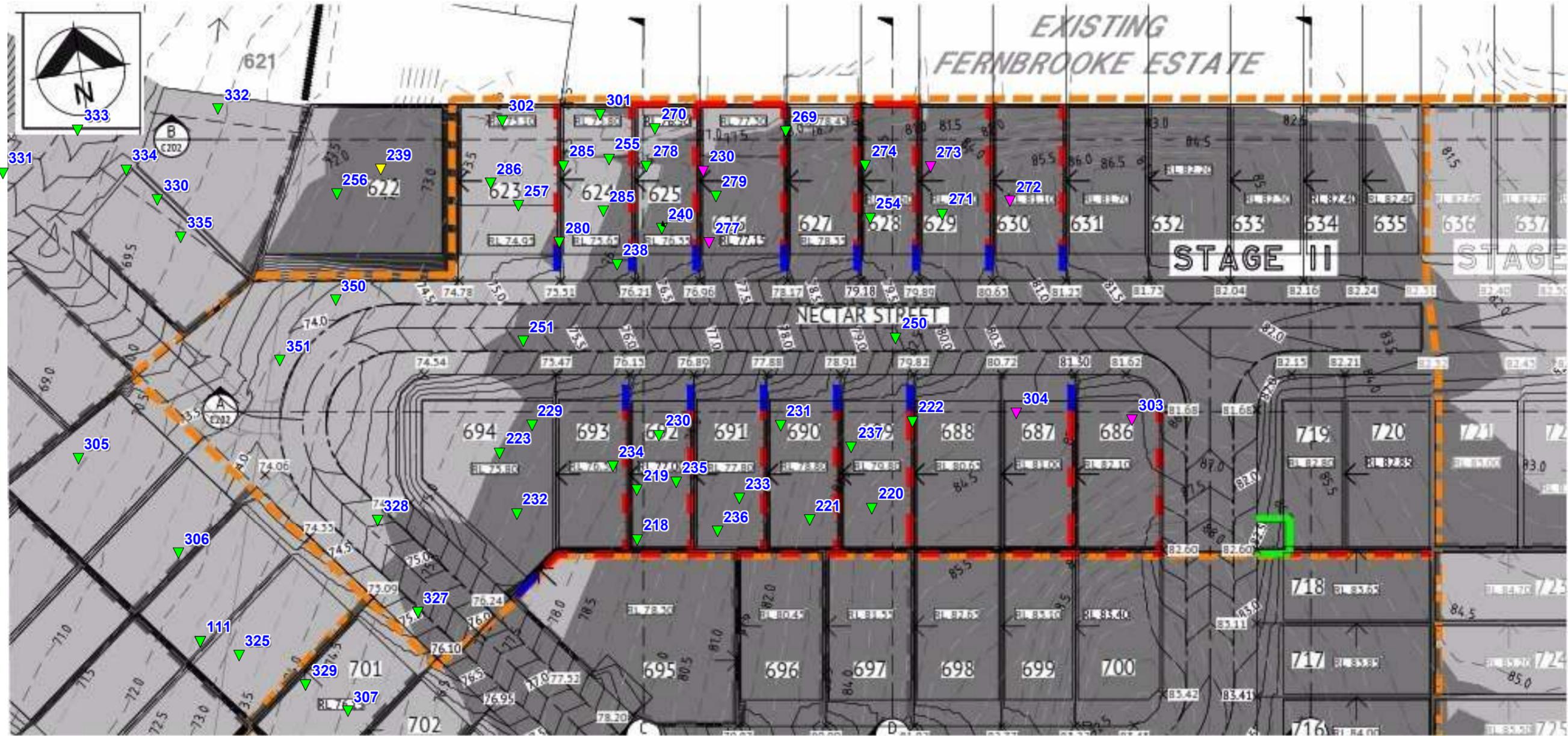
A handwritten signature in blue ink, appearing to read "Mick Morrison".

**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

ABN: 51 009 878 899

Unit 1/ 35 Limestone St, Darra 4076 Ph: 3279 0900  
 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly, D. Dragun, & J. Greentree  
 Geologists: L. Bexley & R. Howchin  
 Laboratory: M. Morrison, L. McDowall

**LEGEND**

- ▼ R.L 50.0 - 59.99
- ▼ R.L 60.0 - 69.99
- ▼ R.L 70.0 - 79.99
- ▼ R.L 80.0 - 89.99
- ▼ R.L 90.0 - 99.99
- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTH PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14492  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 692  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 692 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

This report should be read in conjunction with Morrison Geotechnic Report “14371 – DL18/334 Shadforths – Level One Compliance Report – Eden’s Crossing Stage 10” Dated 1<sup>st</sup> March 2019.

The Brief from the Client for was limited to:

- Level One Inspection of the placement and compaction of fill materials in accordance with AS3798 2007 – “Guidelines on Earthworks for Commercial and Residential Developments”;
- Relative Density Control Testing in accordance with AS1289 – Testing of Soils for Engineering Purposes and at frequencies required in AS3798 Table 8.
- Ipswich City Council Specifications.
- Notes on ETS Civil Drawings.

Level One Inspections and Testing was carried out on the stripped ground surfaces and during the placement and compaction of fill materials. Field and laboratory testing included proof roll testing of the stripped surface, field density testing using the nuclear soil moisture density gauge and standard Compactions.

Compaction testing at the Eden’s Crossing stage 10 Development was carried out at a frequency of 1 test per 500m<sup>3</sup> of placed and compacted fill as defined in AS3798 Table 8.1. Test locations were selected using Random Stratified methods. Compaction testing was carried out at frequencies representative of the fill volume as a mass. On this basis, compaction testing was not required on each individual Lot.

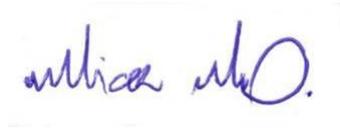
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 692 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 692 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

A handwritten signature in blue ink, appearing to read "Mick Morrison".

**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



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 Geologists: L. Bexley & R. Howchin  
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**LEGEND**

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- Final Level

Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTHS PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14423  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 693  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

Earthworks filling operations were carried out on Lot 692 at the above Development to form a working platform to support a future residential building.

Earthworks were constructed by Shadforths Civil (The Client) between November 2018 and January 2019.

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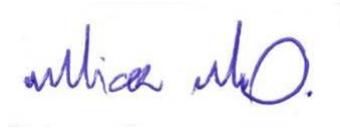
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 693 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 693 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

If there are any queries concerning the above please do not hesitate to contact this office, or alternatively send to my email at [mickmorrison@morrisongeo.com.au](mailto:mickmorrison@morrisongeo.com.au).

Yours faithfully,

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**M. MORRISON**

For and on Behalf of

**MORRISON GEOTECHNIC PTY LIMITED**

Encl: Marked Up Site Pan



**MORRISON GEOTECHNIC PTY LTD**

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 Email: brisbanelab@morrisongeo.com.au Fax: 3279 0955

Engineers: J. Daly,  
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**LEGEND**

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Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTH PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale

Brisbane Office  
Job Number: DL18/334  
Ref No: 14494  
Author: M. Morrison

25<sup>th</sup> March 2019

Shadforths Civil Pty Ltd  
99 Sandalwood Lane  
Forest Glen 4556

**ATTENTION: MR MICHAEL PRITCHARD**  
Email: [Michael.Pritchard@shadcivil.com.au](mailto:Michael.Pritchard@shadcivil.com.au)

Dear Sir,

**RE: LOT 694  
LEVEL ONE COMPLIANCE REPORT FOR  
EARTHWORKS FILL CONSTRUCTION  
EDENS CROSSING STAGE 11**

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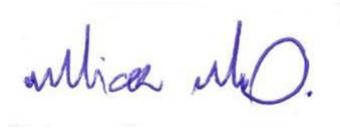
A marked-up site plan shown the location of compaction testing is attached.

Fill constructed on Lot 694 has been observed to be placed and compacted in accordance with the Brief. The fill on Lot 694 can be termed as "Controlled Fill" in accordance with AS 2870-2011 "Residential Slabs and Footings".

This statement does not include any top soil, which may have been placed for use as Lot dressing or any other subsequent earthworks after January 2019.

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Yours faithfully,

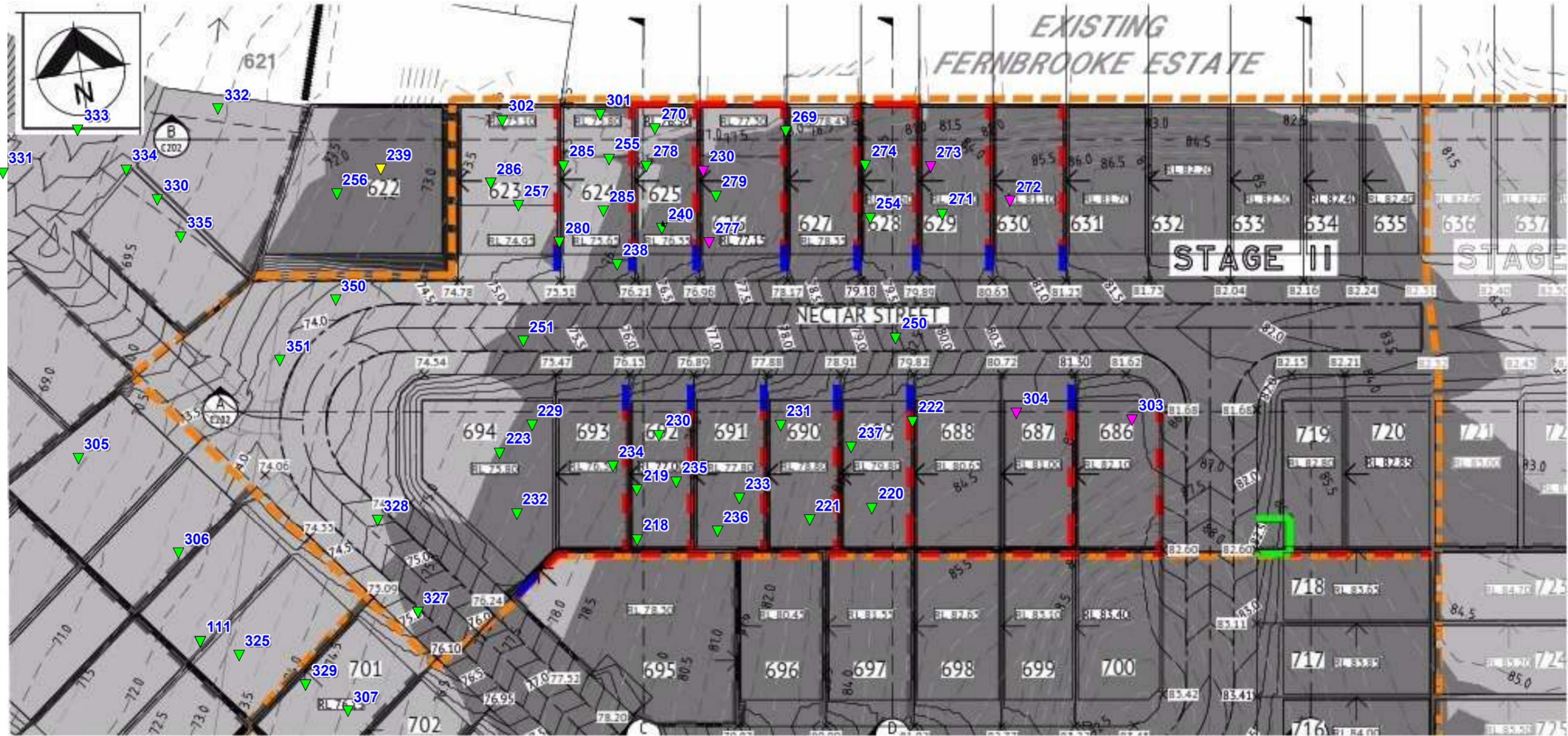
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**M. MORRISON**

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Map Description :	<b>EARTHWORKS FIELD DENSITY TESTING - Level 1 Inspection</b>		
Client :	SHADFORTHS PTY LTD		
Project :	<b>EDENS CROSSING, STAGE 11</b>		
Project No :	DL18/334	Drawing No :	DL15/334 - 01
		Scale :	Not to Scale