



13th November 2020

Ref No: 764_SEE Civil_Level 1_Stage 1Pi

REPORT ON LEVEL 1 EARTHWORKS INSPECTION AND TESTING



PROJECT: FLAGSTONE CITY STAGE 1Pi

CONTRACTOR: SEE CIVIL PTY LTD

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1 INTRODUCTION

1.0 GENERAL

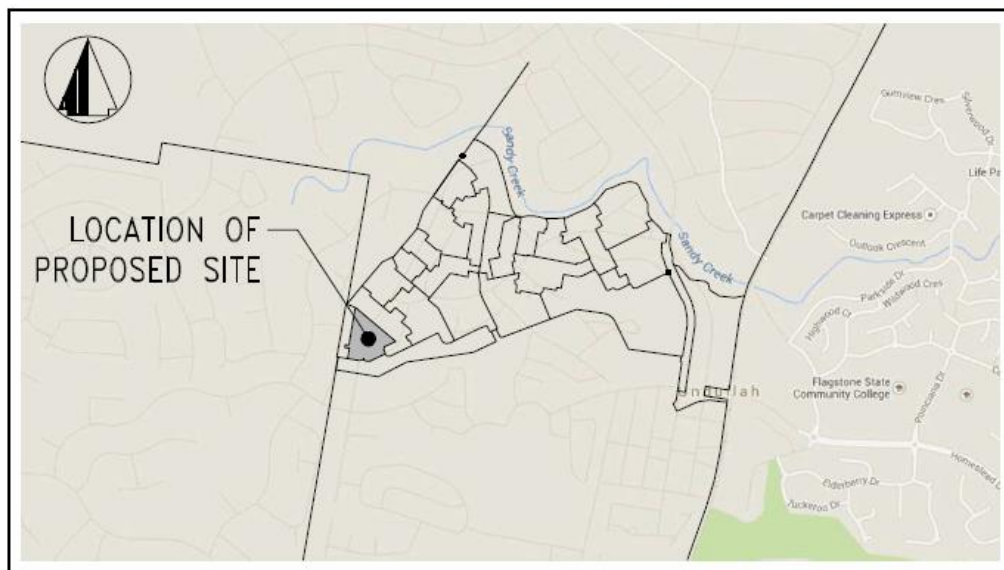
Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with Clause 8.2 of AS 3798-2007 '*Guidelines on Earthworks for Commercial and Residential Developments*'.

The fill placed on the development between 17/09/2020 and 23/09/2020 as detailed in this report is considered to be controlled Fill as defined in AS2870 – 2011 '*Residential Slabs & Footings*'.

1.1 SITE DESCRIPTION

The site is located at the Flagstone City Residential Estate off Flagstonian Drive in Queensland. The Stage 1Pi site is a 31lot residential subdivision.

Drawing showing the Site Location.



2 WORKS AND SPECIFICATIONS

The earthworks generally comprised of Level 1 filling placed across lots 435 to 441 and lot 743. The remainder of the site earthworks consisted of leveling and trimming of allotments. Filling was conducted by using site won materials. The fill materials were placed in layers not exceeding 200mm and moisture conditioned as required. Pad foot rollers were then utilized to compact the fill until the required density specifications were achieved.

Filling was carried out in accordance with AS3798-2007 '*Guidelines on Earthworks for Commercial and Residential Developments*' and with the project specification prepared for the project.

The specification requirements were that all fill was to be placed and compacted in layers to a density ratio of not less than 95% of the maximum dry density as determined by AS1289.5.4.1 (Standard Compaction).

3 PREVIOUS EARTHWORKS

Earthworks have previously been carried out at the site. The earthworks were carried out between the 9/02/2018 and 30/07/2017. The Level 1 inspection and testing services were carried out by ASCT Brisbane South and is detailed our report, **Reference No: 345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1** dated **20th August 2018**.

4 FILL FOUNDATION

The stripped surfaces of proposed fill areas were inspected and proof rolled prior to placement of fill. In general, the proof rolling was carried out with the equipment used to compact the fill and water truck. Compliance of the fill foundation and approval to commence filling was on the basis of:

- adequate removal of topsoil and organics
- adequate removal of soft compressible soils
- soundness (minimum deflection) under proof rolling
- Adequate benching into existing slopes/batters

5 COMPLIANCE TESTING

Test locations were randomly selected by the Geotechnical Testing Authority (GTA) Australian Soil and Concrete Testing. Compaction control tests were carried out at regular intervals throughout the placement of fill in accordance with the minimum test frequency recommendations included in the specifications. The table below summarises the test results. The test locations were not professionally surveyed and should be considered approximate.

All field density tests carried out on the structural fill meet the minimum specification requirements of 95% Standard Compaction (AS 1289 5.8.1, 5.1.1, 5.7.1 & 2.1.1).

SUMMARY OF FIELD DENSITY TEST RESULTS

Sample No	Date of Test	Description			Level	Density Ratio
42424	17/09/2020	Lot 441	E: 33325.88	N: 73121.12	70.72	100.0%
42425	17/09/2020	Lot 440	E: 33327.40	N: 73110.63	70.15	98.5%
42590	18/09/2020	Saunders Dve	500	2m L CL	0.1m BSG	101.0%
42591	18/09/2020	Saunders Dve	600	1m R CL	0.1m BSG	102.0%
42592	21/09/2020	Lot 439	2m South, 18m West	NE Corner	FL	102.5%
42593	21/09/2020	Lot 438	6m South, 6m West	NE Corner	FL	103.0%
42594	21/09/2020	Lot 437	5m South, 12m West	NE Corner	FL	99.5%
42595	21/09/2020	Lot 436	4m South, 11m West	NE Corner	FL	97.5%
42605	23/09/2020	Lot 435	3m South, 16m West	NE Corner	FL	102.0%
42606	23/09/2020	Lot 743	14m South, 23m West	NE Corner	FL	102.5%

No. of Tests: 10

Mean: 100.9%

6 CONCLUSION

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction, as far as we have been able to determine, the structural fill placed between the 17/09/2020 and 23/09/2020 is considered to have been carried out in general accordance with AS 3798-2007 '*Guidelines on Earthworks for Commercial and Residential Developments*'.

7 LIMITATIONS

Unless otherwise stated in this report, this report does not include: Backfill behind retaining structures, Backfill to service trenches, Road Pavements, Any Topsoil placed on the site, Slope Stability or Site Drainage.

Please do not hesitate to contact me if you have any queries.

Yours faithfully

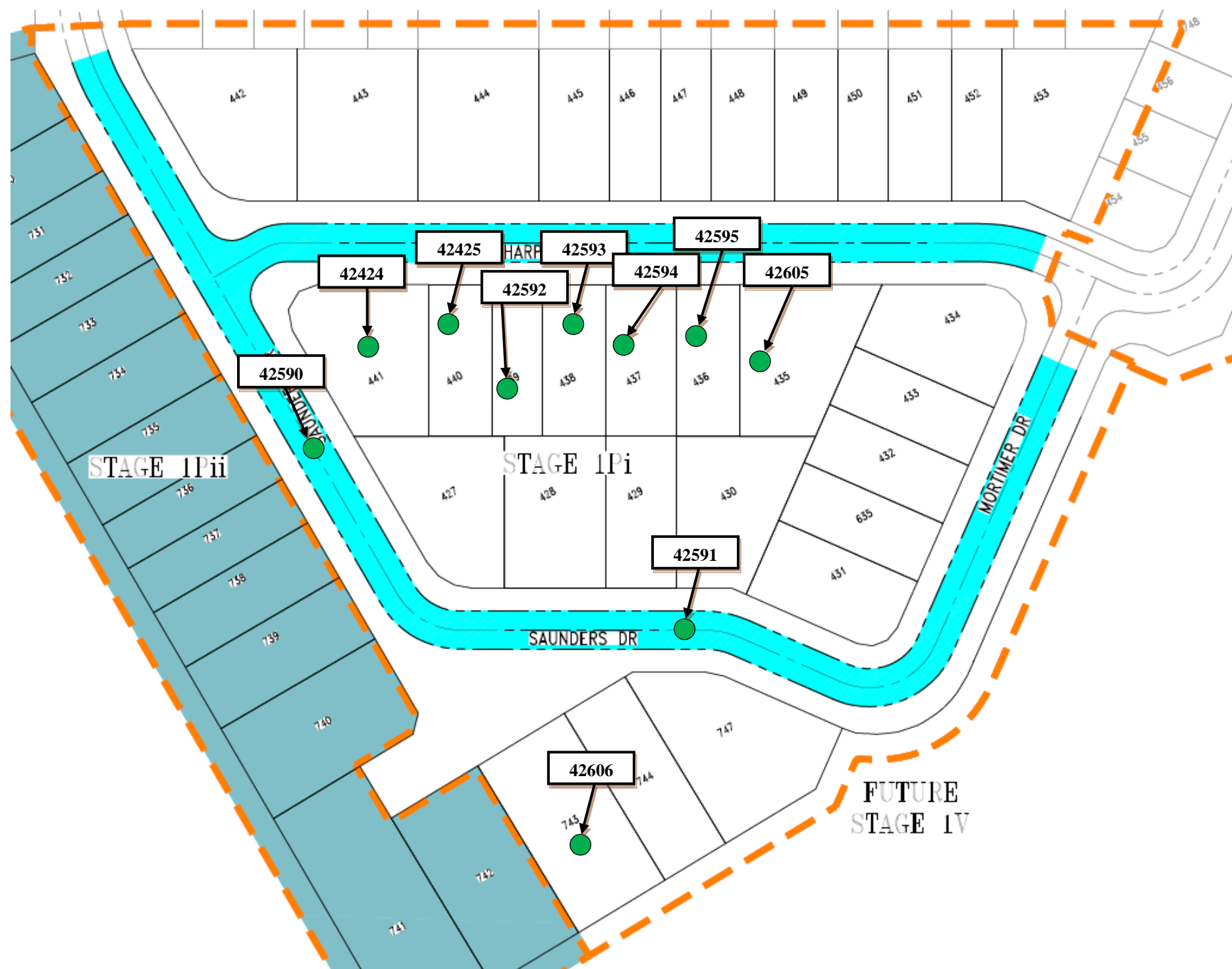


Jason Mckenna
Laboratory Manager

ASCT Brisbane South

Appendix A

Test Location Map



Legend
 Approximate Compaction Test Location – ●



ASCT Brisbane South

PO Box 1232, Park Ridge, Qld 4125

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 Email: brisbane.south@asct.com.au
 Web: www.australiansoilconcretetesting.com.au

Client: **SEE Civil Pty Ltd**

Project Name: **Flagstone City Stage 1Pi**

FIGURE 1
**Compaction Test
 Locations**

Job No: **764**

Appendix B

Test Reports


ASCT Brisbane South

Postal: PO Box 1232 Park Ridge QLD 4125
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 E-Mail: brisbane.south@asct.com.au
 Mobile: 0437 776 582
 A.B.N. 73 193 500 470

Compaction Control Test Report (Nuclear Gauge & Hilf)

Page: 1 of 1

Client:	See Civil Pty Ltd	Report No:	1
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	25/09/2020
Project:	Flagstone Stage 1Pi	Project No:	764
Component:	Allotment Fill	Test Request:	-
Lot Number:	-	ITP/PCP:	

Sample Information & Location

Sample Number:		42424	42425	-	-	-
Field Test Number:		1	2	-	-	-
Date - Field Tested:		18/09/2020	18/09/2020	-	-	-
Time - Field Tested:		PM	PM	-	-	-
Material Source / Type:		On Site - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 441	Lot 440			
Location/Chainage/Easting:	(m)	E: 33325.88	E: 33327.40	-	-	-
Position/Offset/Northing:	(m)	N: 73121.12	N: 73110.63	-	-	-
Level/Layer/R.L.		70.72	70.15	-	-	-
Layer Depth:	(mm)	-	-	-	-	-
Depth Tested:	(mm)	150	150	-	-	-

Field & Laboratory Results

Field Wet Density:	(t/m ³)	2.13	2.06	-	-	-
Field Dry Density:	(t/m ³)	1.95	1.88	-	-	-
Retained Oversize (Wet basis):	(%)	6% on 19.0mm	5% on 19.0mm	-	-	-
Material Description:		-	-	-	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-	-
Field Moisture Content:	(%)	9.0	9.5	-	-	-
Adjusted Lab OMC:	(%)	9.0	9.3	-	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	-	-	-
Lab Max Converted Wet Density:	(t/m ³)	2.11	2.08	-	-	-
Adjusted Lab Max CWD:	(t/m ³)	2.13	2.10	-	-	-
Compactive Effort:		Standard	Standard	-	-	-

Relative Compaction & Moisture

Moisture Variation	(%)	At OMC	At OMC	-	-	-
Moisture Ratio	(%)	102.5	101.0	-	-	-
Density Ratio	(%)	100.0	98.5	-	-	-

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	98.2	2	99.20	1.13	0.905
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1 (Prep), AS1289.5.4.1 - (Dry Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1 - (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1 (Nuclear Gauge, Direct Transmission), AS 1289.1.2.1, CI 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

Remarks Regarding the Lot.

Laboratory testing 24/09/2020



Accredited for compliance with ISO/IEC 17025 - Testing. The results relate only to the items sampled/tested.

Accreditation number: 19902

Approved By:

A. Lenkeit
 Approved Signatory


ASCT Brisbane South

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Page: 1 of 1

Client:	See Civil Pty Ltd	Report No:	2
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	29/09/2020
Project:	Flagstone Stage 1Pi	Project No:	764
Component:	Embankment Filling	Test Request:	-
Lot Number:	-	ITP/PCP:	

Sample Information & Location

Sample Number:		42590	42591	-	-	-
Field Test Number:		1	2	-	-	-
Date - Field Tested:		18/09/2020	18/09/2020	-	-	-
Time - Field Tested:		PM	PM	-	-	-
Material Source / Type:		On Site - Embankment Fill				
Remarks / Notes:						
Control Line:		Saunders Dve	Saunders Dve			
Location/Chainage/Easting:	(m)	500	600	-	-	-
Position/Offset/Northing:	(m)	2m L CL	1m R CL	-	-	-
Level/Layer/R.L.		Subgrade - 100mm	Subgrade - 100mm	-	-	-
Layer Depth:	(mm)	-	-	-	-	-
Depth Tested:	(mm)	150	150	-	-	-

Field & Laboratory Results

Field Wet Density:	(t/m ³)	2.07	2.08	-	-	-
Field Dry Density:	(t/m ³)	1.87	1.86	-	-	-
Retained Oversize (Wet basis):	(%)	4% on 19.0mm	6% on 19.0mm	-	-	-
Material Description:		-	-	-	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-	-
Field Moisture Content:	(%)	11.0	11.5	-	-	-
Adjusted Lab OMC:	(%)	12.7	13.0	-	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	-	-	-
Lab Max Converted Wet Density:	(t/m ³)	2.04	2.01	-	-	-
Adjusted Lab Max CWD:	(t/m ³)	2.05	2.04	-	-	-
Compactive Effort:		Standard	Standard	-	-	-

Relative Compaction & Moisture

Moisture Variation	(%)	1.5% Drier than OMC	1.5% Drier than OMC	-	-	-
Moisture Ratio	(%)	87.5	89.0	-	-	-
Density Ratio	(%)	101.0	102.0	-	-	-

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	100	100.9	2	101.40	0.57	0.905
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1 (Prep), AS1289.5.4.1 - (Dry Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1 - (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, CI 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

Remarks Regarding the Lot.

Laboratory testing 26/09/2020



Accredited for compliance with ISO/IEC 17025 - Testing. The results relate only to the items sampled/tested.

Accreditation number: 19902

Approved By:

A. Lenkeit
 Approved Signatory


ASCT Brisbane South

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Page: 1 of 1

Client:	See Civil Pty Ltd	Report No:	3
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	29/09/2020
Project:	Flagstone Stage 1Pi	Project No:	764
Component:	Allotment Filling	Test Request:	-
Lot Number:	-	ITP/PCP:	

Sample Information & Location

Sample Number:		42592	42593	42594	42595	-
Field Test Number:		1	2	3	4	-
Date - Field Tested:		21/09/2020	21/09/2020	21/09/2020	21/09/2020	-
Time - Field Tested:		PM	PM	PM	PM	-
Material Source / Type:		On Site - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 439	Lot 438	Lot 437	Lot 436	
Location/Chainage/Easting:	(m)	2m South, 18m West	6m South, 6m West	5m South, 12m West	4m South, 11m West	-
Position/Offset/Northing:	(m)	NE Corner	NE Corner	NE Corner	NE Corner	-
Level/Layer/R.L.		FL	FL	FL	FL	-
Layer Depth:	(mm)	-	-	-	-	-
Depth Tested:	(mm)	150	150	150	150	-

Field & Laboratory Results

Field Wet Density:	(t/m ³)	2.19	2.15	2.10	2.04	-
Field Dry Density:	(t/m ³)	2.00	1.93	1.90	1.82	-
Retained Oversize (Wet basis):	(%)	7% on 19.0mm	3% on 19.0mm	6% on 19.0mm	5% on 19.0mm	-
Material Description:		-	-	-	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-
Field Moisture Content:	(%)	9.5	11.0	10.5	12.5	-
Adjusted Lab OMC:	(%)	11.4	12.5	12.5	14.1	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-
Lab Max Converted Wet Density:	(t/m ³)	2.11	2.07	2.09	2.07	-
Adjusted Lab Max CWD:	(t/m ³)	2.13	2.08	2.11	2.09	-
Compactive Effort:		Standard	Standard	Standard	Standard	-

Relative Compaction & Moisture

Moisture Variation	(%)	2.0% Dryer than OMC	1.5% Dryer than OMC	2% Dryer than OMC	1.5% Dryer than OMC	-
Moisture Ratio	(%)	83.5	89.5	85.0	88.0	-
Density Ratio	(%)	102.5	103.0	99.5	97.5	-

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	99.1	4	100.75	2.51	0.640
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1 (Prep), AS1289.5.4.1 - (Dry Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1 - (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1 (Nuclear Gauge, Direct Transmission), AS 1289.1.2.1, CI 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

Remarks Regarding the Lot.

Laboratory testing 26/09/2020



Accredited for compliance with ISO/IEC 17025 - Testing. The results relate only to the items sampled/tested.

Accreditation number: 19902

Approved By:

A. Lenkeit
 Approved Signatory


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Compaction Control Test Report (Nuclear Gauge & Hilf)

Page: 1 of 1

Client:	See Civil Pty Ltd	Report No:	4
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	1/10/2020
Project:	Flagstone Stage 1Pi	Project No:	764
Component:	Allotment Filling	Test Request:	-
Lot Number:	-	ITP/PCP:	

Sample Information & Location

Sample Number:		42605	42606	-	-	-
Field Test Number:		1	2	-	-	-
Date - Field Tested:		23/09/2020	23/09/2020	-	-	-
Time - Field Tested:		PM	PM	-	-	-
Material Source / Type:		On Site - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 435	Lot 743			
Location/Chainage/Easting:	(m)	3m South, 16m West	14m South, 23m West	-	-	-
Position/Offset/Northing:	(m)	NE Corner	NE Corner	-	-	-
Level/Layer/R.L.		FL	FL	-	-	-
Layer Depth:	(mm)	-	-	-	-	-
Depth Tested:	(mm)	150	150	-	-	-

Field & Laboratory Results

Field Wet Density:	(t/m ³)	2.11	2.15	-	-	-
Field Dry Density:	(t/m ³)	1.92	1.95	-	-	-
Retained Oversize (Wet basis):	(%)	0% on 19.0mm	0% on 19.0mm	-	-	-
Material Description:		-	-	-	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-	-
Field Moisture Content:	(%)	10.0	10.0	-	-	-
Adjusted Lab OMC:	(%)	11.9	12.0	-	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	-	-	-
Lab Max Converted Wet Density:	(t/m ³)	2.07	2.10	-	-	-
Adjusted Lab Max CWD:	(t/m ³)	2.07	2.10	-	-	-
Compactive Effort:		Standard	Standard	-	-	-

Relative Compaction & Moisture

Moisture Variation	(%)	2.0% Drier than OMC	2.0% Drier than OMC	-	-	-
Moisture Ratio	(%)	84.5	85.5	-	-	-
Density Ratio	(%)	102.0	102.5	-	-	-

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	101.9	2	102.20	0.28	0.905
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1 (Prep), AS1289.5.4.1 - (Dry Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1 - (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1 (Nuclear Gauge, Direct Transmission), AS 1289.1.2.1, CI 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

Remarks Regarding the Lot.

Accredited for compliance with ISO/IEC 17025 - Testing. The results relate only to the items sampled/tested.

Accreditation number: 19902

Approved By:

A. Lenkeit
 Approved Signatory

Appendix C

Individual Lot Reports



ASCT Brisbane South

PO Box 1232

Park Ridge, QLD 4125

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Mobile: 0437 776 582 or 0439 776 589

Email: brisbane.south@asct.com.au

Web: www.australiansoilconcretetesting.com.au

13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 427

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 427 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 '*Guidelines on earthworks for commercial and residential developments*'.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **427** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 '*Residential Slabs & Footings*'.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

Jason Mckenna
Laboratory Manager

ASCT Brisbane South
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Web: www.australiansoilconcretetesting.com.au

13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 428

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 428 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **428** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

Jason Mckenna
Laboratory Manager

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 429

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 429 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **429** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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Laboratory Manager

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Web: www.australiansoilconcretetesting.com.au

13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 430

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 430 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **430** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 431

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 431 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **431** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 432

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 432 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **432** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 433

SEE Civil Pty Ltd
108 Siganto Drive
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CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 433 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **433** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 434

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 434 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **434** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 435

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 435 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **435** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 436

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 436 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **436** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 437

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 437 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **437** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 438

SEE Civil Pty Ltd
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Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 438 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **438** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 439

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 439 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 '*Guidelines on earthworks for commercial and residential developments*'.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **439** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 '*Residential Slabs & Footings*'.

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 440

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 440 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **440** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

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Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 441

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 441 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **441** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 442

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 442 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **442** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 443

SEE Civil Pty Ltd
108 Siganto Drive
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CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 443 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **443** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 444

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 444 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **444** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 445

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 445 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **445** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 446

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 446 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **446** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 447

SEE Civil Pty Ltd
108 Siganto Drive
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CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 447 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **447** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 448

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 448 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **448** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 449

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 449 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **449** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 450

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 450 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **450** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 451

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 451 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **451** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 452

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 452 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **452** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 453

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 453 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **453** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 635

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 635 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **635** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 743

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 743 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 '*Guidelines on earthworks for commercial and residential developments*'.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **743** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 '*Residential Slabs & Footings*'.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 744

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 744 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **744** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

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13th November 2020

Ref No: Flagstone City Stage 1Pi_Lot 747

SEE Civil Pty Ltd
108 Siganto Drive
Helensvale QLD 4210

CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

LOT 747 – FLAGSTONE CITY STAGE 1Pi

Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with the requirements of AS 3798-2007 *'Guidelines on earthworks for commercial and residential developments'*.

Earthworks were conducted on the site between 17/09/2020 and 23/09/2020. We have issued this letter to cover any filling placed on the lot and any re-compaction of loosened materials across any cutting area of the allotment.

Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **747** is considered to have been carried out in general accordance with AS3798-2007 and is considered to be Controlled Fill as defined in AS2870 – 2011 *'Residential Slabs & Footings'*.

Full details of the inspection and testing previously conducted is included in our report Ref No: **345_SEE Civil_Flagstone City Stage 1 West Bulk Earthworks_Level 1_Revision 1.**

Please do not hesitate to contact me if you have any queries.

Yours faithfully

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