



3<sup>rd</sup> September 2021

Ref No: 947\_SEE Civil\_Level 1\_Flagstone City Stage 2G

# **REPORT ON LEVEL 1 EARTHWORKS INSPECTION AND TESTING**



**PROJECT: FLAGSTONE CITY STAGE 2G**

**CONTRACTOR: SEE CIVIL PTY LTD**

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## 1 INTRODUCTION

### 1.0 GENERAL

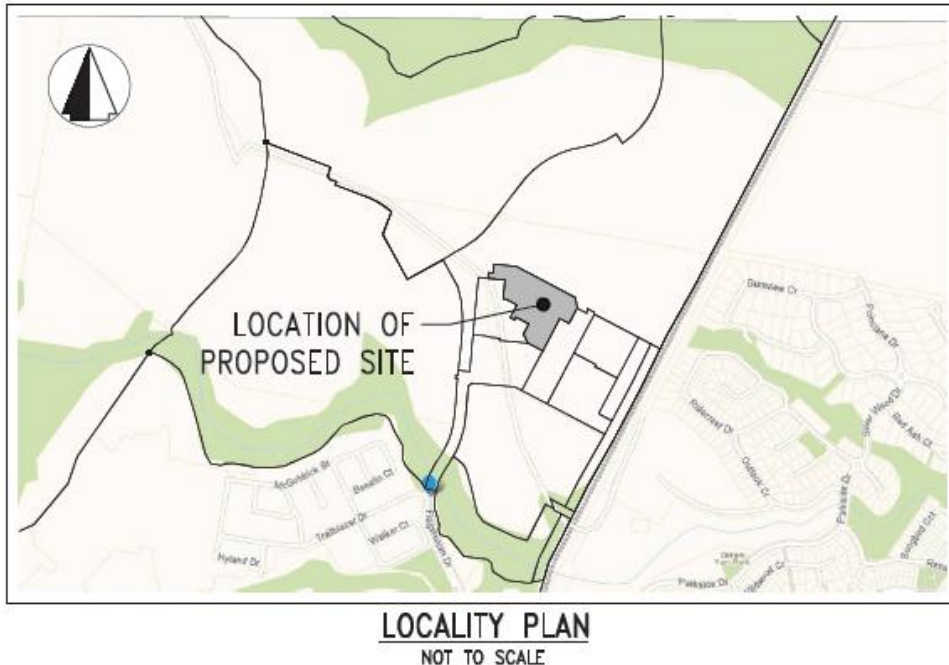
Australian Soil and Concrete Testing was commissioned by SEE Civil Pty Ltd to provide earthworks inspection and testing services on a 'Level 1' basis in accordance with Clause 8.2 of AS 3798-2007 '*Guidelines on Earthworks for Commercial and Residential Developments*'.

The fill placed on the development between 24/06/2021 and 30/08/2021 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 2G site is a 58 lot residential subdivision.

Drawing showing the Site Location.



## 2 WORKS AND SPECIFICATIONS

The earthworks generally comprised of Level 1 filling placed across the site. 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 previous earthworks were carried out between the 12/01/2021 and 21/05/2021. The Level 1 inspection and testing services were carried out by ASCT Brisbane South and is detailed our report, **Reference No: 664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

### 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 NUMBER	SAMPLE DATE	SAMPLE LOCATION			LEVEL OF TEST	DENSITY RATIO %
51319	24/06/2021	Lot 937	From NW corner of Lot	5m South, 5m East	Finish Level	99.0
51320	24/06/2021	Lot 939	From NW corner of Lot	12m South, 7m East	Finish Level	98.0
51321	24/06/2021	Lot 941	From NW corner of Lot	22m South, 5m East	Finish Level	96.0
51322	24/06/2021	Lot 992	From NW corner of Lot	3m South, 10m East	Finish Level	98.0
51323	24/06/2021	Lot 994	From NW corner of Lot	5m South, 7m East	Finish Level	95.5
51324	24/06/2021	Lot 1047	From NW corner of Lot	20m South, 10m East	Finish Level	99.5
51325	24/06/2021	Lot 997	From NW corner of Lot	12m South, 3m East	Finish Level	99.0
51326	24/06/2021	Lot 1000	From NW corner of Lot	22m South, 7m East	Finish Level	96.5
51740	7/07/2021	Lot 1011	From NW corner of Lot	10m East, 5m South	Finish Level	96.5

51741	7/07/2021	Lot 1009	From NW corner of Lot	5m East, 15m South	Finish Level	97.5
51742	7/07/2021	Lot 1007	From NW corner of Lot	7m East, 20m South	Finish Level	97.5
51743	7/07/2021	Lot 1005	From NW corner of Lot	3m East, 8m South	Finish Level	98.5
51744	7/07/2021	Lot 1013	From NW corner of Lot	8m East, 5m South	Finish Level	99.0
51745	7/07/2021	Lot 1015	From NW corner of Lot	7m East, 12m South	Finish Level	97.0
53527	13/08/2021	Bulk Fill	E: 35048.55	N: 74134.41	RL: 52.179	99.5
53528	13/08/2021	Bulk Fill	E: 35027.03	N: 74142.79	RL: 52.530	98.0
53529	13/08/2021	Bulk Fill	E: 35005.88	N: 74152.29	RL: 53.104	97.5
53530	13/08/2021	Bulk Fill	E: 35073.74	N: 74154.85	RL: 51.476	98.5
53531	13/08/2021	Bulk Fill	E: 35049.04	N: 74163.70	RL: 51.767	100.0
53532	13/08/2021	Bulk Fill	E: 35010.61	N: 74129.61	RL: 52.026	98.5
53533	13/08/2021	Bulk Fill	E: 35026.99	N: 74167.57	RL: 52.283	99.5
53534	13/08/2021	Bulk Fill	E: 35039.61	N: 74171.61	RL: 52.143	100.5

**No. of Tests: 22**

**Mean: 98.2 %**

## 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 24/06/2021 and 30/08/2021 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 Reports



**ASCT Brisbane South**  
 Postal: PO Box 1232 Park Ridge QLD 4125  
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**Compaction Control Test Report (Nuclear Gauge & Hilf)** Page: 1 of 2

Client:	See Civil Pty Ltd	Report No:	1
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	8/07/2021
Project:	Stage 2G - Flagstone	Project No:	947
Component:	Level 1 Fill	Test Request:	-
Lot Number:	-	ITP/PCP:	-

**Sample Information & Location**

Sample Number:	51319	51320	51321	51322	51323
Field Test Number:	-	-	-	-	-
Date - Field Tested:	24/06/2021	24/06/2021	24/06/2021	24/06/2021	24/06/2021
Time - Field Tested:	1200	1210	1220	1230	1240
Material Source / Type:	On Site - General Fill				
Remarks / Notes:					
Control Line:	Lot 937	Lot 939	Lot 941	Lot 992	Lot 994
Location/Chainage/Easting: (m)	From NW corner of Lot	From NW corner of Lot	From NW corner of Lot	From NW corner of Lot	From NW corner of Lot
Position/Offset/Northing: (m)	5m South, 5m East	12m South, 7m East	22m South, 5m East	3m South, 10m East	5m South, 7m East
Level/Layer/R.L.	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Layer Depth: (mm)	-	-	-	-	-
Depth Tested: (mm)	150	150	150	150	150

**Field & Laboratory Results**

Field Wet Density: (t/m <sup>3</sup> )	2.20	2.16	2.15	2.18	2.14
Field Dry Density: (t/m <sup>3</sup> )	2.06	2.00	1.99	2.03	1.97
Retained Oversize (Wet basis): (%)	6% on 19.0mm	3% on 19.0mm	4% on 19.0mm	4% 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	AS1289.2.1.1 - Oven
Field Moisture Content: (%)	7.0	8.0	8.0	7.5	8.5
Adjusted Lab OMC: (%)	9.1	9.5	9.3	9.2	10.0
Fraction Tested:	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm
Lab Max Converted Wet Density: (t/m <sup>3</sup> )	2.21	2.20	2.23	2.22	2.24
Adjusted Lab Max CWD: (t/m <sup>3</sup> )	2.22	2.21	2.24	2.22	2.24
Compactive Effort:	Standard	Standard	Standard	Standard	Standard

**Relative Compaction & Moisture**

Moisture Variation (%)	2.0% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC	2% Drier than OMC	1.5% Drier than OMC
Moisture Ratio (%)	77.5	86.5	84.0	80.0	86.0
Density Ratio (%)	99.0	98.0	96.0	98.0	95.5

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	96.9	8	97.60	1.51	0.453
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, Cl 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)


**Remarks Regarding the Lot.**

Laboratory testing 30/06/2021



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

Accreditation number: 19902

Approved By:   
 Approved Signatory



**ASCT Brisbane South**  
 Postal: PO Box 1232 Park Ridge QLD 4125  
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**Compaction Control Test Report (Nuclear Gauge & Hilf)** Page: 2 of 2

Client:	See Civil Pty Ltd	Report No:	1
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	8/07/2021
Project:	Stage 2G - Flagstone	Project No:	947
Component:	Level 1 Fill	Test Request:	-
Lot Number:	-	ITP/PCP:	-

**Sample Information & Location**

	51324	51325	51326	-	-
Sample Number:	51324	51325	51326	-	-
Field Test Number:	-	-	-	-	-
Date - Field Tested:	-	-	-	-	-
Time - Field Tested:	1250	1300	1310	-	-
Material Source / Type:	On Site - General Fill				
Remarks / Notes:					
Control Line:	Lot 1047	Lot 997	Lot 1000	-	-
Location/Chainage/Easting:	(m) From NW corner of Lot	(m) From NW corner of Lot	(m) From NW corner of Lot	-	-
Position/Offset/Northing:	(m) 20m South, 10m East	(m) 12m South, 3m East	(m) 22m South, 7m East	-	-
Level/Layer/R.L.	Finish Level	Finish Level	Finish Level	-	-
Layer Depth:	(mm) -	(mm) -	(mm) -	-	-
Depth Tested:	(mm) 150	(mm) 150	(mm) 150	-	-

**Field & Laboratory Results**

Field Wet Density:	(t/m <sup>3</sup> )	2.21	2.22	2.17	-	-
Field Dry Density:	(t/m <sup>3</sup> )	2.01	2.04	1.97	-	-
Retained Oversize (Wet basis):	(%)	2% on 19.0mm	4% 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	-	-
Field Moisture Content:	(%)	10.0	8.5	10.0	-	-
Adjusted Lab OMC:	(%)	10.7	10.3	11.8	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m <sup>3</sup> )	2.22	2.24	2.24	-	-
Adjusted Lab Max CWD:	(t/m <sup>3</sup> )	2.22	2.24	2.25	-	-
Compactive Effort:		Standard	Standard	Standard	-	-

**Relative Compaction & Moisture**

Moisture Variation	(%)	1% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC	-	-
Moisture Ratio	(%)	92.0	85.0	85.0	-	-
Density Ratio	(%)	99.5	99.0	96.5	-	-


Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	96.9	8	97.60	1.51	0.453
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, Cl 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

**Remarks Regarding the Lot.**

Laboratory testing 30/06/2021

	<p>Accredited for compliance with ISO/IEC 17025 - Testing. The results relate only to the items sampled/tested.</p> <p>Accreditation number: 19902</p>
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**Compaction Control Test Report (Nuclear Gauge & Hilf)** Page: 1 of 2

Client:	See Civil Pty Ltd	Report No:	9
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	14/07/2021
Project:	Stage 2G - Flagstone	Project No:	947
Component:	Level 1 Fill	Test Request:	-
Lot Number:	-	ITP/PCP:	-

**Sample Information & Location**

Sample Number:	51740	51741	51742	51743	51744
Field Test Number:	-	-	-	-	-
Date - Field Tested:	7/07/2021	7/07/2021	7/07/2021	7/07/2021	7/07/2021
Time - Field Tested:	1200	1205	1210	1215	1220
Material Source / Type:	On Site - General Fill				
Remarks / Notes:					
Control Line:	Lot 1011	Lot 1009	Lot 1007	Lot 1005	Lot 1013
Location/Chainage/Easting: (m)	From NW corner of Lot	From NW corner of Lot	From NW corner of Lot	From NW corner of Lot	From NW corner of Lot
Position/Offset/Northing: (m)	10m East, 5m South	5m East, 15m South	7m East, 20m South	3m East, 8m South	8m East, 5m South
Level/Layer/R.L.	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Layer Depth: (mm)	-	-	-	-	-
Depth Tested: (mm)	150	150	150	150	150

**Field & Laboratory Results**

Field Wet Density: (t/m <sup>3</sup> )	2.07	2.09	2.07	2.09	2.10
Field Dry Density: (t/m <sup>3</sup> )	1.90	1.91	1.89	1.90	1.91
Retained Oversize (Wet basis): (%)	4% on 19.0mm	3% on 19.0mm	5% on 19.0mm	3% on 19.0mm	3% 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	AS1289.2.1.1 - Oven
Field Moisture Content: (%)	9.0	9.0	9.5	10.0	10.0
Adjusted Lab OMC: (%)	10.9	10.8	11.3	11.2	11.7
Fraction Tested:	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm
Lab Max Converted Wet Density: (t/m <sup>3</sup> )	2.13	2.14	2.12	2.12	2.12
Adjusted Lab Max CWD: (t/m <sup>3</sup> )	2.14	2.14	2.13	2.12	2.12
Compactive Effort:	Standard	Standard	Standard	Standard	Standard

**Relative Compaction & Moisture**

Moisture Variation (%)	2.0% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC
Moisture Ratio (%)	82.0	85.0	84.5	87.5	87.0
Density Ratio (%)	96.5	97.5	97.5	98.5	99.0

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	97.2	6	97.63	0.81	0.523
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, Cl 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

**Remarks Regarding the Lot.**

Laboratory testing 09/07/2021

	Accredited for compliance with ISO/IEC 17025 - Testing. The results relate only to the items sampled/tested.	
	Accreditation number: 19902	



**AUSTRALIAN  
SOIL AND  
CONCRETE  
TESTING**

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**Compaction Control Test Report (Nuclear Gauge & Hilf)** Page: 2 of 2

Client:	See Civil Pty Ltd	Report No:	9
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	14/07/2021
Project:	Stage 2G - Flagstone	Project No:	947
Component:	Level 1 Fill	Test Request:	-
Lot Number:	-	ITP/PCP:	-

**Sample Information & Location**

Sample Number:	51745	-	-	-	-
Field Test Number:	-	-	-	-	-
Date - Field Tested:	7/07/2021	-	-	-	-
Time - Field Tested:	1225	-	-	-	-
Material Source / Type:	On Site - General Fill				
Remarks / Notes:					
Control Line:	Lot 1015	-	-	-	-
Location/Chainage/Easting:	(m) From NW corner of Lot	-	-	-	-
Position/Offset/Northing:	(m) 7m East, 12m South	-	-	-	-
Level/Layer/R.L.	Finish Level	-	-	-	-
Layer Depth:	(mm) -	-	-	-	-
Depth Tested:	(mm) 150	-	-	-	-

**Field & Laboratory Results**

Field Wet Density:	(t/m <sup>3</sup> )	2.09	-	-	-	-
Field Dry Density:	(t/m <sup>3</sup> )	1.88	-	-	-	-
Retained Oversize (Wet basis):	(%)	3% on 19.0mm	-	-	-	-
Material Description:		-	-	-	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	-	-	-	-
Field Moisture Content:	(%)	11.0	-	-	-	-
Adjusted Lab OMC:	(%)	11.2	-	-	-	-
Fraction Tested:		Passing 19.0mm	-	-	-	-
Lab Max Converted Wet Density:	(t/m <sup>3</sup> )	2.14	-	-	-	-
Adjusted Lab Max CWD:	(t/m <sup>3</sup> )	2.15	-	-	-	-
Compactive Effort:		Standard	-	-	-	-

**Relative Compaction & Moisture**

Moisture Variation	(%)	At OMC	-	-	-	-
Moisture Ratio	(%)	99.0	-	-	-	-
Density Ratio	(%)	97.0	-	-	-	-


Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	97.2	6	97.63	0.81	0.523
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, Cl 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

**Remarks Regarding the Lot.**

Laboratory testing 09/07/2021

	<p>Accredited for compliance with ISO/IEC 17025 - Testing. The results relate only to the items sampled/tested.</p> <p>Accreditation number: 19902</p>
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**Compaction Control Test Report (Nuclear Gauge & Hilf)** Page: 1 of 2

Client:	See Civil Pty Ltd	Report No:	19
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	24/08/2021
Project:	Stage 2G - Flagstone	Project No:	947
Component:	Level 1 Fill	Test Request:	-
Lot Number:	-	ITP/PCP:	-

**Sample Information & Location**

Sample Number:	53527	53528	53529	53530	53531
Field Test Number:	-	-	-	-	-
Date - Field Tested:	13/08/2021	13/08/2021	13/08/2021	13/08/2021	13/08/2021
Time - Field Tested:	1000	1005	1010	1015	1020
Material Source / Type:	On Site - General Fill				
Remarks / Notes:					
Control Line:	-	-	-	-	-
Location/Chainage/Easting:	(m) E: 35048.55	E: 35027.03	E: 35005.88	E: 35073.74	E: 35049.04
Position/Offset/Northing:	(m) N: 74134.41	N: 74142.79	N: 74152.29	N: 74154.85	N: 74163.70
Level/Layer/R.L.	RL: 52.179	RL: 52.530	RL: 53.104	RL: 51.476	RL: 51.767
Layer Depth:	(mm) -	-	-	-	-
Depth Tested:	(mm) 150	150	150	150	150

**Field & Laboratory Results**

Field Wet Density:	(t/m <sup>3</sup> )	2.14	2.10	2.13	2.09	2.15
Field Dry Density:	(t/m <sup>3</sup> )	1.96	1.92	1.98	1.86	1.91
Retained Oversize (Wet basis):	(%)	1% on 19.0mm	1% on 19.0mm	3% on 19.0mm	2% on 19.0mm	1% 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	AS1289.2.1.1 - Oven
Field Moisture Content:	(%)	9.5	9.5	7.0	12.5	12.5
Adjusted Lab OMC:	(%)	11.2	10.9	8.8	14.0	14.2
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm
Lab Max Converted Wet Density:	(t/m <sup>3</sup> )	2.15	2.14	2.18	2.12	2.15
Adjusted Lab Max CWD:	(t/m <sup>3</sup> )	2.15	2.15	2.18	2.12	2.15
Compactive Effort:		Standard	Standard	Standard	Standard	Standard

**Relative Compaction & Moisture**

Moisture Variation	(%)	2.0% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC
Moisture Ratio	(%)	84.5	86.0	81.5	88.5	89.0
Density Ratio	(%)	99.5	98.0	97.5	98.5	100.0

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	98.5	8	98.95	1.07	0.453
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, Cl 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

**Remarks Regarding the Lot.**

Laboratory testing 23/08/2021

	Accredited for compliance with ISO/IEC 17025 - Testing. The results relate only to the items sampled/tested.	
	Accreditation number: 19902	



**AUSTRALIAN  
SOIL AND  
CONCRETE  
TESTING**

**ASCT Brisbane South**

Postal: PO Box 1232 Park Ridge QLD 4125  
 Laboratory: 4/31 Tradelink Road Hillcrest Q 4118  
 Telephone: 0437 776 582  
 E-Mail: brisbane.south@asct.com.au  
 Mobile: 0437 776 582  
 A.B.N. 28 608 830 306

**Compaction Control Test Report (Nuclear Gauge & Hilf)** Page: 2 of 2

Client:	See Civil Pty Ltd	Report No:	19
Client Address:	108 Siganto Drive, Helensvale QLD 4210	Report Date:	24/08/2021
Project:	Stage 2G - Flagstone	Project No:	947
Component:	Level 1 Fill	Test Request:	-
Lot Number:	-	ITP/PCP:	-

**Sample Information & Location**

	53532	53533	53534	-	-
Sample Number:	-	-	-	-	-
Field Test Number:	-	-	-	-	-
Date - Field Tested:	13/08/2021	13/08/2021	13/08/2021	-	-
Time - Field Tested:	1025	1030	1035	-	-
Material Source / Type:	On Site - General Fill				
Remarks / Notes:					
Control Line:	-	-	-	-	-
Location/Chainage/Easting:	(m) E: 35010.61	E: 35026.99	E: 35039.61	-	-
Position/Offset/Northing:	(m) N: 74129.61	N: 74167.57	N: 74171.61	-	-
Level/Layer/R.L.	RL: 52.026	RL: 52.283	RL: 52.143	-	-
Layer Depth:	(mm) -	-	-	-	-
Depth Tested:	(mm) 150	150	150	-	-

**Field & Laboratory Results**

Field Wet Density:	(t/m <sup>3</sup> )	2.10	2.14	2.14	-	-
Field Dry Density:	(t/m <sup>3</sup> )	1.60	1.94	1.90	-	-
Retained Oversize (Wet basis):	(%)	2% on 19.0mm	2% on 19.0mm	2% on 19.0mm	-	-
Material Description:		-	-	-	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	31.0	10.5	13.0	-	-
Adjusted Lab OMC:	(%)	33.1	11.8	14.3	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m <sup>3</sup> )	2.12	2.15	2.13	-	-
Adjusted Lab Max CWD:	(t/m <sup>3</sup> )	2.13	2.15	2.13	-	-
Compactive Effort:		Standard	Standard	Standard	-	-

**Relative Compaction & Moisture**

Moisture Variation	(%)	2% Drier than OMC	1.5% Drier than OMC	1.5% Drier than OMC	-	-
Moisture Ratio	(%)	93.5	88.0	89.0	-	-
Density Ratio	(%)	98.5	99.5	100.5	-	-

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	95	98.5	8	98.95	1.07	0.453
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, Cl 6.4(b) (Sampling), CV calculations derived from Austroads NTR-09 publication (Not Included in NATA endorsement)

**Remarks Regarding the Lot.**

Laboratory testing 23/08/2021



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

Accreditation number: 19902

# Appendix B

## Individual Lot Reports

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 933

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 933 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **933** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 934

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 934 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **934** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 935

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 935 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **935** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)



3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 936

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 936 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **936** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 937

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 937 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **937** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 938

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 938 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **938** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 939

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 939 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **939** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 940

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 940 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **940** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 941

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 941 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **941** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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## ASCT Brisbane South

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Web: [www.asct.com.au](http://www.asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 942

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 942 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **942** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 943

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 943 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **943** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 944

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 944 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **944** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 945

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 945 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **945** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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Laboratory Manager

ASCT Brisbane South  
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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 946

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 946 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **946** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 947

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 947 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **947** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 948

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 948 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **948** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 949

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 949 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **949** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 950

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 950 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **950** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 951

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 951 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **951** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 952

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 952 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **952** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 953

SEE Civil Pty Ltd  
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Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 953 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **953** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 954

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 954 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **954** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 955

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 955 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **955** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 984

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 984 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **984** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully

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Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 985

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 985 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **985** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 986

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 986 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **986** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 987

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 987 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **987** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 988

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 988 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **988** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 989

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 989 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **989** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 990

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

### **LOT 990 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **990** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 991

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108 Siganto Drive  
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## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 991 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **991** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 992

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## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 992 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **992** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 993

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## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 993 – FLAGSTONE CITY STAGE 2G**

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*'.

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Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **993** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 994

SEE Civil Pty Ltd  
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## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 994 – FLAGSTONE CITY STAGE 2G**

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*'.

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Based on the observations made by Australian Soil and Concrete Testing and the test results obtained during construction the structural fill placed on allotment **994** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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Web: [www.asct.com.au](http://www.asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 995

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 995 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **995** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully

Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)



3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 996

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 996 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **996** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 997

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 997 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **997** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)



## ASCT Brisbane South

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 999

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 999 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **999** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully

Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1000

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1000 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1000** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)



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Web: [www.asct.com.au](http://www.asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1001

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 1001 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **1001** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully

Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1002

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1002 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1002** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1003

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1003 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1003** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)



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Web: [www.asct.com.au](http://www.asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1005

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 1005 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **1005** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1006

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1006 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1006** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1007

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1007 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1007** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1008

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1008 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1008** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1009

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 1009 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **1009** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully

Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1010

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1010 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1010** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1011

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1011 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1011** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1012

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1012 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1012** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1013

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1013 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1013** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1014

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1014 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1014** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1015

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1015 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1015** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
Laboratory Manager

ASCT Brisbane South  
[jason.mckenna@asct.com.au](mailto:jason.mckenna@asct.com.au)

3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1016

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1016 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1016** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



Jason Mckenna  
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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1017

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1017 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1017** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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## ASCT Brisbane South

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1025

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## CERTIFICATE OF CONTROLLED LEVEL 1 FILLING

### LOT 1025 – FLAGSTONE CITY STAGE 2G

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 24/06/2021 and 30/08/2021. 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 **1025** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully

Jason Mckenna  
Laboratory Manager

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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1026

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1026 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1026** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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3<sup>rd</sup> September 2021  
Ref No: Flagstone City Stage 2G\_Lot 1047

SEE Civil Pty Ltd  
108 Siganto Drive  
Helensvale QLD 4210

## **CERTIFICATE OF CONTROLLED LEVEL 1 FILLING**

### **LOT 1047 – FLAGSTONE CITY STAGE 2G**

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 24/06/2021 and 30/08/2021. 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 **1047** 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 Reference No: **664\_SEE Civil\_Flagstone City Stage 2 Bulk Earthworks\_Level 1** dated 24<sup>th</sup> June 2021.

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

Yours faithfully



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