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4th March 2026

Ref No: 908_Level 1_14 Clark Road & 23-27 Anderson Road, Morayfield QLD Stage 1&2

REPORT ON LEVEL 1

EARTHWORKS INSPECTION AND TESTING

Project: **14 Clark Road & 23-27 Anderson Road, Morayfield**

Contractor: **SEE Civil Pty Ltd**

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1 Introduction

1.0 GENERAL

Australian Soil & Concrete Testing P/L (ASCT) was commissioned by Mr. Tyler Brockhurst, on behalf of SEE Civil Pty Ltd (the Contractor). ASCT was engaged in the role of *Geotechnical Inspection & Testing Authority* (the GITA), to provide 'Level 1' services in accordance with section 8.2 of *AS 3798* – *'Guidelines on earthworks for commercial and residential developments'.*

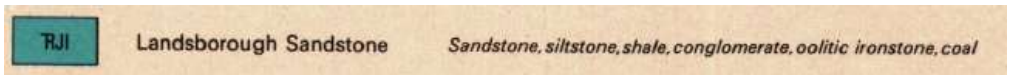
This engagement included the inspection and testing of construction earthworks at 14 Clark Road & 23-27 Anderson Road, Morayfield. Specifically, the filling of allotment fill. A graphical representation of the extent of earthworks covered by this report, is provided in Appendix A.

The earthworks were undertaken by SEE Civil Pty Ltd (the Constructor).

1.1 SITE DESCRIPTION

The site is located at 23-27 Anderson Road (*Stage 1*) & 14 Clark Road (*Stage 2*), Morayfield QLD shown below.

1.2 SITE GEOLOGY



Source: Moreton Geology Map

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2.0 Earthworks

The subject earthworks were commenced on the 08/01/2025 and concluded on the 06/02/2026.

Filling operations were undertaken using site won materials. These materials generally consisted of Clayey Sands and Sandy Clays. The materials exhibited low to medium plasticity.

Fill materials were moisture conditioned, placed in layers not exceeding 300mm, and compacted in place using padfoot rollers.

3.0 Specifications

ASCT was provided with project specifications, which included requirements for;

Compaction	-	Minimum 95% Standard (AS 1289.5.7.1)
Moisture	-	Material OMC ± 2% (AS 1289.5.7.1). Moisture Variation of -2% to +3%.
Layer	-	Max 300mm thickness.

4.0 Inspection & Testing Procedure

Inspections were provided by experienced ASCT Technicians, to confirm that earthworks were constructed to the principles of AS 3798 section 6.2 'Fill Construction'.
These inspections included (as appropriate);

a) The adequate removal of topsoil and organics.
b) The soundness of the fill foundation, to provide a dense stable surface for filling.
c) The profile of the fill foundation, including appropriate benching/keying of slope interface.
d) The placement of imported, and/or site won materials.
e) The moisture conditioning of materials, and subsequent compaction.
f) Test rolling.
g) Testing (Field & Laboratory).

Testing was carried out by ASCT Technicians, in accordance with the Australian Standards AS 1289. The frequency of testing was in accordance with AS 3798 Table 8.1.

Test locations were randomly selected by ASCT. The tests were generally distributed evenly throughout the earthworks, having regard for any areas of concern observed during inspections.

The reported test locations were determined by ASCT. They were not professionally surveyed and should be considered as approximate only.

In the conduct of the inspections & testing (above), ASCT was afforded full access to the works without impairment or undue influence of any kind.

All test results (e.g.: Moisture Content, Moisture Variation & Relative Compaction) have been completed, calculated, rounded & reported strictly in accordance with the stated test methods – By ASCT, without fear or favour of any kind.

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5.0 Results of Compliance Testing

The assessment of compaction test results against the specification, was conducted on a 'not any to fail' basis (see AS 3798 Appendix C). As such, if any test result failed to meet the specification - the earthworks portion represented by that test result has been re-worked & re-tested by ASCT.
ASCT can confirm that all test results indicate that the earthwork materials have been compacted in accordance with the project specification.

All test reports pertaining to the earthworks are included in Appendix B.

A summary of the Field Density test reports is provided, below.

SUMMARY OF FIELD DENSITY TEST RESULTS

Sample Number	Sample Date	Location of Test			Level of Test	Density Ratio %	Moisture Ratio %
29302	8/01/2025	Lot 31	E:495619.67	N:6999765.24	R.L 19.46	98.0%	0.5% DRY
29303	8/01/2025	Lot 20	E:495586.33	N:6999738.42	R.L 18.19	98.5%	0.5% WET
29304	8/01/2025	Lot 25	E:495596.45	N:6999721.58	R.L 17.57	97.5%	2.0% WET
29440	23/01/2025	Lot 39	E:495637.19	N:6999709.13	R.L 17.35	98.0%	2% WET
29441	23/01/2025	Lot 40	E:495645.7	N:6999685.6	R.L 17.30	102.0%	0.5% WET
29442	23/01/2025	Basin	E:495643.5	N:6999667.9	R.L 16.90	104.5%	2.0% DRY
29443	23/01/2025	Lot 12	E:495510.0	N:6999740.0	R.L 17.57	100.0%	0.0% DRY
29444	23/01/2025	Lot 6	E:495493.9	N:6999741.0	R.L 17.70	105.0%	0.0% DRY
29607	30/01/2025	Lot 11	E:495516.3	N:6999727.9	R.L 17.52	98.5%	0.0% DRY
29608	30/01/2025	Lot 9	E:495490.9	N:6999715.8	R.L 17.31	97.5%	0.5% DRY
29609	30/01/2025	Verge	E:495500.1	N:6999687.9	R.L 16.90	97.5%	0.0% DRY
30396	19/03/2025	Lot 1	E:495506.89	N:6999782.05	R.L 19.36	98.5%	1.0% WET
30397	19/03/2025	Lot 16	E:495542.77	N:6999777.48	R.L 19.34	99.0%	1.0% WET
30398	19/03/2025	Lot 16	E:495527.34	N:6999778.13	R.L 19.70	99.5%	1.0% WET
31043	29/05/2025	Lot 22	E:495552.3	N:6999725.5	Lift 1	95.0%	3.0% DRY
31044	29/05/2025	Lot 16	E:495520.7	N:6999780.7	FSL	99.5%	0.0% DRY
31045	29/05/2025	Lot 1	E:495475.6	N:6999789.1	FSL	100.0%	1.5% DRY
31902	23/07/2025	Lot 57	E:495709.3	N:6999436.8	R.L 17.44	99.0%	0.0% DRY
31903	23/07/2025	Lot 58	E:495696.9	N:6999446.8	R.L 17.01	100.0%	0.0% DRY
31904	23/07/2025	Lot 61	E:495673.9	N:6999445.6	R.L 16.81	101.5%	0.0% DRY
31940	24/07/2025	Lot 58	E:495704.3	N:6999437.9	R.L 17.8	97.0%	0.0% DRY
31941	24/07/2025	Lot 61	E:495673.6	N:6999436.9	FSL -0.3m	95.5%	1.5% WET
31942	24/07/2025	Lot 60	E:495682.8	N:6999440.4	FSL - 0.4m	95.0%	2.0% WET
32061	31/07/2025	Lot 58	E:495702.1	N:6999439.3	FSL -0.6m	97.5%	1.5% WET
32062	31/07/2025	Lot 57	E:495716.8	N:6999423.20	FSL -0.3m	96.5%	1.5% WET
32063	31/07/2025	Lot 59	E:495690.6	N:6999433.1	FSL	96.0%	0.5% WET
32084	01/08/2025	Road 05	E:495690.9	N:6999486.5	SG -0.6m	98.5%	1.5% DRY
32085	01/08/2025	Road 05	E:495656.1	N:6999493.3	SG -0.4m	97.5%	2.0% DRY

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32086	01/08/2025	Road 05	E:495621.6	N:6999505.8	SG -0.2m	100.0%	1.5% DRY
32507	27/08/2025	Embankment	E:495725.6	N:6999451.1	R.L 17.2	101.5%	1.5% WET
32508	27/08/2025	Embankment	E:495151.1	N:6999735.7	R.L 17.40	95.5%	1.5% WET
32509	27/08/2025	Lot 57	E:495720.7	N:6999431.4	R.L 18.69	95.5%	0.5% WET
35058	6/02/2026	Lot 67	E:495699	N:6999456	R.L 17.7	97.5%	2.5% DRY
35059	6/02/2026	Lot 66	E:495685	N:6999464	R.L 17.6	95.5%	1.5% DRY
35060	6/02/2026	Lot 64	E:495665	N:6999461	R.L 17.45	98.5%	1.5% DRY
35061	6/02/2026	Lot 43	E:495619	N:6999465	R.L 17.20	95.5%	2.0% DRY
35062	6/02/2026	Lot 42	E:495618	N:6999485	R.L 17.15	97.0%	2.5% DRY
35063	6/02/2026	Lot 41	E:495606	N:6999480	R.L 17.2	97.5%	1.0% DRY

No. of Tests: 38 **Mean: 98.5%**

6.0 Limitations

Unless otherwise stated in this report, this report does not address or include: Backfill behind retaining structures, Backfilling of service trenches, Any topsoil placed on the site, Slope stability, or Site drainage.

The following should also be considered:
a. This report is not a SITE CLASS REPORT as per AS2870-2011 and not a Geotechnical Site Investigation Report as per AS1726-2017.
b. The shrink/swell movements which can occur in the residual silty class due to weather related natural moisture changes by the reduction in surface evaporation subsequent to covering the site with buildings and pavements. As outlined in AS2870-2011 (“Residential Slabs and Footings – Constructions”).
c. It should be noted that there is a possibility that compaction levels may have increased during placement of subsequent layers especially when there have been fully laden earthmoving equipment frequently travel across the fill areas exerting high traffic loads.
d. All compacted filling is subject to decompaction phenomenon.
e. Compacted FILL usually experiences secondary settlement at a rate of about 1% x depth.

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7.0 Conclusion

The earthworks have been conducted under section 8.2 - **Level 1 Inspection and Testing**, of AS 3798 – *Guidelines on earthworks for commercial and residential developments (2007)*.

Based on the inspections and field/laboratory testing, it is the opinion of ASCT that the earthworks are compliant with the project specifications.

Should you require any further assistance please do not hesitate to call this office.

Yours Faithfully,

Mitchell Eaton (Laboratory Manager)

Nicholas Brunott
Senior Engineer RPEQ #36854

Australian Soil & Concrete Testing – Brisbane North

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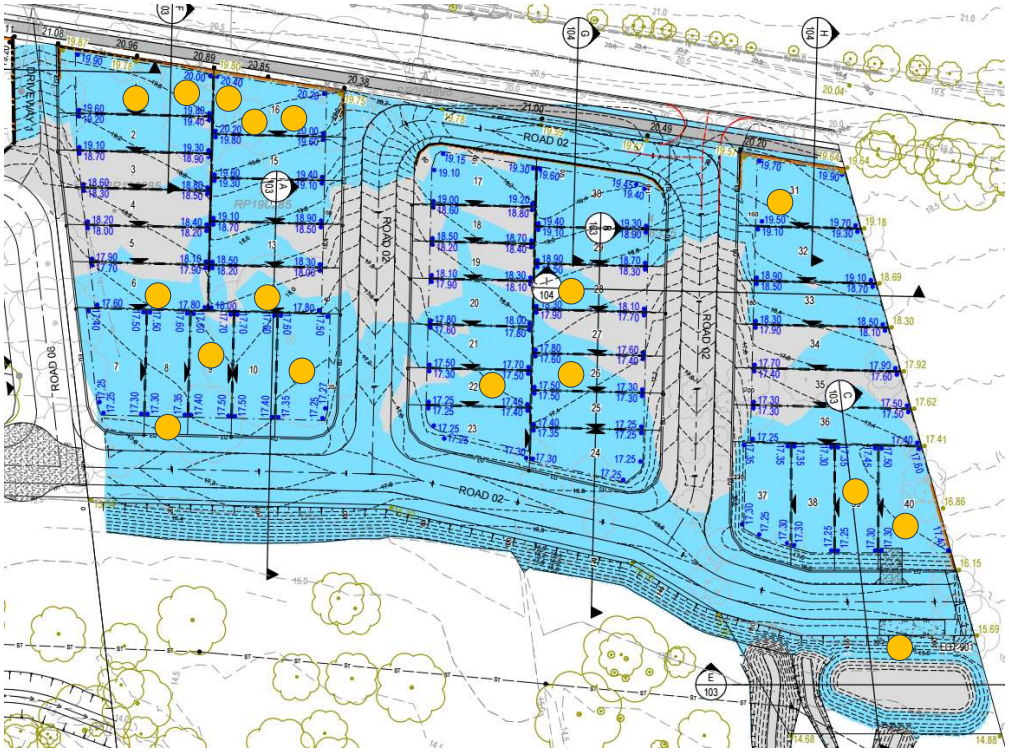
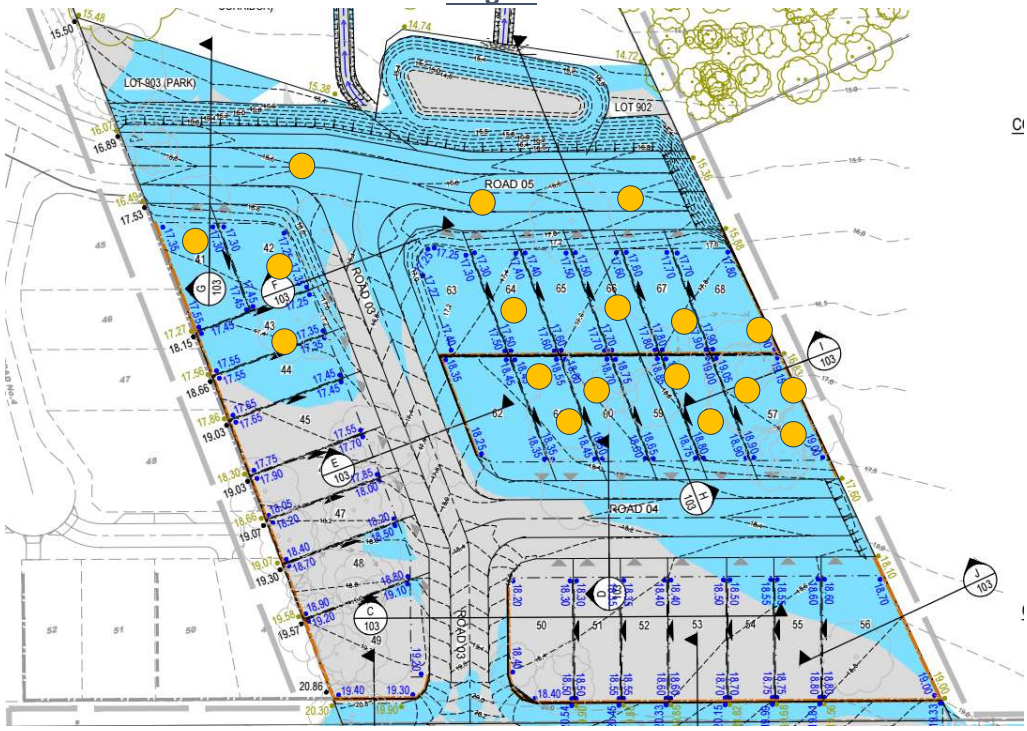
Appendix A – Extent of Earthworks

Stage 1



Stage 2



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Appendix B – Test Reports

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**6**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	10/01/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Allotment Fill	Test Request:	
Lot Number:		ITP/PCP:	

Sample Information & Location

Sample Number:		**29302**	**29303**	**29304**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		8/01/2025	8/01/2025	8/01/2025	-	-
Time - Field Tested:		15:55	15:59	16:04	-	-
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 31	Lot 28	Lot 26		
Location/Chainage/Easting:	(m)	E:495619.67	E:495586.33	E:495596.45	-	-
Position/Offset/Northing:	(m)	N:6999765.24	N:6999738.42	N:6999721.58	-	-
Level/Layer/R.L.		R.L 19.46	R.L 18.19	R.L 17.57	-	-
Layer Depth:	(mm)	300	300	300	-	-
Depth Tested:	(mm)	300	300	300	-	-

Field & Laboratory Results Laboratory testing 09/01/2025

Field Wet Density:	(t/m^3)	2.11	2.16	2.18	-	-
Field Dry Density:	(t/m^3)	1.88	1.94	1.89	-	-
Retained Oversize (Wet basis):	(%)	0% on 19.0mm	0% on 19.0mm	0% on 19.0mm	-	-
Material Description:		Clayey Sand, Brown	Clayey Sand, Brown	Clayey Sand, Brown	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	12.3	11.2	15.2	-	-
Adjusted Lab OMC:	(%)	12.7	10.5	13.0	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.16	2.19	2.23	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.16	2.19	2.23	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	0.5% Dryer than OMC	0.5% Wetter than OMC	2% Wetter than OMC	-	-
Moisture Ratio	(%)	97.5	106.5	117.0	-	-
Density Ratio	(%)	**98.0**	**98.5**	**97.5**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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

NATA Accreditation number: 20313

Approved By: M.Eaton
Approved Signatory

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Compaction Control Test Report (Nuclear Gauge & Hilf)

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Client:	See Civil Pty Ltd	Report No:	**7**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	24/01/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Allotment Fill	Test Request:	
Lot Number:		ITP/PCP:	

Sample Information & Location

Sample Number:		**29440**	**29441**	**29442**	**29443**	**29444**
Field Test Number:		1	2	3	4	5
Date - Field Tested:		23/01/2025	23/01/2025	23/01/2025	23/01/2025	23/01/2025
Time - Field Tested:		1000	1005	1010	1040	1045
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 39	Lot 40	Basin	Lot 12	Lot 6
Location/Chainage/Easting:	(m)	E:495637.19	E:495645.7	E:495643.5	E:495510.0	E:495493.9
Position/Offset/Northing:	(m)	N:6999709.13	N:6999685.6	N:6999667.9	N:6999740.0	N:6999741.0
Level/Layer/R.L.		R.L 17.35	R.L 17.30	R.L 16.90	R.L 17.57	R.L 17.70
Layer Depth:	(mm)	300	300	300	300	300
Depth Tested:	(mm)	300	300	300	300	300

Field & Laboratory Results

Field Wet Density:	(t/m^3)	2.19	2.29	2.23	2.02	2.13
Field Dry Density:	(t/m^3)	1.96	2.10	2.04	1.66	1.84
Retained Oversize (Wet basis):	(%)	0% on 19.0mm	1% on 19.0mm	2% on 19.0mm	0% on 19.0mm	1% on 19.0mm
Material Description:		Silty Sandy Clay, Brown	Sandy Gravelly Clay, Brown	Sandy Gravelly Clay, Brown	Sandy Clay, Red Brown	Silty Sandy Clay, Red Brown
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:	(%)	11.5	9.0	9.5	22.0	15.5
Adjusted Lab OMC:	(%)	9.8	8.4	11.7	22.0	15.7
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm
Lab Max Converted Wet Density:	(t/m^3)	2.23	2.25	2.13	2.03	2.02
Adjusted Lab Max CWD:	(t/m^3)	2.24	2.25	2.13	2.03	2.03
Compactive Effort:		Standard	Standard	Standard	Standard	Standard

Relative Compaction & Moisture

Moisture Variation	(%)	**2.0% Wetter than OMC**	**0.5% Wetter than OMC**	**2.0% Dryer than OMC**	**At OMC**	**At OMC**
Moisture Ratio	(%)	**119.0**	**107.0**	**81.0**	**100.0**	**99.0**
Density Ratio	(%)	**98.0**	**102.0**	**104.5**	**100.0**	**105.0**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
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 - (Moisture 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),

Remarks Regarding the Lot.

Laboratory testing 23/01/2025

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

Accreditation number: 20313

Approved By: M.Eaton
Approved Signatory

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**11**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	5/02/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Allotment Fill	Test Request:	
Lot Number:		ITP/PCP:	-

Sample Information & Location

Sample Number:		**29607**	**29608**	**29609**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		30/01/2025	30/01/2025	30/01/2025	-	-
Time - Field Tested:		12:50	12:55	13:00	-	-
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 11	Lot 9	Verge		
Location/Chainage/Easting:	(m)	E:495516.3	E:495490.9	E:495500.1	-	-
Position/Offset/Northing:	(m)	N:6999727.9	N:6999715.8	N:6999687.9	-	-
Level/Layer/R.L.		R.L 17.52	R.L 17.31	R.L 16.90	-	-
Layer Depth:	(mm)	300	300	300	-	-
Depth Tested:	(mm)	300	300	300	-	-
Field & Laboratory Results		Laboratory testing 04/02/2025				
Field Wet Density:	(t/m^3)	2.23	2.22	2.21	-	-
Field Dry Density:	(t/m^3)	2.03	2.06	1.98	-	-
Retained Oversize (Wet basis):	(%)	4% on 19.0mm	6% on 19.0mm	4% on 19.0mm	-	-
Material Description:		Clayey Gravel	Clayey Gravel	Clayey Gravel	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	9.8	8.1	11.4	-	-
Adjusted Lab OMC:	(%)	10.0	8.5	11.2	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.26	2.27	2.26	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.26	2.28	2.27	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**
Relative Compaction & Moisture						
Moisture Variation	(%)	At OMC	0.5% Dryer than OMC	At OMC	-	-
Moisture Ratio	(%)	98.0	96.0	102.0	-	-
Density Ratio	(%)	**98.5**	**97.5**	**97.5**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**20**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	21/03/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Clark Rd Stage 1 Allotment Fill	Test Request:	
Lot Number:		ITP/PCP:	-

Sample Information & Location

Sample Number:		**30396**	**30397**	**30398**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		19/03/2025	19/03/2025	19/03/2025	-	-
Time - Field Tested:		9:15	9:30	15:00	-	-
Material Source / Type:		Onsite/Import - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 1	Lot 16	Lot 16		
Location/Chainage/Easting:	(m)	E:495506.89	E:495542.77	E:495527.34	-	-
Position/Offset/Northing:	(m)	N:6999782.05	N:6999777.48	N:6999778.13	-	-
Level/Layer/R.L.		R.L 19.36	R.L 19.34	R.L 19.70	-	-
Layer Depth:	(mm)	250	250	250	-	-
Depth Tested:	(mm)	225	225	225	-	-

Field & Laboratory Results Laboratory testing 21/03/2025

Field Wet Density:	(t/m^3)	2.14	2.16	2.18	-	-
Field Dry Density:	(t/m^3)	1.87	1.88	1.91	-	-
Retained Oversize (Wet basis):	(%)	10% on 19.0mm	5% on 19.0mm	2% on 19.0mm	-	-
Material Description:		Sandy Clay, Brown	Sandy Clay, Brown	Sandy Clay, Brown	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	14.3	14.8	14.4	-	-
Adjusted Lab OMC:	(%)	13.3	13.9	13.6	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.16	2.17	2.19	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.18	2.19	2.19	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	1% Wetter than OMC	1% Wetter than OMC	1% Wetter than OMC	-	-
Moisture Ratio	(%)	107.5	106.5	106.0	-	-
Density Ratio	(%)	**98.5**	**99.0**	**99.5**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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

NATA Accreditation number: 20313

Approved By: M.Eaton
Approved Signatory

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**23**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	2/06/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Allotment Fill - Stage 1	Test Request:	
Lot Number:		ITP/PCP:	-

Sample Information & Location

Sample Number:		**31043**	**31044**	**31045**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		29/05/2025	29/05/2025	29/05/2025	-	-
Time - Field Tested:		14:18	14:29	14:45	-	-
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 22	Lot 16	Lot 1		
Location/Chainage/Easting:	(m)	E:495552.3	E:495520.7	E:495475.6	-	-
Position/Offset/Northing:	(m)	N:6999725.5	N:6999780.7	N:6999789.1	-	-
Level/Layer/R.L.		Lift 1	FSL	FSL	-	-
Layer Depth:	(mm)	300	300	300	-	-
Depth Tested:	(mm)	300	300	300	-	-

Field & Laboratory Results Laboratory testing 30/05/2025

Field Wet Density:	(t/m^3)	1.98	2.15	2.11	-	-
Field Dry Density:	(t/m^3)	1.82	1.93	1.89	-	-
Retained Oversize (Wet basis):	(%)	0% on 19.0mm	0% on 19.0mm	0% on 19.0mm	-	-
Material Description:		Gravelly Clayey Sand	Clayey Sand	Clayey Sand	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	8.7	11.1	11.9	-	-
Adjusted Lab OMC:	(%)	11.7	11.3	13.5	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.08	2.16	2.11	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.09	2.16	2.11	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	3.0% Dryer than OMC	At OMC	1.5% Dryer than OMC	-	-
Moisture Ratio	(%)	74.5	98.0	88.0	-	-
Density Ratio	(%)	**95.0**	**99.5**	**100.0**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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

NATA Accreditation number: 20313

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**36**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	4/08/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Stage 2 Allotment Fill	Test Request:	
Lot Number:		ITP/PCP:	

Sample Information & Location

Sample Number:		**31902**	**31903**	**31904**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		23/07/2025	23/07/2025	23/07/2025	-	-
Time - Field Tested:		8:38	8:45	8:57	-	-
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 57	Lot 58	Lot 61		
Location/Chainage/Easting:	(m)	E:495709.3	E:495696.9	E:495673.9	-	-
Position/Offset/Northing:	(m)	N:6999436.8	N:6999446.8	N:6999445.6	-	-
Level/Layer/R.L.		R.L 17.44	R.L 17.01	R.L 16.81	-	-
Layer Depth:	(mm)	300	300	300	-	-
Depth Tested:	(mm)	300	300	300	-	-

Field & Laboratory Results Laboratory testing 24/07/2025

Field Wet Density:	(t/m^3)	2.18	2.14	2.21	-	-
Field Dry Density:	(t/m^3)	1.96	1.88	1.97	-	-
Retained Oversize (Wet basis):	(%)	1% on 19.0mm	0% on 19.0mm	2% on 19.0mm	-	-
Material Description:		Sandy Clay, Brown	Sandy Clay, Brown	Sandy Clay, Brown	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	11.4	14.2	12.4	-	-
Adjusted Lab OMC:	(%)	11.6	14.2	12.4	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.20	2.14	2.17	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.20	2.14	2.18	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	At OMC	At OMC	At OMC	-	-
Moisture Ratio	(%)	99.0	100.0	99.5	-	-
Density Ratio	(%)	**99.0**	**100.0**	**101.5**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**39**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	4/08/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Allotment Fill Stage 2	Test Request:	
Lot Number:		ITP/PCP:	

Sample Information & Location

Sample Number:		**31940**	**31941**	**31942**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		24/07/2025	24/07/2025	24/07/2025	-	-
Time - Field Tested:		7:45	7:49	7:55	-	-
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 58	Lot 61	Lot 60		
Location/Chainage/Easting:	(m)	E:495704.3	E:495673.6	E:495682.8	-	-
Position/Offset/Northing:	(m)	N:6999437.9	N:6999436.9	N:6999440.4	-	-
Level/Layer/R.L.		R.L 17.8	FSL -0.3m	FSL - 0.4m	-	-
Layer Depth:	(mm)	300	300	300	-	-
Depth Tested:	(mm)	300	300	300	-	-

Field & Laboratory Results — Laboratory testing 31/07/2025 to 01/08/2025

Field Wet Density:	(t/m^3)	2.07	2.10	2.10	-	-
Field Dry Density:	(t/m^3)	1.80	1.86	1.86	-	-
Retained Oversize (Wet basis):	(%)	3% on 19.0mm	0% on 19.0mm	1% on 19.0mm	-	-
Material Description:		-	Sandy Clay, Brown	Sandy Clay, Brown	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	14.6	13.1	13.0	-	-
Adjusted Lab OMC:	(%)	14.7	11.7	11.2	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.12	2.20	2.21	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.13	2.20	2.21	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	At OMC	1.5% Wetter than OMC	2% Wetter than OMC	-	-
Moisture Ratio	(%)	99.5	112.0	115.5	-	-
Density Ratio	(%)	**97.0**	**95.5**	**95.0**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**43**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	7/08/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Stage 2 - Allotment Fill	Test Request:	
Lot Number:		ITP/PCP:	-

Sample Information & Location

Sample Number:		**32061**	**32062**	**32063**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		31/07/2025	31/07/2025	31/07/2025	-	-
Time - Field Tested:		-	-	-	-	-
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Allotment Fill	Allotment Fill	Allotment Fill		
Location/Chainage/Easting:	(m)	E:495702.1	E:495716.8	E:495690.6	-	-
Position/Offset/Northing:	(m)	N:6999439.3	N:6999423.20	N:6999433.1	-	-
Level/Layer/R.L.		0.6m Below FSL	0.3m Below FSL	FSL	-	-
Layer Depth:	(mm)	300	300	300	-	-
Depth Tested:	(mm)	300	300	300	-	-

Field & Laboratory Results Laboratory testing 06/08/2025

Field Wet Density:	(t/m^3)	2.18	2.19	2.17	-	-
Field Dry Density:	(t/m^3)	1.99	2.01	1.99	-	-
Retained Oversize (Wet basis):	(%)	0% on 19.0mm	0% on 19.0mm	0% on 19.0mm	-	-
Material Description:		Sandy Clay, Brown	Sandy Clay, Brown	Sandy Clay, Brown	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	9.6	9.1	9.1	-	-
Adjusted Lab OMC:	(%)	8.2	7.5	8.5	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.24	2.26	2.27	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.24	2.26	2.27	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	1.5% Wetter than OMC	1.5% Wetter than OMC	0.5% Wetter than OMC	-	-
Moisture Ratio	(%)	116.0	120.0	106.5	-	-
Density Ratio	(%)	**97.5**	**96.5**	**96.0**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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

NATA Accreditation number: 20313

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**44**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	12/08/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Stage 2 - Road Fill to Subgrade	Test Request:	-
Lot Number:	-	ITP/PCP:	-

Sample Information & Location

Sample Number:		**32084**	**32085**	**32086**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		1/08/2025	1/08/2025	1/08/2025	-	-
Time - Field Tested:		-	-	-	-	-
Material Source / Type:		Import/Onsite Blend - Select Fill				
Remarks / Notes:						
Control Line:		Road 05	Road 05	Road 05		
Location/Chainage/Easting:	(m)	E:495690.9	E:495656.1	E:495621.6	-	-
Position/Offset/Northing:	(m)	N:6999486.5	N:6999493.3	N:6999505.8	-	-
Level/Layer/R.L.		SG -0.6m	SG -0.4m	SG -0.2m	-	-
Layer Depth:	(mm)	300	300	300	-	-
Depth Tested:	(mm)	300	300	300	-	-

Field & Laboratory Results Laboratory testing 08/08/2025

Field Wet Density:	(t/m^3)	2.18	2.17	2.22	-	-
Field Dry Density:	(t/m^3)	2.01	1.97	2.04	-	-
Retained Oversize (Wet basis):	(%)	19% on 19.0mm	16% on 19.0mm	18% on 19.0mm	-	-
Material Description:		Gravelly Clay, Red Brown	Gravelly Clay, Red Brown	Gravelly Clay, Red Brown	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	8.2	10.3	8.8	-	-
Adjusted Lab OMC:	(%)	10.1	12.5	10.6	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.15	2.18	2.16	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.21	2.23	2.22	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	1.5% Dryer than OMC	2.0% Dryer than OMC	1.5% Dryer than OMC	-	-
Moisture Ratio	(%)	81.5	82.5	82.5	-	-
Density Ratio	(%)	**98.5**	**97.5**	**100.0**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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

NATA Accreditation number: 20313

Approved By: M.Eaton
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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**64**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	6/09/2025
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Allotment Fill Stage 2	Test Request:	
Lot Number:		ITP/PCP:	

Sample Information & Location

Sample Number:		**32507**	**32508**	**32509**	**-**	**-**
Field Test Number:		1	2	3	-	-
Date - Field Tested:		27/08/2025	27/08/2025	27/08/2025	-	-
Time - Field Tested:		10:02	10:10	10:15	-	-
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Embankment	Embankment	Lot 57		
Location/Chainage/Easting:	(m)	E:495725.6	E:495727.4	E:495720.7	-	-
Position/Offset/Northing:	(m)	N:6999451.1	N:6999427.4	N:6999431.4	-	-
Level/Layer/R.L.		R.L 17.2	R.L 17.40	R.L 18.69	-	-
Layer Depth:	(mm)	300	300	300	-	-
Depth Tested:	(mm)	300	300	300	-	-

Field & Laboratory Results Laboratory testing 02/09/2025

Field Wet Density:	(t/m^3)	2.23	2.14	2.14	-	-
Field Dry Density:	(t/m^3)	1.99	1.93	1.92	-	-
Retained Oversize (Wet basis):	(%)	0% on 19.0mm	0% on 19.0mm	0% on 19.0mm	-	-
Material Description:		Clayey Sand, Brown	Clayey Sand, Brown	Clayey Sand, Brown	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	AS1289.2.1.1 - Oven	-	-
Field Moisture Content:	(%)	12.1	11.0	11.4	-	-
Adjusted Lab OMC:	(%)	10.5	9.6	10.7	-	-
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.19	2.25	2.23	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.19	2.25	2.23	-	-
Compactive Effort:		**Standard**	**Standard**	**Standard**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	1.5% Wetter than OMC	1.5% Wetter than OMC	0.5% Wetter than OMC	-	-
Moisture Ratio	(%)	115.0	114.5	106.5	-	-
Density Ratio	(%)	**101.5**	**95.5**	**95.5**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling)

Remarks Regarding the Lot.

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

NATA Accreditation number: 20313

Approved By: M.Eaton
Approved Signatory

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**101**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	16/02/2026
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Allotment Fill - Stage 2	Test Request:	
Lot Number:		ITP/PCP:	-

Sample Information & Location

Sample Number:		**35058**	**35059**	**35060**	**35061**	**35062**
Field Test Number:		1	2	3	4	5
Date - Field Tested:		6/02/2026	6/02/2026	6/02/2026	6/02/2026	6/02/2026
Time - Field Tested:		15:50	15:55	16:00	16:10	16:15
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 67	Lot 66	Lot 64	Lot 43	Lot 42
Location/Chainage/Easting:	(m)	E:495699	E:495685	E:495665	E:495619	E:495618
Position/Offset/Northing:	(m)	N:6999456	N:6999464	N:6999461	N:6999465	N:6999485
Level/Layer/R.L.		R.L 17.7	R.L 17.6	R.L 17.45	R.L 17.20	R.L 17.15
Layer Depth:	(mm)	300	300	300	300	300
Depth Tested:	(mm)	300	300	300	300	300

Field & Laboratory Results

Laboratory testing 10/02/2026

Field Wet Density:	(t/m^3)	2.16	2.09	2.13	2.10	2.16
Field Dry Density:	(t/m^3)	1.98	1.90	1.96	1.85	1.91
Retained Oversize (Wet basis):	(%)	0% on 19.0mm	0% on 19.0mm	0% on 19.0mm	0% on 19.0mm	0% on 19.0mm
Material Description:		Clayey Sand, Brown	Clayey Sand, Brown	Clayey Sand, Brown	Clayey Sand, Brown	Clayey Sand, Brown
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:	(%)	9.3	10.2	8.6	13.4	13.0
Adjusted Lab OMC:	(%)	11.9	11.8	10.1	15.4	15.6
Fraction Tested:		Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm	Passing 19.0mm
Lab Max Converted Wet Density:	(t/m^3)	2.22	2.18	2.17	2.20	2.22
Adjusted Lab Max CWD:	(t/m^3)	2.22	2.18	2.17	2.20	2.22
Compactive Effort:		**Standard**	**Standard**	**Standard**	**Standard**	**Standard**

Relative Compaction & Moisture

Moisture Variation	(%)	2.5% Dryer than OMC	1.5% Dryer than OMC	1.5% Dryer than OMC	2% Dryer than OMC	2.5% Dryer than OMC
Moisture Ratio	(%)	78.5	87.0	85.5	87.0	83.5
Density Ratio	(%)	**97.5**	**95.5**	**98.5**	**95.5**	**97.0**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	*95*	**96.0**	6	96.90	1.17	0.828
Maximum (%)		**-**	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		**-**	-	-	-	-
Maximum (%)		**-**	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling), Q020-Jan 2024 (Characteristic Value of a Lot)

Remarks Regarding the Lot.

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

NATA Accreditation number: 20313

Approved By: M.Eaton
Approved Signatory

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Compaction Control Test Report (Nuclear Gauge & Hilf)

Client:	See Civil Pty Ltd	Report No:	**101**
Client Address:	108 Siganto Drive,Helensvale QLD 4210	Report Date:	16/02/2026
Project:	14 Clark Road & 23-27 Anderson Road, Morayfield	Project No:	908
Component:	Allotment Fill - Stage 2	Test Request:	
Lot Number:		ITP/PCP:	-

Sample Information & Location

Sample Number:		**35063**	**-**	**-**	**-**	**-**
Field Test Number:		6	-	-	-	-
Date - Field Tested:		6/02/2026	-	-	-	-
Time - Field Tested:		16:20	-	-	-	-
Material Source / Type:		Onsite - Allotment Fill				
Remarks / Notes:						
Control Line:		Lot 41	-	-	-	-
Location/Chainage/Easting:	(m)	E:495606	-	-	-	-
Position/Offset/Northing:	(m)	N:6999480	-	-	-	-
Level/Layer/R.L.		R.L 17.2	-	-	-	-
Layer Depth:	(mm)	300	-	-	-	-
Depth Tested:	(mm)	300	-	-	-	-

Field & Laboratory Results

Laboratory testing 10/02/2026

Field Wet Density:	(t/m^3)	2.15	-	-	-	-
Field Dry Density:	(t/m^3)	1.96	-	-	-	-
Retained Oversize (Wet basis):	(%)	0% on 19.0mm	-	-	-	-
Material Description:		Clayey Sand, Brown	-	-	-	-
Moisture Content Method:		AS1289.2.1.1 - Oven	-	-	-	-
Field Moisture Content:	(%)	9.6	-	-	-	-
Adjusted Lab OMC:	(%)	10.5	-	-	-	-
Fraction Tested:		Passing 19.0mm	-	-	-	-
Lab Max Converted Wet Density:	(t/m^3)	2.21	-	-	-	-
Adjusted Lab Max CWD:	(t/m^3)	2.21	-	-	-	-
Compactive Effort:		**Standard**	**-**	**-**	**-**	**-**

Relative Compaction & Moisture

Moisture Variation	(%)	1% Dryer than OMC	-	-	-	-
Moisture Ratio	(%)	91.0	-	-	-	-
Density Ratio	(%)	**97.5**	**-**	**-**	**-**	**-**

Specified Density Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)	*95*	**96.0**	6	96.90	1.17	0.828
Maximum (%)		-	-	-	-	-
Specified Moisture Ratio		Characteristic Value	Number of Tests	Mean	Standard Deviation	Constant k
Minimum (%)		-	-	-	-	-
Maximum (%)		-	-	-	-	-

Test Methods Used.

AS1289.1.1-2001 (Prep), AS1289.5.4.1-2007 (Density Ratio, Moisture Variation & Ratio), AS1289.5.7.1-2006 (Hilf Density/Moisture Ratio (Rapid Method)), AS1289.5.8.1-2007 (Nuclear Gauge, Direct Transmission), , AS 1289.1.2.1, Cl 6.4(b) - (Disturbed Sampling), Q020-Jan 2024 (Characteristic Value of a Lot)

Remarks Regarding the Lot.

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