LEVEL ONE EARTHWORKS REPORT

Proposed Residential Development
Montview Estate Package 1
South Ripley

NOVEMBER 2 2023

Winslow Pty Ltd
Authored by: QUALTEST LABORATORY PTY LTD
REF: 4690

Qualtest Laboratory
Est. 1987

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Ref: 4690
Job: 23-241
Author: R. Mitchell

2nd November 2023

Winslow
Building 4, G1
107 Miles Platting Road,
Eight Mile Plains Qld 4113

ATTENTION: **MR JAMES MARTIN**
Email: james.martin@winslow.com.au

Dear Sir,

RE: **LEVEL ONE EARTHWORKS REPORT**

PROJECT: **PROPOSED RESIDENTIAL DEVELOPMENT**
MONTVIEW ESTATE PACKAGE 1
SOUTH RIPLEY

CLIENT: **WINSLOW**

CONSULTANT: **ARCADIS**

CONTRACTOR: **WINSLOW**

Revision	Date	Author	Reviewer	Description
0	02/11/23	R. Mitchel	M. Morrison	For review / Issue to Client

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ABN 74 010 752 815

1.0 INTRODUCTION

1.1 General

This report presents results and documentation for the Level One Inspection and Testing of earthworks filling operations at the Proposed Residential Development, Montview Estate Package 1, South Ripley (The Site).

Qualtest Laboratory Pty Ltd was commissioned by Winslow (The Client) to provide Level 1 Earthworks Inspection and Testing services as defined in Section 8 of AS3798.

Filling operations covered by this report were constructed between 31st July 2023 and 12th September 2023.

The purpose of Level 1 commission and this report is to provide an opinion that the earthworks operations carried out by the Client have been carried out in accordance with AS3798, relevant project specifications and Local Authority requirements as appropriate.

This report has been carried out in general accordance with the following: -

- AS3798-2007 - Guidelines on Earthwork for Commercial and Residential Development
- Arcadis Engineers Drawings and Notes on drawings.
- Ipswich City Council Requirements

This report does not cover underground services, trench backfill, pavements, retaining walls, filling outside areas shown on Figure 2 or any other works after 12th September 2023.

1.2 The Development

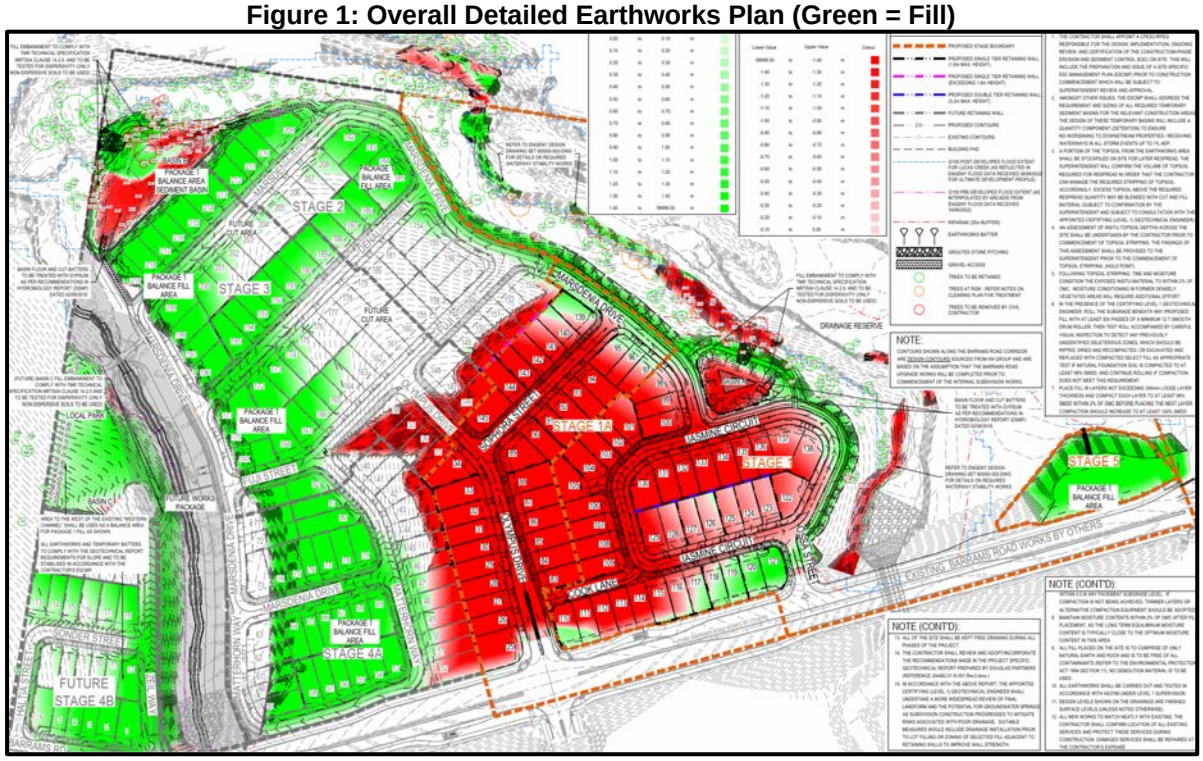
The development comprises of a residential subdivision with associated infrastructure and underground services.

Earthworks to be constructed at the site is presented on Arcadis drawings, Overall Detailed Earthworks Plan, Project No. 30077952, Drawing No. 0100, Issue A reproduced below as Figure 1 below. These plans are considered to be reasonable indication of the actual fill constructed during our involvement with the following variations: -

- Filling on lots 110 and 111 is limited to topsoil respread only.

The approximate extent of the fill covered by this report is presented as green shading on the earthworks plans below as Figure 1.

Figure 1: Overall Detailed Earthworks Plan (Green = Fill)



2.0 WORKS AND SPECIFICATIONS

All filling operations at the Site are to be placed and compacted in accordance with the following: -

- AS3798 – Type 1 Earthworks Operations.
- Ipswich City Council Specifications.
- Density Ratio – 98% Standard.

3.0 FILL FOUNDATION

Areas to be filled at the site were observed to be stripped of existing fill, vegetation, grass, redundant services, water affected ground, uncontrolled fill and topsoil to depths exposing competent natural ground.

Existing gullies were cleaned to remove all loose soils from the sides and all sediment in the gully bases was removed. Benches were formed in the sides of the gullies at regular vertical intervals.

Compliance of the fill foundation and approval to commence filling was on the basis of: -

- Complete removal of existing fill.
- Adequate removal of topsoil and organics.
- Adequate removal of redundant service trenches.
- Compliant proof roll testing of the stripped surface using onsite heavy earthworks plant.

A picture of the stripped natural surface prior to filling is presented below.

Picture 1: View of the Stripping Operations

4.0 FILLING OPERATIONS

Fill at the site was sourced from onsite cuts and can be broadly summarised as: -

- Onsite – Sandy Clay (CL - CI), low to medium plasticity fines, fine to medium sand, brown, grey brown and moist.

Fill was constructed using the following plant: -

- Dozers
- Grader
- Water Truck
- Scrapers
- Excavator
- Pad Foot Roller
- Articulated Dump Trucks
- Compactor

Fill was observed to be placed in layers within the capacity of the above plant, appropriately moisture conditioned and compacted using several passes.

To the extent that was reasonably practicable, fill materials visibly containing excessive amounts of silts or deleterious materials such as sticks, oversize particles were sorted to remove the contaminants prior to placement, or rejected for use. Some cobble sized particles may remain in the body of the fill, however, are unlikely to be in sufficient quantities to adversely affect the performance of the new fill.

Sloping areas requiring filling were benched and continually keyed into the slope prior to and during fill placement.

A picture of the filling operations is presented below.

Picture 2: View of Filling Operations

5.0 COMPACTION TESTING

Compaction testing was carried out on the compacted fill materials in accordance with Table 5.1 and 8.1 of AS3798 2007 and tested to AS1289 test methods. All test locations were selected by Qualtest at random and staggered over the fill area and depth. Test locations were not obtained by survey and on this basis, the locations should be considered as approximate only.

Compaction testing achieved the minimum required compaction specification of 98% Standard at the test locations. Areas where the compaction specification was not achieved were reworked and re-tested using random stratified location processes.

The location of the compaction tests and area of fill covered under this report are shown on the Site Plan contained in Appendix A. Compaction test reports are contained in Appendix B.

6.0 STATEMENT OF COMPLIANCE

Our representatives observed the relevant earthworks operations during our engagement including the stripped surface, new fill placement and compaction operations, and compaction testing.

As far as Qualtest could assess, the fill at The Site has been observed to be placed and compacted in accordance with the requirements outlined in Section 2.0.

The fill at The Site can be considered to be “Controlled” as defined in AS2870.

7.0 EXCLUSIONS

The compliance statement specifically excludes any topsoil, which may be placed for use as Lot dressing or any other subsequent earthworks after 12th September 2023. All trench backfill, landscaping fill, fill outside the area shown as Figure 1 and other fill placed without our knowledge is also excluded.

Assessments of batter stability, global stability, and material quality such as soaked CBR and site classifications are excluded from this commission. The stability of any fill batters in the long term must take account of the variable materials used for the construction of the fill platforms and all surface loads including traffic loads near the crest of all batters.

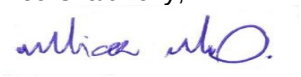
Our on-site attendance specifically excludes assessments of fill material quality and engineering properties that are outside the requirements of AS3798 - 2007, including soil or fill reactivity and soaked CBR values. We note that the fill materials comprise clay soils, which may result in unfavourable site classifications for individual lots and low subgrade design strengths for pavements.

Footings and ground slabs for any structures constructed over natural soils or controlled fill should be designed to accommodate the characteristic ground surface movements and settlement potential. Assessments of these design parameters are beyond the scope of this Report.

Controlled fill (Level 1 Fill) provides an overview that the Earthwork Specification has been met. There are instances where significant long-term settlements of controlled fill can occur. Large total and differential settlements can be expected where fill has been placed over soft and compressible soils and where the thickness of controlled fill varies significantly across a lot.

Should you require further information regarding the above please do not hesitate to contact this office.

Yours faithfully,



MICHAEL MORRISON
For and on behalf of
QUALTEST LABORATORY PTY LTD.

Appendix A *– Site Plan and Compaction Test Locations*

Appendix B *– Compaction Test Reports*

APPENDIX A

Site Plan and Compaction Test Locations

Qualtest Laboratory
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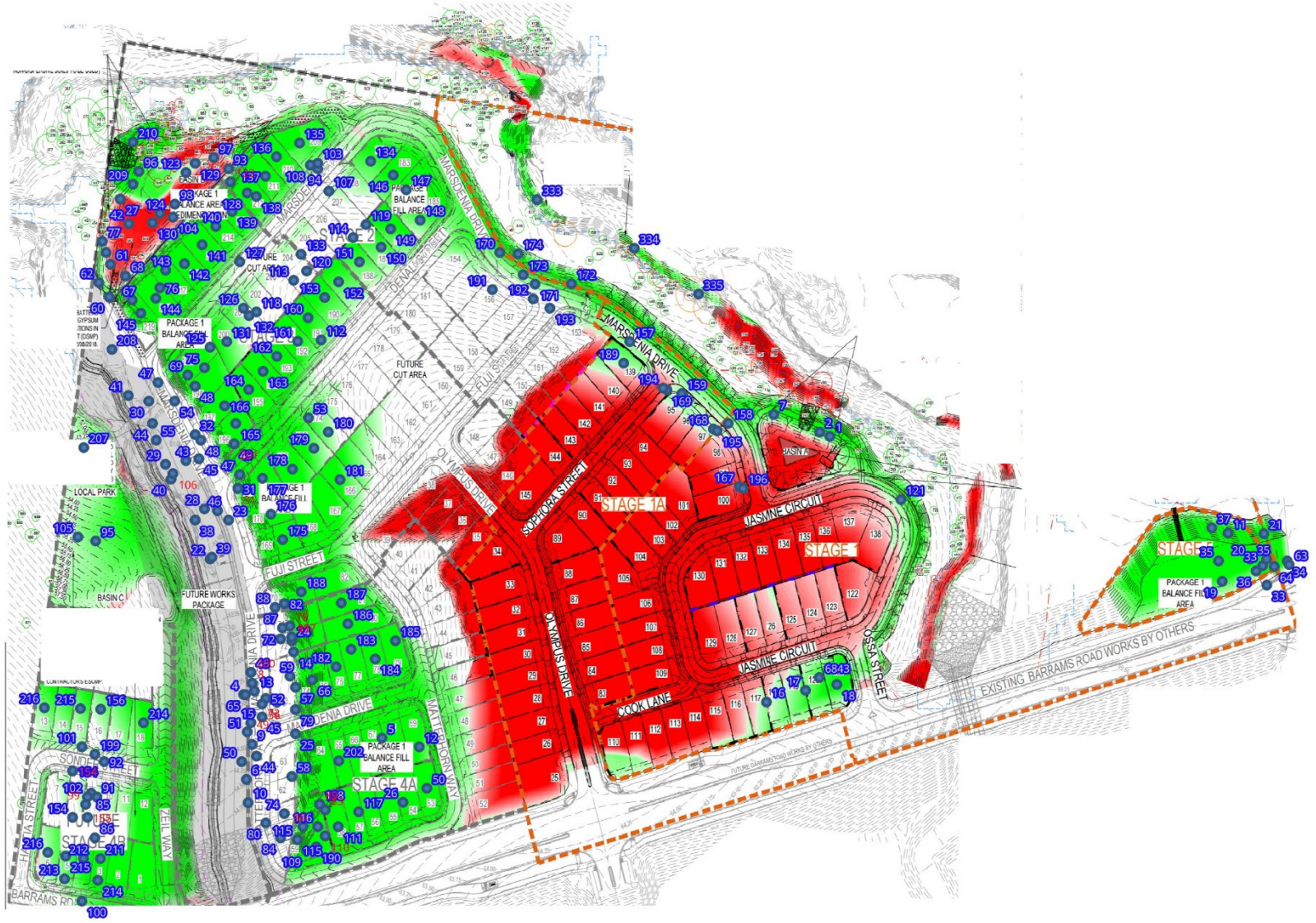

LEGEND:

Test Locations

CLIENT: WINSLOW	**TITLE: APPROXIMATE FIELD DENSITY TEST LOCATIONS**
LOCATION: MONTVIEW ESTATE PACKAGE 1	

DRAWING NO: 23-241-01	
DATE: 2nd November 2023	
PROJECT NO: 23-241	
CHECKED BY: GG	

APPENDIX B

COMPACTION TEST REPORTS

Qualtest Laboratory
Est. 1987

Material Test Report

Report Number: **23-241-2**
Issue Number: 1
Date Issued: 10/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6828
Date Sampled: 01/08/2023 7:00
Dates Tested: 01/08/2023 - 04/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate Stages 1 and 1A
Material: General Fill
Material Source: On Site

Qualtest Laboratory Pty Ltd
Brisbane Laboratory
2 / 40 Boyland Ave Cooper Plains QLD 4108
Phone: 0417 011 515
Email: rhys@qualtestgeo.com

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S6828A	S6828B	
Test Number	1	2	
Date Tested	01/08/2023	01/08/2023	
Time Tested	10:00	13:10	
Test Request #/Location	Basin A Wall	Basin A Wall	
Easting	13264.72	13259.29	
Northing	36643.03	36645.33	
Elevation (m)	RL: 56.1	RL: 56.8	
Thickness of Layer (mm)	175	175	
Soil Description	Sandy CLAY	Sandy CLAY	
Test Depth (mm)	150	150	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	5	
Field Wet Density (FWD) t/m^3	2.25	2.08	
Field Moisture Content %	9.8	9.4	
Field Dry Density (FDD) t/m^3	2.05	1.91	
Peak Converted Wet Density t/m^3	2.23	**	
Adjusted Peak Converted Wet Density t/m^3	**	2.12	
Moisture Variation (Wv) %	0.5	**	
Adjusted Moisture Variation %	**	2.0	
Hilf Density Ratio (%)	**101.0**	**98.0**	
Compaction Method	**Standard**	**Standard**	
Report Remarks	**	**	

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-3**
Issue Number: 1
Date Issued: 16/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6843
Date Sampled: 02/08/2023 7:00
Dates Tested: 02/08/2023 - 04/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Location: Montview Stages 1 and 1A
Material: General Fill
Material Source: On Site

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Email: greg@qualtestgeo.com

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Approved Signatory: Greg Gibson
ql-greg
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S6843A		
Test Number	3		
Date Tested	02/08/2023		
Time Tested	07:20		
Test Request #/Location	Common Boundary Lots 120/121		
Easting	13259.01		
Northing	36513.25		
Elevation (m)	RL: 60.7		
Thickness of Layer (mm)	175		
Soil Description	On Site		
Test Depth (mm)	150		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) t/m^3	1.97		
Field Moisture Content %	11.2		
Field Dry Density (FDD) t/m^3	1.77		
Peak Converted Wet Density t/m^3	1.96		
Adjusted Peak Converted Wet Density t/m^3	**		
Moisture Variation (Wv) %	0.5		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	**100.5**		
Compaction Method	**Standard**		
Report Remarks	**		

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-4**
Issue Number: 1
Date Issued: 22/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6873
Date Sampled: 03/08/2023
Dates Tested: 03/08/2023 - 22/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

Qualtest Laboratory Pty Ltd
Brisbane Laboratory
2 / 40 Boyland Ave Cooper Plains QLD 4108
Phone: 0417 011 515
Email: rhys@qualtestgeo.com
Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S6873A	S6873B	S6873C
Test Number	4	5	6
Date Tested	03/08/2023	03/08/2023	03/08/2023
Time Tested	10:02	10:26	10:45
Test Request #/Location	Package 1 Balance Fill Area Stage 4A	Package 1 Balance Fill Area Stage 4A	Package 1 Balance Fill Area Stage 4A
Easting	12949.090	12953.203	12950.551
Northing	36504.103	36481.128	36458.410
Elevation (m)	55.712	56.101	56.484
Thickness of Layer (mm)	175	175	175
Soil Description	Weathered SANDSTONE	Weathered SANDSTONE	Weathered SANDSTONE
Test Depth (mm)	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.04	2.07	2.05
Field Moisture Content %	14.1	148.5	11.3
Field Dry Density (FDD) t/m^3	1.79	0.83	1.84
Peak Converted Wet Density t/m^3	2.06	1.99	2.08
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.0	-1.5	2.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**99.0**	**104.0**	**98.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-5**
Issue Number: 1
Date Issued: 23/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6985
Date Sampled: 11/08/2023
Dates Tested: 11/08/2023 - 23/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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2 / 40 Boyland Ave Cooper Plains QLD 4108
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Email: rhys@qualtestgeo.com

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S6985A	S6985B	S6985C	S6985D
Test Number	58	59	60	61
Date Tested	11/08/2023	11/08/2023	11/08/2023	11/08/2023
Time Tested	08:04	09:57	10:14	10:31
Test Request #/Location	Package 1 Balance Fill Area 4A	Package 1 Balance Fill Area 4A	Package 1 Balance Fill Area 4A	Package 1 Balance Fill Area 4A
Easting	12918.032	12900.748	12925.790	12935.884
Northing	36630.771	36650.034	36631.663	36603.852
Elevation (m)	54.715	54.072	55.204	55.881
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	175	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.11	2.12	2.12	2.12
Field Moisture Content %	11.9	12.3	12.8	13.5
Field Dry Density (FDD) t/m^3	1.88	1.89	1.88	1.87
Peak Converted Wet Density t/m^3	2.14	2.16	2.13	2.14
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	0.0	0.5	-0.5	0.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**98.5**	**98.0**	**99.5**	**99.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-5**
Issue Number: 1
Date Issued: 23/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6985
Date Sampled: 11/08/2023
Dates Tested: 11/08/2023 - 23/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

Qualtest Laboratory Pty Ltd
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Phone: 0417 011 515
Email: rhys@qualtestgeo.com

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S6985E	S6985F	S6985G	S6985H
Test Number	62	63	64	65
Date Tested	11/08/2023	11/08/2023	11/08/2023	11/08/2023
Time Tested	11:46	12:52	13:08	13:26
Test Request #/Location	Package 1 Balance Fill Area 4A	Package 1 Balance Fill Area 4A	Package 1 Balance Fill Area 4A	Package 1 Balance Fill Area 4A
Easting	12947.192	12926.295	12953.755	12955.480
Northing	36622.451	36641.689	36494.503	36456.470
Elevation (m)	56.584	55.349	57.451	58.534
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	175	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.13	2.12	2.12	2.13
Field Moisture Content %	13.4	13.9	14.3	13.4
Field Dry Density (FDD) t/m^3	1.87	1.86	1.85	1.88
Peak Converted Wet Density t/m^3	2.14	2.12	2.13	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-2.5	-0.5	-2.0	-1.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**100.0**	**99.5**	**98.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-6**
Issue Number: 1
Date Issued: 24/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6895
Date Sampled: 05/08/2023
Dates Tested: 05/08/2023 - 24/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, St Ripley
Material: General Fill
Material Source: Cut From Onsite

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Phone: 0417 011 515
Email: rhys@qualtestgeo.com

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S6895A		
Test Number	7		
Date Tested	04/08/2023		
Time Tested	07:23		
Test Request #/Location	Basin A		
Easting	13234.536		
Northing	36654.849		
Elevation (m)	57.395		
Layer / Reduced Level	Finish Level		
Thickness of Layer (mm)	175		
Soil Description	Silty SAND with CLAY Traces		
Test Depth (mm)	150		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) t/m^3	2.12		
Field Moisture Content %	12.3		
Field Dry Density (FDD) t/m^3	1.89		
Peak Converted Wet Density t/m^3	2.13		
Adjusted Peak Converted Wet Density t/m^3	**		
Moisture Variation (Wv) %	1.0		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	**99.5**		
Compaction Method	**Standard**		
Report Remarks	**		

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-7**
Issue Number: 1
Date Issued: 24/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6901
Date Sampled: 04/08/2023
Dates Tested: 04/08/2023 - 24/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Email: greg@qualtestgeo.com

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Greg Gibson
ql-greg
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S6901A	S6901B	S6901C
Test Number	8	9	10
Date Tested	04/08/2023	04/08/2023	04/08/2023
Time Tested	10:12	10:28	10:42
Test Request #/Location	BALANCE FILL AREA PAGAGE 1 Stage 4 A	BALANCE FILL AREA PAGAGE 1 Stage 4 A	BALANCE FILL AREA PAGAGE 1 Stage 4 A
Easting	12953676	12953.718	12951.5
Northing	36510.194	36477.245	36445.904
Elevation (m)	56.460	56.993	57.406
Layer / Reduced Level	3.0m Below Finish Level	2.870m Below Finish Level	2.480m Below Finish Level
Thickness of Layer (mm)	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.13	2.11	2.13
Field Moisture Content %	15.2	10.8	13.3
Field Dry Density (FDD) t/m^3	1.85	1.91	1.88
Peak Converted Wet Density t/m^3	2.15	2.12	2.11
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	-1.0	2.0	-1.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**99.0**	**99.5**	**100.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-8**
Issue Number: 1
Date Issued: 25/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6923
Date Sampled: 08/08/2023
Dates Tested: 08/08/2023 - 24/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

Qualtest Laboratory Pty Ltd
Brisbane Laboratory
2 / 40 Boyland Ave Cooper Plains QLD 4108
Phone: 0417 011 515
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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S6923A	S6923B	S6923C	S6923D
Test Number	16	17	18	19
Date Tested	07/08/2023	07/08/2023	07/08/2023	07/08/2023
Time Tested	09:22	09:43	10:08	10:22
Test Request #/Location	Stage 5 Service Station Area	Stage 4A	Stage 4A	Stage 4A
Easting	13m From Northern Boundary of Pad	12952.419	12954.987	12976.098
Northing	7m From Eastern Boundary of Pad	36459.284	36506.876	36527.756
Elevation (m)	**	57.417	56.911	57.752
Layer / Reduced Level	2.0m Below Finish Level	2.6m Below Finish Level	3.2m Below Finish Level	3.1m Below Finish Lebel
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.15	2.15	2.15	2.13
Field Moisture Content %	11.1	11.7	11.3	11.3
Field Dry Density (FDD) t/m^3	1.93	1.93	1.93	1.92
Peak Converted Wet Density t/m^3	2.16	2.10	2.11	2.11
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-2.0	1.5	1.5	1.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**102.0**	**102.0**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-8**
Issue Number: 1
Date Issued: 25/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6923
Date Sampled: 08/08/2023
Dates Tested: 08/08/2023 - 24/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S6923E	S6923F	S6923G	S6923H
Test Number	20	21	22	23
Date Tested	07/08/2023	07/08/2023	07/08/2023	07/08/2023
Time Tested	13:05	13:29	13:35	13:40
Test Request #/Location	Stage 4A	Lots 117/118	Lots 119/120	Lot 121
Easting	12953.237	Boundary of Lots	Boundary of Lots	Centre of Lot
Northing	36489.773	5m From Front Boundary	7m From Front Boundary	Centre of Lot
Elevation (m)	56.990	**	**	**
Layer / Reduced Level	2.3m Below Finish Level	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.13	2.15	2.15	2.15
Field Moisture Content %	13.2	13.4	13.3	13.9
Field Dry Density (FDD) t/m^3	1.88	1.89	1.90	1.88
Peak Converted Wet Density t/m^3	2.15	2.18	2.17	2.18
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-0.5	2.0	0.0	-0.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**99.0**	**98.5**	**99.5**	**98.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-9**
Issue Number: 1
Date Issued: 28/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6964
Date Sampled: 10/08/2023
Dates Tested: 10/08/2023 - 24/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S6964A	S6964B	S6964C	S6964D
Test Number	42	43	44	45
Date Tested	09/08/2023	09/08/2023	09/08/2023	09/08/2023
Time Tested	10:06	10:19	10:34	13:07
Test Request #/Location	Stage 4A	Stage 4A	Stage 4A	Stage 4A
Easting	12928.095	12907.561	12898.028	12946.763
Northing	36604.742	36628.999	36662.474	36615.676
Elevation (m)	54.771	53.077	53.000	56.016
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.09	2.09	2.10	2.10
Field Moisture Content %	16.4	12.7	12.4	13.1
Field Dry Density (FDD) t/m^3	1.80	1.86	1.86	1.86
Peak Converted Wet Density t/m^3	2.11	2.13	2.14	2.09
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	0.0	0.5	0.0	1.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**98.0**	**98.0**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-9**
Issue Number: 1
Date Issued: 28/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Work Request: 6964
Date Sampled: 10/08/2023
Dates Tested: 10/08/2023 - 24/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S6964E	S6964F	S6964G	S6964H
Test Number	46	47	48	49
Date Tested	09/08/2023	09/08/2023	09/08/2023	09/08/2023
Time Tested	13:22	09:16	10:46	11:40
Test Request #/Location	Stage 4A	Stage 5 Service Station	Stage 5 Service Station	Stage 5 Service Station
Easting	12923.354	13500.138	13511.185	13474.972
Northing	36644.020	36563.368	36578.155	36576.884
Elevation (m)	54.559	57.497	57.882	58.228
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.11	2.05	2.06	2.07
Field Moisture Content %	12.8	13.9	12.9	12.1
Field Dry Density (FDD) t/m^3	1.87	1.80	1.83	1.84
Peak Converted Wet Density t/m^3	2.12	2.08	2.10	2.08
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-0.5	0.5	2.0	2.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**99.0**	**98.0**	**99.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-10
Issue Number: 1
Date Issued: 28/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 6935
Date Sampled: 08/08/2023
Dates Tested: 08/08/2023 - 24/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Email: rhys@qualtestgeo.com

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	S6935A	S6935B	S6935C	S6935D	S6935E
Test Number	24	25	26	27	28
Date Tested	08/08/2023	08/08/2023	08/08/2023	08/08/2023	08/08/2023
Time Tested	07:29	07:56	10:14	10:36	10:52
Test Request #/Location	Stage 5 Service Station Area	Stage 5 Service Station Area	Stage 5 Service Station Area	Stage 4A	Stage 4A
Easting	13476.850	13491.671	13519.032	12931.108	12941.152
Northing	36565.846	36577.455	36580.594	36577.721	36598.211
Elevation (m)	56.623	57.097	56.938	54.908	55.517
Thickness of Layer (mm)	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.09	2.08	2.10	2.08	2.08
Field Moisture Content %	14.0	12.2	13.5	11.8	14.5
Field Dry Density (FDD) t/m^3	1.83	1.86	1.85	1.86	1.82
Peak Converted Wet Density t/m^3	2.10	2.10	2.10	2.08	2.09
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	-0.5	0.0	1.5	0.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**99.0**	**100.0**	**100.0**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-10
Issue Number: 1
Date Issued: 28/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 6935
Date Sampled: 08/08/2023
Dates Tested: 08/08/2023 - 24/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

Qualtest Laboratory Pty Ltd
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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	S6935F	S6935G	S6935H	S6935R	
Test Number	29	30	31	41	
Date Tested	08/08/2023	08/08/2023	08/08/2023	08/08/2023	
Time Tested	13:08	13:26	13:42	14:04	
Test Request #/Location	Stage 4A	Stage 4A	Stage 4A	Basin B Wall	
Easting	12975.278	12977.473	12976.491	12831.581	
Northing	36533.032	36483.281	36433.608	36789.292	
Elevation (m)	57.854	58.334	59.212	49.960	
Thickness of Layer (mm)	175	175	175	175	
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	
Test Depth (mm)	150	150	150	150	
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	0	0	
Field Wet Density (FWD) t/m^3	2.08	2.07	2.08	2.05	
Field Moisture Content %	12.0	13.7	14.3	15.4	
Field Dry Density (FDD) t/m^3	1.86	1.82	1.82	1.77	
Peak Converted Wet Density t/m^3	2.09	2.09	2.08	2.07	
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	
Moisture Variation (Wv) %	0.0	1.0	0.0	0.0	
Adjusted Moisture Variation %	**	**	**	**	
Hilf Density Ratio (%)	**99.5**	**99.0**	**100.0**	**99.0**	
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	
Report Remarks	**	**	**	**	

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

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Approved Signatory: Greg Gibson
ql-greg

NATA Accredited Laboratory Number: 2316

Report Number: **23-241-11**
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 6971
Date Sampled: 10/08/2023
Dates Tested: 10/08/2023 - 23/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S6971A	S6971B	S6971C	S6971D
Test Number	50	51	52	53
Date Tested	10/08/2023	10/08/2023	10/08/2023	10/08/2023
Time Tested	09:57	10:14	10:29	13:02
Test Request #/Location	Stage 5 Service Station Area	Stage 5 Service Station Area	Stage 5 Service Station Area	Stage 4 A
Easting	13499887	13523.326	13487.535	12923.898
Northing	36577.549	36573.360	36564.655	36598.948
Elevation (m)	58.138	58.542	58.970	54.967
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.12	2.14	2.15
Field Moisture Content %	13.2	14.7	11.5	11.5
Field Dry Density (FDD) t/m^3	1.89	1.85	1.92	1.93
Peak Converted Wet Density t/m^3	2.14	2.16	2.12	2.09
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-0.5	-1.0	1.5	1.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**100.0**	**98.0**	**101.0**	**102.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-11**
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 6971
Date Sampled: 10/08/2023
Dates Tested: 10/08/2023 - 23/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S6971E	S6971F	S6971G	S6971H
Test Number	54	55	56	57
Date Tested	10/08/2023	10/08/2023	10/08/2023	10/08/2023
Time Tested	13:21	13:34	13:52	14:07
Test Request #/Location	Stage 4A	Stage 4A	Stage 4A	Basin B Wall
Easting	12932.124	12910.511	12887.458	12820.520
Northing	36578.443	36620.327	36665.988	36756.206
Elevation (m)	55.404	53.804	52.656	51.262
Thickness of Layer (mm)	175	175	**	**
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	**	**
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.15	2.12	2.14
Field Moisture Content %	11.1	10.5	11.1	10.2
Field Dry Density (FDD) t/m^3	1.93	1.95	1.91	1.94
Peak Converted Wet Density t/m^3	2.12	2.12	2.14	2.10
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	0.0	2.0	1.0	2.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**101.0**	**101.5**	**99.0**	**101.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-12
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7062
Date Sampled: 18/08/2023
Dates Tested: 18/08/2023 - 28/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

Qualtest Laboratory Pty Ltd
Brisbane Laboratory
2 / 40 Boyland Ave Cooper Plains QLD 4108
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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7062A	S7062B	S7062C	S7062D	S7062E	S7062F
Test Number	87	88	89	90	91	92
Date Tested	19/08/2023	19/08/2023	19/08/2023	19/08/2023	19/08/2023	19/08/2023
Time Tested	09:57	10:13	10:28	10:43	11:00	11:18
Test Request #/Location	Stage 4A	Stage 4A	Stage 4A	Stage 4A	Stage 4B	Stage 4B
Easting	12975.976	12971.711	12993.719	12969.568	12867.329	12869.326
Northing	36535.851	36553.492	36442.050	36427.440	36451.728	36472.719
Elevation (m)	58:802	58.167	61.431	61.008	55.216	54.987
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.16	2.15	2.16	2.14	2.14
Field Moisture Content %	12.3	11.9	13.7	13.0	14.3	11.4
Field Dry Density (FDD) t/m^3	1.90	1.93	1.89	1.91	1.87	1.92
Peak Converted Wet Density t/m^3	2.11	2.14	2.14	2.17	2.16	2.12
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	0.0	3.0	0.5	0.5	0.5	2.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**101.5**	**100.5**	**100.0**	**99.5**	**99.0**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-12
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7062
Date Sampled: 18/08/2023
Dates Tested: 18/08/2023 - 28/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7062G	S7062H	S7062I	S7062J	S7062K	S7062L
Test Number	138	139	140	141	142	143
Date Tested	19/08/2023	19/08/2023	19/08/2023	19/08/2023	19/08/2023	19/08/2023
Time Tested	11:36	12:28	12:44	13:02	13:18	13:35
Test Request #/Location	Stage 4A	Stage 4A	Stage 4A	Stage 4A	Stage 4B	Stage 4B
Easting	12970.342	12966.476	12990.453	12981.638	12870.225	12874.498
Northing	36540.213	36551.657	36445.768	36433.287	36449.987	36468.987
Elevation (m)	59.497	58.880	61.512	61.997	55.543	,55.897
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.15	2.12	2.15	2.15	2.12
Field Moisture Content %	11.6	11.6	12.9	13.0	13.4	13.4
Field Dry Density (FDD) t/m^3	1.91	1.93	1.88	1.90	1.90	1.87
Peak Converted Wet Density t/m^3	2.11	2.13	2.14	2.17	2.17	2.14
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	1.5	3.0	0.5	1.0	0.5	1.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**101.0**	**101.0**	**99.0**	**99.0**	**99.0**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-13**
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7073
Date Sampled: 21/08/2023
Dates Tested: 21/08/2023 - 28/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S7073A	S7073B	S7073C	S7073D
Test Number	93	94	95	96
Date Tested	21/08/2023	21/08/2023	21/08/2023	21/08/2023
Time Tested	09:54	10:08	10:25	10:42
Test Request #/Location	Stage 2	Stage 2	Stage 4B	Stage 4 B
Easting	12941.095	12989.207	12836.884	12823.360
Northing	36787.725	36787.512	36588.148	3667.448
Elevation (m)	52.936	52.710	52.446	51.977
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.14	2.13	2.15
Field Moisture Content %	18.3	18.1	18.2	18.0
Field Dry Density (FDD) t/m^3	1.81	1.81	1.80	1.82
Peak Converted Wet Density t/m^3	2.12	2.12	2.11	2.14
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-2.0	-2.0	-2.0	-2.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**100.5**	**101.0**	**101.0**	**100.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-13**
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7073
Date Sampled: 21/08/2023
Dates Tested: 21/08/2023 - 28/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S7073E	S7073F	S7073G	S7073H
Test Number	97	98	99	100
Date Tested	21/08/2023	21/08/2023	21/08/2023	21/08/2023
Time Tested	13:11	13:28	13:54	14:08
Test Request #/Location	Stage 2	Stage 2	Stage 4B	Stage 4B
Easting	12933.337	12912.806	12864.164	12862.601
Northing	36793.190	36768.027	36445.828	36473.050
Elevation (m)	52.262	53.031	55.912	55.737
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.15	2.14	2.14	2.13
Field Moisture Content %	18.3	18.4	18.4	18.3
Field Dry Density (FDD) t/m^3	1.82	1.81	1.81	1.80
Peak Converted Wet Density t/m^3	2.12	2.12	2.10	2.12
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-2.0	-1.5	-2.0	-1.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**101.5**	**101.0**	**102.0**	**100.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

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NATA Accredited Laboratory Number: 2316

Report Number: **23-241-14**
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7091
Date Sampled: 22/08/2023
Dates Tested: 22/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S7091A	S7091B	S7091C	S7091D
Test Number	101	102	103	104
Date Tested	22/08/2023	22/08/2023	22/08/2023	22/08/2023
Time Tested	09:57	10:12	10:28	11:42
Test Request #/Location	Stage 4B	Stage 4B	Stage 2	Stage 2
Easting	12862.813	12865.846	12989.322	12911.515
Northing	36476.218	36449.700	36790.153	36761.841
Elevation (m)	56.900	57.000	53.337	53.499
Layer / Reduced Level	Finish Level	**	Finish Level	**
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.15	2.14	2.14
Field Moisture Content %	11.8	10.8	11.2	11.3
Field Dry Density (FDD) t/m^3	1.92	1.94	1.93	1.92
Peak Converted Wet Density t/m^3	2.12	2.10	2.11	2.11
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	1.0	2.0	1.5	1.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**101.0**	**102.5**	**101.5**	**101.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-14**
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7091
Date Sampled: 22/08/2023
Dates Tested: 22/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S7091E	S7091F	S7091G	S7091H
Test Number	105	106	107	108
Date Tested	22/08/2023	22/08/2023	22/08/2023	22/08/2023
Time Tested	12:16	13:04	13:21	13:48
Test Request #/Location	Stage 4B	Stage 4B	Stage 2	Stage 2
Easting	12828.863	12814.433	12995.533	12985.124
Northing	36586.434	36623.742	36775.361	36789.156
Elevation (m)	54.116	52.893	53.614	53.317
Layer / Reduced Level	**	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	**	0	**
Field Wet Density (FWD) t/m^3	2.15	2.17	2.14	2.16
Field Moisture Content %	13.5	13.4	10.3	13.3
Field Dry Density (FDD) t/m^3	1.90	1.91	1.94	1.91
Peak Converted Wet Density t/m^3	2.10	2.11	2.14	2.17
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	1.5	2.0	1.0	-1.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**102.5**	**103.0**	**100.0**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-15**
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7005
Date Sampled: 15/08/2023
Dates Tested: 15/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7005A	S7005B	S7005C	S7005D	S7005E	S7005F
Test Number	66	67	68	69	70	71
Date Tested	15/08/2023	15/08/2023	15/08/2023	15/08/2023	15/08/2023	15/08/2023
Time Tested	07:49	08:36	10:02	10:18	10:36	13:02
Test Request #/Location	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A
Easting	12956.827	12959.130	12953.909	12903.973	12923.896	12944.567
Northing	36471.571	36492.393	36516.080	36672.262	36670.121	36639.337
Elevation (m)	57:625	56:968	56:993	53.914	54.569	55:598
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	**	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.18	2.17	2.16	2.18	2.13
Field Moisture Content %	14.7	12.2	13.3	14.6	11.9	11.8
Field Dry Density (FDD) t/m^3	1.87	1.94	1.92	1.89	1.95	1.91
Peak Converted Wet Density t/m^3	2.17	2.12	2.10	2.12	2.10	2.11
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	1.5	1.5	3.0	0.5	3.0	2.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**99.0**	**102.5**	**103.5**	**101.5**	**103.5**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-15**
Issue Number: 1
Date Issued: 29/08/2023
Client: WINSLOW PTY LTD
1587 IPSWICH ROAD, ROCKLEA QLD 4106
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7005
Date Sampled: 15/08/2023
Dates Tested: 15/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Phone: 0417 011 515
Email: greg@qualtestgeo.com

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Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7005G	S7005H	S7005I	S7005J	S7005K	S7005L
Test Number	121	122	123	124	125	137
Date Tested	15/08/2023	15/08/2023	15/08/2023	15/08/2023	15/08/2023	15/08/2023
Time Tested	13:17	13:33	13:48	14:04	14:20	14:37
Test Request #/Location	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A	Package 1 Balance Fill Area. 4 A
Easting	12948.675	12951.637	12961.143	12894.475	12912.365	12902.336
Northing	36468.443	36484.287	36502.232	36653.476	36662.068	36641.665
Elevation (m)	58.098	57.782	57:602	54.599	56.002	55.342
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.16	2.14	2.14	2.17	2.18	2.16
Field Moisture Content %	11.3	11.4	11.5	11.7	11.6	11.5
Field Dry Density (FDD) t/m^3	1.94	1.92	1.92	1.94	1.95	1.94
Peak Converted Wet Density t/m^3	2.12	2.04	2.17	2.17	2.16	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	3.0	0.0	1.0	1.0	0.5	0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**102.0**	**105.0**	**98.5**	**100.0**	**100.5**	**100.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-16
Issue Number: 1
Date Issued: 30/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7017
Date Sampled: 16/08/2023
Dates Tested: 16/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut Fom Onsite

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7017A	S7017B	S7017C	S7017D	S7017E	S7017F
Test Number	72	73	74	75	76	77
Date Tested	16/08/2023	16/08/2023	16/08/2023	16/08/2023	16/08/2023	16/08/2023
Time Tested	08:32	09:18	10:02	10:19	10:36	13:08
Test Request #/Location	Stage 4A	Stage 4A	Stage 4A	Stage 4A	Stage 3	Stage 3
Easting	12959.693	12977.981	12975.267	12974.860	12854.601	12856.816
Northing	36499.729	36508.064	36460.783	36514.116	36716.487	36734.769
Elevation (m)	57:487	58.105	59.896	59.086	52.276	52.466
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	**	0	0
Field Wet Density (FWD) t/m^3	2.13	2.12	2.14	2.13	2.12	2.12
Field Moisture Content %	14.2	12.5	13.6	12.3	13.3	14.1
Field Dry Density (FDD) t/m^3	1.86	1.89	1.88	1.90	1.87	1.86
Peak Converted Wet Density t/m^3	2.16	2.16	2.15	2.16	2.15	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-1.0	-1.0	-1.0	0.0	-0.5	-0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**98.5**	**98.5**	**99.5**	**99.0**	**98.5**	**98.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-16
Issue Number: 1
Date Issued: 30/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7017
Date Sampled: 16/08/2023
Dates Tested: 16/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut Fom Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7017G	S7017H	S7017I	S7017J	S7017K	S7017L
Test Number	78	79	126	127	128	129
Date Tested	16/08/2023	16/08/2023	16/08/2023	16/08/2023	16/08/2023	16/08/2023
Time Tested	13:29	13:51	14:08	14:26	14:51	15:06
Test Request #/Location	Stage 3	Ossa St.	Ossa St	Stage 4A	Stage 4A	Stage 3
Easting	12852.435	13512.896	13504.765	12950.443	12986.325	12862.487
Northing	36721.027	36574.292	36573.899	36504.342	36512.564	36720.698
Elevation (m)	53.185	57:532	58.000	57.972	58.973	52.967
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.11	2.10	2.12	2.13	2.12	2.14
Field Moisture Content %	12.8	15.9	11.6	11.7	11.5	11.8
Field Dry Density (FDD) t/m^3	1.87	1.82	1.90	1.91	1.90	1.92
Peak Converted Wet Density t/m^3	2.16	2.15	2.16	2.15	2.13	2.12
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	0.0	-1.5	1.0	1.0	0.5	1.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**98.0**	**98.0**	**98.0**	**99.0**	**99.5**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-16**
Issue Number: 1
Date Issued: 30/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7017
Date Sampled: 16/08/2023
Dates Tested: 16/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut Fom Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7017M					
Test Number	130					
Date Tested	16/08/2023					
Time Tested	15:22					
Test Request #/Location	Stage 3					
Easting	12859.365					
Northing	36728.746					
Elevation (m)	53.176					
Thickness of Layer (mm)	175					
Soil Description	Silty SAND with CLAY Traces					
Test Depth (mm)	150					
Sieve used to determine oversize (mm)	19.0					
Percentage of Wet Oversize (%)	0					
Field Wet Density (FWD) t/m^3	2.13					
Field Moisture Content %	11.1					
Field Dry Density (FDD) t/m^3	1.92					
Peak Converted Wet Density t/m^3	2.13					
Adjusted Peak Converted Wet Density t/m^3	**					
Moisture Variation (Wv) %	0.5					
Adjusted Moisture Variation %	**					
Hilf Density Ratio (%)	**100.0**					
Compaction Method	**Standard**					
Report Remarks	**					

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-17
Issue Number: 1
Date Issued: 30/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7035
Date Sampled: 17/08/2023
Dates Tested: 17/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7035A	S7035B	S7035C	S7035E	S7035F	S7035G
Test Number	80	81	82	84	85	86
Date Tested	17/08/2023	17/08/2023	17/08/2023	17/08/2023	17/08/2023	17/08/2023
Time Tested	09:22	09:47	10:06	11:41	12:02	12:26
Test Request #/Location	Stage 3	Stage 3	Stage 3	Stage 4A	Stage 4A	Stage 4A
Easting	12919.201	12878.830	12875.436	12969.320	12967.511	12971.422
Northing	36676.877	36730.180	36742.582	36534.499	36500.057	36440.020
Elevation (m)	55.721	52.976	53.073	58.500	59.189	59.989
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.14	2.14	2.14	2.14	2.14
Field Moisture Content %	11.8	11.7	9.3	13.0	11.7	10.2
Field Dry Density (FDD) t/m^3	1.91	1.92	1.96	1.90	1.92	1.94
Peak Converted Wet Density t/m^3	2.11	2.11	2.15	2.15	2.15	2.15
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	0.5	2.0	-0.5	0.5	1.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**101.5**	**101.5**	**99.5**	**100.0**	**100.0**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-17
Issue Number: 1
Date Issued: 30/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7035
Date Sampled: 17/08/2023
Dates Tested: 17/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7035H	S7035I	S7035J	S7035K	S7035L	S7035M
Test Number	131	132	133	134	135	136
Date Tested	17/08/2023	17/08/2023	17/08/2023	17/08/2023	17/08/2023	17/08/2023
Time Tested	12:41	12:58	13:12	13:28	13:46	14:02
Test Request #/Location	Stage 3	Stage 3	Stage 3	Stage 4A	Stage 4A	Stage 4A
Easting	12928.223	12904.476	12873.679	12974.768	12977.567	13961.567
Northing	36680.045	36723.374	36748.419	36541.276	36496.598	36435.987
Elevation (m)	56.342	53.593	53.676	59.097	59.697	60.165
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY	Silty SAND with CLAY
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.14	2.14	2.14	2.14	2.14
Field Moisture Content %	10.5	11.2	10.9	11.5	10.7	11.3
Field Dry Density (FDD) t/m^3	1.93	1.93	1.93	1.92	1.93	1.93
Peak Converted Wet Density t/m^3	2.14	2.14	2.11	2.11	2.11	2.13
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	1.5	1.5	1.0	1.0	1.5	1.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**100.0**	**100.0**	**101.5**	**101.5**	**101.5**	**100.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-18
Issue Number: 1
Date Issued: 31/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7135
Date Sampled: 24/08/2023
Dates Tested: 24/08/2023 - 28/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7135A	S7135B	S7135C	S7135D	S7135E	S7135F
Test Number	144	145	146	147	148	149
Date Tested	24/08/2023	24/08/2023	24/08/2023	24/08/2023	24/08/2023	24/08/2023
Time Tested	07:22	08:19	08:36	08:53	09:10	09:27
Test Request #/Location	Stage 5 Batter.	Stage 2	Stage 2	Stage 2	Stage 3	Stage 3
Easting	13303.430	12942.372	12918.440	12904.559	12931.664	12949.551
Northing	36609.998	36780.528	36785?437	36763,692	36691.815	36712.723
Elevation (m)	55.068	52.520	51.998	53.279	55.978	56.612
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.17	2.15	2.16	2.15	2.17
Field Moisture Content %	10.0	12.8	9.8	10.1	10.2	10.2
Field Dry Density (FDD) t/m^3	1.95	1.92	1.96	1.96	1.95	1.97
Peak Converted Wet Density t/m^3	2.15	2.16	2.12	2.12	2.13	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	-0.5	2.5	2.5	0.5	0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**100.5**	**101.5**	**102.0**	**100.5**	**100.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-18
Issue Number: 1
Date Issued: 31/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7135
Date Sampled: 24/08/2023
Dates Tested: 24/08/2023 - 28/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7135G	S7135H	S7135I	S7135J	S7135K	S7135L
Test Number	150	151	152	153	154	155
Date Tested	24/08/2023	24/08/2023	24/08/2023	24/08/2023	24/08/2023	24/08/2023
Time Tested	09:45	10:01	10:16	10:33	12:32	12:48
Test Request #/Location	Stage 3	Stage 2	Stage 2	Stage 2	Stage 3	Stage 3
Easting	12974.106	12951.554	12923.435	12900.045	12940.554	12952.334
Northing	36737.487	36774.825	36790.654	36758.876	36694.765	36708.221
Elevation (m)	56.103	53.487	52.873	53.997	56.783	57.323
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.16	2.16	2.17	2.18	2.16	2.12
Field Moisture Content %	10.0	10.2	9.5	9.5	10.1	10.2
Field Dry Density (FDD) t/m^3	1.97	1.96	1.98	1.99	1.96	1.93
Peak Converted Wet Density t/m^3	2.12	2.11	2.11	2.12	2.14	2.13
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	2.0	2.0	2.0	2.0	2.0	2.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**102.0**	**102.0**	**102.5**	**102.5**	**101.0**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-18**
Issue Number: 1
Date Issued: 31/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7135
Date Sampled: 24/08/2023
Dates Tested: 24/08/2023 - 28/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7135M					
Test Number	156					
Date Tested	24/08/2023					
Time Tested	13:06					
Test Request #/Location	Stage 3					
Easting	12980.656					
Northing	36741.121					
Elevation (m)	56.872					
Thickness of Layer (mm)	175					
Soil Description	Silty SAND with CLAY Traces					
Test Depth (mm)	150					
Sieve used to determine oversize (mm)	19.0					
Percentage of Wet Oversize (%)	0					
Field Wet Density (FWD) t/m^3	2.16					
Field Moisture Content %	9.9					
Field Dry Density (FDD) t/m^3	1.97					
Peak Converted Wet Density t/m^3	2.12					
Adjusted Peak Converted Wet Density t/m^3	**					
Moisture Variation (Wv) %	1.5					
Adjusted Moisture Variation %	**					
Hilf Density Ratio (%)	**102.0**					
Compaction Method	**Standard**					
Report Remarks	**					

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-19
Issue Number: 1
Date Issued: 31/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7153
Date Sampled: 25/08/2023
Dates Tested: 25/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7153A	S7153B	S7153C	S7153D	S7153E	S7153F
Test Number	169	170	171	172	173	174
Date Tested	25/08/2023	25/08/2023	25/08/2023	25/08/2023	25/08/2023	25/08/2023
Time Tested	07:22	07:38	07:55	08:11	08:25	10:02
Test Request #/Location	Lot 208	Lot 209	Lot 210	Lot 211	Lot 212	Lot 213
Easting	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot
Northing	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot
Layer / Reduced Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.18	2.17	2.19	2.19	2.15	2.18
Field Moisture Content %	13.0	12.7	11.1	11.4	11.0	11.0
Field Dry Density (FDD) t/m^3	1.93	1.92	1.97	1.96	1.94	1.97
Peak Converted Wet Density t/m^3	2.12	2.13	2.10	2.10	2.08	2.09
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	0.5	-0.5	1.5	1.5	2.0	2.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**103.0**	**102.0**	**104.5**	**104.0**	**103.5**	**104.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-19
Issue Number: 1
Date Issued: 31/08/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7153
Date Sampled: 25/08/2023
Dates Tested: 25/08/2023 - 29/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7153G	S7153H	S7153I	S7153J	S7153K	S7153L
Test Number	175	176	177	178	179	180
Date Tested	25/08/2023	25/08/2023	25/08/2023	25/08/2023	25/08/2023	25/08/2023
Time Tested	10:18	10:34	11:06	13:03	13:20	13:38
Test Request #/Location	Lot 214	Lot 215	Lot 216	Lot 217	Lot 218	Lot 219
Easting	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot
Northing	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot
Layer / Reduced Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.16	2.13	2.14	2.13	2.16	2.15
Field Moisture Content %	12.3	12.2	14.1	13.7	13.6	13.5
Field Dry Density (FDD) t/m^3	1.92	1.90	1.88	1.87	1.90	1.90
Peak Converted Wet Density t/m^3	2.12	2.11	2.14	2.15	2.13	2.13
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.0	-0.5	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**102.0**	**101.0**	**100.0**	**99.0**	**101.0**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-20
Issue Number: 1
Date Issued: 06/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7108
Date Sampled: 23/08/2023
Dates Tested: 23/08/2023 - 31/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7108A	S7108B	S7108C	S7108D	S7108E	S7108F
Test Number	157	158	159	160	161	162
Date Tested	23/08/2023	23/08/2023	23/08/2023	23/08/2023	23/08/2023	23/08/2023
Time Tested	07:17	07:34	07:49	08:07	10:01	10:17
Test Request #/Location	Stage 4A	Stage 4A	Stage 4A	Stage 2	Stage 2	Stage 2
Easting	12983.948	12993.400	13000.020	12948449	12976.734	13008.565
Northing	36420.067	36428.859	36433.667	36697.734	36727.919	36750.506
Elevation (m)	61.875	62.027	62.534	56.476	55.923	53.876
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.12	2.15	2.15	2.12	2.12	2.12
Field Moisture Content %	13.0	12.2	12.0	11.2	13.4	13.1
Field Dry Density (FDD) t/m^3	1.88	1.92	1.92	1.91	1.87	1.87
Peak Converted Wet Density t/m^3	2.08	2.08	2.09	2.10	2.10	2.10
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	1.5	1.5	2.0	2.0	1.0	1.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**102.0**	**103.5**	**102.5**	**101.5**	**101.5**	**100.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-20
Issue Number: 1
Date Issued: 06/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7108
Date Sampled: 23/08/2023
Dates Tested: 23/08/2023 - 31/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7108G	S7108H	S7108I	S7108J	S7108K	S7108L
Test Number	163	164	165	166	167	168
Date Tested	23/08/2023	23/08/2023	23/08/2023	23/08/2023	23/08/2023	23/08/2023
Time Tested	10:34	11:22	11:48	12:42	13:18	13:31
Test Request #/Location	Stage 4A	Stage 4A	Stage 4A	Stage 2	Stage 2	Stage 2
Easting	12978.265	12989.956	13011.121	12956.994	13015.767	12983.437
Northing	36426.326	36433.586	36441.867	36710.347	36757.650	36.732.556
Elevation (m)	62.973	62.873	63.708	56.843	54.924	56.797
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.12	2.11	2.13	2.13	2.14	2.13
Field Moisture Content %	13.7	14.0	10.4	10.7	13.2	10.5
Field Dry Density (FDD) t/m^3	1.86	1.85	1.93	1.93	1.89	1.93
Peak Converted Wet Density t/m^3	2.08	2.09	2.09	2.11	2.09	2.10
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	1.5	1.5	1.0	1.0	1.0	1.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**101.5**	**101.5**	**102.0**	**101.0**	**102.5**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-21
Issue Number: 1
Date Issued: 07/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7172
Date Sampled: 28/08/2023
Dates Tested: 28/08/2023 - 31/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Greg Gibson
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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7172A	S7172B	S7172C	S7172D	S7172E	S7172F
Test Number	160	161	162	163	164	165
Date Tested	28/08/2023	28/08/2023	28/08/2023	28/08/2023	28/08/2023	28/08/2023
Time Tested	07:43	08:02	08:19	08:36	08:54	10:02
Test Request #/Location	Lot 183	Lot 184	Lot 185	Lot 186	Lot 187	Lot 188
Easting	7m From Front Boundary of Lot	4m From Back Boundary of Lot	4m From Front Boundary of Lot	9m From Front Boundary of Lot	Centre of Lot	3m From Back Boundary of Lot
Northing	2.5m From RHS Boundary of Lot	2m From RHS Boundary of Lot	3m From LHS Boundary of Lot	1.5m From LHS Boundary of Lot	Centre of Lot	4m From RHS Boundary of Lot
Layer / Reduced Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.13	2.12	2.12	2.15	2.13	2.12
Field Moisture Content %	14.0	9.7	12.0	12.2	12.1	12.4
Field Dry Density (FDD) t/m^3	1.87	1.94	1.90	1.92	1.90	1.89
Peak Converted Wet Density t/m^3	2.15	2.08	2.11	2.12	2.15	2.13
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-1.5	1.0	1.0	0.5	0.5	0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**99.0**	**102.5**	**100.5**	**101.5**	**99.0**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **23-241-21**
Issue Number: 1
Date Issued: 07/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7172
Date Sampled: 28/08/2023
Dates Tested: 28/08/2023 - 31/08/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7172G	S7172H	S7172I	S7172J	S7172K	S7172L
Test Number	166	167	168	169	170	171
Date Tested	28/08/2023	28/08/2023	28/08/2023	28/08/2023	28/08/2023	28/08/2023
Time Tested	10:18	10:35	12:08	13:02	13:20	13:38
Test Request #/Location	Lot 189	Lot 190	Stage 4B	Stage 4B	Stage 4B	Marsdinia Drive Batter
Easting	4.5m From Front Boundary of Lot	Centre of Lot	12857.761	12865.698	12877.598	13157.174
Northing	2.2m From LHS Boundary of Lot	Centre of Lot	36463.217	36438.106	36499.798	36694.205
Elevation (m)	**	**	57.584	57.702	57.578	55.476
Layer / Reduced Level	Finish Level	Finish Level	**	**	**	**
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.12	2.13	2.13	2.13	2.13	2.14
Field Moisture Content %	14.3	14.7	14.2	13.9	12.8	13.3
Field Dry Density (FDD) t/m^3	1.86	1.85	1.87	1.87	1.89	1.89
Peak Converted Wet Density t/m^3	2.16	2.15	2.13	2.12	2.11	2.11
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	-0.5	0.0	0.0	1.0	1.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**98.5**	**99.0**	**100.5**	**100.5**	**101.0**	**101.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-22
Issue Number: 1
Date Issued: 11/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7235
Date Sampled: 02/09/2023
Dates Tested: 02/09/2023 - 05/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Phone: 0417 011 515
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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S7235A	S7235B	S7235C	S7235D
Test Number	218	219	220	221
Date Tested	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Time Tested	10:02	10:18	10:39	11:00
Test Request #/Location	Marsdina Drive Road Box	Marsdina Drive Road Box	Marsdina Drive Road Box	Marsdina Drive Road Box
Easting	13093.324	13068.262	13052.168	13028.438
Northing	36716.534	36750.918	36755.819	36784.539
Elevation (m)	55.065	54.956	54.077	53.388
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.17	2.13	2.17
Field Moisture Content %	11.0	11.5	10.4	10.7
Field Dry Density (FDD) t/m^3	1.93	1.94	1.93	1.96
Peak Converted Wet Density t/m^3	2.10	2.10	2.10	2.10
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	2.0	2.0	2.0	2.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**102.0**	**103.5**	**101.5**	**103.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-22
Issue Number: 1
Date Issued: 11/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7235
Date Sampled: 02/09/2023
Dates Tested: 02/09/2023 - 05/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S7235E	S7235F	S7235G	S7235H
Test Number	222	223	224	225
Date Tested	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Time Tested	13:02	13:19	13:36	13:53
Test Request #/Location	Lot 66	Lot 67	Lot 68	Lot 69
Easting	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot
Northing	Centre of Lot	Centre of Lot	Centre of Lot	Centre of Lot
Layer / Reduced Level	Finish Level	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.15	2.14	2.15	2.16
Field Moisture Content %	13.8	13.8	15.7	16.2
Field Dry Density (FDD) t/m^3	1.89	1.88	1.85	1.86
Peak Converted Wet Density t/m^3	2.16	2.17	2.16	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-0.5	-0.5	0.0	0.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**99.0**	**99.0**	**100.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-23
Issue Number: 1
Date Issued: 15/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7270
Date Sampled: 05/09/2023
Dates Tested: 05/09/2023 - 14/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Earthworks - Montview - South Ripley
Material: General Fill
Material Source: Onsite

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Approved Signatory: Greg Gibson
ql-greg

NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S7270A	S7270B	S7270C	S7270D
Test Number	203	204	205	206
Date Tested	05/09/2023	05/09/2023	05/09/2023	05/09/2023
Time Tested	13:06	13:13	13:25	13:40
Test Request #/Location	General Fill	General Fill	General Fill	General Fill
Easting	482882	482888	482879	482869
Northing	6936666	6936683	6936649	6936626
Elevation (m)	58.50	57.88	58.90	59.0
Thickness of Layer (mm)	175	175	175	175
Soil Description	Sandy CLAY	Sandy CLAY	Sandy CLAY	Sandy CLAY
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.11	2.15	2.12	2.13
Field Moisture Content %	14.6	13.2	13.8	13.5
Field Dry Density (FDD) t/m^3	1.84	1.89	1.86	1.87
Peak Converted Wet Density t/m^3	2.12	2.10	2.13	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-0.5	1.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**102.5**	**99.5**	**98.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-24
Issue Number: 1
Date Issued: 18/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7189
Date Sampled: 29/08/2023
Dates Tested: 29/08/2023 - 15/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7189A	S7189B	S7189C	S7189D	S7189E	S7189F
Test Number	158	159	160	161	162	163
Date Tested	29/08/2023	29/08/2023	29/08/2023	29/08/2023	29/08/2023	29/08/2023
Time Tested	08:11	08:28	09:05	09:27	09:48	10:03
Test Request #/Location	Marsdinia Drive Batter	Marsdinia Drive Batter	Lot 191	Lot 192	Lot 193	Lot 194
Easting	13210.857	13185.367	3m From Back Boundary of Lot	9m From Front Boundary of Lot	4m From Front Boundary of Lot	Centre of Lot
Northing	36650.357	36666.641	4m From LHS. Boundary of Lot	3,5m From RHS Boundary of Lot	2.5m From LHS Boundary of Lot	Centre of Lot
Elevation (m)	56,897	57.383	Finish Level	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Sandy CLAY/ Clayey SAND	Sandy CLAY/ Clayey SAND	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.17	2.18	2.16	2.18	2.18	2.19
Field Moisture Content %	12.8	13.0	12.8	12.5	12.9	12.9
Field Dry Density (FDD) t/m^3	1.93	1.93	1.92	1.94	1.93	1.94
Peak Converted Wet Density t/m^3	2.17	2.16	2.16	2.16	2.16	2.15
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-1.0	-1.5	-0.5	-1.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**100.0**	**100.5**	**100.0**	**101.0**	**101.5**	**102.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-24
Issue Number: 1
Date Issued: 18/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7189
Date Sampled: 29/08/2023
Dates Tested: 29/08/2023 - 15/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7189G	S7189H	S7189I	S7189J	S7189K	S7189L
Test Number	164	165	166	167	168	169
Date Tested	29/08/2023	29/08/2023	29/08/2023	29/08/2023	29/08/2023	29/08/2023
Time Tested	10:20	10:40	11:06	13:02	13:18	13:33
Test Request #/Location	Lot 195	Lot 196	Lot 197	Marsdinia Drive Road Box	Marsdinia Drive Road Box	Marsdinia Drive Road Box
Easting	3.5m From Front Boundary of Lot	4m From Front Boundary of Lot	6m From Front Boundary of Lot	13216.419	13202.298	13177.142
Northing	3.5m From RHS Boundary of Lot	2.5m From LHS Boundary of Lot	3m From RHS Boundary of Lot	36616.455	36647.155	36668.561
Elevation (m)	Finish Level	Finish Level	Finish Level	57.896	57.639	57.383
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Sandy CLAY/ Clayey SAND	Sandy CLAY/ Clayey SAND	Sandy CLAY/ Clayey SAND
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.13	2.13	2.13	2.19	2.19	2.19
Field Moisture Content %	12.8	13.0	12.3	12.1	12.3	12.3
Field Dry Density (FDD) t/m^3	1.89	1.88	1.90	1.95	1.95	1.95
Peak Converted Wet Density t/m^3	2.16	2.15	2.14	2.15	2.13	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	0.0	0.0	0.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**99.0**	**99.0**	**99.5**	**102.0**	**102.5**	**101.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-25
Issue Number: 1
Date Issued: 18/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7219
Date Sampled: 31/08/2023
Dates Tested: 31/08/2023 - 15/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S7219A	S7219B	S7219C
Test Number	197	198	199
Date Tested	31/08/2023	31/08/2023	31/08/2023
Time Tested	13:49	14:06	14:23
Test Request #/Location	Stage 4A - Retest WR 7062B	Stage 4A- Retest WR 7062F	Stage 4B- Retest WR 7062H
Easting	12975.976	12990.453	12869.326
Northing	36535.851	36445.768	36472.719
Elevation (m)	58.802	58.880	54.987
Thickness of Layer (mm)	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.14	2.13
Field Moisture Content %	12.9	12.0	11.4
Field Dry Density (FDD) t/m^3	1.89	1.91	1.91
Peak Converted Wet Density t/m^3	2.14	2.12	2.13
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.5	1.0	1.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**100.0**	**100.5**	**100.0**
Compaction Method	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

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NATA Accredited Laboratory Number: 2316

Report Number: **23-241-26**
Issue Number: 1
Date Issued: 18/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7220
Date Sampled: 31/08/2023
Dates Tested: 31/08/2023 - 18/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S7220A	S7220B	S7220C
Test Number	200	201	202
Date Tested	31/08/2023	31/08/2023	31/08/2023
Time Tested	14:36	14:51	15:08
Test Request #/Location	Stage 4A- Retest WR 7005C	Stage 4A- Retest WR 7005F	Stage 4A- Retest WR 7005G
Easting	12953.909	12944.567	12948.675
Northing	36516.080	36639.337	36468.443
Elevation (m)	56.993	55.598	58.098
Thickness of Layer (mm)	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.14	2.13
Field Moisture Content %	13.5	13.4	16.4
Field Dry Density (FDD) t/m^3	1.89	1.88	1.83
Peak Converted Wet Density t/m^3	2.16	2.16	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	-0.5	-1.0	-1.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**99.0**	**99.0**	**98.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-28
Issue Number: 1
Date Issued: 19/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7278
Date Sampled: 06/09/2023
Dates Tested: 06/09/2023 - 15/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Earthworks - MONTVIEW - SOUTH RIPLEY
Material: General Fill
Material Source: On-site

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	S7278A	S7278B	S7278C	S7278D
Test Number	207	208	209	210
Date Tested	06/09/2023	06/09/2023	06/09/2023	06/09/2023
Time Tested	13:07	13:12	13:17	13:22
Test Request #/Location	Earthworks - STG 2 - Lot 1	Earthworks - STG 2 - Lot 17	Earthworks - STG 2 - Local Park	Earthworks - STG 2 - Local Park
Easting	482863	482853	482851	482853
Northing	6936637	6936704	6936779	6936796
Elevation (m)	59.2	58.2	54.7	54.8
Thickness of Layer (mm)	175	175	175	175
Soil Description	Sandy CLAY	Sandy CLAY	Sandy CLAY	Sandy CLAY
Test Depth (mm)	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.08	2.11	2.10	2.10
Field Moisture Content %	13.0	13.5	13.6	13.2
Field Dry Density (FDD) t/m^3	1.84	1.86	1.85	1.85
Peak Converted Wet Density t/m^3	2.10	2.09	2.11	2.10
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	1.0	1.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**101.0**	**100.0**	**100.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-29
Issue Number: 1
Date Issued: 19/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7320
Date Sampled: 08/09/2023
Dates Tested: 08/09/2023 - 16/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 95% Standard
Site Selection: Selected by GTA
Location: Earthworks - Montview - South Ripley
Material: Allotment Fill
Material Source: Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S7320A	S7320B	S7320C
Test Number	211	212	213
Date Tested	08/09/2023	08/09/2023	08/09/2023
Time Tested	13:07	13:20	13:30
Test Request #/Location	Earthworks - STG 4B - Lot=3	Earthworks - STG 4B - Lot=4	Earthworks - STG 4B - Lot=5
Easting	5m From North Boundary	7m From North Boundary	8m From North Boundary
Northing	7m From West Boundary	5m From East Boundary	6m From West Boundary
Elevation (m)	59.88	60.44	60.77
Layer / Reduced Level	0.6m Below F/L	0.6m Below F/L	0.6m Below F/L
Thickness of Layer (mm)	175	175	175
Soil Description	Sandy CLAY	Sandy CLAY	Sandy CLAY
Test Depth (mm)	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.12	2.19	2.12
Field Moisture Content %	14.2	12.0	13.7
Field Dry Density (FDD) t/m^3	1.86	1.96	1.86
Peak Converted Wet Density t/m^3	2.16	2.14	2.17
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	-0.5	0.5	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**98.0**	**102.5**	**97.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-31
Issue Number: 1
Date Issued: 25/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7334
Date Sampled: 12/09/2023
Dates Tested: 12/09/2023 - 23/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Earthworks - STG 4B - MONTVIEW
Material: Allotment Fill
Material Source: Onsite

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Approved Signatory: Greg Gibson
ql-greg

NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S7334A	S7334B	S7334C
Test Number	214	215	216
Date Tested	12/09/2023	12/09/2023	12/09/2023
Time Tested	10:00	10:10	10:20
Test Request #/Location	Earthworks - STG 4B - LOT=3	Earthworks - STG 4B - LOT= 5	Earthworks - STG 4B - LOT=6
Easting	11m From North Boundary	4m From North Boundary	6m From North Boundary
Northing	7m From West Boundary	8m From East Boundary	6m From West Boundary
Layer / Reduced Level	Final Level	Final Level	0.5m Below F/L
Thickness of Layer (mm)	175	175	175
Soil Description	Sandy CLAY	Sandy CLAY	Sandy CLAY
Test Depth (mm)	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.09	2.11	2.12
Field Moisture Content %	11.9	12.2	10.8
Field Dry Density (FDD) t/m^3	1.86	1.88	1.92
Peak Converted Wet Density t/m^3	2.12	2.13	2.10
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	-0.5	0.0	1.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**98.5**	**99.5**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-35
Issue Number: 1
Date Issued: 28/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7201
Date Sampled: 30/08/2023
Dates Tested: 30/08/2023 - 26/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7201A	S7201B	S7201C	S7201D	S7201E	S7201F
Test Number	170	171	172	173	174	175
Date Tested	30/08/2023	30/08/2023	30/08/2023	30/08/2023	30/08/2023	30/08/2023
Time Tested	08:19	10:02	10:18	10:34	11:58	12:14
Test Request #/Location	Marsdinia Drive	Marsdinia Drive	Marsdinia Drive	Marsdinia Drive	Marsdinia Drive	Lot 169
Easting	13080.236	13106.506	13112.938	13095.281	13073.118	3m From Back Boundary of Lot
Northing	36733.796	36725.106	36713.201	36718.602	36727.249	2.5m From RHS Boundary of Lot
Elevation (m)	53.593	54.228	54.915	54.673	54.295	**
Layer / Reduced Level	**	**	**	**	**	Finish Level
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.13	2.14	2.14	2.14	2.12	2.14
Field Moisture Content %	15.1	14.8	16.6	17.4	16.8	15.9
Field Dry Density (FDD) t/m^3	1.85	1.86	1.84	1.82	1.82	1.85
Peak Converted Wet Density t/m^3	2.17	2.17	2.19	2.18	2.15	2.16
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-1.5	-2.0	-2.0	-2.0	-2.0	-2.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**98.0**	**98.5**	**98.0**	**98.0**	**98.5**	**99.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-35
Issue Number: 1
Date Issued: 28/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7201
Date Sampled: 30/08/2023
Dates Tested: 30/08/2023 - 26/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7201G	S7201H	S7201I	S7201J	S7201K	S7201L
Test Number	176	177	178	179	180	181
Date Tested	30/08/2023	30/08/2023	30/08/2023	30/08/2023	30/08/2023	30/08/2023
Time Tested	12:29	12:43	13:05	13:20	13:38	13:53
Test Request #/Location	Lot 170	Lot 171	Lot 172	Lot 173	Lot 174	Lot 168
Easting	4m From Back Boundary of Lot	Centre of Lot	3m From Back Boundary of Lot	Centre of Lot	4m From Front Boundary of Lot	8m From Front Boundary of Lot
Northing	3m From LHS Boundary of Lot	Centre of Lot	4m From LHS Boundary of Lot	Centre of Lot	4m From RHS Boundary of Lot	4m From LHS Boundary of Lot
Layer / Reduced Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces	Silty SAND with CLAY Traces
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.14	2.12	2.14	2.13	2.14
Field Moisture Content %	16.6	15.5	14.5	14.8	15.3	15.0
Field Dry Density (FDD) t/m^3	1.83	1.85	1.85	1.86	1.85	1.86
Peak Converted Wet Density t/m^3	2.12	2.10	2.16	2.15	2.10	2.11
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	0.0	0.5	-2.0	-2.0	-0.5	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**101.0**	**102.0**	**98.5**	**99.5**	**101.5**	**101.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-37
Issue Number: 1
Date Issued: 29/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7218
Date Sampled: 31/08/2023
Dates Tested: 31/08/2023 - 27/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7218A	S7218B	S7218C	S7218D	S7218E	S7218F
Test Number	182	183	184	185	186	187
Date Tested	31/08/2023	31/08/2023	31/08/2023	31/08/2023	31/08/2023	31/08/2023
Time Tested	07:15	07:32	07:48	08:09	08:24	08:42
Test Request #/Location	Lot 76	Lot 77	Lot 78	Lot 79	Lot 80	Lot 81
Easting	6m From Front Boundary of Lot	8m From Front Boundary of Lot	4m From Back Boundary of Lot	5m From Front Boundary of Lot	Centre of Lot	8m From Front Boundary of Lot
Northing	4m From RHS Boundary of Lot	3.5m From LHS Boundary of Lot	2.5m From RHS Boundary of Lot	4m From RHS Boundary of Lot	Centre of Lot	4m From LHS Boundary of Lot
Layer / Reduced Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Clayey SAND	Clayey SAND	Clayey SAND	Clayey SAND	Clayey SAND	Clayey SAND
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.13	2.14	2.15	2.15	2.14	2.12
Field Moisture Content %	11.8	12.1	12.4	13.1	10.3	10.4
Field Dry Density (FDD) t/m^3	1.90	1.91	1.91	1.90	1.94	1.92
Peak Converted Wet Density t/m^3	2.11	2.13	2.15	2.15	2.08	2.08
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	2.0	2.0	-0.5	-0.5	0.0	1.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**101.0**	**100.0**	**100.0**	**100.5**	**102.5**	**102.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-37
Issue Number: 1
Date Issued: 29/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7218
Date Sampled: 31/08/2023
Dates Tested: 31/08/2023 - 27/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7218G	S7218H	S7218I	S7218J	S7218K	S7218L
Test Number	188	189	190	191	192	193
Date Tested	31/08/2023	31/08/2023	31/08/2023	31/08/2023	31/08/2023	31/08/2023
Time Tested	09:14	09:35	09:48	10:02	10:18	10:33
Test Request #/Location	Lot 70	Lot 139	Lot 59	Marsdinia Road Box	Marsdinia Road Box	Marsdinia Road Box
Easting	3m From Back Boundary of Lot	3m From Front Boundary of Lot	4m From Back Boundary of Lot	13083.448	13105.248	13114.748
Northing	2.5m From LHS Boundary of Lot	Centre of Lot	4m From RHS Boundary of Lot	36722.924	36717.143	36712.102
Elevation (m)	**	**	**	54.102	54.385	55.306
Layer / Reduced Level	Finish Level	Finish Level	Finish Level	**	**	**
Thickness of Layer (mm)	175	175	175	175	175	175
Soil Description	Clayey SAND	Clayey SAND	Clayey SAND	Clayey SAND	Clayey SAND	Clayey SAND
Test Depth (mm)	150	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.14	2.14	2.15	2.15	2.14	2.13
Field Moisture Content %	11.9	12.3	12.2	11.7	11.2	11.4
Field Dry Density (FDD) t/m^3	1.91	1.90	1.92	1.92	1.92	1.91
Peak Converted Wet Density t/m^3	2.14	2.12	2.10	2.11	2.11	2.12
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	0.0	-0.5	1.0	0.5	0.5	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**100.0**	**101.0**	**102.5**	**102.0**	**101.5**	**100.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-37
Issue Number: 1
Date Issued: 29/09/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7218
Date Sampled: 31/08/2023
Dates Tested: 31/08/2023 - 27/09/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Montview Estate, Sth Ripley
Material: General Fill
Material Source: Cut From Onsite

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Approved Signatory: Rhys Mitchell
Field Technician
NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	S7218M	S7218N	S7218O	S7218P		
Test Number	194	195	196	255		
Date Tested	31/08/2023	31/08/2023	31/08/2023	31/08/2023		
Time Tested	12:04	12:22	13:03	13:18		
Test Request #/Location	Marsdinia Road Box	Marsdinia Road Box	Marsdinia Road Box	Lot 69		
Easting	13175.142	13204.892	13218.419	Centre of Lot		
Northing	36669.651	36646.254	36615.454	Centre of Lot		
Elevation (m)	57.895	58.245	58.432	**		
Layer / Reduced Level	**	**	**	Final Level		
Thickness of Layer (mm)	175	175	175	175		
Soil Description	Clayey SAND	Clayey SAND	Clayey SAND	Clayey SAND		
Test Depth (mm)	150	150	150	150		
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0		
Percentage of Wet Oversize (%)	0	0	0	0		
Field Wet Density (FWD) t/m^3	2.14	2.15	2.13	2.13		
Field Moisture Content %	14.2	14.2	12.3	11.5		
Field Dry Density (FDD) t/m^3	1.88	1.88	1.89	1.91		
Peak Converted Wet Density t/m^3	2.14	2.12	2.11	2.13		
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**		
Moisture Variation (Wv) %	-0.5	0.0	0.5	0.5		
Adjusted Moisture Variation %	**	**	**	**		
Hilf Density Ratio (%)	**100.0**	**101.5**	**100.5**	**100.0**		
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**		
Report Remarks	**	**	**	**		

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: 23-241-47
Issue Number: 1
Date Issued: 24/10/2023
Client: WINSLOW PTY LTD
BUILDING 4, G1, 107 MILES PLATTING RD, EIGHT MILE PLAINS QLD 4113
Contact: JAMES MARTIN
Project Number: 23-241
Project Name: LEVEL TWO TESTING
Project Location: MONTVIEW STAGE 1 & 1A, RIPLEY
Client Reference: 40930
Work Request: 7779
Date Sampled: 18/10/2023
Dates Tested: 18/10/2023 - 19/10/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and preparation of soils
Specification: 98% STD +/- 2%OMC
Site Selection: Selected by GTA
Location: Earthworks - Creek Way / Bund - Montview
Material: General Fill
Material Source: Onsite

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Greg Gibson
ql-greg

NATA Accredited Laboratory Number: 2316

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	S7779A	S7779B	S7779C
Test Number	333	334	335
Date Tested	18/10/2023	18/10/2023	18/10/2023
Time Tested	10:12	10:20	10:30
Test Request #/Location	Earthworks - Creek Way / Wet Land	Earthworks - Creek Way / Wet Land	Earthworks - Creek Way / Wet Land
Easting	483136	483163	483177
Northing	6936973	6936962	6936951
Layer / Reduced Level	0.4m Below F/L	0.4m Below F/L	0.4m Below F/L
Thickness of Layer (mm)	175	175	175
Soil Description	Sandy CLAY	Sandy CLAY	Sandy CLAY
Test Depth (mm)	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.09	2.11	2.10
Field Moisture Content %	11.3	10.8	12.0
Field Dry Density (FDD) t/m^3	1.88	1.91	1.87
Peak Converted Wet Density t/m^3	2.13	2.07	2.11
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.5	2.0	1.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**98.0**	**102.0**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC