

Level One Compliance Report

BULK EARTHWORKS FILLING OPERATIONS

Everleigh Estate
Precinct 9.5
Teviot Road, Greenbank

22 May 2023

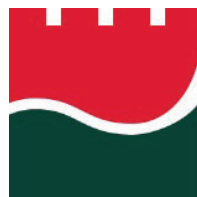
Prepared By

MORRISON GEOTECHNIC

Prepared for:

Shadforth Civil

Document Reference: P9.5



MORRISON
GEOTECHNIC

Gold Coast Office
Job No: PTP/10047
Ref No: P9.5
Author: Tom Taylor

22 May 2023

Shadforth Civil
99 Sandalwood Lane
Forest Glen Qld 4556

ATTENTION: CALLUM WATTS
Email: callum.watts@shadcivil.com.au

**RE: LEVEL ONE COMPLIANCE REPORT FOR BULK EARTHWORKS FILLING OPERATIONS,
EVERLEIGH ESTATE – PRECINCT 9.5, TEVIOT ROAD, GREENBANK**

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1.0 INTRODUCTION

1.1 General

This report presents results of Level One Earthworks Inspections and associated compaction compliance testing carried out on earthworks fill constructed at Everleigh Estate – Precinct 9.5, Teviot Road, Greenbank.

The earthworks operations were carried out by Shadforth Civil between 8 September 2022 and 19 April 2023.

The areas of fill covered by this report are presented in Figures 1, 2 and 3 below. Figure 1 and Figure 2 present the extent of earthworks as shown on the Premise Earthworks Drawings MIR-0905-C200-B and MIR-0905-C201-B. Figures 3A and 3B show the actual fill areas and conformance with the 600mm and 100mm below finished surface level as shown on the Shadforth Civil Survey Plans.

Figure 1: Extent of Fill (Precinct 9.5) - Premise Earthwork Drawing MIR-0905-C200-B



Figure 2: Extent of Fill (Precinct 9.5) - Premise Earthwork Drawing MIR-0905-C201-B

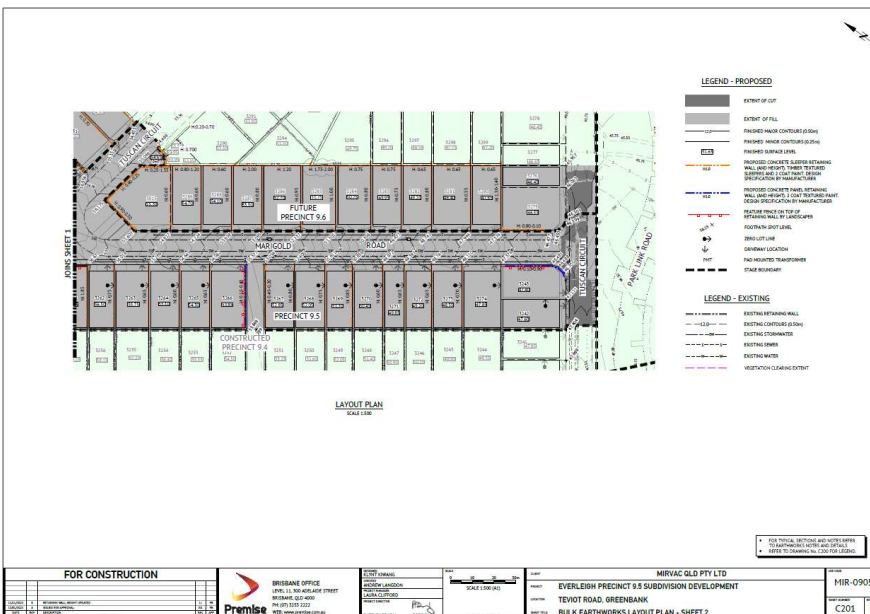
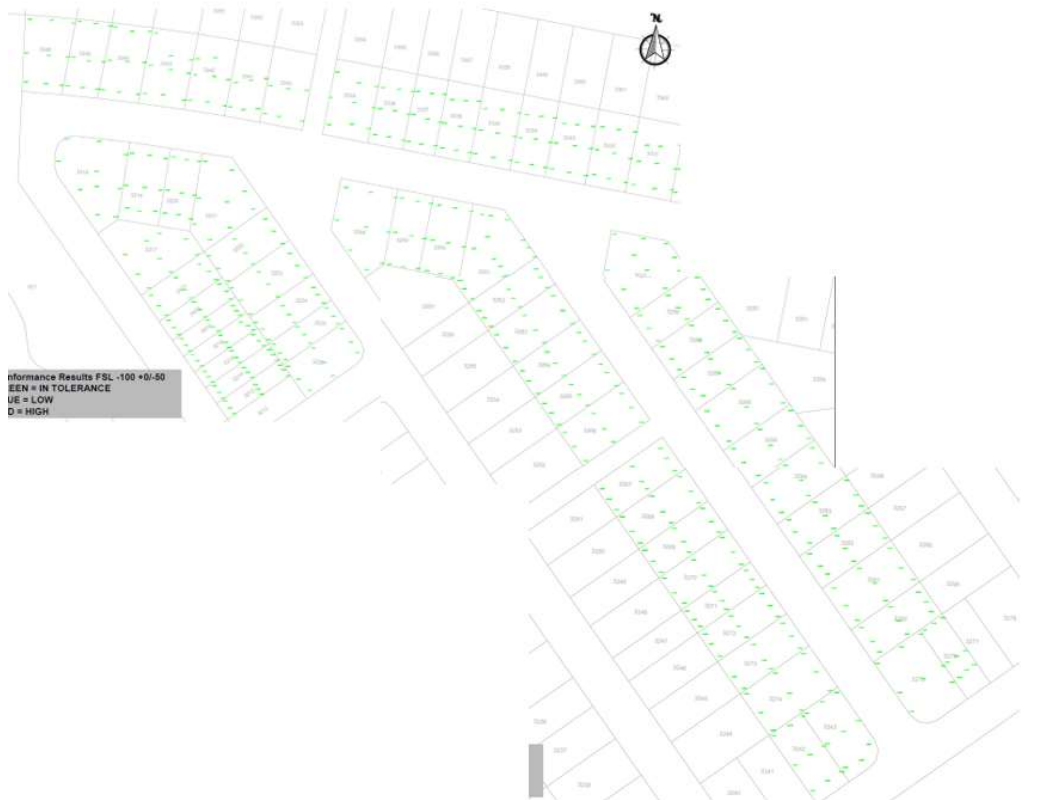


Figure 3A: Actual Constructed Area of Fill (600mm BFSL) – Shadforth Survey Plans



Figure 3A: Actual Constructed Area of Fill (100mm BFSL) – Shadforth Survey Plans



1.2 Previous Earthworks

As far as we are aware, there were no previous earthworks carried out at the Site.

1.3 The Project

The project includes filling operations to construct building platforms to support proposed residences, new pavements, and underground services. The Site is bounded by sports and recreation precinct to the south, existing stages to the west and future precincts to the north and east.

2.0 THE BRIEF

The Brief from the Client and relevant documents were limited to:

- Level One Inspection and Testing of the placement and compaction of fill materials in general accordance with AS3798 2007 – “Guidelines on Earthworks for Commercial and Residential Developments”.
- Relative Density Control Testing in accordance with AS1289 – Testing of Soils for Engineering Purposes and at frequencies required in AS3798 Table 8.1.
- Earthworks Notes on MIR-0904-C210-B Drawings.
- Recommendations in Morrison Geotechnic report “Recommended Filling Earthworks Specification” report 16520B, dated 25th June 2020.

2.1 Additional Requirements

All fill at the Site was to be constructed in accordance with the Earthworks Specification as shown on Premise Drawing – MIR009-01-C210 Rev A. The earthworks specification is presented as Figure 4 below.

Figure 4 Earthworks Specification

EARTHWORKS SPECIFICATION

SPECIFICATION	DEPTH RANGE (m)				PAVEMENT SUBGRADE	TRENCH BACKFILL
	0.0 - 0.6	0.6 - 3.00	3.00 - 5.00	> 5.00		
CBR %	-	-	-	-	10	15
LAYER THICKNESS (mm)	300	300	300	300	BETWEEN SUBGRADE AND 0.3m BELOW	300
MAXIMUM PARTICLE SIZE (mm)	200	500	500	500	200	200
% PASSING 37.5mm	80% MIN	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES
% PASSING 0.075mm	30% MIN	REFER NOTES	REFER NOTES	REFER NOTES	REFER NOTES	REFER NOTES AND AS3798
COMPACTION	95% STD	95% STD	95% STD	95% STD	100% STD	95% MOD IN ROADS AND 95% STD OUTSIDE ROADS
MOISTURE	+/- 2% OMC	+/- 2% OMC	+/- 2% OMC	+/- 2% OMC	60% - 90% OF OMC	+/- 2% OMC
<p>NOTES:</p> <ol style="list-style-type: none"> 1. OMC - OPTIMUM MOISTURE CONTENT 2. LAYER OF THICKNESS IS LIMITED TO 300mm TO ALLOW IDENTIFICATION OF LARGER PARTICLES AND ALLOW EVERY CHANCE OF BREAK DOWN IN FILLING OR REMOVAL. 3. TREATMENT OF ROCK TO SIZES ABOVE SHOULD BE CARRIED OUT IN CUT PRIOR TO LOADING TO FILL AREAS. TREATED ROCK TO BE APPROVED BY GITA PRIOR TO TRANSPORTING. 4. UPPER 0.6m, (PARTICULARLY IN AREAS OF DEEP FILL), OF THE FILL PROFILE TO BE RELATIVELY IMPERMEABLE HENCE INCREASE IN FINES COMPONENT. 5. PROOF ROLL TESTING ON EACH COMPACTED LAYER USING RUBBER WHEELED PLANT SUCH AS LOADED ADT'S OR LOADED SCRAPERS. UNFAVOURABLE DEFORMATION OF THE COMPACTED SURFACE UNDER LOAD OF ADT'S OR SCRAPERS WILL REQUIRE REPAIR PRIOR TO ADDITIONAL PLACEMENT. 6. MECHANICAL INTERLOCK METHODOLOGY IS NOT APPROPRIATE DUE TO POOR DURABILITY OF SITE WON SANDSTONE. FILL COMPOSITION IS REQUIRED TO INCLUDE AN APPROPRIATE SAND GRAVEL AND FINES COMPONENT CONFORMING TO THE REQUIREMENTS OF AS798. <p>KEY OUTCOMES FOR EARTHWORKS OPERATIONS</p> <ol style="list-style-type: none"> 1. DELIVER RESIDENTIAL LOTS WITH FAVOURABLE LOT CLASSIFICATIONS - I.E - NO P CLASSIFICATIONS 2. FILL THICKNESS DOES NOT VARY MORE THAN 2m OVER A DISTANCE OF 10m 3. CONSTRUCT FILL AND LIMIT LONG TERM CREEP SETTLEMENTS TO WITHIN 0.5% TO 1.0% OF THE FILL THICKNESS 4. BUILDING PLATFORM THAT ALLOWS BUILDERS TO CONSTRUCT SLAB ON GROUND RAFTS USING LIGHT EARTHMOVING EQUIPMENT 5. MATERIAL WON FROM CUTS AND USED IN FILL WITH REQUIRE <ul style="list-style-type: none"> • CUTS IN ROCK AS WELL AS BLENDED WITH • CUTS IN FINER MATERIALS SUCH AS SANDS AND CLAYS 6. CREATING A FILL PLATFORM THAT IS ABLE TO BE TESTED IN ACCORDANCE WITH AS3798 AND AS1289 						

Lots and pavements where rock of medium strength or stronger was exposed at the final cut earthworks levels, were cut to a depth of approximately 0.6m below the final earthworks levels. The excavated rock was then replaced with fill materials compliant with the specification requirements for materials within the 0.0m to 0.6m depth range as described in Figure 4 and compacted accordingly.

3.0 METHODOLOGY

Earthworks Inspections and Testing was carried out on the stripped ground surfaces and during the placement and compaction of fill materials.

Field and laboratory testing included walk over assessments of the existing ground conditions, proof roll testing of the fill foundations, observations of filling and compaction activities and compaction testing.

3.1 Stripped Surface Assessment

The fill areas covered by this report were stripped and cleared of visible loose materials, vegetation, and topsoil.

Materials exposed after stripping and that formed the fill foundation can be broadly summarised as:

- Natural - Silty Sand (SM) – at least dense, fine to medium grained sands, traces of low plasticity fines, grey – brown and moist.
- Natural – Sandy Clay (CI) – at least very stiff, medium plasticity, fine to medium grained sand, pale brown mottled orange and moist.
- Bedrock – Sandstone (XW-HW) – extremely to highly weathered, very low to low strength, orange – yellow brown
- Bedrock – Sandstone (MW-SW) – moderately to slightly weathered, medium, high, and very high strength, yellow grey, and pale grey

Following the stripped surface assessment of the fill areas, the foundation was approved for filling using the following process:

- Walk over assessments confirming that a competent natural foundation had been exposed.
- Proof roll testing using a large sized truck carrying out multiple passes confirming no movement of the exposed natural foundation.

A photo showing a typical stripped surface is given in Picture 1.

Picture 1: View of The Site During Stripping Operations



3.2 Filling Operations

Fill materials were sourced onsite and can be broadly summarised as: -

- Onsite Gravelly Sandy Clay (CI), medium plasticity fines, fine to coarse sand, fine to coarse gravel, yellow - brown and moist.
- Ripped Sandstone with engineering properties of Gravelly Clayey Sand (SC), fine to coarse sand, fine to coarse gravel, low to medium plasticity fines with cobbles up to 200mm max.
- Blasted Sandstone with engineering properties of Gravelly Clayey Sand (SC), fine to coarse sand, fine to coarse gravel, low to medium plasticity fines with cobbles up to 200mm max.

Ripping operations were required to loosen high and very high strength sandstone. Ripped rock was then processed using mechanical crushing plant.

The methodology for the rock crushing operations can be broadly summarised as:

- Large rock fragments were broken down by an excavator with a hammer attachment to sizes acceptable for the mechanical crushing plant.
- Mechanical crushing to reduce rock fragments to 200mm size or less.
- Mixing crushed product with onsite materials using a front-end loader and placed into stockpiles assessed to be suitable for filling and earthworks operations.

Placement and compaction of the fill materials was carried out using the following plant:

- Water Carts
- Pad Foot Roller
- Dozers
- Excavators
- Grader
- Front End Loader
- Cat 825 Compactor
- Articulated Dump Truck's
- Mechanical Rock Crusher's

The fill materials were moisture conditioned at the fill source and during placement to moisture contents suitable for compaction. Deleterious materials such as organics, sticks, roots and over size particles were sorted and removed during placement or were rejected for use. The specification allows for a maximum particle size of 200mm. These occasional oversize particles are not considered to affect the fill as a mass.

Placement of the fill materials was carried out in layers appropriate for the above plant and compacted using the above plant carrying out multiple passes.

Our representative observed the filling process as described above which was assessed to be consistent for the entire thickness of fill.

Field density tests and laboratory compactions were carried out on the fill materials in accordance with Table 5.1 and 8.1 of AS3798 2007 (Guidelines on Earthworks for Commercial and Residential Developments) and tested to AS1289 test methods (Testing of Soils for Engineering Purposes).

Testing achieved the required specification of 95% of the Standard Maximum Dry Density (SMDD) at the test locations.

Fill placed and compacted at measured density ratios less than 95% was tined, moisture conditioned and re-compacted until the required specification was achieved. Retesting was carried out using Random Stratified Location methods.

The Location of the field density tests are shown on the Site Plan contained in Appendix A. These test locations and levels were not obtained by survey and therefore should only be considered as approximate.

Photos showing the general earthworks operations are given in Pictures 2 to 4.

Picture 2: View of the Crushing Operation and Produced Product



Picture 3: View of the Site During Construction



Picture 4: View of the Site During Construction



4.0 STATEMENT OF COMPLIANCE

Our representatives observed the relevant earthworks operations including the stripped surface, fill placement and compaction operations and carried out field density tests and laboratory compaction tests in accordance with the required standard (AS3798, AS1289). Testing achieved the required specification of 95% SMDD at the test locations.

Level One Inspection and Testing has been carried out on the filling operation and limited to the extent shown in Figures 3A and 3B. Based on the observations made by our Geotechnicians and the results of the field and laboratory tests, the placed and compacted fill at the above project has, as far as we have been able to assess, been constructed in general accordance with the intent of AS3798.

The fill can be deemed to be “controlled” in accordance with AS2870.

5.0 EXCLUSIONS

This statement does not include any topsoil, which may be placed for use as dressing, trench backfill, areas outside the areas shown in Figures 3A and 3B or any other subsequent earthworks after 19 April 2023.

Assessments of material quality such as soaked CBR and site classifications are excluded from this commission.

Our on-site attendance specifically excludes assessments of fill material quality and engineering properties that are outside the requirements of AS3798 – 2007.

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.

6.0 LIMITATIONS

This Report has been prepared by Morrison Geotechnic Pty Ltd (**Morrison Geotechnic**) and may include contributions from Morrison Geotechnic’s officers and employees, sub-contractors, sub-consultants, or agents (**Contributors**).

This Report is for the sole benefit and use of Shadforth Civil Pty Ltd (**Client**), its designers, clients, and relevant statutory authorities for the sole purpose of providing geotechnical advice and recommendations in respect of the Bulk Earthworks Filling Operations at Precinct 9.5, Everleigh Estate (**Project**). The Report is only intended to address those issues expressly described in the Brief/ Work Instructions in this Report.

This Report should not be used or relied upon for any other purpose without Morrison Geotechnic’s prior written consent. Morrison Geotechnic and the Contributors do not accept any responsibility or liability in any way whatsoever for the use or reliance of this Report by anyone other than Shadforth Civil Pty Ltd (**Client**), its designers, its clients, and relevant statutory authorities or by anyone else for any purpose other than that for which it has been prepared.

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- (a) released to any other party, whether in whole or in part (other than to the Client’s officers, employees, advisers, designers, clients, and relevant statutory authorities).
- (b) used or relied upon by any other party.

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The information (including technical information and information obtained through discussions) on which this report is based has been provided by the Client and third parties. Morrison Geotechnic and the Contributors:

- (a) have relied upon and presumed the accuracy of this information.
- (b) have not verified the accuracy or reliability of this information (other than as expressly stated in this Report).
- (c) have not made any independent investigations or enquiries in respect of those matters of which it has no actual knowledge at the time of giving this Report to the Client; and
- (d) make no warranty or guarantee, expressed or implied, as to the accuracy or reliability of this information.

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- (a) is not an environmental, contamination or hazardous materials assessment; may be invalid, incomplete, or inaccurate (including errors in the scope of work, investigation methodology, observations, opinions, and advice) where the information provided to Morrison Geotechnic was invalid, incomplete, or inaccurate.
- (b) is limited to observations of those parts of the site described in Section 1.0.

No warranty or guarantee, whether express or implied, is made in respect of the geotechnical data, information, advice, opinions, and recommendations present in this Report.

If further information becomes available, or additional assumptions need to be made, Morrison Geotechnic reserves its right to amend this Report.

If you have any queries regarding the above, please contact our Gold Coast office.

Yours sincerely,



TOM TAYLOR
For and on behalf of
MORRISON GEOTECHNIC



SIMON WYNNE (RPEQ 17390)
For and on behalf of
MORRISON GEOTECHNIC

ATTACHMENTS:

- Appendix A – Site Plans Showing Test Locations
- Appendix B – Laboratory Test Results Reports
- Appendix C – Particle Size Distribution Report



Appendix A

Site Plan & Test Locations

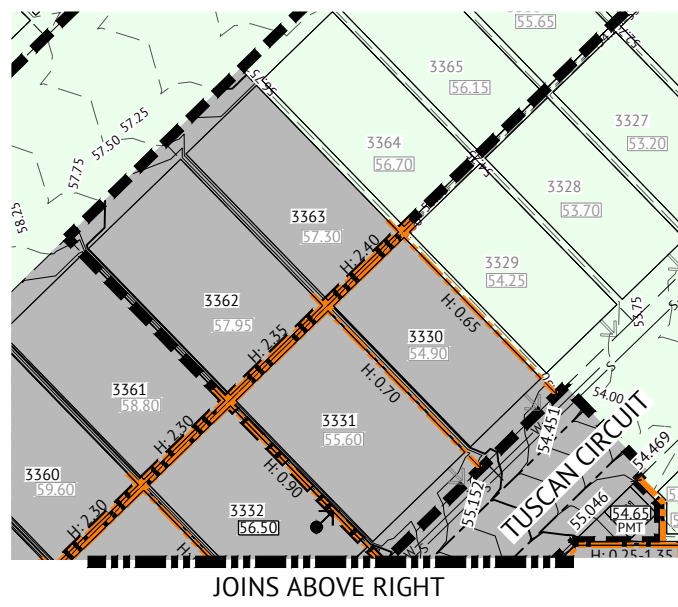
MORRISON GEOTECHNIC



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GEOTECHNIC



EVERLEIGH PRECINCT 9.5 - LEVEL 1 TESTS



JOINS ABOVE RIGHT

JOINS ABOVE LEFT

JOINS SHEET 2

LAYOUT PLAN
SCALE 1:500

LEGEND - PROPOSED

- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- FINISHED SURFACE LEVEL
- PROPOSED CONCRETE SLEEPER RETAINING WALL (AND HEIGHT). TIMBER TEXTURED SLEEPERS AND 2 COAT TEXTURED PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- PROPOSED CONCRETE PANEL RETAINING WALL (AND HEIGHT). 2 COAT TEXTURED PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- FEATURE FENCE ON TOP OF RETAINING WALL BY LANDSCAPER
- FOOTPATH SPOT LEVEL
- ZERO LOT LINE
- DRIVEWAY LOCATION
- PAD MOUNTED TRANSFORMER
- STAGE BOUNDARY

LEGEND - EXISTING

- EXISTING RETAINING WALL
- EXISTING CONTOURS (0.50m)
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING WATER
- VEGETATION CLEARING EXTENT

NOTES

1. REFER TO BULK EARTHWORKS NOTES & DETAILS DRAWINGS FOR:
 - EARTHWORKS NOTES AND DETAILS
 - RETAINING WALL NOTES AND DETAILS
2. PROPOSED SERVICES ARE WITHIN THE VICINITY OF RETAINING WALLS. REFER SERVICE DRAWINGS FOR SERVICE LOCATIONS AND DETAILS.
3. EXISTING DWELLINGS, FENCES ETC TO BE DEMOLISHED AND REMOVED OFF SITE BY OTHERS (UNLESS NOTED OTHERWISE)
4. FINAL RETAINING WALL TYPES AND FINISHES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO CONSTRUCTION.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	LI	PB
11/11/2022	B	ISSUED FOR CONSTRUCTION	LI	PB
12/01/2022	A	ISSUED FOR APPROVAL	KK	PB
			REC	APP

Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

DESIGNED
KLYNT KIWANG
 CHECKED
ANDREW LANGDON
 PROJECT MANAGER
LAURA CLIFFORD
 PROJECT DIRECTOR

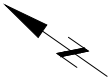
 PATRICK BRADY RPEQ 7112

SCALE

 SCALE 1:500 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
BULK EARTHWORKS LAYOUT PLAN - SHEET 1

JOB CODE
MIR-0905
 SHEET NUMBER
C200
 REV
B

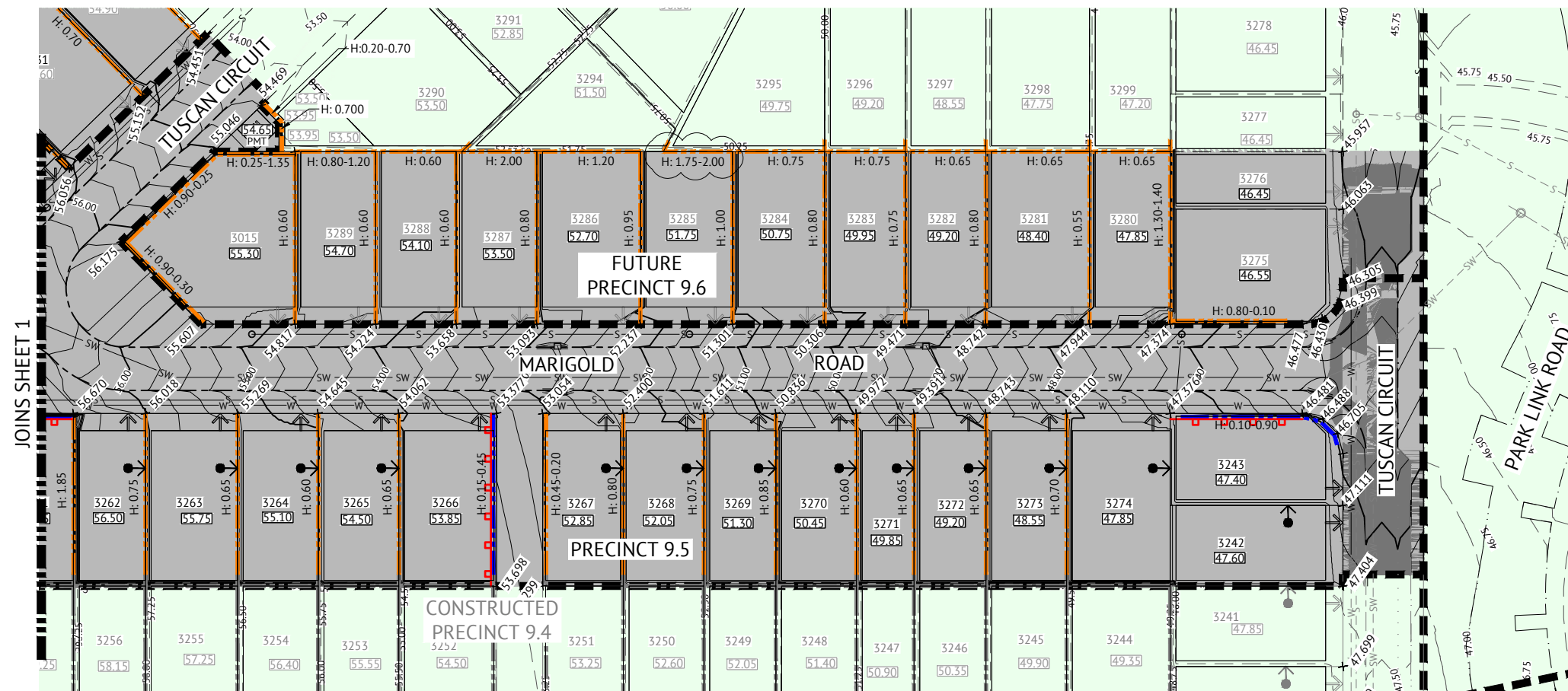


LEGEND - PROPOSED

- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- FINISHED SURFACE LEVEL
- PROPOSED CONCRETE SLEEPER RETAINING WALL (AND HEIGHT). TIMBER TEXTURED SLEEPERS AND 2 COAT PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- PROPOSED CONCRETE PANEL RETAINING WALL (AND HEIGHT). 2 COAT TEXTURED PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- FEATURE FENCE ON TOP OF RETAINING WALL BY LANDSCAPER
- FOOTPATH SPOT LEVEL
- ZERO LOT LINE
- DRIVEWAY LOCATION
- PMT
- STAGE BOUNDARY

LEGEND - EXISTING

- EXISTING RETAINING WALL
- EXISTING CONTOURS (0.50m)
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING WATER
- VEGETATION CLEARING EXTENT



LAYOUT PLAN
SCALE 1:500

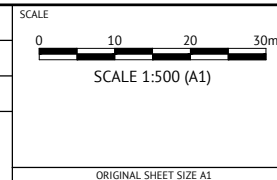
• FOR TYPICAL SECTIONS AND NOTES REFER TO EARTHWORKS NOTES AND DETAILS
• REFER TO DRAWING No. C200 FOR LEGEND.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	LI	PB
11/11/2022	B	RETAINING WALL HEIGHT UPDATED	LI	PB
12/01/2022	A	ISSUED FOR APPROVAL	KK	PB
			REC	APP

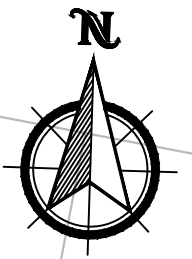
Premise
BRISBANE OFFICE
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WEB: www.premise.com.au

DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
LAURA CLIFFORD
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112



CLIENT
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EVERLEIGH PRECINCT 9.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
BULK EARTHWORKS LAYOUT PLAN - SHEET 2

JOB CODE
MIR-0905
SHEET NUMBER
C201
REV
B



Conformance Results FSL -100 +/-50
GREEN = IN TOLERANCE
BLUE = LOW
RED = HIGH

ISSUE	DATE	AUTHOR	COMMENTS

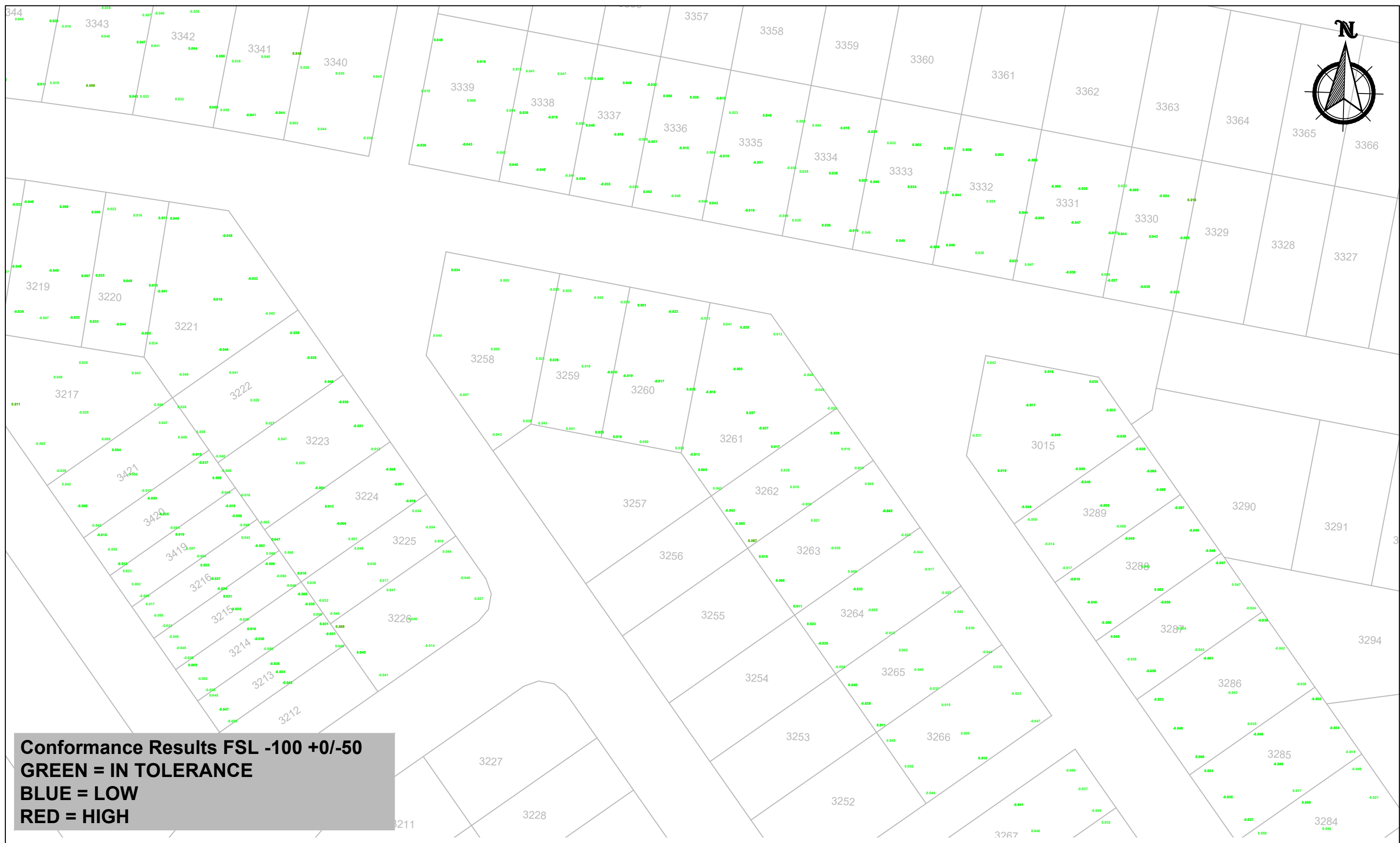
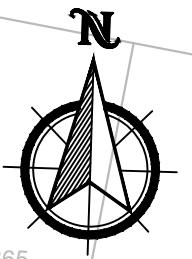


99 Sandalwood Lane, Forest Glen QLD 4556
 P: 07 5438 3300 ▶ F: 07 5438 3388 ▶ E: admin@shadforth.com.au

DRAWING TITLE	100 Below Lot Conformance
CLIENT	-
PROJECT	Everleigh Precinct 905

ASSOCIATE CONSULTANT	-
LOCAL GOVERNMENT	-
SCALE	-

DATUM	N/A
LEVEL ORIGIN	N/A
CONTOUR INTERVAL	N/A
DRAWN	DT
CHECKED	DATE 31/03/2023
SHEET N°	1 OF 1
PLAN NUMBER	REVISION
-	-



Conformance Results FSL -100 +0/-50
GREEN = IN TOLERANCE
BLUE = LOW
RED = HIGH

ISSUE	DATE	AUTHOR	COMMENTS



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DRAWING TITLE	100 Below Lot Conformance
CLIENT	-
PROJECT	Everleigh Precinct 9o5

ASSOCIATE CONSULTANT	-
LOCAL GOVERNMENT	-
SCALE	-

DATUM	
LEVEL ORIGIN	N/A
CONTOUR INTERVAL	N/A
DRAWN	DT
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SHEET N°	1 OF 1
PLAN NUMBER	REVISION
-	-



Conformance Results FSL -100 +/-50
GREEN = IN TOLERANCE
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CLIENT	-
PROJECT	Everleigh Precinct 9o5

ASSOCIATE CONSULTANT	-
LOCAL GOVERNMENT	-
SCALE	-

DATUM	
LEVEL ORIGIN	N/A
CONTOUR INTERVAL	N/A
DRAWN	DT
CHECKED	DATE 31/03/2023
SHEET N°	1 OF 1
PLAN NUMBER	REVISION -



Conformance Results FSL -600 +0.05 /- 0.1

ISSUE	DATE	AUTHOR	COMMENTS



99 Sandalwood Lane, Forest Glen QLD 4556
 P: 07 5438 3300 > F: 07 5438 3388 > E: admin@shadcivil.com.au

DRAWING TITLE	600 Below Lot Conformance
CLIENT	-
PROJECT	Everleigh Precinct 9o5

ASSOCIATE CONSULTANT	-
LOCAL GOVERNMENT	-
SCALE	-

DATUM	LEVEL ORIGIN	N/A
	CONTOUR INTERVAL	N/A
	DRAWN	CA
	CHECKED	DATE
	SHEET N°	3 OF 3
	PLAN NUMBER	REVISION
		-



Appendix B



Laboratory Test Reports

MORRISON GEOTECHNIC





MORRISON
GEOTECHNIC



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth				Report Number :	SR/PTP/10047 - 8/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD				Report Date :	9/09/2022
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks				Test Request :	-
Project Number :	PTP/10047				Page 1 of 1	
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/150721	S/150722	S/150723	S/150724	S/150725	
Date Tested :	12/08/2022	12/08/2022	12/08/2022	12/08/2022	12/08/2022	
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	
For use as :	Allotment Fill	Allotment Fill	Allotment Fill	Allotment Fill	Allotment Fill	
Test / Layer Depths :	275 / 300	275 / 300	275 / 300	275 / 300	275 / 300	
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	
Time :	10:03	10:07	10:11	10:21	10:27	
Lot Number :	Lot 3332	Lot 3331	Lot 3015	Lot 3289	Lot 3288	
Location 1 :	11m From Front Lot Boundary	7m From Front Lot Boundary	14m From Front Lot Boundary	13m From Front Lot Boundary	6m From Rear Lot Boundary	
Location 2 :	4.5m From Left Lot Boundary	3m From Left Lot Boundary	12m From Right Lot Boundary	6m From Right Lot Boundary	6m From Right Lot Boundary	
Location 3 :	RL 54.8	RL 53.9	RL 53.02	RL 54.9	RL 55.6	
Location 4 :	-	-	-	-	-	
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	
Oversize Wet :	1%	10%	6%	17%	1%	
Oversize Density - Dry (t/m ³) :	2.38	2.34	2.35	2.39	2.41	
Assigned MDR (Yes/No) :	No	No	No	No	No	
MDR Sample Number :	S/150721	S/150722	S/150723	S/150724	S/150725	
MDR Test Date :	6/09/2022	6/09/2022	6/09/2022	6/09/2022	6/09/2022	
Compaction Type :	Standard	Standard	Standard	Standard	Standard	
Soil Description :	Sandy Clay - Brown	Sandy Clay - Brown	Sandy Clay - Brown	Sandy Clay - Brown	Sandy Clay - Brown	
MDR Test Results						
PCWD (t/m ³) :	2.13	2.16	2.19	2.17	2.20	
Moisture Variation :	-1.5%	-1.5%	-2.0%	-1.5%	-1.5%	
ADJ PCWD (t/m ³) :	2.13	2.18	2.20	2.21	2.20	
ADJ Moisture Variation :	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	
Moisture Test Results :						
Field Moisture Content :	15.5%	12.5%	11.0%	11.0%	12.5%	
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	
Variation from OMC :	1.5% Wet of OMC	1.5% Wet of OMC	1.5% Wet of OMC	1.5% Wet of OMC	1.5% Wet of OMC	
Relative Moisture Ratio (Q250) :	-	-	-	-	-	
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	
Density Test Results						
Field Wet Density (t/m ³) :	2.05	2.08	2.19	2.20	2.25	
Density Specification :	95%	95%	95%	95%	95%	
Wet Density Ratio :	96.0%	96.0%	99.0%	99.5%	102.0%	
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				APPROVED SIGNATORY  Samuel Bamford - Signatory		



Dry Density / Moisture Ratio Report

Client :	Shadforth			Report Number :	SR/PTP/10047 - 7/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	8/09/2022	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	44795	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.1.1,					
Sample Number :	S/153078	S/153079	S/153080			
Date Tested :	22/08/2022	22/08/2022	22/08/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	Allotment Fill	Allotment Fill	Allotment Fill			
Test / Layer Depths :	275 / 300	275 / 300	275 / 300			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	10:28	10:32	10:38			
Lot Number :	3267	3268	3269			
Location 1 :	9m from Front Lot Boundary	5m from Front Lot Boundary	8.5m from Front Lot Boundary			
Location 2 :	6m from Right Lot Boundary	6m from Right Lot Boundary	5m from Right Lot Boundary			
Location 3 :	RL: 52.7	RL: 52.3	RL: 51.9			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	5%	4%	8%			
Oversize Dry :	6%	4%	8%			
Oversize Density - Dry (t/m ³) :	2.52	2.52	2.48			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/153078	S/153079	S/153080			
MDR Test Date :	24/08/2022	23/08/2022	25/08/2022			
Soil Description :	Gravelly Sandy Clay	Gravelly Sandy Clay	Gravelly Sandy Clay			
MDR Test Results						
MDD (t/m ³) :	1.95	1.86	1.98			
OMC :	14.5%	15.0%	12.0%			
ADJ MDD (t/m ³) :	1.97	1.88	2.02			
ADJ OMC :	14.0%	14.5%	11.0%			
Moisture Test Results :						
Field Moisture Content :	14.5%	14.5%	12.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	0.5% Wet of OMC	0.0% Dry of OMC	1.5% Wet of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	103.0%	100.0%	112.5%			
Density Test Results						
Field Dry Density (t/m ³) :	1.90	1.84	1.97			
Density Specification :	95%	95%	95%			
Dry Density Ratio :	96.0%	97.5%	97.5%			
-						
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <small>WORLD RECOGNISED ACCREDITATION</small>	<small>Note: The results contained in this report relate only to the item/s that were tested/sampled</small> Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast			APPROVED SIGNATORY  Samuel Bamford - Signatory		
	Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208					



Dry Density / Moisture Ratio Report

Client :	Shadforth			Report Number :	SR/PTP/10047 - 11/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	14/09/2022	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.1.1,					
Sample Number :	S/153854	S/153855	S/153856			
Date Tested :	25/08/2022	25/08/2022	25/08/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	Allotment Fill	Allotment Fill	Allotment Fill			
Test / Layer Depths :	275 / 300	275 / 300	275 / 300			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	13:15	13:18	13:21			
Lot Number :	Lot 3333	Lot 3332	Lot 3331			
Location 1 :	7m Front of Lot Boundary	9m Front of Lot Boundary	10.5m Front of Lot Boundary			
Location 2 :	4m Right of Lot Boundary	5m Right of Lot Boundary	6m Right of Lot Boundary			
Location 3 :	RL: 56.6	RL: 55.6	RL: 56.2			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	0%	0%	0%			
Oversize Dry :	0%	0%	0%			
Oversize Density - Dry (t/m ³) :	-	-	-			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/153854	S/153855	S/153856			
MDR Test Date :	26/08/2022	27/08/2022	26/08/2022			
Soil Description :	Sandy Clay with Gravel	Sandy Clay with Gravel	Sandy Clay with Gravel			
<i>MDR Test Results</i>						
MDD (t/m ³) :	1.90	1.93	1.91			
OMC :	14.0%	13.5%	13.5%			
ADJ MDD (t/m ³) :	-	-	-			
ADJ OMC :	-	-	-			
<i>Moisture Test Results</i>						
Field Moisture Content :	13.5%	14.0%	15.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	0.5% Dry of OMC	0.0% Wet of OMC	1.5% Wet of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	96.0%	101.5%	112.0%			
<i>Density Test Results</i>						
Field Dry Density (t/m ³) :	1.89	1.95	1.87			
Density Specification :	95%	95%	95%			
Dry Density Ratio :	99.0%	101.5%	98.0%			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p style="font-size: small;">Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  Samuel Bamford - Signatory		



Dry Density / Moisture Ratio Report

Client :	Shadforth			Report Number :	SR/PTP/10047 - 12/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	14/09/2022	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.1.1,					
Sample Number :	S/154345	S/154346	S/154347			
Date Tested :	26/08/2022	26/08/2022	26/08/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	Level 1 Fill	Level 1 Fill	Level 1 Fill			
Test / Layer Depths :	150 / -	150 / -	150 / -			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	09:15	10:30	11:25			
Lot Number :	Stage 9.4	Stage 9.4	Stage 9.4			
Location 1 :	Lot 3225	Lot 3204	Lot 3234			
Location 2 :	E: 9144.10	E: 9147.73	E: 9158.03			
Location 3 :	N: 31893.43	N: 31879.91	N: 31889.11			
Location 4 :	RL: 51.23	RL: 50.55	RL: 50.37			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Enlarge Wet :	0%	0%	0%			
Enlarge Dry :	0%	0%	0%			
Enlarge Density - Dry (t/m ³) :	-	-	-			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/154345	S/154346	S/154347			
MDR Test Date :	27/08/2022	27/08/2022	27/08/2022			
Soil Description :	Sandy Clay	Sandy Clay	Sandy Clay			
<i>MDR Test Results</i>						
MDD (t/m ³) :	1.75	1.79	1.77			
OMC :	13.0%	12.5%	12.5%			
ADJ MDD (t/m ³) :	-	-	-			
ADJ OMC :	-	-	-			
<i>Moisture Test Results :</i>						
Field Moisture Content :	13.5%	13.5%	11.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	0.5% Wet of OMC	1.0% Wet of OMC	1.5% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	103.5%	107.5%	89.0%			
<i>Density Test Results</i>						
Field Dry Density (t/m ³) :	1.72	1.81	1.73			
Density Specification :	95%	95%	95%			
Dry Density Ratio :	98.5%	101.0%	98.0%			
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :	Locations provided by compactor on-site.					
 <small>WORLD RECOGNISED ACCREDITATION</small>	<small>Note: The results contained in this report relate only to the item/s that were tested/sampled</small> Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast			APPROVED SIGNATORY  Samuel Bamford - Signatory		
	Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208					



Dry Density / Moisture Ratio Report

Client :	Shadforth			Report Number :	SR/PTP/10047 - 3/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	6/09/2022	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.1.1,					
Sample Number :	S/154843	S/154844	S/154845			
Date Tested :	30/08/2022	30/08/2022	30/08/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	Allotment Fill	Allotment Fill	Allotment Fill			
Test / Layer Depths :	275 / 300	275 / 300	275 / 300			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	14:31	14:39	14:46			
Lot Number :	3361	3362	3363			
Location 1 :	10m from Front Lot Boundary	8m from Front Lot Boundary	11m from Front Lot Boundary			
Location 2 :	4m from Right Lot Boundary	6m from Right Lot Boundary	5m from Right Lot Boundary			
Location 3 :	RL: 56.9	RL: 56.4	RL: 55.9			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	5%	5%	7%			
Oversize Dry :	5%	6%	8%			
Oversize Density - Dry (t/m ³) :	2.50	2.53	2.49			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/154843	S/154844	S/154845			
MDR Test Date :	2/09/2022	1/09/2022	2/09/2022			
Soil Description :	Gravelly Sandy Clay	Gravelly Sandy Clay	Gravelly Sandy Clay			
<i>MDR Test Results</i>						
MDD (t/m ³) :	1.97	1.89	1.92			
OMC :	12.0%	11.5%	10.0%			
ADJ MDD (t/m ³) :	2.00	1.92	1.96			
ADJ OMC :	11.5%	11.0%	9.5%			
<i>Moisture Test Results :</i>						
Field Moisture Content :	10.0%	11.0%	9.5%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	1.5% Dry of OMC	0.0% Wet of OMC	0.5% Wet of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	85.5%	101.5%	104.0%			
<i>Density Test Results</i>						
Field Dry Density (t/m ³) :	2.03	1.95	1.93			
Density Specification :	95%	95%	95%			
Dry Density Ratio :	102.0%	101.0%	99.0%			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p style="font-size: small;">Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>	APPROVED SIGNATORY  Samuel Bamford - Signatory					
	Document Number : RF1 Date : 12/04/2022					



Dry Density / Moisture Ratio Report

Client :	Shadforth			Report Number :	SR/PTP/10047 - 19/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	23/09/2022	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.1.1,					
Sample Number :	S/156523	S/156524	S/156525			
Date Tested :	8/09/2022	8/09/2022	8/09/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	Allotment Fill	Allotment Fill	Allotment Fill			
Test / Layer Depths :	275 / 300	275 / 300	275 / 300			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	11:01	11:08	11:16			
Lot Number :	3217	3219	3221			
Location 1 :	E: 499019	E: 499028	E: 499053			
Location 2 :	N: 6932049	N: 6932029	N: 6932046			
Location 3 :	RL: 62.7	RL: 61.0	RL: 61.9			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Enlarge Wet :	4%	4%	4%			
Enlarge Dry :	4%	4%	5%			
Enlarge Density - Dry (t/m ³) :	2.42	2.39	2.43			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/156523	S/156524	S/156525			
MDR Test Date :	10/09/2022	9/09/2022	11/09/2022			
Soil Description :	Gravelly Sandy Clay	Gravelly Sandy Clay	Gravelly Sandy Clay			
<i>MDR Test Results</i>						
MDD (t/m ³) :	2.00	2.00	2.01			
OMC :	11.0%	11.0%	10.0%			
ADJ MDD (t/m ³) :	2.02	2.01	2.02			
ADJ OMC :	10.5%	11.0%	9.5%			
<i>Moisture Test Results :</i>						
Field Moisture Content :	10.0%	9.5%	9.5%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	0.5% Dry of OMC	1.0% Dry of OMC	0.5% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	95.5%	89.5%	96.0%			
<i>Density Test Results</i>						
Field Dry Density (t/m ³) :	2.01	1.99	2.00			
Density Specification :	95%	95%	95%			
Dry Density Ratio :	100.0%	98.5%	99.0%			
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				APPROVED SIGNATORY  Samuel Bamford - Signatory		

Dry Density / Moisture Ratio Report

Client :	Shadforth					Report Number :	SR/PTP/10047 - 22/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD					Report Date :	29/09/2022
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks					Test Request :	-
Project Number :	PTP/10047					Page 1 of 1	
Location :	Greenbank						
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.1.1,						
Sample Number :	S/159797	S/159798	S/159799	S/159800	S/159801		
Date Tested :	26/09/2022	26/09/2022	26/09/2022	26/09/2022	26/09/2022		
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite		
For use as :	Allotment Fill	Allotment Fill	Allotment Fill	Allotment Fill	Allotment Fill		
Test / Layer Depths :	275 / 300	275 / 300	275 / 300	275 / 300	275 / 300		
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b		
Time :	10:28	10:36	10:43	10:52	10:58		
Lot Number :	Precinct 9.5	Precinct 9.5	Precinct 9.5	Precinct 9.4	Precinct 9.4		
Location 1 :	E: 499017	E: 499040	E: 499050	E: 499136	E: 499124		
Location 2 :	N: 6932056	N: 6932041	N: 6932016	N: 6932019	N: 6932004		
Location 3 :	RL: 61.94	RL: 61.52	RL: 61.1	0.6m Below Finish Level	0.3m Below Subgrade		
Location 4 :	-	-	-	-	-		
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm		
Oversize Wet :	3%	3%	3%	4%	5%		
Oversize Dry :	4%	4%	3%	5%	5%		
Oversize Density - Dry (t/m ³) :	2.48	2.52	2.48	2.54	2.52		
Assigned MDR (Yes/No) :	No	No	No	No	No		
MDR Sample Number :	S/159797	S/159798	S/159799	S/159800	S/159801		
MDR Test Date :	28/09/2022	28/09/2022	28/09/2022	28/09/2022	28/09/2022		
Soil Description :	Gravelly Sandy Clay	Gravelly Sandy Clay	Gravelly Sandy Clay	Gravelly Sandy Clay	Gravelly Sandy Clay		
MDR Test Results							
MDD (t/m ³) :	1.88	1.89	2.09	1.98	1.96		
OMC :	17.5%	17.5%	11.5%	12.0%	9.5%		
ADJ MDD (t/m ³) :	1.90	1.91	2.10	2.00	1.98		
ADJ OMC :	16.5%	17.0%	11.5%	11.0%	9.0%		
Moisture Test Results :							
Field Moisture Content :	16.0%	17.5%	9.5%	10.5%	7.0%		
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC		
Variation from OMC :	0.5% Dry of OMC	0.5% Wet of OMC	1.5% Dry of OMC	1.0% Dry of OMC	2.0% Dry of OMC		
Relative Moisture Ratio (Q250) :	-	-	-	-	-		
Moisture Ratio :	96.0%	103.5%	84.5%	91.5%	76.0%		
Density Test Results							
Field Dry Density (t/m ³) :	1.83	1.84	2.02	2.00	2.01		
Density Specification :	95%	95%	95%	95%	95%		
Dry Density Ratio :	96.5%	96.5%	96.5%	100.0%	101.5%		
Soil Particle Density (APD) t/m ³ :							
Soil Particle Density (APD) Date :							
Remarks :							
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  Samuel Bamford - Signatory			

Dry Density / Moisture Ratio Report

Client :	Shadforth			Report Number :	SR/PTP/10047 - 25/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	18/10/2022	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.1.1,					
Sample Number :	S/160876	S/160877	S/160878			
Date Tested :	30/09/2022	30/09/2022	30/09/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	150 / -	150 / -	150 / -			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	14:18	14:36	14:50			
Lot Number :	-	-	-			
Location 1 :	Lot 3223	Lot 3224	Lot 3225			
Location 2 :	E: 9078.051	E: 9081.026	E: 9087.896			
Location 3 :	N: 32020.724	N: 32006.047	N: 31999.790			
Location 4 :	RL: 60.57	RL: 59.93	RL: 59.41			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Enlarge Wet :	0%	0%	0%			
Enlarge Dry :	0%	0%	0%			
Enlarge Density - Dry (t/m ³) :	-	-	-			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/160876	S/160877	S/160878			
MDR Test Date :	1/10/2022	3/10/2022	1/10/2022			
Soil Description :	Sandy Clay	Sandy Clay	Sandy Clay			
<i>MDR Test Results</i>						
MDD (t/m ³) :	1.91	1.95	1.97			
OMC :	16.5%	16.0%	14.0%			
ADJ MDD (t/m ³) :	-	-	-			
ADJ OMC :	-	-	-			
<i>Moisture Test Results :</i>						
Field Moisture Content :	15.5%	14.5%	14.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	1.0% Dry of OMC	1.5% Dry of OMC	0.5% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	94.5%	90.0%	97.5%			
<i>Density Test Results</i>						
Field Dry Density (t/m ³) :	1.89	1.95	1.93			
Density Specification :	95%	95%	95%			
Dry Density Ratio :	99.0%	100.0%	98.0%			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :	Locations given by compactor on site.					
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				APPROVED SIGNATORY  Samuel Bamford - Signatory		

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth	Report Number :	SR/PTP/10047 - 26/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	10/11/2022
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks	Test Request :	-
Project Number :	PTP/10047	Page 1 of 1	
Location :	Greenbank		

Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,		
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Sample Number :	S/161970	S/161971	S/161972		
Date Tested :	6/10/2022	6/10/2022	6/10/2022		
Material Source :	Onsite	Onsite	Onsite		
For use as :	General Fill	General Fill	General Fill		
Test / Layer Depths :	150 / -	150 / -	150 / -		

Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b		
Time :	13:40	13:50	14:00		
Lot Number :	3421	3420	3419		
Location 1 :	E 499041	E 499036	E 499054		
Location 2 :	N 6932022	N 6932006	N 6932007		
Location 3 :	R/L: 66.71	R/L: 60.16	R/L: 59.61		
Location 4 :	-	-	-		

Test Fraction (mm) :	< 19mm	< 19mm	< 19mm		
OverSize Wet :	0%	0%	0%		
OverSize Density - Dry (t/m ³) :	-	-	-		
Assigned MDR (Yes/No) :	No	No	No		
MDR Sample Number :	S/161970	S/161971	S/161972		
MDR Test Date :	9/10/2022	7/10/2022	9/10/2022		
	Standard	Standard	Standard		
Soil Description :	Sandy Clay	Sandy Clay	Sandy Clay		

<i>MDR Test Results</i>					
PCWD (t/m ³) :	2.17	2.18	2.20		
Moisture Variation :	2.0%	0.0%	0.5%		
ADJ PCWD (t/m ³) :	-	-	-		
ADJ Moisture Variation :	-	-	-		

<i>Moisture Test Results :</i>					
Field Moisture Content :	8.0%	11.5%	8.5%		
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC		
Variation from OMC :	2.0% Dry of OMC	0.0% Dry of OMC	0.5% Dry of OMC		
Relative Moisture Ratio (Q250) :	-	-	-		
Moisture Ratio :	N/A	N/A	N/A		



<i>Density Test Results</i>					
Field Wet Density (t/m ³) :	2.22	2.13	2.15		
Density Specification :	95%	95%	95%		
Wet Density Ratio :	102.5%	97.5%	97.5%		

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Soil Particle Density (APD) t/m ³ :					
Soil Particle Density (APD) Date :					



Remarks :					
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 <small>WORLD RECOGNISED ACCREDITATION</small>	<small>Note: The results contained in this report relate only to the item/s that were tested/sampled</small> Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208	APPROVED SIGNATORY  Samuel Bamford - Signatory
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Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 37/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	25/01/2023
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-
Project Number :	PTP/10047			Page 1 of 1	
Location :	Greenbank				
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,				
Sample Number :	S/163742	S/163743	S/163744		
Date Tested :	13/10/2022	13/10/2022	13/10/2022		
Material Source :	Onsite	Onsite	Onsite		
For use as :	General Fill	General Fill	General Fill		
Test / Layer Depths :	150 / 300	150 / 300	150 / 300		
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b		
Time :	12:08	12:16	12:28		
Lot Number :	-	-	-		
Location 1 :	General Fill	General Fill	General Fill		
Location 2 :	E: 499336	E: 499235	E: 499201		
Location 3 :	N: 6932049	N: 6932000	N: 6931967		
Location 4 :	2m BFL	2.2m BFL	1.7m BFL		
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm		
Oversize Wet :	7%	9%	15%		
Oversize Density - Dry (t/m ³) :	2.19	2.20	2.05		
Assigned MDR (Yes/No) :	No	No	No		
MDR Sample Number :	S/163742	S/163743	S/163744		
MDR Test Date :	27/10/2022	26/10/2022	27/10/2022		
Compaction Type :	Standard	Standard	Standard		
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown		
<i>MDR Test Results</i>					
PCWD (t/m ³) :	2.23	2.21	2.17		
Moisture Variation :	0.5%	0.5%	0.5%		
ADJ PCWD (t/m ³) :	2.22	2.21	2.16		
ADJ Moisture Variation :	0.5%	0.5%	0.5%		
<i>Moisture Test Results :</i>					
Field Moisture Content :	9.5%	9.5%	9.0%		
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC		
Variation from OMC :	0.5% Dry of OMC	0.5% Dry of OMC	0.5% Dry of OMC		
Relative Moisture Ratio (Q250) :	-	-	-		
Moisture Ratio :	N/A	N/A	N/A		
<i>Density Test Results</i>					
Field Wet Density (t/m ³) :	2.14	2.18	2.17		
Density Specification :	95%	95%	95%		
Wet Density Ratio :	96.5%	98.5%	100.5%		
Soil Particle Density (APD) t/m ³ :					
Soil Particle Density (APD) Date :					
Remarks :					
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>			<p>APPROVED SIGNATORY</p>  Nick Dobson - Signatory		



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 41/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	25/01/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/164134	S/164135	S/164136			
Date Tested :	14/10/2022	14/10/2022	14/10/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	150 / -	150 / -	150 / -			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	10:49	11:23	13:14			
Lot Number :	-	-	-			
Location 1 :	E: 499292	E: 499223	E: 499269			
Location 2 :	N: 6932064	N: 6931945	N: 6931884			
Location 3 :	2m BFL	FL	FL			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	1%	0%	5%			
Oversize Density - Dry (t/m ³) :	1.15	-	1.15			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/164134	S/164135	S/164136			
MDR Test Date :	31/10/2022	1/11/2022	4/11/2022			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravely Sandy Clay - Brown	Gravely Sandy Clay - Brown	Gravely Sandy Clay - Brown			
MDR Test Results						
PCWD (t/m ³) :	2.11	2.09	2.10			
Moisture Variation :	1.5%	2.0%	0.5%			
ADJ PCWD (t/m ³) :	2.01	-	2.09			
ADJ Moisture Variation :	1.5%	-	0.5%			
Moisture Test Results :						
Field Moisture Content :	10.0%	12.0%	15.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	1.5% Dry of OMC	2.0% Dry of OMC	0.5% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m ³) :	2.12	2.10	2.14			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	105.5%	100.5%	102.0%			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :	Note - density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer					
 <p>Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast</p>			<p>APPROVED SIGNATORY</p>  <p>Nick Dobson - Signatory</p>			



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforths			Report Number :	SR/PTP/10047 - 29/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	9/11/2022	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/166405	S/166406	S/166407			
Date Tested :	26/10/2022	26/10/2022	26/10/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	150 / -	150 / -	150 / -			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	14:15	14:30	15:00			
Lot Number :	3259	3257	3260			
Location 1 :	E: 9129.2	E: 9123.0	E: 9145.3			
Location 2 :	N: 32032.7	N: 32012.3	N: 32032.0			
Location 3 :	RL: 60.48	RL: 59.13	RL: 59.50			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	12%	17%	12%			
Oversize Density - Dry (t/m ³) :	2.63	2.64	2.62			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/166405	S/166406	S/166407			
MDR Test Date :	8/11/2022	8/11/2022	8/11/2022			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravelly Sandy Clay	Gravelly Sandy Clay	Gravelly Sandy Clay			
MDR Test Results						
PCWD (t/m ³) :	2.21	2.10	2.21			
Moisture Variation :	1.0%	1.0%	0.5%			
ADJ PCWD (t/m ³) :	2.25	2.17	2.25			
ADJ Moisture Variation :	0.5%	1.0%	0.5%			
Moisture Test Results :						
Field Moisture Content :	9.0%	8.5%	9.5%			
Moisture Specification :	-	-	-			
Variation from OMC :	0.5% Dry of OMC	1.0% Dry of OMC	0.5% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m ³) :	2.17	2.13	2.15			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	96.5%	98.0%	95.5%			
	-	-	-			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :	AS1289.1.2.1 cl16.4b and AS1289.5.8.1 performed by Protest Gold Coast Accreditation No. 22838					
 <small>WORLD LEADING ACCREDITATION</small>	<small>Note: The results contained in this report relate only to the item/s that were tested/sampled</small> Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Sunshine Coast) Accreditation Number - 20499 Base Laboratory Site Number - 24490 - Sunshine Coast			APPROVED SIGNATORY  Liam Manfield - Signatory		
	Base Laboratory Address - 4/81 Wises Road, BUDERIM, QLD, 4556					



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 39/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	25/01/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/167950	S/167951	S/167952			
Date Tested :	3/11/2022	3/11/2022	3/11/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	150 / -	150 / -	150 / -			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	13:35	13:46	13:50			
Lot Number :	-	-	-			
Location 1 :	E: 499093.82	E: 499113.53	E: 499129.91			
Location 2 :	N: 6931900.70	N: 6931878.37	N: 6931855.7			
Location 3 :	RL: 54.92	RL: 54.00	RL: 53.17			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 37.5mm			
Oversize Wet :	19%	17%	6%			
Oversize Density - Dry (t/m ³) :	2.28	2.29	2.36			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/167950	S/167951	S/167952			
MDR Test Date :	24/11/2022	24/11/2022	25/11/2022			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Sandy Clay - Brown	Gravelly Sandy - Brown	Sandy Gravelly Clay Brown			
MDR Test Results						
PCWD (t/m ³) :	2.07	2.11	2.06			
Moisture Variation :	2.5%	1.5%	2.5%			
ADJ PCWD (t/m ³) :	2.11	2.14	2.07			
ADJ Moisture Variation :	2.0%	1.5%	2.0%			
Moisture Test Results :						
Field Moisture Content :	6.0%	6.5%	6.0%			
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC			
Variation from OMC :	2.0% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m ³) :	2.12	2.24	2.05			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	100.5%	104.5%	99.0%			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  Nick Dobson - Signatory		



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 43/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	3/02/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/167958	S/167959	S/167960			
Date Tested :	4/11/2022	4/11/2022	4/11/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	150 / -	150 / -	150 / -			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	14:24	14:37	14:40			
Lot Number :	-	-	-			
Location 1 :	E: 499104.07	E: 499116.35	E: 499137.20			
Location 2 :	N: 6931890.4	N: 6931874.77	N: 6931849.98			
Location 3 :	RL: 54.83	RL: 53.91	RL: 53.02			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm			
Oversize Wet :	8%	13%	11%			
Oversize Density - Dry (t/m ³) :	3.06	2.79	2.74			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/167958	S/167959	S/167960			
MDR Test Date :	23/11/2022	26/11/2022	25/11/2022			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Sandy Gravelly - Brown	Sandy Clay - Brown	Sandy Gravelly Clay - Brown			
MDR Test Results						
PCWD (t/m ³) :	2.12	2.22	2.01			
Moisture Variation :	2.5%	2.5%	2.5%			
ADJ PCWD (t/m ³) :	2.00	2.28	2.07			
ADJ Moisture Variation :	2.0%	2.0%	2.0%			
Moisture Test Results :						
Field Moisture Content :	3.0%	7.0%	5.5%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m ³) :	2.06	2.22	2.06			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	103.0%	97.0%	99.5%			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>	APPROVED SIGNATORY  Nick Dobson - Signatory					
	Document Number : RF1	Date : 29/08/2022				



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 44/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	3/02/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/168380	S/168386	S/168387			
Date Tested :	7/11/2022	7/11/2022	7/11/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	150 / -	150 / -	150 / -			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	14:10	14:23	14:31			
Lot Number :	3277	3278	3299			
Location 1 :	E: 499278.81	E: 499281.23	E: 499276.24			
Location 2 :	N: 6931850.47	N: 6931860.75	N: 6931870.30			
Location 3 :	RL: 47.44	RL: 47.50	RL: 47.64			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	11%	14%	15%			
Oversize Density - Dry (t/m ³) :	2.33	2.32	2.46			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/168380	S/168386	S/168387			
MDR Test Date :	26/11/2022	25/11/2022	26/11/2022			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Sandy Clay - Brown	Sandy Gravel - Gravel	Sandy Clay - Brown			
<i>MDR Test Results</i>						
PCWD (t/m ³) :	2.04	1.98	1.98			
Moisture Variation :	2.0%	2.0%	2.5%			
ADJ PCWD (t/m ³) :	2.07	2.02	2.04			
ADJ Moisture Variation :	2.0%	2.0%	2.0%			
<i>Moisture Test Results :</i>						
Field Moisture Content :	2.5%	2.5%	6.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
<i>Density Test Results</i>						
Field Wet Density (t/m ³) :	2.08	2.08	2.00			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	100.5%	103.0%	98.0%			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  Nick Dobson - Signatory		



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 46/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	3/02/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/168571	S/168572	S/168573			
Date Tested :	8/11/2022	8/11/2022	8/11/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	150 / -	150 / -	150 / -			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	10:40	10:49	10:55			
Lot Number :	3269	3270	3271			
Location 1 :	E: 499241.49	E: 499255.71	E: 499258.63			
Location 2 :	N: 6931910.44	N: 6931907.44	N: 6931892.58			
Location 3 :	RL: 51.12	RL: 50.31	RL: 49.63			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	6%	18%	12%			
Oversize Density - Dry (t/m ³) :	2.30	2.27	2.28			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/168571	S/168572	S/168573			
MDR Test Date :	1/12/2022	28/11/2022	2/12/2022			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravelly Sandy Clay - Light Grey	Sandy Gravelly - Brown	Sandy Clay - Light Brown			
<i>MDR Test Results</i>						
PCWD (t/m ³) :	2.20	1.98	2.14			
Moisture Variation :	1.5%	2.5%	2.0%			
ADJ PCWD (t/m ³) :	2.21	2.02	2.16			
ADJ Moisture Variation :	1.5%	2.0%	2.0%			
<i>Moisture Test Results :</i>						
Field Moisture Content :	7.0%	5.0%	5.0%			
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC			
Variation from OMC :	1.5% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
<i>Density Test Results</i>						
Field Wet Density (t/m ³) :	2.11	2.15	2.23			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	95.5%	106.0%	103.0%			
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled</p> <p>Accredited for Compliance with ISO/ IEC 17025 - Testing</p> <p>Protest Engineering (Gold Coast) Accreditation Number - 19667</p> <p>Base Laboratory Site Number - 22838 - Gold Coast</p> <p>Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>	<p>APPROVED SIGNATORY</p>  <p>Nick Dobson - Signatory</p>					



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 47/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	3/02/2023
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-
Project Number :	PTP/10047			Page 1 of 1	
Location :	Greenbank				
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,				
Sample Number :	S/169406	S/169407	S/169408		
Date Tested :	10/11/2022	10/11/2022	10/11/2022		
Material Source :	Onsite	Onsite	Onsite		
For use as :	General Fill	General Fill	General Fill		
Test / Layer Depths :	150 / -	150 / -	150 / -		
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b		
Time :	10:30	10:38	10:43		
Lot Number :	3268	3269	3270		
Location 1 :	E: 499246.11	E: 499239.47	E: 499227.17		
Location 2 :	N: 6931909.42	N: 6931923.65	N: 6931933.10		
Location 3 :	RL: 51.95	RL: 51.20	RL: 50.15		
Location 4 :	-	-	-		
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm		
Oversize Wet :	19%	12%	15%		
Oversize Density - Dry (t/m ³) :	2.32	2.32	2.28		
Assigned MDR (Yes/No) :	No	No	No		
MDR Sample Number :	S/169406	S/169407	S/169408		
MDR Test Date :	26/11/2022	24/11/2022	25/11/2022		
Compaction Type :	Standard	Standard	Standard		
Soil Description :	Sandy Clayey Gravel - Brown	Gravelly Sandy - Light Brown	Sandy Clayey Gravel - Brown		
MDR Test Results					
PCWD (t/m ³) :	1.99	2.09	2.06		
Moisture Variation :	2.0%	2.5%	2.5%		
ADJ PCWD (t/m ³) :	2.05	2.11	2.09		
ADJ Moisture Variation :	2.0%	2.0%	2.0%		
Moisture Test Results :					
Field Moisture Content :	3.0%	3.5%	4.0%		
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC		
Variation from OMC :	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC		
Relative Moisture Ratio (Q250) :	-	-	-		
Moisture Ratio :	N/A	N/A	N/A		
Density Test Results					
Field Wet Density (t/m ³) :	2.03	2.03	2.01		
Density Specification :	95%	95%	95%		
Wet Density Ratio :	99.0%	96.0%	96.5%		
Soil Particle Density (APD) t/m ³ :					
Soil Particle Density (APD) Date :					
Remarks :					
 <p>Note: The results contained in this report relate only to the item/s that were tested/sampled Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>			<p>APPROVED SIGNATORY</p>  Nick Dobson - Signatory		

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 80/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	2/03/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 1		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/182367	S/182368	S/182369			
Date Tested :	20/02/2023	20/02/2023	20/02/2023			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	225 / 250	225 / 250	225 / 250			
Sampling Method :	AS1289.1.2.1 - cl6.4a	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	10:33	10:38	10:47			
Lot Number :	3345	3344	3343			
Location 1 :	E: 498990	E: 499004	E: 499019			
Location 2 :	N: 6932092	N: 6932091	N: 6932089			
Location 3 :	RL: 65.36	RL: 65.41	RL: 65.44			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
OverSize Wet :	11%	0%	0%			
OverSize Density - Dry (t/m ³) :	2.26	-	-			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/182367	S/182368	S/182369			
MDR Test Date :	2/03/2023	2/03/2023	2/03/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravelly Sand - Brown	Gravelly Sand - Brown	Gravelly Sand - Brown			
<i>MDR Test Results</i>						
PCWD (t/m ³) :	2.06	2.12	2.10			
Moisture Variation :	2.0%	1.5%	1.0%			
ADJ PCWD (t/m ³) :	2.08	-	-			
ADJ Moisture Variation :	2.0%	-	-			
<i>Moisture Test Results :</i>						
Field Moisture Content :	6.5%	7.5%	7.5%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	2.0% Dry of OMC	1.5% Dry of OMC	1.0% Dry of OMC			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
<i>Density Test Results</i>						
Field Wet Density (t/m ³) :	2.11	2.21	2.16			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	101.5%	104.5%	103.0%			
-						
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208				APPROVED SIGNATORY  Nick Dobson - Signatory		

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth				Report Number :	SR/PTP/10047 - 91/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD				Report Date :	20/03/2023
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks				Test Request :	-
Project Number :	PTP/10047				Page 1 of 4	
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/185893	S/185894	S/185895	S/185896	S/185897	S/185898
Date Tested :	9/03/2023	9/03/2023	9/03/2023	9/03/2023	9/03/2023	9/03/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	10:30	10:36	10:42	10:51	11:01	11:10
Lot Number :	Lot 1	Lot 2	Lot 3	Lot 4	Lot 5	Lot 6
Location 1 :	E: 499262	E: 499183	E: 499192	E: 499171	E: 499141	E: 499008
Location 2 :	N: 6931869	N: 6931993	N: 6931982	N: 6932020	N: 6932033	N: 6932053
Location 3 :	0.3m BFL	0.3m BFL	FL	0.3m BFL	FL	0.3m BFL
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	0%	0%	0%	0%	0%	0%
Oversize Density - Dry (t/m ³) :	-	-	-	-	-	-
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/185893	S/185894	S/185895	S/185896	S/185897	S/185898
MDR Test Date :	17/03/2023	16/03/2023	17/03/2023	17/03/2023	17/03/2023	17/03/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown
MDR Test Results						
PCWD (t/m ³) :	2.16	2.16	2.14	2.19	2.14	2.13
Moisture Variation :	2.0%	1.5%	2.0%	2.0%	1.5%	1.5%
ADJ PCWD (t/m ³) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	8.0%	9.5%	10.0%	10.0%	10.5%	9.0%
Moisture Specification :	-	-	-	-	-	-
Variation from OMC :	2.0% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	1.5% Dry of OMC	1.5% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.15	2.15	2.16	2.16	2.14	2.15
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	99.5%	100.0%	101.0%	98.5%	100.0%	101.0%
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208				APPROVED SIGNATORY  Nick Dobson - Signatory		

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth	Report Number :	SR/PTP/10047 - 91/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	20/03/2023
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks	Test Request :	-
Project Number :	PTP/10047	Page 2 of 4	
Location :	Greenbank		

Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
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Sample Number :	S/185899	S/185900	S/185901	S/185902	S/185903	S/185904
Date Tested :	9/03/2023	9/03/2023	9/03/2023	9/03/2023	9/03/2023	9/03/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175

Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	11:19	11:26	11:39	11:48	12:05	12:18
Lot Number :	Lot 7	Lot 8	Lot 9	Lot 10	Lot 11	Lot 12
Location 1 :	E: 499109	E: 499176	E: 499162	E: 499148	E: 499120	E: 499115
Location 2 :	N: 6932044	N: 6932078	N: 6932074	N: 6932079	N: 6932057	N: 6932096
Location 3 :	0.3m BFL	FL	0.3m BFL	FL	FL	0.3m BFL
Location 4 :	-	-	-	-	-	-

Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	0%	0%	0%	0%	0%	0%
Oversize Density - Dry (t/m³) :	-	-	-	-	-	-
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/185899	S/185900	S/185901	S/185902	S/185903	S/185904
MDR Test Date :	16/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown

MDR Test Results						
PCWD (t/m³) :	2.13	2.12	2.15	2.09	2.13	2.16
Moisture Variation :	1.5%	1.5%	2.5%	1.5%	2.0%	2.0%
ADJ PCWD (t/m³) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-

Moisture Test Results :						
Field Moisture Content :	9.0%	9.0%	7.5%	7.0%	10.0%	9.5%
Moisture Specification :	-	-	-	-	-	-
Variation from OMC :	1.5% Dry of OMC	1.5% Dry of OMC	2.5% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A



Density Test Results						
Field Wet Density (t/m³) :	2.12	2.11	2.10	2.10	2.12	2.13
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	99.5%	99.5%	98.0%	100.5%	99.5%	98.5%

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Soil Particle Density (APD) t/m³ :	
Soil Particle Density (APD) Date :	



Remarks :	
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 <p>Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast</p> <p>Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>	<p>APPROVED SIGNATORY</p>  <p>Nick Dobson - Signatory</p>



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth					Report Number :	SR/PTP/10047 - 91/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD					Report Date :	20/03/2023
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks					Test Request :	-
Project Number :	PTP/10047					Page 3 of 4	
Location :	Greenbank						
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,						
Sample Number :	S/185905	S/185906	S/185907	S/185908	S/185909	S/185910	
Date Tested :	9/03/2023	9/03/2023	9/03/2023	9/03/2023	9/03/2023	9/03/2023	
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite	
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill	
Test / Layer Depths :	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	
Time :	12:29	12:39	12:46	12:55	13:03	13:16	
Lot Number :	Lot 13	Lot 14	Lot 15	Lot 16	Lot 17	Lot 18	
Location 1 :	E: 499080	E: 499067	E: 499050	E: 499035	E: 499019	E: 499003	
Location 2 :	N: 6932103	N: 6932103	N: 6932103	N: 692107	N: 6932112	N: 6932113	
Location 3 :	FL	FL	FL	0.3m BFL	0.3m BFL	FL	
Location 4 :	-	-	-	-	-	-	
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	
Oversize Wet :	0%	0%	0%	0%	0%	0%	
Oversize Density - Dry (t/m ³) :	-	-	-	-	-	-	
Assigned MDR (Yes/No) :	No	No	No	No	No	No	
MDR Sample Number :	S/185905	S/185906	S/185907	S/185908	S/185909	S/185910	
MDR Test Date :	16/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023	
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard	
Soil Description :	Sandy CLAY - Brown	Sandy CLAY - Brown	Sandy CLAY - Brown	Sandy CLAY - Brown	Sandy CLAY - Brown	Sandy CLAY - Brown	
<i>MDR Test Results</i>							
PCWD (t/m ³) :	2.09	2.14	2.09	2.09	2.12	2.10	
Moisture Variation :	2.0%	1.5%	2.0%	1.5%	0.0%	1.5%	
ADJ PCWD (t/m ³) :	-	-	-	-	-	-	
ADJ Moisture Variation :	-	-	-	-	-	-	
<i>Moisture Test Results :</i>							
Field Moisture Content :	9.0%	10.0%	9.0%	13.0%	11.5%	12.5%	
Moisture Specification :	-	-	-	-	-	-	
Variation from OMC :	2.0% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC	1.5% Dry of OMC	0.0% Dry of OMC	1.5% Dry of OMC	
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-	
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A	
<i>Density Test Results</i>							
Field Wet Density (t/m ³) :	2.12	2.12	2.11	2.11	2.11	2.13	
Density Specification :	95%	95%	95%	95%	95%	95%	
Wet Density Ratio :	101.5%	99.0%	100.5%	101.0%	99.5%	101.5%	
Soil Particle Density (APD) t/m ³ :							
Soil Particle Density (APD) Date :							
Remarks :							
 <p>Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  <p>Nick Dobson - Signatory</p>			

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth		Report Number :	SR/PTP/10047 - 91/1		
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD		Report Date :	20/03/2023		
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks		Test Request :	-		
Project Number :	PTP/10047		Page 4 of 4			
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/185911	S/185912				
Date Tested :	9/03/2023	9/03/2023				
Material Source :	Onsite	Onsite				
For use as :	General Fill	General Fill				
Test / Layer Depths :	150 / 175	150 / 175				
Sampling Method :	AS1289.1.2.1 - c16.4b	AS1289.1.2.1 - c16.4b				
Time :	13:29	13:39				
Lot Number :	Lot 19	Lot 20				
Location 1 :	E: 499055	E: 499072				
Location 2 :	N: 6931991	N: 6931973				
Location 3 :	0.3m BFL	FL				
Location 4 :	-	-				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	14%	13%				
Oversize Density - Dry (t/m ³) :	2.31	2.29				
Assigned MDR (Yes/No) :	No	No				
MDR Sample Number :	S/185911	S/185912				
MDR Test Date :	16/03/2023	16/03/2023				
Compaction Type :	Standard	Standard				
Soil Description :	Sandy CLAY - Brown	Sandy CLAY - Brown				
MDR Test Results						
PCWD (t/m ³) :	2.13	2.07				
Moisture Variation :	0.0%	0.0%				
ADJ PCWD (t/m ³) :	2.16	2.10				
ADJ Moisture Variation :	-	0.0%				
Moisture Test Results :						
Field Moisture Content :	11.5%	10.5%				
Moisture Specification :	-	-				
Variation from OMC :	At OMC	0.0% Dry of OMC				
Relative Moisture Ratio (Q250) :	-	-				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m ³) :	2.11	2.11				
Density Specification :	95%	95%				
Wet Density Ratio :	98.0%	100.0%				
	-	-				
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208			APPROVED SIGNATORY  Nick Dobson - Signatory			

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 108/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	24/04/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 4		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/191136	S/191137	S/191138	S/191139	S/191140	S/191141
Date Tested :	13/04/2023	13/04/2023	13/04/2023	13/04/2023	13/04/2023	13/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	08:00	08:15	08:30	08:45	09:00	09:15
Lot Number :	-	-	-	-	-	-
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5
Location 2 :	E 499291.5	E 499252.6	E 499213.5	E 499206.2	E 499268.9	E 499249.2
Location 3 :	N 6931873.3	N 6931883.3	N 6931961.8	N 6931973.7	N 6931857.5	N 6931942
Location 4 :	1.2m Below Finish Level	0.8m Below Finish Level	Finish Level	1.0m Below Finish Level	0.6m Below Finish Level	Finish Level
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	10%	8%	12%	9%	11%	10%
Oversize Density - Dry (t/m ³) :	2.19	2.28	2.34	2.23	2.16	2.19
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/191136	S/191137	S/191138	S/191139	S/191140	S/191141
MDR Test Date :	18/04/2023	18/04/2023	18/04/2023	18/04/2023	18/04/2023	18/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown
MDR Test Results						
PCWD (t/m ³) :	2.18	2.19	2.19	2.20	2.19	2.19
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m ³) :	2.18	2.20	2.21	2.21	2.18	2.19
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0%	1.5%	1.5%
Moisture Test Results :						
Field Moisture Content :	6.0%	6.5%	6.0%	7.0%	6.5%	6.0%
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC
Variation from OMC :	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	1.5% Dry of OMC	1.5% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.14	2.15	2.15	2.16	2.16	2.16
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	98.0%	97.5%	97.0%	97.5%	99.0%	98.5%
-						
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  Ben Pittard - Signatory		

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth	Report Number :	SR/PTP/10047 - 108/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	24/04/2023
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks	Test Request :	-
Project Number :	PTP/10047	Page 2 of 4	
Location :	Greenbank		

Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
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Sample Number :	S/191142	S/191143	S/191144	S/191145	S/191146	S/191147
Date Tested :	13/04/2023	13/04/2023	13/04/2023	13/04/2023	13/04/2023	13/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150

Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	09:30	09:45	10:00	10:15	10:30	10:45
Lot Number :	-	-	-	-	-	-
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5
Location 2 :	E 499230.9	E 499261.1	E 499242.8	E 499302.1	E 499273.7	E 499278.6
Location 3 :	N 6931914.5	N 6931926.6	N 6931893.5	N 6931857.8	N 6931844.3	N 6931894.8
Location 4 :	0.5m below Finish Level	Finish Level	1.5m below Finish Level	0.4m below Finish Level	Finish Level	Finish Level

Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	11%	10%	15%	12%	15%	12%
Oversize Density - Dry (t/m ³) :	2.33	2.32	2.25	2.27	2.25	2.24
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/191142	S/191143	S/191144	S/191145	S/191146	S/191147
MDR Test Date :	18/04/2023	18/04/2023	18/04/2023	18/04/2023	18/04/2023	18/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown

MDR Test Results						
PCWD (t/m ³) :	2.18	2.19	2.21	2.21	2.22	2.20
Moisture Variation :	2.0%	2.0%	2.5%	2.5%	2.0%	2.0%
ADJ PCWD (t/m ³) :	2.20	2.20	2.21	2.22	2.22	2.21
ADJ Moisture Variation :	2.0%	1.5%	2.0%	2.0%	1.5%	2.0%

Moisture Test Results :						
Field Moisture Content :	6.0%	6.0%	6.5%	6.5%	6.5%	6.0%
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC
Variation from OMC :	2.0% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A



Density Test Results						
Field Wet Density (t/m ³) :	2.15	2.15	2.14	2.16	2.16	2.15
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	97.5%	97.5%	97.0%	97.5%	97.0%	97.0%

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Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						

Remarks :						
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 <p>Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast</p>	<p>APPROVED SIGNATORY</p>  Ben Pittard - Signatory

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth	Report Number :	SR/PTP/10047 - 108/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	24/04/2023
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks	Test Request :	-
Project Number :	PTP/10047	Page 3 of 4	
Location :	Greenbank		

Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,
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Sample Number :	S/191148	S/191149	S/191150	S/191151	S/191152	S/191153
Date Tested :	13/04/2023	13/04/2023	13/04/2023	13/04/2023	13/04/2023	13/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150

Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	11:00	11:15	11:30	11:45	12:00	12:15
Lot Number :	-	-	-	-	-	-
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5
Location 2 :	E 499215.7	E 499211.1	E 499209.3	E 499268.2	E 499271.8	E 499290.4
Location 3 :	N 6931983.2	N 6931994	N 6931959.2	N 6931907.2	N 6931877.6	N 6931856.2
Location 4 :	0.5m Below Finish Level	Finish Level	Finish Level	0.5m Below Finish Level	Finish Level	1m Below Finish Level

Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	7%	9%	10%	8%	0%	14%
Oversize Density - Dry (t/m ³) :	2.36	2.23	2.22	2.31	-	2.31
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/191148	S/191149	S/191150	S/191151	S/191152	S/191153
MDR Test Date :	19/04/2023	19/04/2023	19/04/2023	19/04/2023	19/04/2023	19/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown

<i>MDR Test Results</i>						
PCWD (t/m ³) :	2.16	2.19	2.14	2.21	2.23	2.22
Moisture Variation :	1.5%	1.5%	1.5%	1.0%	1.5%	1.5%
ADJ PCWD (t/m ³) :	2.17	2.19	2.15	2.22	-	2.23
ADJ Moisture Variation :	1.5%	1.5%	1.5%	1.0%	-	1.5%

<i>Moisture Test Results :</i>						
Field Moisture Content :	7.0%	6.0%	6.5%	7.0%	7.0%	6.0%
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC
Variation from OMC :	1.5% Dry of OMC	1.5% Dry of OMC	1.5% Dry of OMC	1.0% Dry of OMC	1.5% Dry of OMC	1.5% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A



<i>Density Test Results</i>						
Field Wet Density (t/m ³) :	2.15	2.15	2.15	2.16	2.15	2.16
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	99.0%	98.0%	100.0%	97.0%	96.0%	97.0%

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Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						


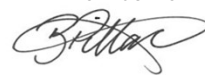
Remarks :						
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 <p style="font-size: small;">Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>	<p>APPROVED SIGNATORY</p>  <p>Ben Pittard - Signatory</p>
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Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth		Report Number :	SR/PTP/10047 - 108/1		
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD		Report Date :	24/04/2023		
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks		Test Request :	-		
Project Number :	PTP/10047		Page 4 of 4			
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/191154	S/191155				
Date Tested :	13/04/2023	13/04/2023				
Material Source :	Onsite	Onsite				
For use as :	General Fill	General Fill				
Test / Layer Depths :	175 / 150	175 / 150				
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b				
Time :	12:30	12:45				
Lot Number :	-	-				
Location 1 :	General Fill Area 9.5	General Fill Area 9.5				
Location 2 :	E 499305.5	E 499195.2				
Location 3 :	N 6931845.5	N 6932016.2				
Location 4 :	u.r.m below Finish Level	Finish Level				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	0%	10%				
Oversize Density - Dry (t/m ³) :	-	2.19				
Assigned MDR (Yes/No) :	No	No				
MDR Sample Number :	S/191154	S/191155				
MDR Test Date :	19/04/2023	19/04/2023				
Compaction Type :	Standard	Standard				
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown				
MDR Test Results						
PCWD (t/m ³) :	2.14	2.21				
Moisture Variation :	1.5%	1.5%				
ADJ PCWD (t/m ³) :	-	2.21				
ADJ Moisture Variation :	-	1.5%				
Moisture Test Results :						
Field Moisture Content :	7.0%	6.0%				
Moisture Specification :	±2% of OMC	±2% of OMC				
Variation from OMC :	1.5% Dry of OMC	1.5% Dry of OMC				
Relative Moisture Ratio (Q250) :	-	-				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m ³) :	2.16	2.14				
Density Specification :	95%	95%				
Wet Density Ratio :	100.5%	97.0%				
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>			<p>APPROVED SIGNATORY</p>  Ben Pittard - Signatory			


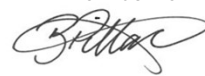
Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 107/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	24/04/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 4		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/191547	S/191548	S/191549	S/191550	S/191551	S/191552
Date Tested :	14/04/2023	14/04/2023	14/04/2023	14/04/2023	14/04/2023	14/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	07:15	07:30	07:45	08:00	08:15	08:30
Lot Number :	-	-	-	-	-	-
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5
Location 2 :	E 499194.1	E 499213.7	E 499232.9	E 499223.6	E 499192.9	E 499171
Location 3 :	N 6932029.4	N 6932049.5	N 6932037.8	N 6931980.7	N 6931998.4	N 6932022.3
Location 4 :	Finish Level	Finish Level	Finish Level	U.m Below Finish Level	1m Below Finish Level	Finish Level
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	18%	20%	17%	16%	16%	17%
Oversize Density - Dry (t/m ³) :	2.06	2.02	2.06	2.10	2.04	2.14
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/191547	S/191548	S/191549	S/191550	S/191551	S/191552
MDR Test Date :	20/04/2023	20/04/2023	20/04/2023	20/04/2023	20/04/2023	19/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown
MDR Test Results						
PCWD (t/m ³) :	2.16	2.13	2.14	2.09	2.08	2.12
Moisture Variation :	4.5%	4.0%	3.0%	3.0%	2.5%	3.0%
ADJ PCWD (t/m ³) :	2.14	2.10	2.12	2.09	2.07	2.12
ADJ Moisture Variation :	4.0%	3.5%	2.5%	2.5%	2.0%	2.5%
Moisture Test Results :						
Field Moisture Content :	6.5%	6.0%	6.5%	7.0%	7.0%	7.0%
Moisture Specification :	-	-	-	-	-	-
Variation from OMC :	4.0% Dry of OMC	3.5% Dry of OMC	2.5% Dry of OMC	2.5% Dry of OMC	2.0% Dry of OMC	2.5% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.13	2.12	2.12	2.14	2.12	2.12
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	100.0%	101.0%	100.0%	102.0%	102.0%	99.5%
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 <p>Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast</p> <p>Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  <p>Ben Pittard - Signatory</p>		



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 107/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	24/04/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 2 of 4		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/191553	S/191554	S/191555	S/191556	S/191557	S/191558
Date Tested :	14/04/2023	14/04/2023	14/04/2023	14/04/2023	14/04/2023	14/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	08:45	09:00	09:15	09:30	09:45	10:00
Lot Number :	-	-	-	-	-	-
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5
Location 2 :	E 499178.7	E 499163.7	E 499152.9	E 499181.1	E 499151.4	E 499198.7
Location 3 :	N 6932009.2	N 6932057.1	N 6932023.4	N 6932033.9	N 6932059.7	N 6932041.4
Location 4 :	Finish Level	U.7m Below Finish Level	1.4m Below Finish Level	Finish Level	Finish Level	Finish Level
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	13%	16%	17%	13%	13%	13%
Oversize Density - Dry (t/m ³) :	2.14	2.02	2.02	2.06	2.12	2.14
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/191553	S/191554	S/191555	S/191556	S/191557	S/191558
MDR Test Date :	20/04/2023	20/04/2023	20/04/2023	20/04/2023	20/04/2023	20/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly SAND Brown	Gravelly SAND Brown	Gravelly SAND Brown	Gravelly SAND Brown	Gravelly SAND Brown	Gravelly SAND Brown
MDR Test Results						
PCWD (t/m ³) :	2.13	2.12	2.14	2.09	2.15	2.15
Moisture Variation :	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
ADJ PCWD (t/m ³) :	2.13	2.10	2.12	2.08	2.15	2.15
ADJ Moisture Variation :	2.0%	2.5%	2.0%	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	7.5%	6.5%	6.5%	7.0%	6.5%	6.0%
Moisture Specification :	-	-	-	-	-	-
Variation from OMC :	2.0% Dry of OMC	2.5% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.11	2.14	2.12	2.13	2.12	2.13
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	99.0%	101.5%	100.0%	102.5%	98.5%	99.0%
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208				APPROVED SIGNATORY  Ben Pittard - Signatory		


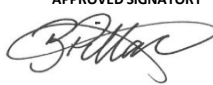
Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 107/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	24/04/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 3 of 4		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/191559	S/191560	S/191561	S/191562	S/191563	S/191564
Date Tested :	14/04/2023	14/04/2023	14/04/2023	14/04/2023	14/04/2023	14/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	10:15	10:30	10:45	11:00	11:15	11:30
Lot Number :	-	-	-	-	-	-
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5
Location 2 :	E 499202	E 499112.1	E 499086	E 499095.4	E 499089	E 499158.3
Location 3 :	N 6932046.2	N 6932051.8	N 6932044.7	N 6932024.1	N 6932079	N 6932042.8
Location 4 :	0.4m Below Finish Level	1.2m Below Finish Level	Finish Level	Finish Level	0.6m Below Finish Level	1m Below Finish Level
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	14%	16%	20%	15%	18%	19%
Oversize Density - Dry (t/m ³) :	2.09	2.06	2.10	2.04	2.10	2.12
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/191559	S/191560	S/191561	S/191562	S/191563	S/191564
MDR Test Date :	20/04/2023	20/04/2023	20/04/2023	20/04/2023	20/04/2023	20/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown
MDR Test Results						
PCWD (t/m ³) :	2.27	2.27	2.16	2.16	2.16	2.13
Moisture Variation :	2.5%	2.0%	2.0%	2.0%	2.5%	2.0%
ADJ PCWD (t/m ³) :	2.25	2.24	2.15	2.14	2.15	2.13
ADJ Moisture Variation :	2.5%	1.5%	1.5%	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	6.5%	7.0%	7.0%	7.0%	6.5%	6.0%
Moisture Specification :	-	-	-	-	-	-
Variation from OMC :	2.5% Dry of OMC	1.5% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.27	2.25	2.15	2.17	2.14	2.16
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	101.0%	100.5%	100.0%	101.5%	99.5%	101.0%
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208				APPROVED SIGNATORY  Ben Pittard - Signatory		



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 107/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	24/04/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 4 of 4		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/191565	S/191566	S/191567	S/191568	S/191569	S/191570
Date Tested :	14/04/2023	14/04/2023	14/04/2023	14/04/2023	14/04/2023	14/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150	175 / 150
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	11:45	12:00	12:15	12:30	12:45	13:00
Lot Number :	-	-	-	-	-	-
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.7	General Fill Area 9.7	General Fill Area 9.7	General Fill Area 9.7
Location 2 :	E 499094.2	E 499065.9	E 499475	E 499492	E 499509	E 499495
Location 3 :	N 6932059.5	N 6932064.9	N 6932143	N 6932121	N 6932108	N 6932091
Location 4 :	0.5m Below Finish Level	Finish Level	RL 49.45	RL 47.85	RL 47.64	RL 46.40
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Upsize Wet :	16%	18%	19%	16%	17%	16%
Upsize Density - Dry (t/m ³) :	2.12	2.06	2.14	2.20	2.03	1.90
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/191565	S/191566	S/191567	S/191568	S/191569	S/191570
MDR Test Date :	20/04/2023	20/04/2023	20/04/2023	20/04/2023	20/04/2023	20/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown	Gravelly SAND - Brown
MDR Test Results						
PCWD (t/m ³) :	2.14	2.20	2.22	2.22	2.23	2.27
Moisture Variation :	1.5%	1.5%	2.0%	1.5%	1.5%	1.0%
ADJ PCWD (t/m ³) :	2.13	2.18	2.20	2.22	2.19	2.20
ADJ Moisture Variation :	1.0%	1.0%	2.0%	1.5%	1.5%	1.0%
Moisture Test Results :						
Field Moisture Content :	7.5%	6.5%	6.5%	6.5%	7.5%	7.0%
Moisture Specification :	-	-	-	-	-	-
Variation from OMC :	1.0% Dry of OMC	1.0% Dry of OMC	2.0% Dry of OMC	1.5% Dry of OMC	1.5% Dry of OMC	1.0% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.16	2.15	2.24	2.24	2.24	2.24
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	101.5%	99.0%	101.5%	101.0%	102.0%	102.0%
-						
Soil Particle Density (APD) t/m ³ :						
Soil Particle Density (APD) Date :						
Remarks :						
 Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208				APPROVED SIGNATORY  Ben Pittard - Signatory		


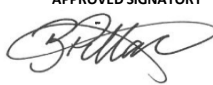
Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth 99 Sandalwood Lane, Forest Glen, 4556, QLD					Report Number :	SR/PTP/10047 - 112/1
Client Address :	Everleigh Estate - Precinct 9.4 Earthworks					Report Date :	26/04/2023
Project Name :	PTP/10047					Test Request :	-
Project Number :	Greenbank					Page 1 of 2	
Location :							
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,						
Sample Number :	S/192124	S/192127	S/192128	S/192129	S/192130	S/192131	
Date Tested :	18/04/2023	18/04/2023	18/04/2023	18/04/2023	18/04/2023	18/04/2023	
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite	
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill	
Test / Layer Depths :	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	
Time :	10:00	10:15	10:30	10:45	11:00	11:15	
Lot Number :	-	-	-	-	-	-	
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.5	
Location 2 :	E 499184.5	E 499078.8	E 499061.1	E 499139.8	E 499075.4	E 499065.5	
Location 3 :	N 6932048.6	N 6931977.8	N 6932019.3	N 6932029.3	N 6932005.3	N 6932037.2	
Location 4 :	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	
Oversize Wet :	20%	18%	15%	18%	17%	17%	
Oversize Density - Dry (t/m ³) :	2.18	2.24	2.22	2.23	2.28	2.17	
Assigned MDR (Yes/No) :	No	No	No	No	No	No	
MDR Sample Number :	S/192124	S/192127	S/192128	S/192129	S/192130	S/192131	
MDR Test Date :	26/04/2023	26/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023	
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard	
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	
MDR Test Results							
PCWD (t/m ³) :	2.17	2.16	2.15	2.15	2.16	2.17	
Moisture Variation :	2.0%	2.0%	2.5%	2.5%	2.0%	2.5%	
ADJ PCWD (t/m ³) :	2.17	2.18	2.16	2.17	2.18	2.17	
ADJ Moisture Variation :	1.5%	2.0%	2.0%	2.0%	1.5%	2.0%	
Moisture Test Results :							
Field Moisture Content :	7.0%	7.0%	7.0%	6.5%	7.5%	6.5%	
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	
Variation from OMC :	1.5% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC	
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-	
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A	
Density Test Results							
Field Wet Density (t/m ³) :	2.24	2.18	2.21	2.21	2.21	2.19	
Density Specification :	95%	95%	95%	95%	95%	95%	
Wet Density Ratio :	103.0%	100.0%	102.0%	102.0%	101.5%	101.0%	
Remarks :							
 <p>Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  <p>Ben Pittard - Signatory</p>			



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth 99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Number :	SR/PTP/10047 - 112/1	
Client Address :	Everleigh Estate - Precinct 9.4 Earthworks			Report Date :	26/04/2023	
Project Name :	PTP/10047			Test Request :	-	
Project Number :	Greenbank			Page 2 of 2		
Location :						
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/192132	S/192133	S/192134	S/192135	S/192136	S/192137
Date Tested :	18/04/2023	18/04/2023	18/04/2023	18/04/2023	18/04/2023	18/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	11:30	11:45	12:00	12:15	12:30	12:45
Lot Number :	-	-	-	-	-	-
Location 1 :	General Fill Area 9.5	General Fill Area 9.5	General Fill Area 9.7	General Fill Area 9.7	General Fill Area 9.7	General Fill Area 9.7
Location 2 :	E 499096.7	E 499125.2	E 499466	E 499433	E 499408	E 499391
Location 3 :	N 6931992.4	N 6932045	N 6932183	N 6932186	N 6932194	N 6932195
Location 4 :	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	0%	20%	15%	19%	19%	19%
Oversize Density - Dry (t/m ³) :	-	2.36	2.17	2.24	2.26	2.25
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/192132	S/192133	S/192134	S/192135	S/192136	S/192137
MDR Test Date :	24/04/2023	24/04/2023	24/04/2023	24/04/2023	24/04/2023	24/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown
MDR Test Results						
PCWD (t/m ³) :	2.20	2.13	2.21	2.12	2.22	2.21
Moisture Variation :	0.0%	2.5%	2.5%	2.5%	2.5%	2.5%
ADJ PCWD (t/m ³) :	-	2.18	2.21	2.14	2.23	2.21
ADJ Moisture Variation :	-	2.0%	2.0%	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	8.5%	7.0%	7.0%	7.0%	7.0%	7.5%
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC
Variation from OMC :	At OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.21	2.20	2.21	2.20	2.21	2.21
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	100.0%	101.0%	100.0%	102.5%	99.5%	100.0%
Remarks :						
 <p>Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>	APPROVED SIGNATORY  Ben Pittard - Signatory					



Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth 99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Number :	SR/PTP/10047 - 114/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	28/04/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 1 of 3		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/192461	S/192462	S/192463	S/192464	S/192465	S/192466
Date Tested :	19/04/2023	19/04/2023	19/04/2023	19/04/2023	19/04/2023	19/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	09:00	09:15	09:30	09:45	10:00	10:15
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499079.6	E 499037.1	E 499051.6	E 499100.3	E 499118.4	E 499165
Location 2 :	N 6932045	N 6932046.8	N 6932043.2	N 6932094.1	N 6932078.9	N 6932082.1
Location 3 :	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	17%	12%	12%	15%	15%	13%
Oversize Density - Dry (t/m ³) :	2.24	2.25	2.27	2.36	2.02	2.35
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/192461	S/192462	S/192463	S/192464	S/192465	S/192466
MDR Test Date :	24/04/2023	24/04/2023	24/04/2023	24/04/2023	24/04/2023	24/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown
MDR Test Results						
PCWD (t/m ³) :	2.06	2.06	2.07	2.07	2.08	2.10
Moisture Variation :	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
ADJ PCWD (t/m ³) :	2.09	2.08	2.10	2.11	2.07	2.13
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	5.0%	6.5%	5.5%	6.0%	5.5%	6.0%
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC
Variation from OMC :	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.14	2.13	2.15	2.15	2.13	2.13
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	102.0%	102.0%	102.5%	102.0%	103.0%	100.0%
Remarks :						
 <p>Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  Ben Pittard - Signatory		

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth			Report Number :	SR/PTP/10047 - 114/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	28/04/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 2 of 3		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/192467	S/192468	S/192469	S/192470	S/192471	S/192472
Date Tested :	19/04/2023	19/04/2023	19/04/2023	19/04/2023	19/04/2023	19/04/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175	150 / 175
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b
Time :	10:30	10:45	11:00	11:15	11:30	11:45
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499218.7	E 499185.2	E 499017	E 499180.5	E 499237.1	E 499222.6
Location 2 :	N 6931954.5	N 6931975.2	N 6932033.1	N 6932084.9	N 6932054.6	N 6932059.6
Location 3 :	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level	Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	15%	19%	8%	15%	19%	15%
Oversize Density - Dry (t/m ³) :	2.35	2.25	2.31	2.34	2.32	2.16
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/192467	S/192468	S/192469	S/192470	S/192471	S/192472
MDR Test Date :	24/04/2023	24/04/2023	24/04/2023	24/04/2023	24/04/2023	24/04/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown	Gravelly Sandy CLAY - Brown
MDR Test Results						
PCWD (t/m ³) :	2.10	2.07	2.06	2.14	2.07	2.10
Moisture Variation :	1.5%	2.0%	2.0%	1.5%	1.5%	2.0%
ADJ PCWD (t/m ³) :	2.13	2.10	2.08	2.17	2.12	2.11
ADJ Moisture Variation :	1.5%	1.5%	2.0%	1.5%	1.0%	1.5%
Moisture Test Results :						
Field Moisture Content :	5.0%	5.0%	5.5%	5.5%	5.0%	6.5%
Moisture Specification :	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC	±2% of OMC
Variation from OMC :	1.5% Dry of OMC	1.5% Dry of OMC	2.0% Dry of OMC	1.5% Dry of OMC	1.0% Dry of OMC	1.5% Dry of OMC
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m ³) :	2.14	2.13	2.14	2.13	2.14	2.12
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	100.5%	101.5%	103.0%	98.0%	101.0%	100.5%
Remarks :						
 <p>Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>				<p>APPROVED SIGNATORY</p>  Ben Pittard - Signatory		

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforth 99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Number :	SR/PTP/10047 - 114/1	
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD			Report Date :	28/04/2023	
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks			Test Request :	-	
Project Number :	PTP/10047			Page 3 of 3		
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,					
Sample Number :	S/192473	S/192474	S/192475	S/192476		
Date Tested :	19/04/2023	19/04/2023	19/04/2023	19/04/2023		
Material Source :	Onsite	Onsite	Onsite	Onsite		
For use as :	General Fill	General Fill	General Fill	General Fill		
Test / Layer Depths :	175 / 150	175 / 150	175 / 150	175 / 150		
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b		
Time :	12:00	12:15	12:30	12:45		
Lot Number :	-	-	-	-		
Location 1 :	General Fill Area 9.7	General Fill Area 9.7	General Fill Area 9.7	General Fill Area 9.7		
Location 2 :	E 499317	E 499310	E 499250	E 499269		
Location 3 :	N 6932130	N 6932184	N 6932172	N 6932174		
Location 4 :	0.9m Below Finish Level	0.6m Below Finish Level	0.3m Below Finish Level	Finish Level		
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm		
Oversize Wet :	10%	20%	17%	20%		
Oversize Density - Dry (t/m ³) :	2.21	2.23	2.20	2.15		
Assigned MDR (Yes/No) :	No	No	No	No		
MDR Sample Number :	S/192473	S/192474	S/192475	S/192476		
MDR Test Date :	26/04/2023	21/04/2023	21/04/2023	21/04/2023		
Compaction Type :	Standard	Standard	Standard	Standard		
Soil Description :	Clayey SAND- Brown	Clayey SAND - Brown	Clayey SAND - Brown	Clayey SAND - Brown		
MDR Test Results						
PCWD (t/m ³) :	2.21	2.21	2.22	2.21		
Moisture Variation :	2.5%	3.0%	2.5%	3.0%		
ADJ PCWD (t/m ³) :	2.21	2.22	2.22	2.20		
ADJ Moisture Variation :	2.5%	2.5%	2.5%	2.5%		
Moisture Test Results :						
Field Moisture Content :	8.5%	7.0%	7.5%	7.0%		
Moisture Specification :	-	-	-	-		
Variation from OMC :	2.5% Dry of OMC	2.5% Dry of OMC	2.5% Dry of OMC	2.5% Dry of OMC		
Relative Moisture Ratio (Q250) :	-	-	-	-		
Moisture Ratio :	N/A	N/A	N/A	N/A		
Density Test Results						
Field Wet Density (t/m ³) :	2.21	2.21	2.21	2.21		
Density Specification :	95%	95%	95%	95%		
Wet Density Ratio :	100.0%	100.0%	99.5%	100.5%		
Remarks :						
 <p>Accredited for Compliance with ISO/IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667 Base Laboratory Site Number - 22838 - Gold Coast Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208</p>			<p>APPROVED SIGNATORY</p>  Ben Pittard - Signatory			



Appendix C

Particle Size Distribution Report

MORRISON GEOTECHNIC



MORRISON
GEOTECHNIC

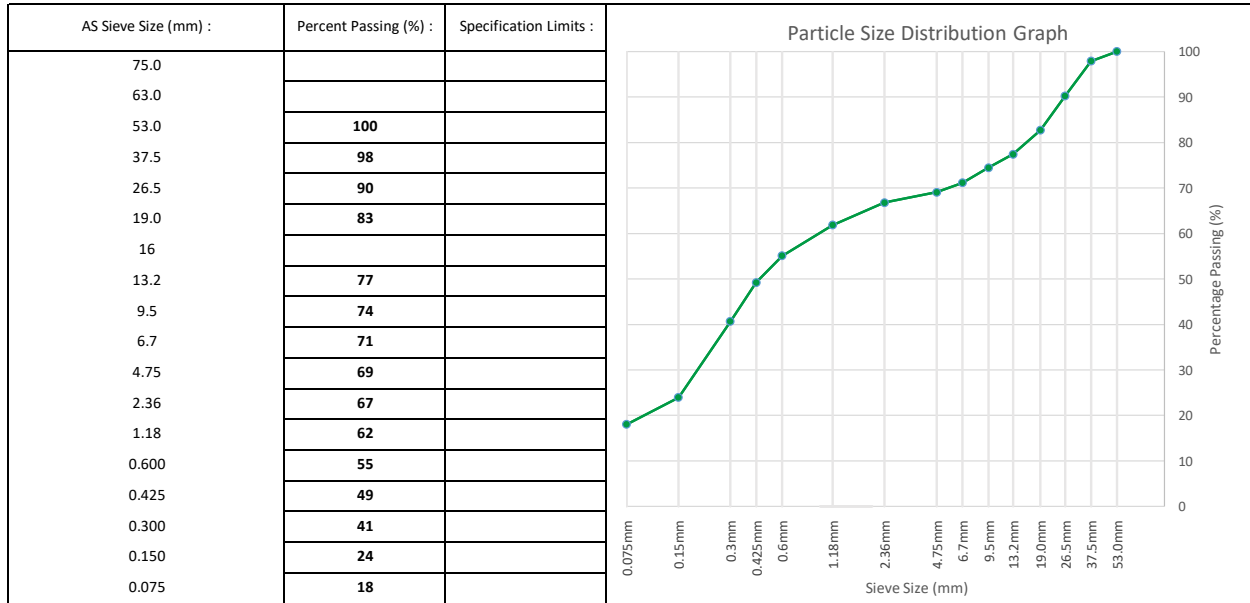
Particle Size Distribution Report

Client :	Shadforth	Report Number :	SR/PTP/10047 - 116/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	10/05/2023
Project Name :	Everleigh Estate - Precinct 9.4 Earthworks	Test Request :	-
Project Number :	PTP/10047	Page 1 of 1	
Location :	Greenbank		


Test Methods :	AS1289.3.6.1, AS1289.2.1.1,
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Material Description	Clayey Gravelly SAND - Brown
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Sample Number :	S/193129	Sampling Method :	AS1289.1.2.1 - cl6.4b
Date Tested :	26/04/2023	Time :	11:17
Material Source :	Onsite	Location 1 :	E 499420
For Use As :	General Fill	Location 2 :	N 6932215
Lot Number :	-	Location 3 :	Finish Level
PSD Specification Number :	N/A	Location 4 :	-



Remarks :	-
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Accredited for Compliance with ISO/ IEC 17025 - Testing
 Protest Engineering (Gold Coast) Accreditation Number - 19667
 Base Laboratory Site Number - 22838 - Gold Coast
 Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208

APPROVED SIGNATORY



Joshua Andres - Signatory