Level One Compliance Report

BULK EARTHWORKS FILLING OPERATIONS

Everleigh Estate Precinct 10.1

19 January 2024

Prepared By

MORRISON GEOTECHNIC

Prepared for:

Shadforth Civil

Document Reference: PTP/11755-P10.1

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Ref No: P10.1
Author: Gary Taylor

16 January 2024

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 10.1, TEVIOT ROAD, GREENBANK

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 10.1, Teviot Road, Greenbank (the site).

Earthworks operations were carried out by Shadforth Civil.

Earthworks filling operations for Precinct 10.1 allotments and roads were carried out between December 2022 and August 2023.

The areas of fill covered by this report are presented as Figures 1, 2 and 3 below.

Figure 1 presents the extent of earthworks as shown on the Premise Earthworks Drawings MIR-1010-C201-A and MIR-1010-C203A.

Figures 2 and 3 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 - Premise Earthworks Drawings MIR-1010-C201-A and 203-A

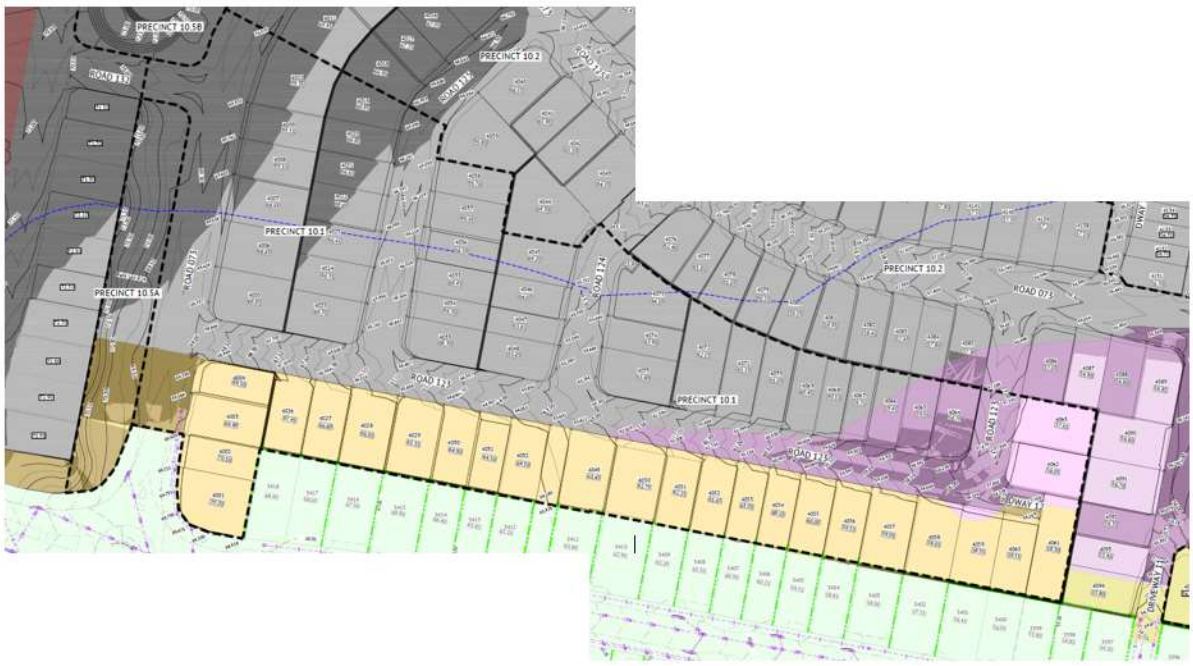

Figure 2: Actual Constructed Area of Fill (600mm BFSL) – Shadforth Survey Plans

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

1.2 Previous Earthworks

As far as Morrison Geotechnic are aware, there were no previous earthworks 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 an existing residential precinct to the south and future precincts to the north, west 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 drawings MIR-1010-C201-A and MIR-1010-C203A.
- Recommendations in Morrison Geotechnic report "Recommended Filling Earthworks Specification" report 16520B, dated 25th June 2020.

All other design requirements such as CBR and Quality of Materials, site classification, material assessments, foundation assessments and slope / global stability appraisals were not included in the Brief and are therefore excluded from this Report.

For the actual constructed fill thickness and extremities on fill placed, a disclosure plan should be requested from the developer.

2.1 Additional Requirements

All fill at The Site was to be constructed in accordance with the Earthworks Specification as shown on Premise Drawing – MIR-0906-C200-B. 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

NOTES:
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.

KEY OUTCOMES FOR EARTHWORKS OPERATIONS
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
   - 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 and exposed ground surfaces and during the placement and compaction of fill materials forming residential allotments and road subgrades.

Field and laboratory testing included walk over assessments of the existing ground conditions, proof roll testing of the stripped surface including the natural surface, observations of filling and compaction activities, field density testing using a soil moisture density gauge and Hilf Density compactions.

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 the 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 course 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. Occasional oversize particles including cobbles may be present in the deeper fill profile, however, 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 maximum Hilf Density at the test locations.

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

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 typical fill construction activities 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 standards (AS3798, AS1289). Testing achieved the required specification of 95% Standard Maximum Dry Density (SMDD) at the test locations.

Level One Inspection and Testing has been carried out on the filling operation at the Site (limited to the extent shown in Figure 1). Based on the observations made by our Geo-technicians 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 AS2870-2011 Residential Slabs and Footings.

5.0 EXCLUSIONS

This statement does not include any topsoil, which may be placed for use as dressing, trench backfill, areas outside the locations shown in Figure 1 or any other subsequent earthworks after August 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 (**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 10.1, Everleigh Estate **(Project)**. The Report is only intended to address those issues expressly described in the Brief/ Work Instructions in this Report.

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(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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(b) is limited to observations of those parts of the site described in Section 1.0.

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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 office.

Yours faithfully

GARY 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 A

Site Plan & Test Locations

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JOINS SHEET 2

LEGEND - PROPOSED

- EXTENT OF CUT
- EXTENT OF FILL
- BORROW AREA
- BORROW AREA EXTENT FOR PRECINCT 9 EARTHWORKS. ADDITIONAL EARTHWORKS REQUIRED TO GET TO FINISHED SURFACE LEVEL
- 12.0 — FINISHED MAJOR CONTOURS (1.00m)
- FINISHED MINOR CONTOURS (0.25m)
- 51.65 — FINISHED SURFACE LEVEL
- 58.25 × — FOOTPATH SPOT LEVEL
- VEGETATION CLEARING EXTENT
- STAGE BOUNDARY

LEGEND - CONSTRUCTED

- EARTHWORKS COMPLETED AS PART OF PRECINCT 9. REFER TO APPROVED DRAWINGS DEV2020/1160 DATED 26 AUGUST 2021
- RETAINING WALL
- 12.0 — CONTOURS (0.50m)
- SW — STORMWATER
- S — SEWER
- W — WATER
- E — ELECTRICITY
- PRECINCT 9.3 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.

APPROVAL ISSUE – NOT FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
05/12/2022	A	ORIGINAL ISSUE	KK	PB

REVISIONS

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

SCALE 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCTS 8 & 10 BULK EARTHWORKS
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS LAYOUT PLAN - SHEET 1

JOB CODE MIR-1010
SHEET NUMBER C201
REV A

JOINS SHEET 4

JOINS SHEET 1

JOINS SHEET 5

PRECINCT 8.2

PRECINCT 10.2

PRECINCT 10.1

PRECINCT 10.4

PRECINCT 10.3

ROAD 124

ROAD 073

ROAD 123

ROAD 108

ROAD 110

DWAY 10

DWAY 12

DRIVEWAY 11

Park Lot 829

ANDERSON DRIVE

CONSTRUCTED PRECINCT 9.7

CONSTRUCTED PRECINCT 9.5

- FOR TYPICAL SECTIONS AND NOTES REFER TO EARTHWORKS NOTES AND DETAILS
- REFER TO DRAWING No. C201 FOR LEGEND.

APPROVAL ISSUE – NOT FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
05/12/2022	A	ORIGINAL ISSUE	KK	PB

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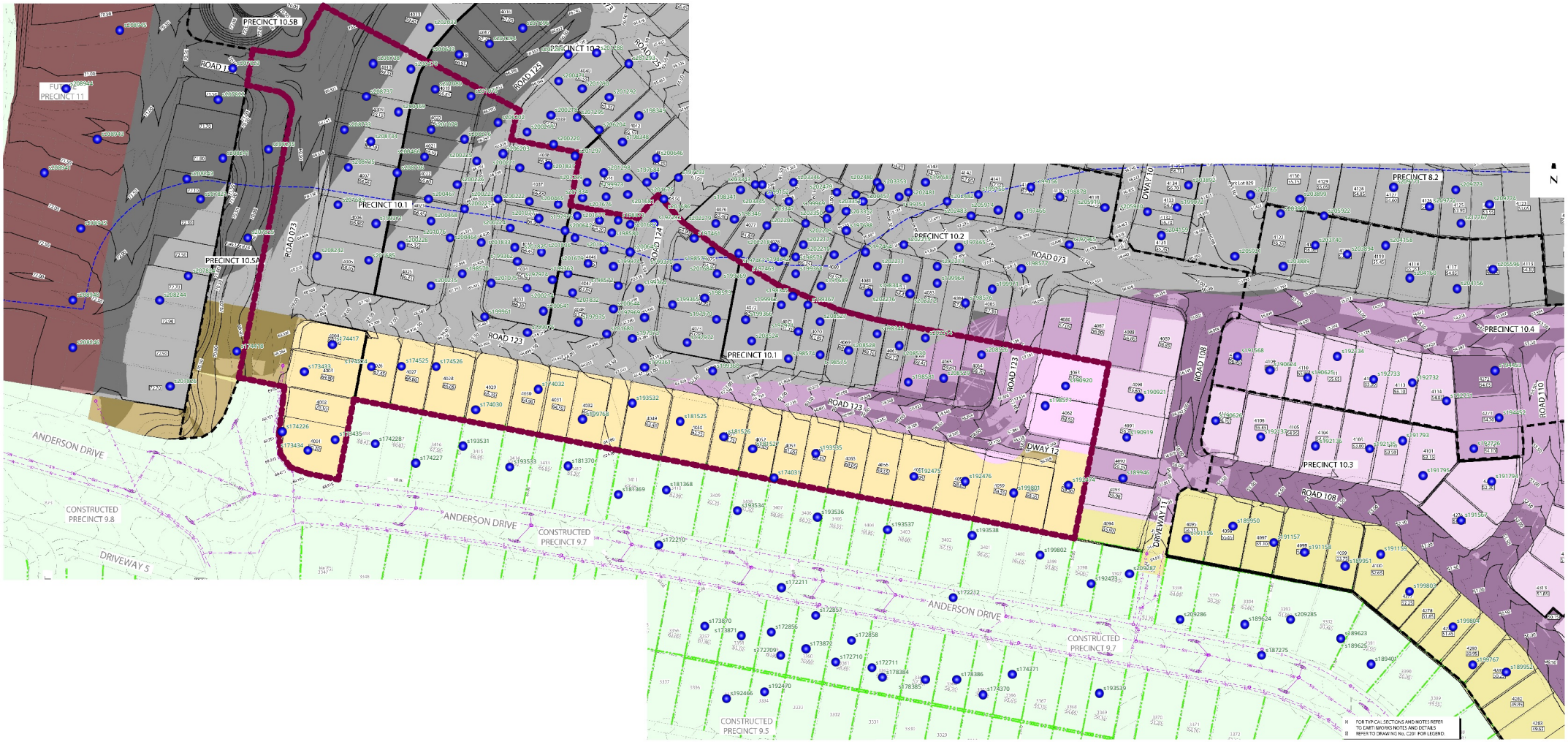
SCALE 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCTS 8 & 10 BULK EARTHWORKS
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS LAYOUT PLAN - SHEET 3

JOB CODE MIR-1010
SHEET NUMBER C203
REV A



EVERLEIGH PRECINCT 10.1 - LEVEL 1 TESTS

Appendix B

Laboratory Test Reports

MORRISON GEOTECHNIC

Protest Engineering
ABN: 26 602 913 673
www.protestengineering.com

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 60/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**6/02/2023**
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/173433	S/173434	S/173435			
Date Tested :	5/12/2022	5/12/2022	5/12/2022			
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 :	12:58	13:01	13:06			
Lot Number :	-	-	-			
Location 1 :	E: 498992.36	E: 498993.91	E: 499002.87			
Location 2 :	N: 6932202.20	N: 6932196.74	N: 6932203.88			
Location 3 :	0.3m BFL	0.3m BFL	0.3m BFL			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 19mm			
Oversize Wet :	9%	11%	20%			
Oversize Density - Dry (t/m³) :	2.39	2.24	2.35			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/173433	S/173434	S/173435			
MDR Test Date :	18/01/2023	18/01/2023	13/01/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravelly Sandy Clay - Brown	Gravelly Sandy Clay - Brown	Sandy Clay - Brown			
MDR Test Results						
PCWD (t/m3) :	2.29	2.30	2.17			
Moisture Variation :	1.5%	2.0%	-0.5%			
ADJ PCWD (t/m3) :	2.30	2.29	2.21			
ADJ Moisture Variation :	1.5%	2.0%	-0.5%			
Moisture Test Results :						
Field Moisture Content :	12.0%	11.5%	10.0%			
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% Wet of OMC**			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m3) :	2.19	2.28	2.13			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**95.5%**	**99.5%**	**96.5%**			
	-	-	-			

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

NATA WORLD RECOGNISED ACCREDITATION

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

APPROVED SIGNATORY

Nick Dobson - Signatory

Protest Engineering
ABN: 26 602 913 673
www.protestengineering.com

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 62/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**6/02/2023**
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/174030	S/174031	S/174032			
Date Tested :	7/12/2022	7/12/2022	7/12/2022			
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 :	10:31	10:36	10:49			
Lot Number :	-	-	-			
Location 1 :	E: 499057.03	E: 499070.84	E: 499087.75			
Location 2 :	N: 6932224.07	N: 6932218.35	N: 6932211.19			
Location 3 :	RL: 64.75	RL: 64.75	RL: 64.30			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	5%	9%	11%			
Oversize Density - Dry (t/m³) :	2.34	2.26	2.24			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/174030	S/174031	S/174032			
MDR Test Date :	18/01/2023	19/01/2023	18/01/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Sandy Gravelly - Brown	Sandy Gravelly - Brown	Sandy Gravelly - Brown			
MDR Test Results						
PCWD (t/m3) :	1.99	2.03	2.02			
Moisture Variation :	1.5%	2.0%	2.5%			
ADJ PCWD (t/m3) :	2.00	2.04	2.04			
ADJ Moisture Variation :	1.5%	2.0%	2.0%			
Moisture Test Results :						
Field Moisture Content :	6.0%	6.0%	5.5%			
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**	**2.0% Dry of OMC**			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m3) :	2.05	1.99	2.00			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**102.0%**	**97.0%**	**97.5%**			
	-	-	-			

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

NATA WORLD RECOGNISED ACCREDITATION

Note: The results contained in this report relate only to the item/s that were tested/sampled
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Protest Engineering (Gold Coast) Accreditation Number - 19667
Base Laboratory Site Number - 22838 - Gold Coast

Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208

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Nick Dobson - Signatory

Document Number : RF1 Date : 29/08/2022

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 63/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**6/02/2023**
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/174226	S/174227	S/174228			
Date Tested :	8/12/2022	8/12/2022	8/12/2022			
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 :	10:33	10:41	10:47			
Lot Number :	-	-	-			
Location 1 :	E: 498979.55	E: 498999.14	E: 499009.54			
Location 2 :	N: 6932193.19	N: 6932196.88	N: 6932191.86			
Location 3 :	RL: 68.11	RL: 67.84	RL: 67.33			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	10%	12%	14%			
Oversize Density - Dry (t/m³) :	2.21	2.26	2.25			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/174226	S/174227	S/174228			
MDR Test Date :	19/01/2023	19/01/2023	19/01/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Clayey Gravelly Sand - Brown	Clayey Gravelly Sand - Brown	Gravelly Clayey Sand - Brown			
MDR Test Results						
PCWD (t/m3) :	2.13	2.21	2.17			
Moisture Variation :	2.0%	2.0%	2.0%			
ADJ PCWD (t/m3) :	2.14	2.22	2.18			
ADJ Moisture Variation :	1.5%	1.5%	1.5%			
Moisture Test Results :						
Field Moisture Content :	8.5%	9.0%	8.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	**1.5% 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			
Density Test Results						
Field Wet Density (t/m3) :	2.10	2.19	2.16			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**98.5%**	**98.5%**	**99.0%**			
	-	-	-			

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

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Accredited for Compliance with ISO/ IEC 17025 - Testing
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Document Number : RF1 Date : 29/08/2022

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 69/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**21/02/2023**
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/174369	S/174370	S/174371	S/174417	S/174418	
Date Tested :	9/12/2022	9/12/2022	9/12/2022	9/12/2022	9/12/2022	
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	
Test / Layer Depths :	150 / -	150 / -	150 / -	150 / -	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	
Time :	10:31	10:38	10:42	11:57	12:04	
Lot Number :	-	-	-	-	-	
Location 1 :	E: 499252.16	E: 499272.33	E: 499284.41	E: 498989.53	E: 498989.07	
Location 2 :	N: 6932073.64	N: 6932084.70	N: 6932092.69	N: 6932192.55	N: 6932207.49	
Location 3 :	RL: 66.01	RL: 65.73	RL: 64.76	RL: 69.48	RL: 69.48	
Location 4 :	-	-	-	-	-	
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	
Oversize Wet :	13%	12%	7%	12%	7%	
Oversize Density - Dry (t/m³) :	2.15	2.21	2.29	2.25	2.32	
Assigned MDR (Yes/No) :	No	No	No	No	No	
MDR Sample Number :	S/174369	S/174370	S/174371	S/174417	S/174418	
MDR Test Date :	20/01/2023	20/01/2023	20/01/2023	20/01/2023	20/01/2023	
Compaction Type :	Standard	Standard	Standard	Standard	Standard	
Soil Description :	Clayey Sandy Gravel - Brown	Clayey Sandy Gravel - Brown	Clayey Sandy Gravel - Brown	Clayey Sandy Gravel - Brown	Clayey Sandy Gravel - Brown	
MDR Test Results						
PCWD (t/m3) :	2.08	2.03	2.05	2.06	2.09	
Moisture Variation :	2.0%	1.0%	1.0%	2.0%	1.5%	
ADJ PCWD (t/m3) :	2.09	2.05	2.07	2.08	2.11	
ADJ Moisture Variation :	2.0%	1.0%	1.0%	1.5%	1.5%	
Moisture Test Results :						
Field Moisture Content :	7.5%	8.0%	7.5%	6.0%	6.0%	
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 :	**2.0% Dry of OMC**	**1.0% 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	
Density Test Results						
Field Wet Density (t/m3) :	2.06	2.02	2.10	2.06	2.12	
Density Specification :	95%	95%	95%	95%	95%	
Wet Density Ratio :	**99.0%**	**98.5%**	**101.5%**	**99.0%**	**100.5%**	
	-	-	-	-	-	
Soil Particle Density (APD) t/m3 :						
Soil Particle Density (APD) Date :						
Remarks :						

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Base Laboratory Site Number - 22838 - Gold Coast

Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 70/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**21/02/2023**
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/174524	S/174525	S/174526			
Date Tested :	12/12/2022	12/12/2022	12/12/2022			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	150 / 200	150 / 200	150 / 200			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	10:27	10:34	10:39			
Lot Number :	-	-	-			
Location 1 :	E: 499016.73	E: 499030.45	E: 499043.66			
Location 2 :	N: 6932220.81	N: 6932220.39	N: 6932220.26			
Location 3 :	RL: 64.92	RL: 65.88	RL: 64.43			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	15%	7%	9%			
Oversize Density - Dry (t/m³) :	2.21	2.05	2.08			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/174524	S/174525	S/174526			
MDR Test Date :	23/01/2023	24/01/2023	23/01/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Sandy Gravel - Brown	Sandy Gravel - Brown	Sandy Gravelly - Brown			
MDR Test Results						
PCWD (t/m3) :	2.02	2.07	1.98			
Moisture Variation :	2.0%	2.0%	1.5%			
ADJ PCWD (t/m3) :	2.05	2.07	1.99			
ADJ Moisture Variation :	1.5%	1.5%	1.5%			
Moisture Test Results :						
Field Moisture Content :	3.0%	3.5%	3.5%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	**1.5% 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			
Density Test Results						
Field Wet Density (t/m3) :	2.07	2.15	2.05			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**100.5%**	**104.0%**	**103.0%**			
	-	-	-			
Soil Particle Density (APD) t/m3 :						
Soil Particle Density (APD) Date :						
Remarks :						

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 81/1**
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/181525	S/181526	S/181527			
Date Tested :	14/02/2023	14/02/2023	14/02/2023			
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 :	10:31	10:40	10:42			
Lot Number :	-	-	-			
Location 1 :	E: 499153	E: 499164	E: 499176			
Location 2 :	N: 6932204	N: 6932191	N: 6932186			
Location 3 :	RL: 63.76	RL: 62.65	RL: 61.94			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	14%	17%	17%			
Oversize Density - Dry (t/m³) :	2.29	2.32	2.32			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/181525	S/181526	S/181527			
MDR Test Date :	2/03/2023	2/03/2023	2/03/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravelly Sandy Clay - Brown	Gravelly Sandy Clay - Brown	Gravelly Sandy Clay - Brown			
MDR Test Results						
PCWD (t/m3) :	2.13	2.11	2.12			
Moisture Variation :	4.0%	4.5%	4.5%			
ADJ PCWD (t/m3) :	2.15	2.14	2.15			
ADJ Moisture Variation :	3.5%	4.0%	3.5%			
Moisture Test Results :						
Field Moisture Content :	6.0%	5.5%	-			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	**3.5% Dry of OMC**	**4.0% Dry of OMC**	**3.5% Dry of OMC**			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m3) :	2.04	2.07	2.06			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**95.0%**	**96.5%**	**96.0%**			
	-	-	-			

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

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 106/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**20/04/2023**
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/190919	S/190920	S/190921			
Date Tested :	12/04/2023	12/04/2023	12/04/2023			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	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			
Time :	11:50	11:51	11:51			
Lot Number :	-	-	-			
Location 1 :	E 499382	E 499364	E 499344			
Location 2 :	N 6932161	N 6932164	N 6932200			
Location 3 :	0.6m Below Finish Level	0.6m Below Finish Level	0.6m Below Finish Level			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	18%	17%	17%			
Oversize Density - Dry (t/m³) :	2.21	2.10	2.27			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/190919	S/190920	S/190921			
MDR Test Date :	19/04/2023	19/04/2023	19/04/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravelly Clayey Sand - Brown	Gravelly Clayey Sand - Brown	Gravelly Clayey Sand - Brown			
MDR Test Results						
PCWD (t/m3) :	2.11	2.11	2.15			
Moisture Variation :	3.0%	2.5%	2.0%			
ADJ PCWD (t/m3) :	2.13	2.11	2.17			
ADJ Moisture Variation :	2.5%	2.5%	2.0%			
Moisture Test Results :						
Field Moisture Content :	7.0%	7.5%	7.0%			
Moisture Specification :	-	-	-			
Variation from OMC :	**2.5% Dry of OMC**	**2.5% 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/m3) :	2.16	2.16	2.22			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**101.5%**	**102.5%**	**102.5%**			

Remarks :	

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Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	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/m³) :	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/m3) :	2.21	2.21	2.22	2.21		
Moisture Variation :	2.5%	3.0%	2.5%	3.0%		
ADJ PCWD (t/m3) :	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/m3) :	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 :	

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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

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 122/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/05/2023**
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/193532	S/193533	S/193534	S/193535	S/193536	S/193537
Date Tested :	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
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 :	13:00	13:10	13:20	13:30	13:40	13:50
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499126	E 499075	E 499170	E 499202	E 499203	E 499232
Location 2 :	N 6932205	N 6932178	N 6932160	N 6932184	N 6932158	N 6932152
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 :	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/193532	S/193533	S/193534	S/193535	S/193536	S/193537
MDR Test Date :	3/05/2023	3/05/2023	3/05/2023	3/05/2023	3/05/2023	3/05/2023
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/m3) :	2.15	2.13	2.16	2.16	2.15	2.16
Moisture Variation :	2.0%	1.5%	1.5%	2.0%	1.5%	1.5%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	8.5%	8.5%	7.5%	8.5%	9.5%	9.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**1.5% 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/m3) :	2.17	2.15	2.18	2.17	2.18	2.16
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**101.0%**	**101.0%**	**101.0%**	**100.0%**	**101.5%**	**100.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 135/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**12/06/2023**
Project Name :	**Everleigh Estate - Precinct 9.4 Earthworks**	Test Request :	-
Project Number :	**PTP/10047**	**Page 1 of 2**	
Location :	**Greenbank**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/199801	S/199802	S/199803	S/199804	S/199805	S/199806
Date Tested :	6/06/2023	6/06/2023	6/06/2023	6/06/2023	6/06/2023	6/06/2023
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	08:10	08:20	08:30	08:40	08:50
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499290	E 499296	E 499450	E 499468	E 499505	E 499445
Location 2 :	N 6932171	N 6932142	N 6932127	N 6932112	N 6932064	N 6932013
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 :	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/199801	S/199802	S/199803	S/199804	S/199805	S/199806
MDR Test Date :	9/06/2023	9/06/2023	9/06/2023	9/06/2023	9/06/2023	9/06/2023
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) :	2.16	2.16	2.15	2.16	2.16	2.17
Moisture Variation :	0.5%	0.5%	1.5%	0.0%	1.5%	0.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	12.0%	11.5%	10.5%	12.0%	10.0%	13.0%
Moisture Specification :	+/-2.0% of OMC	+/-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% Dry of OMC**	**1.5% Dry of OMC**	**0.0% Dry of OMC**	**1.5% Dry of OMC**	**At 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) :	2.13	2.15	2.13	2.16	2.14	2.13
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**98.5%**	**99.5%**	**99.5%**	**99.5%**	**99.0%**	**98.0%**

Remarks :	

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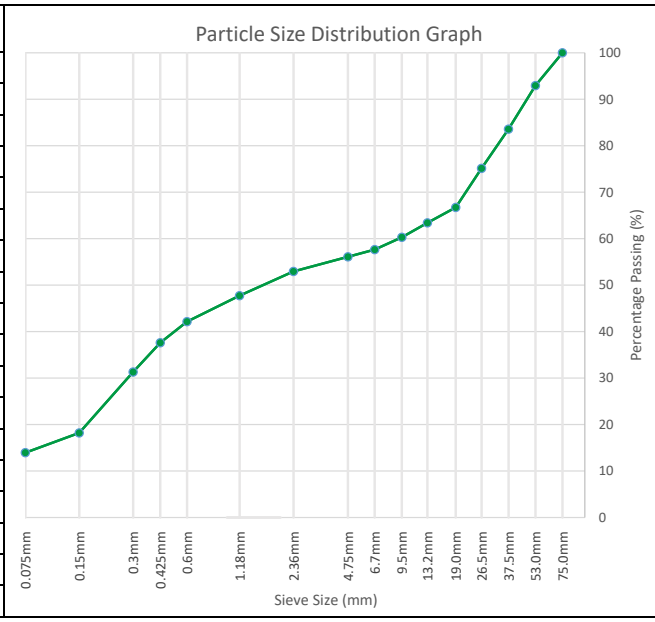
Particle Size Distribution Report

Client :	**Shadforths**	Report Number :	**SR/PTP/10047 - 137/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**16/06/2023**
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,**
Material Description	**Sandy GRAVEL trace Clay - Brown**

Sample Number :	**S/199768**	Sampling Method :	**AS1289.1.2.1 - cl6.4b**
Date Tested :	**12/06/2023**	Time :	**10:40**
Material Source :	**Onsite**	Location 1 :	**E 499031**
For Use As :	**General Fill**	Location 2 :	**N 6932211**
Lot Number :	-	Location 3 :	**Depth 0.00m - 0.60m**
PSD Specification Number :	**N/A**	Location 4 :	-

AS Sieve Size (mm) :	Percent Passing (%) :	Specification Limits :
75.0	**100**	
63.0		
53.0	**93**	
37.5	**84**	
26.5	**75**	
19.0	**67**	
16		
13.2	**63**	
9.5	**60**	
6.7	**58**	
4.75	**56**	
2.36	**53**	
1.18	**48**	
0.600	**42**	
0.425	**38**	
0.300	**31**	
0.150	**18**	
0.075	**14**	



Remarks :	-

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 11/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**6/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/197292	S/197293	S/197294	S/197295	S/197296	S/197297
Date Tested :	23/05/2023	23/05/2023	23/05/2023	23/05/2023	23/05/2023	23/05/2023
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	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 :	E 499135	E 499145	E 499165	E 499180	E 499198	E 499219
Location 2 :	N 6932280	N 6932299	N 6932302	N 6932303	N 6932304	N 6932306
Location 3 :	RL 2.9	RL 3.0	RL 2.8	RL 2.8	RL 2.7	RL 2.6
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/197292	S/197293	S/197294	S/197295	S/197296	S/197297
MDR Test Date :	26/05/2023	26/05/2023	26/05/2023	26/05/2023	26/05/2023	26/05/2023
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
MDR Test Results						
PCWD (t/m3) :	2.13	2.13	2.13	2.13	2.13	2.13
Moisture Variation :	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	15.5%	13.0%	10.5%	10.0%	16.5%	9.5%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC
Variation from OMC :	**1.0% Wet of OMC**	**1.0% Wet of OMC**	**1.0% Wet of OMC**	**1.0% Wet of OMC**	**1.0% Wet of OMC**	**1.0% Wet 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) :	2.08	2.08	2.09	2.09	2.10	2.09
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**98.0%**	**98.0%**	**98.0%**	**98.0%**	**98.5%**	**98.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 13/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**6/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/197965	S/197966	S/197967	S/197968	S/197969	S/197970
Date Tested :	26/05/2023	26/05/2023	26/05/2023	26/05/2023	26/05/2023	26/05/2023
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 :	09:15	09:30	09:45	10:00	10:15	10:30
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499308	E 499324	E 499359	E 499150	E 499133	E 499161
Location 2 :	N 6932271	N 6932304	N 6932315	N 6932308	N 6932248	N 6932240
Location 3 :	RL 58.5	RL 58.3	RL 58.1	RL 58.0	RL 58.7	RL 58.7
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/197965	S/197966	S/197967	S/197968	S/197969	S/197970
MDR Test Date :	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
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
MDR Test Results						
PCWD (t/m3) :	2.09	2.11	2.12	2.08	2.03	2.15
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	9.5%	9.0%	9.5%	9.5%	9.0%	10.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**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/m3) :	2.01	2.00	2.01	2.00	1.93	2.09
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**96.0%**	**95.0%**	**95.0%**	**95.5%**	**95.0%**	**97.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 13/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**6/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 2 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/197971	S/197972	S/197973	S/197974	S/197975	S/197976
Date Tested :	26/05/2023	26/05/2023	26/05/2023	26/05/2023	26/05/2023	26/05/2023
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 :	10:45	11:00	11:15	11:30	11:45	12:00
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499195	E 499158	E 499126	E 499094	E 499082	E 499103
Location 2 :	N 6932235	N 6932229	N 6932232	N 6932252	N 6932269	N 6932283
Location 3 :	RL 58.7	RL 58.7	RL 58.7	RL 58.7	RL 58.7	RL 58.7
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	0%	0%	0%	0%	5%	7%
Oversize Density - Dry (t/m³) :	-	-	-	-	2.30	2.27
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/197971	S/197972	S/197973	S/197974	S/197975	S/197976
MDR Test Date :	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
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
MDR Test Results						
PCWD (t/m3) :	2.03	2.02	2.04	2.03	2.12	2.12
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	2.13	2.13
ADJ Moisture Variation :	-	-	-	-	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	9.0%	9.5%	11.0%	11.5%	10.5%	10.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**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/m3) :	1.96	1.97	1.98	1.98	2.09	2.10
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**96.5%**	**97.5%**	**97.0%**	**97.5%**	**98.0%**	**98.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 15/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**12/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 2 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/198344	S/198345	S/198346	S/198347	S/198348	S/198349
Date Tested :	29/05/2023	29/05/2023	29/05/2023	29/05/2023	29/05/2023	29/05/2023
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	11:41
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499228	E 499194	E 499169	E 499147	E 499105	E 499107
Location 2 :	N 6932234	N 6932251	N 6932277	N 6932303	N 6932324	N 6932336
Location 3 :	RL 59.8	RL 60.2	RL 60.4	RL 64.05	RL 60.64	RL 64.05
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	7%	12%	10%	6%	17%	19%
Oversize Density - Dry (t/m³) :	2.34	2.11	2.19	2.34	2.23	2.13
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/198344	S/198345	S/198346	S/198347	S/198348	S/198349
MDR Test Date :	1/06/2023	1/06/2023	1/06/2023	1/06/2023	1/06/2023	1/06/2023
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/m3) :	2.03	2.21	1.97	2.04	1.98	1.97
Moisture Variation :	1.0%	1.0%	1.5%	2.0%	1.5%	1.5%
ADJ PCWD (t/m3) :	2.05	2.20	1.99	2.05	2.02	2.00
ADJ Moisture Variation :	1.0%	0.5%	1.5%	1.5%	1.5%	1.0%
Moisture Test Results :						
Field Moisture Content :	10.5%	9.5%	9.5%	8.0%	10.0%	9.5%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC
Variation from OMC :	**1.0% Dry of OMC**	**0.5% Dry of OMC**	**1.5% 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/m3) :	1.95	2.22	1.95	1.95	1.93	1.95
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**95.0%**	**101.0%**	**97.5%**	**95.0%**	**95.5%**	**97.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 16/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**12/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/198570	S/198571	S/198572	S/198573	S/198574	S/198575
Date Tested :	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
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 :	07:45	08:00	08:15	08:30	08:45	09:00
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499055	E 499088	E 499120	E 499156	E 499193	E 499221
Location 2 :	N 6932259	N 6932257	N 6932254	N 6932249	N 6932244	N 6932231
Location 3 :	RL 59.8	RL 58.8	RL 58.7	RL 58.6	RL 58.6	RL 58.5
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/198570	S/198571	S/198572	S/198573	S/198574	S/198575
MDR Test Date :	2/06/2023	2/06/2023	2/06/2023	2/06/2023	2/06/2023	2/06/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Sandy Gravelly CLAY - Light Brown	Sandy Gravelly CLAY - Light Brown	Sandy Gravelly CLAY - Light Brown	Sandy Gravelly CLAY - Light Brown	Sandy Gravelly CLAY - Light Brown	Sandy Gravelly CLAY - Light Brown
MDR Test Results						
PCWD (t/m3) :	1.98	2.01	1.99	1.98	1.99	1.99
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	9.0%	9.0%	9.0%	9.0%	8.5%	9.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**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/m3) :	1.94	1.99	1.98	1.95	1.95	1.96
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**98.0%**	**99.0%**	**99.5%**	**98.5%**	**98.0%**	**98.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 16/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**12/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 2 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/198576	S/198577	S/198578	S/198579	S/198580	S/198581
Date Tested :	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
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 :	09:15	09:30	09:45	10:00	10:15	10:30
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499261	E 499288	E 499194	E 499159	E 499115	E 499068
Location 2 :	N 6932254	N 6932261	N 6932266	N 6932271	N 6932276	N 6932282
Location 3 :	RL 59.4	RL 59.4	RL 59.6	RL 59.6	RL 59.7	RL 59.7
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/198576	S/198577	S/198578	S/198579	S/198580	S/198581
MDR Test Date :	2/06/2023	2/06/2023	2/06/2023	2/06/2023	2/06/2023	2/06/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown
MDR Test Results						
PCWD (t/m3) :	1.99	1.99	1.98	1.99	1.99	1.99
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	9.0%	10.0%	9.5%	9.5%	10.0%	10.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**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/m3) :	1.96	1.96	1.96	1.97	1.98	1.97
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**98.5%**	**99.0%**	**99.0%**	**99.0%**	**99.5%**	**99.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 17/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**12/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/198873	S/198874	S/198875	S/198876	S/198877	S/198878
Date Tested :	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
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	10:00	10:15	10:30
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499115	E 499138	E 499220	E 499250	E 499290	E 499304
Location 2 :	N 6933280	N 6932361	N 6932343	N 6932341	N 6932333	N 6932291
Location 3 :	RL 63.15	RL 63.1	RL 63.1	RL 63.0	RL 59.21	RL 58.5
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/198873	S/198874	S/198875	S/198876	S/198877	S/198878
MDR Test Date :	5/06/2023	5/06/2023	5/06/2023	5/06/2023	5/06/2023	5/06/2023
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
MDR Test Results						
PCWD (t/m3) :	2.01	2.01	2.01	2.02	2.02	2.02
Moisture Variation :	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	12.5%	11.0%	12.0%	10.5%	16.5%	14.5%
Moisture Specification :	+/-2.0% of OMC	+/-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% Dry of OMC**	**0.5% Dry of 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	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.00	1.99	2.01	1.99	2.01	2.00
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.5%**	**99.0%**	**100.0%**	**98.5%**	**99.5%**	**99.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 19/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**12/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/199360	S/199361	S/199362	S/199363	S/199364	S/199365
Date Tested :	2/06/2023	2/06/2023	2/06/2023	2/06/2023	2/06/2023	2/06/2023
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 :	E 499160	E 499131	E 499078	E 499099	E 499129	E 499147
Location 2 :	N 6932214	N 6932220	N 6932964	N 6932259	N 6932253	N 6932250
Location 3 :	RL 59.4	RL 59.4	RL 59.4	RL 60.5	RL 60.5	RL 60.5
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/199360	S/199361	S/199362	S/199363	S/199364	S/199365
MDR Test Date :	6/06/2023	6/06/2023	6/06/2023	6/06/2023	6/06/2023	6/06/2023
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) :	1.96	1.98	1.97	2.03	2.02	2.05
Moisture Variation :	1.5%	2.0%	2.0%	0.0%	1.5%	0.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	12.0%	12.0%	11.5%	13.0%	13.0%	12.5%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC
Variation from OMC :	**1.5% Dry of OMC**	**2.0% Dry of OMC**	**2.0% Dry of OMC**	**0.0% Dry of OMC**	**1.5% Dry of OMC**	**0.0% Wet 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) :	1.94	1.95	1.97	1.97	1.96	1.97
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.5%**	**98.5%**	**100.5%**	**97.0%**	**97.0%**	**96.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 19/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**12/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 2 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/199366	S/199367	S/199368	S/199369	S/199370	S/199371
Date Tested :	2/06/2023	2/06/2023	2/06/2023	2/06/2023	2/06/2023	2/06/2023
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 :	09:30	09:45	10:00	10:15	10:30	10:45
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499175	E 499199	E 499194	E 499171	E 499152	E 499128
Location 2 :	N 6932244	N 6932246	N 6932259	N 6932261	N 6932264	N 6932268
Location 3 :	RL 59.5	RL 59.5	RL 59.5	RL 60.5	RL 60.5	RL 60.5
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/199366	S/199367	S/199368	S/199369	S/199370	S/199371
MDR Test Date :	6/06/2023	6/06/2023	6/06/2023	6/06/2023	6/06/2023	6/06/2023
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) :	2.05	1.98	1.98	2.08	2.02	2.04
Moisture Variation :	2.0%	2.0%	1.0%	1.5%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	13.5%	12.0%	12.5%	12.5%	13.5%	12.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**1.0% 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) :	2.00	2.01	1.99	2.00	2.01	2.00
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**97.5%**	**101.5%**	**100.5%**	**96.5%**	**99.5%**	**98.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 20/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**13/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 3**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/199961	S/199962	S/199963	S/199964	S/199965	S/199966
Date Tested :	7/06/2023	7/06/2023	7/06/2023	7/06/2023	7/06/2023	7/06/2023
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	10:10	10:20	10:30	10:40	10:50
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499081	E 499188	E 499200	E 499253	E 499280	E 499276
Location 2 :	N 6932244	N 6932246	N 6932332	N 6932255	N 6932299	N 6932324
Location 3 :	RL 65.42	RL 65.30	RL 65.37	RL 65.47	RL 65.40	RL 65.44
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	18%	16%	13%	16%	15%	13%
Oversize Density - Dry (t/m³) :	2.38	2.37	2.39	2.41	2.40	2.43
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/199961	S/199962	S/199963	S/199964	S/199965	S/199966
MDR Test Date :	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/06/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown
MDR Test Results						
PCWD (t/m3) :	2.01	2.02	2.02	2.01	2.03	2.03
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.5%	2.0%
ADJ PCWD (t/m3) :	2.07	2.07	2.06	2.07	2.08	2.07
ADJ Moisture Variation :	1.5%	1.5%	1.5%	2.0%	2.0%	1.5%
Moisture Test Results :						
Field Moisture Content :	8.5%	9.0%	9.5%	9.0%	9.0%	10.0%
Moisture Specification :	+/-2.0% of OMC	+/-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% Dry of OMC**	**1.5% Dry of OMC**	**1.5% Dry of OMC**	**2.0% Dry of OMC**	**2.0% 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/m3) :	2.03	2.08	2.04	2.05	2.02	2.03
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**98.0%**	**100.0%**	**99.0%**	**99.5%**	**97.0%**	**97.5%**

Remarks :	

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Document Number : RF1 Date : 11/04/2023

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 20/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**13/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**		
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/199967	S/199968	S/199969	S/199970	S/199971	S/199972
Date Tested :	7/06/2023	7/06/2023	7/06/2023	7/06/2023	7/06/2023	7/06/2023
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 :	11:00	11:10	11:20	11:30	11:40	11:50
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499314	E 499285	E 499208	E 499257	E 499284	E 499365
Location 2 :	N 6932314	N 6932312	N 6932286	N 6932320	N 6932307	N 6932287
Location 3 :	RL 65.38	RL 65.33	RL 65.36	RL 65.40	RL 64.98	RL 64.95
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	14%	6%	4%	7%	0%	0%
Oversize Density - Dry (t/m³) :	2.13	2.06	2.04	2.10	-	-
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/199967	S/199968	S/199969	S/199970	S/199971	S/199972
MDR Test Date :	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/06/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown
MDR Test Results						
PCWD (t/m3) :	2.02	2.03	2.04	2.04	2.02	2.05
Moisture Variation :	0.5%	1.5%	1.5%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	2.04	2.04	2.04	2.04	-	-
ADJ Moisture Variation :	0.5%	1.0%	1.5%	2.0%	-	-
Moisture Test Results :						
Field Moisture Content :	11.5%	13.5%	13.0%	11.0%	10.5%	11.5%
Moisture Specification :	+/-2.0% of OMC	+/-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**	**1.0% 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/m3) :	1.95	1.94	1.99	2.07	1.97	2.00
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**95.5%**	**95.0%**	**98.0%**	**101.5%**	**97.5%**	**98.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 20/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**13/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**		
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/199973	S/199974	S/199975			
Date Tested :	7/06/2023	7/06/2023	7/06/2023			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	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			
Time :	12:00	12:10	12:20			
Lot Number :	-	-	-			
Location 1 :	E 499124	E 400118	E 499086			
Location 2 :	N 6932299	N 6932262	N 6932244			
Location 3 :	RL 64.94	RL 64.85	RL 64.90			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	10%	10%	12%			
Oversize Density - Dry (t/m³) :	2.12	2.08	1.89			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/199973	S/199974	S/199975			
MDR Test Date :	12/06/2023	12/06/2023	12/06/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown			
MDR Test Results						
PCWD (t/m3) :	2.06	2.06	2.06			
Moisture Variation :	1.0%	1.0%	1.0%			
ADJ PCWD (t/m3) :	2.06	2.07	2.04			
ADJ Moisture Variation :	0.5%	1.0%	1.0%			
Moisture Test Results :						
Field Moisture Content :	11.0%	11.5%	12.0%			
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**	**1.0% Dry of OMC**			
Relative Moisture Ratio (Q250) :	-	-	-			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m3) :	2.05	2.02	2.00			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**99.5%**	**98.0%**	**98.5%**			

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 21/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**14/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/197461	S/197462	S/197463	S/197464	S/197465	S/197466
Date Tested :	24/05/2023	24/05/2023	24/05/2023	24/05/2023	24/05/2023	24/05/2023
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 :	E 499153	E 499164	E 499187	E 499223	E 499262	E 499287
Location 2 :	N 6932275	N 6932264	N 6932264	N 6932268	N 6932270	N 6932283
Location 3 :	RL 3.0	RL 2.9	RL 2.9	RL 2.7	RL 2.6	RL 2.6
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/197461	S/197462	S/197463	S/197464	S/197465	S/197466
MDR Test Date :	26/05/2023	26/05/2023	26/05/2023	26/05/2023	26/05/2023	26/05/2023
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
MDR Test Results						
PCWD (t/m3) :	2.04	2.04	2.01	2.06	2.03	2.05
Moisture Variation :	1.5%	2.0%	1.5%	2.0%	2.0%	1.5%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	13.5%	14.0%	13.5%	12.5%	12.0%	12.0%
Moisture Specification :	+/-2.0% of OMC	+/-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% Dry of 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**
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) :	2.03	2.02	2.03	2.02	2.02	2.04
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.5%**	**99.0%**	**101.0%**	**98.0%**	**99.5%**	**99.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 22/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**14/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 3**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/200214	S/200215	S/200216	S/200217	S/200218	S/200219
Date Tested :	8/06/2023	8/06/2023	8/06/2023	8/06/2023	8/06/2023	8/06/2023
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	09:10	09:20	09:30	09:40	09:50
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499082	E 499042	E 499056	E 499095	E 499092	E 499082
Location 2 :	N 6932253	N 6932254	N 6932315	N 6932329	N 6932325	N 6932318
Location 3 :	RL 65.80	RL 65.94	RL 65.97	RL 66.12	RL 66.05	RL 66.11
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	0%	7%	0%	7%	0%	0%
Oversize Density - Dry (t/m³) :	-	2.19	-	2.22	-	-
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/200214	S/200215	S/200216	S/200217	S/200218	S/200219
MDR Test Date :	13/06/2023	13/06/2023	13/06/2023	13/06/2023	13/06/2023	13/06/2023
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/m3) :	2.02	2.05	2.02	2.00	2.01	2.01
Moisture Variation :	1.5%	2.0%	2.0%	2.0%	2.0%	1.5%
ADJ PCWD (t/m3) :	-	2.06	-	2.02	-	-
ADJ Moisture Variation :	-	2.0%	-	2.0%	-	-
Moisture Test Results :						
Field Moisture Content :	9.5%	9.0%	9.5%	9.0%	10.5%	10.0%
Moisture Specification :	+/-2.0% of OMC	+/-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% Dry of 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**
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) :	2.02	2.01	2.04	2.05	2.00	2.04
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.0%**	**97.5%**	**100.5%**	**101.5%**	**100.0%**	**101.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 22/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**14/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 2 of 3**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/200220	S/200221	S/200222	S/200223	S/200224	S/200225
Date Tested :	8/06/2023	8/06/2023	8/06/2023	8/06/2023	8/06/2023	8/06/2023
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	10:10	10:20	10:30	10:40	10:50
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499093	E 499079	E 499083	E 499070	E 499075	E 499061
Location 2 :	N 6932313	N 6932303	N 6932289	N 6932290	N 6932278	N 6932306
Location 3 :	RL 66.14	RL 65.99	RL 66.10	RL 66.14	RL 66.08	RL 66.20
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	3%	2%	0%	10%	7%	7%
Oversize Density - Dry (t/m³) :	2.20	2.20	-	2.12	2.12	2.15
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/200220	S/200221	S/200222	S/200223	S/200224	S/200225
MDR Test Date :	13/06/2023	13/06/2023	13/06/2023	13/06/2023	13/06/2023	13/06/2023
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/m3) :	2.04	2.05	2.09	2.03	2.05	2.04
Moisture Variation :	1.5%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	2.05	2.05	-	2.04	2.05	2.05
ADJ Moisture Variation :	1.5%	2.0%	-	1.5%	1.5%	1.5%
Moisture Test Results :						
Field Moisture Content :	10.0%	10.0%	10.5%	8.0%	9.5%	10.5%
Moisture Specification :	+/-2.0% of OMC	+/-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% Dry of OMC**	**2.0% Dry of OMC**	**2.0% Dry of OMC**	**1.5% 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/m3) :	2.03	2.02	2.10	2.08	2.05	2.03
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.0%**	**98.5%**	**100.5%**	**102.0%**	**99.5%**	**99.0%**

Remarks :	

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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

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 22/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**14/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 3 of 3**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/200226	S/200227	S/200228			
Date Tested :	8/06/2023	8/06/2023	8/06/2023			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	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			
Time :	11:00	11:10	11:20			
Lot Number :	-	-	-			
Location 1 :	E 499053	E 499056	E 499058			
Location 2 :	N 6932296	N 6932286	N 6932277			
Location 3 :	RL 66.16	RL 66.21	RL 66.20			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	0%	7%	0%			
Oversize Density - Dry (t/m³) :	-	2.39	-			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/200226	S/200227	S/200228			
MDR Test Date :	13/06/2023	13/06/2023	13/06/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown			
MDR Test Results						
PCWD (t/m3) :	2.06	2.05	2.07			
Moisture Variation :	2.0%	2.0%	2.0%			
ADJ PCWD (t/m3) :	-	2.07	-			
ADJ Moisture Variation :	-	2.0%	-			
Moisture Test Results :						
Field Moisture Content :	11.0%	10.5%	11.0%			
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			
Density Test Results						
Field Wet Density (t/m3) :	2.05	2.03	2.06			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**99.5%**	**98.0%**	**99.5%**			

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 23/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**22/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 2 of 3**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/200463	S/200464	S/200465	S/200466	S/200467	S/200468
Date Tested :	9/06/2023	9/06/2023	9/06/2023	9/06/2023	9/06/2023	9/06/2023
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 :	10:40	10:50	11:00	11:10	11:20	11:30
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499222	E 499063	E 499095	E 499038	E 499041	E 499042
Location 2 :	N 6932530	N 6932272	N 6932288	N 6932296	N 6932290	N 6932281
Location 3 :	RL 63.21	RL 65.90	RL 65.97	RL 66.12	RL 66.04	RL 66.10
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/200463	S/200464	S/200465	S/200466	S/200467	S/200468
MDR Test Date :	15/06/2023	15/06/2023	15/06/2023	15/06/2023	15/06/2023	15/06/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown
MDR Test Results						
PCWD (t/m3) :	2.06	2.06	2.06	2.07	2.15	2.15
Moisture Variation :	0.5%	0.0%	0.5%	0.5%	0.5%	0.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	15.0%	16.0%	14.0%	14.5%	14.5%	14.5%
Moisture Specification :	+/-2.0% of OMC	+/-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**	**0.0% Dry of OMC**	**0.5% Dry of OMC**	**0.5% Dry of OMC**	**0.5% Dry of OMC**	**0.0% 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) :	2.04	2.01	2.03	2.04	2.07	2.06
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.0%**	**97.5%**	**98.5%**	**98.5%**	**96.5%**	**95.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 23/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**22/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 3 of 3**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/200469	S/200470	S/200471			
Date Tested :	9/06/2023	9/06/2023	9/06/2023			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	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			
Time :	11:40	11:50	12:00			
Lot Number :	-	-	-			
Location 1 :	E 499043	E 499060	E 499078			
Location 2 :	N 6932323	N 6932341	N 6932344			
Location 3 :	RL 66.09	RL 66.17	RL 66.12			
Location 4 :	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm			
Oversize Wet :	0%	0%	0%			
Oversize Density - Dry (t/m³) :	-	-	-			
Assigned MDR (Yes/No) :	No	No	No			
MDR Sample Number :	S/200469	S/200470	S/200471			
MDR Test Date :	14/06/2023	14/06/2023	14/06/2023			
Compaction Type :	Standard	Standard	Standard			
Soil Description :	Sandy Gravelly CLAY - Light Brown	Sandy Gravelly CLAY - Light Brown	Sandy Gravelly CLAY - Light Brown			
MDR Test Results						
PCWD (t/m3) :	2.11	2.12	2.15			
Moisture Variation :	0.5%	0.5%	0.5%			
ADJ PCWD (t/m3) :	-	-	-			
ADJ Moisture Variation :	-	-	-			
Moisture Test Results :						
Field Moisture Content :	15.0%	14.5%	14.5%			
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			
Density Test Results						
Field Wet Density (t/m3) :	2.07	2.06	2.05			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**98.5%**	**97.0%**	**95.5%**			

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 26/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**22/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/200635	S/200636	S/200637	S/200638	S/200639	S/200640
Date Tested :	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/06/2023	12/06/2023
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 :	E 499197	E 499238	E 499282	E 499331	E 499456	E 499310
Location 2 :	N 6932493	N 6932493	N 6932487	N 6932477	N 6932488	N 6932495
Location 3 :	RL 63.3	RL 63.3	RL 63.3	RL 62.9	RL 62.9	RL 62.9
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/200635	S/200636	S/200637	S/200638	S/200639	S/200640
MDR Test Date :	15/06/2023	15/06/2023	15/06/2023	15/06/2023	15/06/2023	15/06/2023
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) :	2.09	2.08	2.08	2.09	2.07	2.09
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	8.0%	8.0%	8.0%	8.0%	8.0%	7.5%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**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/m3) :	2.00	2.00	2.02	2.01	2.02	2.02
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**96.0%**	**96.0%**	**97.0%**	**96.0%**	**97.5%**	**96.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 29/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**22/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/201075	S/201076	S/201077	S/201078	S/201079	S/201080
Date Tested :	14/06/2023	14/06/2023	14/06/2023	14/06/2023	14/06/2023	14/06/2023
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 :	09:40	09:50	10:00	10:10	10:20	10:30
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499067	E 499050	E 499087	E 499042	E 499058	E 499072
Location 2 :	N 6932255	N 6932274	N 6932282	N 6932319	N 6932337	N 6932323
Location 3 :	RL 66.30	RL 66:41	RL 66:35	RL 66:39	RL 66.50	RL 66.47
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/201075	S/201076	S/201077	S/201078	S/201079	S/201080
MDR Test Date :	16/06/2023	16/06/2023	16/06/2023	16/06/2023	16/06/2023	16/06/2023
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) :	2.12	2.11	2.09	2.11	2.09	2.11
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	10.0%	11.0%	10.0%	12.0%	10.0%	10.5%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**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/m3) :	2.13	2.11	2.11	2.10	2.10	2.11
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.5%**	**100.0%**	**101.0%**	**99.5%**	**100.5%**	**100.5%**

Remarks :	

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Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208

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Nick Dobson - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 31/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**23/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/201675	S/201676	S/201677	S/201678	S/201679	S/201680
Date Tested :	16/06/2023	16/06/2023	16/06/2023	16/06/2023	16/06/2023	16/06/2023
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 :	10:10	10:20	10:30	10:40	10:50	11:00
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499132	E 499115	E 499115	E 499114	E 499116	E 499119
Location 2 :	N 6932297	N 6932291	N 6932279	N 6932269	N 6932260	N 6932242
Location 3 :	RL 64.80	RL 64.94	RL 65.11	RL 64.94	RL 64.88	RL 64.84
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/201675	S/201676	S/201677	S/201678	S/201679	S/201680
MDR Test Date :	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown
MDR Test Results						
PCWD (t/m3) :	2.19	2.22	2.20	2.21	2.19	2.20
Moisture Variation :	2.0%	1.5%	1.5%	1.5%	1.5%	1.5%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	13.0%	12.5%	13.0%	12.5%	12.5%	13.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**1.5% Dry of OMC**	**1.5% 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/m3) :	2.12	2.14	2.09	2.08	2.11	2.13
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**97.0%**	**96.5%**	**95.0%**	**94.0%**	**96.5%**	**96.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 31/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**23/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 2 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/201681	S/201682	S/201683	S/201684	S/201685	S/201686
Date Tested :	16/06/2023	16/06/2023	16/06/2023	16/06/2023	16/06/2023	16/06/2023
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 :	11:10	11:20	11:30	11:40	11:50	12:00
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499124	E 499125	E 499121	E 499167	E 499126	E 499139
Location 2 :	N 6932292	N 6932282	N 6932275	N 6932264	N 6932266	N 6932290
Location 3 :	RL 64.90	RL 65.04	RL 65.08	RL 65.00	RL 64.90	RL 64.98
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/201681	S/201682	S/201683	S/201684	S/201685	S/201686
MDR Test Date :	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
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
MDR Test Results						
PCWD (t/m3) :	2.18	2.19	2.20	2.18	2.18	2.19
Moisture Variation :	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	12.5%	11.5%	11.5%	12.5%	12.0%	13.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC
Variation from OMC :	**1.0% Dry of OMC**	**1.0% Dry of OMC**	**1.0% Dry of OMC**	**1.0% Dry of OMC**	**1.0% 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/m3) :	2.07	2.10	2.14	2.13	2.10	2.13
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**95.0%**	**96.0%**	**97.0%**	**97.5%**	**96.0%**	**97.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 33/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**23/06/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 2 of 2**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/202214	S/202215	S/202216	S/202217	S/202218	S/202219
Date Tested :	21/06/2023	21/06/2023	21/06/2023	21/06/2023	21/06/2023	21/06/2023
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	11:40	11:50	12:00	12:10	12:20
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499259	E 499239	E 499223	E 499197	E 499185	E 499172
Location 2 :	N 6932254	N 6932271	N 6932261	N 6932271	N 6932270	N 6932280
Location 3 :	RL 59.17	RL 59.10	RL 58.17	RL 59.10	RL 58.07	RL 56.80
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	10%	0%	15%	12%	16%	7%
Oversize Density - Dry (t/m³) :	2.23	-	2.18	2.28	2.11	2.35
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/202214	S/202215	S/202216	S/202217	S/202218	S/202219
MDR Test Date :	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
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
MDR Test Results						
PCWD (t/m3) :	2.06	2.07	2.06	2.07	2.08	2.06
Moisture Variation :	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
ADJ PCWD (t/m3) :	2.08	-	2.08	2.09	2.08	2.07
ADJ Moisture Variation :	1.5%	-	1.0%	1.0%	1.5%	1.5%
Moisture Test Results :						
Field Moisture Content :	12.0%	12.5%	9.5%	10.0%	12.5%	15.0%
Moisture Specification :	+/-2.0% of OMC	+/-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% Dry of OMC**	**1.5% Dry of OMC**	**1.0% 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
Density Test Results						
Field Wet Density (t/m3) :	2.08	2.03	2.05	2.11	2.06	2.08
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.0%**	**98.0%**	**98.5%**	**101.0%**	**98.5%**	**100.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 35/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**5/07/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/201832	S/201833	S/201834	S/201835	S/201836	S/201837
Date Tested :	19/06/2023	19/06/2023	19/06/2023	19/06/2023	19/06/2023	19/06/2023
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	10:40	10:50	11:00	11:10	11:20
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499101	E 499077	E 499105	E 499088	E 499102	E 499091
Location 2 :	N 6932251	N 6932270	N 6932288	N 6932268	N 6932274	N 6932304
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%	12%	11%	14%	15%	0%
Oversize Density - Dry (t/m³) :	2.50	2.53	2.47	2.50	2.46	-
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/201832	S/201833	S/201834	S/201835	S/201836	S/201837
MDR Test Date :	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown	Sandy Gravelly CLAY - Brown
MDR Test Results						
PCWD (t/m3) :	2.11	2.12	2.12	2.12	2.12	2.11
Moisture Variation :	2.5%	2.0%	2.0%	2.0%	1.5%	2.0%
ADJ PCWD (t/m3) :	2.16	2.16	2.15	2.16	2.17	-
ADJ Moisture Variation :	2.0%	2.0%	1.5%	1.5%	1.0%	-
Moisture Test Results :						
Field Moisture Content :	10.0%	11.0%	12.0%	11.5%	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	+/-2.0% of OMC
Variation from OMC :	**2.0% Dry of OMC**	**2.0% Dry of OMC**	**1.5% Dry of OMC**	**1.5% Dry of OMC**	**1.0% 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) :	2.13	2.15	2.12	2.13	2.16	2.14
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**98.5%**	**99.5%**	**98.5%**	**99.0%**	**99.5%**	**101.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 48/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**25/07/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/206199	S/206200	S/206201	S/206202	S/206203	S/206204
Date Tested :	12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
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 :	12:30	12:40	12:50	13:00	13:10	13:20
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499105	E 499107	E 499110	E 499070	E 499072	E 499112
Location 2 :	N 6932415	N 6932409	N 6932413	N 6932322	N 6932309	N 6932319
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 :	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/206199	S/206200	S/206201	S/206202	S/206203	S/206204
MDR Test Date :	20/07/2023	20/07/2023	20/07/2023	20/07/2023	20/07/2023	20/07/2023
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
MDR Test Results						
PCWD (t/m3) :	2.06	2.06	2.01	2.09	2.05	2.02
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	9.5%	10.5%	11.0%	9.0%	10.5%	11.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**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/m3) :	2.06	2.07	2.03	2.06	2.06	2.04
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.5%**	**100.5%**	**101.5%**	**99.0%**	**100.5%**	**101.0%**

Remarks :	

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Protest Engineering (Gold Coast) Accreditation Number - 19667
Base Laboratory Site Number - 22838 - Gold Coast

Base Laboratory Address - 8/36 Blanck Street, ORMEAU, QLD 4208

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 54/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**14/08/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/208241	S/208242	S/208243	S/208244	S/208245	S/208246
Date Tested :	21/07/2023	21/07/2023	21/07/2023	21/07/2023	21/07/2023	21/07/2023
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 :	11:40	11:50	12:00	12:10	12:20	12:30
Lot Number :	-	-	-	-	-	-
Location 1 :	E 498938	E 498932	E 498933	E 498929	E 498923	E 498914
Location 2 :	N 6932283	N 6932273	N 6932262	N 6932248	N 6932236	N 6932220
Location 3 :	RL 71.80	RL 71.84	RL 71.81	RL 71.85	RL 71.88	RL 71.90
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	10%	12%	16%	11%	16%	12%
Oversize Density - Dry (t/m³) :	2.16	2.11	2.08	2.16	2.20	2.18
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/208241	S/208242	S/208243	S/208244	S/208245	S/208246
MDR Test Date :	1/08/2023	1/08/2023	1/08/2023	1/08/2023	1/08/2023	1/08/2023
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) :	2.06	2.13	2.00	2.05	2.08	2.02
Moisture Variation :	0.5%	0.0%	0.0%	0.5%	0.5%	1.0%
ADJ PCWD (t/m3) :	2.07	2.13	2.01	2.06	2.10	2.04
ADJ Moisture Variation :	0.5%	-	0.0%	0.5%	0.5%	1.0%
Moisture Test Results :						
Field Moisture Content :	-	9.5%	-	13.0%	11.5%	9.0%
Moisture Specification :	+/-2.0% of OMC	+/-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**	**At OMC**	**0.0% Dry of OMC**	**0.5% Dry of OMC**	**0.5% 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/m3) :	2.04	2.07	2.04	2.05	2.08	2.07
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**98.5%**	**97.0%**	**101.0%**	**99.5%**	**99.0%**	**101.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 55/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**14/08/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/208524	S/208526	S/208527	S/208528	S/208529	S/208530
Date Tested :	24/07/2023	24/07/2023	24/07/2023	24/07/2023	24/07/2023	24/07/2023
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 :	11:10	11:20	11:30	11:40	11:50	12:00
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499177	E 499188	E 499204	E 499216	E 499229	E 499237
Location 2 :	N 6932246	N 6932237	N 6932239	N 6932227	N 6932234	N 6932229
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%	8%	9%	10%	6%	0%
Oversize Density - Dry (t/m³) :	2.16	2.11	2.12	2.15	2.13	-
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/208524	S/208526	S/208527	S/208528	S/208529	S/208530
MDR Test Date :	3/08/2023	3/08/2023	3/08/2023	3/08/2023	3/08/2023	3/08/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown	Sandy CLAY - Light Brown
MDR Test Results						
PCWD (t/m3) :	2.06	2.07	2.08	2.06	2.07	2.06
Moisture Variation :	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
ADJ PCWD (t/m3) :	2.08	2.07	2.08	2.07	2.08	-
ADJ Moisture Variation :	1.0%	1.0%	1.0%	1.0%	1.0%	-
Moisture Test Results :						
Field Moisture Content :	6.0%	7.5%	5.5%	7.5%	7.0%	6.5%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC
Variation from OMC :	**1.0% Dry of OMC**	**1.0% Dry of OMC**	**1.0% Dry of OMC**	**1.0% Dry of OMC**	**1.0% 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/m3) :	2.03	2.04	2.02	2.06	2.04	2.05
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**97.5%**	**98.5%**	**97.0%**	**100.0%**	**98.0%**	**99.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 56/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**14/08/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**AS1289.5.4.1, AS1289.5.8.1, AS1289.2.1.1, AS1289.5.7.1,**

Sample Number :	S/208733	S/208734	S/208735	S/208736	S/208737	S/208738
Date Tested :	25/07/2023	25/07/2023	25/07/2023	25/07/2023	25/07/2023	25/07/2023
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 :	12:10	12:20	12:30	12:40	12:50	13:00
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499006	E 499017	E 499018	E 499028	E 499005	E 498998
Location 2 :	N 6932319	N 6932314	N 6932305	N 6932301	N 6932328	N 6932331
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 :	5%	13%	0%	7%	5%	6%
Oversize Density - Dry (t/m³) :	2.11	1.91	-	2.10	2.08	2.19
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/208733	S/208734	S/208735	S/208736	S/208737	S/208738
MDR Test Date :	7/08/2023	0/01/1900	0/01/1900	7/08/2023	4/08/2023	7/08/2023
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
MDR Test Results						
PCWD (t/m3) :	2.04	2.11	2.11	2.06	2.06	2.06
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.5%
ADJ PCWD (t/m3) :	2.04	2.08	-	2.07	2.06	2.07
ADJ Moisture Variation :	2.0%	1.5%	-	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	6.0%	5.0%	8.5%	7.0%	7.5%	6.5%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-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**	**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/m3) :	2.04	2.04	2.07	2.06	2.09	2.06
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.5%**	**98.0%**	**98.0%**	**99.5%**	**101.0%**	**100.0%**

Remarks :	

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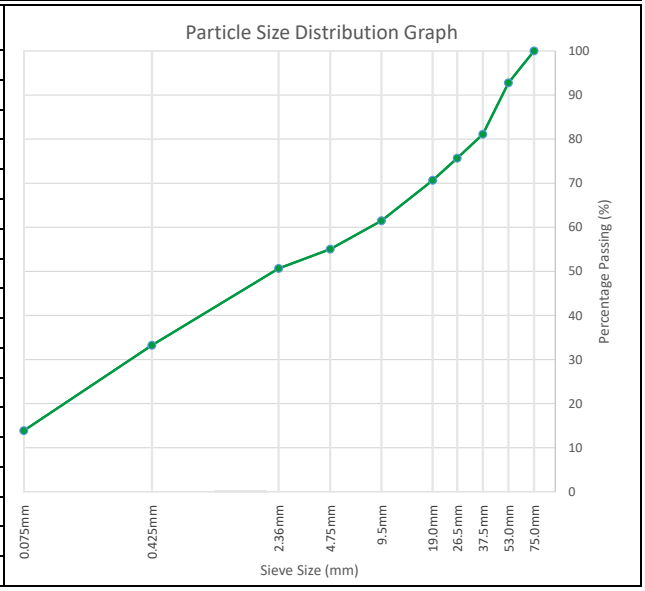
Particle Size Distribution Report

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 75/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**15/09/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

Test Methods :	**Q103A, AS1289.2.1.1,**
Material Description	**Clayey Sandy GRAVEL - Brown**

Sample Number :	**S/217767**	Sampling Method :	**AS1289.1.2.1 - cl6.4b**
Date Tested :	**12/09/2023**	Time :	**10:30**
Material Source :	**Onsite**	Location 1 :	**E 499471**
For Use As :	**General Fill (Lot)**	Location 2 :	**N 6932280**
Lot Number :	-	Location 3 :	**Finish Level**
PSD Specification Number :	**N/A**	Location 4 :	-

AS Sieve Size (mm) :	Percent Passing (%) :	Specification Limits :
75.0	**100**	
63.0		
53.0	**93**	
37.5	**81**	
26.5	**76**	
19.0	**71**	
16		
13.2		
9.5	**61**	
6.7		
4.75	**55**	
2.36	**51**	
1.18		
0.600		
0.425	**33**	
0.300		
0.150		
0.075	**14**	



Remarks :	-

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