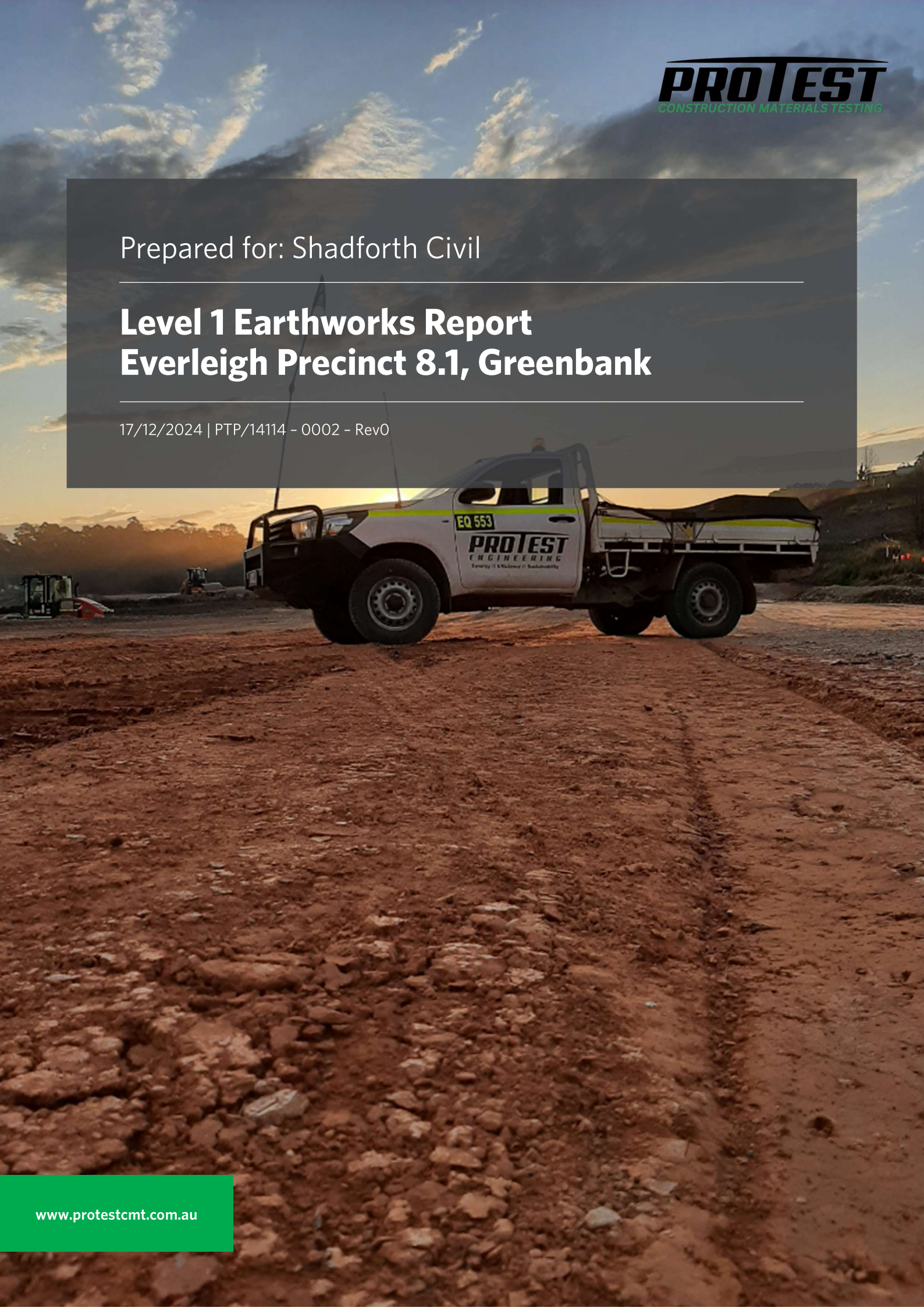

PROTEST
CONSTRUCTION MATERIALS TESTING

Prepared for: Shadforth Civil

Level 1 Earthworks Report
Everleigh Precinct 8.1, Greenbank

17/12/2024 | PTP/14114 - 0002 - Rev0

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REPORT DETAILS

Unique Document Identification

Item	Description
Document Title	Level 1 Earthworks Report
Project Number	PTP/14114
Document ID	PTP/14114 – 0002 – Rev0
Client	Shadforth Civil
Client Contact	Jacob Hines

Protest Office Details

Item	Description
Location	Gold Coast
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Revision Details

Revision No.	Date	Comments
0	17/12/2024	Final Report Issued

Document Approval

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1 INTRODUCTION

This report summarises the results of inspection and testing provided by Protest CMT (Protest) for the bulk earthworks as part of the Everleigh Precinct 8.1 project undertaken between June 2023 and July 2024. The works were undertaken at the request of Shadforth Civil.

The scope of inspection and testing undertaken was in general accordance with AS3798-2007 – '*Guidelines on Earthworks for Commercial and Residential Developments'*. As part of the inspection and testing undertaken, Protest provided Level 1 supervision in accordance with Section 8.2 of AS3798-2007. Figure 1 indicates the approximate extent of Level 1 works carried out.

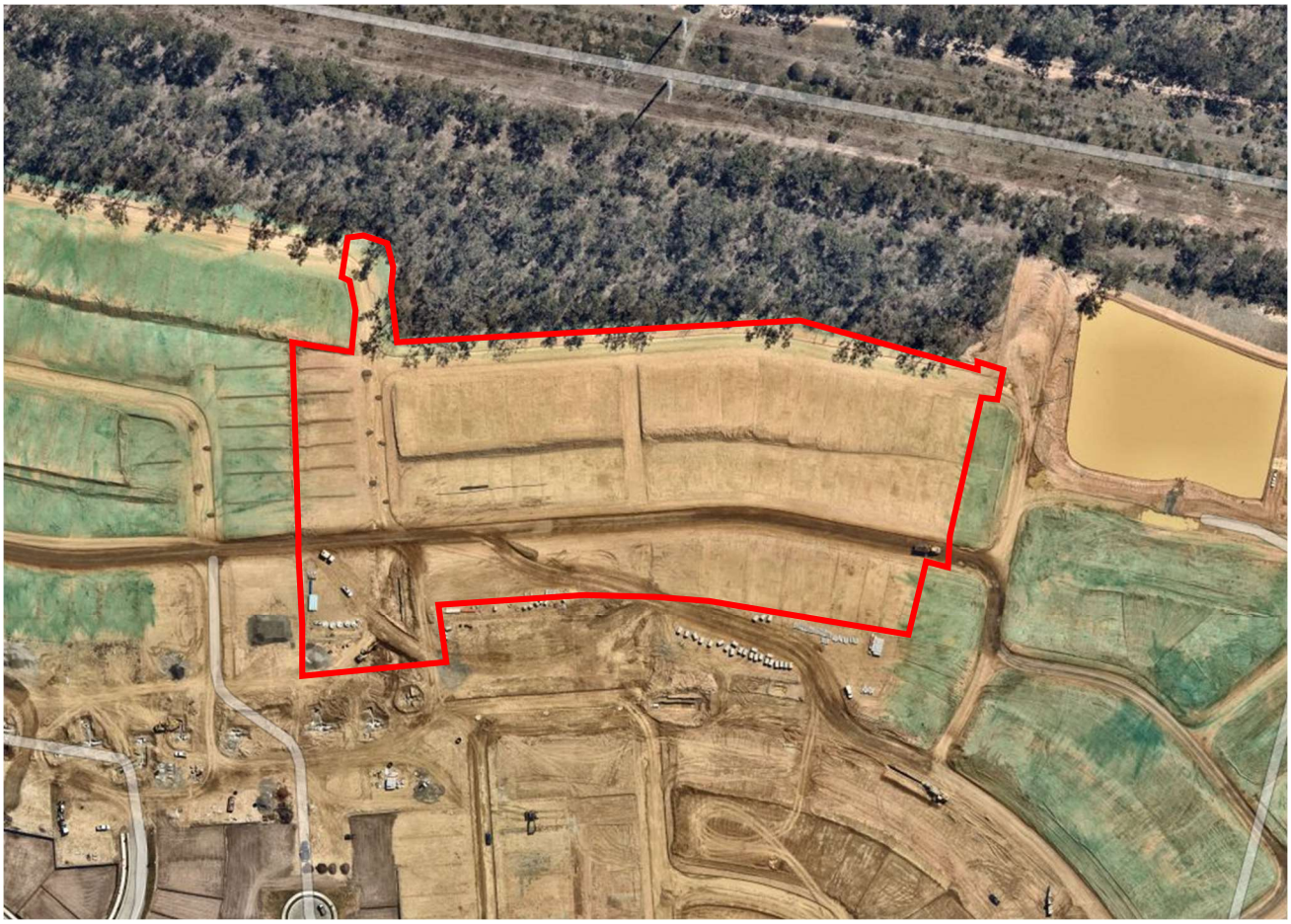


Figure 1: Approximate extent of level 1 works (Image extracted from Nearmap, dated 20/09/2024)

Drawing No. MIR-1010, Sheet C200 (Premise) attached is the bulk earthworks layout plan. The frequency of field density testing adopted for this project was generally based on AS3798-2007, Table 8.1 – '*Frequency of Field Density Tests*' with a minimum of one test per 500 m^3 placed for a large project type.

Based on the information provided within the notes of Drawing No. MIR-1010, Sheet C210 (Premise), the minimum relative compaction requirements were specified. A summary of the criteria is shown in Table 1.

Table 1: Test Request Compaction and Moisture Content Specification

Fill Type	Dry Density Ratio	Moisture Variation
Residential General Fill	95%	±2% (Dry/Wet of OMC)

(Note: OMC = Optimum Moisture Content)

2 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 drawing MIR-1010-C210-B (Premise).
- Recommendations in Morrison Geotechnic Pty Ltd report "Recommended Filling Earthworks Specification" report 16520B, dated 25th June 2020.

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-1010-C210-B. The earthworks specification is presented as Figure 4 below.

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

Figure 2: Earthworks Specification

Figures 3 and 4 show the actual fill areas and conformance with the 600mm and 100mm below finished surface level as shown on the Shadforth Civil Survey Plans.

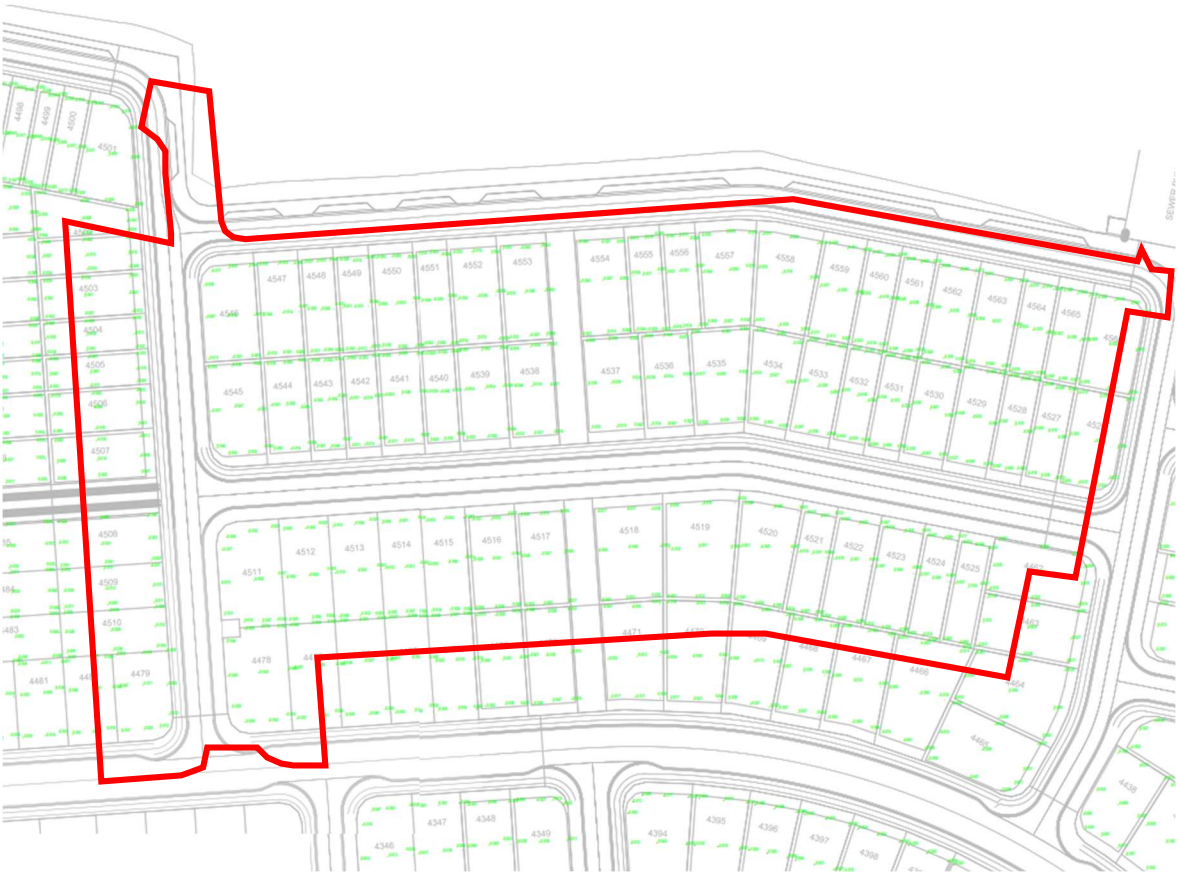


Figure 3: Actual Constructed Area of Fill (600mm BFSL) – Shadforth Survey Plans

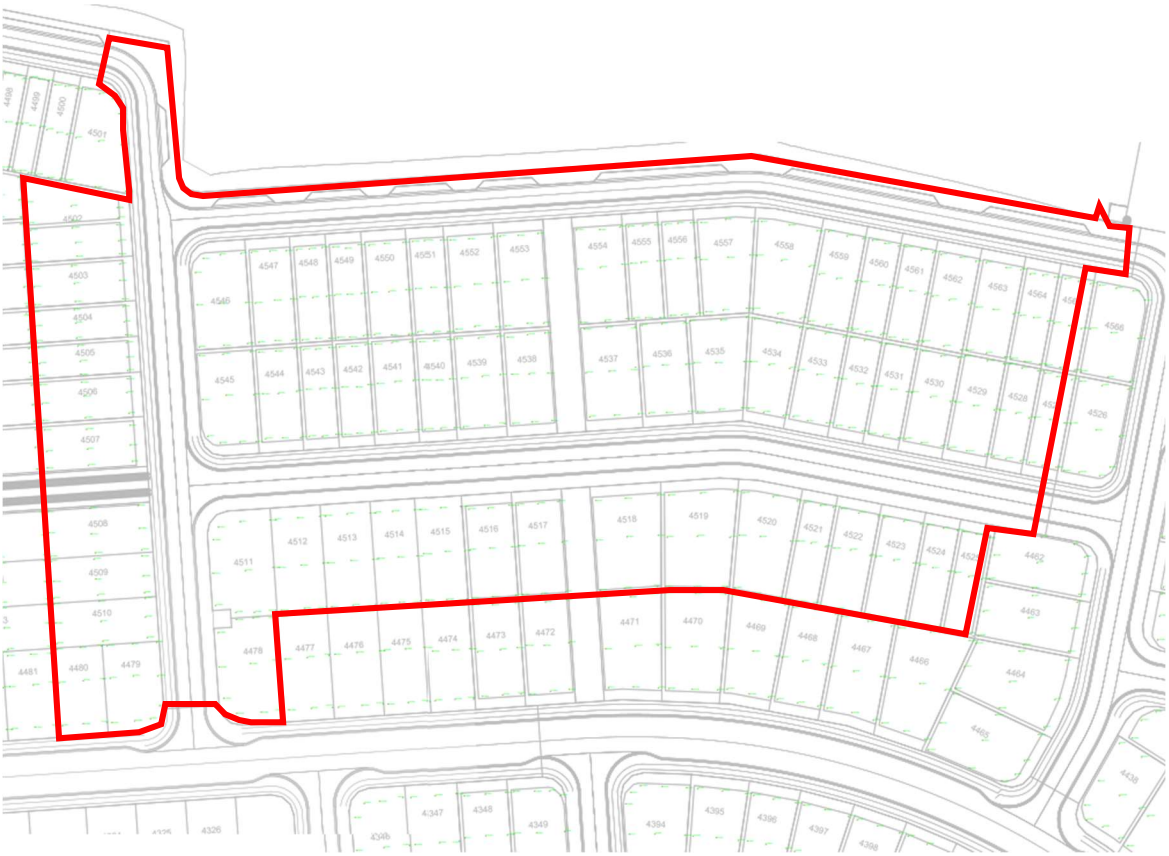


Figure 4: Actual Constructed Area of Fill (100mm BFSL) – Shadforth Survey Plans

3 EARTHWORKS ACTIVITIES

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

Field and laboratory testing included walk over assessments of the existing ground conditions, proof roll testing of the 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

Foundation preparation observed by Protest comprised the removal of topsoil and unsuitable materials across the cut to fill area exposing the underlying natural materials. A proof roll was performed on the natural soils using a large sized truck carrying out multiple passes and no noticeable movement was observed on the final pass. A photo showing the site during stripping operations is given in Figure 5

Figure 5: View of the Site during Stripping Operations

3.2 Filling Activites

Following successful proof rolling, filling operations comprised the placement and compaction of material obtained from onsite cuts, which were typically gravelly sandy clay or ripped or blasted sandstone with properties of clayey gravelly sand.

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.

Materials were placed onsite in uniform layers not exceeding 300 mm thick, with the plant detailed below. The material used as fill was moisture conditioned at the fill source and during placement and blended to achieve suitable moisture content for compaction.

The following heavy plant were used throughout the bulk earthworks component:

- Water carts
- Pad foot roller
- Dozers
- Excavators
- Grader
- Front end loader
- Cat 825 compactor
- Articulated dump truck
- Mechancial rock crushers

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, these 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).

A total of 98 field density ratio tests were undertaken at locations selected by Protest during the filling operations. Field density testing was carried out using a nuclear gauge and in accordance with the test method outlined in AS1289.5.8.1. The relative compaction was then determined by comparing the recorded field density with the laboratory compaction control test (standard compaction) outlined in test method AS1289.5.7.1.

Testing achieved the required specification of 95% of the maximum Hilf Density at the test locations. The individual test reports are attached in Appendix 2 and the approximate test locations are shown on the marked earthworks layout plan in Appendix 1. These test locations and levels were not obtained by survey and therefore should only be considered as approximate. Figures 6 and 7 are photos that were taken during the earthworks and show general filling operations.

Figure 6: View of the Site during construction

Figure 7: View of the Site during construction

4 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 AS3798-2007 – '*Guidelines on Earthworks for Commercial and Residential Developments*'.

The fill can be deemed to be 'controlled' in accordance with AS2870-2011 Residential Slabs and Footings.

5 COMMENTS

Protest believes consideration should be given to the following:

- This report only certifies the bulk earthworks activities supervised by Protest between June 2023 and July 2024. Protest does not take responsibility for any other bulk earthworks activities that have occurred before or after these dates.
- The installation of services or any activities that may cause disturbance of the compacted filling
- The suitability of the filled land to support the proposed structures
- Any variation in filling depth of extent of areas that is not noted within this report or on the individual test report sheets

6 LIMITATIONS

Protest CMT ("Protest") has prepared this report for the bulk earthworks at Everleigh Precinct 8.1, Greenbank. This report was produced for the sole use of Shadforth Civil. This Report should not be used or relied upon for any other purpose without Protest's prior written consent. Protest does not accept any responsibility or liability in any way whatsoever for the use or reliance of this Report by anyone other than the Client, its designers, its clients, and relevant statutory authorities or by anyone else for any purpose other than that for which it has been prepared. In the preparation of this report Protest has relied upon information provided by the client and/or their agents.

Assessments of material quality such as soaked CBR and site classifications are excluded from this commission. This report is not to be relied upon for settlement analysis and soft soils engineering advice. This is beyond the scope of this report and outside our engagement.

Our onsite attendance specifically excludes assessments of fill material quality and engineering properties that are outside the requirements of AS3798-2007, including soil or fill reactivity and soaked CBR values. We note that the fill materials used may result in unfavourable site classifications and low subgrade design strengths.

The results provided in this report are indicative of the subsurface conditions on the site only at the specific sampling or testing locations, and then only to the depths investigated along with the time the work was carried out. It is known that subsurface conditions can suddenly change due to irregular geological processes and as a result of human influences. Such changes may occur after Protest field testing has been completed.

Certain ground conditions and the materials behaviour observed or contained at the test locations may alter from those which may be encountered elsewhere on the site. Should variations in subsurface conditions be encountered, then additional advice should be sought from Protest and, if required, amendments made.

Protest cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome, or conclusion given in this report.

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.

The Following should also be considered:

- This report is not a SITE CLASS REPORT as per AS2870-2011 and not a Geotechnical Site Investigation report as per AS1726-2017;
- The shrink/swell movements which can occur in the residual silty clays due to weather related natural moisture changes by the reduction in surface evaporation subsequent to covering the site with buildings and pavements. As outlined in AS2870-2011 – '*Residential Slabs and Footings*';
- It should be noted that there is a possibility that compaction levels may have increased during placement of subsequent layers especially when there have been fully laden earthmoving equipment frequently travel across the fill areas exerting high traffic loads; and
- All compacted filling is subject to decompaction phenomenon.

Protest does not accept any liability or responsibility whatsoever for, or in respect of, any use or reliance upon this Report by any other party. Protest is not obliged to enter into discussions with any third party in respect of this Report.

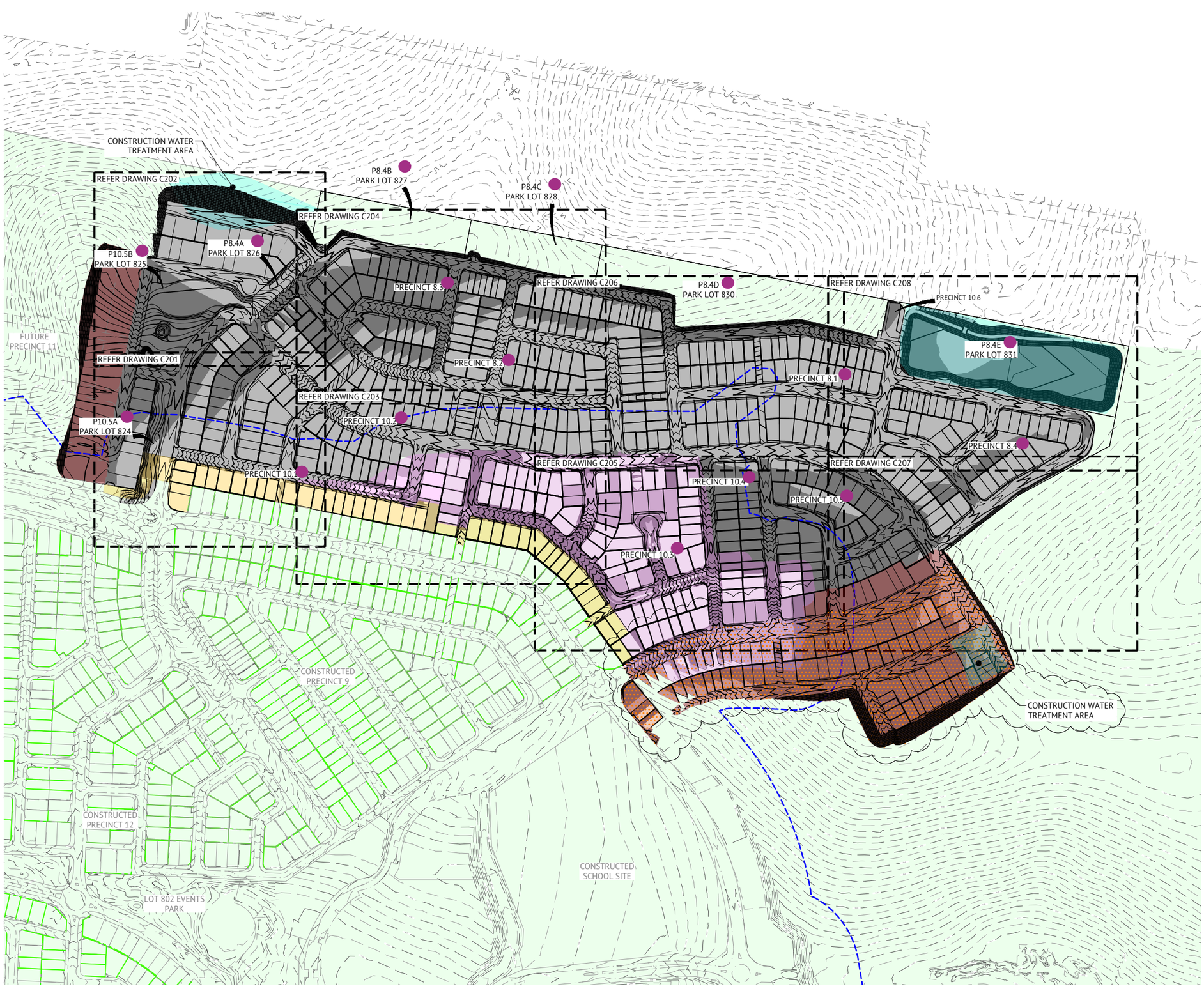
We trust that the above information is suitable for your present requirements. Should you have any queries, please do not hesitate to contact this office.

Appendices:
A. Site Plan & Testing Locations.
B. Laboratory Test Reports.

01

Appendix A

Site Plan & Testing Locations



N

LEGEND - PROPOSED

- EXTENT OF CUT
- EXTENT OF FILL
- BORROW AREA. EXTENT MAY VARY AS PER CHANGES TO FUTURE LOT LAYOUT
- BORROW AREA - 1.0m DEEPER THAN FSL WITHIN ROAD RESERVES AND 0.6m DEEPER THAN FSL WITHIN LOT AREAS.
- CONSTRUCTION WATER TREATMENT AREA
- BORROW AREA EXTENT FOR PRECINCT 9 EARTHWORKS.
- 12.0 FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- VEGETATION CLEARING LINE
- PRECINCT BOUNDARY

LEGEND - EXISTING

- EARTHWORKS COMPLETED AS PART OF PRECINCT 9. REFER TO APPROVED DRAWINGS DEV2020/1160 DATED 26 AUGUST 2021
- 12.0 EXISTING CONTOURS (0.50m)
- RETAINING WALL
- EXISTING VEGETATION CLEARING LINE

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
05/02/2024	C	UPDATED BORROW AREA AND LEGEND	KK	PB
06/06/2023	B	UPDATED EARTHWORKS	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

REVISIONS

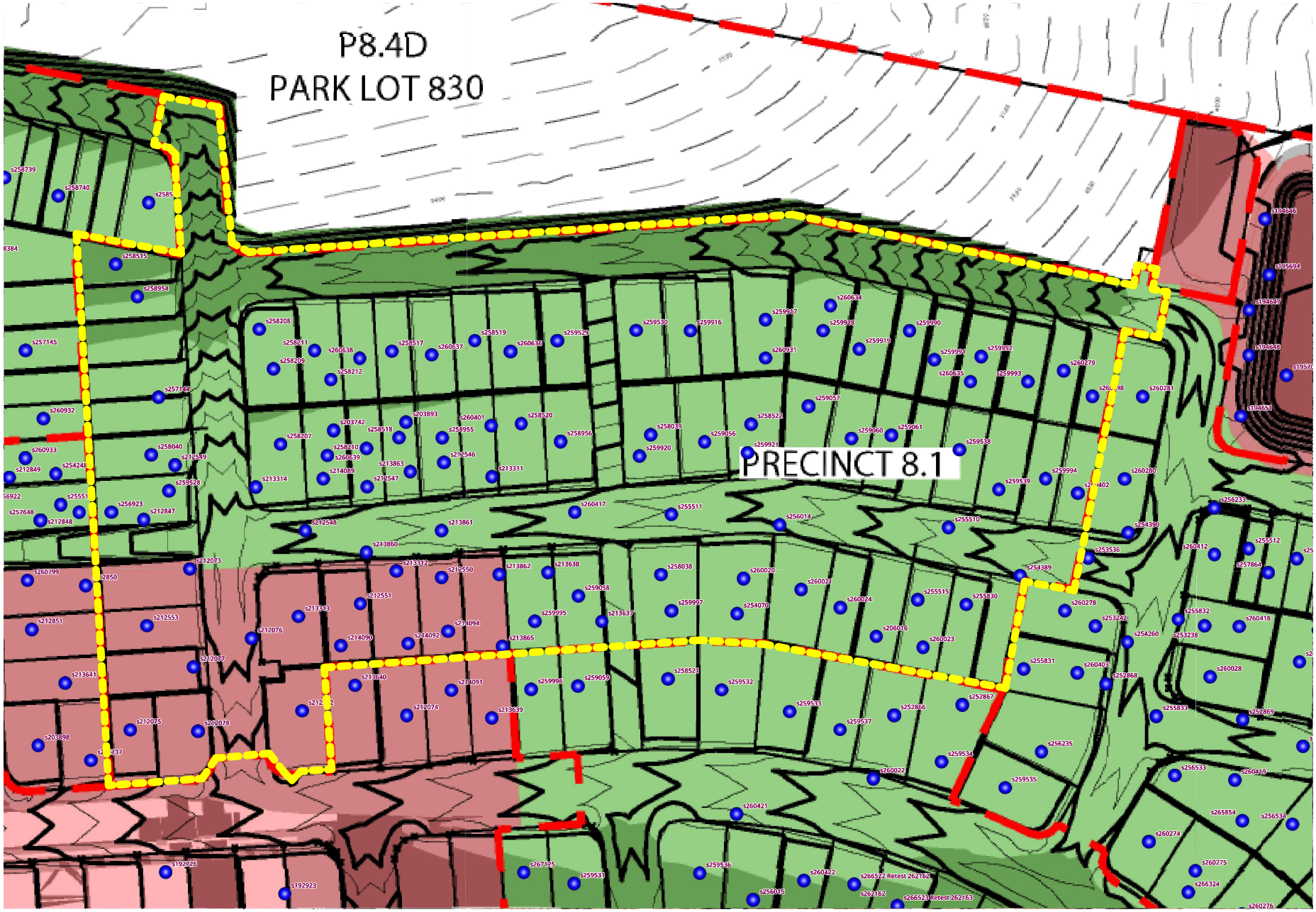
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 50 100 150m
SCALE 1:2500 (A1)
ORIGINAL SHEET SIZE A1

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

JOB CODE MIR-1010
SHEET NUMBER C200
REV C



EVERLEIGH PRECINCT 8.1 - LEVEL 1 TESTS

02

Appendix B
Laboratory Test Reports

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/11755 - 41/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**18/07/2023**
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/203737	S/203738	S/203739	S/203740	S/203741	S/203742
Date Tested :	28/06/2023	28/06/2023	28/06/2023	28/06/2023	28/06/2023	28/06/2023
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 :	14:00	14:10	14:20	14:30	14:40	14:50
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499369	E 499377	E 499397	E 499387	E 499377	E 499395
Location 2 :	N 6932280	N 6932309	N 6932314	N 6932274	N 6932304	N 6932293
Location 3 :	RL 55.70	RL 55.76	RL 55.80	RL 55.67	RL 55.84	RL 55.90
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	7%	0%	13%	17%	17%	13%
Oversize Density - Dry (t/m³) :	2.13	-	2.15	2.11	2.13	2.19
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/203737	S/203738	S/203739	S/203740	S/203741	S/203742
MDR Test Date :	4/07/2023	4/07/2023	4/07/2023	4/07/2023	4/07/2023	4/07/2023
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	2.11	2.02	2.03	2.12	2.02
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	1.0%	2.5%
ADJ PCWD (t/m3) :	2.07	-	2.04	2.04	2.12	2.04
ADJ Moisture Variation :	2.0%	-	2.0%	2.0%	1.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	9.5%	10.0%	9.5%	8.5%	8.5%	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**	**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) :	2.07	2.09	2.05	2.05	2.07	2.06
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.0%**	**99.0%**	**100.5%**	**100.5%**	**97.5%**	**100.5%**

Remarks :	

NATA
WORLD RECOGNISED ACCREDITATION

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/11755 - 42/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**18/07/2023**
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/203889	S/203890	S/203891	S/203892	S/203893	S/203894
Date Tested :	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
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 :	09:20	09:30	09:40	09:50	10:00	10:10
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499397	E 499405	E 499375	E 499373	E 499376	E 499395
Location 2 :	N 6932262	N 6932297	N 6932299	N 6932297	N 6932295	N 6932311
Location 3 :	RL 55.79	RL 55.90	RL 55.89	RL 55.79	RL 55.80	RL 55.98
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/203889	S/203890	S/203891	S/203892	S/203893	S/203894
MDR Test Date :	5/07/2023	5/07/2023	5/07/2023	5/07/2023	5/07/2023	5/07/2023
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) :	2.04	2.05	2.04	2.02	2.03	2.03
Moisture Variation :	2.0%	2.0%	2.0%	2.5%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	12.0%	12.0%	11.5%	12.0%	12.0%	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**	**2.5% 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) :	2.06	2.08	2.04	2.07	2.07	2.05
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**101.0%**	**102.0%**	**100.0%**	**102.5%**	**101.5%**	**101.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 42/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**18/07/2023**
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/203895	S/203896	S/203897	S/203898	S/203899	S/203900
Date Tested :	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
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 :	10:20	10:30	10:40	10:50	11:00	11:10
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499400	E 499398	E 499401	E 499393	E 499404	E 499396
Location 2 :	N 6932310	N 6932307	N 6932307	N 6932309	N 6932290	N 6932284
Location 3 :	RL 56.12	RL 56.09	RL 56.20	RL 56.22	RL 56.19	RL 56.17
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/203895	S/203896	S/203897	S/203898	S/203899	S/203900
MDR Test Date :	5/07/2023	5/07/2023	5/07/2023	5/07/2023	5/07/2023	5/07/2023
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	2.07	2.03	2.02	2.06
Moisture Variation :	2.0%	2.0%	2.0%	1.5%	0.0%	1.5%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	11.5%	11.0%	9.5%	12.5%	12.0%	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**	**1.5% Dry of OMC**	**0.0% Dry of OMC**	**1.5% Dry of OMC**
Relative Moisture Ratio (Q250) :	-	-	-	-	-	-
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.11	2.07	2.09	2.05	2.07	2.11
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**102.5%**	**97.0%**	**100.5%**	**101.0%**	**102.5%**	**102.5%**

Remarks :	-

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 65/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**22/08/2023**
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/212073	S/212074	S/212075	S/212076	S/212077	S/212078
Date Tested :	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	10:20	10:30	10:40	10:50	11:00	11:10
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499599	E 499612	E 499599	E 499614	E 499598	E 499618
Location 2 :	N 6932309	N 6932306	N 6932298	N 6932292	N 6932284	N 6932275
Location 3 :	RL 49.9	RL 49.6	RL 50.2	RL 49.6	RL 50 4	RL 50.4
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	20%	14%	20%	17%	17%	16%
Oversize Density - Dry (t/m³) :	2.50	2.15	2.40	2.35	2.21	2.38
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/212073	S/212074	S/212075	S/212076	S/212077	S/212078
MDR Test Date :	21/08/2023	21/08/2023	21/08/2023	21/08/2023	18/08/2023	18/08/2023
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) :	2.11	2.16	2.14	2.10	2.15	2.14
Moisture Variation :	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ADJ PCWD (t/m3) :	2.18	2.16	2.19	2.14	2.16	2.17
ADJ Moisture Variation :	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Moisture Test Results :						
Field Moisture Content :	11.0%	12.0%	11.5%	13.0%	11.5%	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 :	**0.0% Dry of OMC**	**0.0% Dry of OMC**	**0.0% Wet of OMC**	**0.0% Dry of OMC**	**0.0% Wet 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) :	2.19	2.18	2.20	2.18	2.20	2.19
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.5%**	**101.0%**	**100.5%**	**102.0%**	**102.0%**	**100.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 66/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**23/08/2023**
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/212546	S/212547	S/212548	S/212549	S/212550	S/212551
Date Tested :	15/08/2023	15/08/2023	15/08/2023	15/08/2023	15/08/2023	15/08/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 499667	E 499650	E 499629	E 499602	E 499667	E 499646
Location 2 :	N 6932325	N 6932328	N 6932322	N 6932324	N 6932309	N 6932311
Location 3 :	RL 50.3	RL 49.9	RL 49.6	RL 49.2	RL 51.4	RL 51.2
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	0%	0%	0%	15%	13%	7%
Oversize Density - Dry (t/m³) :	-	-	-	2.33	2.23	2.36
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/212546	S/212547	S/212548	S/212549	S/212550	S/212551
MDR Test Date :	22/08/2023	22/08/2023	22/08/2023	22/08/2023	22/08/2023	22/08/2023
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) :	2.16	2.14	2.13	2.11	2.15	2.15
Moisture Variation :	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ADJ PCWD (t/m3) :	-	-	-	2.14	2.16	2.17
ADJ Moisture Variation :	-	-	-	0.0%	0.0%	-
Moisture Test Results :						
Field Moisture Content :	#N/A	11.5%	11.5%	10.0%	10.5%	#NUM!
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 :	**0.0% Dry of OMC**	**0.0% Dry of OMC**	**At OMC**	**0.0% Wet of OMC**	**0.0% 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) :	2.17	2.15	2.19	2.15	2.17	2.15
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.5%**	**100.5%**	**102.5%**	**100.5%**	**100.5%**	**99.5%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 66/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**23/08/2023**
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/212552	S/212553				
Date Tested :	15/08/2023	15/08/2023				
Material Source :	Onsite	Onsite				
For use as :	General Fill	General Fill				
Test / Layer Depths :	175 / 200	175 / 200				
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b				
Time :	11:10	11:20				
Lot Number :	-	-				
Location 1 :	E 499621	E 499598				
Location 2 :	N 6932303	N 6932310				
Location 3 :	RL 50.9	RL 51.0				
Location 4 :	-	-				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	0%	11%				
Oversize Density - Dry (t/m³) :	-	2.30				
Assigned MDR (Yes/No) :	No	No				
MDR Sample Number :	S/212552	S/212553				
MDR Test Date :	21/08/2023	21/08/2023				
Compaction Type :	Standard	Standard				
Soil Description :	Sandy CLAY - Brown	Sandy CLAY - Brown				
MDR Test Results						
PCWD (t/m3) :	2.13	2.09				
Moisture Variation :	2.0%	2.0%				
ADJ PCWD (t/m3) :	-	2.11				
ADJ Moisture Variation :	-	2.0%				
Moisture Test Results :						
Field Moisture Content :	16.0%	14.0%				
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC				
Variation from OMC :	**2.0% Dry of OMC**	**2.0% Dry of OMC**				
Relative Moisture Ratio (Q250) :	-	-				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m3) :	2.16	2.15				
Density Specification :	95%	95%				
Wet Density Ratio :	**101.5%**	**101.5%**				

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 69/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**5/09/2023**
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/213311	S/213312	S/213313	S/213314	S/213315	S/213316
Date Tested :	18/08/2023	18/08/2023	18/08/2023	18/08/2023	18/08/2023	18/08/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 499681	E 499659	E 499627	E 499585	E 499531	E 499480
Location 2 :	N 6932322	N 6932319	N 6932315	N 6932310	N 6932319	N 6932312
Location 3 :	RL 48.6	RL 49.9	RL50.3	RL 50.2	RL 50.9	RL 51.5
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/213311	S/213312	S/213313	S/213314	S/213315	S/213316
MDR Test Date :	29/08/2023	29/08/2023	29/08/2023	29/08/2023	29/08/2023	29/08/2023
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) :	2.12	2.12	2.15	2.14	2.11	2.11
Moisture Variation :	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ADJ PCWD (t/m3) :	-	-	-	-	-	-
ADJ Moisture Variation :	-	-	-	-	-	-
Moisture Test Results :						
Field Moisture Content :	13.5%	14.0%	15.0%	15.5%	13.5%	13.5%
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 :	**At OMC**	**At OMC**	**At OMC**	**At OMC**	**At 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) :	2.10	2.10	2.09	2.09	2.10	2.11
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.0%**	**99.0%**	**97.0%**	**98.0%**	**99.5%**	**100.0%**

Remarks :	

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 69/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**5/09/2023**
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/213317	S/213318				
Date Tested :	18/08/2023	18/08/2023				
Material Source :	Onsite	Onsite				
For use as :	General Fill	General Fill				
Test / Layer Depths :	175 / 200	175 / 200				
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b				
Time :	11:00	11:10				
Lot Number :	-	-				
Location 1 :	E 499423	E 499358				
Location 2 :	N 6932324	N 6932334				
Location 3 :	RL 51.9	RL 52.3				
Location 4 :	-	-				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	0%	0%				
Oversize Density - Dry (t/m³) :	-	-				
Assigned MDR (Yes/No) :	No	No				
MDR Sample Number :	S/213317	S/213318				
MDR Test Date :	25/08/2023	25/08/2023				
Compaction Type :	Standard	Standard				
Soil Description :	Gravelly Clayey SAND - Brown	Gravelly Clayey SAND - Brown				
MDR Test Results						
PCWD (t/m3) :	2.14	2.11				
Moisture Variation :	0.0%	0.0%				
ADJ PCWD (t/m3) :	-	-				
ADJ Moisture Variation :	-	-				
Moisture Test Results :						
Field Moisture Content :	15.5%	15.0%				
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC				
Variation from OMC :	**At OMC**	**At OMC**				
Relative Moisture Ratio (Q250) :	-	-				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m3) :	2.10	2.12				
Density Specification :	95%	95%				
Wet Density Ratio :	**98.5%**	**100.5%**				

Remarks :	

NATA
WORLD RECOGNISED ACCREDITATION

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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 - 70/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**5/09/2023**
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/213637	S/213638	S/213639	S/213640	S/213641	S/213642
Date Tested :	21/08/2023	21/08/2023	21/08/2023	21/08/2023	21/08/2023	21/08/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 499707	E 499676	E 499681	E 499643	E 499527	E 499488
Location 2 :	N 6932303	N 6932304	N 6932270	N 6932279	N 6932315	N 6932313
Location 3 :	RL 47.4	RL 47.2	RL 48.3	RL 48.4	RL 51 4	RL 52.0
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/213637	S/213638	S/213639	S/213640	S/213641	S/213642
MDR Test Date :	29/08/2023	29/08/2023	29/08/2023	29/08/2023	29/08/2023	29/08/2023
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) :	2.09	2.09	2.11	2.10	2.09	2.10
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%	7.5%	7.5%	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) :	2.09	2.08	2.07	2.09	2.08	2.08
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.0%**	**99.5%**	**98.0%**	**100.0%**	**99.5%**	**99.0%**

Remarks :	

NATA
WORLD RECOGNISED ACCREDITATION

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Base Laboratory Site Number - 22838 - Gold Coast

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

APPROVED SIGNATORY

Nick Dobson - Signatory

Protest Engineering
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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 70/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**5/09/2023**
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/213643	S/213644				
Date Tested :	21/08/2023	21/08/2023				
Material Source :	Onsite	Onsite				
For use as :	General Fill	General Fill				
Test / Layer Depths :	175 / 200	175 / 200				
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b				
Time :	11:10	11:20				
Lot Number :	-	-				
Location 1 :	E 499444	E 499409				
Location 2 :	N 6932316	N 6932321				
Location 3 :	RL 52.3	RL 52.7				
Location 4 :	-	-				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	0%	0%				
Oversize Density - Dry (t/m³) :	-	-				
Assigned MDR (Yes/No) :	No	No				
MDR Sample Number :	S/213643	S/213644				
MDR Test Date :	25/08/2023	25/08/2023				
Compaction Type :	Standard	Standard				
Soil Description :	Clayey Gravelly SAND - Light Brown	Clayey Gravelly SAND - Light Brown				
MDR Test Results						
PCWD (t/m3) :	2.09	2.10				
Moisture Variation :	2.0%	2.0%				
ADJ PCWD (t/m3) :	-	-				
ADJ Moisture Variation :	-	-				
Moisture Test Results :						
Field Moisture Content :	9.0%	9.0%				
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC				
Variation from OMC :	**2.0% Dry of OMC**	**2.0% Dry of OMC**				
Relative Moisture Ratio (Q250) :	-	-				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m3) :	2.10	2.09				
Density Specification :	95%	95%				
Wet Density Ratio :	**100.5%**	**99.5%**				

Remarks :	

NATA
WORLD RECOGNISED ACCREDITATION

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/11755 - 71/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**5/09/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

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

Sample Number :	S/213860	S/213861	S/213862	S/213863	S/213864	S/213865
Date Tested :	22/08/2023	22/08/2023	22/08/2023	22/08/2023	22/08/2023	22/08/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	10:20	10:30	10:40	10:50	11:00	11:10
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499646	E 499661	E 499683	E 499647	E 499667	E 499684
Location 2 :	N 6932316	N 6932313	N 6932310	N 6932296	N 6932299	N 6932290
Location 3 :	RL 48.4	RL 48.5	RL 48.8	RL 49.1	RL 49.2	RL 48.9
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/213860	S/213861	S/213862	S/213863	S/213864	S/213865
MDR Test Date :	29/08/2023	29/08/2023	29/08/2023	29/08/2023	30/08/2023	30/08/2023
Compaction Type :	Standard	Standard	Standard	Standard	Standard	Standard
Soil Description :	Clayey Gravelly SAND - Brown	Clayey Gravelly SAND - Brown	Clayey Gravelly SAND - Brown	Clayey Gravelly SAND - Brown	Clayey Gravelly SAND - Brown	Clayey Gravelly SAND - Brown
MDR Test Results						
PCWD (t/m3) :	2.05	2.09	2.07	2.07	2.08	2.06
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 :	11.0%	10.0%	10.0%	9.0%	9.0%	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) :	2.08	2.06	2.07	2.07	2.06	2.08
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**101.0%**	**99.0%**	**100.0%**	**100.0%**	**99.0%**	**101.0%**

Remarks :	

NATA
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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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ABN: 26 602 913 673
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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/11755 - 72/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**7/09/2023**
Project Name :	**Everleigh Precinct 8 and 10 BEW - LV1**	Test Request :	-
Project Number :	**PTP/11755**	**Page 1 of 1**	
Location :	**Lyons**		

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

Sample Number :	S/214089	S/214090	S/214091	S/214092	S/214093	S/214094
Date Tested :	23/08/2023	23/08/2023	23/08/2023	23/08/2023	23/08/2023	23/08/2023
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 499631	E 499639	E 499646	E 499656	E 499669	E 499675
Location 2 :	N 6932304	N 6932290	N 6932301	N 6932286	N 6932311	N 6932293
Location 3 :	RL 50.2	RL 50.3	RL 50.1	RL 50.3	RL 49.9	RL 50.5
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/214089	S/214090	S/214091	S/214092	S/214093	S/214094
MDR Test Date :	31/08/2023	31/08/2023	31/08/2023	31/08/2023	31/08/2023	31/08/2023
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) :	2.08	2.07	2.07	2.08	2.09	2.06
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%	9.5%	9.0%	9.0%	9.0%	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 :	**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) :	2.07	2.08	2.07	2.08	2.08	2.09
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.5%**	**100.5%**	**100.0%**	**100.0%**	**99.5%**	**101.0%**

Remarks :	

NATA WORLD RECOGNISED ACCREDITATION

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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/14114 - 6/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**10/06/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	**-**
Project Number :	**PTP/14114**	**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/254389	S/254390	S/254391			
Date Tested :	3/06/2024	3/06/2024	3/06/2024			
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 :	07:53	08:09	08:20			
Lot Number :	-	-	-			
Location 1 :	E 499828	E 499858	E 499494			
Location 2 :	N 6932310	N 6932322	N 6932336			
Location 3 :	RL 48.51	RL 48.51	RL 51.66			
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/254389	S/254390	S/254391			
MDR Test Date :	5/06/2024	5/06/2024	5/06/2024			
Compaction Type :	HILF-STD	HILF-STD	HILF-STD			
Soil Description :	Sandy Gravelly CLAY	Sandy Gravelly CLAY	Sandy Gravelly CLAY			
MDR Test Results						
PCWD (t/m3) :	2.13	2.15	2.15			
Moisture Variation :	0.5%	0.0%	0.0%			
ADJ PCWD (t/m3) :	-	-	-			
ADJ Moisture Variation :	-	-	-			
Moisture Test Results :						
Field Moisture Content :	12.5%	12.5%	12.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	**0.5% Dry of OMC**	**At OMC**	**At OMC**			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m3) :	2.06	2.07	2.07			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**96.5%**	**96.0%**	**96.5%**			

Remarks :	

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 (Darra) Accreditation Number - 2851

Base Laboratory Site Number - 2844 - Darra

Base Laboratory Address - 1-2/35 Limestone Street, Darra, 4076, QLD

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 8/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**10/06/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/254065	S/254070				
Date Tested :	30/05/2024	30/05/2024				
Material Source :	Onsite	Onsite				
For use as :	General Fill	General Fill				
Test / Layer Depths :	150 / 175	150 / 175				
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b				
Time :	07:36	07:45				
Lot Number :	-	-				
Location 1 :	E 499979	E 499982				
Location 2 :	N 6932314	N 6932284				
Location 3 :	RL 45.07	RL 45.07				
Location 4 :	-	-				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	0%	0%				
Oversize Density - Dry (t/m³) :	-	-				
Assigned MDR (Yes/No) :	No	No				
MDR Sample Number :	S/254065	S/254070				
MDR Test Date :	3/06/2024	3/06/2024				
Compaction Type :	HILF-STD	HILF-STD				
Soil Description :	Sandy Gravelly CLAY	Sandy Gravelly CLAY				
MDR Test Results						
PCWD (t/m3) :	2.23	2.23				
Moisture Variation :	-1.0%	-1.0%				
ADJ PCWD (t/m3) :	-	-				
ADJ Moisture Variation :	-	-				
Moisture Test Results :						
Field Moisture Content :	11.5%	11.5%				
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC				
Variation from OMC :	**1.0% Wet of OMC**	**1.0% Wet of OMC**				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m3) :	2.13	2.13				
Density Specification :	95%	95%				
Wet Density Ratio :	**96.0%**	**95.0%**				

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 (Darra) Accreditation Number - 2851
Base Laboratory Site Number - 2844 - Darra

Base Laboratory Address - 1-2/35 Limestone Street, Darra, 4076, QLD

APPROVED SIGNATORY

Timothy Watson - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforths	Report Number :	SR/PTP/14114 - 12/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	20/06/2024
Project Name :	Everleigh - Precinct 8-10 Phase 2 - LV1	Test Request :	-
Project Number :	PTP/14114	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/255510	S/255511	S/255512	S/255513	S/255514	S/255515
Date Tested :	7/06/2024	7/06/2024	7/06/2024	7/06/2024	7/06/2024	7/06/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:45	06:50	06:55	07:00	07:05	07:10
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499925	E 499937	E 499888	E 499905	E 499944	E 499797
Location 2 :	N 6932277	N 6932275	N 6932318	N 6932315	N 6932287	N 6932296
Location 3 :	2.3m Below Finish Level	1.5m Below Finish Level	1.4m Below Finish Level	1.5m Below Finish Level	0.6m Below Finish Level	1.5m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	0%	0%	0%	2%	0%	0%
Oversize Density - Dry (t/m³) :	-	-	-	2.61	-	-
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/255510	S/255511	S/255512	S/255513	S/255514	S/255515
MDR Test Date :	17/06/2024	17/06/2024	17/06/2024	17/06/2024	17/06/2024	17/06/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.09	2.08	2.13	2.06	2.08	2.13
Moisture Variation :	2.0%	2.0%	1.5%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	-	2.07	-	-
ADJ Moisture Variation :	-	-	-	2.0%	-	-
Moisture Test Results :						
Field Moisture Content :	10.0%	10.0%	10.0%	9.5%	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 :	**2.0% Dry of 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**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.12	2.12	2.15	2.10	2.09	2.17
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**101.5%**	**102.0%**	**101.0%**	**101.0%**	**100.5%**	**101.5%**

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 14/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**20/06/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/255830	S/255831	S/255832	S/255833	S/255834	S/255835
Date Tested :	10/06/2024	10/06/2024	10/06/2024	10/06/2024	10/06/2024	10/06/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	07:00	07:05	07:10	07:20	07:25	07:40
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499813	E 499829	E 499872	E 499866	E 499900	E 499916
Location 2 :	N 6932302	N 6932284	N 6932298	N 6932271	N 6932270	N 6932284
Location 3 :	1.5m Below Finish Level	2.3m Below Finish Level	2.1m Below Finish Level	2.3m Below Finish Level	2.2m Below Finish Level	2.4m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	12%	5%	5%	8%	6%	1%
Oversize Density - Dry (t/m³) :	2.35	2.45	2.42	2.39	2.43	2.30
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/255830	S/255831	S/255832	S/255833	S/255834	S/255835
MDR Test Date :	18/06/2024	18/06/2024	18/06/2024	18/06/2024	18/06/2024	18/06/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.08	2.04	2.06	2.10	2.05	2.09
Moisture Variation :	2.5%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	2.11	2.06	2.08	2.12	2.07	2.09
ADJ Moisture Variation :	2.0%	1.5%	2.0%	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	7.5%	8.5%	8.0%	7.5%	7.0%	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**	**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**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.11	2.07	2.07	2.11	2.07	2.10
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.0%**	**100.5%**	**100.0%**	**99.5%**	**100.0%**	**100.5%**

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 16/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**20/06/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/256014	S/256015	S/256016	S/256017	S/256018	S/256019
Date Tested :	11/06/2024	11/06/2024	11/06/2024	11/06/2024	11/06/2024	11/06/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:55	07:00	07:05	07:10	07:15	07:20
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499761	E 499756	E 499788	E 499473	E 499421	E 499376
Location 2 :	N 6932324	N 6932288	N 6932293	N 6932320	N 6932335	N 6932347
Location 3 :	2.3m Below Finish Level	2.5m Below Finish Level	2.2m Below Finish Level	1.2m Below Finish Level	0.9m Below Finish Level	1.1m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm	< 19mm	< 37.5mm	< 19mm
Oversize Wet :	16%	24%	8%	19%	25%	18%
Oversize Density - Dry (t/m³) :	2.41	2.22	2.49	2.27	2.32	2.34
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/256014	S/256015	S/256016	S/256017	S/256018	S/256019
MDR Test Date :	20/06/2024	20/06/2024	20/06/2024	20/06/2024	20/06/2024	20/06/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.17	Not Testable using this Method	2.18	2.20	Not Testable using this Method	2.15
Moisture Variation :	2.0%	-	2.0%	2.5%	-	2.0%
ADJ PCWD (t/m3) :	2.21	-	2.20	2.21	-	2.18
ADJ Moisture Variation :	2.0%	-	2.0%	2.0%	-	2.0%
Moisture Test Results :						
Field Moisture Content :	8.5%	8.0%	9.0%	8.0%	7.0%	8.0%
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**
Moisture Ratio :	N/A	-	N/A	N/A	-	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.25	2.21	2.20	2.23	2.22	2.23
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**101.5%**	-	**100.0%**	**101.0%**	-	**102.0%**

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforths	Report Number :	SR/PTP/14114 - 20/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	21/06/2024
Project Name :	Everleigh - Precinct 8-10 Phase 2 - LV1	Test Request :	-
Project Number :	PTP/14114	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/256922	S/256923	S/256924			
Date Tested :	14/06/2024	14/06/2024	14/06/2024			
Material Source :	Onsite	Onsite	Onsite			
For use as :	General Fill	General Fill	General Fill			
Test / Layer Depths :	175 / 200	175 / 200	175 / 200			
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b			
Time :	06:55	07:00	07:05			
Lot Number :	-	-	-			
Location 1 :	E 499541	E 499575	E 499969			
Location 2 :	N 6932329	N 6932327	N 6932299			
Location 3 :	0.9m Below Finish Level	1.2m Below Finish Level	1.7m Below Finish Level			
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/256922	S/256923	S/256924			
MDR Test Date :	21/06/2024	21/06/2024	21/06/2024			
Compaction Type :	HILF-STD	HILF-STD	HILF-STD			
Soil Description :	(CL) Sandy CLAY, Low Plasticity, Pale Brown, Mottled Red, Mottled Grey, Moist	(CL) Sandy CLAY, Low Plasticity, Pale Brown, Mottled Red, Mottled Grey, Moist	(CL) Sandy CLAY, Low Plasticity, Pale Brown, Mottled Red, Mottled Grey, Moist			
MDR Test Results						
PCWD (t/m3) :	2.09	2.10	2.10			
Moisture Variation :	0.0%	0.0%	0.0%			
ADJ PCWD (t/m3) :	-	-	-			
ADJ Moisture Variation :	-	-	-			
Moisture Test Results :						
Field Moisture Content :	19.5%	19.5%	18.0%			
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC			
Variation from OMC :	**0.0% Wet of OMC**	**0.0% Wet of OMC**	**0.0% Wet of OMC**			
Moisture Ratio :	N/A	N/A	N/A			
Density Test Results						
Field Wet Density (t/m3) :	2.10	2.12	2.11			
Density Specification :	95%	95%	95%			
Wet Density Ratio :	**100.5%**	**101.0%**	**100.5%**			

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

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Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforths	Report Number :	SR/PTP/14114 - 22/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	23/06/2024
Project Name :	Everleigh - Precinct 8-10 Phase 2 - LV1	Test Request :	-
Project Number :	PTP/14114	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/257144	S/257145	S/257146	S/257147		
Date Tested :	17/06/2024	17/06/2024	17/06/2024	17/06/2024		
Material Source :	Onsite	Onsite	Onsite	Onsite		
For use as :	General Fill	General Fill	General Fill	General Fill		
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200		
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 :	07:00	07:05	07:10	07:15		
Lot Number :	-	-	-	-		
Location 1 :	E 499588	E 499551	E 499971	E 499940		
Location 2 :	N 6932359	N 6932372	N 6932281	N 6932240		
Location 3 :	0.7m Below Finish Level	0.5m Below Finish Level	1.4m Below Finish Level	1.6m Below Finish Level		
Location 4 :	-	-	-	-		
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm		
Oversize Wet :	0%	0%	0%	0%		
Oversize Density - Dry (t/m³) :	-	-	-	-		
Assigned MDR (Yes/No) :	No	No	No	No		
MDR Sample Number :	S/257144	S/257145	S/257146	S/257147		
MDR Test Date :	22/06/2024	22/06/2024	22/06/2024	22/06/2024		
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD		
Soil Description :	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist		
MDR Test Results						
PCWD (t/m3) :	2.05	2.03	2.02	2.05		
Moisture Variation :	0.0%	0.0%	0.0%	0.0%		
ADJ PCWD (t/m3) :	-	-	-	-		
ADJ Moisture Variation :	-	-	-	-		
Moisture Test Results :						
Field Moisture Content :	18.0%	18.0%	18.5%	17.0%		
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC		
Variation from OMC :	**0.0% Wet of OMC**	**0.0% Wet of OMC**	**0.0% Wet of OMC**	**0.0% Wet of OMC**		
Moisture Ratio :	N/A	N/A	N/A	N/A		
Density Test Results						
Field Wet Density (t/m3) :	2.00	2.01	2.01	2.02		
Density Specification :	95%	95%	95%	95%		
Wet Density Ratio :	**97.5%**	**99.0%**	**99.5%**	**98.5%**		

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 26/2**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**2/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/258038	S/258039	S/258040	S/258041		
Date Tested :	24/06/2024	24/06/2024	24/06/2024	24/06/2024		
Material Source :	Onsite	Onsite	Onsite	Onsite		
For use as :	General Fill	General Fill	General Fill	General Fill		
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200		
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 :	06:55	07:00	07:05	07:10		
Lot Number :	-	-	-	-		
Location 1 :	E 499728	E 499725	E 499586	E 499487		
Location 2 :	N 6932310	N 6932349	N 6932343	N 6932331		
Location 3 :	1.3m Below Finish Level	1.2m Below Finish Level	Finish Level	0.1m Below Finish Level		
Location 4 :	-	-	-	-		
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm		
Oversize Wet :	5%	11%	15%	1%		
Oversize Density - Dry (t/m³) :	2.44	2.47	2.42	2.38		
Assigned MDR (Yes/No) :	No	No	No	No		
MDR Sample Number :	S/258038	S/258039	S/258040	S/258041		
MDR Test Date :	28/06/2024	28/06/2024	28/06/2024	28/06/2024		
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD		
Soil Description :	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Sandy CLAY, Low Plasticity, Brown, Moist		
MDR Test Results						
PCWD (t/m3) :	2.03	2.00	1.99	2.06		
Moisture Variation :	2.0%	2.0%	2.5%	2.0%		
ADJ PCWD (t/m3) :	2.05	2.04	2.05	2.06		
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0%		
Moisture Test Results :						
Field Moisture Content :	8.0%	8.0%	7.0%	8.0%		
Moisture Specification :	+/-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**		
Moisture Ratio :	N/A	N/A	N/A	N/A		
Density Test Results						
Field Wet Density (t/m3) :	2.07	2.06	2.05	2.09		
Density Specification :	95%	95%	95%	95%		
Wet Density Ratio :	**100.5%**	**101.0%**	**100.5%**	**101.5%**		

Remarks :	**Supplement to Test Report SR/PTP/14114 - 26/1** **Reason:**

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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ABN: 26602913673
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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 27/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**12/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/258207	S/258208	S/258209	S/258210	S/258211	S/258212
Date Tested :	25/06/2024	25/06/2024	25/06/2024	25/06/2024	25/06/2024	25/06/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:45	06:50	06:55	07:05	07:10	07:15
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499622	E 499616	E 499620	E 499635	E 499632	E 499636
Location 2 :	N 6932346	N 6932378	N 6932367	N 6932343	N 6932367	N 6932364
Location 3 :	0.3m Below Finish Level	0.7m Below Finish Level	0.2m Below Finish Level	0.5m Below Finish Level	0.6m Below Finish Level	0.1m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 19mm	< 19mm
Oversize Wet :	13%	19%	9%	17%	17%	19%
Oversize Density - Dry (t/m³) :	2.15	2.27	2.31	2.40	2.33	2.37
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/258207	S/258208	S/258209	S/258210	S/258211	S/258212
MDR Test Date :	28/06/2024	28/06/2024	28/06/2024	28/06/2024	28/06/2024	28/06/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CI) Sandy CLAY, Medium Plasticity, Pale Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Pale Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Pale Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Pale Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Pale Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Pale Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.02	2.01	2.05	1.97	1.99	1.95
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	2.04	2.05	2.07	2.03	2.04	2.02
ADJ Moisture Variation :	1.5%	1.5%	2.0%	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	6.5%	6.0%	6.0%	5.5%	5.0%	5.5%
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**	**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**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.05	2.05	2.09	2.04	2.07	2.02
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.5%**	**100.0%**	**101.0%**	**100.5%**	**101.5%**	**100.0%**

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 30/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**16/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/258515	S/258516	S/258517	S/258518	S/258519	S/258520
Date Tested :	27/06/2024	27/06/2024	27/06/2024	27/06/2024	27/06/2024	27/06/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	07:10	07:15	07:20	07:25	07:30	07:35
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499576	E 499553	E 499653	E 499655	E 499676	E 499689
Location 2 :	N 6932396	N 6932361	N 6932372	N 6932348	N 6932375	N 6932352
Location 3 :	0.2m Below Finish Level	0.1m Below Finish Level	0.6m Below Finish Level	0.4m Below Finish Level	0.5m Below Finish Level	0.6m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 19mm	< 37.5mm	< 19mm	< 19mm
Oversize Wet :	19%	13%	17%	17%	6%	19%
Oversize Density - Dry (t/m³) :	2.29	2.38	2.42	2.48	2.39	2.34
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/258515	S/258516	S/258517	S/258518	S/258519	S/258520
MDR Test Date :	8/07/2024	8/07/2024	8/07/2024	8/07/2024	8/07/2024	8/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.08	2.07	2.05	2.08	2.07	2.03
Moisture Variation :	2.0%	2.0%	2.0%	2.0%	1.5%	2.5%
ADJ PCWD (t/m3) :	2.12	2.11	2.11	2.14	2.08	2.08
ADJ Moisture Variation :	2.0%	1.5%	1.5%	2.0%	1.5%	2.0%
Moisture Test Results :						
Field Moisture Content :	9.0%	10.0%	10.0%	9.5%	10.0%	8.5%
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**	**1.5% Dry of OMC**	**2.0% Dry of OMC**	**1.5% Dry of OMC**	**2.0% Dry of OMC**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.04	2.03	2.05	2.06	2.07	2.05
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**96.5%**	**96.5%**	**97.5%**	**96.5%**	**99.5%**	**98.5%**

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 31/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**16/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/258521	S/258522				
Date Tested :	27/06/2024	27/06/2024				
Material Source :	Onsite	Onsite				
For use as :	General Fill	General Fill				
Test / Layer Depths :	175 / 200	175 / 200				
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b				
Time :	07:40	07:45				
Lot Number :	-	-				
Location 1 :	E 499730	E 499753				
Location 2 :	N 6932281	N 6932352				
Location 3 :	0.7m Below Finish Level	0.4m Below Finish Level				
Location 4 :	-	-				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	14%	15%				
Oversize Density - Dry (t/m³) :	2.38	2.29				
Assigned MDR (Yes/No) :	No	No				
MDR Sample Number :	S/258521	S/258522				
MDR Test Date :	8/07/2024	8/07/2024				
Compaction Type :	HILF-STD	HILF-STD				
Soil Description :	(Cl) Sandy CLAY, Medium Plasticity, Brown, Moist	(Cl) Sandy CLAY, Medium Plasticity, Brown, Moist				
MDR Test Results						
PCWD (t/m3) :	2.10	2.12				
Moisture Variation :	2.5%	2.5%				
ADJ PCWD (t/m3) :	2.14	2.14				
ADJ Moisture Variation :	2.0%	2.0%				
Moisture Test Results :						
Field Moisture Content :	8.0%	8.5%				
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC				
Variation from OMC :	**2.0% Dry of OMC**	**2.0% Dry of OMC**				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m3) :	2.05	2.06				
Density Specification :	95%	95%				
Wet Density Ratio :	**96.0%**	**96.0%**				

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforths	Report Number :	SR/PTP/14114 - 32/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	17/07/2024
Project Name :	Everleigh - Precinct 8-10 Phase 2 - LV1	Test Request :	-
Project Number :	PTP/14114	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/258953	S/258954	S/258955	S/258956		
Date Tested :	1/07/2024	1/07/2024	1/07/2024	1/07/2024		
Material Source :	Onsite	Onsite	Onsite	Onsite		
For use as :	General Fill	General Fill	General Fill	General Fill		
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200		
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 :	06:55	07:00	07:05	07:10		
Lot Number :	-	-	-	-		
Location 1 :	E 499488	E 499582	E 499666	E 499700		
Location 2 :	N 6932360	N 6932387	N 6932344	N 6932347		
Location 3 :	0.4m Below Finish Level	0.2m Below Finish Level	0.1m Below Finish Level	0.2m Below Finish Level		
Location 4 :	-	-	-	-		
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm	< 19mm		
Oversize Wet :	22%	35%	13%	16%		
Oversize Density - Dry (t/m³) :	2.22	2.11	2.35	2.31		
Assigned MDR (Yes/No) :	No	No	No	No		
MDR Sample Number :	S/258953	S/258954	S/258955	S/258956		
MDR Test Date :	12/07/2024	12/07/2024	12/07/2024	12/07/2024		
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD		
Soil Description :	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist		
MDR Test Results						
PCWD (t/m3) :	Not Testable using this Method	Not Testable using this Method	2.08	2.07		
Moisture Variation :	-	-	2.0%	2.5%		
ADJ PCWD (t/m3) :	-	-	2.11	2.10		
ADJ Moisture Variation :	-	-	2.0%	2.0%		
Moisture Test Results :						
Field Moisture Content :	9.5%	8.5%	9.0%	10.0%		
Moisture Specification :	+/-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**		
Moisture Ratio :	-	-	N/A	N/A		
Density Test Results						
Field Wet Density (t/m3) :	2.09	2.06	2.07	2.06		
Density Specification :	95%	95%	95%	95%		
Wet Density Ratio :	-	-	**98.0%**	**98.0%**		

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 33/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**17/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/259056	S/259057	S/259058	S/259059	S/259060	S/259061
Date Tested :	1/07/2024	1/07/2024	1/07/2024	1/07/2024	1/07/2024	1/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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	10:35	10:40	10:45	10:50	10:55
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499740	E 499769	E 499705	E 499705	E 499781	E 499792
Location 2 :	N 6932347	N 6932357	N 6932304	N 6932279	N 6932348	N 6932349
Location 3 :	0.1m Below Finish Level	0.3m Below Finish Level	0.5m Below Finish Level	0.7m Below Finish Level	0.4m Below Finish Level	0.4m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 37.5mm	< 37.5mm	< 19mm	< 37.5mm	< 19mm
Oversize Wet :	18%	18%	21%	17%	6%	17%
Oversize Density - Dry (t/m³) :	2.31	2.26	2.31	2.32	2.32	2.30
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/259056	S/259057	S/259058	S/259059	S/259060	S/259061
MDR Test Date :	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.07	2.10	Not Testable using this Method	2.05	2.12	2.05
Moisture Variation :	2.0%	2.0%	-	2.5%	2.5%	2.5%
ADJ PCWD (t/m3) :	2.11	2.13	-	2.09	2.13	2.09
ADJ Moisture Variation :	2.0%	2.0%	-	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	8.5%	9.0%	10.0%	8.0%	8.0%	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**
Moisture Ratio :	N/A	N/A	-	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.05	2.07	2.05	2.07	2.06	2.05
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**97.0%**	**97.0%**	-	**99.0%**	**97.0%**	**98.0%**

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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PROTEST
CONSTRUCTION MATERIALS TESTING

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforths	Report Number :	SR/PTP/14114 - 36/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	17/07/2024
Project Name :	Everleigh - Precinct 8-10 Phase 2 - LV1	Test Request :	-
Project Number :	PTP/14114	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/259528	S/259529	S/259530	S/259531	S/259532	S/259533
Date Tested :	5/07/2024	5/07/2024	5/07/2024	5/07/2024	5/07/2024	5/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:50	06:55	07:00	07:05	07:10	07:15
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499591	E 499699	E 499721	E 499704	E 499745	E 499764
Location 2 :	N 6932333	N 6932375	N 6932378	N 6932224	N 6932278	N 6932272
Location 3 :	0.3m Below Finish Level	0.1m Below Finish Level	0.2m Below Finish Level	0.6m Below Finish Level	0.5m Below Finish Level	0.7m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm
Oversize Wet :	33%	21%	14%	17%	12%	10%
Oversize Density - Dry (t/m³) :	2.47	2.48	2.36	2.37	2.35	2.35
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/259528	S/259529	S/259530	S/259531	S/259532	S/259533
MDR Test Date :	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	Not Testable using this Method	Not Testable using this Method	2.04	2.03	2.11	2.05
Moisture Variation :	-	-	2.0%	2.0%	2.0%	2.0%
ADJ PCWD (t/m3) :	-	-	2.08	2.08	2.14	2.07
ADJ Moisture Variation :	-	-	2.0%	2.0%	1.5%	1.5%
Moisture Test Results :						
Field Moisture Content :	12.0%	13.5%	12.5%	12.0%	13.0%	13.5%
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**
Moisture Ratio :	-	-	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.09	2.08	2.06	2.08	2.12	2.08
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	-	-	**99.0%**	**100.0%**	**99.0%**	**100.5%**

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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ABN: 26602913673
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PROTEST
CONSTRUCTION MATERIALS TESTING

Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 37/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**17/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/259534	S/259535	S/259536	S/259537	S/259538	S/259539
Date Tested :	5/07/2024	5/07/2024	5/07/2024	5/07/2024	5/07/2024	5/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	07:20	07:25	07:30	07:35	07:40	07:45
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499806	E 499824	E 499739	E 499778	E 499811	E 499822
Location 2 :	N 6932266	N 6932251	N 6932227	N 6932267	N 6932345	N 6932334
Location 3 :	1m Below Finish Level	0.8m Below Finish Level	0.8m Below Finish Level	0.5m Below Finish Level	0.7m Below Finish Level	0.9m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm
Oversize Wet :	16%	18%	13%	9%	5%	7%
Oversize Density - Dry (t/m³) :	2.37	2.36	2.35	2.37	2.36	2.26
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/259534	S/259535	S/259536	S/259537	S/259538	S/259539
MDR Test Date :	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist	(GW-GM) Clayey Sandy GRAVEL, Medium-Grained, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.03	2.07	2.05	2.03	2.05	2.11
Moisture Variation :	2.0%	2.0%	2.0%	2.5%	2.0%	2.0%
ADJ PCWD (t/m3) :	2.08	2.12	2.09	2.06	2.06	2.12
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0%	1.5%	1.5%
Moisture Test Results :						
Field Moisture Content :	12.5%	12.0%	12.5%	13.0%	13.5%	14.0%
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**	**1.5% Dry of OMC**	**1.5% Dry of OMC**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.09	2.10	2.07	2.07	2.09	2.11
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.5%**	**99.5%**	**99.5%**	**100.5%**	**101.0%**	**99.5%**

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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PROTEST
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Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforths	Report Number :	SR/PTP/14114 - 38/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	22/07/2024
Project Name :	Everleigh - Precinct 8-10 Phase 2 - LV1	Test Request :	-
Project Number :	PTP/14114	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/260274	S/260275	S/260276	S/260277	S/260278	S/260279
Date Tested :	11/07/2024	11/07/2024	11/07/2024	11/07/2024	11/07/2024	11/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:50	06:55	07:00	07:05	07:10	07:15
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499864	E 499877	E 499890	E 499918	E 499848	E 499840
Location 2 :	N 6932236	N 6932228	N 6932216	N 6932226	N 6932299	N 6932367
Location 3 :	0.6m Below Finish Level	0.5m Below Finish Level	0.5m Below Finish Level	0.7m Below Finish Level	0.8m Below Finish Level	0.3m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm
Oversize Wet :	13%	13%	28%	12%	19%	22%
Oversize Density - Dry (t/m³) :	2.41	2.38	2.38	2.25	2.35	2.45
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/260274	S/260275	S/260276	S/260277	S/260278	S/260279
MDR Test Date :	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(GM) Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Sandy GRAVEL, Medium-Grained, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.06	2.06	Not Testable using this Method	2.08	2.06	Not Testable using this Method
Moisture Variation :	2.0%	2.0%	-	2.0%	2.0%	-
ADJ PCWD (t/m3) :	2.10	2.10	-	2.10	2.11	-
ADJ Moisture Variation :	1.5%	1.5%	-	1.5%	2.0%	-
Moisture Test Results :						
Field Moisture Content :	10.5%	9.5%	8.0%	10.0%	8.0%	8.0%
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**	-
Moisture Ratio :	N/A	N/A	-	N/A	N/A	-
Density Test Results						
Field Wet Density (t/m3) :	2.08	2.05	2.09	2.08	2.05	2.08
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.5%**	**98.0%**	-	**99.0%**	**97.5%**	-

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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ABN: 26602913673
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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 41/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/260020	S/260021	S/260022	S/260023	S/260024	S/260025
Date Tested :	10/07/2024	10/07/2024	10/07/2024	10/07/2024	10/07/2024	10/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:50	06:55	07:00	07:05	07:10	10:30
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499751	E 499767	E 499793	E 499801	E 499778	E 499909
Location 2 :	N 6932309	N 6932306	N 6932268	N 6932290	N 6932301	N 6932314
Location 3 :	0.2m Below Finish Level	Finish Level	0.2m Below Finish Level	Finish Level	0.1m Below Finish Level	0.6m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm	< 37.5mm
Oversize Wet :	21%	11%	16%	16%	19%	12%
Oversize Density - Dry (t/m³) :	2.27	2.24	2.27	2.28	2.31	2.27
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/260020	S/260021	S/260022	S/260023	S/260024	S/260025
MDR Test Date :	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024	18/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(GM) Silty Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Silty Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Silty Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Silty Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Silty Sandy GRAVEL, Medium-Grained, Brown, Moist	(GM) Silty Sandy GRAVEL, Medium-Grained, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	Not Testable using this Method	2.12	2.09	2.13	2.08	2.07
Moisture Variation :	-	2.0%	2.0%	2.5%	2.5%	2.5%
ADJ PCWD (t/m3) :	-	2.13	2.12	2.15	2.12	2.10
ADJ Moisture Variation :	-	2.0%	1.5%	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	8.0%	9.0%	10.5%	8.5%	9.5%	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 :	-	**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**
Moisture Ratio :	-	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.12	2.12	2.08	2.11	2.09	2.09
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	-	**99.5%**	**98.0%**	**98.0%**	**98.5%**	**99.5%**

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

Protest CMT
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PROTEST
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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 43/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/259916	S/259917	S/259918	S/259919	S/259920	S/259921
Date Tested :	9/07/2024	9/07/2024	9/07/2024	9/07/2024	9/07/2024	9/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:50	06:55	07:00	07:05	07:10	07:15
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499736	E 499757	E 499773	E 499783	E 499722	E 499752
Location 2 :	N 6932378	N 6932381	N 6932378	N 6932373	N 6932343	N 6932344
Location 3 :	0.7m Below Finish Level	0.5m Below Finish Level	0.8m Below Finish Level	0.6m Below Finish Level	0.2m Below Finish Level	0.1m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 37.5mm	< 19mm	< 19mm	< 19mm	< 37.5mm
Oversize Wet :	15%	15%	12%	14%	16%	20%
Oversize Density - Dry (t/m³) :	2.42	2.27	2.41	2.41	2.19	2.31
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/259916	S/259917	S/259918	S/259919	S/259920	S/259921
MDR Test Date :	17/07/2024	17/07/2024	17/07/2024	17/07/2024	17/07/2024	17/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.00	2.04	2.03	2.00	2.08	2.05
Moisture Variation :	2.0%	2.5%	2.0%	2.0%	2.5%	2.0%
ADJ PCWD (t/m3) :	2.06	2.07	2.07	2.05	2.09	2.10
ADJ Moisture Variation :	2.0%	2.0%	1.5%	1.5%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	10.0%	10.5%	11.5%	12.0%	9.5%	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 :	**2.0% Dry of OMC**	**2.0% Dry of OMC**	**1.5% Dry of OMC**	**1.5% Dry of OMC**	**2.0% Dry of OMC**	**2.0% Dry of OMC**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.08	2.06	2.04	2.06	2.08	2.07
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**101.0%**	**99.5%**	**99.0%**	**100.5%**	**99.0%**	**98.5%**

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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PROTEST
CONSTRUCTION MATERIALS TESTING

Soil Compaction and Density Tests Report - Compaction Control

Client :	Shadforths	Report Number :	SR/PTP/14114 - 44/1
Client Address :	99 Sandalwood Lane, Forest Glen, 4556, QLD	Report Date :	24/07/2024
Project Name :	Everleigh - Precinct 8-10 Phase 2 - LV1	Test Request :	-
Project Number :	PTP/14114	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/259990	S/259991	S/259992	S/259993	S/259994	S/259995
Date Tested :	9/07/2024	9/07/2024	9/07/2024	9/07/2024	9/07/2024	9/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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	10:05	10:10	10:15	10:20	10:25
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499797	E 499804	E 499817	E 499830	E 499835	E 499693
Location 2 :	N 6932378	N 6932370	N 6932371	N 6932364	N 6932337	N 6932297
Location 3 :	0.5m Below Finish Level	0.4m Below Finish Level	0.6m Below Finish Level	0.7m Below Finish Level	0.2m Below Finish Level	0.6m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 37.5mm	< 37.5mm	< 37.5mm	< 19mm	< 19mm	< 37.5mm
Oversize Wet :	9%	10%	12%	18%	15%	15%
Oversize Density - Dry (t/m³) :	2.27	2.33	2.36	2.33	2.33	2.36
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/259990	S/259991	S/259992	S/259993	S/259994	S/259995
MDR Test Date :	17/07/2024	17/07/2024	17/07/2024	17/07/2024	17/07/2024	17/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.06	2.06	2.09	2.02	2.03	2.04
Moisture Variation :	2.0%	2.0%	2.0%	2.5%	2.0%	2.0%
ADJ PCWD (t/m3) :	2.07	2.09	2.12	2.07	2.07	2.08
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0%	1.5%	1.5%
Moisture Test Results :						
Field Moisture Content :	9.0%	9.0%	9.0%	10.0%	11.5%	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**	**2.0% Dry of OMC**	**2.0% Dry of OMC**	**1.5% Dry of OMC**	**1.5% Dry of OMC**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.07	2.06	2.08	2.06	2.08	2.06
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.0%**	**99.0%**	**98.0%**	**99.5%**	**100.5%**	**99.0%**

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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ABN: 26602913673
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PROTEST
CONSTRUCTION MATERIALS TESTING

Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 45/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/259996	S/259997				
Date Tested :	9/07/2024	9/07/2024				
Material Source :	Onsite	Onsite				
For use as :	General Fill	General Fill				
Test / Layer Depths :	175 / 200	175 / 200				
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b				
Time :	10:30	10:35				
Lot Number :	-	-				
Location 1 :	E 499692	E 499731				
Location 2 :	N 6932278	N 6932300				
Location 3 :	Finish Level	0.1m Below Finish Level				
Location 4 :	-	-				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	20%	0%				
Oversize Density - Dry (t/m³) :	2.37	-				
Assigned MDR (Yes/No) :	No	No				
MDR Sample Number :	S/259996	S/259997				
MDR Test Date :	16/07/2024	16/07/2024				
Compaction Type :	HILF-STD	HILF-STD				
Soil Description :	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY trace Gravel, Medium Plasticity, Brown, Moist				
MDR Test Results						
PCWD (t/m3) :	1.99	2.07				
Moisture Variation :	2.5%	2.0%				
ADJ PCWD (t/m3) :	2.05	-				
ADJ Moisture Variation :	2.0%	-				
Moisture Test Results :						
Field Moisture Content :	9.5%	9.0%				
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC				
Variation from OMC :	**2.0% Dry of OMC**	**2.0% Dry of OMC**				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m3) :	2.06	2.07				
Density Specification :	95%	95%				
Wet Density Ratio :	**100.5%**	**100.0%**				

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, 4208, QLD

APPROVED SIGNATORY

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PROTEST
CONSTRUCTION MATERIALS TESTING

Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 48/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/260931	S/260932	S/260933	S/260934		
Date Tested :	16/07/2024	16/07/2024	16/07/2024	16/07/2024		
Material Source :	Onsite	Onsite	Onsite	Onsite		
For use as :	General Fill	General Fill	General Fill	General Fill		
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200		
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 :	10:30	10:40	10:50	11:00		
Lot Number :	-	-	-	-		
Location 1 :	E 499758	E 499556	E 499551	E 499505		
Location 2 :	N 6932376	N 6932353	N 6932342	N 6932345		
Location 3 :	0.2m Below Finish Level	Finish Level	Finish Level	0.1m Below Finish Level		
Location 4 :	-	-	-	-		
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm		
Oversize Wet :	6%	6%	5%	5%		
Oversize Density - Dry (t/m³) :	2.32	2.28	2.38	2.27		
Assigned MDR (Yes/No) :	No	No	No	No		
MDR Sample Number :	S/260931	S/260932	S/260933	S/260934		
MDR Test Date :	22/07/2024	22/07/2024	22/07/2024	22/07/2024		
Compaction Type :	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-Std		
Soil Description :	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist		
MDR Test Results						
PCWD (t/m3) :	2.00	2.02	2.01	2.01		
Moisture Variation :	2.0%	2.5%	2.5%	2.0%		
ADJ PCWD (t/m3) :	2.02	2.03	2.02	2.02		
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0%		
Moisture Test Results :						
Field Moisture Content :	11.5%	11.0%	10.5%	11.0%		
Moisture Specification :	+/-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**		
Moisture Ratio :	N/A	N/A	N/A	N/A		
Density Test Results						
Field Wet Density (t/m3) :	2.04	2.03	2.04	2.03		
Density Specification :	95%	95%	95%	95%		
Wet Density Ratio :	**101.0%**	**100.0%**	**100.5%**	**100.5%**		

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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PROTEST
CONSTRUCTION MATERIALS TESTING

Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 49/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/260634	S/260635	S/260636	S/260637	S/260638	S/260639
Date Tested :	15/07/2024	15/07/2024	15/07/2024	15/07/2024	15/07/2024	15/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:55	07:00	07:05	07:10	07:15	07:20
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499775	E 499814	E 499686	E 499664	E 499644	E 499646
Location 2 :	N 6932385	N 6932364	N 6932372	N 6932371	N 6932370	N 6932345
Location 3 :	0.2m Below Finish Level	0.1m Below Finish Level	0.1m Below Finish Level	Finish Level	0.1m Below Finish Level	Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 37.5mm	< 19mm	< 37.5mm	< 37.5mm	< 19mm
Oversize Wet :	7%	18%	15%	21%	14%	16%
Oversize Density - Dry (t/m³) :	2.63	2.38	2.43	2.41	2.44	2.43
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/260634	S/260635	S/260636	S/260637	S/260638	S/260639
MDR Test Date :	22/07/2024	22/07/2024	22/07/2024	22/07/2024	22/07/2024	22/07/2024
Compaction Type :	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-Std
Soil Description :	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.00	2.02	2.02	Not Testable using this Method	2.05	1.96
Moisture Variation :	2.0%	2.5%	2.0%	-	2.0%	2.0%
ADJ PCWD (t/m3) :	2.04	2.08	2.07	-	2.10	2.02
ADJ Moisture Variation :	1.5%	2.0%	1.5%	-	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	11.5%	10.5%	12.0%	11.0%	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 :	**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**
Moisture Ratio :	N/A	N/A	N/A	-	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.05	2.08	2.08	2.05	2.09	2.05
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**100.5%**	**100.0%**	**100.5%**	-	**99.5%**	**101.5%**

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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PROTEST
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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 50/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/260640	S/260795	S/260796	S/260797	S/260798	S/260799
Date Tested :	15/07/2024	15/07/2024	15/07/2024	15/07/2024	15/07/2024	15/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	07:25	10:30	10:35	10:40	10:45	10:50
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499510	E 499933	E 499910	E 499921	E 499848	E 499452
Location 2 :	N 6932431	N 6932218	N 6932200	N 6932309	N 6932360	N 6932436
Location 3 :	0.1m Below Finish Level	0.7m Below Finish Level	0.8m Below Finish Level	0.6m Below Finish Level	0.2m Below Finish Level	0.2m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	6%	7%	6%	5%	15%	12%
Oversize Density - Dry (t/m³) :	2.50	2.23	2.41	2.46	2.37	2.41
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/260640	S/260795	S/260796	S/260797	S/260798	S/260799
MDR Test Date :	22/07/2024	22/07/2024	22/07/2024	22/07/2024	22/07/2024	22/07/2024
Compaction Type :	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-Std
Soil Description :	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist
MDR Test Results						
PCWD (t/m3) :	2.00	2.03	2.01	2.00	1.98	2.00
Moisture Variation :	1.5%	2.5%	2.0%	2.0%	2.5%	2.5%
ADJ PCWD (t/m3) :	2.03	2.04	2.03	2.02	2.03	2.04
ADJ Moisture Variation :	1.5%	2.0%	1.5%	2.0%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	11.5%	10.5%	11.5%	11.0%	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**	**1.5% Dry of OMC**	**2.0% Dry of OMC**	**2.0% Dry of OMC**	**2.0% Dry of OMC**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.06	2.04	2.02	2.04	2.06	2.04
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**101.5%**	**100.0%**	**100.0%**	**100.5%**	**101.5%**	**100.0%**

Remarks :	

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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

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PROTEST
CONSTRUCTION MATERIALS TESTING

Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 52/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/260398	S/260399	S/260400	S/260401	S/260402	S/260403
Date Tested :	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	06:50	06:55	07:00	07:05	07:10	07:15
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499364	E 499386	E 499336	E 499677	E 499844	E 499844
Location 2 :	N 6932457	N 6932456	N 6932381	N 6932346	N 6932333	N 6932283
Location 3 :	0.4m Below Finish Level	0.5m Below Finish Level	0.2m Below Finish Level	0.1m Below Finish Level	Finish Level	0.2m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm	< 19mm
Oversize Wet :	7%	4%	6%	5%	6%	11%
Oversize Density - Dry (t/m³) :	2.40	2.36	2.38	2.34	2.37	2.21
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/260398	S/260399	S/260400	S/260401	S/260402	S/260403
MDR Test Date :	19/07/2024	19/07/2024	19/07/2024	19/07/2024	19/07/2024	19/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist
MDR Test Results						
PCWD (t/m3) :	2.00	2.01	1.97	1.99	1.98	2.01
Moisture Variation :	2.5%	2.0%	1.5%	2.0%	2.0%	2.5%
ADJ PCWD (t/m3) :	2.02	2.02	1.99	2.00	2.00	2.03
ADJ Moisture Variation :	2.0%	2.0%	1.5%	1.5%	2.0%	2.0%
Moisture Test Results :						
Field Moisture Content :	11.0%	11.0%	11.5%	11.5%	10.5%	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 :	**2.0% Dry of OMC**	**2.0% Dry of OMC**	**1.5% Dry of OMC**	**1.5% Dry of OMC**	**2.0% Dry of OMC**	**2.0% Dry of OMC**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.01	2.02	2.00	2.01	2.01	2.02
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**99.5%**	**100.0%**	**100.5%**	**100.0%**	**101.0%**	**99.5%**

Remarks :	

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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, 4208, QLD

APPROVED SIGNATORY

Joshua Andres - Signatory

Protest CMT
ABN: 26602913673
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PROTEST
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Soil Compaction and Density Tests Report - Compaction Control

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 53/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, 4556, QLD**	Report Date :	**24/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**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/260411	S/260412	S/260415	S/260416	S/260417	S/260418
Date Tested :	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024	12/07/2024
Material Source :	Onsite	Onsite	Onsite	Onsite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	General Fill	General Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
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 :	07:20	07:25	10:30	10:35	10:40	10:45
Lot Number :	-	-	-	-	-	-
Location 1 :	E 499921	E 499882	E 499959	E 499967	E 499940	E 499889
Location 2 :	N 6932275	N 6932316	N 6932298	N 6932273	N 6932264	N 6932296
Location 3 :	0.3m Below Finish Level	0.4m Below Finish Level	0.6m Below Finish Level	0.7m Below Finish Level	0.6m Below Finish Level	0.8m Below Finish Level
Location 4 :	-	-	-	-	-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 37.5mm	< 37.5mm	< 19mm
Oversize Wet :	9%	3%	14%	15%	13%	15%
Oversize Density - Dry (t/m³) :	2.38	2.52	2.42	2.37	2.36	2.46
Assigned MDR (Yes/No) :	No	No	No	No	No	No
MDR Sample Number :	S/260411	S/260412	S/260415	S/260416	S/260417	S/260418
MDR Test Date :	22/07/2024	22/07/2024	22/07/2024	22/07/2024	22/07/2024	22/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD	HILF-STD
Soil Description :	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist	(CL) Sandy CLAY trace Gravel, Low Plasticity, Brown, Mottled Orange, Moist
MDR Test Results						
PCWD (t/m3) :	1.96	1.97	2.04	2.00	1.99	2.01
Moisture Variation :	2.0%	2.5%	2.0%	2.5%	2.0%	2.5%
ADJ PCWD (t/m3) :	1.99	1.98	2.09	2.05	2.03	2.06
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0%	1.5%	2.0%
Moisture Test Results :						
Field Moisture Content :	10.0%	10.5%	10.0%	11.0%	12.0%	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**	**1.5% Dry of OMC**	**2.0% Dry of OMC**
Moisture Ratio :	N/A	N/A	N/A	N/A	N/A	N/A
Density Test Results						
Field Wet Density (t/m3) :	2.01	2.03	2.08	2.07	2.06	2.07
Density Specification :	95%	95%	95%	95%	95%	95%
Wet Density Ratio :	**101.0%**	**102.5%**	**99.5%**	**101.0%**	**101.5%**	**100.0%**

Remarks :	

Note: The results contained in this report relate only to the item/s that were tested/sampled

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PROTEST
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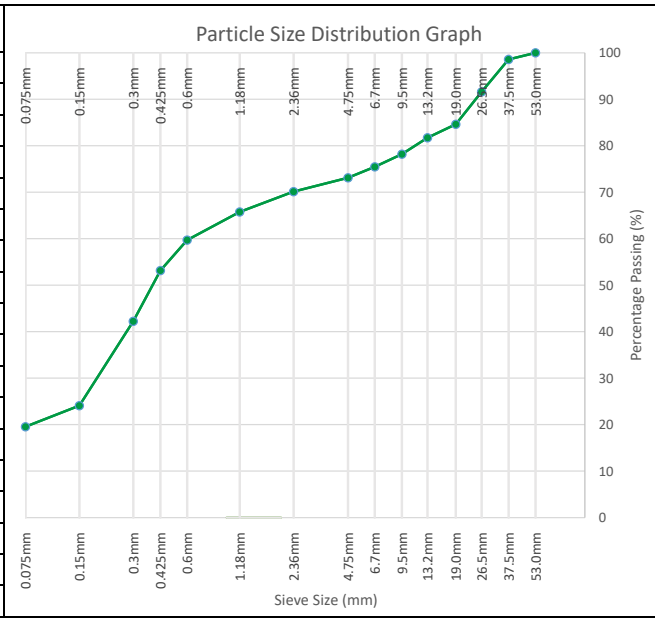
Particle Size Distribution Report

Client :	**Shadforths**	Report Number :	**SR/PTP/14114 - 56/1**
Client Address :	**99 Sandalwood Lane, Forest Glen, QLD, 4556**	Report Date :	**25/07/2024**
Project Name :	**Everleigh - Precinct 8-10 Phase 2 - LV1**	Test Request :	-
Project Number :	**PTP/14114**	**Page 1 of 1**	
Location :	**Greenbank**		

Test Methods :	**AS1289.3.6.1, AS1289.2.1.1, AS1289.1.1**
Material Description	**(SC) Clayey SAND with Gravel, Fine-Grained, Pale Brown, Moist**

Sample Number :	**S/260957**	Sampling Method :	**AS1289.1.2.1 - cl6.4b**
Date Tested :	**17/07/2024**	Time :	**11:10**
Material Source :	**Onsite**	Location 1 :	**Precinct 8.1**
For Use As :	**General Fill**	Location 2 :	**E 499676**
Lot Number :	-	Location 3 :	**N 6932350**
PSD Specification Number :	**N/A**	Location 4 :	**Top 600**

AS Sieve Size (mm) :	Percent Passing (%) :	Specification Limits :
75.0		
63.0		
53.0	**100**	
37.5	**99**	
26.5	**92**	
19.0	**85**	
16		
13.2	**82**	
9.5	**78**	
6.7	**75**	
4.75	**73**	
2.36	**70**	
1.18	**66**	
0.600	**60**	
0.425	**53**	
0.300	**42**	
0.150	**24**	
0.075	**20**	



Remarks :	-

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