

REPORT DETAILS

Unique Document Identification

Item	Description
Document Title	Level 1 Earthworks Report
Project Number	PTP/14114
Document ID	PTP/14114 - 0001 - Rev0
Client	Shadforth Civil
Client Contact	Callum Watts

Protest Office Details

Item	Description
Location	Gold Coast
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Revision Details

Revision No.	Date	Comments
0	25/10/2024	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 10.5 project undertaken September 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)

Approximately 12,980 m³ of fill was placed on site, Drawing No. MIR-1010, Sheet C200 (Premise) attached is the bulk earthworks cut to fill plan. The frequency of field density testing adopted for this project was based on AS3798-2007, Table 8.1 – 'Frequency of Field Density Tests' with a minimum of one test per 500 m³ 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 R	PAVEMENT	TRENCH		
	0.0 - 0.6	0.6 - 3.00	3.00 - 5.00	> 5.00	SUBGRADE	BACKFILL
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

- - 1. OMC OPTIMUM MOISTURE CONTENT
 2. LAYER OF THICKNESS IS LIVITED 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 BACH COMPACTED LAYER USING RUBBER WHEELED PLANT SUCH AS LOADED ADT'S OR LOADED SCRAPERS. UNFAYOURABLE 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 LE 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 USCO IN FILL WITHI REQUIRC

 CUTS IN ROCK AS WELL AS BLENDED WITH

 CUTS IN FIRER 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

The fill materials were moisture conditioned at the fill source and during placement to moisture contents suitable for compaction. Deleterious materials such as organics, sticks, roots and over size particles were sorted and removed during placement or were rejected for use. Occasional oversize particles including cobbles may be present in the deeper fill profile, however, 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 59 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 September 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 10.5, 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.

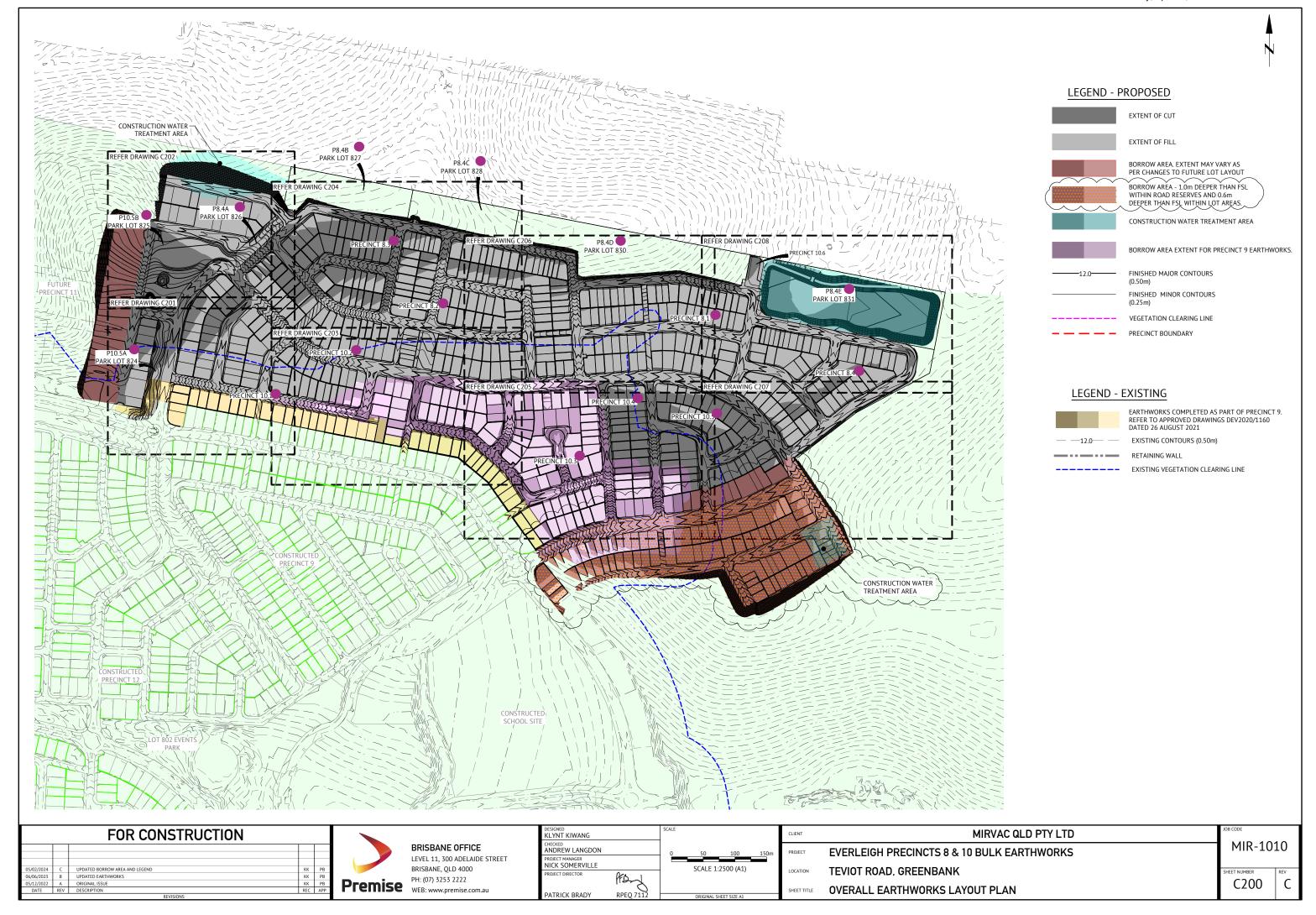
01



Appendix A
Site Plan & Testing Locations









EVERLEIGH PRECINCT 10.5 - LEVEL 1 TESTS

02



Appendix B
Laboratory Test Reports







Client :	Shadforths			R	eport Num	iber :	SR/	PTP/11755 - 71/1	
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD		R	eport Date	:		5/09/2023	
Project Name :	Everleigh Precinct 8 and	10 BEW - LV1		т	est Reques	t:		-	
Project Number :	PTP/11755								
Location :	Lyons						Page 1 of 1		
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,						
Sample Number :	S/213860	S/213861	S/213862	S/213	863	S/213	3864	S/213865	
Date Tested :	22/08/2023	22/08/2023	22/08/2023	22/08/2	2023	22/08	/2023	22/08/2023	
Material Source :	Onsite	Onsite	Onsite	Onsit	te	Ons	site	Onsite	
For use as :	General Fill	General Fill	General Fill	Genera	l Fill	Gener	al Fill	General Fill	
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 2	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 - cl6.4	b
Time :	10:20	10:30	10:40	10:5	0	11:	00	11:10	
Lot Number :	-	-	-	-		-		-	
Location 1 :	E 499646	E 499661	E 499683	E 4996	647	E 499	9667	E 499684	
Location 2 :	N 6932316	N 6932313	N 6932310	N 6932	296	N 693	2299	N 6932290	
Location 3 :	RL 48.4	RL 48.5	RL 48.8	RL 49	0.1	RL 4	9.2	RL 48.9	
Location 4 :	-	-	-	-				-	
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19n	nm	< 19	mm	< 19mm	=
Oversize Wet :	0%	0%	0%	0%		09	%	0%	
Oversize Density - Dry (t/m³):	-	-	-	-				-	
Assigned MDR (Yes/No):	No	No	No	No		N	0	No	
MDR Sample Number :	S/213860	S/213861	S/213862	S/213	863	S/213	3864	S/213865	
MDR Test Date :	29/08/2023	29/08/2023	29/08/2023	29/08/2	2023	30/08	/2023	30/08/2023	
Compaction Type :	Standard	Standard	Standard	Stand	ard	Stan	dard	Standard	
Soil Description :	Clayey Gravelly SAND -	Clayey Gravelly SAND -	Clayey Gravelly SAND -	Clayey Grave		Clayey Grav		Clayey Gravelly SANI) -
	Brown	Brown	Brown	Brow	/n	Bro	wn	Brown	
MDR Test Results									
PCWD (t/m3):	2.05	2.09	2.07	2.0	7	2.0	08	2.06	
Moisture Variation :	2.0%	2.0%	2.0%	2.09	6	2.0	0%	2.0%	
ADJ PCWD (t/m3) :	-	-	-	-		-		-	
ADJ Moisture Variation :	-	-	-	-				-	
Moisture Test Results :									
Field Moisture Content :	11.0%	10.0%	10.0%	9.09	6	9.0)%	9.0%	
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% 0	f 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	١	N/	'A	N/A	
Density Test Results									Ξ
Field Wet Density (t/m3):	2.08	2.06	2.07	2.0	7	2.0	06	2.08	
Density Specification :	95%	95%	95%	95%	6	95	%	95%	
Wet Density Ratio :	101.0%	99.0%	100.0%	100.0)%	99.	0%	101.0%	
Remarks :									
_	1					APPROVED	SIGNATORY	1	=
	for Compliance with ISO/	-				1			
	neering (Gold Coast) Accr tory Site Number - 22838		′			~	_		

ocument Number: RF1 Date: 2/06/2023

Nick Dobson - Signatory

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



Client :	Shadforths			Report Num	iber: SR/	PTP/11755 - 72/1
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD		Report Date	::	7/09/2023
Project Name :	Everleigh Precinct 8 and	10 BEW - LV1		Test Reques	t:	-
Project Number :	PTP/11755					
Location :	Lyons				Page 1 of 1	Į.
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,			
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					
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200	175 / 200
Sampling Method :	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					
Oversize Wet :	0%	0%	0%	0%	0%	0%
Outside Describe Describeration						
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					
MDR Test Results						
PCWD (t/m3) :	2.08	2.07	2.07	2.08	2.09	2.06
Moisture Variation :	2.08	2.07	2.0%	2.08	2.09	2.0%
ivioisture 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					
Variation from 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 :						
	1				APPROVED SIGNATOR	Y
	for Compliance with ISO/				1	
	ineering (Gold Coast) Accr		7			

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



Nick Dobson - Signatory

Date : 2/06/2023



	Shadforths			Report	Number :	SK/	PTP/14114 - 1/1	
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD		Report			7/06/2024	
Project Name :	Everleigh - Precinct 8-10			Test Re			-	
Project Number :	PTP/14114				1			
Location :	Greenbank					Page 1 of 1		
Test Methods :	AS1289.5.4.1, AS1289.5	.8.1, AS1289.2.1.1, AS128	39.5.7.1,	<u> </u>				
Sample Number :	S/252866	S/252867	S/252868	S/252869				
Date Tested :	22/05/2024	22/05/2024	22/05/2024	22/05/2024				
Material Source :	Onsite	Onsite	Onsite	Onsite				
For use as :	General Fill	General Fill	General Fill	General Fill				
Test / Layer Depths :	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	5.4b			
Time :	11:15	11:20	11:30	11:40				
Lot Number :	-	-	-	-				
Location 1 :	E 499794	E 499812	E 499852	E 499890				
Location 2 :	N 6932280	N 6932274	N 6932280	N 6932270				
Location 3 :	2m Below FL	2.2m Below FL	1.9m Below FL	2.2m Below FL				
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/252869				
MDR Test Date :	S/252866	S/252867	S/252868					
	24/05/2024	24/05/2024	24/05/2024	24/05/2024				
Compaction Type : Soil Description :	HILF-STD (CI) Sandy CLAY, Low - Medium Plasticity, Fine Grained,	HILF-STD Gravelly Sandy Clay	HILF-STD Gravelly Sandy Clay	HILF-STD Gravelly Sandy C	lay			
MDR Test Results	Tille Grained,							
PCWD (t/m3):	2.15	2.17	2.17	2.16				
Moisture Variation :	-0.5%	-0.5%	-0.5%	-0.5%				
ADJ PCWD (t/m3) :	-	-	-	-				
ADJ Moisture Variation :	-	-	-	-				
Moisture Test Results :								
Field Moisture Content :	11.5%	12.0%	11.0%	11.0%				
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OM	С			
Variation from OMC :	0.5% Wet of OMC	0.5% Wet of OMC	0.5% Wet of OMC	0.5% Wet of ON	1C			
Moisture Ratio :	N/A	N/A	N/A	N/A				
Density Test Results								
Field Wet Density (t/m3):	2.11	2.11	2.13	2.13				
Density Specification :	95%	95%	95%	95%				
Wet Density Ratio :	98.0%	97.0%	98.0%	98.5%				
Remarks :							l	
	ults contained in this report rela		tested/sampled		APPROVE	D SIGNATOR	1	
NATA Protest Eng	for Compliance with ISO, gineering (Darra) Accredita	tion Number - 2851						
	atory Site Number - 2844 atory Address - 1-2/35 Lim		'6, QLD		Timothy Wa	itson - Signato	ory	

 Document Number:
 RF1
 Date: 13/03/2024



Client Address : 99 Sandalwood Project Name : Everleigh - Precipt Project Number : Project Number : PTP/14114 Greenbank AS1289.5.4.1, All All All All All All All All All Al	1289.5.8.1, AS 4 1 1 (c)		S/256016 11/06/2024 Onsite General Fill			Page 1 of 1			
Project Number : PTP/14114 Location : Greenbank Test Methods : AS1289.5.4.1, A: Sample Number : 5/25601- Date Tested : 11/06/20: Material Source : Onsite For use as : General Fi Test / Layer Depths : 175 / 200 Sampling Method : AS1289.1.2.1 - Location Method : E 49976: Location 1 : E 49976: Location 2 : N 693232 Location 3 : Level Location 4 : - Test Fraction (mm) : < 37.5mr Oversize Wet : 16% Oversize Wet : 16% Oversize Wet : 16% MDR Sample Number : \$/25601- MDR Test Date : 20/06/20: Compaction Type : HILF-STE (CL) Gravelly ! CLAY, Low Plan Brown, Mc ADJ PCWD (t/m3) : 2.17 Moisture Variation : 2.0% Moisture Variation : 2.0% Moisture Test Results : Field M	1289.5.8.1, AS	1289.2.1.1, A5128 5/256015 11/06/2024 Onsite General Fill 175 / 200	S/256016 11/06/2024 Onsite General Fill	S/256 11/06/	017	Page 1 of 1			
Asize Asiz	4 1 1 (c)	S/256015 .1/06/2024 Onsite General Fill 175 / 200	S/256016 11/06/2024 Onsite General Fill	11/06/		\$/256018			
Test Methods :	4 1 1 (c)	S/256015 .1/06/2024 Onsite General Fill 175 / 200	S/256016 11/06/2024 Onsite General Fill	11/06/		\$/256018			
Sample Number:	4 1 1 (c)	S/256015 .1/06/2024 Onsite General Fill 175 / 200	S/256016 11/06/2024 Onsite General Fill	11/06/					
Date Tested: 11/06/200 Material Source: Onsite For use as: General File Test / Layer Depths: 175 / 200 Sampling Method: AS1289.1.2.1 - Time: 06:55 Lot Number: - Location 1: E 49976: Location 2: N 693232 Location 3: Level Location 4: - Test Fraction (mm): < 37.5mr	4 1	Onsite General Fill 175 / 200	11/06/2024 Onsite General Fill	11/06/					
Material Source : Onsite For use as : General Fi Test / Layer Depths : 175 / 200 Sampling Method : AS1289.1.2.1 - Time : 06:55 Lot Number : E 49976: Location 1 : E 49976: Location 2 : N 693232 2.3m Below Fi Level Location 4 : - Test Fraction (mm) : < 37.5mr Oversize Wet : 16% Oversize Density - Dry (t/m³) : 2.41 Assigned MDR (Yes/No) : No MDR Sample Number : S/25601- MDR Test Date : 20/06/20: Compaction Type : HILF-STE (CL) Gravelly : CLAY, Low Pla: Brown, Mc MDR Test Results PCWD (t/m³) : 2.17 Moisture Variation : 2.0% Moisture Variation : 2.0% Moisture Test Results : Field Moisture Content : 8.5% Moisture Specification : +/-2.0% of C	cl6.4b AS128	Onsite General Fill 175 / 200	Onsite General Fill		2024	1	S/256019		
For use as: Test / Layer Depths: Test / Layer Depths: Sampling Method: A\$1289.1.2.1 - 06:55 Lot Number: Location 1: Location 2: N 693232 Sam Below I level level level size Methods Coversize Wet: Test Fraction (mm): Oversize Density - Dry (t/m³): Assigned MDR (Yes/No): MDR Test Date: Compaction Type: HILF-STE (CL) Gravelly: Soil Description: MDR Test Results PCWD (t/m³): ADJ PCWD (t/m³): ADJ PCWD (t/m³): ADJ Moisture Variation: Moisture Test Results: Field Moisture Content: Moisture Specification: 45220.6455 45220.6455 ASSIZE General Fit 75 / 2006 ASSIZE	cl6.4b AS128	General Fill 175 / 200	General Fill	Onsi		11/06/2024	11/06/2024		
Test / Layer Depths: 175 / 200 Sampling Method: A51289.1.2.1 - 06:55 Lot Number: -	cl6.4b AS128	175 / 200			te	Onsite	Onsite		
Sampling Method: Time: O6:55 Lot Number: Location 1: Location 2: Location 3: Location 4: Test Fraction (mm): Oversize Wet: Test Fraction (mm): Oversize Density - Dry (t/m³): Assigned MDR (Yes/No): MDR Sample Number: Sy25601- MDR Test Date: Compaction Type: HILF-STE (CL) Gravelly: CLAY, Low Pla: Brown, Mc MDR Test Results PCWD (t/m³): ADJ PCWD (t/m³): ADJ PCWD (t/m³): ADJ PCWD (t/m³): ADJ Moisture Variation: 2.0% Moisture Test Results: Field Moisture Content: Moisture Specification: 4-7-2.0% of C	cl6.4b AS128			Genera	ıl Fill	General Fill	General Fill		
Time: 06:55 Lot Number:		20 1 2 1 . de 4h	175 / 200	175 /	200	175 / 200	175 / 200		
Lot Number: Location 1: Location 2: N 693232 2.3m Below I level		ンン.エ.と.エ - UIO.4D	AS1289.1.2.1 - cl6.4b	AS1289.1.2.	1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b		
Lot Number: Location 1: Location 2: N 693232 2.3m Below If level Location 4: Test Fraction (mm): Oversize Wet: 16% Oversize Density - Dry (t/m³): Assigned MDR (Yes/No): MDR Sample Number: S/256014 MDR Test Date: Compaction Type: HILF-STE (CL) Gravelly: CLAY, Low Plat Brown, Mc MDR Test Results PCWD (t/m³): ADJ PCWD (t/m³): ADJ PCWD (t/m³): ADJ Moisture Variation: Moisture Test Results: Field Moisture Content: Moisture Specification: +/-2.0% of C		07:00	07:05	07:1		07:15	07:20		
Location 1 : E 49976: Location 2 : N 693232 2.3m Below F Level Location 3 : Level Location 4 : - Test Fraction (mm) : - 37.5mr Oversize Wet : 16% Oversize Density - Dry (t/m²) : 2.41 Assigned MDR (Yes/No) : No MDR Sample Number : \$/25601- MDR Test Date : 20/06/20: Compaction Type : HILF-STE (CL) Gravelly : Soil Description : CLAY, Low Place Brown, Mc MDR Test Results PCWD (t/m³) : 2.17 Moisture Variation : 2.0% Moisture Variation : 2.0% Moisture Test Results : Field Moisture Content : 8.5% Moisture Specification : +/-2.0% of C		-	-	-		-	-		
Location 2 :	1	E 499756	E 499788	E 499	473	E 499421	E 499376		
2.3m Below F Level	, ,	N 6932288	N 6932293	N 6932		N 6932335	N 6932347		
Level Coation 4 : Coation 5 : Coation 6 : Coation 6 : Coation 6 : Coation 6 : Coation 7 : Coat		n Below Finish	2.2m Below Finish	1.2m Belo		0.9m Below Finish	1.1m Below Finish		
Test Fraction (mm):		Level	Level	Leve	el	Level -	Level		
Oversize Wet: 16% Oversize Density - Dry (t/m³): 2.41 Assigned MDR (Yes/No): No MDR Sample Number: \$/256014 MDR Test Date: 20/06/20 Compaction Type: HILF-STE (CL) Gravelly: CLAY, Low Plate Brown, Mo Brown, Mo MDR Test Results 2.17 Moisture Variation: 2.0% ADJ PCWD (t/m³): 2.21 ADJ Moisture Variation: 2.0% Moisture Test Results: 5 Field Moisture Content: 8.5% Moisture Specification: +/-2.0% of C	_	. 27 5	. 27 5	. 10-			. 10		
Oversize Density - Dry (t/m³): Assigned MDR (Yes/No): No MDR Sample Number: S/25601- MDR Test Date: Compaction Type: HILF-STE (CL) Gravelly: CLAY, Low Plat Brown, Mo MDR Test Results PCWD (t/m³): ADJ PCWD (t/m³): ADJ PCWD (t/m³): ADJ Moisture Variation: Moisture Test Results: Field Moisture Content: Moisture Specification: 4.42.0% of C	,	< 37.5mm	< 37.5mm	< 19mm		< 37.5mm	< 19mm		
Assigned MDR (Yes/No): MDR Sample Number: 5/25601 MDR Test Date: 20/06/20 Compaction Type: HILF-STE (CL) Gravelly: CLAY, Low Plat Brown, Mo MDR Test Results PCWD (t/m3): ADJ PCWD (t/m3): ADJ PCWD (t/m3): ADJ Moisture Variation: 2.0% Moisture Test Results: Field Moisture Content: 8.5% Moisture Specification: +/-2.0% of C		24%	8%	199	o .	25%	18%		
MDR Sample Number : \$/25601- MDR Test Date : 20/06/20: Compaction Type : HILF-STE (CL) Gravelly: CLAY, Low Plant Brown, Mode MDR Test Results 2.17 MOISTURE Variation : 2.0% ADJ PCWD (t/m3) : 2.21 ADJ Moisture Variation : 2.0% Moisture Test Results : 5.5% Field Moisture Content : 8.5% Moisture Specification : +/-2.0% of Content in the		2.22	2.49	2.27		2.27		2.32	2.34
MDR Test Date : 20/06/20: Compaction Type : HILF-STE (CL) Gravelly: CLAY, Low Plat Brown, Mc Brown, Mc MDR Test Results 2.17 Moisture Variation : 2.0% ADJ PCWD (t/m3) : 2.21 ADJ Moisture Variation : 2.0% Moisture Test Results : 5 Field Moisture Content : 8.5% Moisture Specification : +/-2.0% of C		No	No	No		No		No	No
Compaction Type: HILF-STE (CL) Gravelly: CLAY, Low Pla: Brown, Mc MDR Test Results PCWD (t/m3): 2.17 Moisture Variation: 2.0% ADJ PCWD (t/m3): 2.21 ADJ Moisture Variation: 2.0% Moisture Test Results: Field Moisture Content: 8.5% Moisture Specification: +/-2.0% of C		S/256015	S/256016	S/256	017	S/256018	S/256019		
(CL) Gravelly: CLAY, Low Plater	4 2	20/06/2024	20/06/2024	20/06/	2024	20/06/2024	20/06/2024		
CLAY, Low Plater Brown, Mode		HILF-STD	HILF-STD	HILF-S	STD	HILF-STD	HILF-STD		
PCWD (t/m3): 2.17 Moisture Variation: 2.0% ADJ PCWD (t/m3): 2.21 ADJ Moisture Variation: 2.0% Moisture Test Results: 5 Field Moisture Content: 8.5% Moisture Specification: +/-2.0% of Contents	ticity, CLAY,	Gravelly Sandy , Low Plasticity, rown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravel CLAY, Low F Brown,	Plasticity,	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist		
Moisture Variation : 2.0% ADJ PCWD (t/m3) : 2.21 ADJ Moisture Variation : 2.0% Moisture Test Results : 5 Field Moisture Content : 8.5% Moisture Specification : +/-2.0% of C	_								
ADJ PCWD (t/m3): 2.21 ADJ Moisture Variation: 2.0% **Moisture Test Results:* Field Moisture Content: 8.5% Moisture Specification: +/-2.0% of C		Testable using his Method	2.18	2.2	0	Not Testable using this Method	2.15		
ADJ Moisture Variation: 2.0% Moisture Test Results: Field Moisture Content: 8.5% Moisture Specification: +/-2.0% of C		-	2.0%	2.59	%	-	2.0%		
ADJ Moisture Variation: 2.0% Moisture Test Results: Field Moisture Content: 8.5% Moisture Specification: +/-2.0% of C		-	2.20	2.2	1	-	2.18		
Moisture Test Results : Field Moisture Content : 8.5% Moisture Specification : +/-2.0% of C		_	2.0%	2.09		-	2.0%		
Field Moisture Content : 8.5% Moisture Specification : +/-2.0% of C									
Moisture Specification : +/-2.0% of C		8.0%	9.0%	8.09	%	7.0%	8.0%		
	MC +/-	2.0% of OMC	+/-2.0% of OMC			+/-2.0% of OMC	+/-2.0% of OMC		
		-	2.0% Dry of OMC	+/-2.0% 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			,	7.			·		
Field Wet Density (t/m3): 2.25		2.21	2.20	2.23		2.22	2.23		
Density Specification : 95%		95%	95%	2.23 95%		95%	95%		
Wet Density Ratio : 101.5%		-	100.0%	101.0		-	102.0%		
Remarks :									

Accredited for Compliance with ISO/ IEC 17025 - Testing Protest Engineering (Gold Coast) Accreditation Number - 19667

Base Laboratory Site Number - 22838 - Gold Coast

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



Joshua Andres - Signatory

Date : 6/06/2024



Client :	Shadforths			Report Nun	nber :	SR/PTP/14114 - 31/1				
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD		Report Date	e :	16/07/2024				
Project Name :	Everleigh - Precinct 8-10	Phase 2 - LV1		Test Reque	st:	-				
Project Number :	PTP/14114				•					
Location :	Greenbank					Page 1 of 1				
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,							
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								
Fest / Layer Depths :	175 / 200	175 / 200								
Sampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b								
Γime :	07:40	07:45								
ot Number :	-	-								
Location 1 :	E 499730	E 499753								
Location 2 :	N 6932281	N 6932352								
_ocation 3 :	U./m Below Finish	U.4m Below Finish								
Location 4 :	Level -	Level -								
Fest Fraction (mm) :	< 19mm	< 19mm			1					
Oversize Wet :	14%	15%								
oversize wet .	14/0	13%								
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 :	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY, Medium Plasticity, Brown, Moist								
MDR Test Results	BIOWII, IVIOISC	BIOWII, IVIOISC								
PCWD (t/m3) :	2.10	2.12								
Moisture Variation :	2.5%	2.5%								
violstare variation.	2.370	2.570								
ADJ PCWD (t/m3) :	2.14	2.14								
ADJ Moisture Variation :	2.0%	2.0%								
Moisture Test Results :	I				<u>.</u> 					
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					İ					
Field Wet Density (t/m3) :	2.05	2.06								
Density Specification :	95%	95%								
Mat Danielo Datie	00.577	00.71								
Wet Density Ratio :	96.0%	96.0%			<u> </u>					
Remarks :										
Note: The res	ults contained in this report relat	e only to the item/s that were to	ested/sampled		APPROVED S	GIGNATORY				
	for Compliance with ISO/		_							
IMIA	gineering (Gold Coast) Acci atory Site Number - 22838		/		1					
WORLD RECOGNISED Race Labor	ratory Address - 8/36 Bland		OLD		loshua Andre	s - Signatory				
ACCREDITATION	,	,	•	l	-5au / Illul C					

Ocument Number: RF1 Date: 6/06/202



Client :	Shadforths				Report Num	ber :	SR/	PTP/14114 - 33/1
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD			Report Date	:		17/07/2024
Project Name :	Everleigh - Precinct 8-10	Test Reques	t:		-			
Project Number :	PTP/14114							
Location :	Greenbank					Pa	age 1 of 1	
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/25	9059	S/2590	60	S/259061
Date Tested :	1/07/2024	1/07/2024	1/07/2024	1/07/	2024	1/07/20	024	1/07/2024
Material Source :	Onsite	Onsite	Onsite	Ons	site	Onsite	2	Onsite
For use as :	General Fill	General Fill	General Fill	Gener	al Fill	General	Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 /	200	175 / 20	00	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	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 499	9705	E 49978	81	E 499792
Location 2 :	N 6932347	N 6932357	N 6932304	N 693		N 69323		N 6932349
Location 3:	0.1m Below Finish	0.3m Below Finish	0.5m Below Finish	0.7m Beld		0.4m Below		0.4m Below Finish
	Level	Level	Level	Lev	/el	Level	I	Level
Location 4 :	-	-	-	-		-		-
Test Fraction (mm) :	< 19mm	< 37.5mm	< 37.5mm	< 19	mm	< 37.5m	nm	< 19mm
Oversize Wet :	18%	18%	21%	17%		6%		17%
Oversize Density - Dry (t/m³) :	2.31	2.26	2.31	2.:	2.32			2.30
Assigned MDR (Yes/No) :	No	No	No	N	0	No		No
MDR Sample Number :	S/259056	S/259057	S/259058	S/25	9059	S/2590	60	S/259061
MDR Test Date :	12/07/2024	12/07/2024	12/07/2024	12/07	/2024	12/07/20	024	12/07/2024
Compaction Type :	HILF-STD	HILF-STD	HILF-STD	HILF	-STD	HILF-ST	ΓD	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 Gravel, Low Brown,	Plasticity,	(CL) Sandy Cl Gravel, Low P Brown, N	lasticity,	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist
MDR Test Results								
PCWD (t/m3):	2.07	2.10	Not Testable using this Method	2.0	05	2.12		2.05
Moisture Variation :	2.0%	2.0%	-	2.5	5%	2.5%		2.5%
ADJ PCWD (t/m3):	2.11	2.13	-	2.0		2.13		2.09
ADJ Moisture Variation :	2.0%	2.0%	-	2.0)%	2.0%	1	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%		+/-2.0% of		+/-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 N/A		2.0% Dry of OMC
Moisture Ratio :	N/A	N/A	-	N/	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%	6	98.0%
Remarks :								
Note: The rec	ults contained in this report relate	only to the item/s that were to	sted/sampled	1		APPROVED SIG	GNATOP	,
	for Compliance with ISO/		, sumpreu			AL FROVED SIG	SINCION	•

NATA
WORLD RECOGNISED

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



Joshua Andres - Signatory

 Document Number:
 RF1
 Date:
 6/06/2024



Client :	Shadforths				Report Num	iber :	SR/I	PTP/14114 - 36/1	
Client Address :	99 Sandalwood Lane, Fo	rest Glen. 4556. QLD			Report Date			17/07/2024	
Project Name :	Everleigh - Precinct 8-10				Test Reques			-	
Project Number :	PTP/14114					·			
Location :	Greenbank			Page 1 of 1					
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/259	9531	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	Ons	iite	Onsite		Onsite	
For use as :	General Fill	General Fill	General Fill	Gener	al 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	2.1 - cl6.4b	AS1289.1.2.1 - c	l6.4b	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 499	9704	E 499745		E 499764	
Location 2 :	N 6932333	N 6932375	N 6932378	N 693	2224	N 6932278		N 6932272	
Laardian 2.	0.3m Below Finish	0.1m Below Finish	0.2m Below Finish	0.6m Beld	ow Finish	0.5m Below Fir	nish	0.7m Below Finish	
Location 3 :	Level	Level	Level	Lev	rel .	Level		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/259	9531	S/259532		S/259533	
MDR Test Date :	12/07/2024	12/07/2024	12/07/2024	12/07	/2024	12/07/2024	1	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 Sandy G Medium- Brown,	RAVEL, Grained,	(GW-GM) Clay Sandy GRAVE Medium-Grain Brown, Mois	EL, ned,	(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	2.0	03	2.11		2.05	
Moisture Variation :	-	-	2.0%	2.0)%	2.0%		2.0%	
ADJ PCWD (t/m3) :	_	_	2.08	2.0	าล	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%		+/-2.0% of ON	VIC.	+/-2.0% of OMC	
Variation from OMC :	, 2.2.3 6. 66	-	2.0% Dry of OMC	2.0% Dry		1.5% Dry of O		1.5% Dry of OMC	
Moisture Ratio :	-	-	N/A	N/		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 :									
	United the second territory of	- only as also large ()	and discounted	ı		**************************************	.=c:		
	ults contained in this report relation for Compliance with ISO/		sted/sampled			APPROVED SIGNA	ATOR	r	
	rineering (Gold Coast) Accr			I		()			

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

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

Joshua Andres - Signatory



Client : Client Address :	Shadforths	rost Clan AFFE OLD		Report Nu		PTP/14114 - 37/1 17/07/2024
	99 Sandalwood Lane, Fo			Report Da		17/07/2024
Project Name :	Everleigh - Precinct 8-10	Phase 2 - LV1		Test Requ	est :	-
Project Number :	PTP/14114				Page 1 of 1	
Location :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,			
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					
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 - cl6.4k	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	0.8m Below Finish	0.5m Below Finish	0.7m Below Finish	0.9m Below Finish
Location 4 :		Level -	Level -	Level -	Level	Level -
					1	
Test Fraction (mm) :	< 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					
MDR Test Results	Brown, moist	Brown, moist	S. G. W. J. W. G. S.	Brown, moise	D. G.W.I., W. G.SC	Brown, moise
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					
Variation from 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 :						
Note: The res	ults contained in this report relate	only to the item/s that were te	sted/sampled		APPROVED SIGNATOR	Y
	for Compliance with ISO/	-				
IMIA	gineering (Gold Coast) Accr atory Site Number - 22838		,		1	

Document Number: RF1 Date: 6/06/2024

Joshua Andres - Signatory

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



Client Address : Project Name : Project Number : Location :	99 Sandalwood Lane, Fo Everleigh - Precinct 8-10	rest Glen, 4556, QLD			Report Date	e:	24/07/2024
Project Number :	-						24/0//2024
-		Phase 2 - LV1		ŀ	Test Reques	t:	-
_ocation :	PTP/14114						
	Greenbank					Page 1 of 1	
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,				
Sample Number :	S/260020	S/260021	S/260022	S/260	0023	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	Ons	ite	Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	Gener	al 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 499	801	E 499778	E 499909
Location 2 :	N 6932309	N 6932306	N 6932268	N 693	2290	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	< 37.5	mm	< 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	0	No	No
MDR Sample Number :	S/260020	S/260021	S/260022	S/260	0023	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-	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) Silt GRAVEL, I Grained, Mo	Medium- Brown,	(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	2.1	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	2.1	15	2.12	2.10
ADJ Moisture Variation :	-	2.0%	1.5%	2.0	1%	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%		+/-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/	Ά	N/A	N/A
Density Test Results							
Field Wet Density (t/m3) :	2.12	2.12	2.08	2.1	11	2.09	2.09
Density Specification :	95%	95%	95%	95	%	95%	95%
Wet Density Ratio :	-	99.5%	98.0%	98.0	0%	98.5%	99.5%
Remarks :							
	ults contained in this report relate		ested/sampled			APPROVED SIGNATOR	Y

Base Laboratory Site Number - 22838 - Gold Coast

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



Joshua Andres - Signatory



Client :	Shadforths	Shadforths				ber :	SR/I	PTP/14114 - 45/1
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD			Report Date	:		24/07/2024
Project Name :	Everleigh - Precinct 8-10	Phase 2 - LV1			Test Reques	t:		-
Project Number :	PTP/14114						54.64	
Location :	Greenbank						Page 1 of 1	
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS1289	9.5.7.1,					
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						
Location 4 :	- I IIIISII LEVEI	Level						
	-	-						
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	N/A	1975						
Field Wet Density (t/m3) :	2.06	2.07						
Density Specification :	95%	95%						
Wet Density Ratio :	100.5%	100.0%						
Remarks :								
Accredite Protest E	esults contained in this report relate ed for Compliance with ISO/ ngineering (Gold Coast) Accr oratory Site Number - 22838	IEC 17025 - Testing editation Number - 19667				APPROVED	SIGNATORY	
ACCREDITATION Base Lab	oratory Address - 8/36 Blanc	k Street, Ormeau, 4208, Q	LD		J	oshua Andre	es - Signator	у

Document Number: RF1 Date: 6/06/2024



Client :	Shadforths			Report Nun	nhor.	SR/PTP/14114 - 54/1		
		rost Glon 4EE6 OLD						
Client Address : Project Name :	99 Sandalwood Lane, Fo Everleigh - Precinct 8-10			Report Date		24/07/2024		
*		Phase 2 - LV1		Test Reque	st:	-		
Project Number :	PTP/14114				Pag	e 1 of 1		
Location :	Greenbank							
Test Methods :	AS1289.5.4.1, AS1289.5	8.1, AS1289.2.1.1, AS128	9.5.7.1,					
Sample Number :	S/260419	S/260420	S/260421	S/260422				
Date Tested :	12/07/2024	12/07/2024	12/07/2024	12/07/2024				
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 :	10:50	10:55	11:00	11:05				
Lot Number :	-	-	-	-				
Location 1:	E 499887	E 499902	E 499753	E 499768				
Location 2 :	N 6932248	N 6932211		N 6932225				
	N 6932248 0.6m Below Finish	N 6932211 0.5m Below Finish	N 6932229 0.5m Below Finish	N 6932225 0.4m Below Finish				
Location 3 :	Level	Level	Level	Level				
Location 4 :	-	-	-					
Test Fraction (mm) :	< 19mm	< 19mm	< 37.5mm	< 19mm				
Oversize Wet :	18%	13%	20%	19%				
Oversize Density - Dry (t/m³):	2.37	2.41	2.42	2.37				
Assigned MDR (Yes/No):	No	No	No	No				
MDR Sample Number :	S/260419	S/260420	S/260421	S/260422				
MDR Test Date :	19/07/2024	19/07/2024	19/07/2024	19/07/2024				
Compaction Type :	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					
MDR Test Results								
PCWD (t/m3) :	2.02	2.02	Not Testable using	2.00				
	2.02	2.02	this Method	2.00				
Moisture Variation :	2.5%	2.0%	-	2.0%				
ADJ PCWD (t/m3) :	2.07	2.07	-	2.06				
ADJ Moisture Variation :	2.0%	2.0%	-	1.5%				
Moisture Test Results :								
Field Moisture Content :	9.5%	10.0%	10.0%	11.5%				
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	-	1.5% Dry of OMC				
Moisture Ratio :	N/A	N/A	-	N/A	1			
Density Test Results				·				
Field Wet Density (t/m3) :	2.08	2.09	2.08	2.07				
Density Specification :	95%	95%	95%	95%				
Wet Density Ratio :	100.5%	101.0%	-	100.5%				
Remarks :					1	<u> </u>		
Note: The re	sults contained in this report relat	e only to the item/s that were to	ested/sampled		APPROVED SIGN	NATORY		
Accredite Protest Er	d for Compliance with ISO/ gineering (Gold Coast) Acci ratory Site Number - 22838	IEC 17025 - Testing reditation Number - 1966		2				
WORLD RECOGNISED Base Labo	ratory Address - 8/36 Bland	k Street, Ormeau, 4208, (QLD	Joshua Andres - Signatory				

Document Number: RF1 Date: 6/06/2024



Client :	Shadforths			Report Numb	er:	SR/PTP/14114 - 58/1
Client Address :	99 Sandalwood Lane, Fo	rest Glen. 4556. QLD		Report Date :		12/08/2024
Project Name :	Everleigh - Precinct 8-10			Test Request		,,
Project Number :	PTP/14114			rest nequest	.	
Location :	Greenbank				Page 1	of 1
Education :	Greenbank					
Test Methods :	AS1289.5.4.1, AS1289.5	.8.1, AS1289.2.1.1, AS128	9.5.7.1,			
Sample Number :	S/262162	S/262163				
Date Tested :	25/07/2024	25/07/2024				
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 :	07:20	07:25				
Lot Number :	-	-				
Location 1 :	E 499782	E 499794				
Location 2 :	N 6932224	N 6932218				
	0.2m Below Finish	0.1m Below Finish				
Location 3 :	Level	Level				
Location 4 :	-	-				
Test Fraction (mm) :	< 19mm	< 19mm				
Oversize Wet :	20%	19%				
Ourseine Deseite - Des (t/m3) -	2.25	2.24				
Oversize Density - Dry (t/m³):	2.35	2.31				
Assigned MDR (Yes/No) :	No S (252452	No C/252452				
MDR Sample Number :	S/262162	S/262163				
MDR Test Date :	31/07/2024	31/07/2024				
Compaction Type :	Hilf-Std	Hilf-Std				
	(CI) Sandy CLAY trace Gravel, Medium	(CI) Sandy CLAY trace Gravel, Medium				
Soil Description :	Plasticity, Brown,	Plasticity, Brown,				
	Moist	Moist				
MDR Test Results						
PCWD (t/m3):	2.14	2.16				
Moisture Variation :	1.5%	1.5%				
ADJ PCWD (t/m3) :	2.18	2.19				
ADJ Moisture Variation :	1.5%	1.5%				
Moisture Test Results :			T			
Field Moisture Content :	9.0%	11.5%				
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC				
Variation from OMC :	1.5% Dry of OMC	1.5% Dry of OMC				
Moisture Ratio :	N/A	N/A				
Density Test Results						
Field Wet Density (t/m3) :	2.06	2.02				
Density Specification :	95%	95%				
Wet Density Ratio :	94.5%	92.5%				
The Sensity Radio .	J-1.3/0	J2.3/0				
Remarks :						
	ults contained in this report rela		tested/sampled	A	PPROVED SIGNAT	ORY
	for Compliance with ISO, gineering (Gold Coast) Acc		7		1	
IMIA	gineering (Gold Coast) Acci atory Site Number - 22838		'		~	
ACCREDITATION Base Labor	atory Address - 8/36 Bland	k Street, Ormeau, 4208, 0	QLD	N	lick Dobson - Signa	ntory



Client :	Shadforths				Report Num	nber: SR/	PTP/14114 - 59/1
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD			Report Date	2:	13/08/2024
Project Name :	Everleigh - Precinct 8-10	Phase 2 - LV1		ŀ	Test Reques	st:	_
Project Number :	PTP/14114			f			
Location :	Greenbank					Page 1 of 1	
Test Methods :	AS1289.5.4.1, AS1289.5	.8.1, AS1289.2.1.1, AS128	39.5.7.1,				
Sample Number :	S/263104	S/263105	S/263106	S/263	107	S/263108	S/263109
Date Tested :	31/07/2024	31/07/2024	31/07/2024			31/07/2024	31/07/2024
Material Source :	Onsite	Onsite	Onsite	31/07/2024 Onsite		Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	Gener	al 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 - cl6.4
Time :	10:30	10:35	10:40	10:	45	10:50	10:50
Lot Number :	-	-	-			-	-
Location 1 :	E 499844	E 499858	E 499868	E 499	051	E 499960	E 499998
Location 1 :	N 6932188			N 693			
	0.5m Below Finish	N 6932178 0.6m Below Finish	N 6932167 0.4m Below Finish	0.8m Belo		N 6932187 0.5m Below Finish	N 6932217 0.6m Below Finish
Location 3 :	Level	Level	Level	Lev		Level	Level
Location 4 :	-	-	-	-		-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 191	nm	< 19mm	< 19mm
Oversize Wet :	10%	14%	14%	10%		11%	10%
Oversize Density - Dry (t/m³) :	2.32	2.28	2.37	2.39		2.41	2.37
Assigned MDR (Yes/No) :	No	No	No	No	No No		No
MDR Sample Number :	S/263104	S/263105	S/263106	S/263107 S/263108		S/263109	
MDR Test Date :	7/08/2024	7/08/2024	7/08/2024	7/08/	7/08/2024 7/08/202		7/08/2024
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		Plasticity,	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist	(CL) Sandy CLAY wit Gravel, Low Plasticit Brown, Moist
MDR Test Results							
PCWD (t/m3) :	2.14	2.14	2.13	2.1	3	2.13	2.13
Moisture Variation :	2.0%	2.0%	2.0%	2.5	%	2.0%	2.0%
ADJ PCWD (t/m3) :	2.15	2.16	2.16	2.1	.6	2.16	2.16
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0	%	2.0%	2.0%
Moisture Test Results :							
Field Moisture Content :	7.5%	7.5%	7.5%	7.5	%	7.5%	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
Moisture Ratio :	N/A	N/A	N/A	N/	A	N/A	N/A
Density Test Results							
Field Wet Density (t/m3) :	2.17	2.18	2.16	2.1	.6	2.18	2.18
Density Specification :	95%	95%	95%	95	%	95%	95%
Wet Density Ratio :	100.5%	101.0%	100.0%	100.0%		101.0%	101.5%
Remarks :							
Alaca =1	sults contained in this	o only to the ite /- tht	neted/compled	I		ADDROVED CICALATOR	<u> </u>
	sults contained in this report relat d for Compliance with ISO/		estea/sampled			APPROVED SIGNATOR	Y

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



Joshua Andres - Signatory



Client :	Shadforths			Report Num	nber :	SR/PTP/14114 - 60/1	
Client Address :	99 Sandalwood Lane, Fo	rest Glen. 4556. OLD		Report Date		14/08/2024	
Project Name :	Everleigh - Precinct 8-10			Test Reques		- 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	
Project Number :	PTP/14114	Thuse E - EVI		rest neque.			
Location :	Greenbank				Page 1	of 1	
	Greenbank						
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,				
Sample Number :	S/262786	S/262787	S/262788	S/262789			
Date Tested :	30/07/2024	30/07/2024	30/07/2024	30/07/2024			
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 :	-	-	-	-	1		
Location 1 :	E 499807	E 499817	E 499832	E 499984			
Location 2 :	N 6932214	N 6932201	N 6932194	N 6932209			
Location 3 :	0.6m Below Finish	0.5m Below Finish	0.6m Below Finish	0.7m Below Finish			
	Level	Level	Level	Level			
Location 4 :	-	-	-	-			
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19mm			
Oversize Wet :	13%	15%	20%	14%			
Oversize Density - Dry (t/m³) :	2.23	2.41	2.29	2.35			
Assigned MDR (Yes/No):	No	No	No	No			
MDR Sample Number :	S/262786	S/262787	S/262788	S/262789			
MDR Test Date :	9/08/2024	9/08/2024	9/08/2024	9/08/2024			
Compaction Type :	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			
MDR Test Results							
	2.00		2.00	2.04			
PCWD (t/m3):	2.08	2.01	2.03	2.04			
Moisture Variation :	2.0%	2.5%	2.5%	2.0%			
ADJ PCWD (t/m3) :	2.09	2.06	2.08	2.08			
ADJ Moisture Variation :	2.0%	2.0%	2.0%	2.0%			
Moisture Test Results :							
Field Moisture Content :	11.5%	12.0%	11.0%	12.0%			
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	1		
Density Test Results							
Field Wet Density (t/m3) :	2.09	2.08	2.09	2.08	1		
Density Specification :	95%	95%	95%	95%	1		
Wet Density Ratio :	100.0%	101.0%	100.5%	100.0%			
Remarks :					<u> </u>	<u> </u>	
	results contained in this report relate		sted/sampled		APPROVED SIGNAT	ORY	
NATA Protest I	ed for Compliance with ISO/ Engineering (Gold Coast) Accr Poratory Site Number - 22838	editation Number - 19667	7	2			
	oratory Site Number - 22838 oratory Address - 8/36 Blanc		ĮLD	Joshua Andres - Signatory			

Document Number :



Client Address : Project Name : Project Number : Location : Test Methods : Sample Number : Date Tested : Material Source : For use as : Test / Layer Depths : Sampling Method : Time :	1	99 Sandalwood Lane, Fo Everleigh - Precinct 8-10 PTP/14114				Report Date :		20/08/2024
Project Number : Location : Test Methods : Sample Number : Date Tested : Material Source : For use as : Test / Layer Depths : Sampling Method :	1	Everleigh - Precinct 8-10						
Project Number : Location : Test Methods : Sample Number : Date Tested : Material Source : For use as : Test / Layer Depths : Sampling Method :	ı (11	Test Request :		-
Location : Test Methods : Sample Number : Date Tested : Material Source : For use as : Test / Layer Depths : Sampling Method :	(•			F			
Test Methods : Sample Number : Date Tested : Material Source : For use as : Test / Layer Depths : Sampling Method :		Greenbank					Page 1 of 1	
Sample Number : Date Tested : Material Source : For use as : Test / Layer Depths : Sampling Method :		<u> </u>						
Date Tested : Material Source : For use as : Test / Layer Depths : Sampling Method :	ľ	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,				
Material Source : For use as : Test / Layer Depths : Sampling Method :		S/263873	S/263874	S/263875	S/263			
For use as : Test / Layer Depths : Sampling Method :		7/08/2024	7/08/2024	7/08/2024	7/08/2	2024		
Test / Layer Depths : Sampling Method :		Onsite	Onsite	Onsite	Onsi	te		
Sampling Method :		General Fill	General Fill	General Fill	Genera	al Fill		
		175 / 200	175 / 200	175 / 200	175 / 2	200		
Time :		AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b	AS1289.1.2.	.1 - cl6.4b		
		11:20	11:25	11:30	11:3	35		
Lot Number :		-	-	-	-			
Location 1:		E 499928	E 499942	E 499879	E 499	848		
Location 2 :		N 6932168	N 6932161	N 6932168	N 6932	2160		
Location 3 :		0.7m Below Finish	1m Below Finish	0.5m Below Finish	0.8m Belo	w Finish		
Location 4 :		Level -	Level -	Level -	Leve	el		
	l				l.	1		
Test Fraction (mm) :		< 19mm	< 19mm	< 19mm	< 19n			
Oversize Wet :		11%	4%	0%	6%			
Oversize Density - Dry (t/m	³):	2.44	2.71	-	2.5	8		
Assigned MDR (Yes/No):		No	No	No	No)		
MDR Sample Number :		S/263873	S/263874	S/263875	S/263	876		
MDR Test Date :		15/08/2024	15/08/2024	15/08/2024	15/08/	2024		
Compaction Type :		Hilf-Std	Hilf-Std	Hilf-Std	Hilf-S	Std		
Soil Description :		(CI) Sandy CLAY with Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY with Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY with Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy C Gravel, N Plasticity, Moi	1edium Brown,		
MDR Test Results								
PCWD (t/m3) :		1.99	1.97	1.99	2.0	1		
Moisture Variation :		2.0%	2.0%	2.0%	2.09	%		
ADJ PCWD (t/m3) :		2.03	1.99	-	2.0	4		
ADJ Moisture Variation :		2.0%	2.0%	-	2.09	%		
Moisture Test Results :								
Field Moisture Content :		14.5%	15.0%	14.5%	16.0	%		
Moisture Specification :		+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% c			
Variation from OMC :		2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry			
Moisture Ratio :		N/A	N/A	N/A	N/A			
Density Test Results		***	×	,···				
Field Wet Density (t/m3) :		2.04	2.01	2.01	2.0	4		
Density Specification :		95%	95%	95%	95%			
Wet Density Ratio :		100.5%	101.5%	101.0%	100.0			
					200.0			
Remarks :								
			only to the item/s that were te	ested/sampled		APPRO	OVED SIGNATOR	·
NATA	Protest Engin		editation Number - 19667	7	\searrow			
WORLD RECOGNISED		ory Site Number - 22838		חומ	Joshua Andres - Signatory			
Base Laboratory Address - 8/36 Blanck Street, Ormeau, 4208, QLD Document Number: RF1 Date: 8/07/2024								

Document Number: RF1 Date: 8/07/2024



Client Address : Project Name : Project Number : Location : Fest Methods :	99 Sandalwood Lane, Fo Everleigh - Precinct 8-10 PTP/14114 Greenbank				Report Date :		22/08/2024
roject Number : ocation :	PTP/14114	Phase 2 - LV1		Т			
ocation :					Fest Request :		-
	Greenbank					Dogo 1 of 1	
Fest Methods :						Page 1 of 1	
	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,				
Sample Number :	S/264210	S/264211	S/264212	S/264:	213		
Date Tested :	9/08/2024	9/08/2024	9/08/2024	9/08/2	2024		
Material Source :	Onsite	Onsite	Onsite	Onsi	ite		
For use as :	General Fill	General Fill	General Fill	Genera	al Fill		
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 / 2	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		
Γime :	06:50	06:55	07:00	07:0	05		
Lot Number :	-	-	-	-			
Location 1 :	E 499778	E 499793	E 499808	E 4998	823		
Location 2 :	N 6932184	N 6932187	N 6932180	N 6932			
Location 3 :	0.6m Below Finish Level	0.8m Below Finish Level	0.5m Below Finish Level	0.5m Belov Leve	w Finish		
Location 4 :	-	-	-	-			
Fest Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19n	nm		
Oversize Wet :	0%	0%	0%	0%			
Oversize Density - Dry (t/m³) :	-	-	-	-			
Assigned MDR (Yes/No) :	No	No	No	No)		
MDR Sample Number :	S/264210	S/264211	S/264212	S/264	213		
MDR Test Date :	21/08/2024	21/08/2024	21/08/2024	21/08/2	2024		
Compaction Type :	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-S	Std		
Soil Description :	(CI) Sandy CLAY with Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY with Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy CLAY with Gravel, Medium Plasticity, Brown, Moist	(CI) Sandy C Gravel, M Plasticity, Moi:	1edium Brown,		
MDR Test Results							
PCWD (t/m3) :	2.08	2.07	2.08	2.0	7		
Moisture Variation :	2.0%	2.0%	2.0%	2.09			
violacial e variation .	2.070	Z.U70	2.070	2.07	/0		
ADJ PCWD (t/m3) :	-	-	-	-			
ADJ Moisture Variation :		-	-	-			
Moisture Test Results :							
Field Moisture Content :	11.0%	12.0%	13.0%	12.5	5%		
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% c	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	A		
Density Test Results							
Field Wet Density (t/m3) :	2.11	2.11	2.08	2.10	0		
Density Specification :	95%	95%	95%	95%	%		
Wet Density Ratio :	101.0%	102.0%	100.0%	101.5%			
Remarks :							<u>I</u>



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

Joshua Andres - Signatory

RF1 Date : 8/07/2024



Client :	Shadforths			Report Number :	SR/PTP/14114 - 67/1
Client Address :	99 Sandalwood Lane, F	orest Glen, 4556. QLD		Report Date :	23/08/2024
Project Name :	Everleigh - Precinct 8-1			Test Request :	
Project Number :	PTP/14114				
Location :	Greenbank				Page 1 of 1
Test Methods :	AS1289.5.4.1, AS1289.	5.8.1, AS1289.2.1.1, AS128	9.5.7.1,		
Sample Number :	C/26E494	C/26EA9E			
Date Tested :	S/265484 21/08/2024	S/265485 21/08/2024			
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 :	06:55	07:00			
Lot Number :	-	-			
Location 1:	E 499817	E 499834			
Location 2 :	N 6932144	N 6932151			
Location 3 :	0.7m Below Finish	0.6m Below Finish			
Location 4 :	Level	Level -			
Test Fraction (mm) : Oversize Wet :	< 19mm 0%	< 19mm			
oversize wet :	U%	0%			
Oversize Density - Dry (t/m³): -	-			
Assigned MDR (Yes/No):	No	No			
MDR Sample Number :	\$/265484	S/265485			
MDR Test Date :	21/08/2024	21/08/2024			
Compaction Type :	Hilf-Std	Hilf-Std			
Soil Description :	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist			
MDR Test Results					
PCWD (t/m3):	2.09	2.08			
,,					
Moisture Variation :	2.0%	2.0%			
ADJ PCWD (t/m3):	-	-			
ADJ Moisture Variation :	-	-			
Moisture Test Results :					
Field Moisture Content :	12.5%	11.0%			
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	6	2.42			
Field Wet Density (t/m3):	2.11	2.12			
Density Specification :	95%	95%			
Wet Density Ratio :	101.0%	101.5%			
Remarks :				•	
, N	ote: The results contained in this report rela	ite only to the item/s that were te	sted/sampled	APPROVE	D SIGNATORY
	accredited for Compliance with ISO				
	rotest Engineering (Gold Coast) Ac lase Laboratory Site Number - 2283		,	>	
ACCREDITATION	ase Laboratory Address - 8/36 Blar	ick Street, Ormeau, 4208, C	(LD	Joshua And	dres - Signatory

Document Number: RF1 Date: 16/08/2024



Client :	Shadforths				Report Num	nber : SR/	PTP/14114 - 69/1
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD			Report Date	::	10/09/2024
Project Name :	Everleigh - Precinct 8-10	Phase 2 - LV1			Test Reques	it:	-
Project Number :	PTP/14114						
Location :	Greenbank					Page 1 of 1	
Test Methods :	AS1289.5.4.1, AS1289.5	.8.1, AS1289.2.1.1, AS128	39.5.7.1,				
Sample Number :	S/266085	S/266086	S/266087	S/26	5088	S/266089	S/266090
Date Tested :	26/08/2024	26/08/2024	26/08/2024	26/08	/2024	26/08/2024	26/08/2024
Material Source :	Onsite	Onsite	Onsite	Onsite		Onsite	Onsite
For use as :	General Fill	General Fill	General Fill	Gene	al 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	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 499935	E 499906	E 499913	E 499	9876	E 499868	E 499857
Location 2 :	N 6932154	N 6932120	N 6932102	N 693		N 6932118	N 6932115
Location 3 :	0.3m Below Finish Level	0.5m Below Finish Level	1.1m Below Finish Level	0.9m Belo		1.0m Below Finish Level	1.1m Below Finish Level
Location 4 :	-	-	-			-	-
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19	mm	< 19mm	< 19mm
Oversize Wet :	8%	11%	12%	18		12%	3%
OVELSIZE VVCC.	0,0	1170	1270	16%		1270	370
Oversize Density - Dry (t/m³) :	2.10	2.15	2.33	2.19		2.32	2.31
Assigned MDR (Yes/No):	No	No	No	N	0	No	No
MDR Sample Number :	S/266085	S/266086	S/266087	S/26	5088	S/266089	S/266090
MDR Test Date :	5/09/2024	5/01/1900	5/09/2024	5/09/	2024	0/01/1900	0/01/1900
Compaction Type :	Hilf-Std	Hilf-Std	Hilf-Std	Hilf	Hilf-Std		Hilf-Std
Soil Description :	(CL, CI) - Sandy CLAY with GRAVEL - Brown	(CL, CI) - Sandy CLAY with GRAVEL - Brown	(CL, CI) - Sandy CLAY with GRAVEL - Brown	(CL, CI) - So with GRAV	-	(CL, CI) - Sandy CLAY with GRAVEL - Brown	(CL, CI) - Sandy CLAY with GRAVEL - Brown
MDR Test Results							
PCWD (t/m3) :	2.10	2.10	2.11	2.0	09	2.09	2.12
Moisture Variation :	2.0%	2.0%	2.0%	2.0)%	0.5%	0.5%
ADJ PCWD (t/m3) :	2.10	2.11	2.13	2.	11	2.12	2.13
ADJ Moisture Variation :	2.0%	2.0%	1.5%	1.5		0.5%	0.5%
	2.070	2.070	1.570	1.,	770	0.570	0.570
Moisture Test Results : Field Moisture Content :	13.0%	11.5%	11.0%	11.	5%	13.0%	12.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0%		+/-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		0.5% Dry of OMC	0.5% Dry of OMC
Moisture Ratio :	N/A	N/A	N/A	1.370 DI		N/A	N/A
Density Test Results	1975	13/15	1975	14,		1975	147.5
Field Wet Density (t/m3) :	2.03	2.02	2.04	2.0	13	2.02	2.03
Density Specification :	95%	95%				95%	95%
			95%	95			
Wet Density Ratio :	97.0%	96.0%	95.5%	96.	5%	95.5%	95.5%
Remarks :							
Note: The re	sults contained in this report rela	te only to the item/s that were	tested/sampled			APPROVED SIGNATOR	Y
	for Compliance with ISO		7			1	
	gineering (Gold Coast) Acci ratory Site Number - 22838		,	1		~	

Base Laboratory Site Number - 22838 - Gold Coast

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

Nick Dobson - Signatory

Document Number : RF1 Date: 16/08/2024



Client :	Shadforths				Report Num	nber :	SR/	PTP/14114 - 70/1
Client Address :	99 Sandalwood Lane, Fo	rest Glen. 4556. OLD			Report Date		•	17/09/2024
Project Name :	Everleigh - Precinct 8-10				Test Reques			
Project Number :	PTP/14114			ŀ	rest neque:			
Location :	Greenbank					1	Page 1 of 1	
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,					
Sample Number :	S/266322	S/266323	S/266324	S/266	5325	S/266	326	S/266327
Date Tested :	27/08/2024	27/08/2024	27/08/2024	27/08/	/2024	27/08/	2024	27/08/2024
Material Source :	Onsite	Onsite	Onsite	Ons	Onsite		te	Onsite
For use as :	General Fill	General Fill	General Fill	Gener	al Fill	Genera	al Fill	General Fill
Test / Layer Depths :	175 / 200	175 / 200	175 / 200	175 /	200	175 / 2	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 :	06:35	06:40	06:45	06:	50	06:5	55	07:00
Lot Number :	-	-	-	_		_		-
Location 1:	E 499926	E 499897	E 499875	E 499	825	E 4998	851	E 499839
Location 2 :	N 6932214	N 6932204	N 6932222	N 693		N 6932		N 6932144
Location 3 :	0.1m Below Finish	0.2m Below Finish	0.1m Below Finish	Finish		Finish L		0.1m Below Finish
	Level	Level	Level				Level	Level -
Location 4 :	-	-	-	-		-		1
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 19		< 19n		< 19mm
Oversize Wet :	3%	6%	8%	0%		119	%	6%
Oversize Density - Dry (t/m³) :	2.32	2.31	2.40	-		2.30		2.26
Assigned MDR (Yes/No):	No	No	No	N	0	No		No
MDR Sample Number :	S/266322	S/266323	S/266324	S/266325 S/266326		326	S/266327	
MDR Test Date :	4/09/2024	4/09/2024	4/09/2024	4/09/2024 4/09/2024		2024	4/09/2024	
Compaction Type :	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-	Hilf-Std		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 Gravel, Low Brown,	Plasticity,	(CL) Sandy (Gravel, Low Brown,	Plasticity,	(CL) Sandy CLAY with Gravel, Low Plasticity, Brown, Moist
MDR Test Results								
PCWD (t/m3) :	2.05	2.03	1.98	2.0	12	1.9	9	2.03
Moisture Variation :	1.5%	2.5%	2.5%	2.0	1%	2.59	%	2.0%
ADJ PCWD (t/m3) :	2.06	2.04	2.00	-		2.0	2	2.04
ADJ Moisture Variation :	1.5%	2.0%	2.0%			2.09	%	2.0%
Moisture Test Results :								
Field Moisture Content :	11.0%	8.0%	9.0%	10.0	0%	8.59	%	10.0%
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0%	of OMC	+/-2.0% c	of OMC	+/-2.0% of OMC
Variation from OMC :	1.5% Dry of OMC	2.0% Dry of OMC	2.0% Dry of OMC	2.0% Dry	of OMC	2.0% Dry	of OMC	2.0% Dry of OMC
Moisture Ratio :	N/A	N/A	N/A	N/	Α	N/A	4	N/A
Density Test Results								
Field Wet Density (t/m3) :	2.06	2.04	2.02	2.0)5	2.0	1	2.09
Density Specification :	95%	95%	95%	95	%	95%	%	95%
Wet Density Ratio :	100.5%	100.0%	101.0%	101.	5%	100.0	0%	102.5%
Remarks :								
	de contrata de se	a colore also have desired a		1		4 DDD C:	10N 4-0-	,
	lts contained in this report relat for Compliance with ISO/		estea/samplea			APPROVED S	IGNATOR	T

WORLD HECOGRISED ACCREDITATION

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



Joshua Andres - Signatory

Occument Number: RF1 Date: 16/08/2024



Client :	Shadforths			F	Report Num	iber :	SR/PTP/14114 - 76/1			
Client Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD		F	Report Date	:	18/09/2024			
Project Name :	Everleigh - Precinct 8-10				est Reques		,00,202			
Project Number :	PTP/14114			H						
Location :	Greenbank					Pag	ge 1 of 1			
Test Methods :	AS1289.5.4.1, AS1289.5.	8.1, AS1289.2.1.1, AS128	9.5.7.1,							
Sample Number :	S/265652	S/265653	S/265654	S/265	655	S/265656	5	S/265657		
Date Tested :	22/08/2024	22/08/2024	22/08/2024	22/08/	2024	22/08/202	24	22/08/2024		
Material Source :	Onsite	Onsite	Onsite	Onsi	te	Onsite		Onsite		
For use as :	General Fill	General Fill	General Fill	Genera	l Fill	General Fi	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	07:0)5	07:15		07:20		
Lot Number :	-	-	-	-		-	-			
Location 1 :	E 499776	E 499770	E 499776	E 499	779	E 499778	3	E 499785		
Location 2 :	N 6932147	N 6932143	N 6932131	N 6932	2119	N 693210	17	N 6932097		
Location 3 :	0.9m Below Finish	1.2m Below Finish	1.1m Below Finish	0.7m Belo		0.5m Below F	0.5m Below Finish			
Location 4 :	Level -	Level -	Level -	Lev-	el	Level		Level -		
Test Fraction (mm) :	< 19mm	< 19mm	< 19mm	< 37.5	mm	< 37.5mn	n	< 37.5mm		
Oversize Wet :	10%	16%	11%	179		17%		19%		
	10/0	10,0	1170	1,,	•	27,0		1570		
Oversize Density - Dry (t/m³) :	2.33	2.13	2.16	2.3	2	2.50		2.37		
Assigned MDR (Yes/No):	No	No	No	No	,	No		No		
MDR Sample Number :	\$/265652	S/265653	S/265654	S/265	655	S/265656		S/265657		
MDR Test Date :	29/08/2024	29/08/2024	29/08/2024	29/08/	2024	29/08/2024		29/08/2024		
Compaction Type :	Hilf-Std	Hilf-Std	Hilf-Std	Hilf-S		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 (Plasticity, Moi	Brown,	(CL) Sandy CLAY, Low Plasticity, Brown, Moist		(CL) Sandy CLAY, Low Plasticity, Brown, Moist		
MDR Test Results								I		
PCWD (t/m3) :	2.13	2.18	2.12	2.0	7	2.09		2.11		
Moisture Variation :	2.0%	2.0%	2.0%	2.59	%	2.5%		2.0%		
ADJ PCWD (t/m3):	2.15	2.17	2.12	2.1	1	2.15		2.16		
ADJ Moisture Variation :	1.5%	2.0%	1.5%	2.09	%	2.0%		1.5%		
Moisture Test Results :										
Field Moisture Content :	8.5%	6.5%	9.5%	7.59	%	8.0%		9.5%		
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% of OMC	+/-2.0% 0	of OMC	+/-2.0% of C	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		2.0% Dry of (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) :	2.16	2.17	2.14	2.1	2.16			2.15		
Density Specification :	95%	95%	95%		95% 95%			95%		
Wet Density Ratio :	100.5%	100.0%	101.0%	100.0	100.0% 100.5%			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					APPROVED SIGNATORY					

Document Number: RF1

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

Joshua Andres - Signatory

Date: 16/08/2024



Client :	Shadforths			R	eport Number	r:	SR/PTP/14114 - 78/1			
lient Address :	99 Sandalwood Lane, Fo	rest Glen, 4556, QLD		R	eport Date :		18/09/2024			
roject Name :	Everleigh - Precinct 8-10	Phase 2 - LV1		Te	est Request :		-			
roject Number :	PTP/14114					Dog	o 1 of 1			
ocation :	Greenbank					Pag	e 1 of 1			
est Methods :	AS1289.5.4.1, AS1289.5	.8.1, AS1289.2.1.1, AS128	9.5.7.1,							
ample Number :	S/266876	S/266877								
Date Tested :	30/08/2024	30/08/2024								
Material Source :	Onsite	Onsite								
or use as :	General Fill	General Fill								
est / Layer Depths :	175 / 200	175 / 200								
ampling Method :	AS1289.1.2.1 - cl6.4b	AS1289.1.2.1 - cl6.4b								
ime :	07:00	07:05								
ot Number :	-	-								
ocation 1 :	E 499772	E 499779								
ocation 2 :	N 6932201	N 6932083								
ocation 2 : ocation 3 :										
ocation 3 : ocation 4 :	Finish Level	Finish Level								
	-	-								
est Fraction (mm) :	< 19mm	< 19mm								
versize Wet :	0%	7%								
versize Density - Dry (t/m³) :	-	2.38								
ssigned MDR (Yes/No) :	No	No								
ADR Sample Number :	S/266876	S/266877								
MDR Test Date :	16/09/2024	16/09/2024								
ompaction Type :	Hilf-Std	Hilf-Std								
. "	(CI) Sandy CLAY,	(CI) Sandy CLAY,								
oil Description :	Medium Plasticty, Brown, Moist	Medium Plasticty, Brown, Moist								
1DR Test Results										
CWD (t/m3) :	2.08	2.06								
Noisture Variation :	0.0%	0.5%								
	0.070	0.570								
ADJ PCWD (t/m3) :	_	2.08								
DJ Moisture Variation :	_	0.5%								
Noisture Test Results :										
ield Moisture Content :	13.0%	12.0%								
Noisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC								
ariation from OMC :	0.0% Dry of OMC	0.5% Dry of OMC								
Noisture Ratio :	N/A	N/A								
ensity Test Results	IN/A	IV/A								
	2.44	2.40								
ield Wet Density (t/m3) :	2.11	2.10								
Pensity Specification :	95%	95%								
Vet Density Ratio :	101.0%	101.0%								
emarks :			<u>-</u>							
Moto: The	sults contained in this report!-	te only to the item/s that	tected/campled		4.01	PROVED SIGI	NATORY			
	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						NATURY			

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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, 4208, QLD



Joshua Andres - Signatory



Client :	Shadforths			Report Numb	er: SR	/PTP/14114 - 80/1	
	99 Sandalwood Lane, Fo	rest Glen 4556 OLD		Report Numb	23/09/2024		
	Everleigh - Precinct 8-10			Test Request		23/03/2024	
Project Number :	PTP/14114	Filase Z - LVI		rest nequest		<u> </u>	
Location :	Greenbank				Page 1 of	ı	
Test Methods :		8.1, AS1289.2.1.1, AS128	9.5.7.1,				
						T	
Sample Number :	S/266522	S/266523					
Date Tested :	28/08/2024	28/08/2024					
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 :	07:30	07:35					
Lot Number :	-	-					
Location 1:	Retest of S/262162	Retest of S/262163					
Location 2 :	E 499782	E 499794					
Location 3 :	N 6932224	N 6932218					
Location 4 :	0.2m Below Finish Level	0.1m Below Finish Level					
Test Fraction (mm) :	< 19mm	< 19mm					
Oversize Wet :	4%	8%					
Oversize Density - Dry (t/m³) :	2.41	2.38					
Assigned MDR (Yes/No):	No No	No No					
MDR Sample Number :	S/266522	S/266523					
MDR Test Date :	9/09/2024	9/09/2024					
Compaction Type :	Hilf-Std	Hilf-Std					
Soil Description :	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist	(CL) Gravelly Sandy CLAY, Low Plasticity, Brown, Moist					
MDR Test Results							
PCWD (t/m3) :	2.01	1.98					
Moisture Variation :	2.0%	2.0%					
ADJ PCWD (t/m3) :	2.02	2.01					
ADJ Moisture Variation :	2.0%	2.0%					
Moisture Test Results :							
Field Moisture Content :	11.5%	11.0%					
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) :	2.04	2.02					
Density Specification :	95%	95%					
Wet Density Ratio :	101.0%	100.5%					
Remarks :			<u> </u>	<u> </u>			
	I Its contained in this report relate for Compliance with ISO/		sted/sampled	A	PPROVED SIGNATOR	RY	
NATA Protest Engi	ineering (Gold Coast) Accr atory Site Number - 22838	editation Number - 19667	,		5		
	atory Address - 8/36 Blanc		QLD	Jos	shua Andres - Signato	ory	



Client :	Shadforths			Por	aart Numbar	CD/DTD/14114 91/1				
		and Class AFFC OLD			oort Number :	SR/PTP/14114 - 81/1				
Client Address :	99 Sandalwood Lane, Fo				oort Date :	23/09/2024				
Project Name :	Everleigh - Precinct 8-10	Phase 2 - LV1		les	t 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, AS128	39.5.7.1,							
Sample Number :	S/267125	S/267126								
Date Tested :	2/09/2024	2/09/2024								
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 :	07:00	07:05								
Lot Number :	-	-								
Location 1 :	E 499690	E 499730								
Location 2 :	N 6932227	N 6932229								
Location 3 :	Finish Level	Finish Level								
Location 4 :	-	-								
Test Fraction (mm) :	< 19mm	< 19mm								
Oversize Wet :	3%	13%								
Oversize Density - Dry (t/m³) :	2.62	2.64								
Assigned MDR (Yes/No) :	No	No No								
MDR Sample Number :	S/267125	S/267126								
MDR Test Date :	17/09/2024	17/09/2024								
Compaction Type :	Hilf-Std	Hilf-Std								
Soil Description :	(CI) Sandy CLAY with Gravel, Medium Grained, Brown, Moist	(CI) Sandy CLAY with Gravel, Medium Grained, Brown, Moist								
MDR Test Results										
PCWD (t/m3) :	2.12	2.13								
Moisture Variation :	1.5%	1.5%								
Wioistare variation .	1.3%	1.3%								
ADJ PCWD (t/m3) :	2.13	2.18								
ADJ Moisture Variation :	1.5%	1.5%								
Moisture Test Results :				·						
Field Moisture Content :	13.5%	12.0%								
Moisture Specification :	+/-2.0% of OMC	+/-2.0% of OMC								
Variation from OMC :	1.5% Dry of OMC	1.5% Dry of OMC								
Moisture Ratio :	N/A	N/A								
Density Test Results			T							
Field Wet Density (t/m3):	2.10	2.11								
Density Specification :	95%	95%								
Wet Density Ratio :	99.0%	97.0%								
Remarks :										
Note: The res	ults contained in this report rela	te only to the item/s that were	tested/sampled		APPROVE	D SIGNATORY				
	for Compliance with ISO			APPROVED SIGNATORY						
INAIA	gineering (Gold Coast) Acc		7	4						
Base Labor	atory Site Number - 22838	s - Gold Coast			/					
WORLD RECOGNISED Base Labor ACCREDITATION	atory Address - 8/36 Bland	k Street, Ormeau, 4208, 0	QLD		Nick Dobs	son - Signatory				
Document Number : RF1			l l			Date : 16/08/2024				

Document Number: RF1 Date: 16/08/2024



Particle Size Distribution Report

		article Size D				-													
Client :	Shadforths							Report Nu		SR/PTP/14114 - 55/1									
Client Address :	99 Sandalwood Lane, Fo	rest Glen, QLD, 4556						Report Date : 25/07					7/2024	ı					
Project Name :	Everleigh - Precinct 8-10	Phase 2 - LV1						Test Requ	est :		-								
Project Number :	PTP/14114							·											
Location :	Greenbank										Page	1 of 1							
Test Methods :	AS1289.3.6.1, AS1289.2.	1.1, AS1289.1.1																	
Material Description	(SM) Clayey Gravelly SAI	ND, Medium-Grained, Pa	le Brov	vn, Mois	t														
Sample Number :	S/260956							Sampling I	Method :			AS1	289.1	.2.1 - cl	l6.4b				
Date Tested :	17/07/2024							Time :					1	1:05					
Material Source :	Onsite							Location 1	.:				Preci	nct 10.5	10.5				
For Use As :	General Fill							Location 2		E 499766									
Lot Number :	-							Location 3 :			N 6932282								
PSD Specification Number :	N/A							Location 4 :				Тор 600							
AS Sieve Size (mm) :	Percent Passing (%):	Specification Limits :				Р	articl	e Size D	istribu	tion	Grap	οh							
75.0			E	E	E 8								100						
63.0	100		0.075mm 0.15mm 0.425mm		0.6mm 1.18mm	1.18mm	2.36mm 4.75mm 6.7mm			13.2mm 19.0mm 26.5mm 37.5mm 63.0mm			3.0m	90					
53.0	96		0.0	5	-	7	4	,		<i>\tilde{Y}</i>	m Li	10							
37.5	92									80									
26.5	86		1	<u> </u>									_	1					70
19.0	79														(%)				
16															eo guiss				
13.2	77					/								-	50 g				
9.5	73														6 6 9 Percentage Passing (%)				
6.7	71				/										Perc 04				
4.75	68														30				
2.36	65														20				
1.18	60														20				
0.600	53														10				
0.425	47														0				
0.300	39		ши	E	E S	E	E	Eu.	E E	E !	E E	Æ	E E	E					
0.150	25		0.075mm	0.15mm	0.3mm	0.6mm	1.18mm	2.36mm	4.75mm 6.7mm	9.5mm	13.2mm 19.0mm	26.5mm	37.5mm	63.0r					
0.075	21		0	-	c			Sieve Si											
Remarks :	-																		

Accredited for Compliance with ISO/ IEC 17025 - Testing

Protest Engineering (Gold Coast) Accreditation Number - 19667

Base Laboratory Site Number - 22838 - Gold Coast

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

APPROVED SIGNATORY



Joshua Andres - Signatory

Document Number : RF04 Date : 4/07/2024





