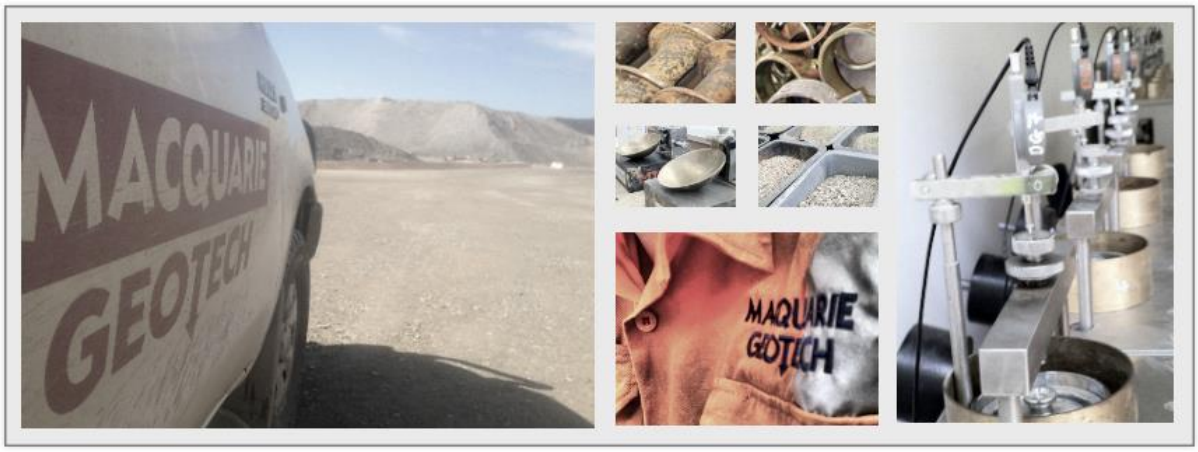
LEVEL 1 INSPECTION & TESTING REPORT

SMITHS LANE STAGE 32

CLYDE NORTH, VICTORIA

Prepared for Winslow Constructions Pty Ltd



PROJECT DETAILS

Project Reference	GSE1396.1			
Project Testing Laboratory	Melbourne East Laboratory			
Project Title	Smiths Lane Stage 32 (Level 1)			
Project Location	Smiths Lane Stage 32 Clyde North, VIC 3978 (City of Casey)			
Period which report covers	*Start Date*	2/8/2025	*End Date*	12/9/2025
Report Number	GSE1336.1 Level 1 Report		*Rev No.*	00
Date of Issue	11th March			

CLIENT DETAILS

Client Name	Winslow Constructions Pty Ltd
Client Address	Building C,Level 3 – 20 Jura Way Clyde North VIC 3978
Project Principal (if applicable)	
Client Project Number (if applicable)	

This document presents the results of the Level 1 Inspection and Testing performed by Macquarie Geotechnical Pty Ltd for the above mentioned project and client, as the nominated project Geotechnical Inspection & Testing Authority (GITA). This report is detailed for the sole use of the intended recipient(s). Should you have any questions related to this report please do not hesitate to contact the undersigned.

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AS3798 (2007) Guidelines on Earthworks for Residential and Commercial Developments.
AS1289 Methods of Testing Soils for Engineering Purposes.

1. INTRODUCTION

Macquarie Geotechnical Pty Ltd has been engaged by Winslow Constructions Pty Ltd to act as the Geotechnical Inspection and Testing Authority (GITA) on the Proposed Subdivision at Smiths Lane Stage 32, Clyde North

The objectives as the GITA is to undertake Level 1 inspections and testing to confirm that the placement methodology and material suitability are completed in accordance with the site specific plans and specifications and that of the requirements of AS3798 (2007) 'Guidelines on Earthworks for Commercial and Residential Developments' for the placement of the Fill materials within the work area in accordance with the site specifications and Inspection and Test Plans (ITP's).

2. PROJECT OVERVIEW

The project is located at Smiths Lane Stage 32 Clyde North, (City of Casey).

It is understood that the project involves the construction of bulk earth works include removing rocks, levelling the ground, and preparing the site for installation of fill materials. Macquarie Geotech was engaged to provide Level 1 Inspection and Testing services for these components of the project. Authorisation to proceed was provided by Winslow Constructions Pty Ltd (the 'Client').

Level 1 Inspection & Testing, as defined in AS3798 (2007) 'Guidelines on Earthworks for Commercial and Residential Developments' provides for full time inspection of the construction of controlled fill and compaction testing in accordance with AS1289 'Methods of Testing Soils for Engineering Purposes' and AS1726 (1993) 'Geotechnical Site Investigations'.

Macquarie Geotech performed the role of the project Geotechnical Inspection & Testing Authority (GITA) with all Level 1 Inspection and Testing services described in this report undertaken by an experienced GITA site representative.

3. SPECIFICATIONS AND DOCUMENTATION

Macquarie Geotechnical Pty. Ltd. undertook supervision acting as the Geotechnical Inspection and Testing Authority (GITA) in accordance with the following specifications, drawings and ITPs:

3.1. SPECIFICATIONS

- AS3798 "Guidelines on Earthworks for Commercial and Residential Developments" (2017).

3.2. DRAWINGS

- 2001433-06-R&D-REV_D Issued for Tender 06/03/2025
- 2001433-06-R&D-REV_H Issued for Tender 25/092025
-

4. CONFORMANCE CRITERIA

4.1. COMPACTION AND MOISTURE CONTENT

All materials used within the construction were required to be compacted and conditioned to achieve the minimum acceptance limits as defined in AS3798:2007 Table 5.1 as follows:

- Residential Lot Fill – 95% relative to Standard Compaction
- Pavement General Fill – 95% relative to Standard Compaction
- Pavement Subgrade – 98% relative to Standard Compaction

Fill materials to be placed in Maximum 300mm compacted layers unless otherwise specified on the drawings.
Where tests fail to confirm the required relative compaction, the areas are to be reconditioned, recompacted and retested.

4.2. PROOF ROLL INSPECTIONS

Proof roll inspections to be undertaken as directed by the principal as indicated in the drawings, specifications and ITPs by the GITA and Clients representative.

The area(s) to be deemed as acceptable where no visible deflection, heaving or shoving is observed and where inspection has been undertaken and that the areas are free from vegetation such as roots and organic soils, moisture affected and collapsible soils.

4.3. CONSTRUCTION MATERIALS

Materials used in construction must be assessed to identify the following material characteristics:

- Identify fill Material suitability (engineering property) including cohesion.
- Free of building debris and vegetative matter (cleanliness) of the material.
- Free of distinguished oversize rock particles.
- Examining the material moisture reactivity.

4.4. BENCHING AND BATTERING

Throughout the pad construction, fill placed within the earthworks lots is to be keyed into adjacent fill blocks through benching to ensure adequate keying.

In addition material is to be placed and compacted throughout the extent of the pad to allow batters to be shaped within the compacted material zone. Where required material is to be extended past the edges of the pad to allow battering.

5. INSPECTION AND TESTING RESULTS

5.1. SUBGRADE PREPARATION

Macquarie Geotechnical observed subgrade preparation, which involved the removal of all loose surficial fill, topsoil, soft materials, vegetation.

The exposed subgrade surface was trimmed, levelled, and compacted to a condition suitable as support for the placement of the initial layers of engineered fil, by the contractor. The exposed subgrade was visually assessed by the on-site GITA representative throughout the project.

The subgrade was then proof rolled in the presence of the on-site GITA prior to placement of fill. The majority of the areas were generally found to comply with no visual signs of rutting, springing, or deflections. The areas that were observed to be soft were excavated until a suitable subgrade was achieved. The areas that were found to be wet were ripped and allowed to dry prior to placement of subsequent fill layers.

5.2. CONSTRUCTION MATERIALS

The fill material used was nominated by the on-site contractor. With the fill was sourced from cut to fill operations and various stockpiles from previous stages works. The material was observed to comprise silty/CLAY and Gravelly/Silty/CLAY, medium to high plasticity, brown mottled grey/orange, and generally around the inferred OMC. The site won cut to fill materials comprised Silty CLAY, typically brown/white/orange mottled and ranging from dry to wet of the soils inferred OMC.

5.3. INSPECTION OF FILL SOURCE MATERIALS

Macquarie Geotechnical performed visual assessment of the fill source materials to identify the following:

- material suitability
- materials free of building debris and vegetative matter
- oversize rock particles
- fill moisture.

5.4. MATERIAL SUITABILITY

The fill materials were noted to be compliant with AS3798 Section 4.0 for the intent and purpose of general filling. Visual/tactile assessments were conducted to identify the condition of the fill used during the placement.

5.5. BUILDING DEBRIS & VEGETATIVE MATTER

A small area of the site contained remains of a tree and vegetation matter, this was removed from the fill subgrade, stockpiled and taken to a suitable dump point. No building debris or further vegetation matter was observed within the fill sources.

5.6. OVERSIZE PARTICLES

No oversized particles were observed within the fill sources.

5.7. FILL MOISTURE

The fill source was assessed to range from dry to wet with the optimum moisture content, depending on the source of the material. Portions of the fill material that were found to be dry were moisture conditioned using a water cart prior to placement. Fill material observed to be wet of the optimum moisture was allowed to dry out where required.

5.8. CONTAMINATION TESTING

The project contractor undertook contamination testing of the fill materials conform to the relevant EPA guidelines.

5.9. FILL CONSTRUCTION

The contractor had the following plant available on-site during the construction period for use in the fill placement.

- Padfoot Roller
- Compactor
- Dozer
- Grader
- Watercart
- Excavator

5.10. CLIMATE

During fill placement, the weather conditions ranged from cool to sunny. Occasional rainfall events were observed.

5.11. COMPACTION CONTROL & MOISTURE TESTING RESULTS

In general, all areas were found to achieve the minimum target density ratio of 95% Standard Compaction.

The material was moisture conditioned to allow compaction and to reduce over wet materials or dry materials which could become collapsible after placement as per the site requirements.

Throughout the process and/or at the completion if the day's production, compaction control testing was performed to assess the achieved density ratio of each layer. The on-site GITA nominated the locations and performed each test.

Testing comprised a total of 84 density tests using a nuclear moisture-density gauge and 84 laboratory compaction tests (AS1289.5.8.1 and AS1289 5.7.1).

A summary of the field density tests performed for the project is presented in Appendix B, Field density and compaction control testing reports are presented in Appendix C. It should be noted that the tests are a representation of the fill placed and support the visual assessment of the works completed.

5.12. FINAL SURFACE LEVELS

Observations were made by a Macquarie Geotech staff member that filling had been complete up to the nominated finished levels as per confirmation provided from the contractor's site foreman. The observed final levels are the constructed finished surface levels of the controlled fill.

It should be noted that the overall fill depths are estimated using onsite visual tactile methods and may not be a true representation of fill depths given that conditions on site may change over time. True fill depths should be obtained from the contractor's survey data.

Macquarie Geotechnical also recommend that the surface be covered or maintained if left exposed to reduce the risk of cracking or moisture release or inflow.

6. CONCLUSION

Macquarie Geotechnical as the acting Geotechnical Inspection & Testing Authority (GITA) is of the opinion that the works, as far as it's been able to determine comply with the specifications, drawings and site direction in regards to the inspections and the testing completed throughout the above mentioned period of the earthwork's construction program.

Such inspection and testing was undertaken in accordance with AS3798 - Guidelines on Earthworks for Commercial and Residential Developments, for Level 1 testing and apply to the period of which the observations where made and do not include continued maintenance and protection of the works.

We trust the foregoing is sufficient for your present purposes, and if you have any questions, please contact the undersigned.

Prepared By

Mark Longfield
Laboratory Manager

7. UNDERSTANDING level 1 inspection & testing

The purpose of performing Level 1 Inspection and Testing is to ensure compliance of the fill with the specification. The engagement of a Geotechnical Inspection Testing Authority (GITA) allows the contractor to perform their role in the construction of the filling operation while the GITA monitors the quality control process of the fill placement. The visual observations of thorough processes and work practices by the contractor allows the GITA to approve the subsequent placement of fill without having to wait for the completion of testing and the extended time it takes to get a test result back. The GITA will, however, carry out random spot checks of the filling operations throughout the day's production as confirmation that the placement procedures and the fill moisture content is appropriate. At the end of a day's production the GITA will sign off the completed works as satisfactory. Any failed tests will result in that area of operation requiring rectification in the following mornings activities. This may be as simple as extra rolling with compaction plant if moisture conditioning is suitable. Sometimes these areas may be retested if the GITA feels it is necessary.

While AS3798 (2007) is a guideline on the minimum requirements of filling on commercial and residential developments, some projects require a more detailed project specification to deal with site specific issues. While moisture conditioning of fill sources aids in the ease with which compaction is achieved, it is not necessarily a physical characteristic that determines if the placed fill is acceptable. In some situations, the moisture requirement is an extremely important function of the final constructed product. In these situations, a specific project specification should apply to the project as detailed by the designing geotechnical engineer. These are typical of clay liners for wetlands, dams, landfill liners and caps and an array of other engineering situations. Creating a consolidated platform of which is similar to equivalent surrounding natural conditions is the primary aim of level one processes, preventing the occurrence of differential ground movements to footing structures.

Level 1 Inspection & Testing requires full time inspection and testing of the fill placement undertaken on a site. Macquarie Geotech (project GITA) are notified daily (or at the completion of each day's work) by the project foreman where subsequent days of fill placement under Level 1 is to occur. On projects that rely upon the importation of a fill source, there can be delays in the receipt of sufficient materials to warrant fill placement works which may result in periods of time where a GITA representative is not required on site. It is the contractor's responsibility to notify the GITA when works proceed and their attendance on site is required again. A GITA relies upon the integrity of the contractor to advise when site attendance is required and makes all reasonable visual attempts to assess if the works are the same as the previous day's attendance.

LIMITATIONS OF GEOTECHNICAL SITE INVESTIGATION

Scope of Services

This report has been prepared for the Client in accordance with the Services Engagement Form (SEF), between the Client and Macquarie Geotechnical.

Reliance on Data

Macquarie Geotechnical has relied upon data and other information provided by the Client and other individuals. Macquarie Geotechnical has not verified the accuracy or completeness of the data, except as otherwise stated in the report. Recommendations in the report are based on the data.

Macquarie Geotechnical will not be liable in relation to incorrect recommendations should any data, information or condition be incorrect or have been concealed, withheld, misrepresented or otherwise not fully disclosed.

Geotechnical Investigation

Findings of Geotechnical Investigations are based extensively on judgment and experience. Geotechnical reports are prepared to meet the specific needs of individual clients. This report was prepared expressly for the Client and expressly for the Clients purposes.

This report is based on a subsurface investigation, which was designed for project-specific factors. Unless further geotechnical advice is obtained this report cannot be applied to an adjacent site nor can it be used when the nature of any proposed development is changed.

Limitations of Site investigation

As a result of the limited number of sub-surface excavations or boreholes there is the possibility that variations may occur between test locations. The investigation undertaken is an estimate of the general profile of the subsurface conditions. The data derived from the investigation and laboratory testing are extrapolated across the site to form a geological model. This geological model infers the subsurface conditions and their likely behavior with regard to the proposed development.

The actual conditions at the site might differ from those inferred to exist.

No subsurface exploration program, no matter how comprehensive, can reveal all subsurface details and anomalies.

Time Dependence

This report is based on conditions, which existed at the time of subsurface exploration. Construction operations at or adjacent to the site, and natural events such as floods, or groundwater fluctuations, may also affect subsurface conditions, and thus the continuing adequacy of a geotechnical report.

Macquarie Geotechnical should be kept appraised of any such events, and should be consulted for further geotechnical advice if any changes are noted.

Avoid Misinterpretation

A geotechnical engineer or engineering geologist should be retained to work with other design professionals explaining relevant geotechnical findings and in reviewing the adequacy of their plans and specifications relative to geotechnical issues.

No part of this report should be separated from the Final Report.

Sub-surface Logs

Sub-surface logs are developed by geoscientific professionals based upon their interpretation of field logs and laboratory evaluation of field samples. These logs should not under any circumstances be redrawn for inclusion in any drawings.

Geotechnical Involvement During Construction

During construction, excavation frequently exposes subsurface conditions. Geotechnical consultants should be retained through the construction stage, to identify variations if they are exposed.

Report for Benefit of Client

The report has been prepared for the benefit of the Client and no other party. Other parties should not rely upon the report or the accuracy or completeness of any recommendations and should make their own enquiries and obtain independent advice in relation to such matters

Macquarie Geotechnical assumes no responsibility and will not be liable to any other person or organisations for or in relation to any matter dealt with or conclusions expressed in the report, or for any loss or damage suffered by any other person or organisations arising from matters dealt with or conclusions expressed in the report.

Other limitations

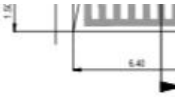
Macquarie Geotechnical will not be liable to update or revise the report to take into account any events or emergent circumstances or facts occurring or becoming apparent after the date of the report.

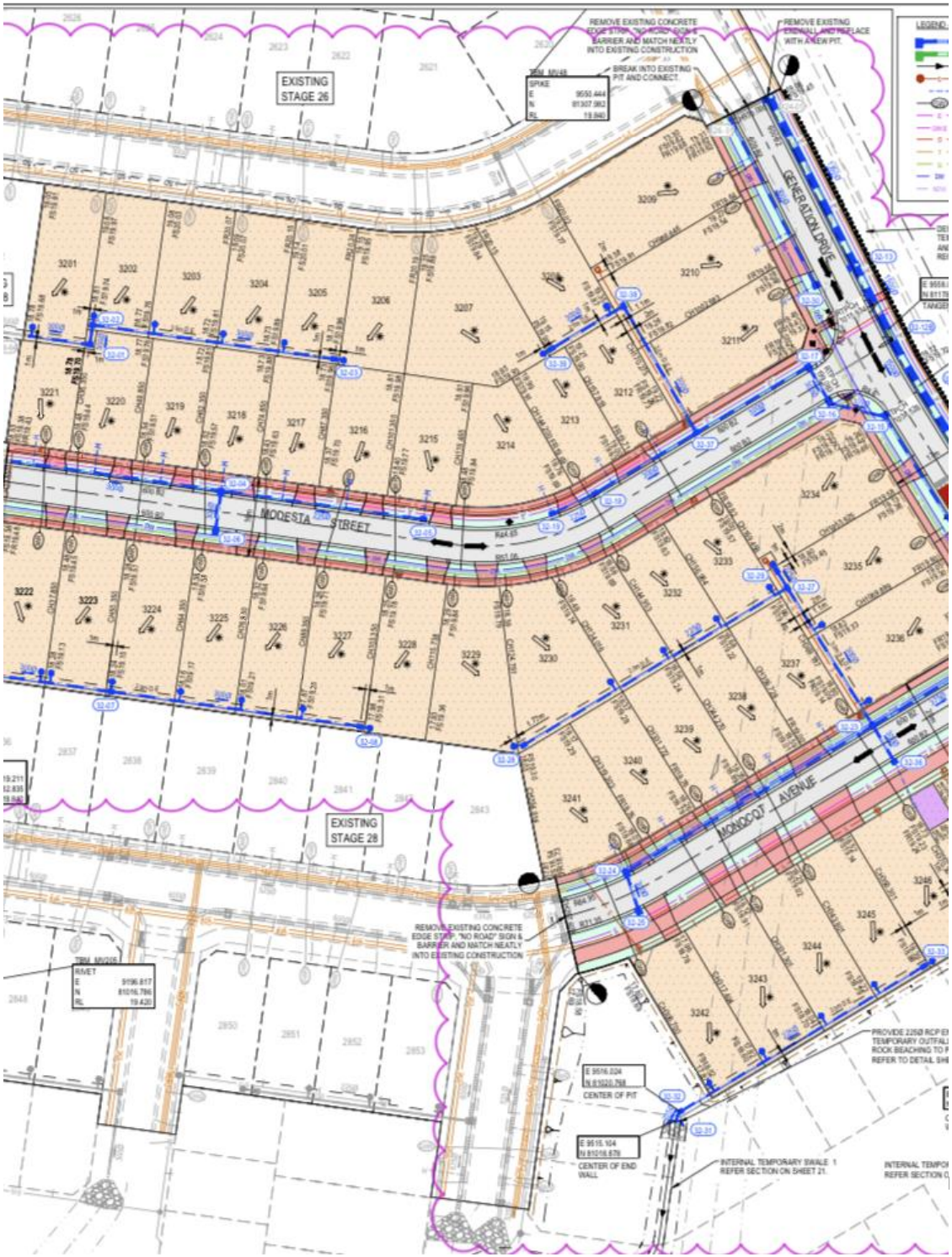
Other Information

For further information reference should be made to "Guidelines for the Provision of Geotechnical Information in Construction Contracts" published by the Institution of Engineers Australia, 1987.

Appendix A

MACQUARIE GEOTECH





Project Summary Report

Report Date: 08/04/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Specification: 95% Std
Test Methods: AS 1289 5.7.1 STD & 5.8.1 & 2.1.1

Macquarie Geotechnical Pty Ltd
Melbourne East Laboratory
113 Wedgewood Road Hallam Victoria 3803
Phone: 0450 925 137
Email: troy@groundscience.com.au

Lot #	Sample #	Date Sampled	Location	Location		Elevation (m)	Layer	Relative Compaction (%)	Moisture Variation (%)	Moisture Content (%)	Field Wet Density (t/m3)
**	1396.1-S1	02/08/2025	LOT 3201	**	**	**	1ST LIFT	95.5	-0.5	16.2	2.00
**	1396.1-S2	02/08/2025	LOT 3203	**	**	**	1ST LIFT	96.0	0.0	16.4	2.00
**	1396.1-S3	02/08/2025	LOT 3205	**	**	**	1ST LIFT	96.5	-0.5	15.3	2.00
**	1396.1-S4	02/08/2025	LOT 3219	**	**	**	1ST LIFT	96.0	-0.5	16.3	2.01
**	1396.1-S5	02/08/2025	LOT 3217/3216	**	**	**	1ST LIFT	96.0	-1.0	16.2	1.98
**	1396.1-S6	02/08/2025	LOT 3215/3214	**	**	**	1ST LIFT	98.5	1.5	15.3	1.98
**	1396.1-S7	04/08/2025	LOT 3207	**	**	**	1ST LIFT	102.5	3.0	12.4	2.04
**	1396.1-S8	04/08/2025	LOT 3209	**	**	**	1ST LIFT	103.0	3.0	14.2	2.05
**	1396.1-S9	04/08/2025	LOT 3211/3212	**	**	**	1ST LIFT	105.5	1.5	16.3	2.13
**	1396.1-S10	04/08/2025	LOT 3220/3221	**	**	**	1ST LIFT	98.0	-2.0	18.4	2.03
**	1396.1-S11	06/08/2025	LOT 3208	**	REFER TO SITE PLAN	**	2	98.0	0.0	17.1	2.03
**	1396.1-S12	06/08/2025	LOT 3210	**	REFER TO SITE PLAN	**	2	102.0	0.5	18.4	2.04
**	1396.1-S13	06/08/2025	LOT 3233	**	REFER TO SITE PLAN	**	2	100.0	0.0	18.8	2.06
**	1396.1-S14	06/08/2025	WHITESTRAND ROAD	26.0	2.5 from LEL	**	FSL	99.0	1.0	5.6	2.38
**	1396.1-S15	06/08/2025	WHITESTRAND ROAD	75.0	3.0 from LEL	**	FSL	99.5	1.5	5.9	2.38
**	1396.1-S16	06/08/2025	WHITESTRAND ROAD	130.0	2.5 from LEL	**	FSL	101.0	1.5	5.7	2.40
**	1396.1-S17	06/08/2025	ROCKFIELD CIRCUIT	169.0	3.0 from LEL	**	FSL	102.0	1.5	5.8	2.43
**	1396.1-S18	06/08/2025	ROCKFIELD CIRCUIT	42.0	3.0 from LEL	**	FSL	100.5	1.0	6.0	2.39
**	1396.1-S28	07/08/2025	LOT 3202	**	Refer to site plan from LEL	**	2	99.5	0.0	16.1	2.05
**	1396.1-S29	07/08/2025	LOT 3206	**	Refer to site plan from LEL	**	2	99.0	0.0	12.2	2.04
**	1396.1-S30	07/08/2025	LOT 3208	**	Refer to site plan from LEL	**	2	99.0	0.0	12.1	2.04
**	1396.1-S31	08/08/2025	LOT 3229	**	REFER TO SITE PLAN from LEL	**	2	101.5	-0.5	17.4	2.15
**	1396.1-S32	08/08/2025	LOT 3219	**	REFER TO SITE PLAN	**	FSL	101.5	0.0	17.7	2.14
**	1396.1-S33	08/08/2025	LOT 3201	**	REFER TO SITE PLAN	**	FSL	101.5	-1.0	16.1	2.12
**	1396.1-S34	11/08/2025	LOT 3218	**	AS PER SITE PLAN from LEL	**	FSL	99.0	2.5	14.6	2.00
**	1396.1-S35	11/08/2025	LOT 3213	**	AS PER SITE PLAN from LEL	**	FSL	99.0	2.5	14.5	2.00
**	1396.1-S36	12/08/2025	LOT 3231	**	AS PER SITE PLAN from LEL	**	FSL	102.5	2.0	16.9	2.06
**	1396.1-S37	12/08/2025	LOT 3245	**	AS PER SITE PLAN from LEL	**	1	98.5	-0.5	17.2	2.05
**	1396.1-S38	12/08/2025	LOT 3242	**	AS PER SITE PLAN from LEL	**	1	95.5	-0.5	9.7	2.04
**	1396.1-S39	15/08/2025	TRENCH NORTH SIDE	10.0	1.8 from LEL	-2.2	1	105.0	0.5	15.1	2.17
**	1396.1-S40	15/08/2025	TRENCH NORTH SIDE	25.0	2.5 from LEL	-1.9	2	106.5	0.5	15.0	2.16
**	1396.1-S41	15/08/2025	TRENCH NORTH SIDE	15.5	2.2 from LEL	-1.6	3	104.5	2.0	14.4	2.14
**	1396.1-S42	19/08/2025	TRENCH NORTH SIDE	12.5	2.0 from LEL	-1.3	4	96.5	0.0	11.1	2.13
**	1396.1-S43	19/08/2025	TRENCH NORTH SIDE	15.9	3.5 from LEL	-1.0	5	96.0	0.5	11.3	2.13
**	1396.1-S44	19/08/2025	TRENCH NORTH SIDE	18.7	4.0 from LEL	-0.7	6	95.5	0.5	11.0	2.13
**	1396.1-S45	25/08/2025	LOT 3222/3223	**	**	**	FSL	99.5	3.0	18.9	2.01
**	1396.1-S46	25/08/2025	LOT 3225/3224	**	**	**	FSL	101.0	3.0	13.2	2.02
**	1396.1-S47	25/08/2025	LOT 3228	**	**	**	FSL	100.5	3.0	18.7	2.02
**	1396.1-S48	25/08/2025	LOT 3219	**	**	**	FSL	102.0	3.0	19.1	2.02
**	1396.1-S49	25/08/2025	LOT 3203	**	**	**	FSL	99.0	3.0	8.4	2.05
**	1396.1-S50	25/08/2025	LOT 3218	**	**	**	FSL	98.0	3.0	29.6	2.02
**	1396.1-S51	25/08/2025	LOT 3205	**	**	**	FSL	97.0	2.5	9.3	2.02
**	1396.1-S57	25/08/2025	LOT 3238	**	**	**	1.8m FSL	98.5	-0.5	12.2	2.00
**	1396.1-S58	25/08/2025	LOT 3243	**	**	**	1.9m FSL	96.5	2.0	13.9	2.01
**	1396.1-S59	25/08/2025	LOT 3234	**	**	**	1.0m FSL	95.5	0.0	14.7	2.01
**	1396.1-S52	25/08/2025	LOT 3230	**	**	**	FSL	100.0	-0.5	15.2	2.06

Lot #	Sample #	Date Sampled	Location	Location		Elevation (m)	Layer	Relative Compaction (%)	Moisture Variation (%)	Moisture Content (%)	Field Wet Density (t/m3)
**	1396.1-S53	25/08/2025	LOT 3227/3226	**	**	**	FSL	101.0	3.5	13.9	2.05
**	1396.1-S54	25/08/2025	LOT 3232	**	**	**	FSL	99.5	0.5	14.3	2.06
**	1396.1-S55	25/08/2025	LOT 3240	**	**	**	FSL	100.5	0.5	14.2	2.05
**	1396.1-S56	25/08/2025	LOT 3237	**	**	**	FSL	99.0	0.0	14.5	2.04
**	1396.1-S60	26/08/2025	LOT 3238	**	**	**	-1.6m FSL	99.0	0.0	26.0	2.04
**	1396.1-S61	26/08/2025	LOT 3243	**	**	**	-1.8m FSL	99.5	0.0	16.8	2.05
**	1396.1-S62	26/08/2025	LOT 3239	**	**	**	-1.6m FSL	99.5	0.0	16.9	2.04
**	1396.1-S63	28/08/2025	LOT 3238	**	**	**	1.2m FSL	99.0	-3.0	20.0	2.02
**	1396.1-S64	28/08/2025	LOT 3243	**	**	**	1.4m FSL	98.5	-2.0	18.4	2.03
**	1396.1-S65	28/08/2025	LOT 3242	**	**	**	1.6m FSL	98.5	-2.5	19.5	2.03
**	1396.1-S66	29/08/2025	LOT 3211	**	**	**	FSL	97.5	-2.0	17.1	2.03
**	1396.1-S67	29/08/2025	LOT 3234	**	**	**	-0.5m FSL	97.0	0.0	17.3	2.03
**	1396.1-S68	29/08/2025	LOT 3235	**	**	**	-0:65m FSL	96.5	0.0	13.6	2.01
**	1396.1-S69	02/09/2025	LOT 3243	**	**	**	-1.1m FSL	100.0	2.0	14.4	2.08
**	1396.1-S70	02/09/2025	LOT 3239	**	**	**	FSL	99.0	-1.0	13.5	2.12
**	1396.1-S71	02/09/2025	LOT 3238	**	**	**	FSL	98.5	-0.5	12.3	2.11
**	1396.1-S72	02/09/2025	LOT 3233	**	**	**	FSL	98.5	0.0	14.4	2.09
**	1396.1-S73	03/09/2025	LOT 3243/3244	**	**	**	-0.8 FSL	101.0	0.5	13.6	2.11
**	1396.1-S74	03/09/2025	LOT 3242/3241	**	**	**	-0.9 FSL	102.5	2.0	12.7	2.10
**	1396.1-S75	03/09/2025	LOT 3245/3246	**	**	**	-0.8 FSL	100.0	0.0	15.2	2.10
**	1396.1-S76	05/09/2025	LOT 3236	**	**	**	-0.35m FSL	98.0	0.0	15.8	2.02
**	1396.1-S77	05/09/2025	LOT 3247	**	**	**	-0.5m FSL	98.0	0.0	15.5	2.04
**	1396.1-S78	05/09/2025	LOT 3243	**	**	**	FSL	98.0	0.0	15.7	2.03
**	1396.1-S79	08/09/2025	LOT 3239	**	**	**	FSL	99.5	-0.5	16.1	2.04
**	1396.1-S80	08/09/2025	LOT 3238	**	**	**	FSL	100.0	-0.5	18.0	2.03
**	1396.1-S81	08/09/2025	LOT 3237	**	**	**	FSL	99.5	-0.5	18.8	2.04
**	1396.1-S82	08/09/2025	LOT 3230	**	**	**	FSL	99.0	-0.5	18.1	2.02
**	1396.1-S83	08/09/2025	LOT 3231	**	**	**	FSL	99.0	0.0	19.1	2.02
**	1396.1-S84	08/09/2025	LOT 3232/3233	**	**	**	FSL	101.5	1.5	17.7	2.02

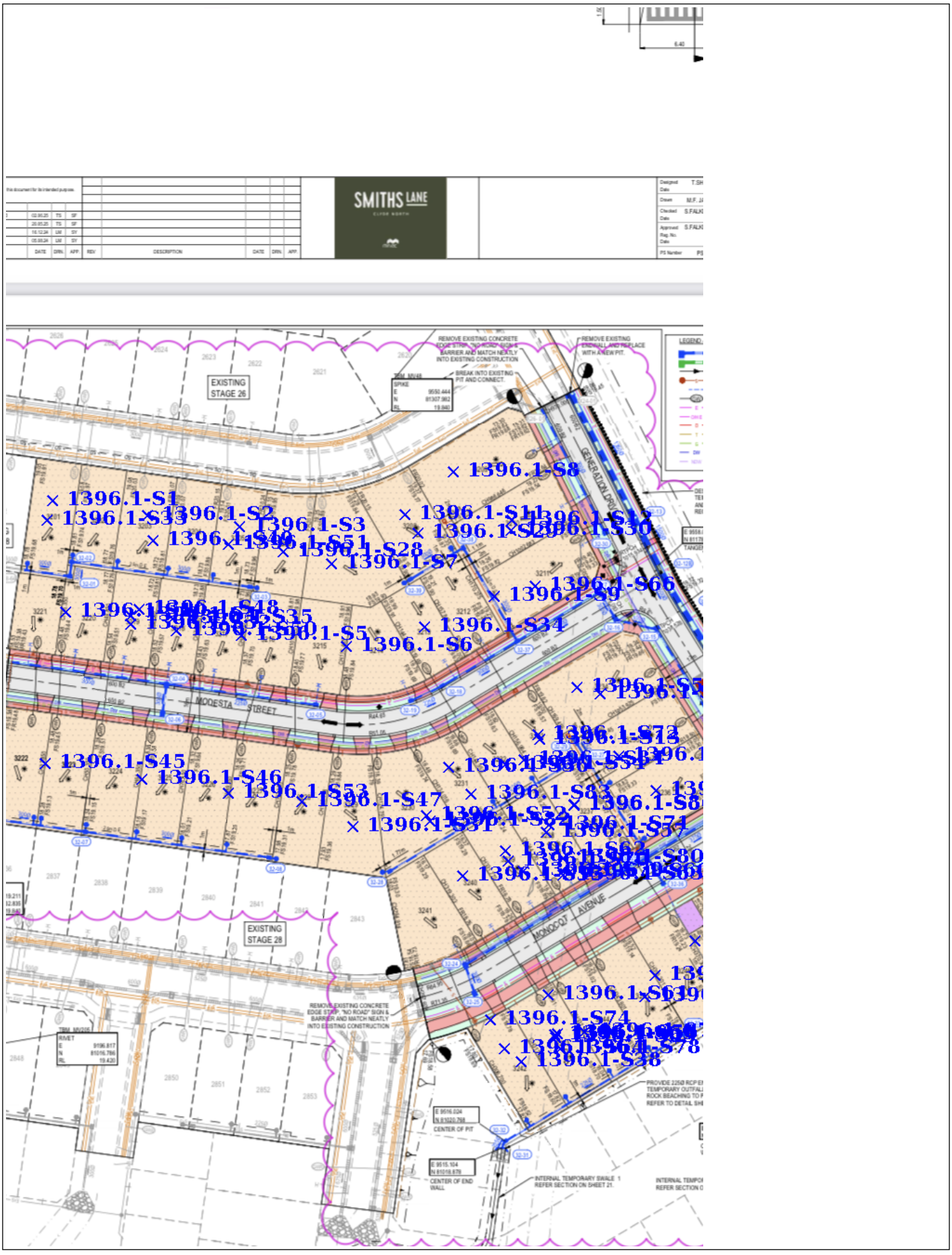
Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **GSE1396.1-6**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: ,
Date Issued: 08/04/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

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Phone: 0450 925 137
Email: mlongfield@macgeo.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mark Longfield
Laboratory Manager
Laboratory Number: 20436

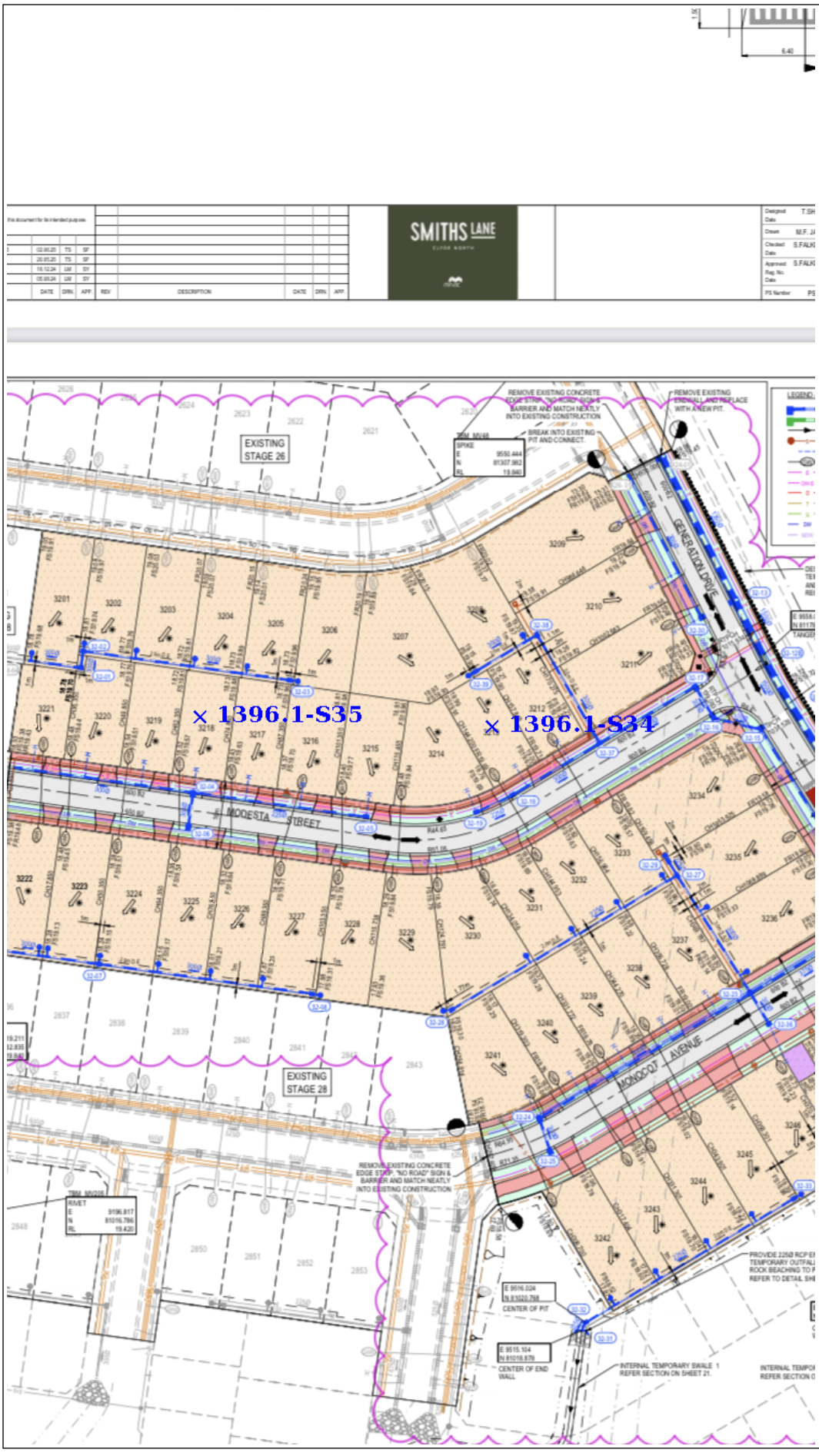
Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12213
Date Sampled: 11/08/2025
Dates Tested: 11/08/2025 - 12/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Std
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S34	1396.1-S35	
Date Tested	11/08/2025	11/08/2025	
Time Tested	08:16	08:27	
Test Request #/Location	LOT 3218	LOT 3213	
Chainage (m)	**	**	
Location Offset (m)	AS PER SITE PLAN from LEL	AS PER SITE PLAN from LEL	
Layer / Reduced Level	FSL	FSL	
Thickness of Layer (mm)	200	200	
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	
Test Depth (mm)	175	175	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	
Field Wet Density (FWD) t/m^3	2.00	2.00	
Field Moisture Content %	14.6	14.5	
Field Dry Density (FDD) t/m^3	1.75	1.74	
Peak Converted Wet Density t/m^3	2.03	2.02	
Adjusted Peak Converted Wet Density t/m^3	**	**	
Moisture Variation (Wv) %	2.5	2.5	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	**99.0**	**99.0**	
Compaction Method	**Standard**	**Standard**	
Remarks	**	**	

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

Sample Locations Plan

x - approximate test location



Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mark Longfield
Laboratory Manager

Laboratory Number: 20436

Report Number: **GSE1396.1-1**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: ,
Date Issued: 08/04/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12177
Date Sampled: 02/08/2025 7:00
Dates Tested: 02/08/2025 - 07/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Std
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	1396.1-S1	1396.1-S2	1396.1-S3	1396.1-S4	1396.1-S5	1396.1-S6
Date Tested	02/08/2025	02/08/2025	02/08/2025	02/08/2025	02/08/2025	02/08/2025
Time Tested	08:00	08:10	08:19	08:31	08:35	08:39
Test Request #/Location	LOT 3201	LOT 3203	LOT 3205	LOT 3219	LOT 3217/3216	LOT 3215/3214
Layer / Reduced Level	1ST LIFT	1ST LIFT	1ST LIFT	1ST LIFT	1ST LIFT	1ST LIFT
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.00	2.00	2.00	2.01	1.98	1.98
Field Moisture Content %	16.2	16.4	15.3	16.3	16.2	15.3
Field Dry Density (FDD) t/m^3	1.72	1.72	1.74	1.73	1.70	1.72
Peak Converted Wet Density t/m^3	2.10	2.09	2.07	2.09	2.06	2.01
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	0.0	-0.5	-0.5	-1.0	1.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**95.5**	**96.0**	**96.5**	**96.0**	**96.0**	**98.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**	**

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

Sample Locations Plan

x - approximate test location

Material Test Report

Report Number: GSE1396.1-2
Issue Number: 1
Date Issued: 08/08/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12196
Date Sampled: 06/08/2025
Dates Tested: 06/08/2025 - 07/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 98% Std
Location: CLYDE NORTH
Material: 20mm CLASS 2 CRUSHED ROCK
Material Source: BORAL LYSTERFIELD

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1					
Sample Number	1396.1-S14	1396.1-S15	1396.1-S16	1396.1-S17	1396.1-S18
Date Tested	06/08/2025	06/08/2025	06/08/2025	06/08/2025	06/08/2025
Time Tested	14:10	14:18	14:23	14:30	14:38
Test Request #/Location	WHITESTRAND ROAD	WHITESTRAND ROAD	WHITESTRAND ROAD	ROCKFIELD CIRCUIT	ROCKFIELD CIRCUIT
Chainage (m)	26.0	75.0	130.0	169.0	42.0
Location Offset (m)	2.5 from LEL	3.0 from LEL	2.5 from LEL	3.0 from LEL	3.0 from LEL
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	130	130	130	130	130
Soil Description	20mm CLASS 2 CRUSHED ROCK	20mm CLASS 2 CRUSHED ROCK	20mm CLASS 2 CRUSHED ROCK	20mm CLASS 2 CRUSHED ROCK	20mm CLASS 2 CRUSHED ROCK
Test Depth (mm)	100	100	100	100	100
Fraction Tested (mm)	19.0	19.0	19.0	19.0	19.0
Oversize (wet basis) %	0	0	0	0	0
Oversize (dry basis) %	0	0	0	0	0
Curing Hours	2	3.3	4.1	3.8	4.6
Method used to Determine Plasticity	**	**	**	**	**
Field Wet Density (FWD) t/m^3	2.38	2.38	2.40	2.43	2.39
Field Moisture Content %	5.6	5.9	5.7	5.8	6.0
Field Dry Density t/m^3	2.25	2.25	2.27	2.29	2.26
Maximum Dry Density t/m^3	2.28	2.26	2.24	2.25	2.25
Adjusted Maximum Dry Density t/m^3	**	**	**	**	**
Optimum Moisture Content (OMC) %	7.0	7.5	7.5	7.5	7.0
Adjusted Optimum Moisture Content (OMC) %	**	**	**	**	**
Moisture Variation %	1.0	1.5	1.5	1.5	1.0
Moisture Ratio %	82.0	81.0	78.0	79.5	84.0
Density Ratio %	**99.0**	**99.5**	**101.0**	**102.0**	**100.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mark Longfield
Laboratory Manager

Laboratory Number: 20436

Report Number: **GSE1396.1-3**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: ,
Date Issued: 08/04/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

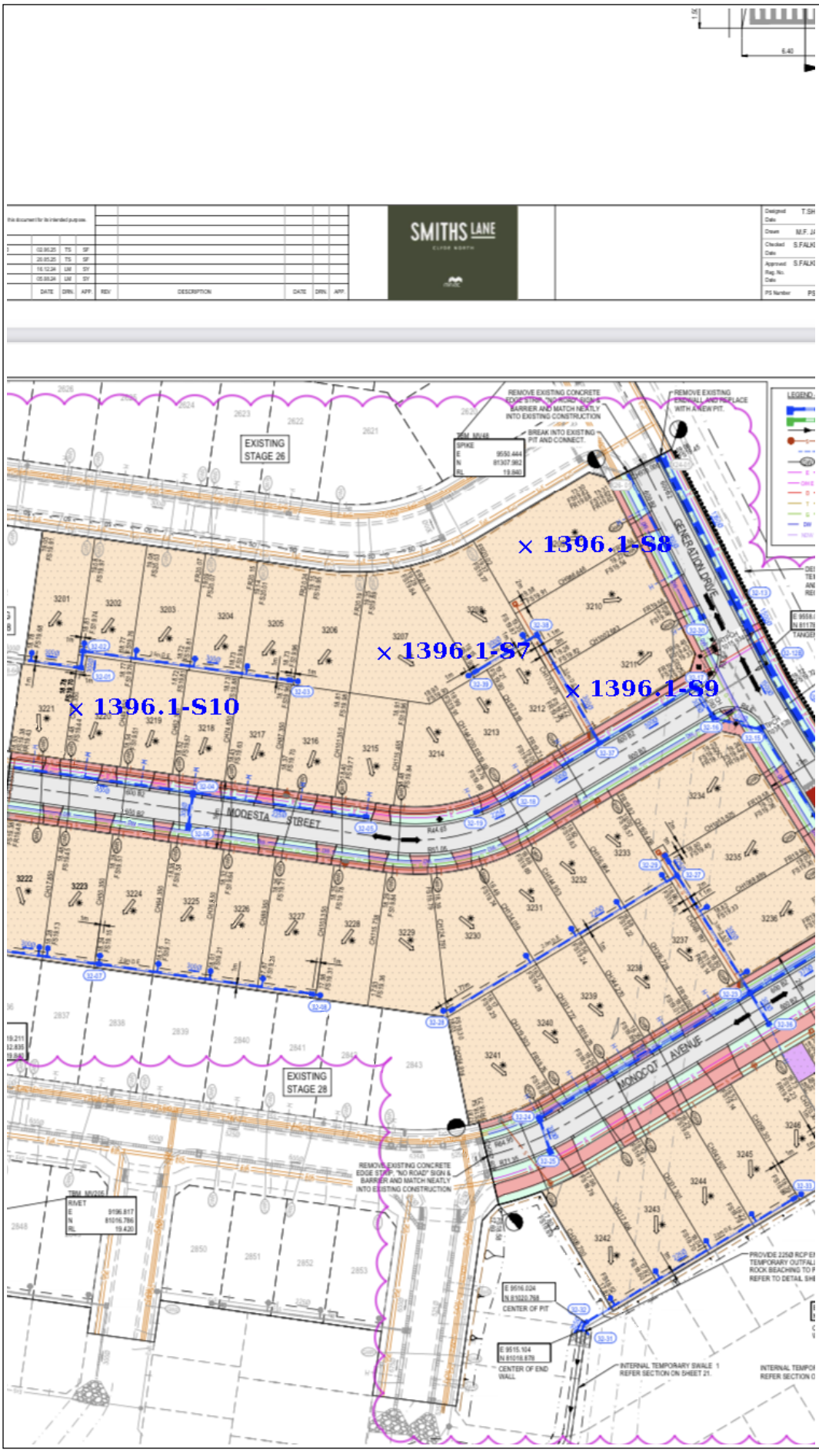
Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12185
Date Sampled: 04/08/2025 13:30
Dates Tested: 04/08/2025 - 08/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Std
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	1396.1-S7	1396.1-S8	1396.1-S9	1396.1-S10
Date Tested	04/08/2025	04/08/2025	04/08/2025	04/08/2025
Time Tested	13:30	13:35	13:50	14:00
Test Request #/Location	LOT 3207	LOT 3209	LOT 3211/3212	LOT 3220/3221
Layer / Reduced Level	1ST LIFT	1ST LIFT	1ST LIFT	1ST LIFT
Thickness of Layer (mm)	300	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.04	2.05	2.13	2.03
Field Moisture Content %	12.4	14.2	16.3	18.4
Field Dry Density (FDD) t/m^3	1.82	1.80	1.83	1.72
Peak Converted Wet Density t/m^3	1.99	1.99	2.01	2.07
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	3.0	3.0	1.5	-2.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**102.5**	**103.0**	**105.5**	**98.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: GSE1396.1-4
Issue Number: 1
Date Issued: 11/08/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12194
Date Sampled: 06/08/2025
Dates Tested: 06/08/2025 - 08/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Std
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Accredited for compliance with ISO/IEC 17025 - Testing

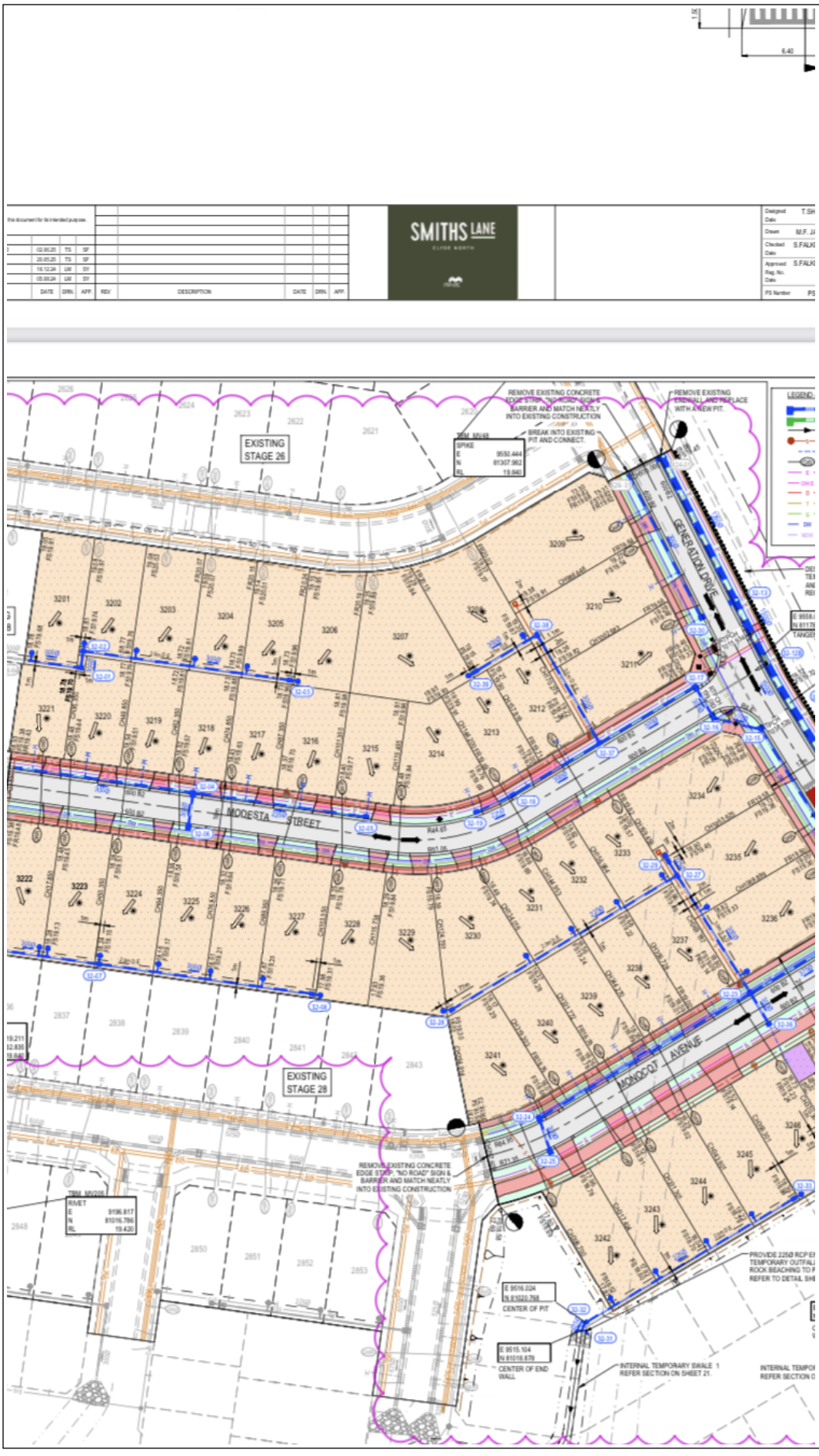
Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S11	1396.1-S12	1396.1-S13
Date Tested	06/08/2025	06/08/2025	06/08/2025
Time Tested	11:36	11:46	11:56
Test Request #/Location	LOT 3208	LOT 3210	LOT 3233
Chainage (m)	**	**	**
Location Offset (m)	REFER TO SITE PLAN	REFER TO SITE PLAN	REFER TO SITE PLAN
Layer / Reduced Level	2	2	2
Thickness of Layer (mm)	400	400	400
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	300	300	300
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.03	2.04	2.06
Field Moisture Content %	17.1	18.4	18.8
Field Dry Density (FDD) t/m^3	1.74	1.72	1.74
Peak Converted Wet Density t/m^3	2.07	2.00	2.06
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.0	0.5	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**98.0**	**102.0**	**100.0**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: GSE1396.1-12
Issue Number: 1
Date Issued: 02/09/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12300
Date Sampled: 28/08/2025 11:45
Dates Tested: 28/08/2025 - 01/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Accredited for compliance with ISO/IEC 17025 - Testing

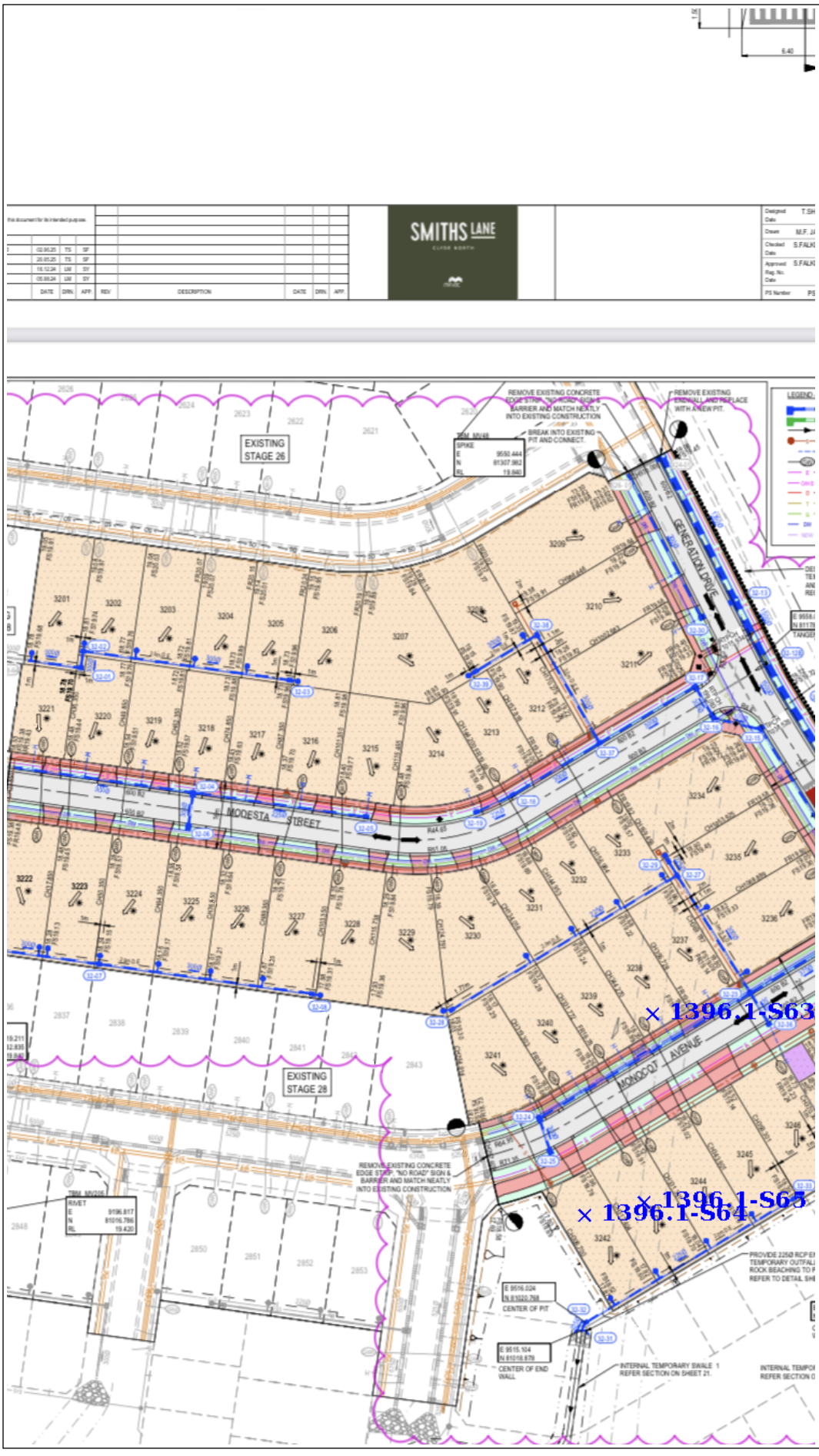
Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S63	1396.1-S64	1396.1-S65
Date Tested	28/08/2025	28/08/2025	28/08/2025
Time Tested	11:50	11:55	12:00
Test Request #/Location	LOT 3238	LOT 3243	LOT 3242
Layer / Reduced Level	1.2m FSL	1.4m FSL	1.6m FSL
Thickness of Layer (mm)	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.02	2.03	2.03
Field Moisture Content %	20.0	18.4	19.5
Field Dry Density (FDD) t/m^3	1.69	1.71	1.70
Peak Converted Wet Density t/m^3	2.04	2.06	2.07
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	-3.0	-2.0	-2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**99.0**	**98.5**	**98.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **GSE1396.1-5**
Issue Number: 1
Date Issued: 12/08/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12210
Date Sampled: 08/08/2025
Dates Tested: 08/08/2025 - 11/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Std
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Phone: 0450 925 137
Email: grant@macgeo.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Grant Sloan
LABORATORY 2IC

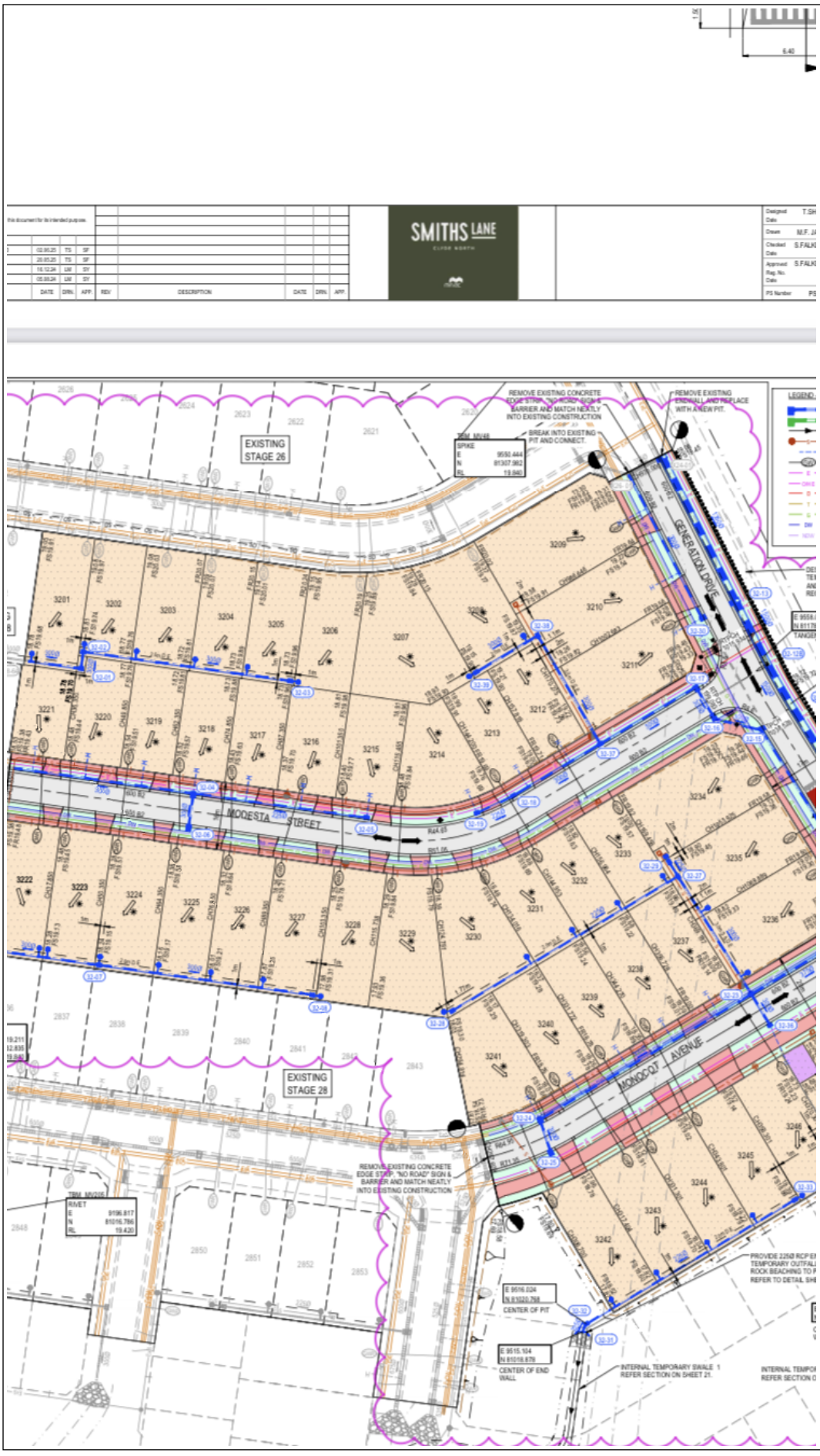
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S31	1396.1-S32	1396.1-S33
Date Tested	08/08/2025	08/08/2025	08/08/2025
Time Tested	10:28	12:00	12:07
Test Request #/Location	LOT 3229	LOT 3219	LOT 3201
Chainage (m)	**	**	**
Location Offset (m)	REFER TO SITE PLAN from LEL	REFER TO SITE PLAN	REFER TO SITE PLAN
Layer / Reduced Level	2	FSL	FSL
Thickness of Layer (mm)	450	200	200
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	300	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.15	2.14	2.12
Field Moisture Content %	17.4	17.7	16.1
Field Dry Density (FDD) t/m^3	1.83	1.82	1.82
Peak Converted Wet Density t/m^3	2.12	2.11	2.08
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	-0.5	0.0	-1.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**101.5**	**101.5**	**101.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: GSE1396.1-7
Issue Number: 1
Date Issued: 18/08/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12221
Date Sampled: 12/08/2025
Dates Tested: 12/08/2025 - 15/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Std
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Macquarie Geotechnical Pty Ltd
Melbourne East Laboratory
113 Wedgewood Road Hallam Victoria 3803
Phone: 0450 925 137
Email: grant@macgeo.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

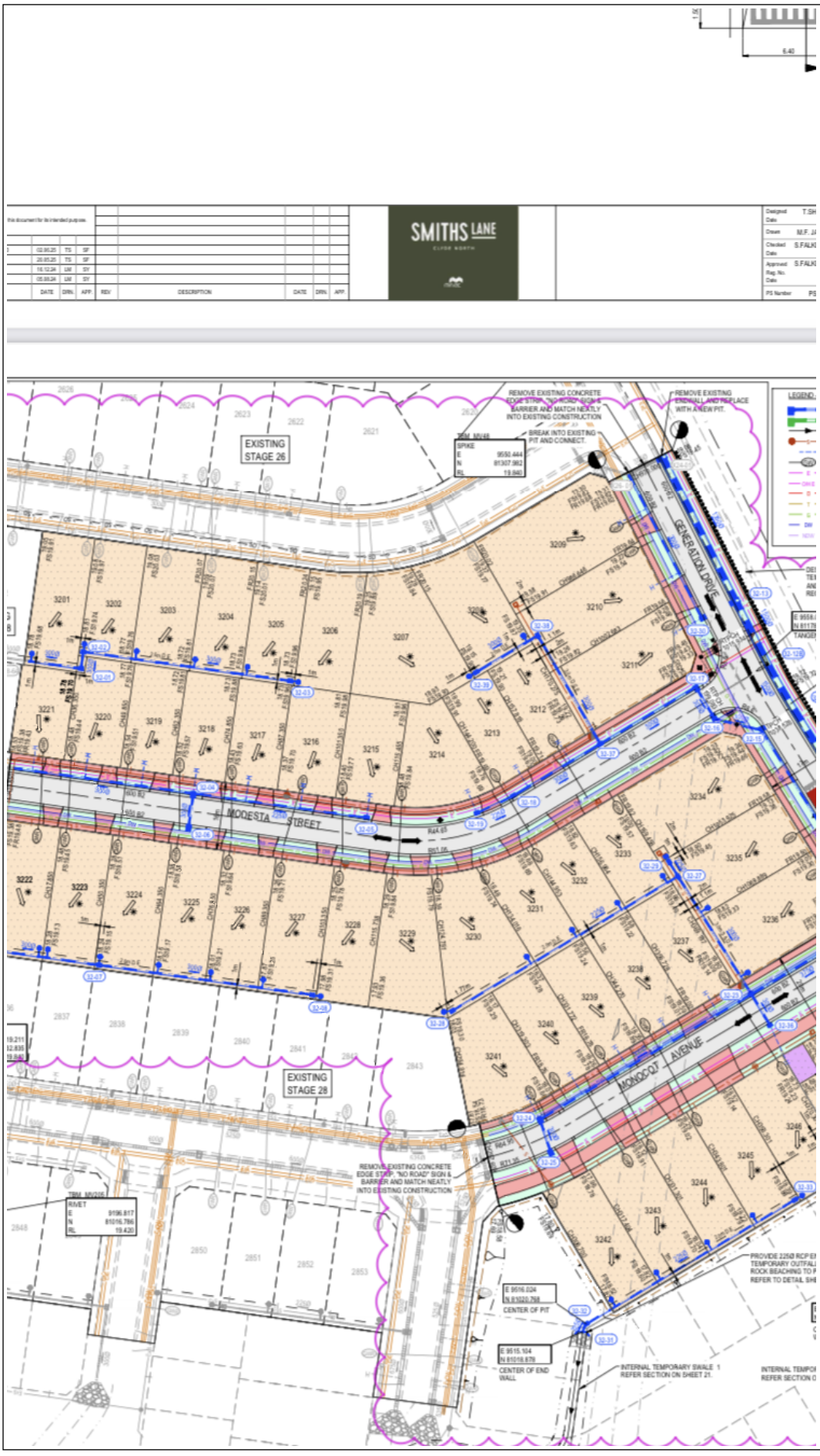
Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S36	1396.1-S37	1396.1-S38
Date Tested	12/08/2025	12/08/2025	12/08/2025
Time Tested	**	**	**
Test Request #/Location	LOT 3231	LOT 3245	LOT 3242
Chainage (m)	**	**	**
Location Offset (m)	AS PER SITE PLAN from LEL	AS PER SITE PLAN from LEL	AS PER SITE PLAN from LEL
Layer / Reduced Level	FSL	1	1
Thickness of Layer (mm)	200	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	175	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.06	2.05	2.04
Field Moisture Content %	16.9	17.2	9.7
Field Dry Density (FDD) t/m^3	1.77	1.75	1.86
Peak Converted Wet Density t/m^3	2.01	2.08	2.14
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	2.0	-0.5	-0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**102.5**	**98.5**	**95.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **GSE1396.1-8**
Issue Number: 1
Date Issued: 28/08/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12241
Date Sampled: 22/08/2025
Dates Tested: 22/08/2025 - 27/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Grant Sloan
LABORATORY 2IC

NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S39	1396.1-S40	1396.1-S41
Date Tested	15/08/2025	15/08/2025	15/08/2025
Time Tested	**	**	**
Test Request #/Location	TRENCH NORTH SIDE	TRENCH NORTH SIDE	TRENCH NORTH SIDE
Chainage (m)	10.0	25.0	15.5
Location Offset (m)	1.8 from LEL	2.5 from LEL	2.2 from LEL
Elevation (m)	-2.2	-1.9	-1.6
Layer / Reduced Level	1	2	3
Thickness of Layer (mm)	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.17	2.16	2.14
Field Moisture Content %	15.1	15.0	14.4
Field Dry Density (FDD) t/m^3	1.88	1.88	1.87
Peak Converted Wet Density t/m^3	2.06	2.03	2.05
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.5	0.5	2.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**105.0**	**106.5**	**104.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Material Test Report

Report Number: **GSE1396.1-9**
Issue Number: 1
Date Issued: 28/08/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12252
Date Sampled: 19/08/2025
Dates Tested: 19/08/2025 - 27/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S42	1396.1-S43	1396.1-S44
Date Tested	19/08/2025	19/08/2025	19/08/2025
Time Tested	**	**	**
Test Request #/Location	TRENCH NORTH SIDE	TRENCH NORTH SIDE	TRENCH NORTH SIDE
Chainage (m)	12.5	15.9	18.7
Location Offset (m)	2.0 from LEL	3.5 from LEL	4.0 from LEL
Elevation (m)	-1.3	-1.0	-0.7
Layer / Reduced Level	4	5	6
Thickness of Layer (mm)	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.13	2.13	2.13
Field Moisture Content %	11.1	11.3	11.0
Field Dry Density (FDD) t/m^3	1.92	1.91	1.92
Peak Converted Wet Density t/m^3	2.21	2.22	2.23
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.0	0.5	0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**96.5**	**96.0**	**95.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Material Test Report

Report Number: GSE1396.1-10
Issue Number: 1
Date Issued: 28/08/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12280
Date Sampled: 26/08/2025 11:45
Dates Tested: 26/08/2025 - 27/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Accredited for compliance with ISO/IEC 17025 - Testing

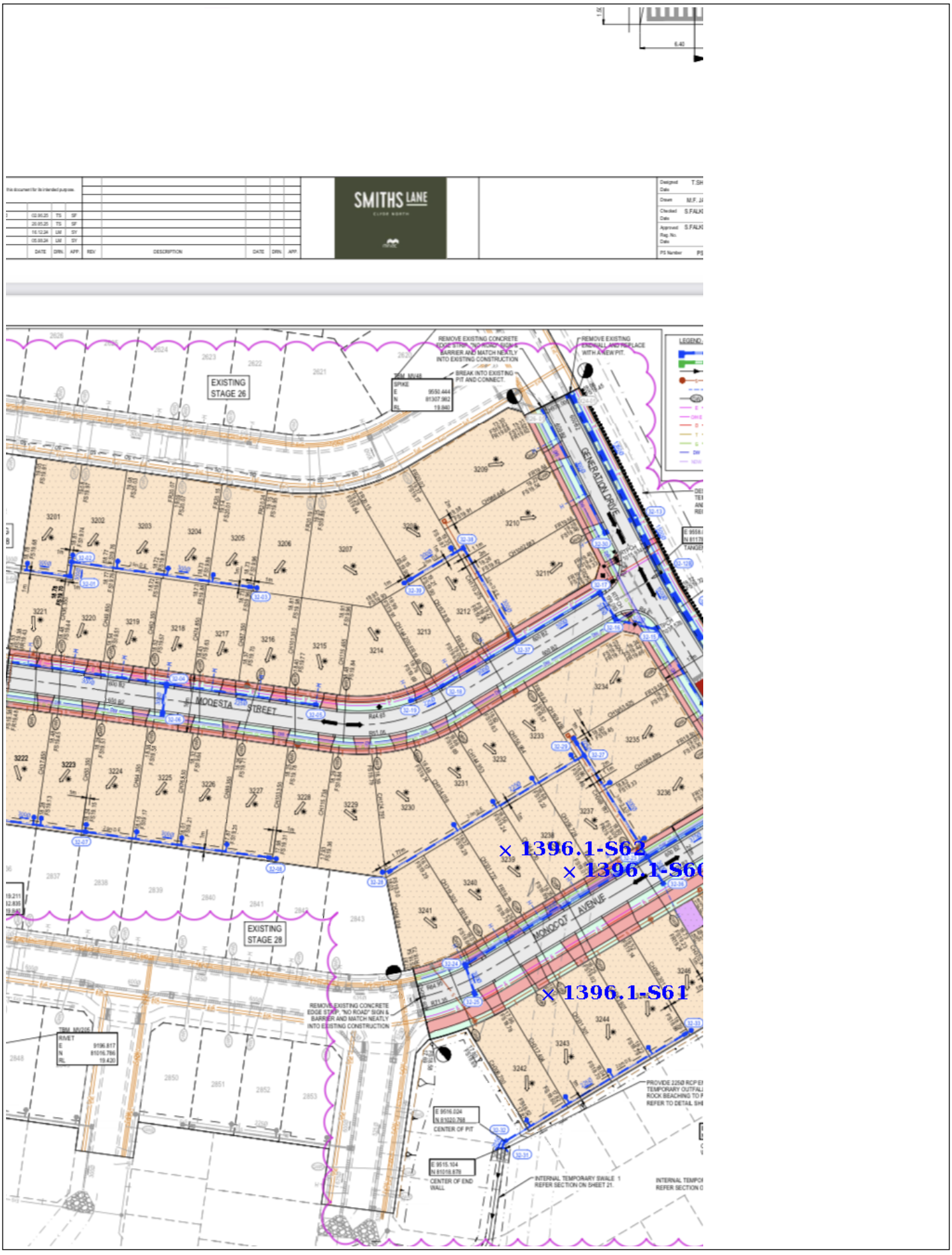
Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S60	1396.1-S61	1396.1-S62
Date Tested	26/08/2025	26/08/2025	26/08/2025
Time Tested	12:15	12:25	12:35
Test Request #/Location	LOT 3238	LOT 3243	LOT 3239
Layer / Reduced Level	-1.6m FSL	-1.8m FSL	-1.6m FSL
Thickness of Layer (mm)	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.04	2.05	2.04
Field Moisture Content %	26.0	16.8	16.9
Field Dry Density (FDD) t/m^3	1.62	1.76	1.74
Peak Converted Wet Density t/m^3	2.06	2.06	2.05
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**99.0**	**99.5**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **GSE1396.1-11**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: ,
Date Issued: 08/04/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

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Email: mlongfield@macgeo.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mark Longfield
Laboratory Manager
Laboratory Number: 20436

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12278
Date Sampled: 25/08/2025 8:30
Dates Tested: 25/08/2025 - 29/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Modified
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	1396.1-S45	1396.1-S46	1396.1-S47	1396.1-S48	1396.1-S49
Date Tested	25/08/2025	25/08/2025	25/08/2025	25/08/2025	25/08/2025
Time Tested	08:45	08:50	08:55	09:00	09:04
Test Request #/Location	LOT 3222/3223	LOT 3225/3224	LOT 3228	LOT 3219	LOT 3203
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.01	2.02	2.02	2.02	2.05
Field Moisture Content %	18.9	13.2	18.7	19.1	8.4
Field Dry Density (FDD) t/m^3	1.69	1.78	1.70	1.70	1.89
Peak Converted Wet Density t/m^3	2.02	2.00	2.01	1.98	2.07
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Variation (Wv) %	3.0	3.0	3.0	3.0	3.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**101.0**	**100.5**	**102.0**	**99.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**

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

Material Test Report

Report Number: **GSE1396.1-11**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: ,
Date Issued: 08/04/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mark Longfield
Laboratory Manager
Laboratory Number: 20436

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12278
Date Sampled: 25/08/2025 8:30
Dates Tested: 25/08/2025 - 29/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Modified
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	1396.1-S50	1396.1-S51	1396.1-S52	1396.1-S53	1396.1-S54
Date Tested	25/08/2025	25/08/2025	25/08/2025	25/08/2025	25/08/2025
Time Tested	09:20	09:31	12:05	12:08	12:15
Test Request #/Location	LOT 3218	LOT 3205	LOT 3230	LOT 3227/3226	LOT 3232
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.02	2.02	2.06	2.05	2.06
Field Moisture Content %	29.6	9.3	15.2	13.9	14.3
Field Dry Density (FDD) t/m^3	1.56	1.85	1.79	1.80	1.80
Peak Converted Wet Density t/m^3	2.06	2.09	2.06	2.03	2.07
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Variation (Wv) %	3.0	2.5	-0.5	3.5	0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**98.0**	**97.0**	**100.0**	**101.0**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**

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

Material Test Report

Report Number: **GSE1396.1-11**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: ,
Date Issued: 08/04/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mark Longfield
Laboratory Manager
Laboratory Number: 20436

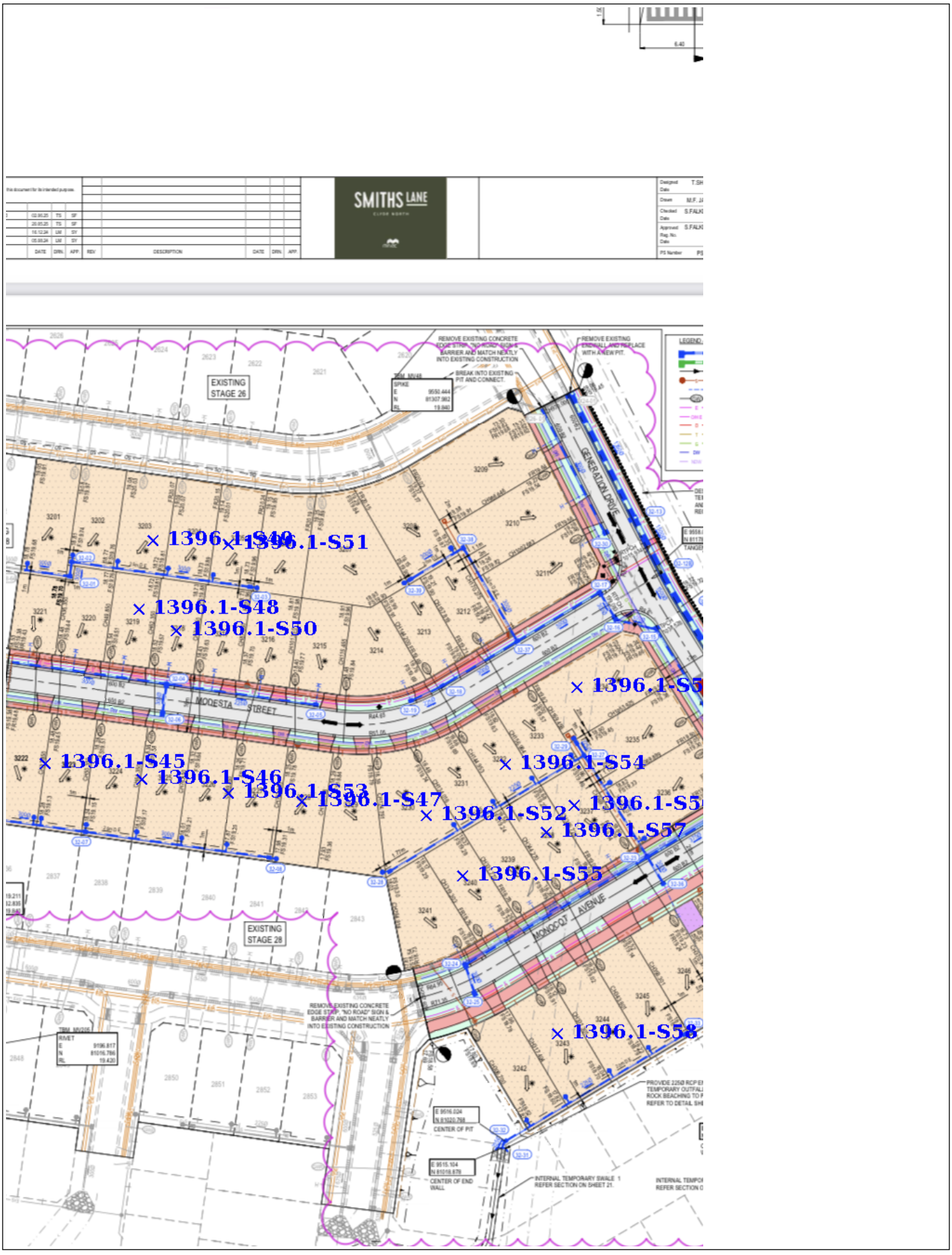
Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12278
Date Sampled: 25/08/2025 8:30
Dates Tested: 25/08/2025 - 29/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Modified
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	1396.1-S55	1396.1-S56	1396.1-S57	1396.1-S58	1396.1-S59
Date Tested	25/08/2025	25/08/2025	25/08/2025	25/08/2025	25/08/2025
Time Tested	12:25	12:40	11:50	11:53	11:55
Test Request #/Location	LOT 3240	LOT 3237	LOT 3238	LOT 3243	LOT 3234
Layer / Reduced Level	FSL	FSL	1.8m FSL	1.9m FSL	1.0m FSL
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.05	2.04	2.00	2.01	2.01
Field Moisture Content %	14.2	14.5	12.2	13.9	14.7
Field Dry Density (FDD) t/m^3	1.79	1.78	1.78	1.76	1.75
Peak Converted Wet Density t/m^3	2.04	2.06	2.03	2.08	2.11
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Variation (Wv) %	0.5	0.0	-0.5	2.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**100.5**	**99.0**	**98.5**	**96.5**	**95.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

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Email: troy@macgeo.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Troy Carnovale
Laboratory Manager
NATA Accredited Laboratory Number: 20436

Report Number: **GSE1396.1-18**
Issue Number: 1
Date Issued: 12/09/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

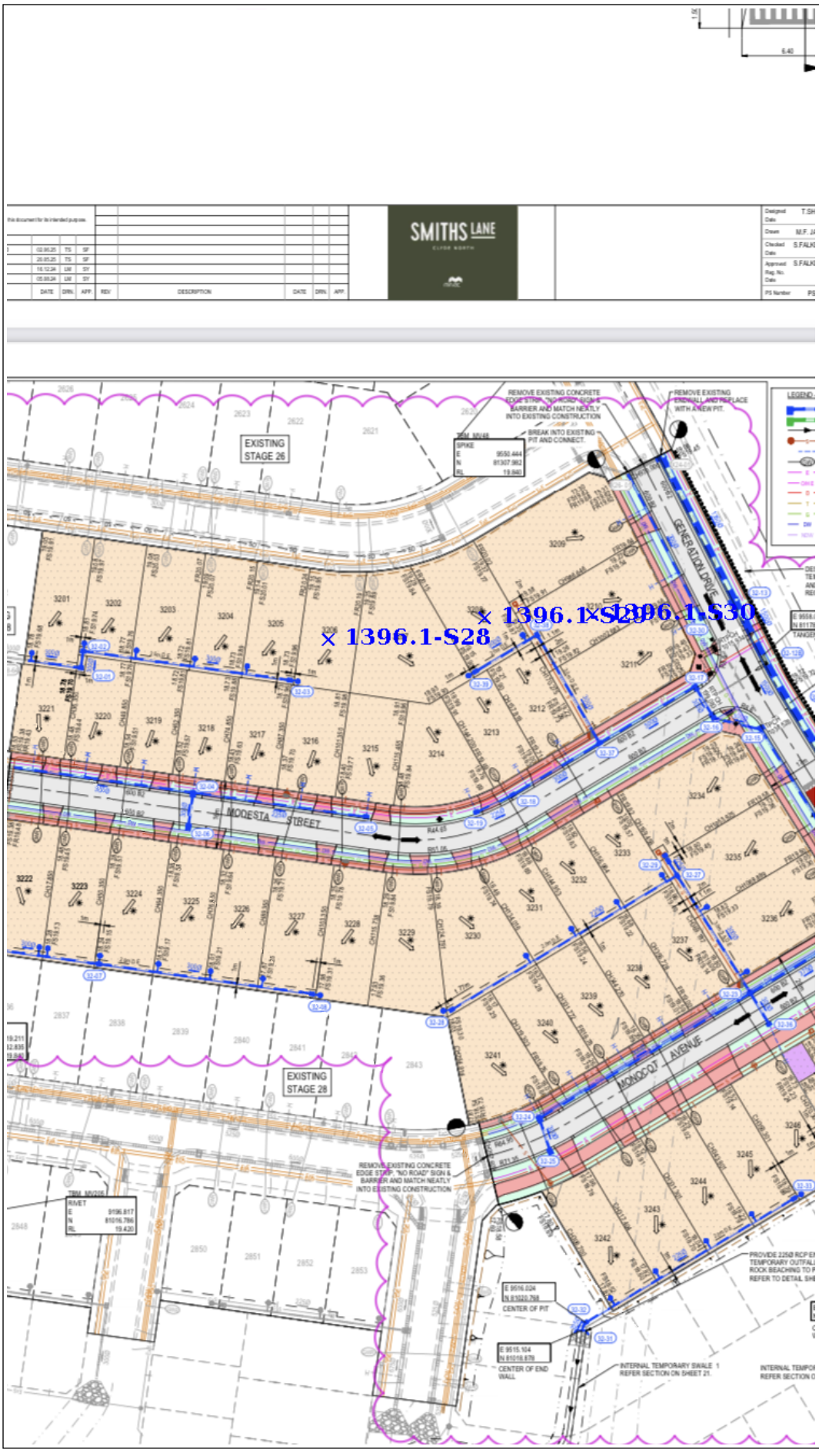
Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12201
Date Sampled: 07/08/2025
Dates Tested: 07/08/2025 - 01/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Std
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S28	1396.1-S29	1396.1-S30
Date Tested	07/08/2025	07/08/2025	07/08/2025
Time Tested	13:16	13:22	13:26
Test Request #/Location	LOT 3202	LOT 3206	LOT 3208
Chainage (m)	**	**	**
Location Offset (m)	Refer to site plan from LEL	Refer to site plan from LEL	Refer to site plan from LEL
Layer / Reduced Level	2	2	2
Thickness of Layer (mm)	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m^3	2.05	2.04	2.04
Field Moisture Content %	16.1	12.2	12.1
Field Dry Density (FDD) t/m^3	1.76	1.82	1.82
Peak Converted Wet Density t/m^3	2.06	2.07	2.07
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**99.5**	**99.0**	**99.0**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: GSE1396.1-13
Issue Number: 1
Date Issued: 02/09/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12303
Date Sampled: 29/09/2025 9:30
Dates Tested: 01/09/2025 - 01/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Accredited for compliance with ISO/IEC 17025 - Testing

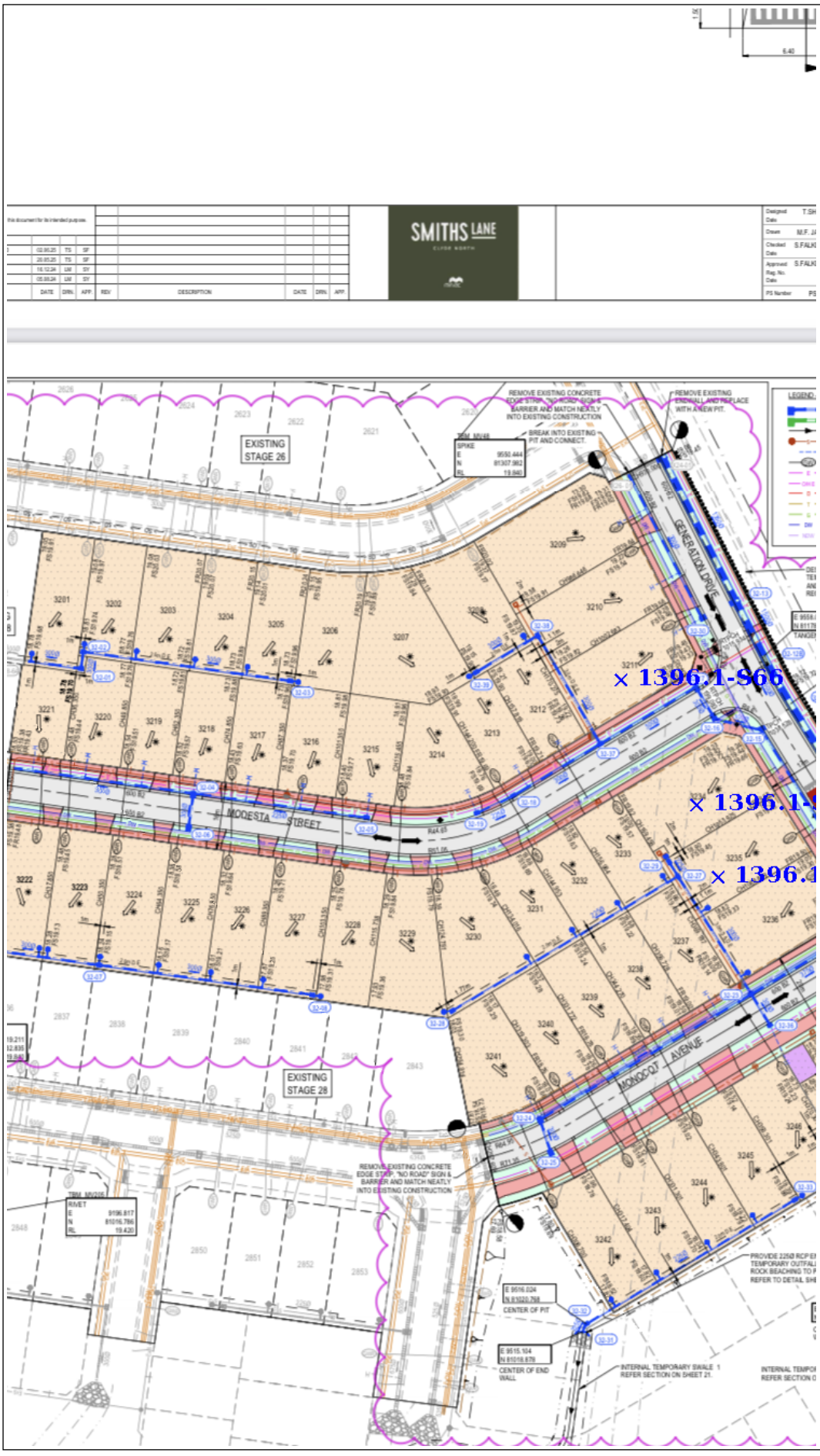
Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S66	1396.1-S67	1396.1-S68
Date Tested	29/08/2025	29/08/2025	29/08/2025
Time Tested	12:30	12:35	12:50
Test Request #/Location	LOT 3211	LOT 3234	LOT 3235
Layer / Reduced Level	FSL	-0.5m FSL	-0:65m FSL
Thickness of Layer (mm)	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.03	2.03	2.01
Field Moisture Content %	17.1	17.3	13.6
Field Dry Density (FDD) t/m^3	1.73	1.73	1.77
Peak Converted Wet Density t/m^3	2.08	2.09	2.08
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	-2.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**97.5**	**97.0**	**96.5**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: GSE1396.1-14
Issue Number: 1
Date Issued: 04/09/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12311
Date Sampled: 02/09/2025 7:45
Dates Tested: 02/09/2025 - 03/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Melbourne East Laboratory
113 Wedgewood Road Hallam Victoria 3803
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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Grant Sloan
LABORATORY 2IC

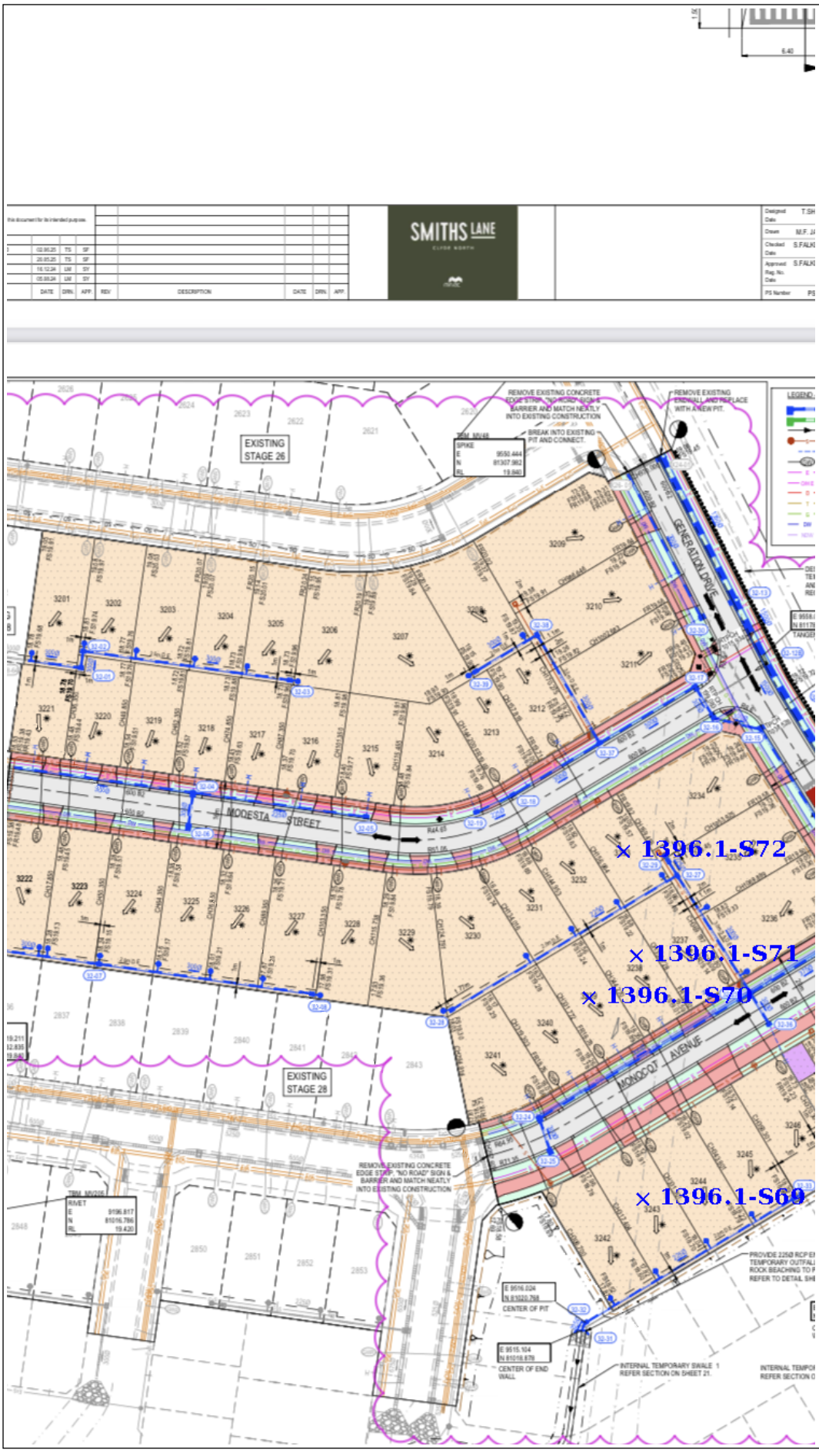
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	1396.1-S69	1396.1-S70	1396.1-S71	1396.1-S72
Date Tested	02/09/2025	02/09/2025	02/09/2025	02/09/2025
Time Tested	08:00	08:11	08:25	08:35
Test Request #/Location	LOT 3243	LOT 3239	LOT 3238	LOT 3233
Layer / Reduced Level	-1.1m FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m^3	2.08	2.12	2.11	2.09
Field Moisture Content %	14.4	13.5	12.3	14.4
Field Dry Density (FDD) t/m^3	1.82	1.86	1.88	1.83
Peak Converted Wet Density t/m^3	2.08	2.14	2.14	2.12
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	2.0	-1.0	-0.5	0.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**100.0**	**99.0**	**98.5**	**98.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **GSE1396.1-15**
Issue Number: 3 - *This version supersedes all previous issues*
Reissue Reason: ,
Date Issued: 08/04/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Mark Longfield
Laboratory Manager
Laboratory Number: 20436

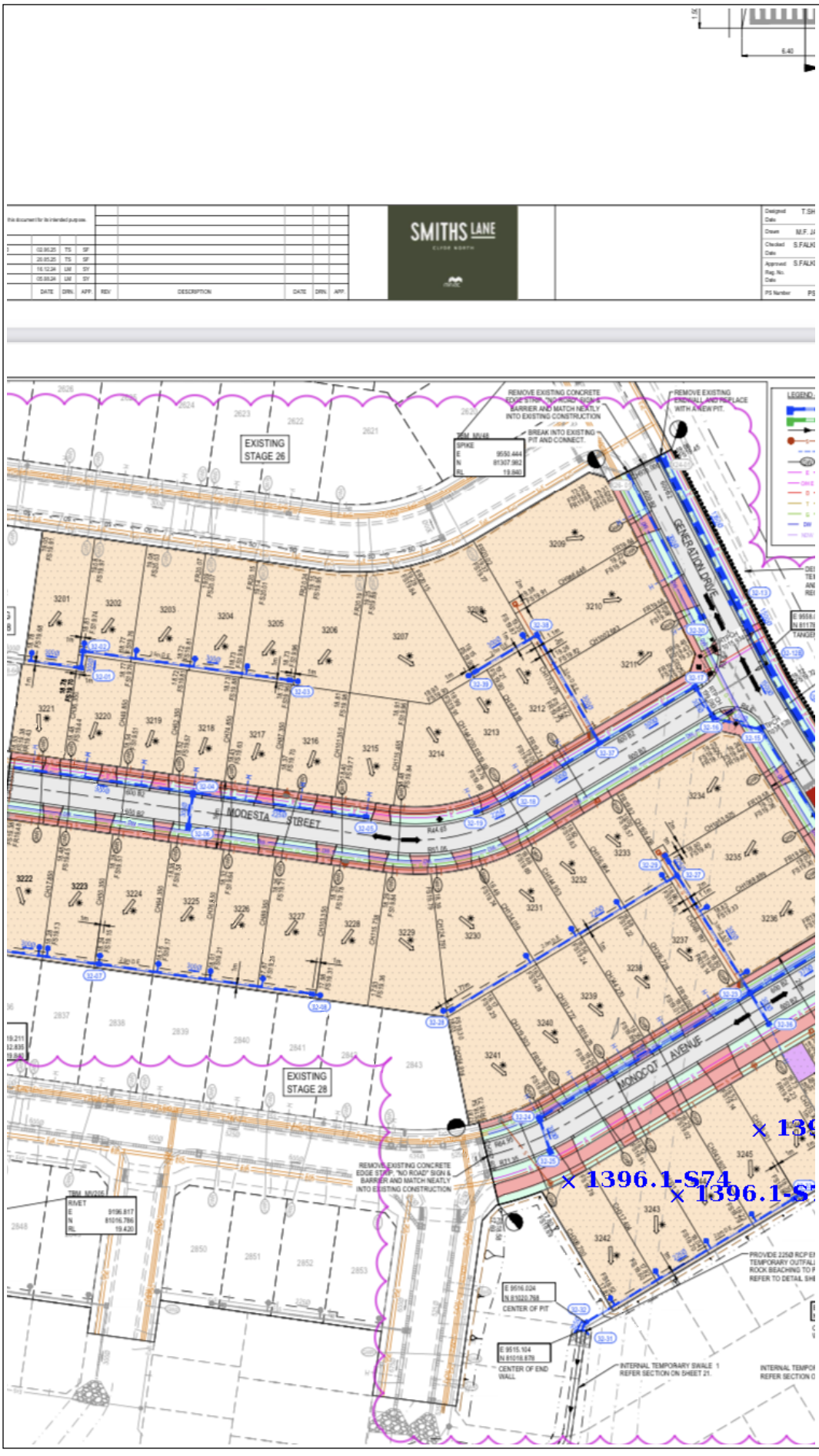
Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12318
Date Sampled: 03/09/2025 8:00
Dates Tested: 03/09/2025 - 04/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S73	1396.1-S74	1396.1-S75
Date Tested	03/09/2025	03/09/2025	03/09/2025
Time Tested	12:10	12:15	12:20
Test Request #/Location	LOT 3243/3244	LOT 3242/3241	LOT 3245/3246
Layer / Reduced Level	-0.8 FSL	-0.9 FSL	-0.8 FSL
Thickness of Layer (mm)	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.11	2.10	2.10
Field Moisture Content %	13.6	12.7	15.2
Field Dry Density (FDD) t/m^3	1.85	1.86	1.82
Peak Converted Wet Density t/m^3	2.09	2.05	2.10
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.5	2.0	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**101.0**	**102.5**	**100.0**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **GSE1396.1-16**
Issue Number: 1
Date Issued: 10/09/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12338
Date Sampled: 05/09/2025
Dates Tested: 05/09/2025 - 09/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Accredited for compliance with ISO/IEC 17025 - Testing

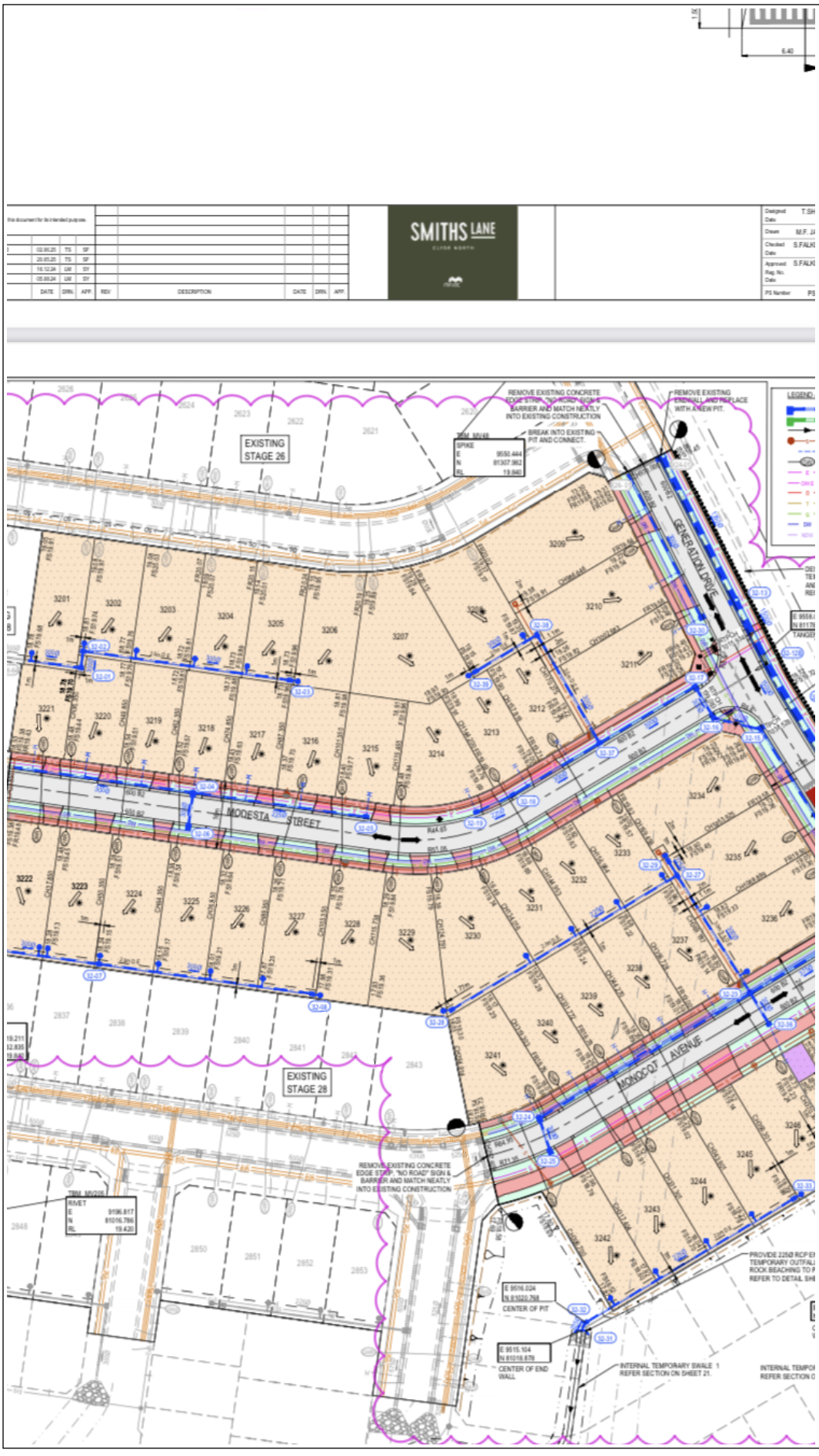
Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	1396.1-S76	1396.1-S77	1396.1-S78
Date Tested	05/09/2025	05/09/2025	05/09/2025
Time Tested	12:20	12:26	12:41
Test Request #/Location	LOT 3236	LOT 3247	LOT 3243
Layer / Reduced Level	-0.35m FSL	-0.5m FSL	FSL
Thickness of Layer (mm)	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.02	2.04	2.03
Field Moisture Content %	15.8	15.5	15.7
Field Dry Density (FDD) t/m^3	1.75	1.76	1.75
Peak Converted Wet Density t/m^3	2.06	2.08	2.07
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**98.0**	**98.0**	**98.0**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: GSE1396.1-17
Issue Number: 1
Date Issued: 10/09/2025
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 12346
Date Sampled: 08/09/2025 8:00
Dates Tested: 08/09/2025 - 09/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction
Site Selection: Selected by Client
Location: CLYDE NORTH
Material: silty CLAY, medium - high plasticity, brown
Material Source: SITE CUT

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Accredited for compliance with ISO/IEC 17025 - Testing

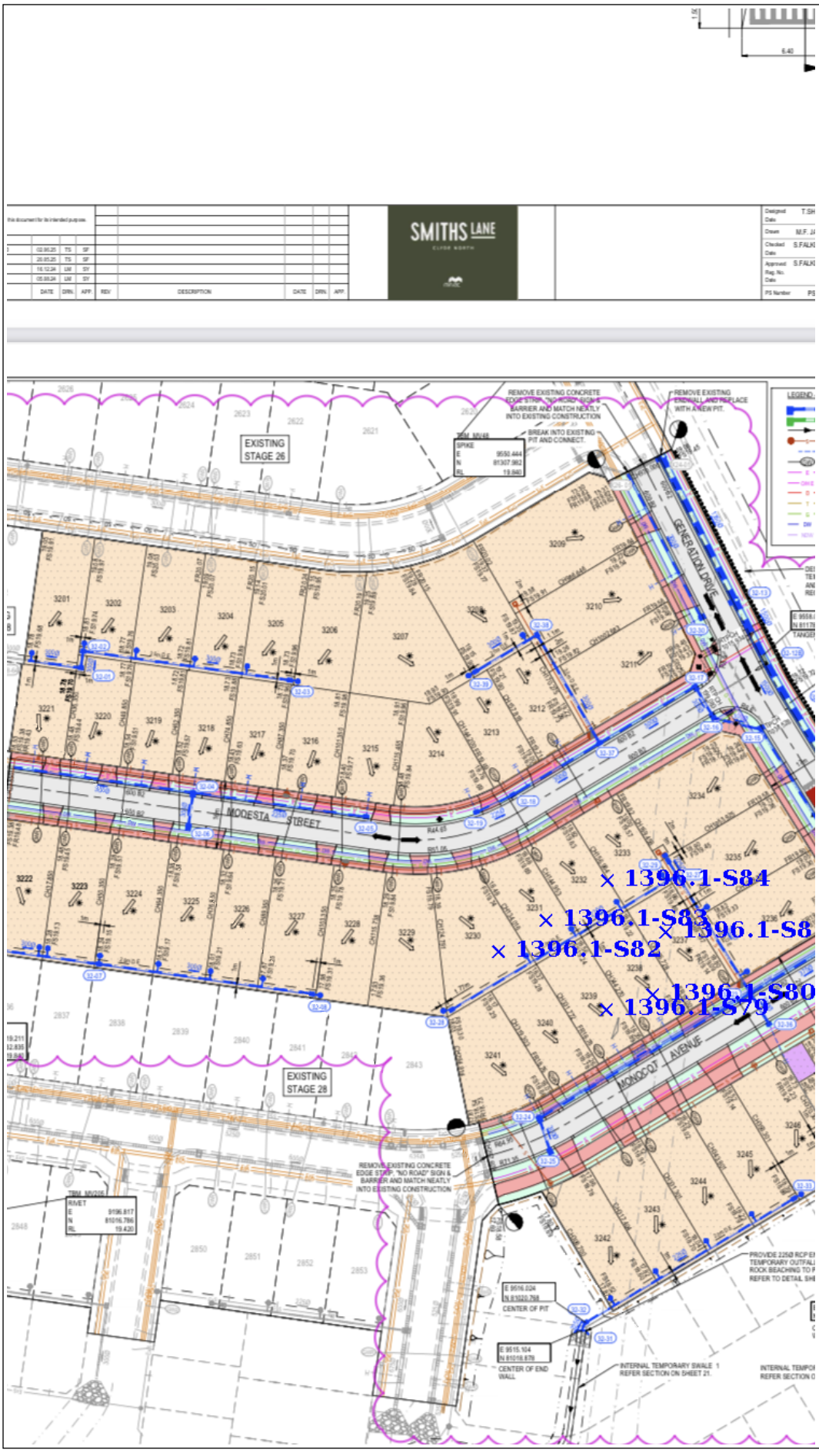
Approved Signatory: Grant Sloan
LABORATORY 2IC
NATA Accredited Laboratory Number: 20436

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	1396.1-S79	1396.1-S80	1396.1-S81	1396.1-S82	1396.1-S83	1396.1-S84
Date Tested	08/09/2025	08/09/2025	08/09/2025	08/09/2025	08/09/2025	08/09/2025
Time Tested	11:30	11:34	11:40	11:45	11:53	11:59
Test Request #/Location	LOT 3239	LOT 3238	LOT 3237	LOT 3230	LOT 3231	LOT 3232/3233
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown	silty CLAY, medium - high plasticity, brown
Test Depth (mm)	275	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	2.04	2.03	2.04	2.02	2.02	2.02
Field Moisture Content %	16.1	18.0	18.8	18.1	19.1	17.7
Field Dry Density (FDD) t/m^3	1.75	1.72	1.72	1.71	1.69	1.72
Peak Converted Wet Density t/m^3	2.04	2.03	2.05	2.04	2.03	1.99
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	-0.5	-0.5	-0.5	0.0	1.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**100.0**	**99.5**	**99.0**	**99.0**	**101.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**	**

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **GSE1396.1-19**
Issue Number: 1
Date Issued: 23/02/2026
Client: WINSLOW CONSTRUCTORS PTY LTD

Project Number: GSE1396.1
Project Name: SMITHS LANE - STAGE 32
Project Location: CLYDE NORTH
Work Request: 3275
Date Sampled: 17/02/2026 13:00
Dates Tested: 18/02/2026 - 18/02/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and Preparation of Soils
Specification: 98% Modified
Site Selection: Selected by Local Authority
Location: CLYDE NORTH
Material: 20MM CLASS 2 CRUSHED ROCK
Material Source: BORAL LYSTERFIELD

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Grant Sloan
LABORATORY 2IC
Laboratory Accreditation Number: 14874

Compaction Control AS 1289 5.2.1 & 5.4.1 & 5.4.2 & 5.8.1 & 2.1.1			
Sample Number	ME-3275A	ME-3275B	ME-3275C
Date Tested	18/02/2026	18/02/2026	18/02/2026
Time Tested	13:00	13:05	13:10
Test Request #/Location	MODESTA STREET	MODESTA STREET	MODESTA STREET
Chainage (m)	10.0	50.0	65.0
Location Offset (m)	1.0 from LEL	2.0 from LEL	3.0 from LEL
Layer / Reduced Level	BASE	BASE	BASE
Thickness of Layer (mm)	130	130	130
Soil Description	20MM CLASS 2 CRUSHED ROCK	20MM CLASS 2 CRUSHED ROCK	20MM CLASS 2 CRUSHED ROCK
Test Depth (mm)	100	100	100
Fraction Tested (mm)	19.0	19.0	19.0
Oversize (wet basis) %	**	**	**
Oversize (dry basis) %	**	**	**
Curing Hours	**	**	**
Method used to Determine Plasticity	**	**	**
Field Wet Density (FWD) t/m^3	2.33	2.31	2.32
Field Moisture Content %	5.1	4.0	5.1
Field Dry Density t/m^3	2.21	2.22	2.21
Maximum Dry Density t/m^3	2.25	2.25	2.25
Adjusted Maximum Dry Density t/m^3	**	**	**
Optimum Moisture Content (OMC) %	7.0	7.0	7.0
Adjusted Optimum Moisture Content (OMC) %	**	**	**
Date Values Assigned	7/8/2025	7/8/2025	7/8/2025
Assigned Value Report #	GSE1500.1-12	GSE1500.1-12	GSE1500.1-12
Moisture Variation %	2.0	3.0	2.0
Moisture Ratio %	73.5	56.5	73.5
Density Ratio %	**98.5**	**98.5**	**98.0**
Compaction Method	**Modified**	**Modified**	**Modified**

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

Sample Locations Plan

x - approximate test location