

LEVEL ONE

Reference
No.: 9003-021

SURVEILLANCE

AND INSPECTION REPORT

*Carried Out
By*



PREPARED FOR: -

SYMON BROS. CONSTRUCTIONS PTY LTD



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Appendix A Construction Drawings

Appendix B Daily Field Compaction Summary Results



Client Name: Symon Bros. Constructions Pty Ltd
Project Name: The Grove South West Precinct Stage 46
Date: 19th of January 2024
Author: Mr. Sam Loza
Reference No.: 9003-021
Revision: 0
Project Manager: Mr. George Dimopoulos

1. Introduction & Scope

At the request of Symon Bros. Constructions Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the above-mentioned site from the 11th of August 2022 to the 9th of September 2022 where a residential development is being constructed. Inspection and testing of stripping, material quality and compaction control tests were carried out to comply with the requirements of AS 3798 Appendix B, Level 1.

The following documentation was submitted to Geotechnical Laboratories by Symon Bros. Constructions Pty Ltd and was used to determine compliance of earthworks in conjunction with the requirements of AS 3798 – 2007.

(1) Road & Drainage Layout Plan Drawing No. 2190E-046-111 (Rev. 4)

General site works involved the placement of fill, using on-site derived clay, to bring the fill region to the required finished levels as indicated on the faceplan drawings.

2. Site Preparation

Site inspections were undertaken on the 8th of August 2022 confirming that selected areas to be filled were completely stripped of topsoil prior to filling. The brown silty topsoils had been stockpiled around the site for later removal off-site.

Proof roll inspections were performed throughout the project duration to ensure no significant soft areas were present prior to filling.

3. Fill Material

It is understood that the fill material used was sourced from site cut areas.



The fill material is best described as a silty CLAY, brown, red brown, slightly moist to moist, medium to high plasticity with basalt gravels and cobbles.

The fill material is consistent with the naturally occurring soils for this region.

Source material was deemed a **Suitable Material** in accordance with guidelines set out in AS 3798 - 2007 Section 4.4.

4. Fill Construction Procedure

The following plant (but not always limited to) were engaged in the fill placement process:

- Dump trucks & highway trucks
- Scrapers
- A watercart
- A sheepsfoot compactor (815)
- A padfoot roller
- A dozer

The sheepsfoot compactor and dozer placed material in horizontal loose layers of approximately 250-300mm. The sheepsfoot compactor and padfoot roller performed compaction of the clay fill operating in a criss-cross pattern.

The moisture condition of the fill was closely monitored, and moisture conditioning procedures were applied to bring the material closer to its Standard Optimum Moisture Content (AS 1289 5.7.1).

5. Compaction Control Testing

Compaction control testing was performed on-site using a Nuclear Densometer in accordance with AS 1289 5.8.1. Laboratory reference densities were determined from material sampled at each test site location using the Hilf Rapid Compaction Method in accordance with AS 1289 5.7.1.

A total of twenty-five compaction tests were performed on the fill construction. Results are presented in Appendix B of this report.

6. Testing Frequency

Testing frequencies were in accordance with **AS 3798 - 2007 Table 8.1 for Large Scale Operations.**

Acceptance of fill layers for compaction was based on the requirements of **AS 3798 - 2007 Table 5.1 Item 1. Residential.**



As a result, the compliance criteria adopted by Geotechnical Laboratories was a hilt density ratio not less than 95 percent of the maximum hilt density value as determined by the Standard Hilt Rapid Compaction Method in accordance with AS 1289 5.7.1.

Test results indicate that the above-mentioned requirements have been successfully achieved.

No moisture criteria was specified.

7. Statement of Compliance

So far as can be determined, Symon Bros. Constructions Pty Ltd has satisfactorily complied with the compaction and construction processes required for the structural filling of this site. As such, structural filling placed on this site by Symon Bros. Constructions Pty Ltd from the 11th of August 2022 to the 9th of September 2022 can be categorised as CONTROLLED FILL in accordance with AS 2870-2011.

8. Limitations and Liability of this Report

This report has been produced for and remains the property of Symon Bros. Constructions Pty Ltd.

The release of this report to a third party will only occur if Geotechnical Laboratories Pty Ltd has received, in writing, the authority to do so by our client.

Geotechnical Laboratories Pty Ltd will not engage in any third-party communication regarding this report.

Where information has been supplied by the client or third party, the assumption is made that this is correct. Geotechnical Laboratories Pty Ltd will not be held responsible for any inaccuracies supplied.

Test results and controlled fill compliance relates only to fill placed by Symon Bros. Constructions Pty Ltd and for earthworks completed at the time of inspection and testing. Any previous or subsequent earthworks will require a separate evaluation.

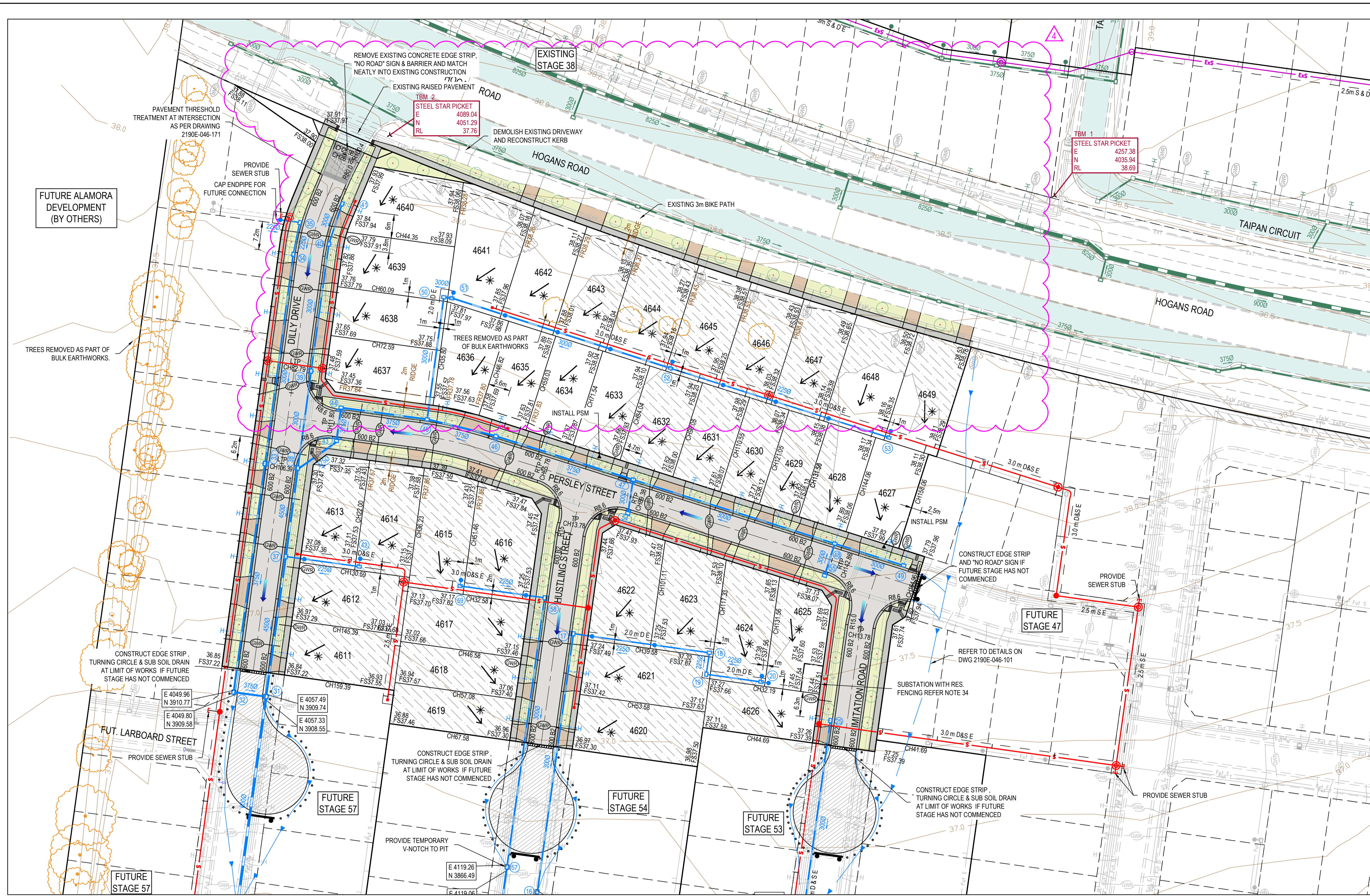
For & on behalf of
Geotechnical Laboratories Pty Ltd.

Sam Loza
Laboratory Manager.



LEVEL ONE
SURVEILLANCE
AND INSPECTION REPORT

APPENDIX A



LEGEND - LAYOUT PLAN	
[Symbol]	STORMWATER DRAIN, PIT & PROPERTY INLET
[Symbol]	MAIN DRAIN
[Symbol]	SWALE DRAIN
[Symbol]	SEWER & MAINTENANCE STRUCTURES
[Symbol]	HOUSE DRAIN
[Symbol]	ELECTRICITY (U.GROUND)
[Symbol]	ELECTRICITY (O.HEAD)
[Symbol]	GAS
[Symbol]	TELSTRA
[Symbol]	OPTIC FIBRE
[Symbol]	WATER
[Symbol]	RECYCLE WATER
[Symbol]	AG. DRAIN
[Symbol]	SERVICE CONDUITS
[Symbol]	TACTILE PAVERS
[Symbol]	EXISTING STORMWATER DRAIN
[Symbol]	EXISTING MAIN DRAIN
[Symbol]	EXISTING SWALE DRAIN
[Symbol]	EXISTING SEWER & MAINTENANCE STRUCTURES
[Symbol]	EXISTING HOUSE DRAIN
[Symbol]	EXISTING ELECTRICITY (UNDER GROUND)
[Symbol]	EXISTING ELECTRICITY OVERHEAD
[Symbol]	EXISTING GAS
[Symbol]	EXISTING TELSTRA
[Symbol]	EXISTING OPTIC FIBRE
[Symbol]	EXISTING WATER
[Symbol]	EXISTING RECYCLED WATER
[Symbol]	EXISTING AG. DRAIN
[Symbol]	EXISTING SERVICE CONDUITS
[Symbol]	EXISTING TACTILE PAVERS
[Symbol]	FUTURE STORMWATER DRAIN
[Symbol]	FUTURE MAIN DRAIN
[Symbol]	FUTURE SWALE DRAIN
[Symbol]	FUTURE SEWER & MAINTENANCE STRUCTURES
[Symbol]	FUTURE HOUSE DRAIN
[Symbol]	FUTURE ELECTRICITY (UNDER GROUND)
[Symbol]	FUTURE ELECTRICITY OVERHEAD
[Symbol]	FUTURE GAS
[Symbol]	FUTURE TELSTRA
[Symbol]	FUTURE OPTIC FIBRE
[Symbol]	FUTURE WATER
[Symbol]	FUTURE RECYCLED WATER
[Symbol]	FUTURE AG. DRAIN
[Symbol]	FUTURE SERVICE CONDUITS
[Symbol]	FUTURE TACTILE PAVERS
[Symbol]	ZERO LOT LINES
[Symbol]	141.34 EXISTING SURFACE LEVEL
[Symbol]	FS140.35 FINISHED BUILDING LINE LEVEL
[Symbol]	FR157.40 FINISHED RIDGE LINE LEVEL
[Symbol]	CH270.00 CHAINAGE
[Symbol]	TW159.60 TOP OF RETAINING WALL LEVEL
[Symbol]	BW159.00 BOTTOM OF RETAINING WALL LEVEL
[Symbol]	EXISTING RETAINING WALL
[Symbol]	RETAINING WALL
[Symbol]	FUTURE RETAINING WALL
[Symbol]	STRUCTURAL FILL > 200mm DEEP
[Symbol]	EXISTING STRUCTURAL FILL > 200mm DEEP
[Symbol]	CUT > 200mm DEEP
[Symbol]	DIRECTION OF FALL
[Symbol]	OVERLAND FLOW
[Symbol]	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
[Symbol]	EDGE STRIP, SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
[Symbol]	EXISTING TREE TO BE RETAINED
[Symbol]	EXISTING TREE TO BE REMOVED
[Symbol]	INDICATIVE TREE LOCATION
[Symbol]	PERMANENT SURVEY MARK
[Symbol]	TEMPORARY BENCH MARK
[Symbol]	PROPOSED DRIVEWAY & FOOTPATH
[Symbol]	PROPOSED INDUSTRIAL DRIVEWAY
[Symbol]	PROPOSED SHARED FOOTPATH
[Symbol]	PROPOSED ROAD PAVING
[Symbol]	EXISTING ROAD PAVING

REFER SHEET 2190E-046-112 FOR CONTINUATION

NOTE:

- LEVELS AND STRUCTURAL HATCHING DENOTED ON LOTS ARE DERIVED FROM THE 'NATURAL' SURFACE. CONTOURS SHOWN ON SHEET PLAN ARE FROM 'EXISTING SURFACE' IE: AFTER BULK EARTHWORKS.
- THE TREE LOCATIONS AND NUMBER OF TREES SHOWN ARE INDICATIVE ONLY AND WILL BE FINALISED AS PART OF THE LANDSCAPE PLANS

WARNING
BEWARE OF UNDERGROUND SERVICES
 The locations of underground services are approximate only and their exact position should be proven on site.
 No guarantee is given that all existing services are shown.
 Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	21.06.22	ISSUED FOR CONSTRUCTION	C.PESSATTO	G.CHIUMBURU	N.FREEMAN	P.SHELLIE
1	07.09.22	LOTS 4601-4610 REMOVED TO ALIGN WITH LATEST PLAN	M.NGO	M.NGO	N.FREEMAN	P.SHELLIE
2	03.11.22	UPDATED SERVICE OFFSETS, TREES & CUT OFF DRAIN NOTES	M.NGO	M.NGO	N.FREEMAN	P.SHELLIE
3	06.12.22	HOUSE DRAIN AMENDED TO ALLOW FOR ELECTRICAL PILLAR	E.GLASSON	E.GLASSON	N.FREEMAN	P.SHELLIE
4	16.05.23	LOT LEVELS AMENDED AS PER CURRENT FSL	E.GLASSON	E.GLASSON	C.CATHCART	H.SADRI

PLAN OF SUB. NO. 902422U
 PERMIT REF. NO. WYP1105118

ISSUED FOR CONSTRUCTION

Scale 1:500
 SCALE AS SHOWN AT 1

SMEC
 Member of the Surlana Jurong Group
 ABN 47 065 475 149
 Collins Square, Tower 4, Level 20, 722 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

FRASERS PROPERTY

The Grove West - Stage 46
 Wyndham City Council
 Road and Drainage
 Layout Plan - 1

MELWAYS REF: 234 F8
 PROJECT / DRAWING No: 2190E-046-111
 SHEET No: 02 of 24
 REVISION: 4



LEVEL ONE
SURVEILLANCE
AND INSPECTION REPORT

APPENDIX B



GEOTECHNICAL LABORATORIES
ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023
 Email: info@geolab.com.au PH: (03) 8361-9140

DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9008/003A

LOCATION: SYMON BROS - The Grove SWP - Stage 51

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
1/07/22	1	<i>Refer to #9008/004A for approx. test site locations.</i>	1.81	26.0	97.5	1.86	27.5	175	1.5 Drier	94.5	0	0	1000	
1/07/22	2		1.80	28.5	97.0	1.85	30.0	175	2.0 Drier	94.0	0	0	1000	
1/07/22	3		1.84	32.0	98.0	1.87	30.0	175	2.5 Wetter	108.0	0	0	900	
1/07/22	4		1.87	29.5	96.5	1.94	28.5	175	1.0 Wetter	102.5	0	0	900	
-	-		-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 9:00am Finish Time:9:40am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report # 9008/003

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✘

❖

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

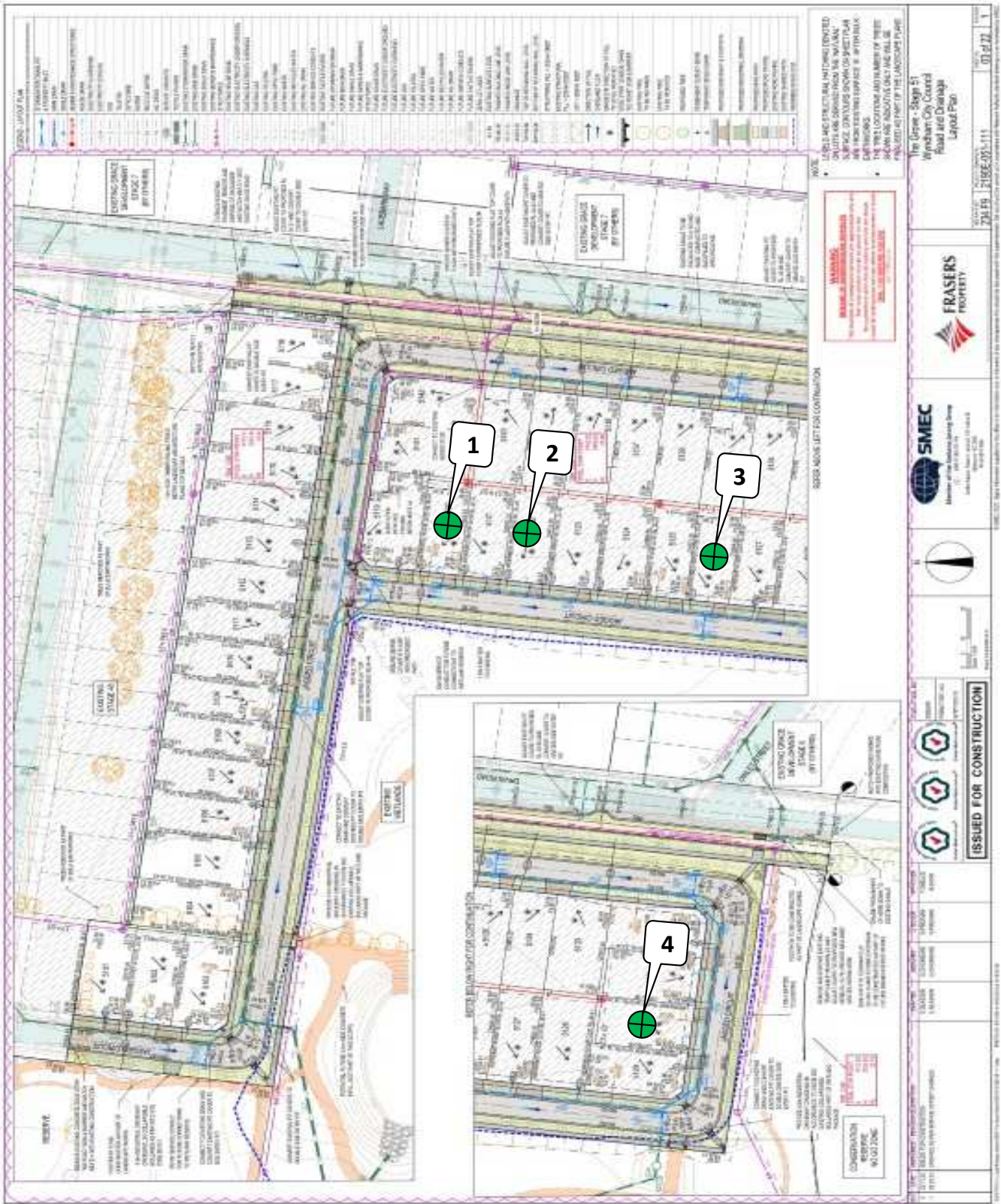
MICK CROWE
 (Approved Signatory)

Issue Date: 23/10/2023



Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accredited Laboratory Number 14561



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 51

Sketch indicating compaction test locations

DATE: 01/07/2022

OPERATOR: PV

SCALE: NTS

JOB No.: 9008/004A

CHECKED: DM

FIGURE No: -



GEOTECHNICAL LABORATORIES

ACN 102 571 077

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DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9003/004A

LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
12/08/22	5	<i>Refer to #9003/005A for approx. test site locations.</i>	2.07	22.0	104.0	2.00	22.0	175	0.0 Drier	99.0	0	0	300	
12/08/22	6		2.17	23.0	104.5	2.08	22.5	175	0.0 Wetter	101.0	0	0	300	
12/08/22	7		2.09	20.0	102.5	2.04	20.0	175	0.0 Wetter	101.0	0	0	300	
12/08/22	8		2.12	19.5	105.0	2.02	20.0	175	0.5 Drier	97.5	0	0	300	
-	-		-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 10:15am Finish Time: 10:50am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report # 9003/004

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✘

❖

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

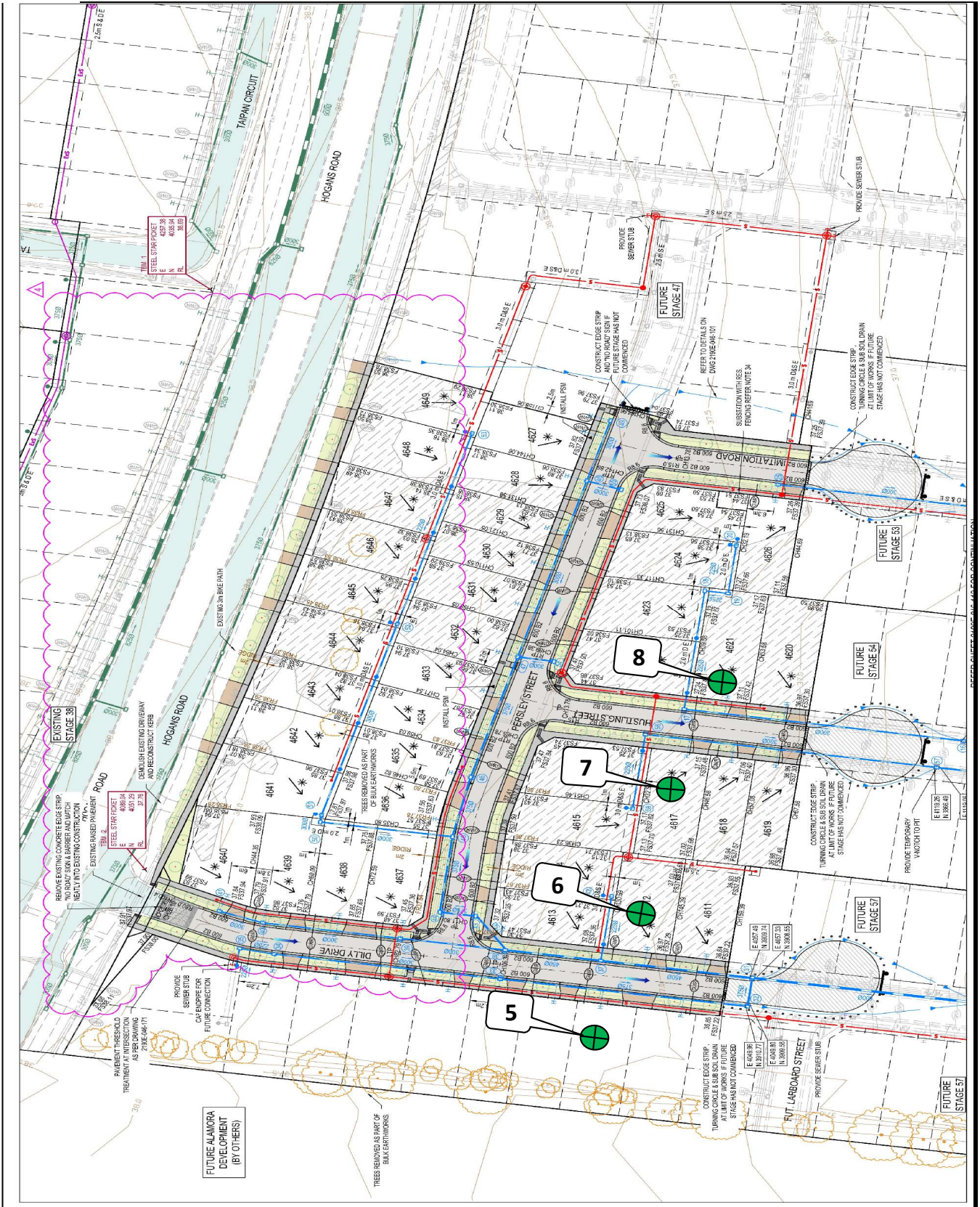
MICK CROWE
(Approved Signatory)

Issue Date: 9/10/2023



*Accredited for compliance with ISO/IEC
17025 - Testing*

NATA Accredited Laboratory Number 14561



**GEOTECHNICAL
LABORATORIES**

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46

Sketch indicating compaction test locations

DATE: 12/08/2022

OPERATOR: BM

SCALE: NTS

JOB No.: 9003/005A

CHECKED: KK

FIGURE No: -



GEOTECHNICAL LABORATORIES
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DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9003/011A

LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
24/08/22	9	<i>Refer to #9003/012A for approx. test site locations.</i>	1.83	23.0	97.0	✘ 1.89	24.5	175	1.5 Drier	94.0	4	0	0	
24/08/22	10		1.96	25.0	102.0	1.92	24.5	175	0.5 Wetter	102.0	0	0	0	
24/08/22	11		1.87	28.0	96.0	1.95	24.5	175	3.0 Wetter	112.5	0	0	0	
24/08/22	12		1.88	28.5	97.0	1.93	26.0	175	3.0 Wetter	111.0	0	0	0	
-	-		-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 10:10am Finish Time: 10:50am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report # 9003/011

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✘ Indicates APCWD



Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

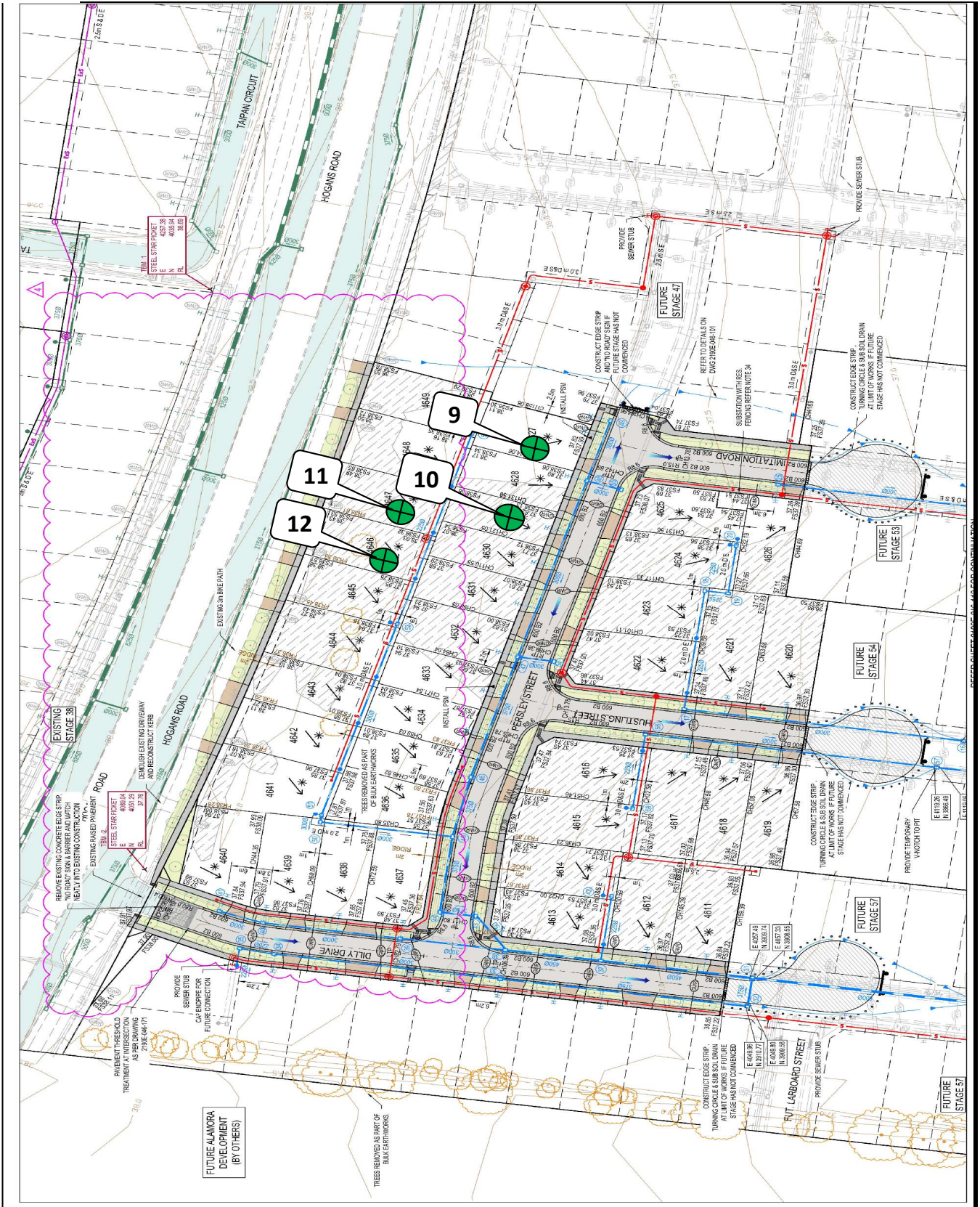
MICK CROWE
 (Approved Signatory)

Issue Date: 9/10/2023



Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accredited Laboratory Number 14561



**GEOTECHNICAL
LABORATORIES**

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46

Sketch indicating compaction test locations

DATE: 24/08/2022

JOB No.: 9003/012A

OPERATOR: RR/NI CHECKED: KK

SCALE: NTS

FIGURE No: -



GEOTECHNICAL LABORATORIES
ACN 102 571 077

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DAILY SUMMARY - FIELD DENSITY TESTS


REPORT NO.: # 9003/018A


LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46

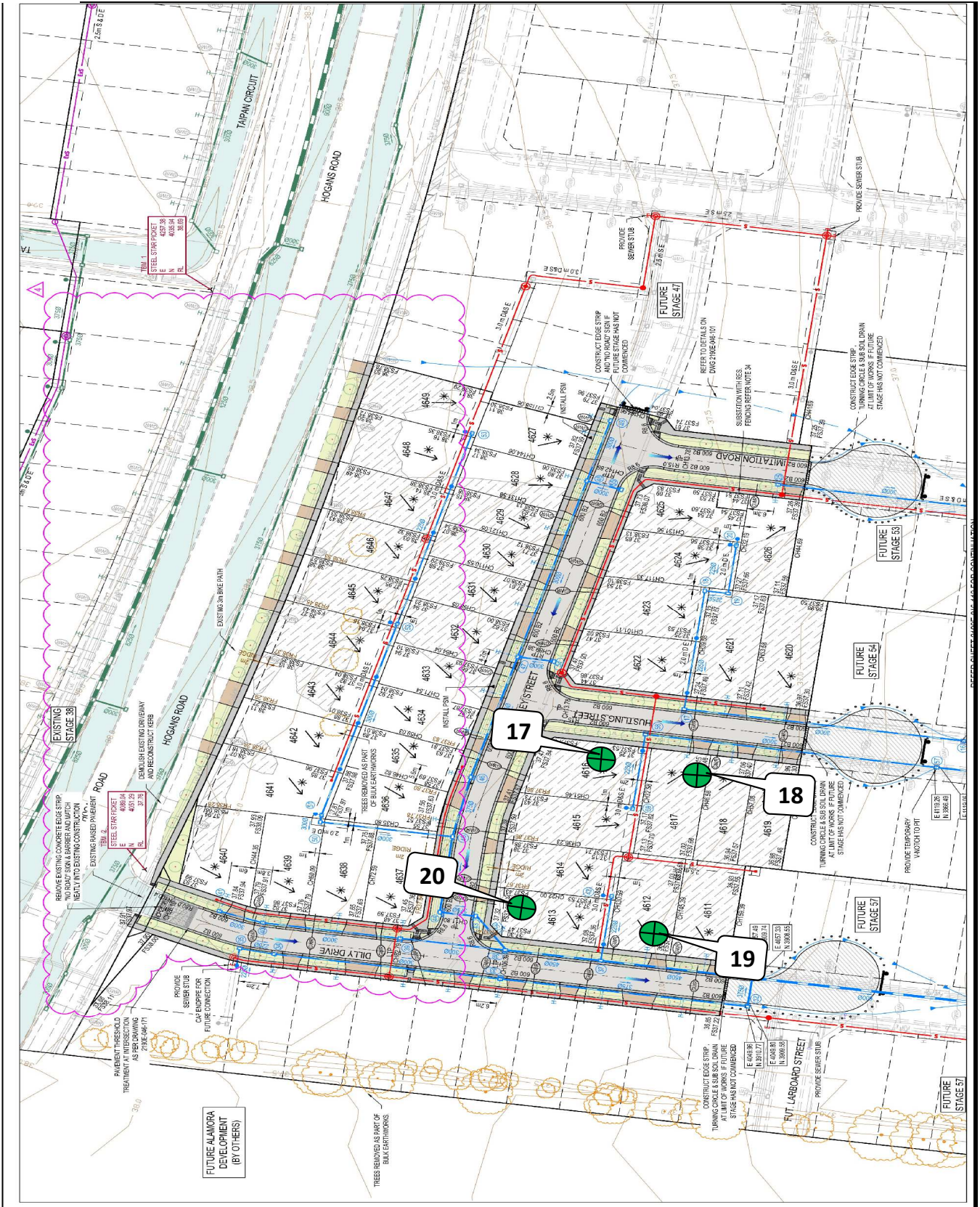
DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
26/08/22	17	<i>Refer to #9003/019A for approx. test site locations.</i>	1.92	27.0	101.0	1.90	25.5	175	1.5 Wetter	105.0	0	0	0	
26/08/22	18		1.95	22.0	102.0	✘ 1.91	26.0	175	3.5 Drier	86.0	11	0	0	
26/08/22	19		1.94	25.5	102.5	✘ 1.90	23.5	175	2.0 Wetter	108.5	6	0	0	
26/08/22	20		1.89	23.0	98.5	✘ 1.92	25.5	175	2.5 Drier	89.5	4	0	0	
-	-		-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite Compaction specimens sampled after compaction.
 Test sites located - Geolab Procedure 4, Part 4.4. Start Time: 10.30am Finish Time: 11:40am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.
 This Report Supersedes Report # 9003/018 Moisture Content: AS 1289 2.1.1
 Soil Layer thickness: 200mm Compaction Test: AS 1289 5.7.1
 Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1
 Field Density, Nuclear Gauge: AS 1289 5.8.1
 Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)
 ✘ Indicates APCWD
 ❖


 Accredited for compliance with ISO/IEC
 17025 - Testing
 NATA Accredited Laboratory Number 14561


MICK CROWE
 (Approved Signatory)
 Issue Date: 23/10/2023



**GEOTECHNICAL
LABORATORIES**

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46

Sketch indicating compaction test locations

DATE: 26/08/2022

JOB No.: 9003/019A

OPERATOR: SLI/N **CHECKED: KK**

SCALE: NTS

FIGURE No: -



GEOTECHNICAL LABORATORIES
 ACN 102 571 077
 14 Ravenhall Way, Ravenhall, Vic 3023
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DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9004/003A

LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46, 47 & 48

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
16/08/22	1	<i>Refer to #9004/004A for approx. test site locations.</i>	1.92	24.5	98.0	1.96	25.0	175	0.5 Drier	98.0	0	0	0	
16/08/22	2		1.92	25.5	98.5	1.95	25.0	175	0.5 Wetter	102.0	0	0	400	
16/08/22	3		1.99	24.5	101.5	✱ 1.96	24.0	175	0.0 Wetter	101.0	3	0	400	
16/08/22	4		2.06	22.0	107.5	1.91	24.5	175	2.5 Drier	90.0	0	0	400	
-	-		-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 9:30am Finish Time: 10:30am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Reoprt # 9004/003

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD



Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

MICK CROWE
(Approved Signatory)

Issue Date: 10/10/2023



Accredited for compliance with ISO/IEC
17025 - Testing

NATA Accredited Laboratory Number 14561



REFER SHEET 2190E-048-112 FOR CONTINUATION



**GEOTECHNICAL
LABORATORIES**

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46, 47 & 48

Sketch indicating compaction test locations

DATE: 16/08/2022

OPERATOR: BM

SCALE: NTS

JOB No.: 9004/004A

CHECKED: KK

FIGURE No: 1 of 3



**GEOTECHNICAL
LABORATORIES**

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46, 47 & 48

Sketch indicating compaction test locations

DATE: 16/08/2022

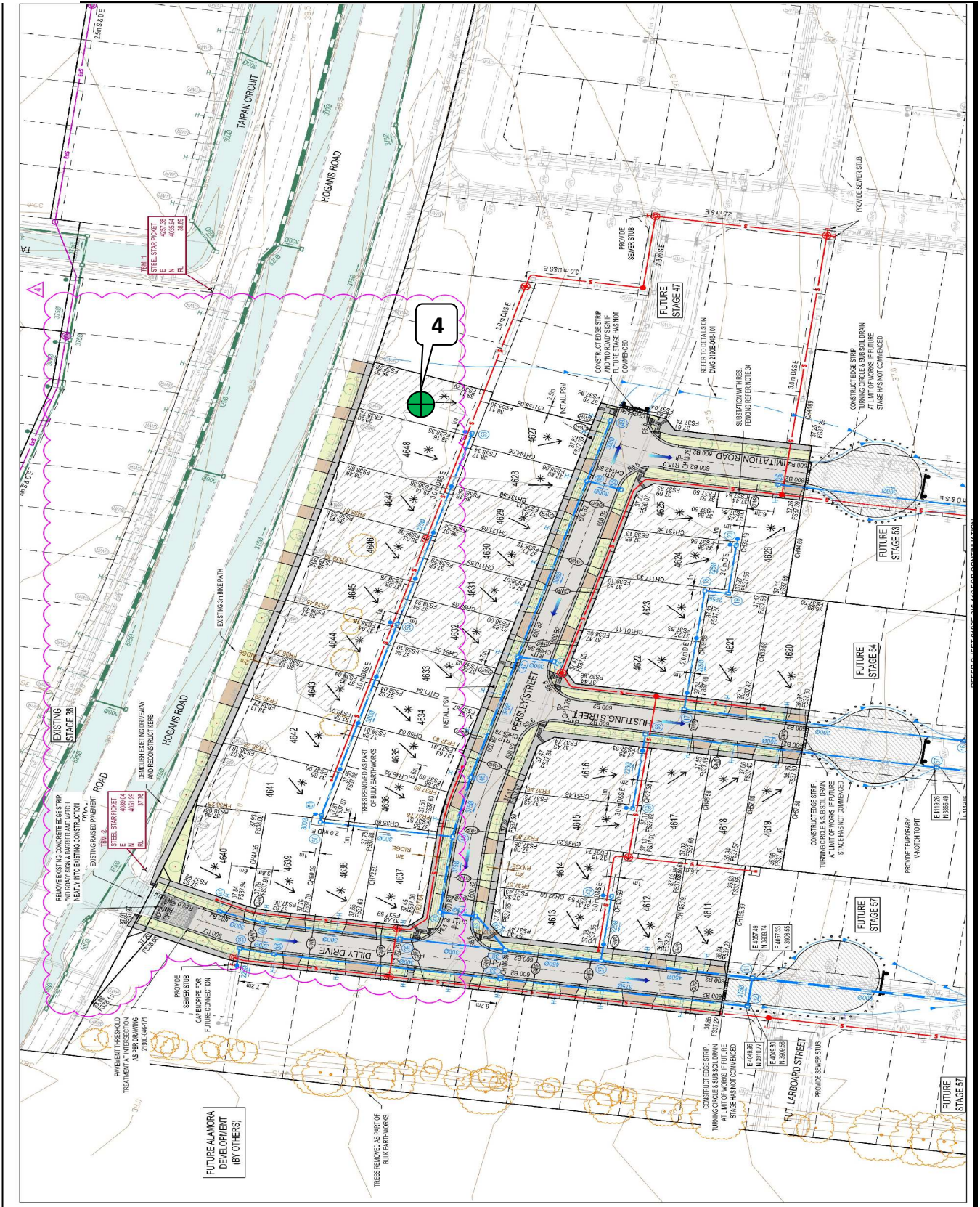
OPERATOR: BM

SCALE: NTS

JOB No.: 9004/004A

CHECKED: KK

FIGURE No: 2 of 3



**GEOTECHNICAL
LABORATORIES**

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46, 47 & 48

Sketch indicating compaction test locations

DATE: 16/08/2022

OPERATOR: BM

SCALE: NTS

JOB No.: 9004/004A

CHECKED: KK

FIGURE No: 3 of 3



GEOTECHNICAL LABORATORIES
ACN 102 571 077
 14 Ravenhall Way, Ravenhall, Vic 3023
 Email: info@geolab.com.au PH: (03) 8361-9140

DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9005/057A

LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46 &48

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
15/08/22	90	<i>Refer to #9005/058A for approx. test site locations.</i>	1.96	21.5	95.0	✘ 2.06	20.5	175	1.0 Wetter	105.0	3	0	0	
15/08/22	91		1.87	23.5	96.0	1.95	23.0	175	0.5 Wetter	102.0	0	0	0	
15/08/22	92		2.02	26.0	102.0	1.98	25.5	175	0.5 Wetter	102.0	0	0	300	
15/08/22	93		1.99	24.5	100.0	1.99	24.0	175	0.5 Wetter	102.0	0	0	300	
-	-		-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Compaction specimens sampled after compaction.

Test sites located - Geolab Procedure 4, Part 4.4.

Start Time: 8:30am Finish Time: 9:15am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report # 9005/057

Moisture Content: AS 1289 2.1.1

Soil Layer thickness: 200mm

Compaction Test: AS 1289 5.7.1

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✘ Indicates APCWD



*Accredited for compliance with ISO/IEC
17025 - Testing*

NATA Accredited Laboratory Number 14561

MICK CROWE
(Approved Signatory)

Issue Date: 24/10/2023

PLAN NUMBER
PS 844183G

PLAN OF SUBDIVISION

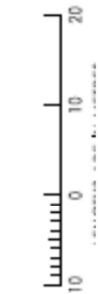


SHEET 4

ORIGINAL SHEET SIZE A3

VERSION: 4

REF: 8352/48



SCALE
1:500

ise Pitt Dixon Pty Ltd
1/19 Cain Street
Whom East V/B 3123
123 2300 Fax: 8623 2310



**GEOTECHNICAL
LABORATORIES**

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46 & 48

Sketch indicating compaction test locations

DATE: 15/08/2022

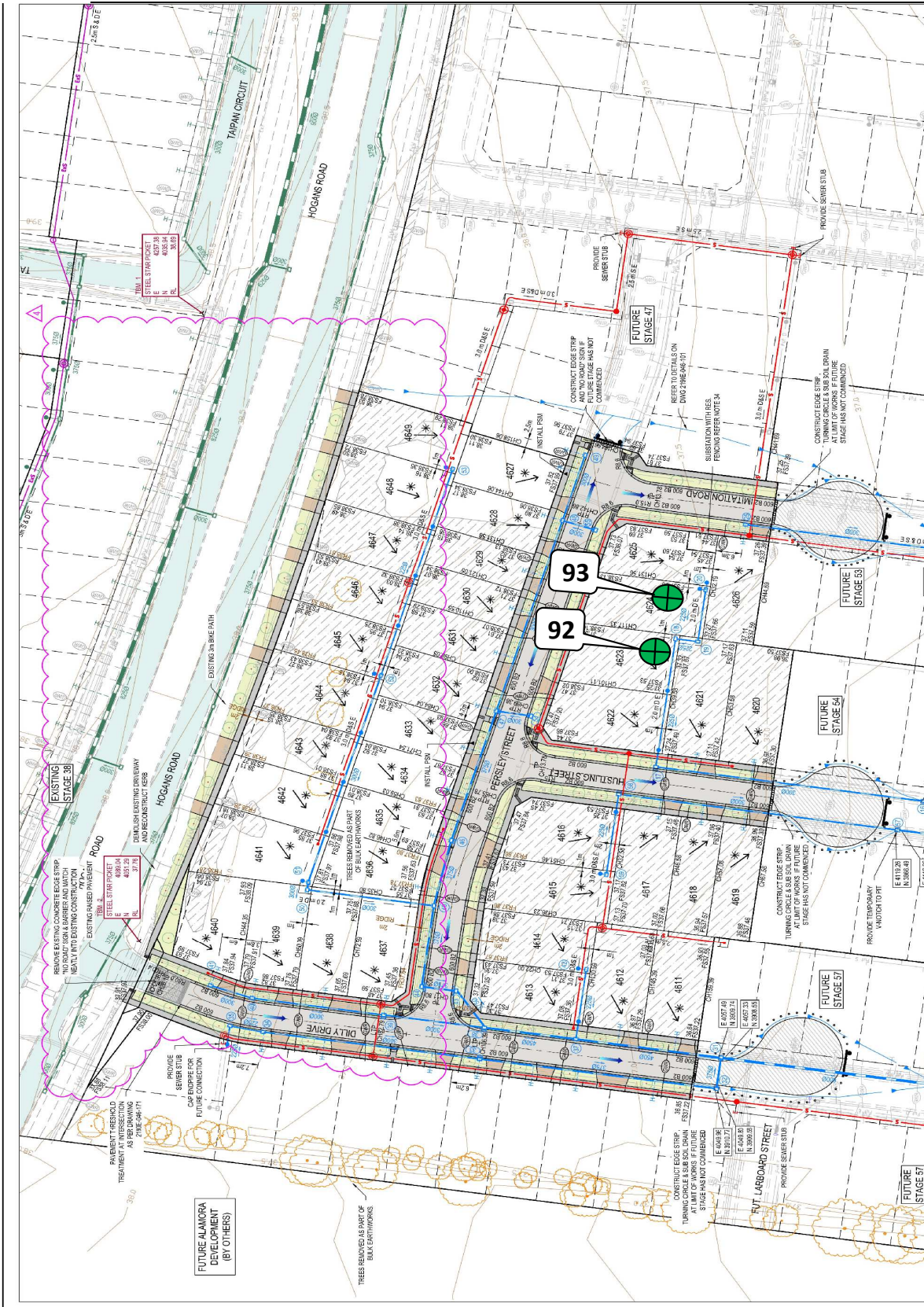
JOB No.: 9005/058A

OPERATOR: BM

CHECKED: KK

SCALE: NTS

FIGURE No: 1 of 2



NOTE:

- LEVELS AND STRUCTURAL HATCHING DENOTED ON LOTS ARE DERIVED FROM THE NATURAL SURFACE. CONTOURS SHOWN ON SHEET PLAN ARE FROM EXISTING SURFACE I.E. AFTER BULK EARTHWORKS.
- THE REFLECTIONS AND NUMBER OF TREES SHOWN ON THIS PLAN WILL BE FINALISED AS PART OF THE LANDSCAPE PLANS

REFER SHEET Z19E-045-112 FOR CONTINUATION



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES
ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023
 Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46 & 48

Sketch indicating compaction test locations

DATE: 15/08/2022

OPERATOR: BM

SCALE: NTS

JOB No.: 9005/058A

CHECKED: KK

FIGURE No: 2 of 2



GEOTECHNICAL LABORATORIES
ACN 102 571 077
 14 Ravenhall Way, Ravenhall, Vic 3023
 Email: info@geolab.com.au PH: (03) 8361-9140

DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9005/065A

LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46 & 48

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
17/08/22	94	<i>Refer to #9005/066A for approx. test site locations.</i>	2.06	23.0	100.0	2.06	21.5	175	1.5 Wetter	108.0	0	0	800	
17/08/22	95		2.03	26.5	101.5	2.00	24.0	175	2.5 Wetter	110.5	0	0	800	
17/08/22	96		1.91	27.5	97.5	1.96	25.5	175	2.0 Wetter	108.0	0	0	200	
17/08/22	97		1.93	26.5	99.5	1.95	26.0	175	0.5 Wetter	102.0	0	0	200	
-	-		-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 11:30am Finish Time: 12:30pm

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report # 9005/065

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

❖

❖

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1



*Accredited for compliance with ISO/IEC
17025 - Testing*

NATA Accredited Laboratory Number 14561

MICK CROWE
(Approved Signatory)

Issue Date: 24/10/2023

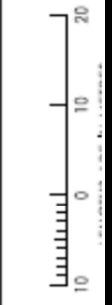
PLAN NUMBER
PS 844183G

PLAN OF SUBDIVISION



REF: 8352/48 VERSION: 4 ORIGINAL SHEET SIZE A3 SHEET 4

LICENSED SURVEYOR: SIMON COX



SCALE
1:500

ise Pitt Dixon Pty Ltd
1/19 Cain Street
Whom East V/B 3123
123 2300 Fax: 8623 2310



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES
ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023
Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46 & 48

Sketch indicating compaction test locations

DATE: 17/08/2022

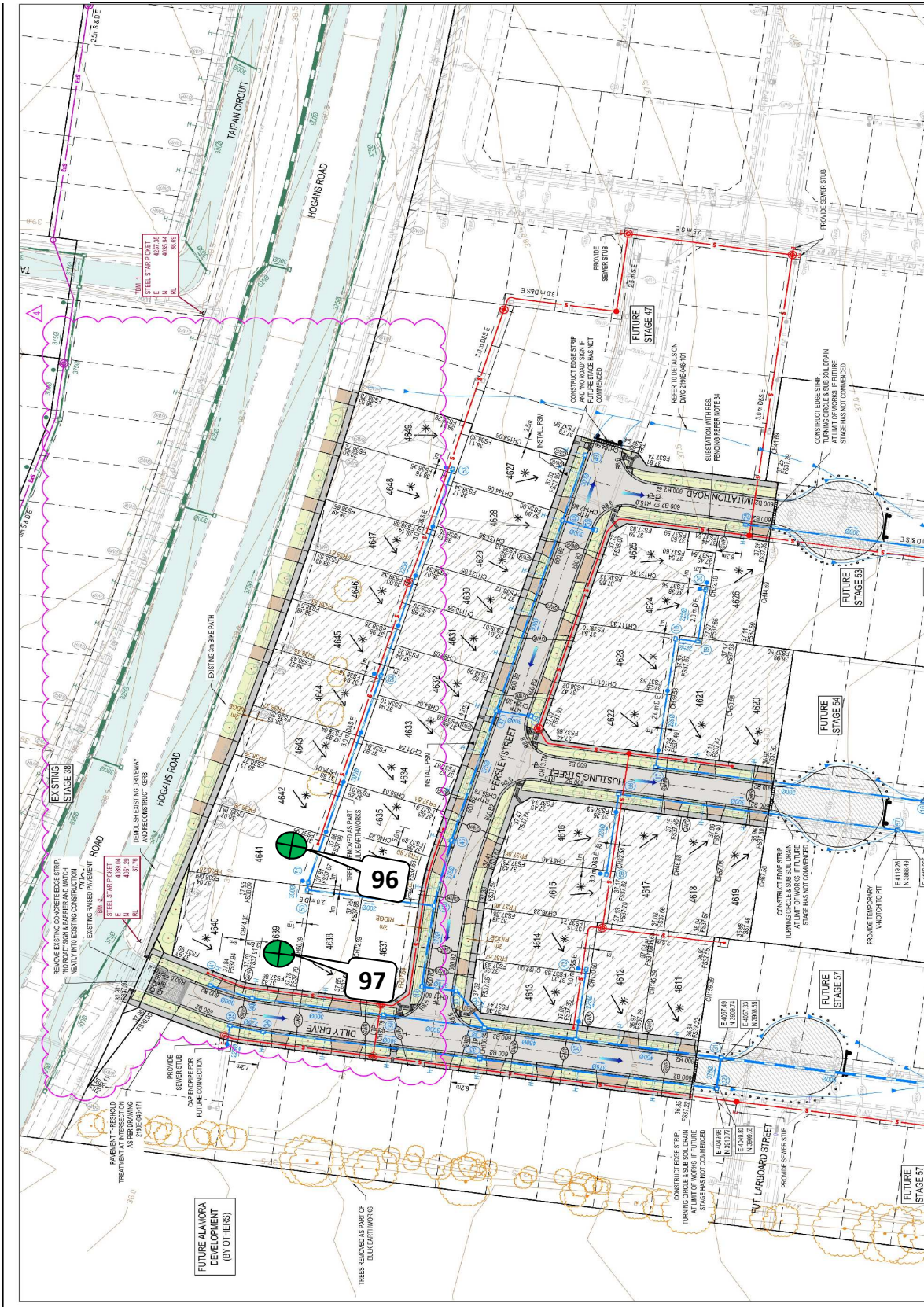
JOB No.: 9005/066A

OPERATOR: RR/AL

CHECKED: KK

SCALE: NTS

FIGURE No: 1 of 2



NOTE:

- LEVELS AND STRUCTURAL HATCHING DENOTED ON LOTS ARE DERIVED FROM THE NATURAL SURFACE. CONTOURS SHOWN ON SHEET PLAN ARE FROM EXISTING SURFACE I.E. AFTER BULK EARTHWORKS.
- THE REFLECTIONS AND NUMBER OF TREES SHOWN ON THIS PLAN WILL BE FINALISED AS PART OF THE LANDSCAPE PLANS

REFER SHEET Z19E-046-112 FOR CONTINUATION



GEOTECHNICAL LABORATORIES
ACN 102 571 077
 14 Ravenhall Way, Ravenhall, Vic 3023
 Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS
LOCATION: The Grove South West Precinct, Stage 46 & 48
Sketch indicating compaction test locations

DATE: 17/08/2022	JOB No.: 9005/066A
OPERATOR: RR/AF	CHECKED: KK
SCALE: NTS	FIGURE No: 2 of 2



GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9005/067A

LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46 & 48

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
18/08/22	98	<i>Refer to #9005/068A for approx. test site locations.</i>	1.91	24.5	95.5	✘ 2.00	23.5	175	1.0 Wetter	104.0	3	0	0	
18/08/22	99		1.94	26.5	98.0	✘ 1.98	25.0	175	2.0 Wetter	107.0	4	0	0	
18/08/22	100		1.87	25.5	95.5	1.96	24.5	175	1.0 Wetter	104.0	0	0	0	
18/08/22	101		1.87	23.5	97.0	1.93	24.5	175	1.0 Drier	96.0	0	0	400	
-	-		-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 1:40pm Finish Time: 1:30pm

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report # 9005/067

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✘ Indicates APCWD



Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

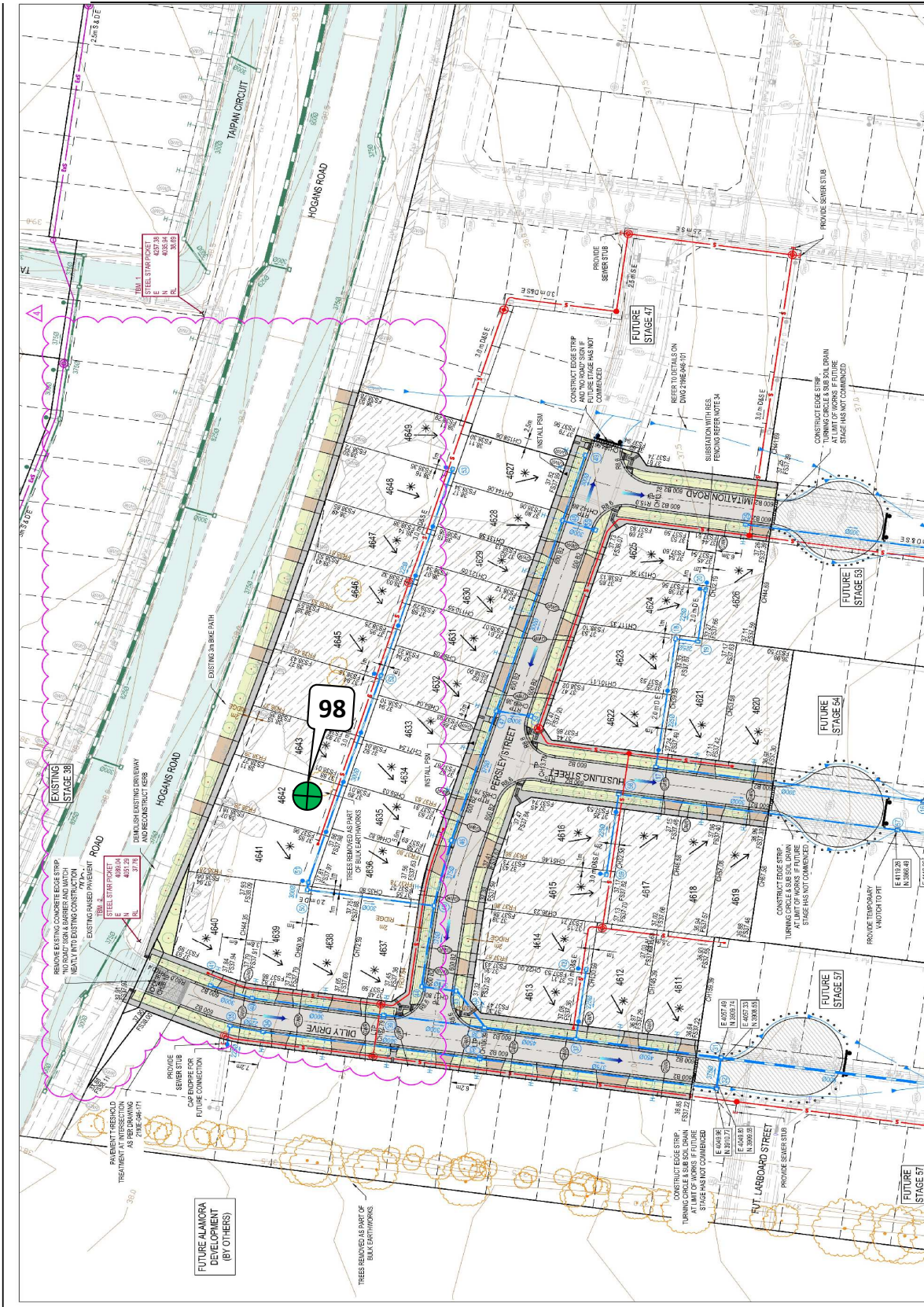
MICK CROWE
(Approved Signatory)

Issue Date: 24/10/2023



Accredited for compliance with ISO/IEC
17025 - Testing

NATA Accredited Laboratory Number 14561



NOTE:

- LEVELS AND STRUCTURAL HATCHING DENOTED ON LOTS ARE DERIVED FROM THE NATURAL SURFACE. CONTOURS SHOWN ON SHEET PLAN ARE FROM EXISTING SURFACE I.E. AFTER BULK EARTHWORKS
- THE REFLECTIONS AND NUMBER OF TREES SHOWN ON SHEET PLAN WILL BE FINALISED AS PART OF THE LANDSCAPE PLANS

REFER SHEET Z19E-046-112 FOR CONTINUATION



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46 & 48

Sketch indicating compaction test locations

DATE: 18/08/2022

JOB No.: 9005/068A

OPERATOR: PS/BM

CHECKED: KK

SCALE: NTS

FIGURE No: 1 of 2

PLAN NUMBER
PS 844183G

PLAN OF SUBDIVISION

PLAN NUMBER
PS 844183G

PLAN OF SUBDIVISION



REF: 8352/48 VERSION: 4 ORIGINAL SHEET SIZE A3 SHEET 3
LICENSED SURVEYOR: SIMON COX



SCALE 1:500

Breese Pitt Dixon Pty Ltd
1/19 Cato Street
Hawthorn East Vic 3123
Ph: 8823 2300 Fax: 8823 2310



GEOTECHNICAL LABORATORIES
ACN 102 571 077
14 Ravenhall Way, Ravenhall, Vic 3023
Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS
LOCATION: The Grove South West Precinct, Stage 46 & 48
Sketch indicating compaction test locations

DATE: 18/08/2022	JOB No.: 9005/068A
OPERATOR: PS/BM	CHECKED: KK
SCALE: NTS	FIGURE No: 2 of 2



GEOTECHNICAL LABORATORIES
ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023
 Email: info@geolab.com.au PH: (03) 8361-9140

DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9028/002A

LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46 & 54

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)	
7/09/22	1	<i>Refer to #9028/003A for approx. test site locations.</i>	1.96	23.0	106.0	✘ 1.85	26.5	175	3.5 Drier	87.0	7	0	0	
7/09/22	2		1.96	18.5	105.0	1.86	21.5	175	3.0 Drier	86.0	0	0	0	
7/09/22	3		1.94	21.0	104.0	1.87	24.0	175	3.0 Drier	87.0	0	0	0	
7/09/22	4		1.97	25.0	105.0	1.88	27.0	175	2.0 Drier	91.5	0	0	0	
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-	-		-	-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 9:40am Finish Time: 11:00am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report # 9028/002

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✘ Indicates APCWD



Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

MICK CROWE
 (Approved Signatory)

Issue Date: 23/10/2023



Accredited for compliance with ISO/IEC 17025 - Testing

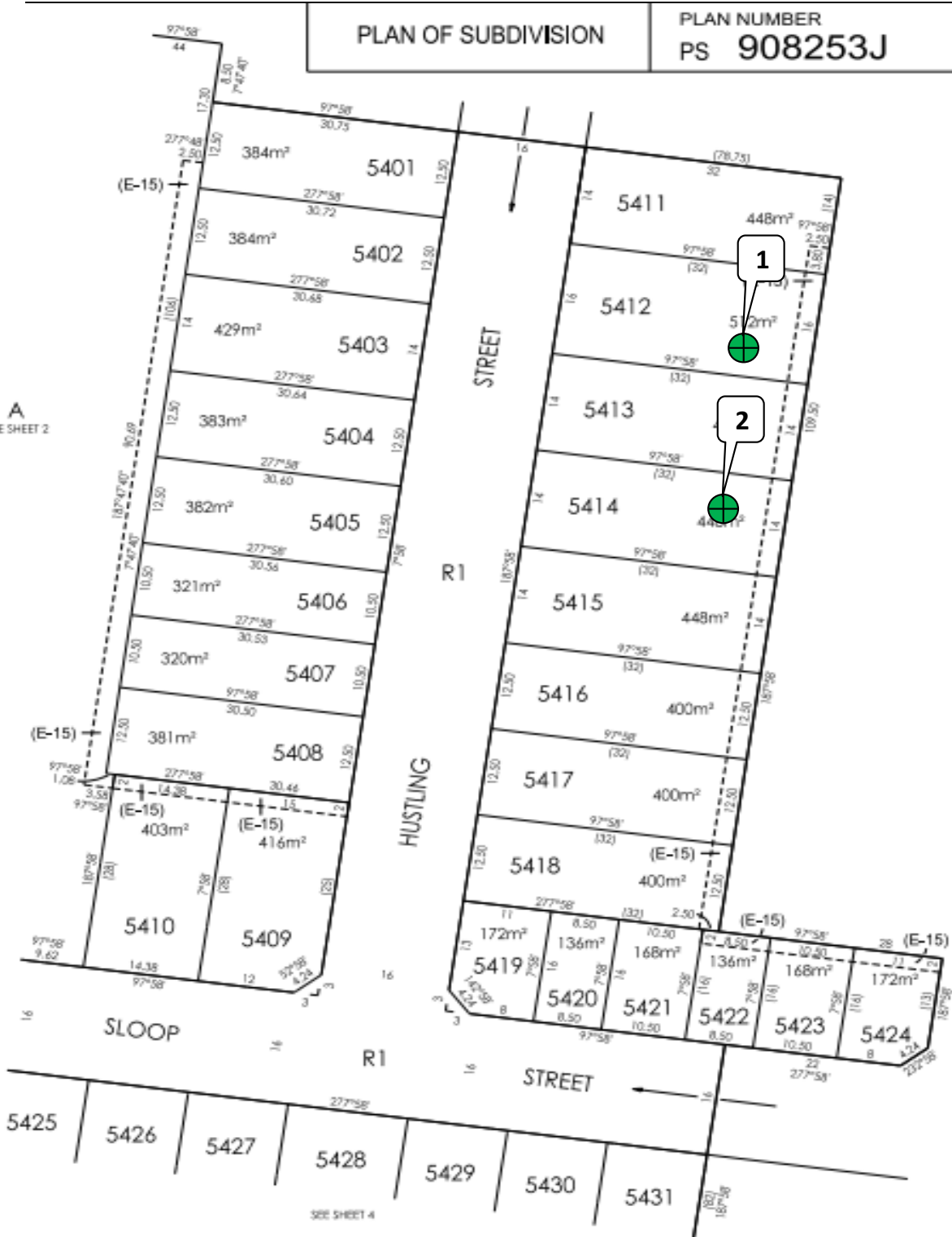
NATA Accredited Laboratory Number 14561

PLAN OF SUBDIVISION

PLAN NUMBER
PS 908253J



A
SEE SHEET 2



SEE SHEET 4



Breese Pitt Dixon Pty Ltd
1/19 Cato Street
Hawthorn East Vic 3123
Ph: 8823 2300 Fax: 8823 2310

SCALE
1:500



ORIGINAL SHEET SIZE A3 SHEET 3
REF: 8352/54 VERSION: 1

LICENSED SURVEYOR: SIMON COX



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES
ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023
Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

DATE: 7/9/22

JOB No.: 9028/003A

LOCATION: The Grove South West Precinct, Stage 46 & 54

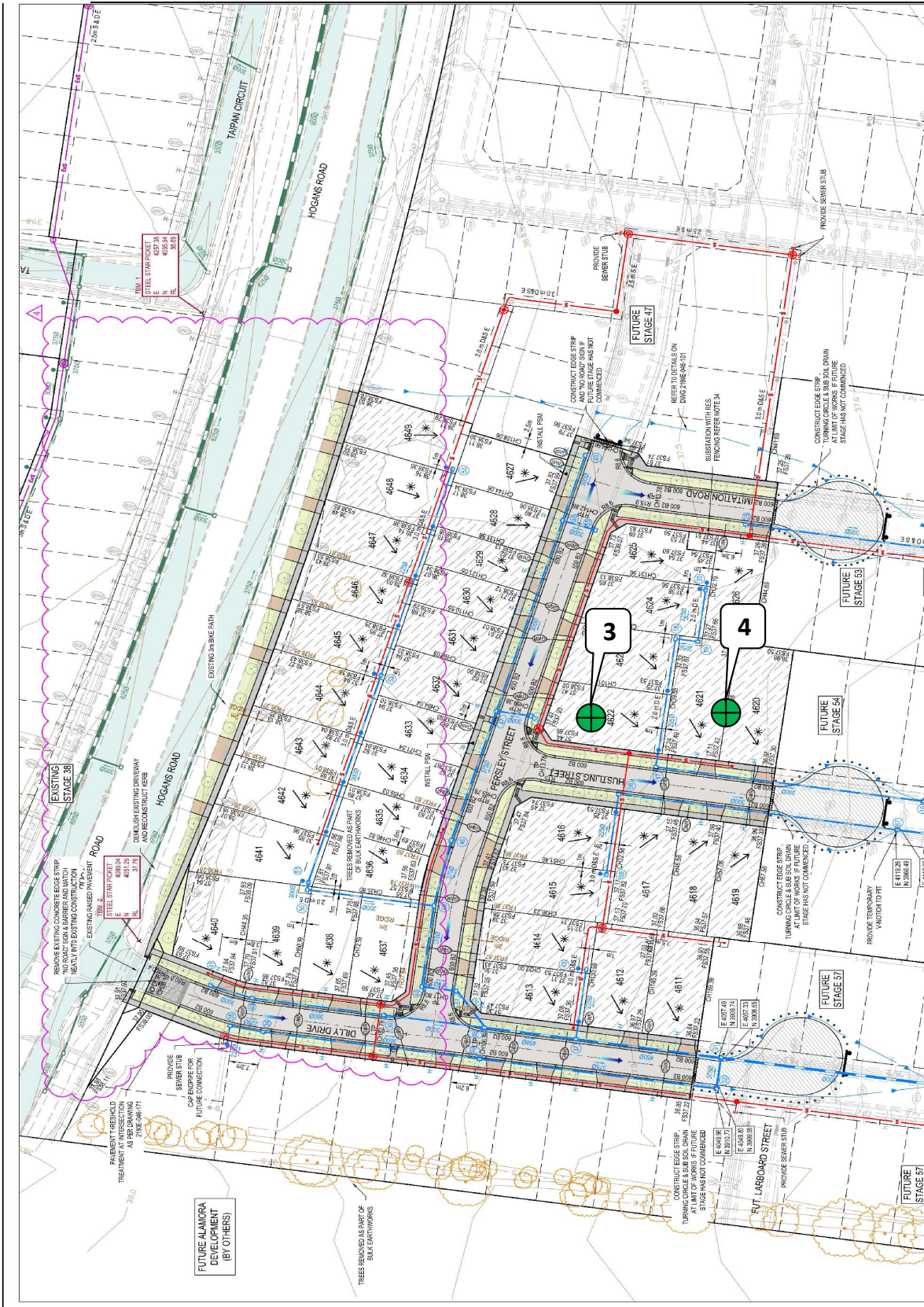
OPERATOR: SLI

CHECKED: KK

Sketch indicating compaction test locations

SCALE: NTS

FIGURE No: 1 of 2



NOTE:

- LEVELS AND STRUCTURAL HATCHING DENOTED ON LOTS ARE DERIVED FROM THE NATURAL SURFACE. CONTOURS SHOWN ON SHEET PLAN ARE FROM EXISTING SURFACE I.E. AFTER BULK EARTHWORKS.
- THE REFLECTIONS AND NUMBER OF TREES SHOWN ON THIS PLAN WILL BE FINALISED AS PART OF THE LANDSCAPE PLANS

REFER SHEET Z19E-046-112 FOR CONTINUATION



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES
ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023
 Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46 & 54

Sketch indicating compaction test locations

DATE: 7/9/22

OPERATOR: SLI

SCALE: NTS

JOB No.: 9028/003A

CHECKED: KK

FIGURE No: 2 of 2



GEOTECHNICAL LABORATORIES
 ACN 102 571 077
 14 Ravenhall Way, Ravenhall, Vic 3023
 Email: info@geolab.com.au PH: (03) 8361-9140

DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 9028/004A

LOCATION: SYMON BROS - The Grove, South West Precinct, Stage 46 & 54

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m ³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m ³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
9/09/22	5	<i>Refer to #9028/005A for approx. test site locations.</i>	2.01	26.5	107.5	1.87	27.5	175	1.0 Drier	96.5	0	0	500
9/09/22	6		1.88	27.5	102.5	1.84	29.0	175	1.5 Drier	95.5	0	0	500
9/09/22	7		2.03	26.5	108.0	1.88	27.0	175	0.5 Drier	98.0	0	0	500
9/09/22	8		1.97	20.0	105.0	✱ 1.88	24.0	175	4.0 Drier	84.0	4	0	0
9/09/22	9		1.91	26.0	102.0	1.88	28.0	175	2.5 Drier	92.0	0	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 8:30am Finish Time: 9:40am

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

This Report Supersedes Report # 9028/004

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation ,Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled : AS 1289 1.2.1 Clause 6.4(b)

✱ Indicates APCWD



Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

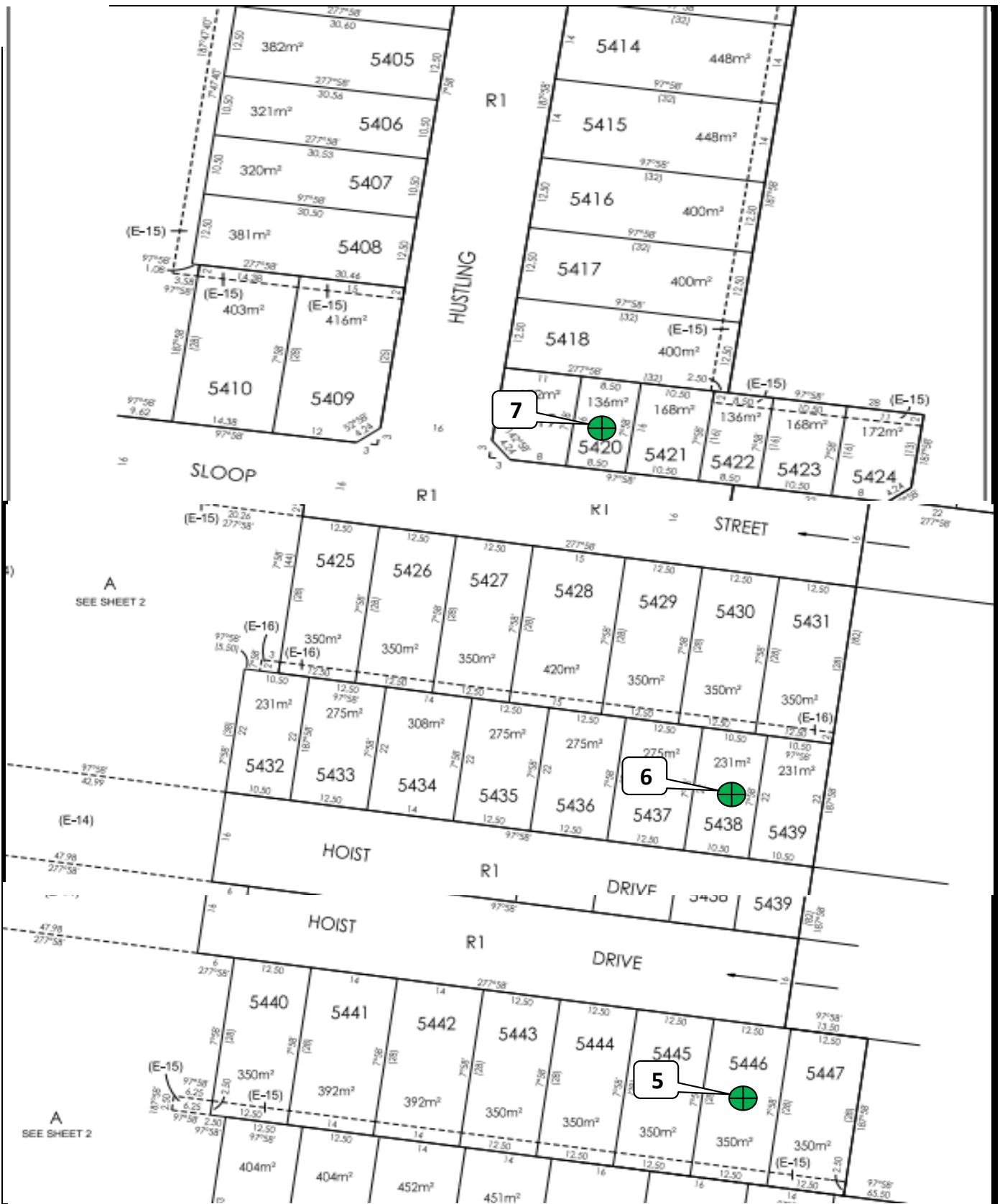
MICK CROWE
(Approved Signatory)

Issue Date: 23/10/2023



Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accredited Laboratory Number 14561

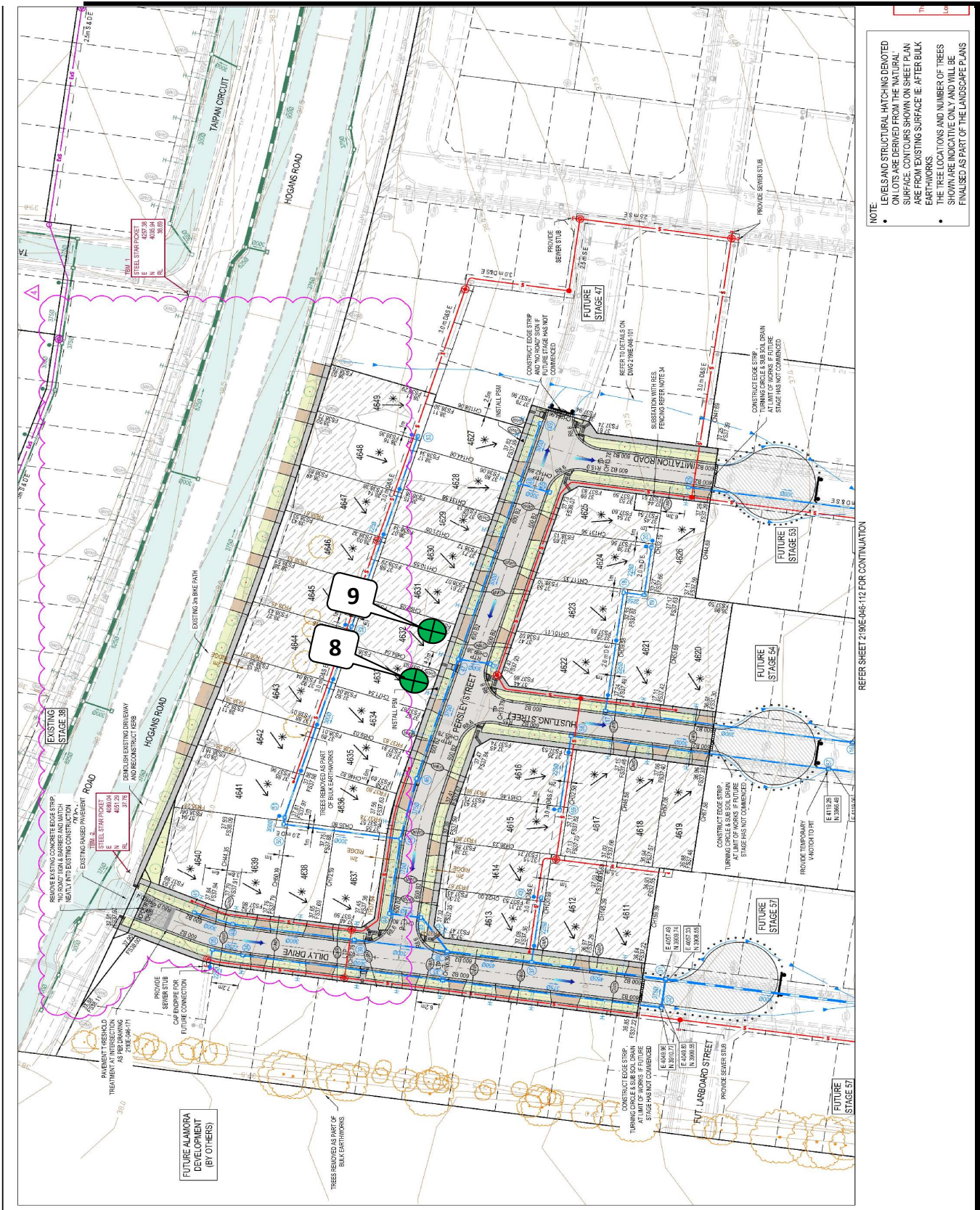


**GEOTECHNICAL
LABORATORIES**

**GEOTECHNICAL LABORATORIES
ACN 102 571 077**

14 Ravenhall Way, Ravenhall, Vic 3023
Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS LOCATION: The Grove South West Precinct, Stage 46 & 54 Sketch indicating compaction test locations	DATE: 9/09/2022	JOB No.: 9028/005A
	OPERATOR: BM	CHECKED: KK
	SCALE: NTS	FIGURE No: 1 of 2



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

Email: info@geolab.com.au PH: (03) 8361-9140

CLIENT: SYMON BROS

LOCATION: The Grove South West Precinct, Stage 46 & 54

Sketch indicating compaction test locations

DATE: 9/09/2022

OPERATOR: BM

SCALE: NTS

JOB No.: 9028/005A

CHECKED: KK

FIGURE No: 2 of 2