

LEVEL ONE

Reference
No.: 2344-155

SURVEILLANCE

AND INSPECTION REPORT

*Carried Out
By*



PREPARED FOR: -

1152 TAYLORS DEVELOPMENT PTY LTD



Table of Contents

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Appendices

Appendix A Construction Drawings

Appendix B Daily Field Compaction Summary Results



Client Name: 1152 Taylors Development Pty Ltd

Project Name: Botania Estate Stage 4B

Date: 14th of March 2023

Author: Mr. Sam Loza

Reference No.: 2344-155

Revision: 0

Project Manager: Mr. Dom Modric

1. Introduction & Scope

At the request of 1152 Taylors Development Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the above-mentioned site from the 1st of February 2022 to the 8th of March 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 1152 Taylors Development 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 Number 3070E-04B-111 (Rev. A).

General site works involved the placement of fill, using mainly on-site derived materials, to bring the fill construction regions to the required finished levels as indicated on the civil construction drawings.

2. Site Preparation

Site inspections were undertaken on the 24th of January 2022 confirming that selected areas to be filled were completely stripped of topsoil prior to filling. The topsoils were stockpiled around the site for later removal off-site.

Initial proof roll inspections were performed and subsequently throughout the project duration to ensure no significant soft areas were present prior to filling.

3. Fill Material

The fill material used was sourced from service trench excavations, road boxing and site cut areas.



The material is best described as a silty CLAY, brown, dark brown, slightly moist to moist, high plasticity with gravels and cobbles of a basalt origin.

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:

- Highway trucks / dump trucks
- A watercart
- A sheepsfoot compactor (815)

The sheepsfoot compactor placed material in horizontal loose layers of approximately 250mm-300mm. The compactor also performed compaction of the fill operating in a criss-cross pattern where possible.

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 twelve 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 Type 1 - 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, 1152 Taylors Development 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 1152 Taylors Development Pty Ltd from the 1st of February 2022 to the 8th of March 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 1152 Taylors Development 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 1152 Taylors Development Pty Ltd and for earthworks completed at the time of inspection and testing. Any previous or subsequent earthworks will require a separate evaluation.

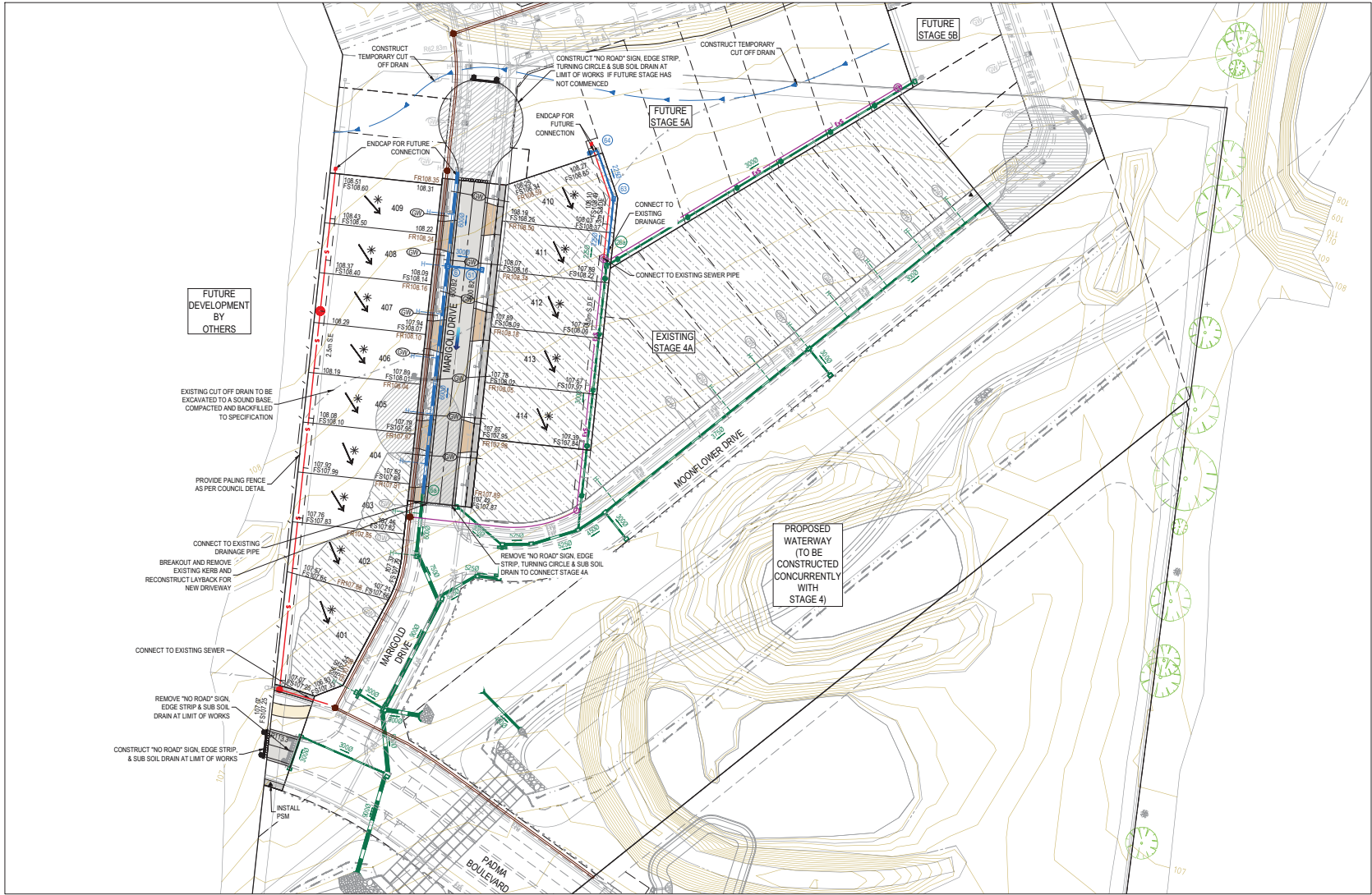
For & on behalf of
Geotechnical Laboratories Pty Ltd.

Sam Loza
Laboratory Manager.



LEVEL ONE
SURVEILLANCE
AND INSPECTION REPORT

APPENDIX A



LEGEND - LAYOUT PLAN
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

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

ROAD LAYOUT TABLE

| ROAD NAME | ROAD CLASSIFICATION | RESERVE WIDTH (m) | ROAD WIDTH (m) | | | | KERB TYPE | | VERGE WIDTH (m) | |
|-------------------------------|---------------------|-------------------|----------------|------------|--------------|--------------|-----------|---------|-----------------|---------|
| | | | LIP TO LIP | INV TO INV | BACK TO BACK | BACK TO BACK | NTHWEST | STHEAST | NTHWEST | STHEAST |
| MARIGOLD DRIVE (LOTS 401-415) | AS | 16.00 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 4.35 | 4.35 | |
| PADMA BOULEVARD | CS | 25.00 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 11.40 | 6.40 | |

SERVICES OFFSET TABLE

| ROAD NAME | GAS | | WATER | | ELECTRICITY | | OPTIC FIBRE | |
|-------------------------------|------------|------------|------------|------------|-------------|------------|-------------|--|
| | OFFSET (m) | OFFSET (m) | OFFSET (m) | OFFSET (m) | OFFSET (m) | OFFSET (m) | OFFSET (m) | |
| MARIGOLD DRIVE (LOTS 401-415) | 2.00 W | 2.50 W | 2.60 E | 1.90 E | | | | |
| PADMA BOULEVARD | 2.00 S | 2.50 S | 2.60 N | 1.90 N | | | | |

| REV | DATE | AMENDMENT / REVISION DESCRIPTION | DRAFTER | DESIGNER | CHECKER | APPROVER |
|-----|----------|----------------------------------|------------|-------------|-------------|--------------|
| A | 21.07.21 | ISSUED FOR APPROVAL | E. IBRAHIM | S. MACLAREN | C. CATHCART | S. SANDERSON |

PLAN OF SUB. NO. PS847502B
PERMIT REF. NO. PA20190504/1

SUBJECT TO APPROVAL

Scale 1:500
Scale as shown at A1

SMC
Member of the Symba Group
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 4B
Melton City Council
Road and Drainage
Layout Plan

MELWAYS REF. 355 G5 PROJECT/DRAWING NO. 3070E-04B-111 SHEET NO. 02 of 13 REVISION A

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



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.: # 2343/119

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 4

| 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) | |
|---------------|-----------|--|---------------------------------------|----------------------------|---------------------------------|--|---------------------------------------|--------------------------|---|--------------------|---------------|-----------------|---------------------------------------|---|
| 1/02/22 | 1 | <i>Refer to #2343/120 for approx. test site locations.</i> | 1.93 | 25.0 | 98.5 | ✘ 1.96 | 25.5 | 175 | 0.5 Drier | 98.0 | 6 | 0 | 0 | |
| 1/02/22 | 2 | | 1.89 | 22.5 | 98.5 | ✘ 1.93 | 25.5 | 175 | 3.0 Drier | 87.5 | 4 | 0 | 0 | |
| 1/02/22 | 3 | | 1.90 | 23.5 | 97.5 | ✘ 1.95 | 24.5 | 175 | 1.0 Drier | 96.0 | 5 | 0 | 0 | |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 12:30pm Finish Time: 1:20pm

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.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

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

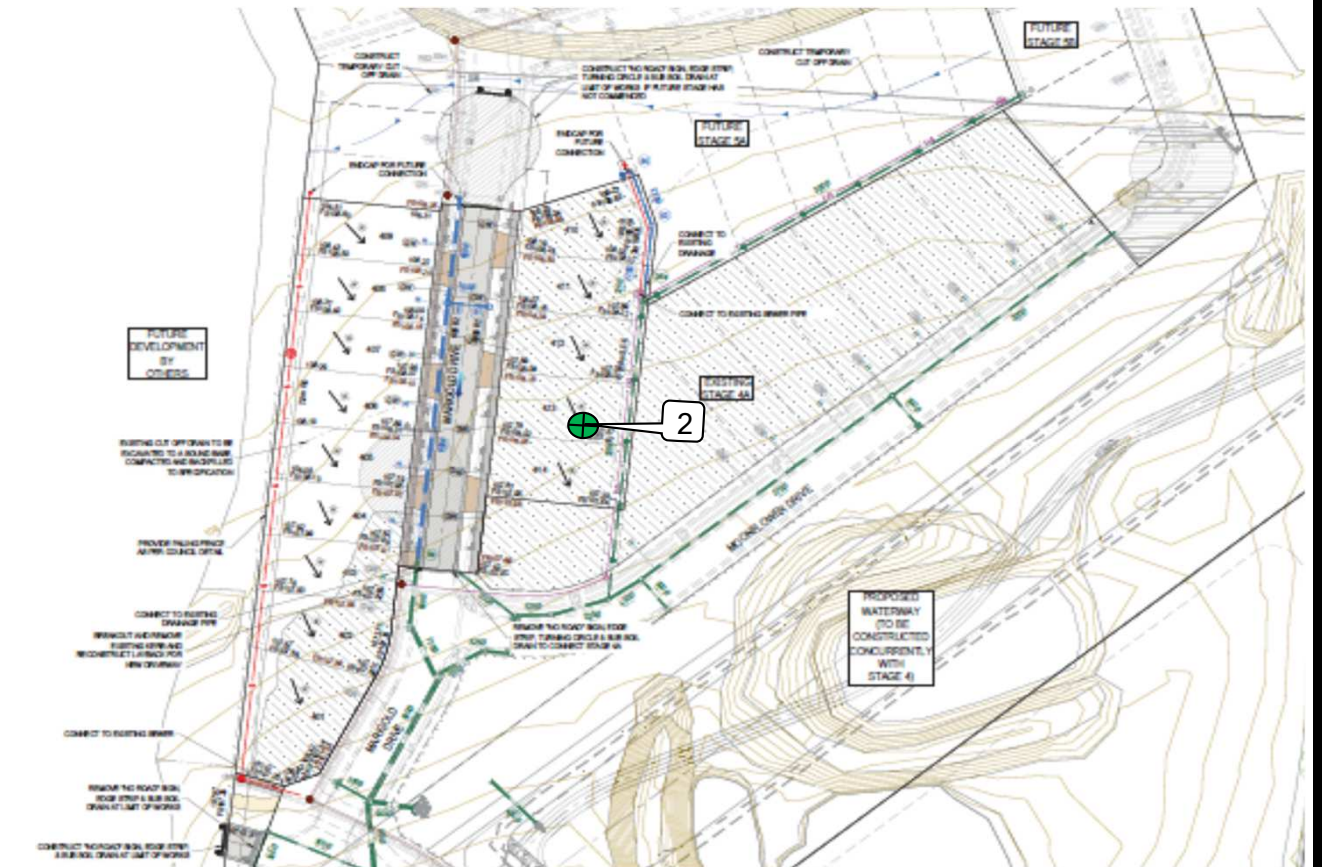
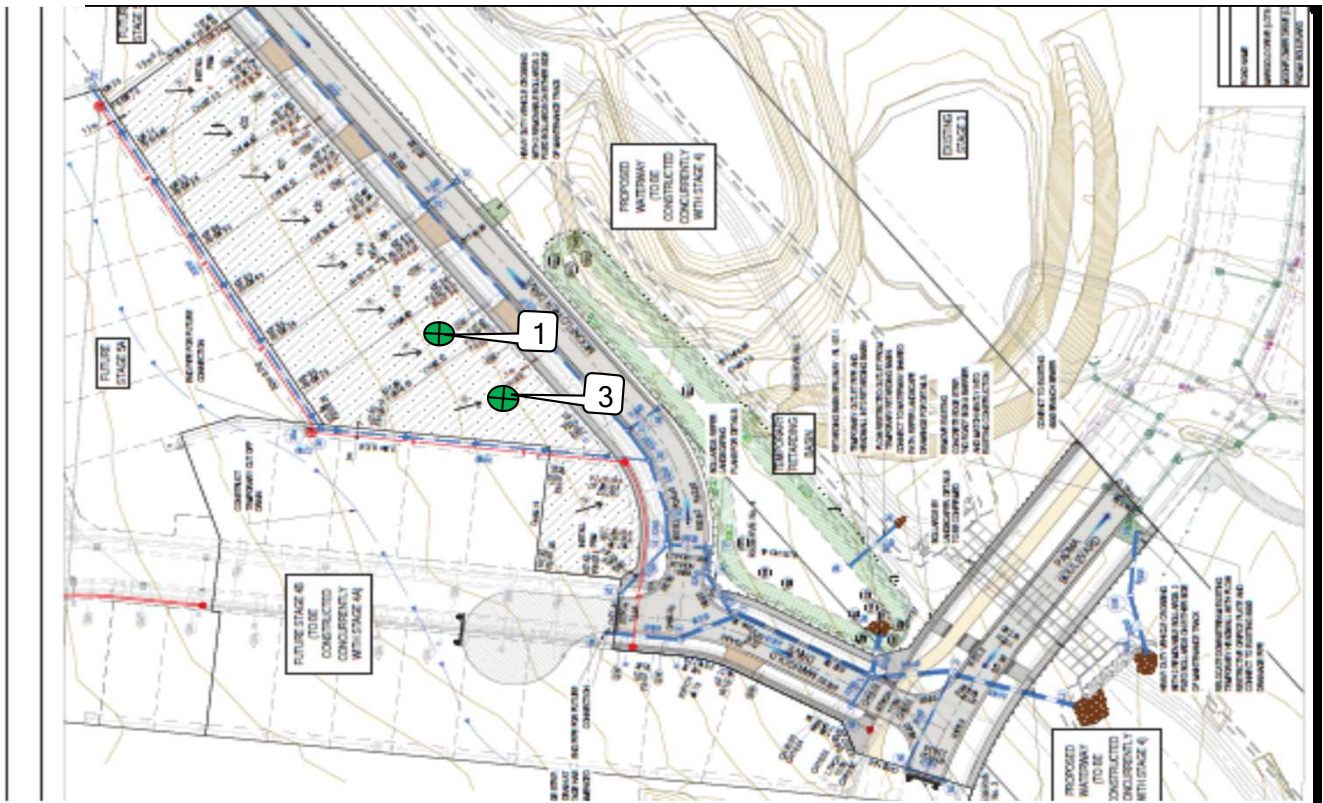


Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accredited Laboratory Number 14561

MICK CROWE
(Approved Signatory)

Issue Date: 3/2/2022



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES

ACN 102 571 077

14 Ravenhall Way, Ravenhall, Vic 3023

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

CLIENT: 1152 TAYLORS DEVELOPMENT

LOCATION: Botania, Plumpton Stage 4

Sketch indicating compaction test locations

DATE: 1/02/2022

OPERATOR: BM

SCALE: NTS

JOB No.: 2343/120

CHECKED: KK

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.: # 2353/121

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 4

| 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) | |
|---------------|-----------|--|---------------------------------------|----------------------------|---------------------------------|--|---------------------------------------|--------------------------|---|--------------------|---------------|-----------------|---------------------------------------|---|
| 2/02/22 | 1 | <i>Refer to #2353/122 for approx. test site locations.</i> | 1.86 | 26.0 | 97.0 | ✘ 1.92 | 27.0 | 175 | 1.0 Drier | 96.5 | 6 | 0 | 0 | |
| 2/02/22 | 2 | | 1.92 | 25.0 | 100.0 | 1.92 | 25.0 | 175 | 0.0 Drier | 100.0 | 0 | 0 | 0 | |
| 2/02/22 | 3 | | 2.00 | 21.5 | 105.5 | 1.89 | 24.5 | 175 | 3.0 Drier | 87.0 | 0 | 0 | 0 | |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 12:40pm Finish Time: 1:10pm

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.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

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

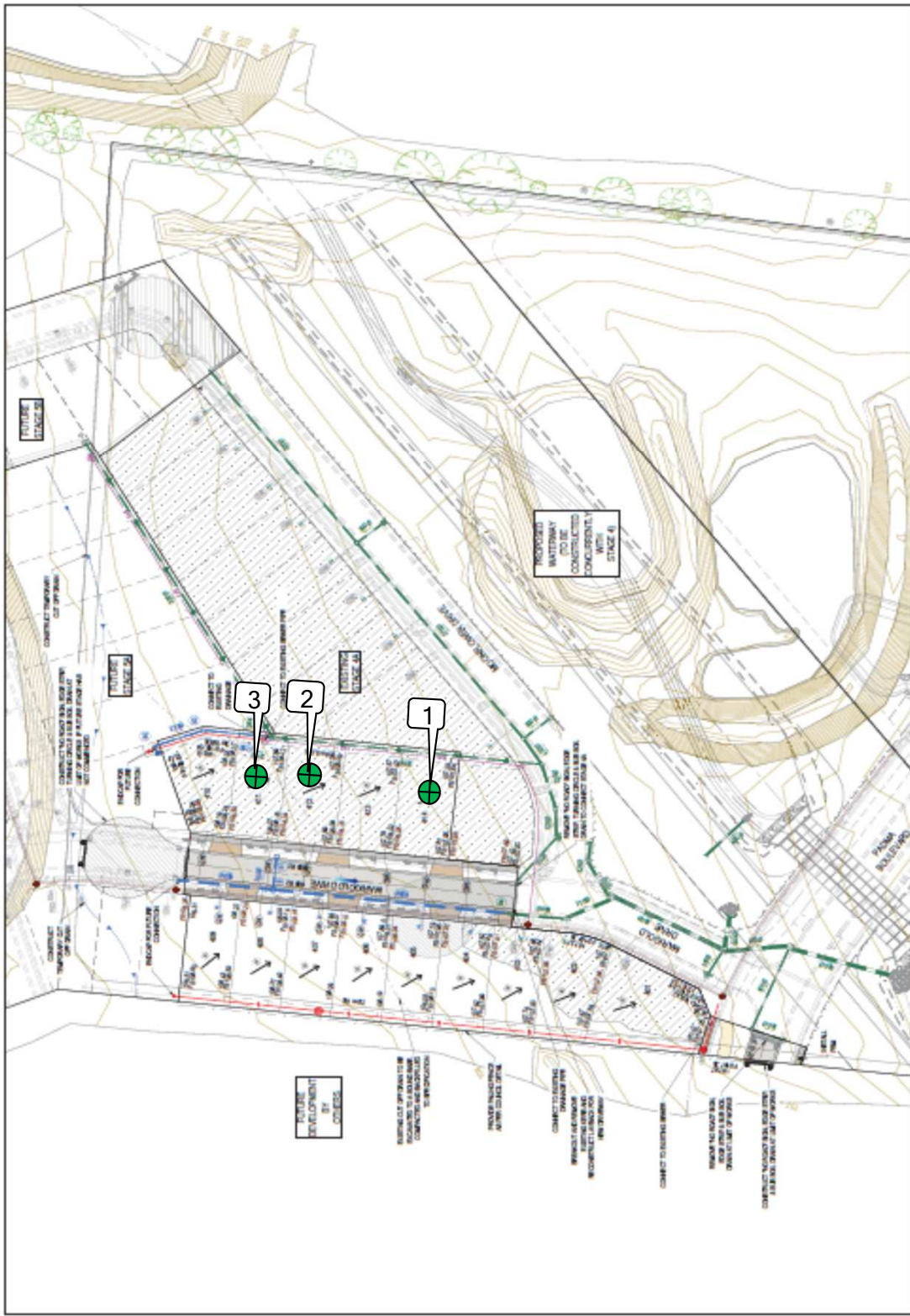


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 17025 - Testing*

NATA Accredited Laboratory Number 14561

MICK CROWE
 (Approved Signatory)

Issue Date: 4/2/2022



| UNITS | | CONVERSION FACTORS | |
|-------|-------------|--------------------|-------------|
| UNIT | DESCRIPTION | UNIT | DESCRIPTION |
| MM | METRE | MM | METRE |
| CM | CENTIMETRE | CM | CENTIMETRE |
| M | METRE | M | METRE |
| KM | KILOMETRE | KM | KILOMETRE |

| UNITS | | CONVERSION FACTORS | |
|-------|-------------|--------------------|-------------|
| UNIT | DESCRIPTION | UNIT | DESCRIPTION |
| MM | METRE | MM | METRE |
| CM | CENTIMETRE | CM | CENTIMETRE |
| M | METRE | M | METRE |
| KM | KILOMETRE | KM | KILOMETRE |



GEOTECHNICAL LABORATORIES

**GEOTECHNICAL LABORATORIES
ACN 102 571 077**

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

CLIENT: 1152 TAYLORS DEVELOPMENT

LOCATION: Botania, Plumpton Stage 4

Sketch indicating compaction test locations

DATE: 2/02/2022

OPERATOR: BM

SCALE: NTS

JOB No.: 2343/122

CHECKED: KK

FIGURE No: -



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.: # 2343/123

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 4

| 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) | |
|---------------|-----------|--|---------------------------------------|----------------------------|---------------------------------|--|---------------------------------------|--------------------------|---|--------------------|---------------|-----------------|---------------------------------------|---|
| 3/02/22 | 1 | <i>Refer to #2343/124 for approx. test site locations.</i> | 1.81 | 28.0 | 96.5 | 1.87 | 28.5 | 175 | 0.5 Drier | 98.0 | 0 | 0 | 0 | |
| 3/02/22 | 2 | | 1.95 | 26.0 | 103.5 | 1.88 | 26.5 | 175 | 0.5 Drier | 99.0 | 0 | 0 | 0 | |
| 3/02/22 | 3 | | 1.89 | 26.0 | 103.5 | 1.83 | 29.0 | 175 | 3.0 Drier | 90.5 | 0 | 0 | 0 | |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 1:00pm 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.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

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)



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NATA Accredited Laboratory Number 14561

MICK CROWE
(Approved Signatory)

Issue Date: 7/2/2022



| UNITS | | CONVERSION FACTORS | |
|----------------|--------------|--------------------|-------------|
| UNIT | DESCRIPTION | UNIT | DESCRIPTION |
| MM | METER | MM | METER |
| CM | CENTIMETER | CM | CENTIMETER |
| M | METER | M | METER |
| KM | KILOMETER | KM | KILOMETER |
| KG | KILOGRAM | KG | KILOGRAM |
| T | TONNE | T | TONNE |
| ML | MILLILITER | L | LITER |
| L | LITER | M ³ | CUBIC METER |
| M ² | SQUARE METER | HA | HECTARE |
| M ³ | CUBIC METER | M ³ | CUBIC METER |

| UNITS | | CONVERSION FACTORS | |
|----------------|--------------|--------------------|-------------|
| UNIT | DESCRIPTION | UNIT | DESCRIPTION |
| MM | METER | MM | METER |
| CM | CENTIMETER | CM | CENTIMETER |
| M | METER | M | METER |
| KM | KILOMETER | KM | KILOMETER |
| KG | KILOGRAM | KG | KILOGRAM |
| T | TONNE | T | TONNE |
| ML | MILLILITER | L | LITER |
| L | LITER | M ³ | CUBIC METER |
| M ² | SQUARE METER | HA | HECTARE |
| M ³ | CUBIC METER | M ³ | CUBIC METER |



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14 Ravenhall Way, Ravenhall, Vic 3023

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

CLIENT: 1152 TAYLORS DEVELOPMENT

LOCATION: Botania, Plumpton Stage 4

Sketch indicating compaction test locations

DATE: 3/02/2022

OPERATOR: PV

SCALE: NTS

JOB No.: 2343/124

CHECKED: KK

FIGURE No: -



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DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 2343/125

LOCATION: 1152 TAYLORS DEVELOPMENT - Botania, Plumpton, Stage 4

| 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) | |
|---------------|-----------|--|---------------------------------------|----------------------------|---------------------------------|--|---------------------------------------|--------------------------|---|--------------------|---------------|-----------------|---------------------------------------|---|
| 7/02/22 | 1 | <i>Refer to #2343/126 for approx. test site locations.</i> | 1.94 | 32.5 | 97.0 | ✘ 2.00 | 28.5 | 175 | 4.0 Wetter | 114.0 | 13 | 0 | 0 | |
| 7/02/22 | 2 | | 1.99 | 26.5 | 101.0 | ✘ 1.96 | 25.5 | 175 | 1.5 Wetter | 105.0 | 11 | 0 | 0 | |
| 7/02/22 | 3 | | 1.93 | 24.0 | 99.0 | ✘ 1.95 | 24.0 | 175 | 0.0 Wetter | 101.0 | 9 | 0 | 0 | |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time: 10:00am 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.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

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

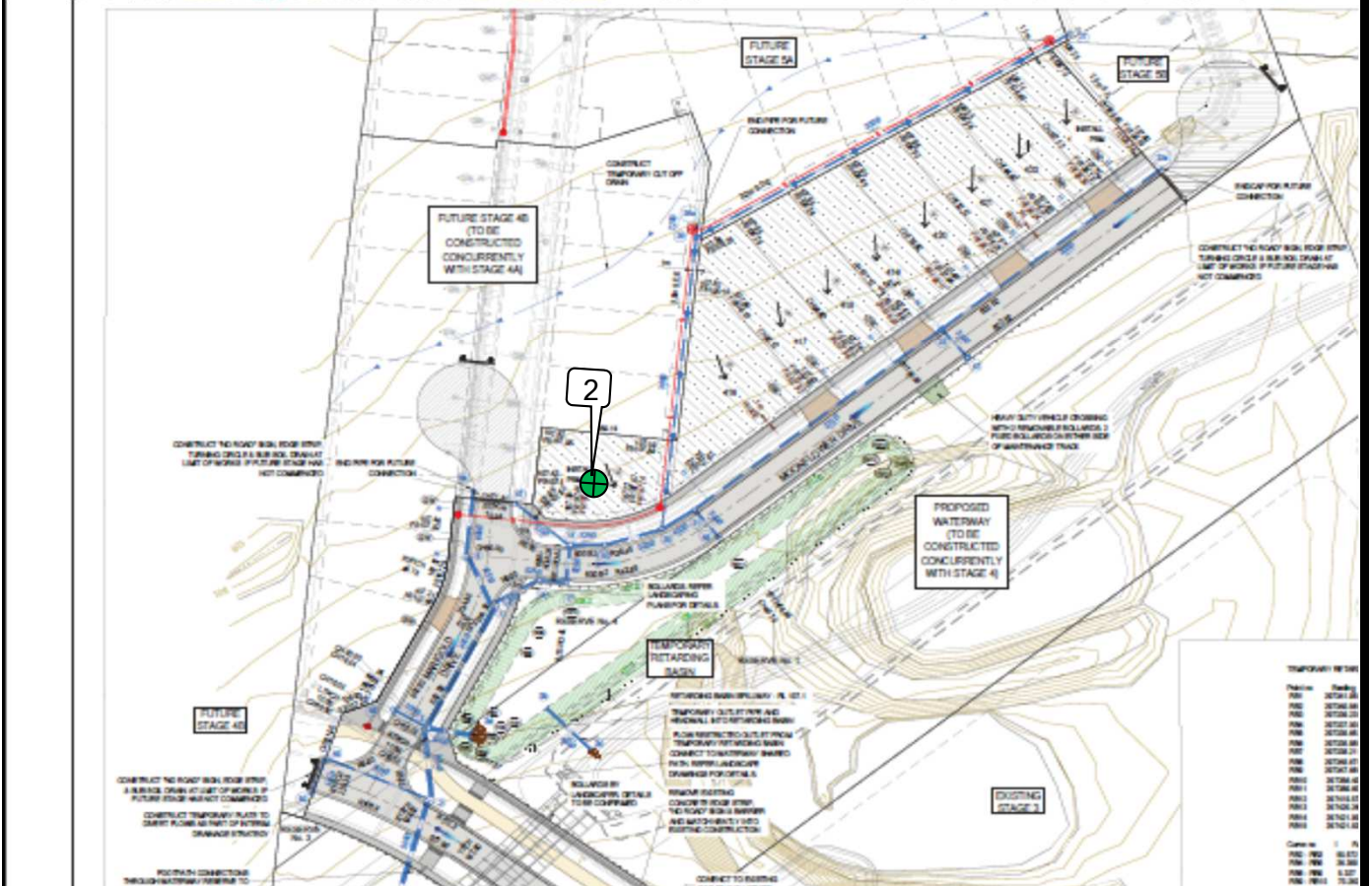
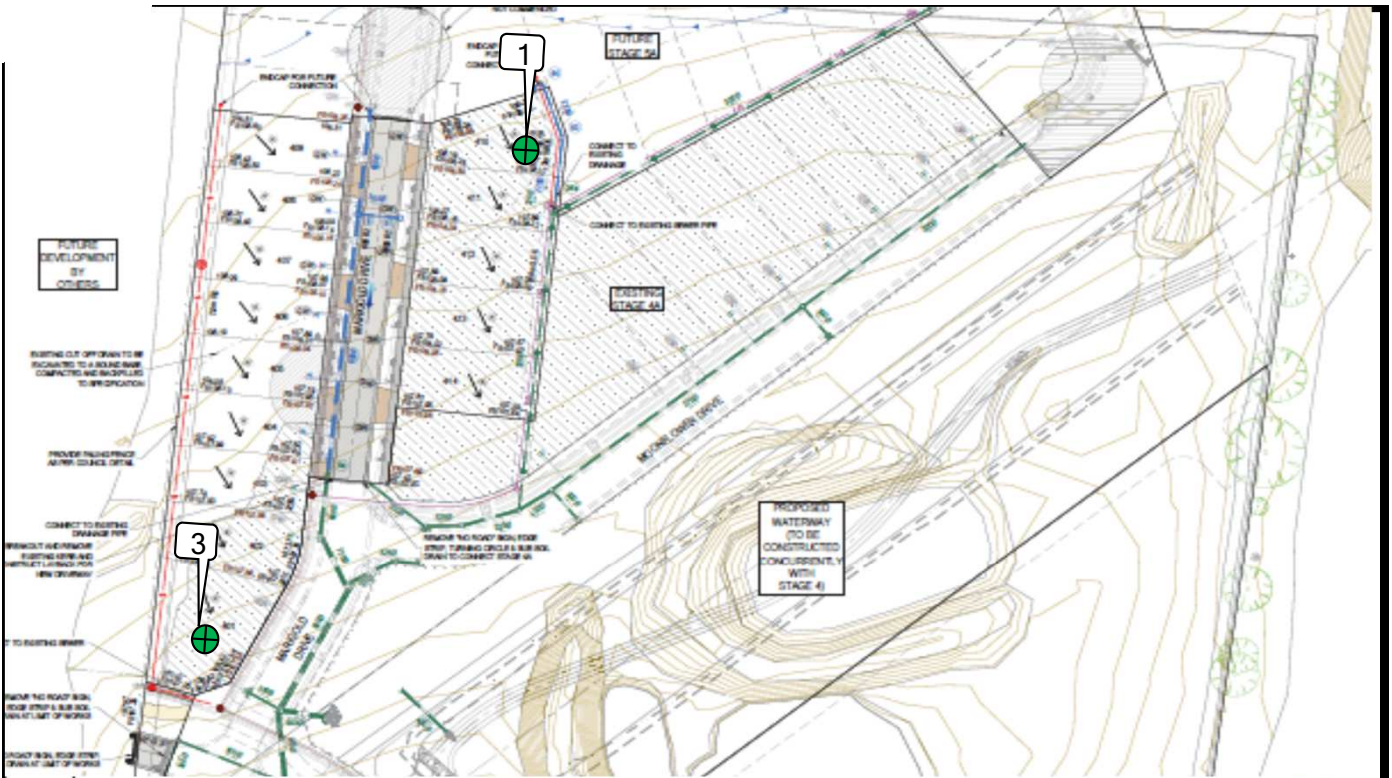


Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accredited Laboratory Number 14561

MICK CROWE
 (Approved Signatory)

Issue Date: 9/2/2022



**GEOTECHNICAL
LABORATORIES**

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14 Ravenhall Way, Ravenhall, Vic 3023

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

CLIENT: 1152 TAYLORS DEVELOPMENT

LOCATION: Botania, Plumpton Stage 4

Sketch indicating compaction test locations

DATE: 7/02/2022

OPERATOR: BM

SCALE: NTS

JOB No.: 2343/126

CHECKED: KK

FIGURE No: -



GEOTECHNICAL LABORATORIES
ACN 102 571 077

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DAILY SUMMARY - FIELD DENSITY TESTS

REPORT NO.: # 2343/129

LOCATION: 1152 TAYLOR'S DEVELOPMENT - Botania Stage 4A,4B

| 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) |
|---------------|-----------|--|---------------------------------------|----------------------------|---------------------------------|--|---------------------------------------|--------------------------|---|--------------------|---------------|-----------------|---------------------------------------|
| 8/03/22 | 1 | <i>Refer to #2343/130 for approx. test site locations.</i> | 1.85 | 22.5 | 95.0 | ✘ 1.95 | 23.0 | 175 | 0.0 Drier | 99.0 | 4 | 0 | 0 |
| 8/03/22 | 2 | | 1.84 | 29.5 | 96.5 | 1.90 | 28.5 | 175 | 1.0 Wetter | 103.5 | 0 | 0 | 0 |
| 8/03/22 | 3 | | 1.85 | 22.0 | 98.0 | 1.89 | 24.5 | 175 | 2.0 Drier | 91.0 | 0 | 0 | 0 |
| 8/03/22 | 4 | | 1.88 | 25.0 | 98.5 | 1.91 | 26.0 | 175 | 1.0 Drier | 97.0 | 0 | 0 | 0 |
| 8/03/22 | 5 | | 1.87 | 22.5 | 97.0 | 1.93 | 24.0 | 175 | 1.0 Drier | 95.0 | 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: 9.30am

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.

Moisture Content: AS 1289 2.1.1

Compaction Test: AS 1289 5.7.1

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

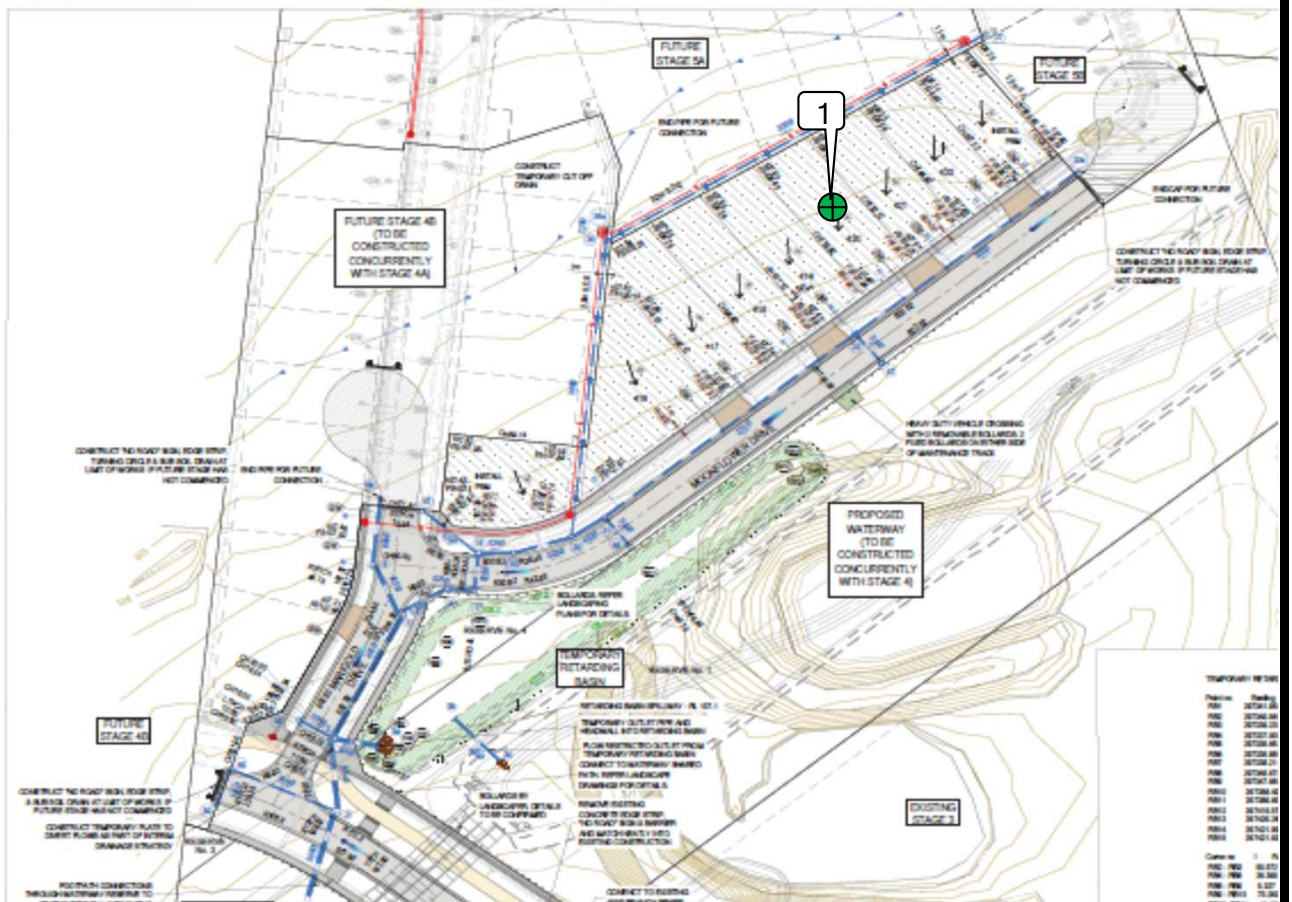
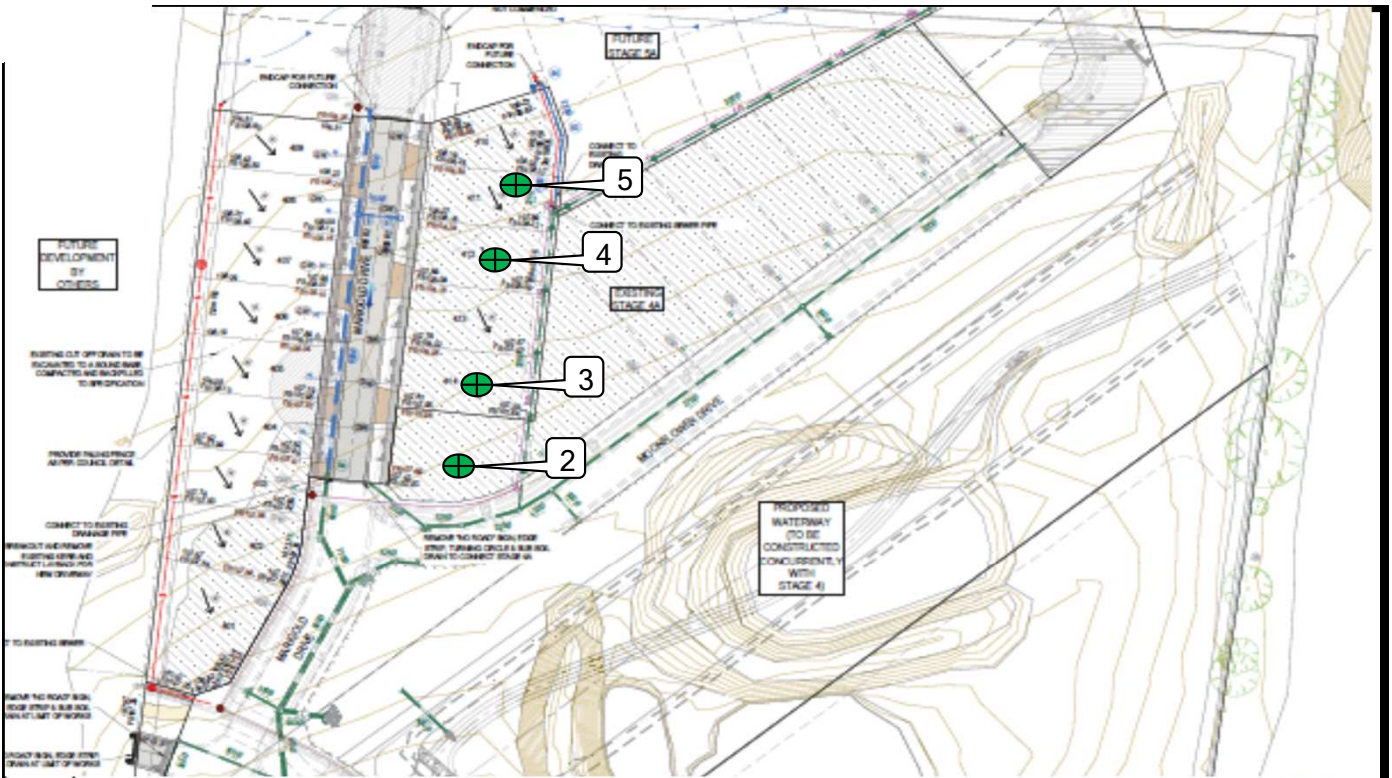


Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accredited Laboratory Number 14561

MICK CROWE
 (Approved Signatory)

Issue Date: 16/3/2022



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