

LEVEL ONE

Reference
No.: 9065-032

SURVEILLANCE

AND INSPECTION REPORT

*Carried Out
By*



PREPARED FOR: -

CIVILWORX CONSTRUCTIONS PTY LTD



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Appendices

Appendix A Construction Drawings

Appendix B Daily Field Compaction Summary Results



Client Name: CivilworX Constructions Pty Ltd

Project Name: Davis Vineyard Stage 4

Date: 22nd of September 2023

Author: Mr. Sam Loza

Reference No.: 9065-032

Revision: 0

Project Manager: Mr. Dom Modric

1. Introduction & Scope

At the request of CivilworX Constructions Pty Ltd, Geotechnical Laboratories has carried out inspections and testing of the above-mentioned site from the 24th of March 2023 to the 18th of September 2023 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 CivilworX Constructions Pty Ltd and was used to determine compliance of earthworks in conjunction with the requirements of AS 3798 – 2007 (See Appendix A).

(1). Site Layout Plan (Sheet 1 of 2) Project Ref. 1600059, Drawing Number 010 (Rev B).

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

2. Site Preparation

A site inspection was undertaken on the 13th of February 2023 confirming that selected areas to be filled were completely stripped of topsoil. The brown silty topsoils had been stockpiled around the site for later removal off-site. The existing swale drains were desludged, and a firm clean base was confirmed.

Proof roll inspections were performed to ensure no significant soft areas were present prior to filling.

3. Fill Material

The fill material used was sourced from on-site excavations, mainly road boxing and service trenches.



The fill material is best described a silty CLAY, brown, pale brown, slightly moist to moist, medium to high plasticity with basalt gravels and occasional 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:

- Highway trucks
- A grader
- A watercart
- A padfoot roller

The grader placed material in horizontal loose layers of approximately 250mm-300mm. The pad foot roller 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 thirty-three 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 and Concentrated 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.

All 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, CivilworX 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 CivilworX Constructions Pty Ltd from the 24th of March 2023 to the 18th of September 2023 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 CivilworX 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 CivilworX Constructions Pty Ltd and for earthworks completed at the time of inspection and testing. Any previous or subsequent earthworks will require a separate evaluation.

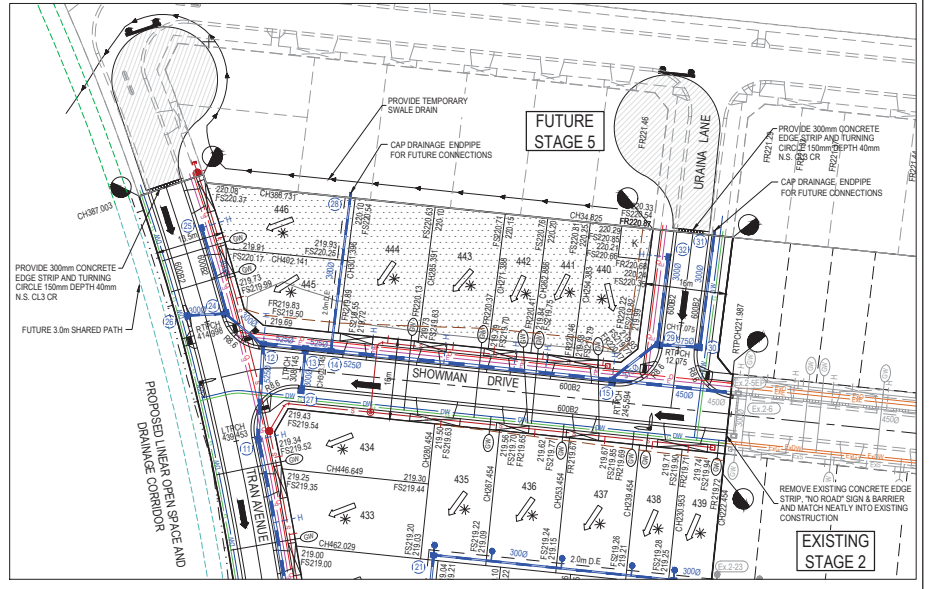
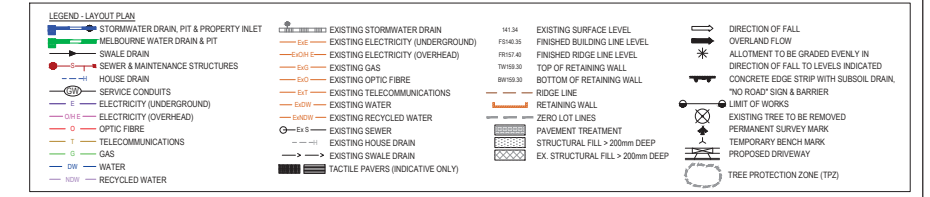
For & on behalf of
Geotechnical Laboratories Pty Ltd.

Sam Loza
Laboratory Manager



LEVEL ONE
SURVEILLANCE
AND INSPECTION REPORT

APPENDIX A



FOR CONTINUATION REFER ABOVE LEFT

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 | | Nth/West | St/East | Nth/West | St/East | | |
| TRAN AVENUE | ACCESS STREET 1 | 13.50 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 2.00 | 4.20 | | | |
| SHOWMAN DRIVE | ACCESS STREET 1 | 16.00 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 4.35 | 4.35 | | | |
| URANA LANE | ACCESS STREET 1 | 16.00 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 4.35 | 4.35 | | | |
| FERNSIDE DRIVE | ACCESS STREET 1 | 16.00 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 4.20 | 4.50 | | | |
| NODE WAY | ACCESS STREET 1 | 13.50 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 2.00 | 4.20 | | | |
| GARDENVIEW DRIVE (16.00m) | ACCESS STREET 1 | 16.00 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 4.20 | 4.50 | | | |
| GARDENVIEW DRIVE (13.50m) | ACCESS STREET 1 | 13.50 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 2.00 | 4.20 | | | |
| MAN DRIVE | ACCESS STREET 1 | 16.00 | 6.40 | 7.30 | 7.60 | 600 B2 | 600 B2 | 4.20 | 4.50 | | | |

SERVICE OFFSET TABLE

| Location | Side | Gas | | Water | | Electricity | | Telecommunication | | Sewer | |
|--------------------------|------|------------|------|------------|------|-------------|------|-------------------|------|------------|------|
| | | Offset (m) | Side | Offset (m) | Side | Offset (m) | Side | Offset (m) | Side | Offset (m) | Side |
| TRAN AVENUE | W | 0.50 | W | 1.00 | E | 2.60 | E | 1.90 | E | 1.00 | N |
| SHOWMAN DRIVE | S | 2.10 | S | 2.60 | N | 2.60 | N | 1.90 | NS | 1.00 | NS |
| URANA LANE | E | 2.10 | E | 2.60 | W | 2.60 | W | 1.90 | - | - | - |
| FERNSIDE DRIVE | S | 2.10 | S | 2.60 | N | 2.60 | N | 1.90 | NS | 1.00 | NS |
| NODE WAY | N | 0.50 | N | 1.00 | S | 2.60 | S | 1.90 | S | 1.00 | S |
| GARDENVIEW DRIVE (16.0m) | S | 2.10 | S | 2.60 | N | 2.60 | N | 1.90 | NS | 1.00 | NS |
| GARDENVIEW DRIVE (13.5m) | W | 0.50 | W | 1.00 | E | 2.60 | E | 1.90 | E | 1.00 | E |
| MAN DRIVE | E | 2.10 | E | 2.60 | W | 2.60 | W | 1.90 | W | 1.00 | W |

NOTE:
REFER COUNCIL STD. DWG. MIC 305 & 307 FOR ISLAND DETAIL - S10
MIC 308 FOR ISLAND DETAIL - S13 ON 90° BENDS
MIC 501 FOR SINGLE VEHICLE CROSSING
MIC 503 FOR DOUBLE VEHICLE CROSSING
MIC 504 FOR INDUSTRIAL VEHICLE CROSSING

- NOTES**
- ALL SERVICES SHOWN ARE PRELIMINARY AND SUBJECT TO AUTHORITY ADVICE & DETAILED DESIGN.
 - EXISTING SERVICES SHOWN ARE INDICATIVE ONLY AND TO BE VERIFIED PRIOR TO DEVELOPMENT AND CONSTRUCTION.
 - ALL EXISTING SERVICES UNDER NEW PAVEMENTS AND CONCRETE WORKS TO BE FOR BACKFILLED, UNLESS OTHERWISE SPECIFIED.
 - ALL EXISTING DRAINAGE PITS AND SEWER MH WITHIN NEW WORKS TO BE ADJUSTED TO NEATLY MATCH NEW FINISH SURFACE.
 - ALL EXISTING OPEN DRAINS WITHIN NEW WORKS TO BE CLEANED, DE-SLUDGED AND BACKFILLED TO LEVEL 1 SUPERVISION.

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

ISSUED FOR CONSTRUCTION

FOR CONTINUATION REFER 1600059-04-011

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| REV | DESCRIPTION | DATE | DWN | APP | REV | DESCRIPTION | DATE | DWN | APP |
|-----|-------------------------|----------|------|------|-----|-------------|------|-----|-----|
| B | ROAD NAME AMENDED | 03.06.22 | D.Z. | R.W. | | | | | |
| A | ISSUED FOR CONSTRUCTION | 14.01.22 | D.Z. | R.W. | | | | | |
| H | ISSUED FOR INFORMATION | 28.02.21 | D.Z. | R.W. | | | | | |

Designed by: D. ZHANG 26.02.2021
Drawn by: D. ZHANG
Approved by: R. WICKETT 28.10.2021
Date: 28.10.2021
P/S Number: 829574B/54

BW Beveridge Williams
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details: DAVIS VINEYARD PRECINCT 1 - STAGE 4 AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON

Drawing Title: LAYOUT PLAN (SHEET 1 OF 2)

Sheet 04 of 27
Scale: 1:500 @ A1
Project Ref: 1600059 04 010 B



LEVEL ONE
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APPENDIX B

LEGEND

EXISTING UTILITIES

- 100mm PVC WATER MAIN
- 150mm PVC WATER MAIN
- 200mm PVC WATER MAIN
- 300mm PVC WATER MAIN
- 450mm PVC WATER MAIN
- 600mm PVC WATER MAIN
- 100mm PVC SANITARY MAIN
- 150mm PVC SANITARY MAIN
- 200mm PVC SANITARY MAIN
- 300mm PVC SANITARY MAIN
- 450mm PVC SANITARY MAIN
- 600mm PVC SANITARY MAIN
- 100mm PVC GAS MAIN
- 150mm PVC GAS MAIN
- 200mm PVC GAS MAIN
- 300mm PVC GAS MAIN
- 450mm PVC GAS MAIN
- 600mm PVC GAS MAIN
- 100mm PVC ELECTRIC MAIN
- 150mm PVC ELECTRIC MAIN
- 200mm PVC ELECTRIC MAIN
- 300mm PVC ELECTRIC MAIN
- 450mm PVC ELECTRIC MAIN
- 600mm PVC ELECTRIC MAIN
- 100mm PVC TELEPHONE MAIN
- 150mm PVC TELEPHONE MAIN
- 200mm PVC TELEPHONE MAIN
- 300mm PVC TELEPHONE MAIN
- 450mm PVC TELEPHONE MAIN
- 600mm PVC TELEPHONE MAIN

PROPOSED UTILITIES

- 100mm PVC WATER MAIN
- 150mm PVC WATER MAIN
- 200mm PVC WATER MAIN
- 300mm PVC WATER MAIN
- 450mm PVC WATER MAIN
- 600mm PVC WATER MAIN
- 100mm PVC SANITARY MAIN
- 150mm PVC SANITARY MAIN
- 200mm PVC SANITARY MAIN
- 300mm PVC SANITARY MAIN
- 450mm PVC SANITARY MAIN
- 600mm PVC SANITARY MAIN
- 100mm PVC GAS MAIN
- 150mm PVC GAS MAIN
- 200mm PVC GAS MAIN
- 300mm PVC GAS MAIN
- 450mm PVC GAS MAIN
- 600mm PVC GAS MAIN
- 100mm PVC ELECTRIC MAIN
- 150mm PVC ELECTRIC MAIN
- 200mm PVC ELECTRIC MAIN
- 300mm PVC ELECTRIC MAIN
- 450mm PVC ELECTRIC MAIN
- 600mm PVC ELECTRIC MAIN
- 100mm PVC TELEPHONE MAIN
- 150mm PVC TELEPHONE MAIN
- 200mm PVC TELEPHONE MAIN
- 300mm PVC TELEPHONE MAIN
- 450mm PVC TELEPHONE MAIN
- 600mm PVC TELEPHONE MAIN

PROPOSED ROADWORK

- 100mm ASPHALT
- 150mm ASPHALT
- 200mm ASPHALT
- 300mm ASPHALT
- 450mm ASPHALT
- 600mm ASPHALT
- 100mm CONCRETE
- 150mm CONCRETE
- 200mm CONCRETE
- 300mm CONCRETE
- 450mm CONCRETE
- 600mm CONCRETE

PROPOSED LANDSCAPE

- 100mm GRASS
- 150mm GRASS
- 200mm GRASS
- 300mm GRASS
- 450mm GRASS
- 600mm GRASS



NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY AND OTHER RELEVANT AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY AND OTHER RELEVANT AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY AND OTHER RELEVANT AGENCIES.

FOR CONTRACTOR REFERENCE LIST

| Item No. | Item Description | Quantity | Unit | Value |
|----------|------------------|----------|----------------|-------|
| 1 | Excavation | 1000 | m ³ | 10000 |
| 2 | Backfill | 1000 | m ³ | 10000 |
| 3 | Compaction | 1000 | m ² | 10000 |
| 4 | Gravel | 1000 | m ³ | 10000 |
| 5 | Concrete | 1000 | m ³ | 10000 |
| 6 | Asphalt | 1000 | m ² | 10000 |
| 7 | Grass | 1000 | m ² | 10000 |
| 8 | Labour | 1000 | hrs | 10000 |
| 9 | Materials | 1000 | kg | 10000 |
| 10 | Transport | 1000 | km | 10000 |

ISSUED FOR CONSTRUCTION

Sheet 04 of 27

1:300 @ A1

16:00:30 04 0:10 B



GEOTECHNICAL LABORATORIES

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

CLIENT: CIVILWORX
LOCATION: Davis Vineyard, Stage 4
Sketch indicating compaction test locations

DATE: 24/03/2023
OPERATOR: DB
SCALE: NTS
JOB No.: 9065/006
CHECKED: NF
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.: # 9065/002

LOCATION: CIVILWORX - Davis Vineyard, Stage 4, Diggers Rest

| 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) | |
|---------------|-----------|--|---------------------------------------|----------------------------|---------------------------------|--|---------------------------------------|--------------------------|---|--------------------|---------------|-----------------|---------------------------------------|---|
| 25/03/23 | 5 | <i>Refer to #9065/003 for approx. test site locations.</i> | 1.95 | 24.5 | 98.0 | ✘ 1.99 | 23.5 | 175 | 1.0 Wetter | 105.5 | 9 | 0 | 0 | |
| 25/03/23 | 6 | | 2.00 | 26.5 | 101.0 | ✘ 1.97 | 26.5 | 175 | 0.0 Drier | 100.0 | 7 | 0 | 0 | |
| 25/03/23 | 7 | | 1.96 | 25.5 | 96.5 | ✘ 2.03 | 25.5 | 175 | 0.5 Wetter | 101.0 | 14 | 0 | 0 | |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |

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: 9.55AM

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: 3/4/2023



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.: # 9065/008

LOCATION: CIVILWORX - Davis Vineyard Stage 4 - Diggers Rest

| 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) | |
|---------------|-----------|--|---------------------------------------|----------------------------|---------------------------------|--|---------------------------------------|--------------------------|---|--------------------|---------------|-----------------|---------------------------------------|---|
| 27/03/23 | 8 | <i>Refer to #9065/009 for approx. test site locations.</i> | 1.93 | 23.5 | 95.0 | ✘ 2.03 | 21.5 | 175 | 2.0 Wetter | 109.0 | 6 | 0 | 0 | |
| 27/03/23 | 9 | | 2.01 | 22.0 | 98.0 | ✘ 2.04 | 21.5 | 175 | 0.5 Wetter | 103.5 | 12 | 0 | 0 | |
| 27/03/23 | 10 | | 1.90 | 20.5 | 95.5 | ✘ 1.99 | 19.5 | 175 | 0.5 Wetter | 103.5 | 6 | 0 | 0 | |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - | - |

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time:10.55AM 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.

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: 5/4/2023



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.: # 9065/012

LOCATION: CIVILWORX - Davis Vineyard Stage 4, Diggers Rest

| 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) |
|---------------|-----------|--|---------------------------------------|----------------------------|---------------------------------|--|---------------------------------------|--------------------------|---|--------------------|---------------|-----------------|---------------------------------------|
| 28/03/23 | 11 | <i>Refer to #9065/013 for approx. test site locations.</i> | 2.03 | 24.5 | 99.5 | ✘ 2.03 | 24.0 | 175 | 0.5 Wetter | 102.0 | 6 | 0 | 200 |
| 28/03/23 | 12 | | 1.99 | 24.0 | 98.5 | ✘ 2.02 | 23.0 | 175 | 1.0 Wetter | 104.5 | 11 | 0 | 200 |
| 28/03/23 | 13 | | 2.05 | 25.5 | 99.5 | ✘ 2.06 | 24.0 | 175 | 2.0 Wetter | 107.5 | 16 | 0 | 0 |
| - | - | | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - |
| - | - | | - | - | - | - | - | - | - | - | - | - | - |

NOTES: Clayey Fill Ex. Onsite

Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.

Start Time:1.30PM Finish Time:2.05PM

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: 5/4/2023



NOTE: THE CLIENT HAS ADVISED THAT THE SOILS IN THIS AREA ARE OF A HIGHLY VARIABLE NATURE AND THAT THE RESULTS OF THE TESTS WILL BE USED TO DETERMINE THE APPROPRIATE FOUNDATION DESIGN AND CONSTRUCTION METHODS.

WARNING: THE CLIENT HAS ADVISED THAT THE SOILS IN THIS AREA ARE OF A HIGHLY VARIABLE NATURE AND THAT THE RESULTS OF THE TESTS WILL BE USED TO DETERMINE THE APPROPRIATE FOUNDATION DESIGN AND CONSTRUCTION METHODS.

FOR CONSTRUCTION

ISSUED: 16/03/23

Sheet 04 of 27

Scale: 1:300 @ A1

Date: 16/03/23

Time: 04:00

BY: B



FOR CONTINUED INFORMATION LIST

| Item No. | Item Description | Quantity | Unit | Value |
|----------|------------------|----------|------|-------|
| 1 | ... | ... | ... | ... |
| 2 | ... | ... | ... | ... |
| 3 | ... | ... | ... | ... |
| 4 | ... | ... | ... | ... |
| 5 | ... | ... | ... | ... |
| 6 | ... | ... | ... | ... |
| 7 | ... | ... | ... | ... |
| 8 | ... | ... | ... | ... |
| 9 | ... | ... | ... | ... |
| 10 | ... | ... | ... | ... |
| 11 | ... | ... | ... | ... |
| 12 | ... | ... | ... | ... |
| 13 | ... | ... | ... | ... |
| 14 | ... | ... | ... | ... |
| 15 | ... | ... | ... | ... |
| 16 | ... | ... | ... | ... |
| 17 | ... | ... | ... | ... |
| 18 | ... | ... | ... | ... |
| 19 | ... | ... | ... | ... |
| 20 | ... | ... | ... | ... |
| 21 | ... | ... | ... | ... |
| 22 | ... | ... | ... | ... |
| 23 | ... | ... | ... | ... |
| 24 | ... | ... | ... | ... |
| 25 | ... | ... | ... | ... |
| 26 | ... | ... | ... | ... |
| 27 | ... | ... | ... | ... |
| 28 | ... | ... | ... | ... |
| 29 | ... | ... | ... | ... |
| 30 | ... | ... | ... | ... |
| 31 | ... | ... | ... | ... |
| 32 | ... | ... | ... | ... |
| 33 | ... | ... | ... | ... |
| 34 | ... | ... | ... | ... |
| 35 | ... | ... | ... | ... |
| 36 | ... | ... | ... | ... |
| 37 | ... | ... | ... | ... |
| 38 | ... | ... | ... | ... |
| 39 | ... | ... | ... | ... |
| 40 | ... | ... | ... | ... |
| 41 | ... | ... | ... | ... |
| 42 | ... | ... | ... | ... |
| 43 | ... | ... | ... | ... |
| 44 | ... | ... | ... | ... |
| 45 | ... | ... | ... | ... |
| 46 | ... | ... | ... | ... |
| 47 | ... | ... | ... | ... |
| 48 | ... | ... | ... | ... |
| 49 | ... | ... | ... | ... |
| 50 | ... | ... | ... | ... |

FOR CONTINUED INFORMATION LIST

| Item No. | Item Description | Quantity | Unit | Value |
|----------|------------------|----------|------|-------|
| 1 | ... | ... | ... | ... |
| 2 | ... | ... | ... | ... |
| 3 | ... | ... | ... | ... |
| 4 | ... | ... | ... | ... |
| 5 | ... | ... | ... | ... |
| 6 | ... | ... | ... | ... |
| 7 | ... | ... | ... | ... |
| 8 | ... | ... | ... | ... |
| 9 | ... | ... | ... | ... |
| 10 | ... | ... | ... | ... |
| 11 | ... | ... | ... | ... |
| 12 | ... | ... | ... | ... |
| 13 | ... | ... | ... | ... |
| 14 | ... | ... | ... | ... |
| 15 | ... | ... | ... | ... |
| 16 | ... | ... | ... | ... |
| 17 | ... | ... | ... | ... |
| 18 | ... | ... | ... | ... |
| 19 | ... | ... | ... | ... |
| 20 | ... | ... | ... | ... |
| 21 | ... | ... | ... | ... |
| 22 | ... | ... | ... | ... |
| 23 | ... | ... | ... | ... |
| 24 | ... | ... | ... | ... |
| 25 | ... | ... | ... | ... |
| 26 | ... | ... | ... | ... |
| 27 | ... | ... | ... | ... |
| 28 | ... | ... | ... | ... |
| 29 | ... | ... | ... | ... |
| 30 | ... | ... | ... | ... |
| 31 | ... | ... | ... | ... |
| 32 | ... | ... | ... | ... |
| 33 | ... | ... | ... | ... |
| 34 | ... | ... | ... | ... |
| 35 | ... | ... | ... | ... |
| 36 | ... | ... | ... | ... |
| 37 | ... | ... | ... | ... |
| 38 | ... | ... | ... | ... |
| 39 | ... | ... | ... | ... |
| 40 | ... | ... | ... | ... |
| 41 | ... | ... | ... | ... |
| 42 | ... | ... | ... | ... |
| 43 | ... | ... | ... | ... |
| 44 | ... | ... | ... | ... |
| 45 | ... | ... | ... | ... |
| 46 | ... | ... | ... | ... |
| 47 | ... | ... | ... | ... |
| 48 | ... | ... | ... | ... |
| 49 | ... | ... | ... | ... |
| 50 | ... | ... | ... | ... |



GEOTECHNICAL LABORATORIES

GEOTECHNICAL LABORATORIES
ACN 102 571 077

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

CLIENT: CIVILWORX

DATE: 28/03/2023

JOB No.: 9065/013

LOCATION: Davis Vineyard, Stage 4

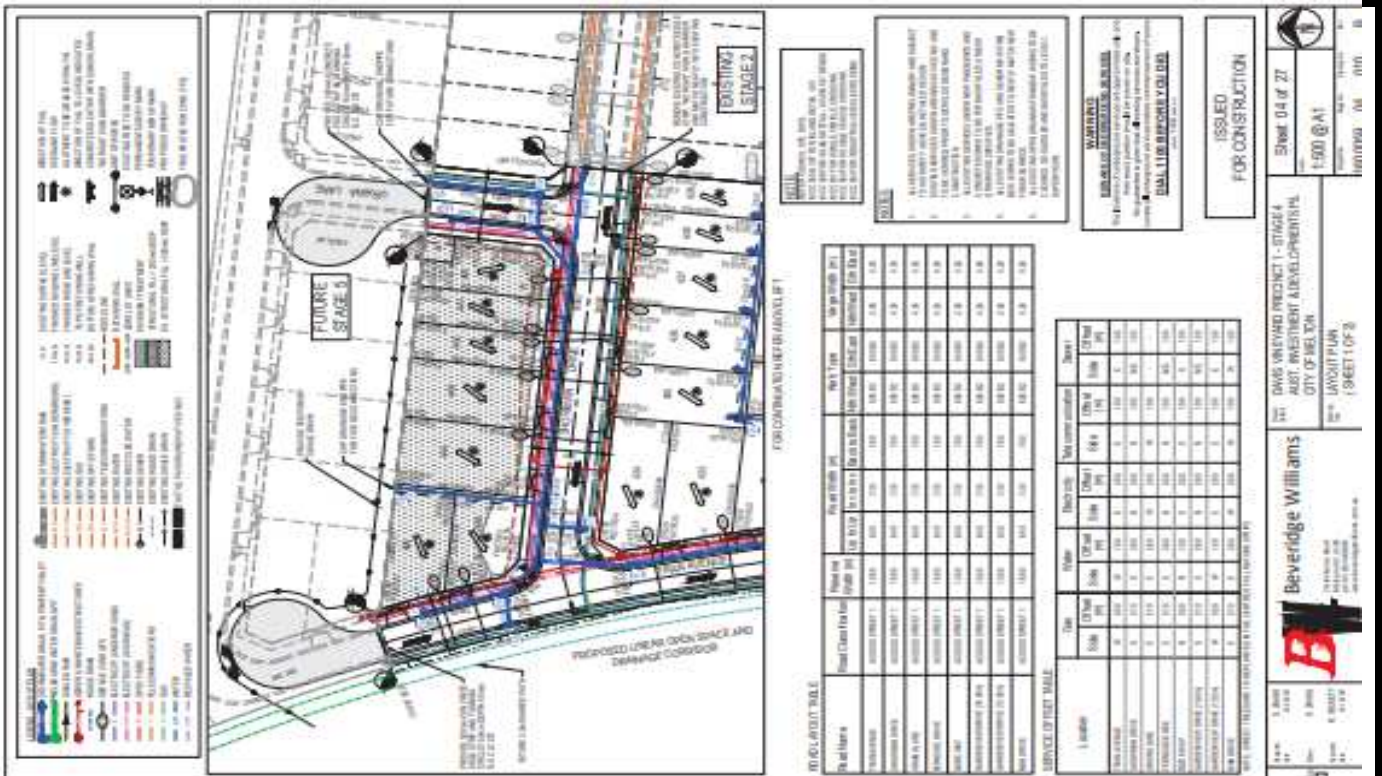
OPERATOR: OK

CHECKED: MU

Sketch indicating compaction test locations

SCALE: NTS

FIGURE No: -



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CLIENT: CIVILWORX
LOCATION: Davis Vineyard, Stage 4
Sketch indicating compaction test locations

DATE: 18/09/2023
OPERATOR: SA
SCALE: NTS

JOB No.: 9065/030
CHECKED: KK
FIGURE No: -