

**A LEVEL 1 REPORT**

**ON THE FILLING**

**AT**

**HONOUR VILLAGE ESTATE**

**STAGE 8**

**CLYDE NORTH**

**2210348-100**

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APPENDIX A

TEST REPORTS & PLANS

**REPORT No** : 2210348-100

**CLIENT** : Todd Hyland  
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c/- Australand Residential No 156 Pty Ltd  
PO Box 3307  
Rhodes NSW 2138

**AUTHORIZED BY** : Mr Todd Hyland

**PROJECT LOCATION** : Honour Village Estate – Stage 8, CLYDE NORTH

**COMMISSION** : Carry out all appropriate inspections and testing at the site to ensure that the fill is placed in accordance with the project specifications. At the end of the works, compile a report – LEVEL ONE TYPE REPORT AS PER SECTION 8 OF AS3798 – setting out the findings of all inspections, instructions issued and test results, including any failure results and what action was taken to rectify any failure.

**1. SITE DESCRIPTION:**

Stripping and placement of compacted fill in Stage 8.

**2. PREVIOUS GEOTECHNICAL INVESTIGATIONS ON THE SITE:**

Not Supplied

**3. DOCUMENTS SUPPLIED:**

Reeds Consulting - Site Plan - Ref: 22344P, Version N

**4. SITE PREPARATION REQUIREMENTS:**

**4.1 Site Stripping Requirements**

Fill area to be stripped of vegetation and topsoil prior to filling.

**4.2 Subgrade Assessment Requirements**

Any soft, weak or unstable areas of subgrade exposed to be removed.

**5. REQUIREMENTS FOR THE PLACEMENT OF COMPACTED EARTH FILL:**

**5.1 Layer Thickness**

Fill shall be placed in 300mm compacted layers.

**5.2 Density Requirements**

95% Standard compaction

**5.3 Moisture Content Requirements**

No moisture requirements specified.

**5.4 Type of Tests Required**

Compaction (AS1289 5.7.1 & 2.1.1)

**5.5 Number of Test Required**

Compaction: Minimum of 1 test per 500m<sup>3</sup>.

**6. THE PERIOD OVER WHICH THE WORK WAS CARRIED OUT**

Inspections and testing of the project was carried out between 01/10/2019 to 27/08/2021.

**7. EQUIPMENT USED:**

Excavator  
Pad Foot Roller  
Compactor  
Dump Truck  
Water Cart

**8. EARTHWORKS SUMMARY:**

**8.1 Description of Earthworks Undertaken**

Fill area was backfilled and compacted with onsite Pad Foot Roller or Compactor in 300mm layers.

**8.2 Observation of Stripping and Site Preparation**

Fill areas observed were excavated to the naturally occurring silty CLAY prior to the placement of fill.

**8.3 Observation of Fill Materials**

The fill material was a site derived silty CLAY

**8.4 Tests Carried Out**

A total of 4 compaction tests (Hilf Rapid Method) were undertaken on the compacted earth fill of which no test failed to achieve the specified compaction requirements.

**8.5 Results of Testing**

The compaction results show that compacted fill was placed and compacted at a density between 99.0% and 100.5% of AS1289 5.7.1 Standard Compaction.

**9. CONCLUSION:**

Civiltest carried out supervision, inspections and testing on this project in a manner that would allow this level one type report to be completed as set out in Section 8 of AS3798 "Guidelines on earthworks for commercial and residential developments".

With the observations made during the works and the results of tests carried out, it has been concluded, as far as can be determined, that the contractor Bayport Civil Pty Ltd has met the requirements of the project.



**Phil Morgans**  
**CIVILTEST PTY LTD**

15 June 2022

**REF:** PM/ik

# **APPENDIX A**

## **TEST REPORTS & PLAN**

# Material Test Report

**Report Number:** 1190228-96  
**Issue Number:** 2 - This version supersedes all previous issues  
**Reissue Reason:** Plan Added  
**Date Issued:** 08/10/2019  
**Client:** Australand Residential No 156 Pty Ltd  
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,  
**Project Number:** 1190228  
**Project Name:** HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH  
**Project Location:** HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH  
**Work Request:** 4296  
**Date Sampled:** 01/10/2019 7:15  
**Dates Tested:** 01/10/2019 - 04/10/2019  
**Sampling Method:** AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Compaction

Civiltest Pty Ltd  
 Mitcham Laboratory  
 Unit 7/38 Thornton Crescent Mitcham Vic 3132  
 Phone: (03) 9874 5844  
 Email: scott.flood@civilttest.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Scott Flood  
 Laboratory Manager  
 NATA Accredited Laboratory Number: 790

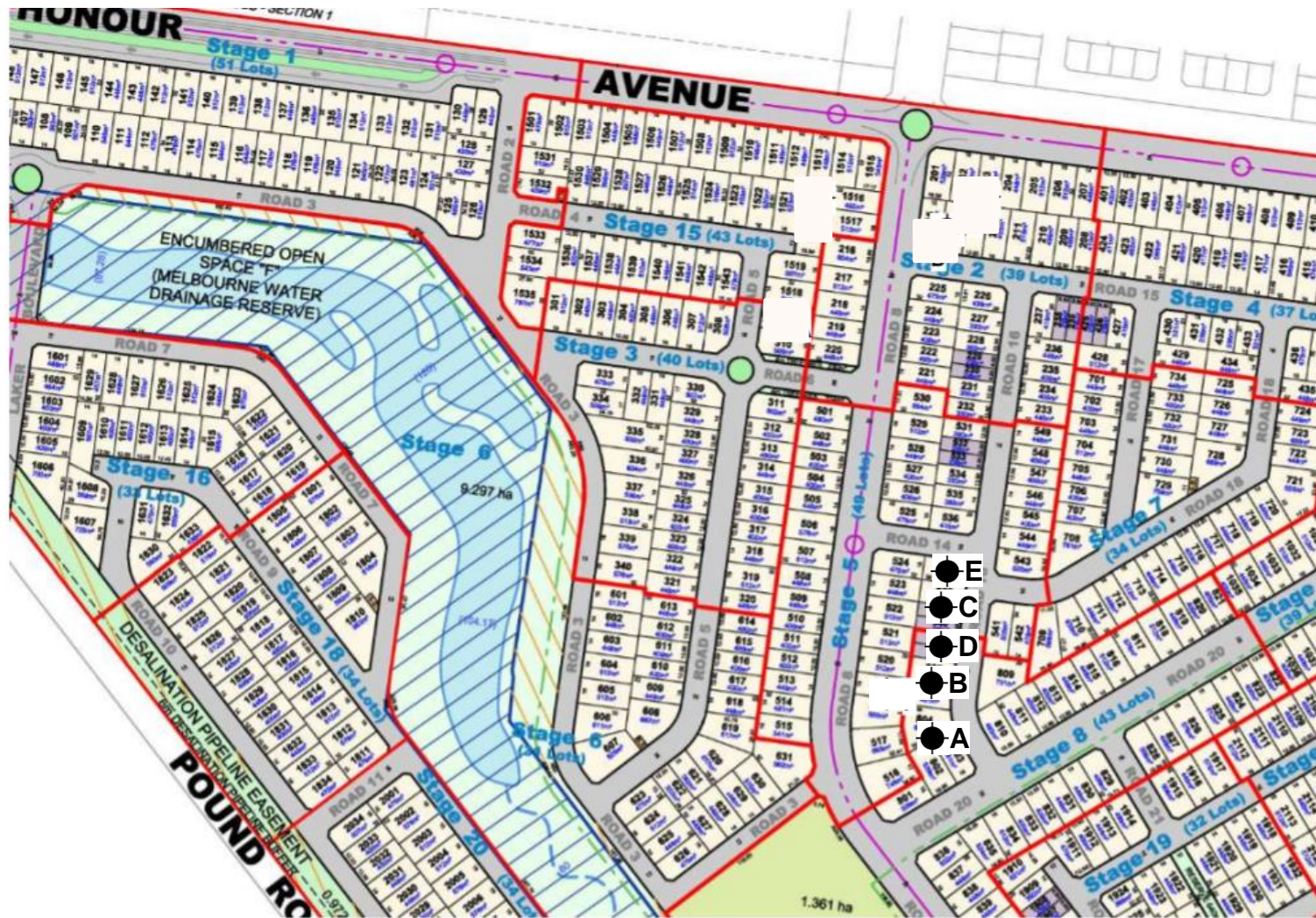
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-4296A	192-4296B	192-4296C	192-4296D	192-4296E
Date Tested	01/10/2019	01/10/2019	01/10/2019	01/10/2019	01/10/2019
Time Tested	08:30	10:00	10:05	02:30	02:35
Test Request #/Location	Lots 802/803/804	Lots 805/806	Lots 538/539	Lot 807	Lot 537
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	700mm Below F.S	700mm Below F.S	700mm Below F.S	400mm Below F.S	400mm Below F.S
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty
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	0.0	0.0	0.0
Field Wet Density (FWD) t/m <sup>3</sup>	1.96	1.97	1.95	1.99	1.99
Field Moisture Content %	23.5	25.7	25.5	25.7	25.1
Field Dry Density (FDD) t/m <sup>3</sup>	1.59	1.57	1.56	1.58	1.59
Peak Converted Wet Density t/m <sup>3</sup>	1.95	2.00	1.96	1.99	1.99
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	93.0	90.5	91.5	88.5	91.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	1.5	2.5	2.0	3.0	2.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	<b>100.5</b>	<b>99.0</b>	<b>99.5</b>	<b>100.0</b>	<b>99.5</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>

**Moisture Variation Note:**

Positive values = test is dry of OMC  
 Negative values = test is wet of OMC



**PLAN – LOCATION OF TEST SITES: Honour Village Wetlands Stage 2 CLYDE NORTH**



● Denotes Test Locations

THIS SKETCH IS NOT INTENDED TO BE AN ACCURATE DEPICTION OF THE NUMBER, SIZE OR LOCATION OF TREES AND/OR SHRUBS

**NOT TO SCALE**

# Material Test Report

**Report Number:** 2210348-14  
**Issue Number:** 1  
**Date Issued:** 01/09/2021  
**Client:** Bayport Civil Pty Ltd  
 55 Colemans Road, CARRUM DOWNS VIC 3201  
**Contact:** Drew  
**Project Number:** 2210348  
**Project Name:** Honour Village Estate, CLYDE NORTH  
**Project Location:** Honour Village Estate, CLYDE NORTH  
**Work Request:** 10996  
**Date Sampled:** 27/08/2021 7:30  
**Dates Tested:** 27/08/2021 - 30/08/2021  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Compaction  
**Site Selection:** Selected by Client  
**Location:** Honour Village Estate, CLYDE NORTH  
**Material Source:** Site Derived



Civiltest Pty Ltd  
 Mitcham Laboratory  
 Unit 7/38 Thornton Crescent Mitcham Vic 3132  
 Phone: (03) 9874 5844  
 Email: Phil.morgans@civilttest.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Phil Morgans  
 Branch Manager

NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	212-10996A	212-10996B	212-10996C
Date Tested	27/08/2021	27/08/2021	27/08/2021
Time Tested	11:36	11:55	14:51
Test Request #/Location	Lot 805/806	Lot 1540	Lot 538/539
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	600 below FS	800 below FS	300 below Fs
Thickness of Layer (mm)	300	300	300
Soil Description	Mudstone	Mudstone	Mudstone
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	11	0	13
Field Wet Density (FWD) t/m <sup>3</sup>	2.04	2.04	2.16
Field Moisture Content %	16.2	21.1	19.6
Field Dry Density (FDD) t/m <sup>3</sup>	1.75	1.69	1.81
Peak Converted Wet Density t/m <sup>3</sup>	**	2.06	**
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	2.05	**	2.09
Moisture Variation (Wv) %	**	-2.0	**
Adjusted Moisture Variation %	1.5	**	-0.5
Hilf Density Ratio (%)	<b>99.5</b>	<b>99.0</b>	<b>103.0</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Report Remarks	**	**	**

**Moisture Variation Note:**

Positive values = test is dry of OMC  
 Negative values = test is wet of OMC