

**A LEVEL 1 REPORT**

**ON THE FILLING**

**AT**

**HONOUR VILLAGE ESTATE**

**STAGE 7**

**CLYDE NORTH**

**2210348-99**

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TEST REPORTS & PLANS

**REPORT No** : 2210348-99

**CLIENT** : Todd Hyland  
Senior Development Manager  
[todd.hyland@frasersproperty.com.au](mailto:todd.hyland@frasersproperty.com.au)  
c/- Australand Residential No 156 Pty Ltd  
PO Box 3307  
Rhodes NSW 2138

**AUTHORIZED BY** : Mr Todd Hyland

**PROJECT LOCATION** : Honour Village Estate – Stage 7, 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 7.

**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 29/10/2019 to 25/08/2021.

**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 11 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 102.0% 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:** 1190228-114  
**Issue Number:** 2 - This version supersedes all previous issues  
**Reissue Reason:** Plan Added  
**Date Issued:** 01/11/2019  
**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:** 4589  
**Date Sampled:** 29/10/2019 7:30  
**Dates Tested:** 29/10/2019 - 30/10/2019  
**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

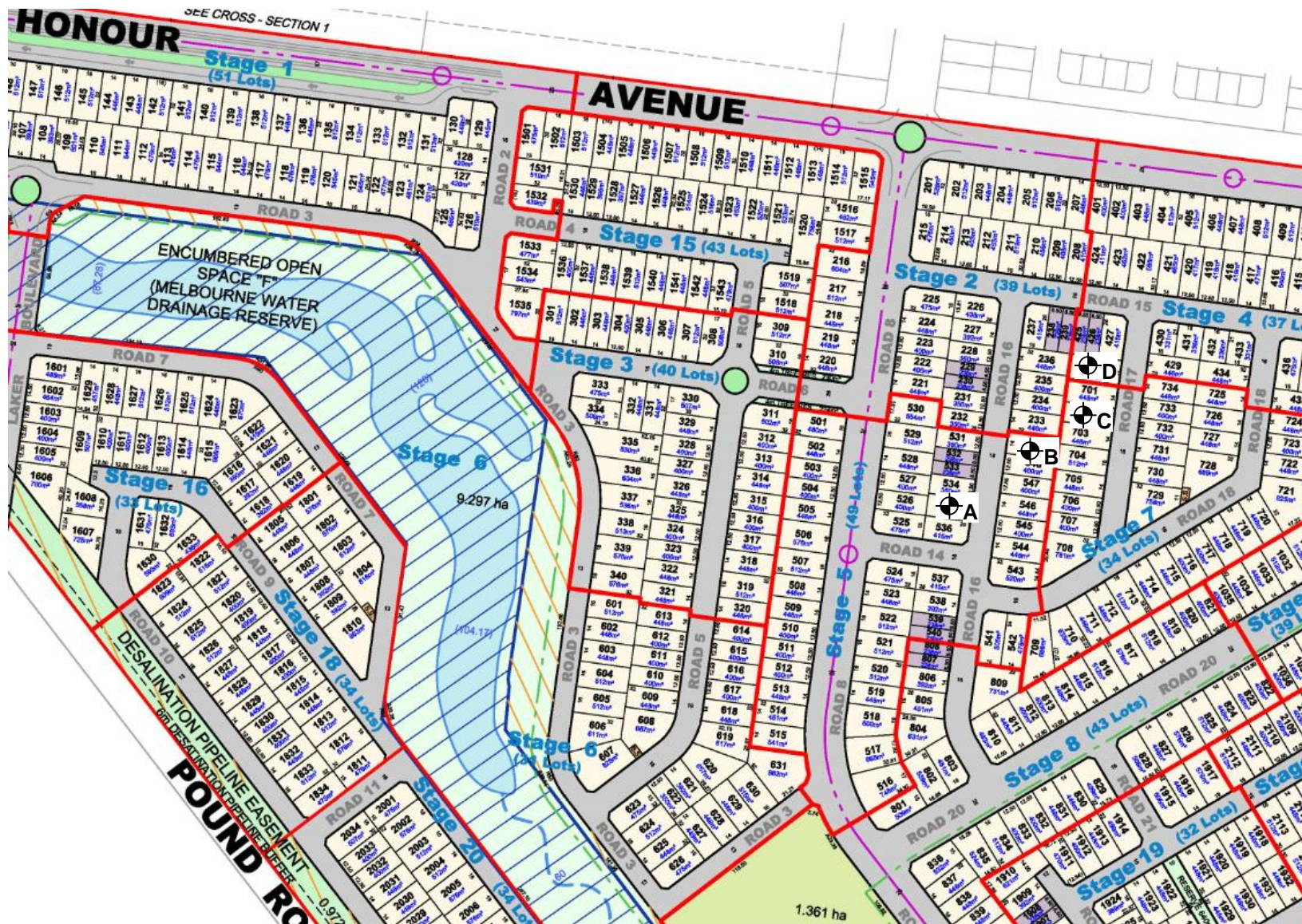
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	192-4589A	192-4589B	192-4589C	192-4589D
Date Tested	29/10/2019	29/10/2019	29/10/2019	29/10/2019
Time Tested	08:00	08:20	08:25	08:30
Test Request #/Location	Lot 535	Lot 549	Lot 702	Lot 428
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	F/L	750mm Below F.S	1.9m Below F.S	1.9m Below F.S
Thickness of Layer (mm)	300	300	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty
Test Depth (mm)	275	275	275	275
Sieve used to determine oversize (mm)	37.5	37.5	37.5	37.5
Percentage of Wet Oversize (%)	0.0	0.0	0.0	0.0
Field Wet Density (FWD) t/m <sup>3</sup>	1.99	1.98	1.99	2.00
Field Moisture Content %	28.7	31.7	26.1	29.2
Field Dry Density (FDD) t/m <sup>3</sup>	1.55	1.50	1.58	1.55
Peak Converted Wet Density t/m <sup>3</sup>	2.01	2.01	2.01	2.01
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	99.5	99.0	98.5	98.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	0.0	0.5	0.5	0.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	<b>99.5</b>	<b>98.5</b>	<b>99.0</b>	<b>99.0</b>
Compaction Method	<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



# LOCATION OF TEST SITES: HONOUR VILLAGE 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:** 1190228-115  
**Issue Number:** 2 - This version supersedes all previous issues  
**Reissue Reason:** Plan Added  
**Date Issued:** 01/11/2019  
**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:** 4590  
**Date Sampled:** 30/10/2019 7:30  
**Dates Tested:** 30/10/2019 - 31/10/2019  
**Sampling Method:** AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Compaction

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 Unit 7/38 Thornton Crescent Mitcham Vic 3132  
 Phone: (03) 9874 5844  
 Email: scott.flood@civiltest.com.au

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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	192-4590A	192-4590B	192-4590C	192-4590D	192-4590E	192-4590F
Date Tested	30/10/2019	30/10/2019	30/10/2019	30/10/2019	30/10/2019	30/10/2019
Time Tested	07:45	07:50	08:10	08:16	03:00	15:09
Test Request #/Location	Lot 701	Lot 235	Lot 424	Lots 401/402	Lot 329	Lot 327
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.1m Below F.S	1.2m Below F.S	1.9m Below F.S	1.9m Below F.S	F/L	F/L
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty
Test Depth (mm)	275	275	275	275	275	275
Sieve used to determine oversize (mm)	37.5	37.5	37.5	37.5	37.5	37.5
Percentage of Wet Oversize (%)	0.0	0.0	0.0	0.0	0.0	0.0
Field Wet Density (FWD) t/m <sup>3</sup>	1.99	1.99	2.00	1.98	1.97	1.97
Field Moisture Content %	22.4	25.5	23.1	24.9	28.0	29.7
Field Dry Density (FDD) t/m <sup>3</sup>	1.62	1.58	1.63	1.59	1.54	1.52
Peak Converted Wet Density t/m <sup>3</sup>	2.01	2.01	2.02	2.01	2.01	2.00
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.0	97.5	98.5	97.5	102.5	101.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.5	0.5	-0.5	-0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	<b>99.0</b>	<b>99.0</b>	<b>99.0</b>	<b>99.0</b>	<b>98.0</b>	<b>98.0</b>
Compaction Method	<b>Standard</b>	<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

# Material Test Report

**Report Number:** 1190228-115  
**Issue Number:** 2 - *This version supersedes all previous issues*  
**Reissue Reason:** *Plan Added*  
**Date Issued:** 01/11/2019  
**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:** 4590  
**Date Sampled:** 30/10/2019 7:30  
**Dates Tested:** 30/10/2019 - 31/10/2019  
**Sampling Method:** AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Compaction

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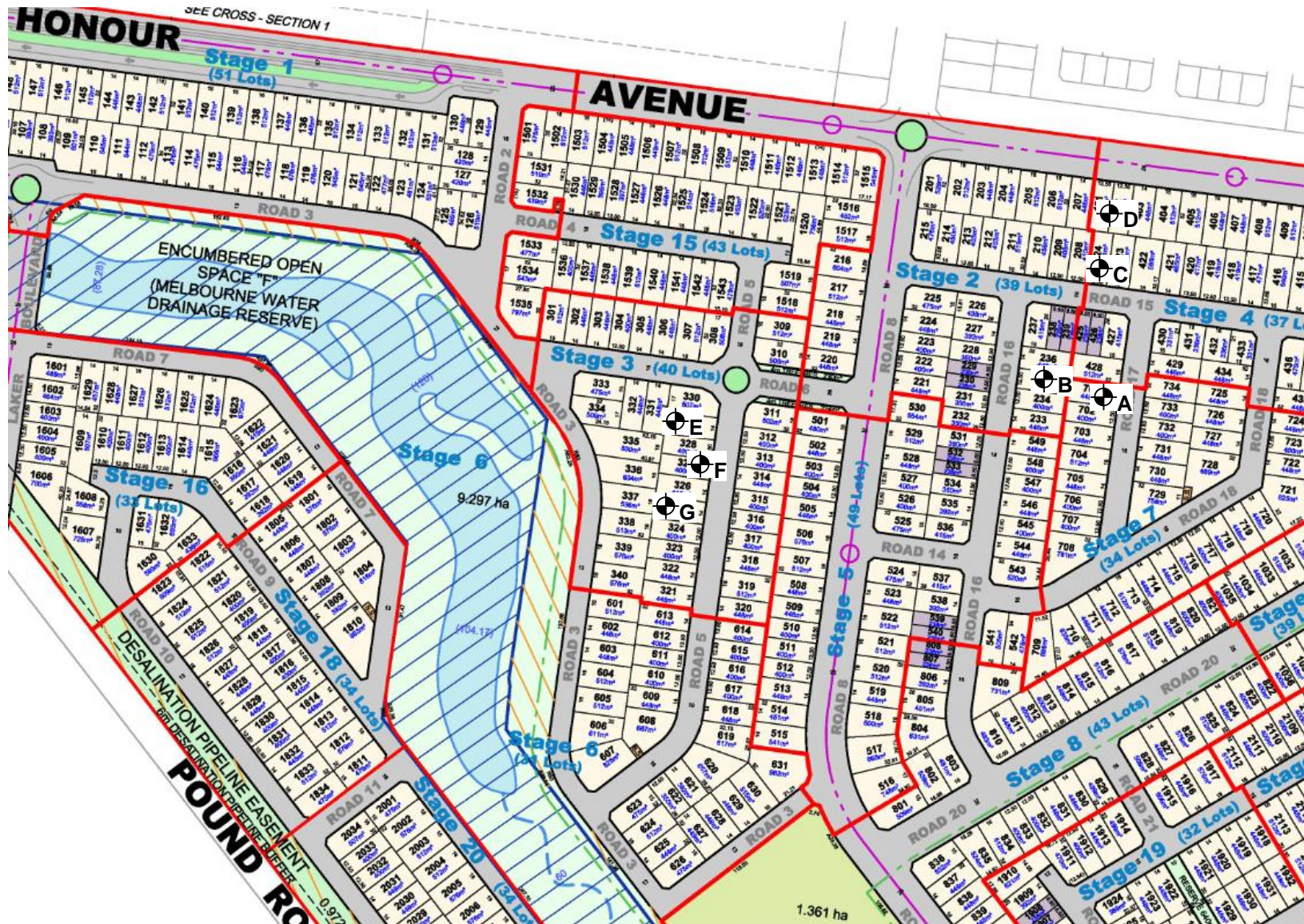


Approved Signatory: Scott Flood  
 Laboratory Manager  
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1	
Sample Number	192-4590G
Date Tested	30/10/2019
Time Tested	15:32
Test Request #/Location	Lot 325
Chainage (m)	**
Location Offset (m)	**
Layer / Reduced Level	F/L
Thickness of Layer (mm)	300
Soil Description	CLAY sandy silty
Test Depth (mm)	275
Sieve used to determine oversize (mm)	37.5
Percentage of Wet Oversize (%)	0.0
Field Wet Density (FWD) t/m <sup>3</sup>	1.98
Field Moisture Content %	28.0
Field Dry Density (FDD) t/m <sup>3</sup>	1.55
Peak Converted Wet Density t/m <sup>3</sup>	2.00
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**
Moisture Ratio % (AS 1289.5.4.1)	98.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**
Moisture Variation (Wv) %	0.5
Adjusted Moisture Variation %	**
Hilf Density Ratio (%)	<b>99.0</b>
Compaction Method	<b>Standard</b>

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

# LOCATION OF TEST SITES: HONOUR VILLAGE STAGE 2, CLYDE NORTH



⊕ Denotes Test Locations

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NOT TO SCALE

# Material Test Report

**Report Number:** 1190228-135  
**Issue Number:** 2 - This version supersedes all previous issues  
**Reissue Reason:** Plan Added  
**Date Issued:** 19/12/2019  
**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:** 5049  
**Date Sampled:** 18/12/2019 7:00  
**Dates Tested:** 18/12/2019 - 19/12/2019  
**Sampling Method:** AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Compaction

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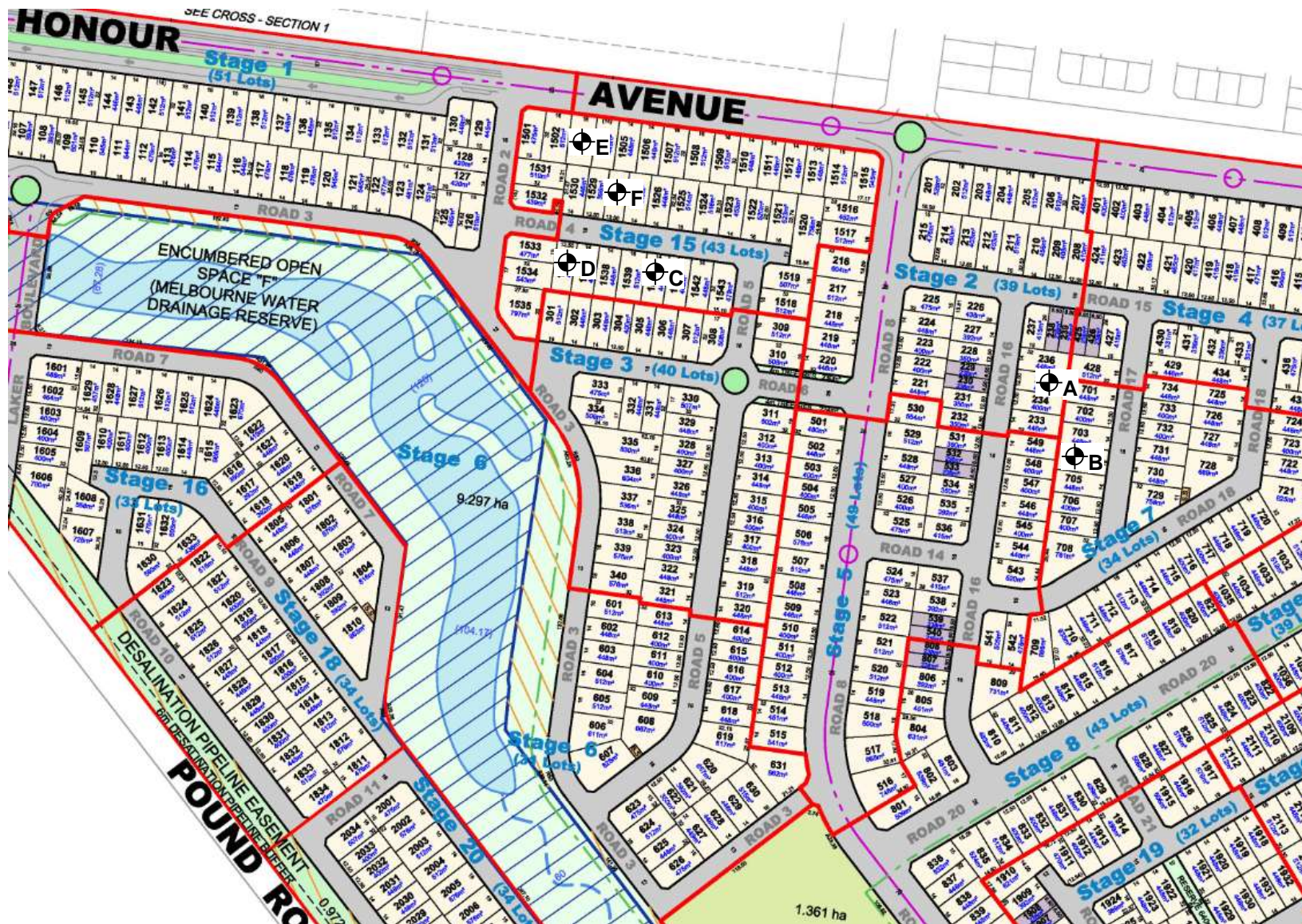
Approved Signatory: Scott Flood  
 Laboratory Manager  
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	192-5049A	192-5049B	192-5049C	192-5049D	192-5049E	192-5049F
Date Tested	18/12/2019	18/12/2019	18/12/2019	18/12/2019	18/12/2019	18/12/2019
Time Tested	07:00	07:05	07:10	07:15	07:20	07:25
Test Request #/Location	Lot 235	Lot 704	Lot 1540	**	Lot 1502	Lot 1528
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	500 Below F.S	300 Below F.S	600 Below F.S	**	700 Below F.S	700 Below F.S
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty
Test Depth (mm)	275	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0	0.0	0.0	0.0	0.0
Field Wet Density (FWD) t/m <sup>3</sup>	1.98	1.98	1.97	1.96	1.97	1.97
Field Moisture Content %	11.6	20.0	26.0	15.1	17.3	25.3
Field Dry Density (FDD) t/m <sup>3</sup>	1.77	1.65	1.56	1.70	1.68	1.57
Peak Converted Wet Density t/m <sup>3</sup>	2.02	1.96	1.96	1.96	1.94	1.91
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	82.5	88.5	90.5	86.0	88.0	90.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	2.5	2.5	2.5	2.5	2.5	2.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	<b>98.0</b>	<b>100.5</b>	<b>101.0</b>	<b>100.0</b>	<b>101.5</b>	<b>103.5</b>
Compaction Method	<b>Standard</b>	<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

# LOCATION OF TEST SITES: HONOUR VILLAGE 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:** 2210348-1  
**Issue Number:** 2 - This version supersedes all previous issues  
**Reissue Reason:** location now lot no.  
**Date Issued:** 10/06/2021  
**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:** 9821  
**Date Sampled:** 28/05/2021 7:00  
**Dates Tested:** 28/05/2021 - 02/06/2021  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Compaction  
**Location:** Honour Village Estate, CLYDE NORTH  
**Material:** CLAY silty trace gravel

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	212-9821A		
Date Tested	28/05/2021		
Time Tested	13:51		
Test Request #/Location	Lot 731 / 732		
Layer / Reduced Level	Fsl -800		
Thickness of Layer (mm)	200		
Soil Description	CLAY silty trace gravel		
Test Depth (mm)	175		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) t/m <sup>3</sup>	1.97		
Field Moisture Content %	20.2		
Field Dry Density (FDD) t/m <sup>3</sup>	1.64		
Peak Converted Wet Density t/m <sup>3</sup>	1.98		
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**		
Moisture Variation (Wv) %	0.0		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	99.5		
Compaction Method	Standard		
Report Remarks	**		

### Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report

**Report Number:** 2210348-2  
**Issue Number:** 1  
**Date Issued:** 10/06/2021  
**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:** 9844  
**Date Sampled:** 31/05/2021 15:19  
**Dates Tested:** 31/05/2021 - 03/06/2021  
**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:** Silty CLAY



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	212-9844A	212-9844B	212-9844C
Date Tested	03/06/2021	03/06/2021	03/06/2021
Time Tested	**	**	**
Test Request #/Location	Lot 730	Lot 731	Lot 733
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	-600 FSL	-400 FSL	-200 FSL
Thickness of Layer (mm)	200	200	200
Soil Description	Silty CLAY	Silty CLAY	Silty CLAY
Test Depth (mm)	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	0
Field Wet Density (FWD) t/m <sup>3</sup>	1.99	1.99	1.98
Field Moisture Content %	18.4	19.3	19.5
Field Dry Density (FDD) t/m <sup>3</sup>	1.68	1.67	1.65
Peak Converted Wet Density t/m <sup>3</sup>	1.98	1.99	1.97
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	18.5	19.1	19.7
Adj. Field Moisture Content % (AS1289.5.4.1)	18.4	19.3	19.5
Moisture Ratio % (AS1289.5.4.1)	99.5	101.5	99.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	100.5	100.0	100.5
Compaction Method	Standard	Standard	Standard
Report Remarks	**	**	**

**Moisture Variation Note:**

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



# Material Test Report

**Report Number:** 2210348-3  
**Issue Number:** 1  
**Date Issued:** 10/06/2021  
**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:** 9866  
**Date Sampled:** 01/06/2021 7:00  
**Dates Tested:** 01/06/2021 - 03/06/2021  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Compaction  
**Location:** Honour Village Estate, CLYDE NORTH  
**Material:** Silty CLAY



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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	212-9866A	212-9866B	212-9866C
Date Tested	03/06/2021	03/06/2021	03/06/2021
Time Tested	09:30	12:30	15:00
Test Request #/Location	Lot 732	Lot 429	Lot 431
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	Final layer	-600 FSL	-800 FSL
Thickness of Layer (mm)	200	200	200
Soil Description	Silty Clay	Silty Clay	Silty Clay
Test Depth (mm)	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	0
Field Wet Density (FWD) t/m <sup>3</sup>	2.07	1.99	1.98
Field Moisture Content %	23.8	20.3	22.9
Field Dry Density (FDD) t/m <sup>3</sup>	1.67	1.65	1.61
Peak Converted Wet Density t/m <sup>3</sup>	2.04	2.03	2.01
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	21.3	20.0	20.5
Adj. Field Moisture Content % (AS1289.5.4.1)	23.8	20.3	22.9
Moisture Ratio % (AS1289.5.4.1)	112.0	102.0	112.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	-2.5	-0.5	-2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	<b>101.0</b>	<b>98.0</b>	<b>98.0</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

# Material Test Report



**Report Number:** 2210348-4  
**Issue Number:** 1  
**Date Issued:** 11/06/2021  
**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:** 9903  
**Date Sampled:** 03/06/2021 10:00  
**Dates Tested:** 03/06/2021 - 10/06/2021  
**Sampling Method:** AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Remarks:** Sites selected by Civiltest  
**Specification:** Minimum 95% Standard Compaction  
**Location:** Honour Village Estate, CLYDE NORTH  
**Material:** CLAY, Silty Brown  
**Material Source:** Site Derived

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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	212-9903A	212-9903B	212-9903C	212-9903D	212-9903E
Date Tested	03/06/2021	03/06/2021	03/06/2021	03/06/2021	03/06/2021
Time Tested	10:40	10:31	10:23	10:09	10:01
Test Request #/Location	Lot 703	Lot 701/428	Lot 425/426	Lot 423/424	Lot 402/403
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	Finish Level	Finish Level	Finish Level	0.4m below F.L	0.6m below F.L
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	CLAY, Silty Brown	CLAY, Silty Brown	CLAY, Silty Brown	CLAY, Silty Brown	CLAY, Silty Brown
Test Depth (mm)	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0
Field Wet Density (FWD) t/m <sup>3</sup>	2.01	2.05	1.96	1.96	1.96
Field Moisture Content %	22.3	18.8	17.3	21.2	22.1
Field Dry Density (FDD) t/m <sup>3</sup>	1.64	1.73	1.67	1.62	1.60
Peak Converted Wet Density t/m <sup>3</sup>	2.03	2.04	1.96	1.99	1.97
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**	**	**
Moisture Variation (Wv) %	-1.0	0.0	1.5	0.0	0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	99.0	100.5	100.0	98.0	99.5
Compaction Method	Standard	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**	**

## Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

# Material Test Report



**Report Number:** 2210348-13  
**Issue Number:** 1  
**Date Issued:** 27/08/2021  
**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:** 10962  
**Date Sampled:** 25/08/2021 08:40  
**Dates Tested:** 25/08/2021 - 26/08/2021  
**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:** Mudstone  
**Material Source:** Site Derived

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## Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1

Sample Number	212-10962A	212-10962B	212-10962C	212-10962D
Date Tested	25/08/2021	25/08/2021	25/08/2021	25/08/2021
Time Tested	08:45	09:00	09:06	09:11
Test Request #/Location	Lot 1511	Lot 237	Lot236	Lot 233/234
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	800 Below Fs	Finished Surface	Finished Surface	Finished Surface
Thickness of Layer (mm)	300	300	300	300
Soil Description	Mudstone	Mudstone	Mudstone	Mudstone
Test Depth (mm)	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0
Field Wet Density (FWD) t/m <sup>3</sup>	2.03	2.08	2.16	2.05
Field Moisture Content %	25.4	18.1	16.3	15.6
Field Dry Density (FDD) t/m <sup>3</sup>	1.62	1.76	1.86	1.77
Peak Converted Wet Density t/m <sup>3</sup>	2.03	2.04	2.11	2.08
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**	**
Moisture Variation (Wv) %	-1.0	0.0	-0.5	0.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	<b>100.0</b>	<b>102.0</b>	<b>102.5</b>	<b>98.5</b>
Compaction Method	<b>Standard</b>	<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

# Material Test Report

**Report Number:** 2210348-13  
**Issue Number:** 1  
**Date Issued:** 27/08/2021  
**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:** 10962  
**Date Sampled:** 25/08/2021 08:40  
**Dates Tested:** 25/08/2021 - 26/08/2021  
**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:** Mudstone  
**Material Source:** Site Derived



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	212-10962E	212-10962F	212-10962G	
Date Tested	25/08/2021	25/08/2021	25/08/2021	
Time Tested	09:21	09:29	09:38	
Test Request #/Location	Lot 548	Lot 703	Lot 428	
Chainage (m)	**	**	**	
Location Offset (m)	**	**	**	
Layer / Reduced Level	Finished Surface	Finished Surface	Finished Surface	
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 (%)	0	0	0	
Field Wet Density (FWD) t/m <sup>3</sup>	2.02	2.06	2.10	
Field Moisture Content %	19.7	21.6	18.6	
Field Dry Density (FDD) t/m <sup>3</sup>	1.69	1.70	1.77	
Peak Converted Wet Density t/m <sup>3</sup>	2.04	2.02	2.04	
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**	
Moisture Variation (Wv) %	1.5	-0.5	0.0	
Adjusted Moisture Variation %	**	**	**	
Hilf Density Ratio (%)	<b>99.5</b>	<b>102.0</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