

LEVEL 1 REPORT

ON THE FILLING

AT

HONOUR VILLAGE ESTATE

STAGE 1

CLYDE NORTH

2210348-91

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APPENDIX A

TEST REPORTS & PLANS

REPORT No : 2210348-91

CLIENT : Todd Hyland
Senior Development Manager
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 1, 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 1.

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 500m³.

6. THE PERIOD OVER WHICH THE WORK WAS CARRIED OUT

Inspections and testing of the project was carried out between 31/10/2019 to 20/11/2019.

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 5 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 98.5% and 100.0% 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: 1190228-117
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 07/11/2019
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: 4633
Date Sampled: 01/11/2019 1:00
Dates Tested: 01/11/2019 - 06/11/2019
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



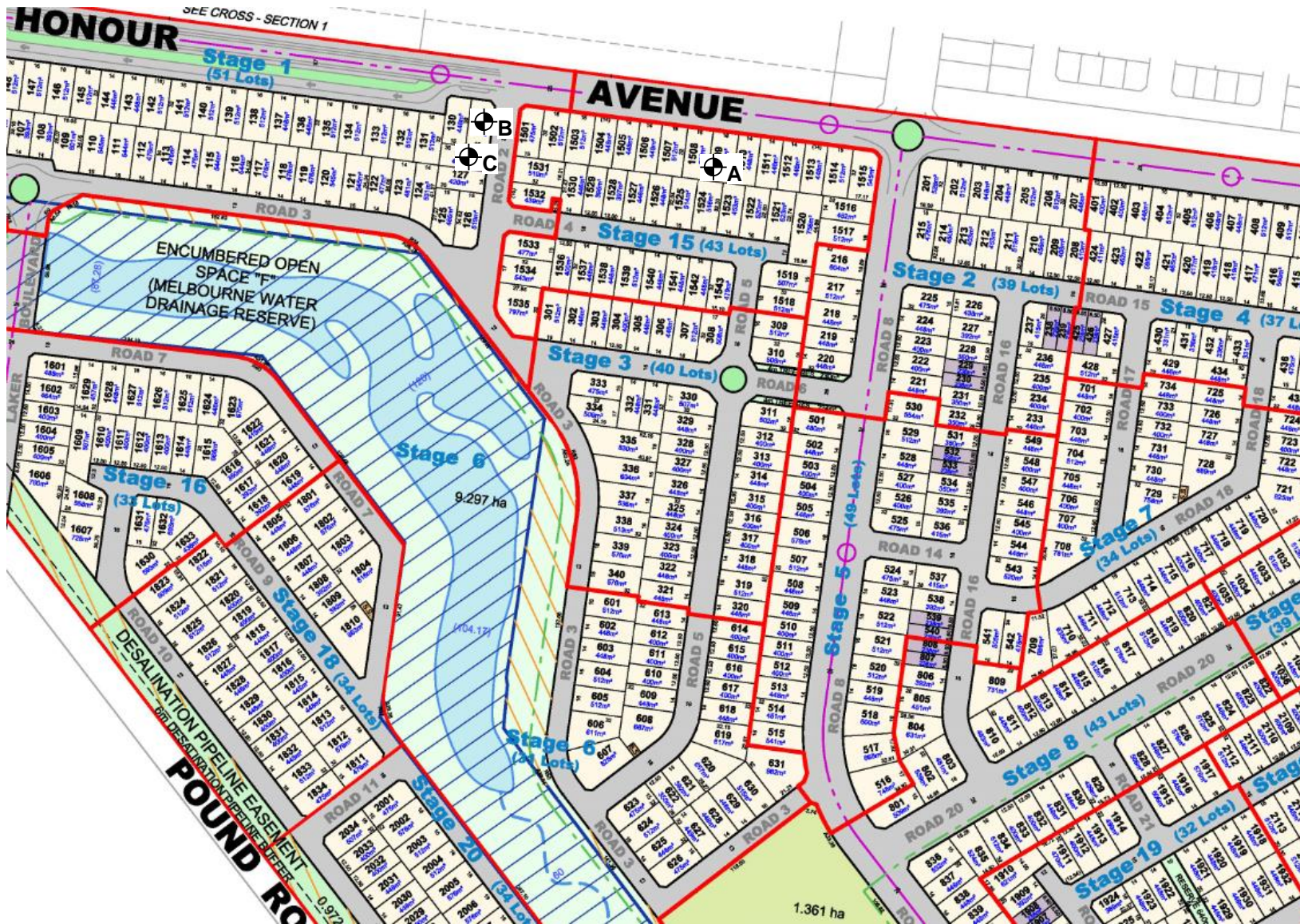
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4633A	192-4633B	192-4633C
Date Tested	01/11/2019	01/11/2019	01/11/2019
Time Tested	01:15	02:00	03:00
Test Request #/Location	Lot 1509	Lot 129	Lot 128
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	1m Below F.S	750mm Below F.S	450mm Below F.S
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0	0.0
Field Wet Density (FWD) t/m ³	2.00	1.99	2.00
Field Moisture Content %	29.8	27.5	29.3
Field Dry Density (FDD) t/m ³	1.54	1.56	1.54
Peak Converted Wet Density t/m ³	2.01	2.01	2.01
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	107.5	109.0	107.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	-2.0	-2.0	-2.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	99.5	99.0	99.0
Compaction Method	Standard	Standard	Standard

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: 1190228-118
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan added
Date Issued: 07/11/2019
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: 4619
Date Sampled: 31/10/2019 7:30
Dates Tested: 31/10/2019 - 01/11/2019
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@civiltest.com.au

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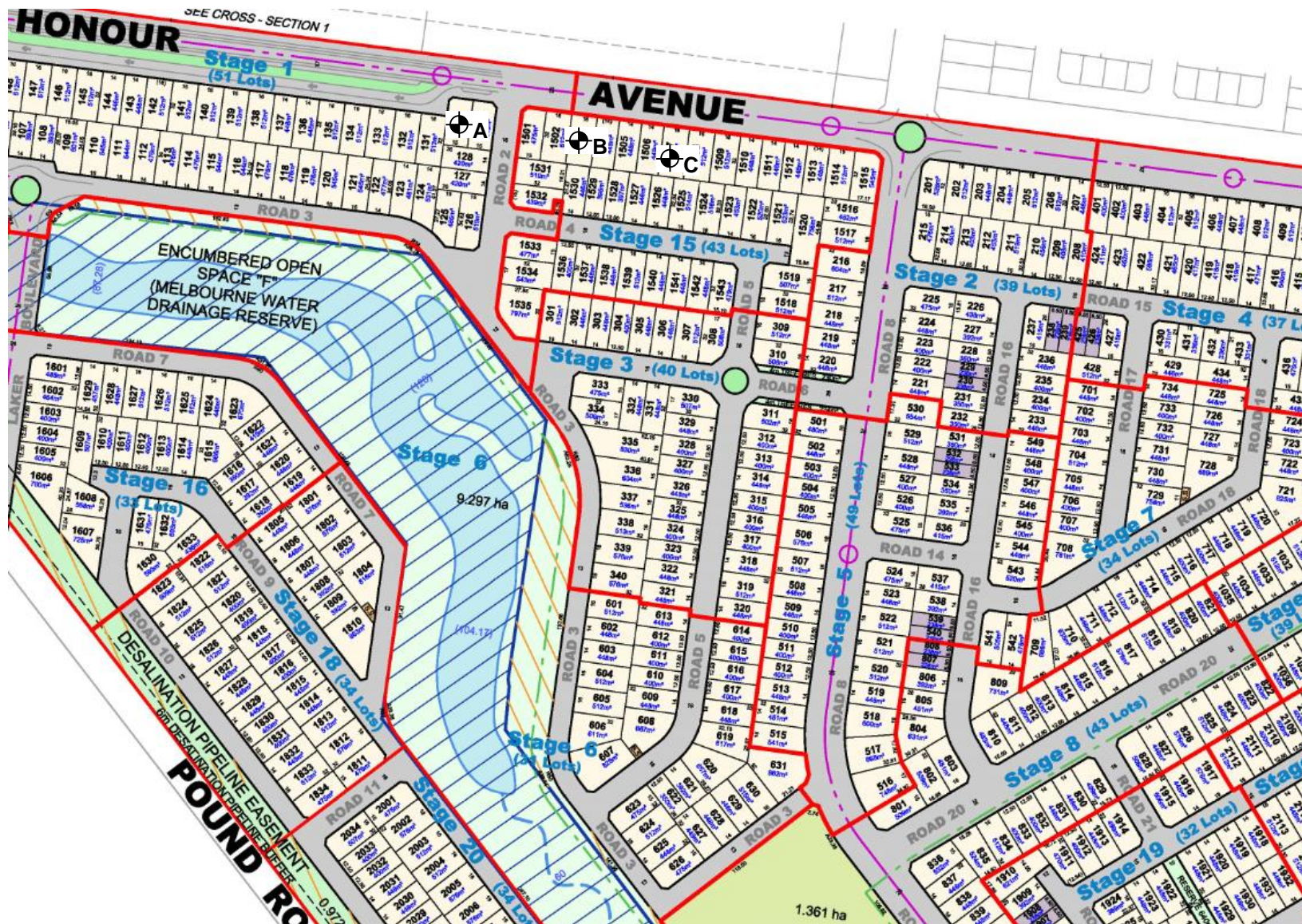


Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4619A	192-4619B	192-4619C
Date Tested	31/10/2019	31/10/2019	31/10/2019
Time Tested	02:00	02:10	02:15
Test Request #/Location	Lot 130	Lot 1503	Lot 1507
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	1.2m Below F.S	1.0m Below F.S	1.0m Below F.S
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0	0.0
Field Wet Density (FWD) t/m ³	1.99	2.00	2.00
Field Moisture Content %	27.0	28.1	27.3
Field Dry Density (FDD) t/m ³	1.57	1.56	1.58
Peak Converted Wet Density t/m ³	2.01	2.00	2.01
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.5	98.5	97.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	99.0	100.0	100.0
Compaction Method	Standard	Standard	Standard

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: 1190228-128
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 21/11/2019
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: 4742
Date Sampled: 18/11/2019 7:15
Dates Tested: 18/11/2019 - 19/11/2019
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@civiltest.com.au

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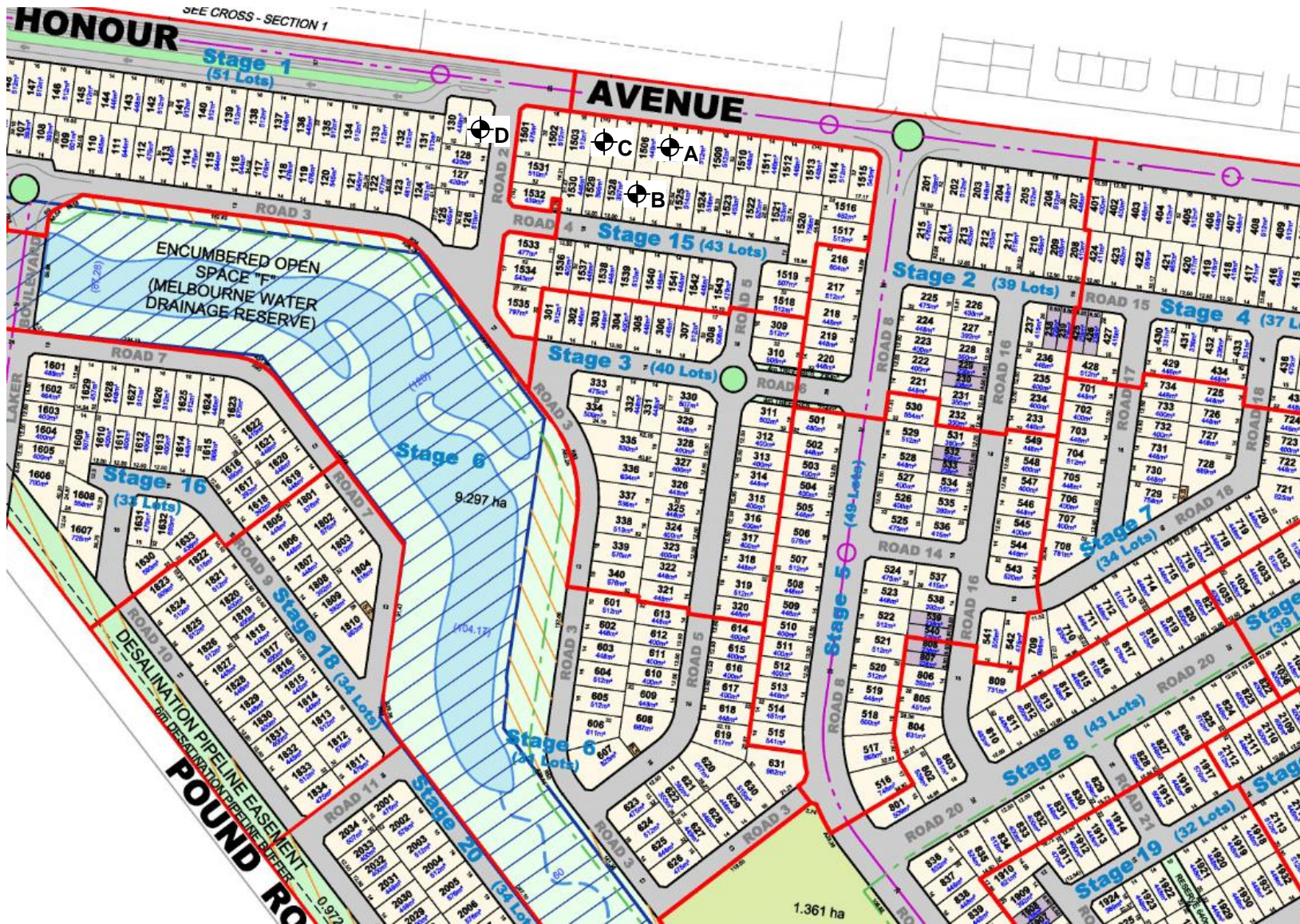
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	192-4742A	192-4742B	192-4742C	192-4742D
Date Tested	18/11/2019	18/11/2019	18/11/2019	18/11/2019
Time Tested	07:45	07:50	08:00	08:05
Test Request #/Location	Lot 1507	Lot 1527	Lot 1504	Lot 129
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	900mm Below F.S	1.2m Below F.S	1.2m Below F.S	400mm 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)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0	0.0	0.0
Field Wet Density (FWD) t/m ³	2.01	2.03	2.02	2.03
Field Moisture Content %	26.1	24.6	24.9	26.7
Field Dry Density (FDD) t/m ³	1.60	1.63	1.61	1.60
Peak Converted Wet Density t/m ³	2.02	2.03	2.02	2.03
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	98.0	98.0	97.5	98.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.5	0.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	99.5	100.0	100.0	100.0
Compaction Method	Standard	Standard	Standard	Standard

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



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NOT TO SCALE

Material Test Report

Report Number: 1190228-130
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 22/11/2019
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: 4766
Date Sampled: 20/11/2019 7:15
Dates Tested: 20/11/2019 - 21/11/2019
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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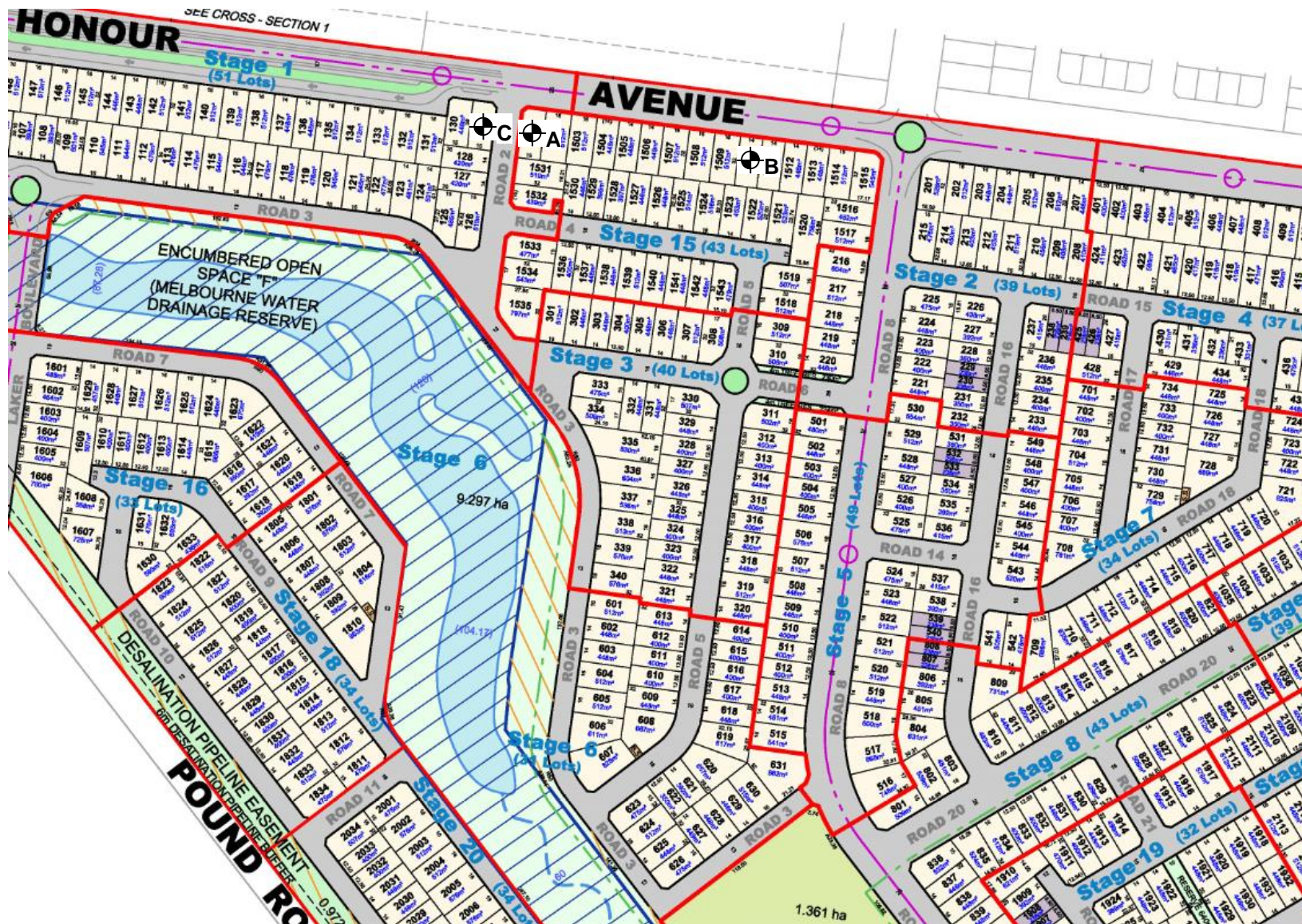
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4766A	192-4766B	192-4766C
Date Tested	20/11/2019	20/11/2019	20/11/2019
Time Tested	08:00	08:10	08:15
Test Request #/Location	Lot 1501	Lot 1510	Lot 128
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	800mm Below F.S	1.2m Below F.S	400 Below F.S
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0	0.0
Field Wet Density (FWD) t/m ³	1.98	1.98	2.00
Field Moisture Content %	29.0	28.0	26.9
Field Dry Density (FDD) t/m ³	1.53	1.55	1.57
Peak Converted Wet Density t/m ³	2.01	2.02	2.03
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.5	97.5	97.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.5	0.5	1.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	98.5	98.5	98.5
Compaction Method	Standard	Standard	Standard

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



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