

A LEVEL 1 REPORT

ON THE FILLING

AT

HONOUR VILLAGE ESTATE

STAGE 3

CLYDE NORTH

2210348-93

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APPENDIX A

TEST REPORTS & PLANS

REPORT No : 2210348-93

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 3, 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 3.

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 28/02/2019 to 25/11/2019.

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 75 compaction tests (Hilf Rapid Method) were undertaken on the compacted earth fill of which 1 test failed to achieve the specified compaction requirements, this area was reworked and retested while the earthworks were being undertaken.

8.5 Results of Testing

The compaction results show that compacted fill was placed and compacted at a density between 95.0% and 103.5% 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

Material Test Report

Report Number: 1190228-2
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 05/03/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3086
Date Sampled: 28/02/2019 10:15
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Civiltest Pty Ltd
 Mornington Laboratory
 10 Latham Street Mornington Vic 3931
 Phone: (03) 5975 6644
 Fax: (03) 5975 9589
 Email: scott.walsh@civilttest.com.au



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Scott Walsh
 Lab Manager

NATA Accredited Laboratory Number: 1407

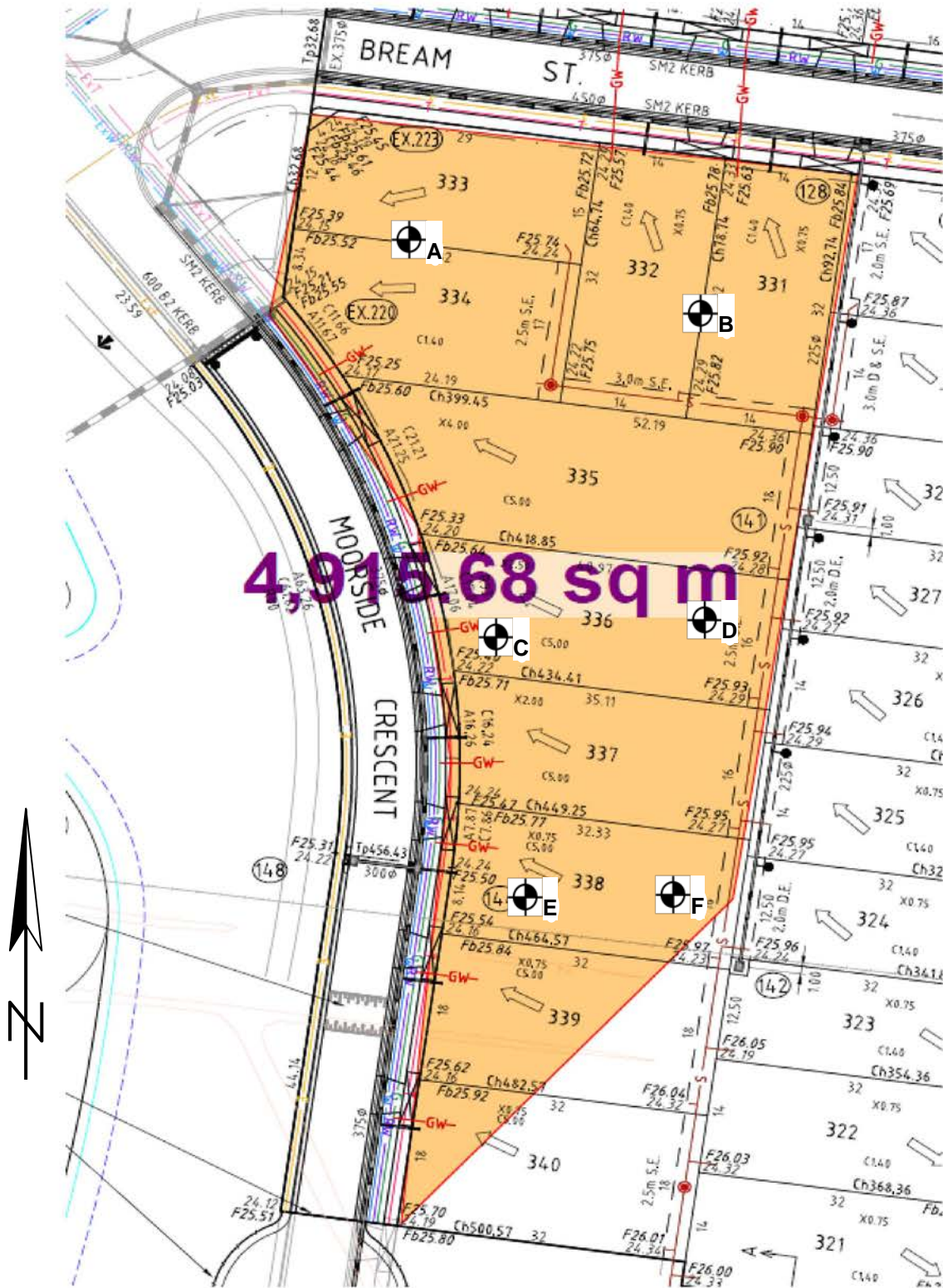
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	191-3086A	191-3086B	191-3086C	191-3086D	191-3086E	191-3086F
Date Tested	28/02/2019	28/02/2019	28/02/2019	28/02/2019	28/02/2019	28/02/2019
Time Tested	10:25	10:30	10:40	10:50	10:55	11:05
Test Request #/Location	See Plan	See Plan	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.3m Below F.L	1.4m Below F.L	1.1m Below F.L	1.4m Below F.L	1.1m Below F.L	1.4m Below F.L
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	CLAY, Silty	CLAY, Silty	CLAY, Silty	CLAY, Silty	CLAY, Silty	CLAY, 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 (%)	**	**	**	**	**	**
Field Wet Density (FWD) t/m ³	1.90	1.93	1.93	1.95	1.93	1.96
Field Moisture Content %	10.6	12.9	12.7	11.5	13.5	12.0
Field Dry Density (FDD) t/m ³	1.71	1.71	1.71	1.75	1.70	1.75
Peak Converted Wet Density t/m ³	1.98	2.04	1.97	1.98	2.02	1.98
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	69.5	84.0	78.0	71.5	85.5	73.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	4.5	2.5	3.5	4.5	2.5	4.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	96.0	95.0	97.5	98.5	95.5	99.0
Compaction Method	Standard	Standard	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 3, CLYDE NORTH

Report No: 1190228-2
Plan 1 of 1



⊙ Denotes Test Locations
SCALE

NOT TO

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

Material Test Report

Report Number: 1190228-3
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 21/03/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3153
Date Sampled: 08/03/2019 10:30
Sampling Method: AS1289 1.2.1 6.4 - Sampling from layers in earthworks or pavement - uncompacted/compacted
Remarks: Sites selected by Civiltest
Specification: 95% Standard
Material: CLAY silty
Material Source: Site derived

Civiltest Pty Ltd
 Mornington Laboratory
 10 Latham Street Mornington Vic 3931
 Phone: (03) 5975 6644
 Fax: (03) 5975 9589
 Email: scott.walsh@civilttest.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Scott Walsh
 Lab Manager
 NATA Accredited Laboratory Number: 1407

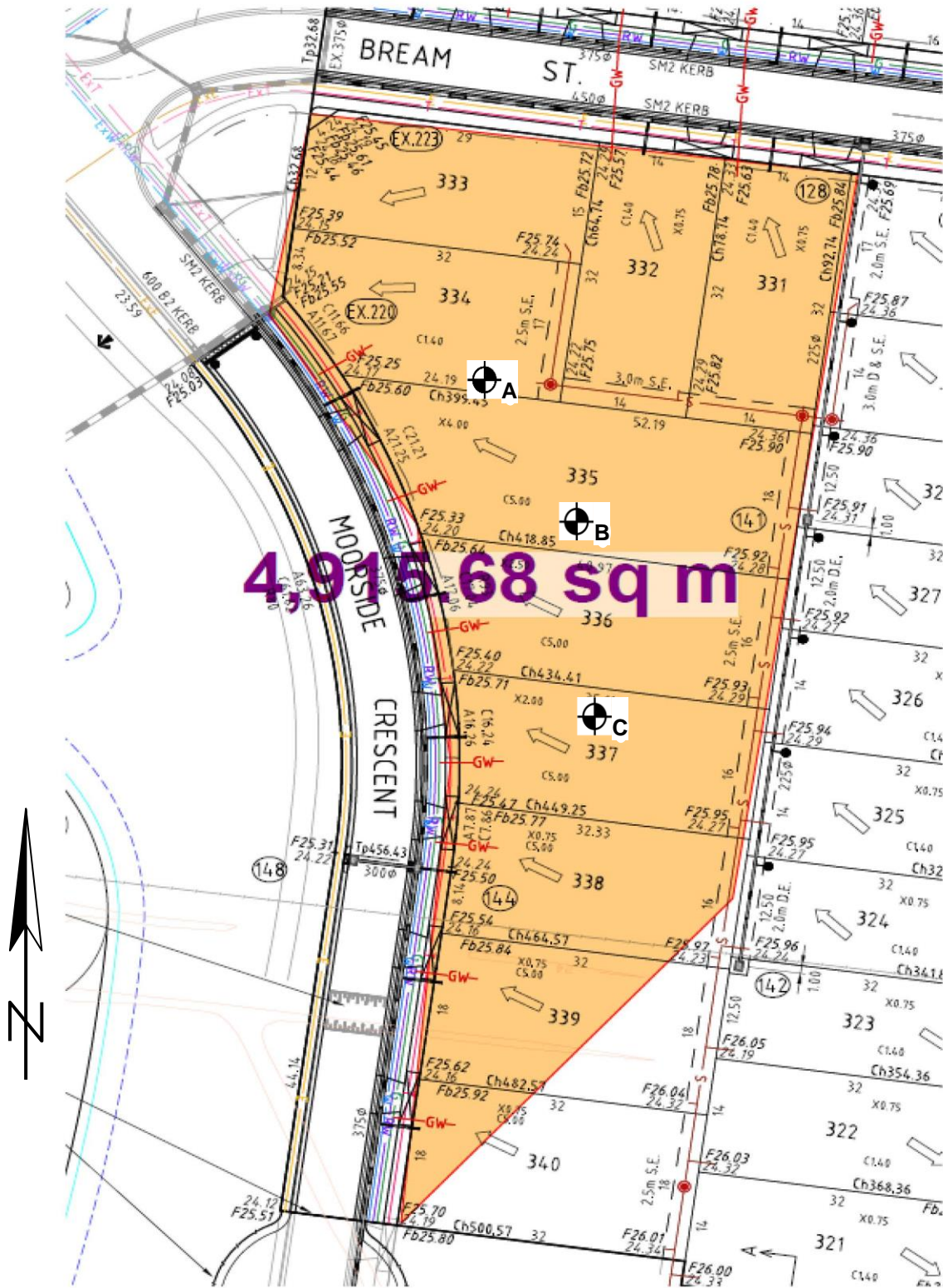
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	191-3153A	191-3153B	191-3153C
Date Tested	08/03/2019	08/03/2019	08/03/2019
Time Tested	10:45	10:47	10:50
Test Request #/Location	See plan	See plan	See plan
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	900mm below FSL	700mm below FSL	900mm below FSL
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m ³	2.02	1.97	1.97
Field Moisture Content %	17.6	16.5	16.8
Field Dry Density (FDD) t/m ³	1.71	1.69	1.69
Peak Converted Wet Density t/m ³	1.98	1.94	1.96
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	99.0	88.0	87.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.0	2.0	2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	101.5	101.5	100.5
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 3, CLYDE NORTH

Report No: 1190228-3
Plan 1 of 1



4,915.68 sq m

☉ Denotes Test Locations

NOT TO SCALE

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Material Test Report

Report Number: 1190228-4
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 27/03/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3210
Date Sampled: 18/03/2019 10:45
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Civiltest Pty Ltd
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 10 Latham Street Mornington Vic 3931
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 Email: scott.walsh@civilttest.com.au



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Scott Walsh
 Lab Manager

NATA Accredited Laboratory Number: 1407

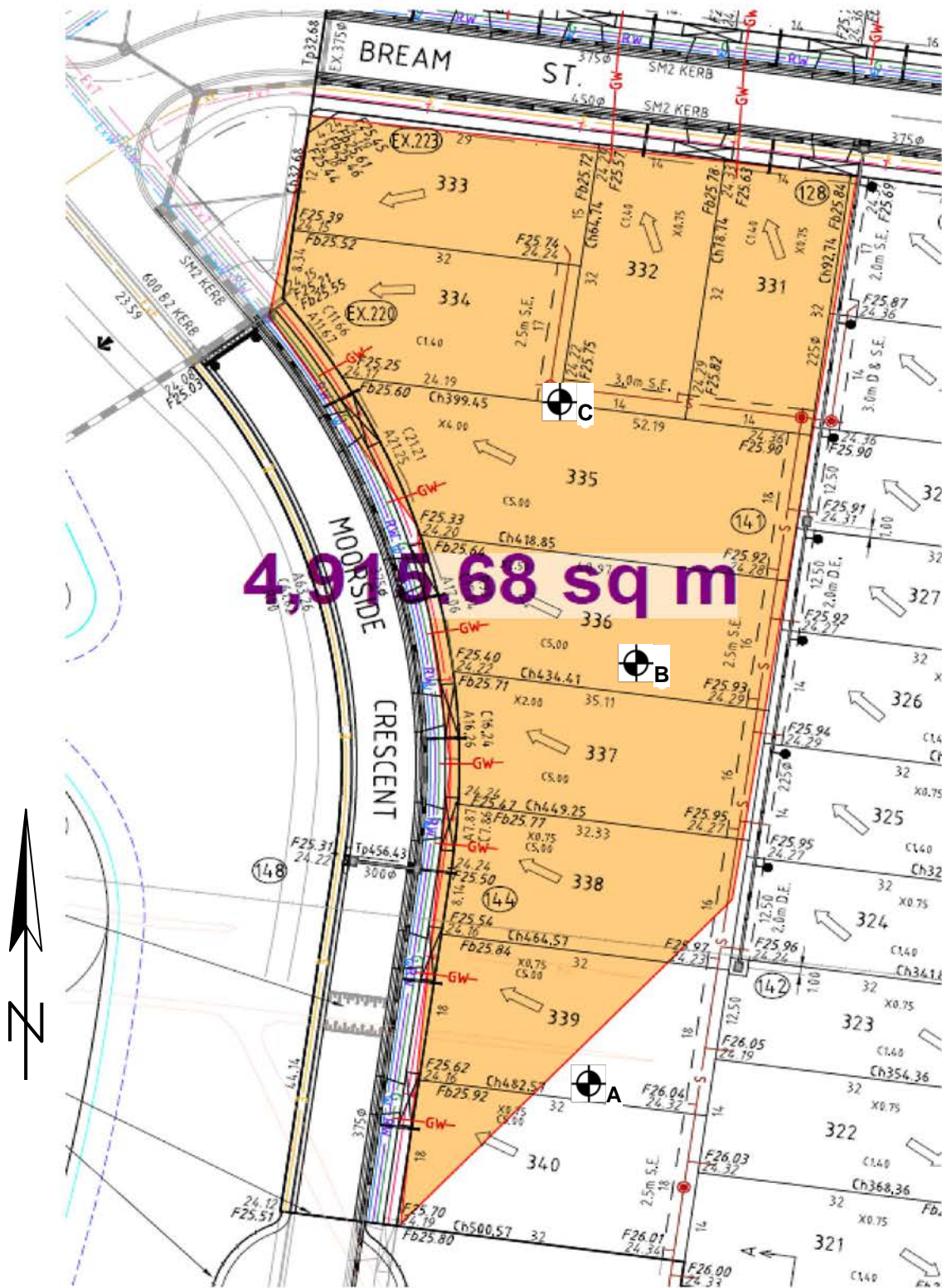
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	191-3210A	191-3210B	191-3210C
Date Tested	18/03/2019	18/03/2019	18/03/2019
Time Tested	10:50	11:00	11:10
Test Request #/Location	See Plan	See Plan	See Plan
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Elevation (m)	0.7m Below F.S	0.5m Below F.S	0.6m Below F.S
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m ³	1.92	1.98	1.92
Field Moisture Content %	17.8	14.2	22.6
Field Dry Density (FDD) t/m ³	1.63	1.73	1.56
Peak Converted Wet Density t/m ³	1.91	1.91	1.97
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	85.5	76.0	102.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	3.0	4.5	-0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	100.5	103.5	97.5
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 3, CLYDE NORTH

Report No: 1190228-4
Plan 1 of 1



⊕ Denotes Test Locations

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Material Test Report

Report Number: 1190228-5
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 09/04/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3339
Date Sampled: 01/04/2019 11:45
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

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 10 Latham Street Mornington Vic 3931
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Approved Signatory: Scott Walsh
 Lab Manager

NATA Accredited Laboratory Number: 1407

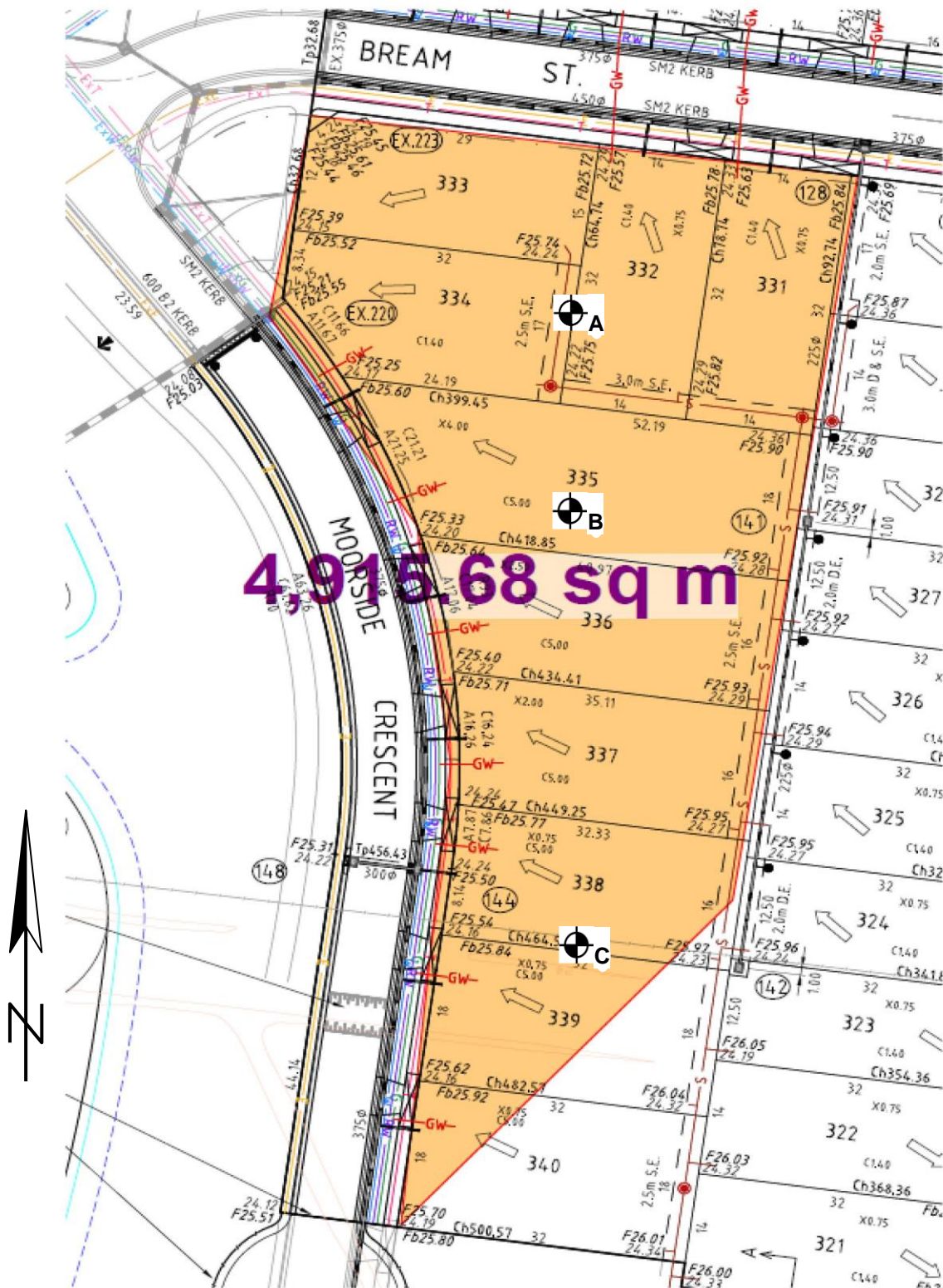
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	191-3339A	191-3339B	191-3339C
Date Tested	01/04/2019	01/04/2019	01/04/2019
Time Tested	12:00	12:10	12:20
Test Request #/Location	See Plan	See Plan	See Plan
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	F.S	F.S	0.4m Below F.S
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m ³	2.02	2.02	2.01
Field Moisture Content %	16.3	21.1	19.2
Field Dry Density (FDD) t/m ³	1.73	1.67	1.69
Peak Converted Wet Density t/m ³	2.01	2.04	2.00
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	95.5	103.0	96.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	1.0	-0.5	0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	100.5	98.5	100.5
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 3, CLYDE NORTH

Report No: 1190228-5
Plan 1 of 1



⊙ Denotes Test Locations

NOT TO SCALE

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Material Test Report

Report Number: 1190228-7
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 07/05/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3517
Date Sampled: 29/04/2019 9:30
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Civiltest Pty Ltd
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 10 Latham Street Mornington Vic 3931
 Phone: (03) 5975 6644
 Fax: (03) 5975 9589
 Email: scott.walsh@civilttest.com.au



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Scott Walsh
 Lab Manager

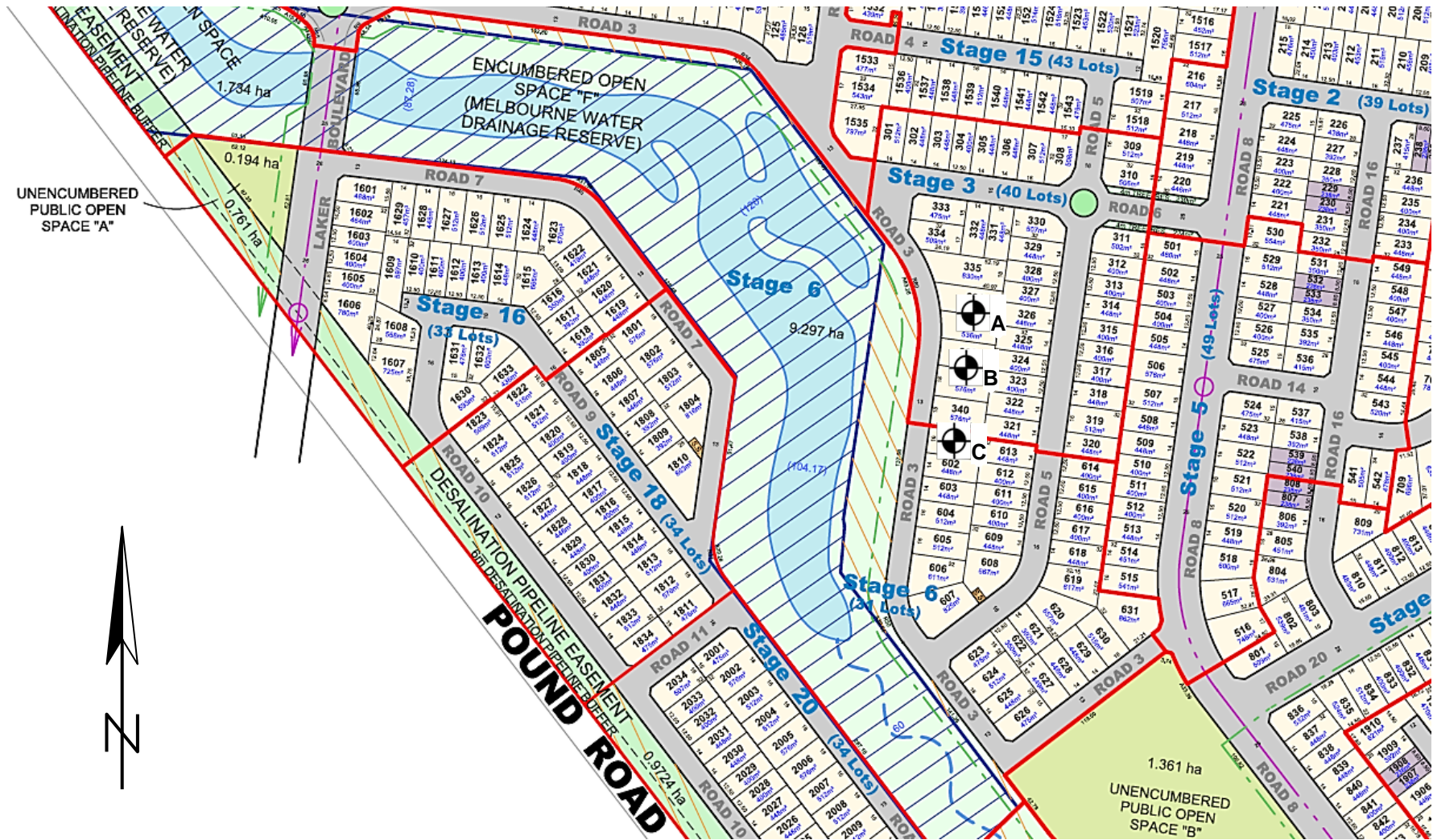
NATA Accredited Laboratory Number: 1407

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	191-3517A	191-3517B	191-3517C
Date Tested	29/04/2019	29/04/2019	29/04/2019
Time Tested	09:30	09:40	09:50
Test Request #/Location	See Plan	See Plan	See Plan
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	F.S	F.S	1.0m Below F.S
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m ³	1.99	1.95	1.98
Field Moisture Content %	16.4	17.2	17.8
Field Dry Density (FDD) t/m ³	1.71	1.67	1.68
Peak Converted Wet Density t/m ³	1.94	1.93	1.95
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	87.0	86.0	87.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	2.5	3.0	2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	102.5	101.0	101.5
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 3, CLYDE NORTH

Report No: 1190228-7
Plan 1 of 1



⊕ Denotes Test Locations

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Material Test Report

Report Number: 1190228-10
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 15/05/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3584
Date Sampled: 09/05/2019 12:15
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Civiltest Pty Ltd
 Mornington Laboratory
 10 Latham Street Mornington Vic 3931
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 Fax: (03) 5975 9589
 Email: scott.walsh@civilttest.com.au

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Approved Signatory: Scott Walsh
 Lab Manager

NATA Accredited Laboratory Number: 1407

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	191-3584A	191-3584B	191-3584C
Date Tested	09/05/2019	09/05/2019	09/05/2019
Time Tested	12:25	12:40	12:50
Test Request #/Location	See Plan	See Plan	See Plan
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	1.2m Below F.L	1.3m Below F.L	1.4m Below F.L
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m ³	2.04	1.92	1.98
Field Moisture Content %	23.1	20.0	23.0
Field Dry Density (FDD) t/m ³	1.66	1.60	1.61
Peak Converted Wet Density t/m ³	2.06	2.04	2.07
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	111.5	100.0	113.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	-2.5	0.0	-2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	99.5	94.0	96.0
Compaction Method	Standard	Standard	Standard

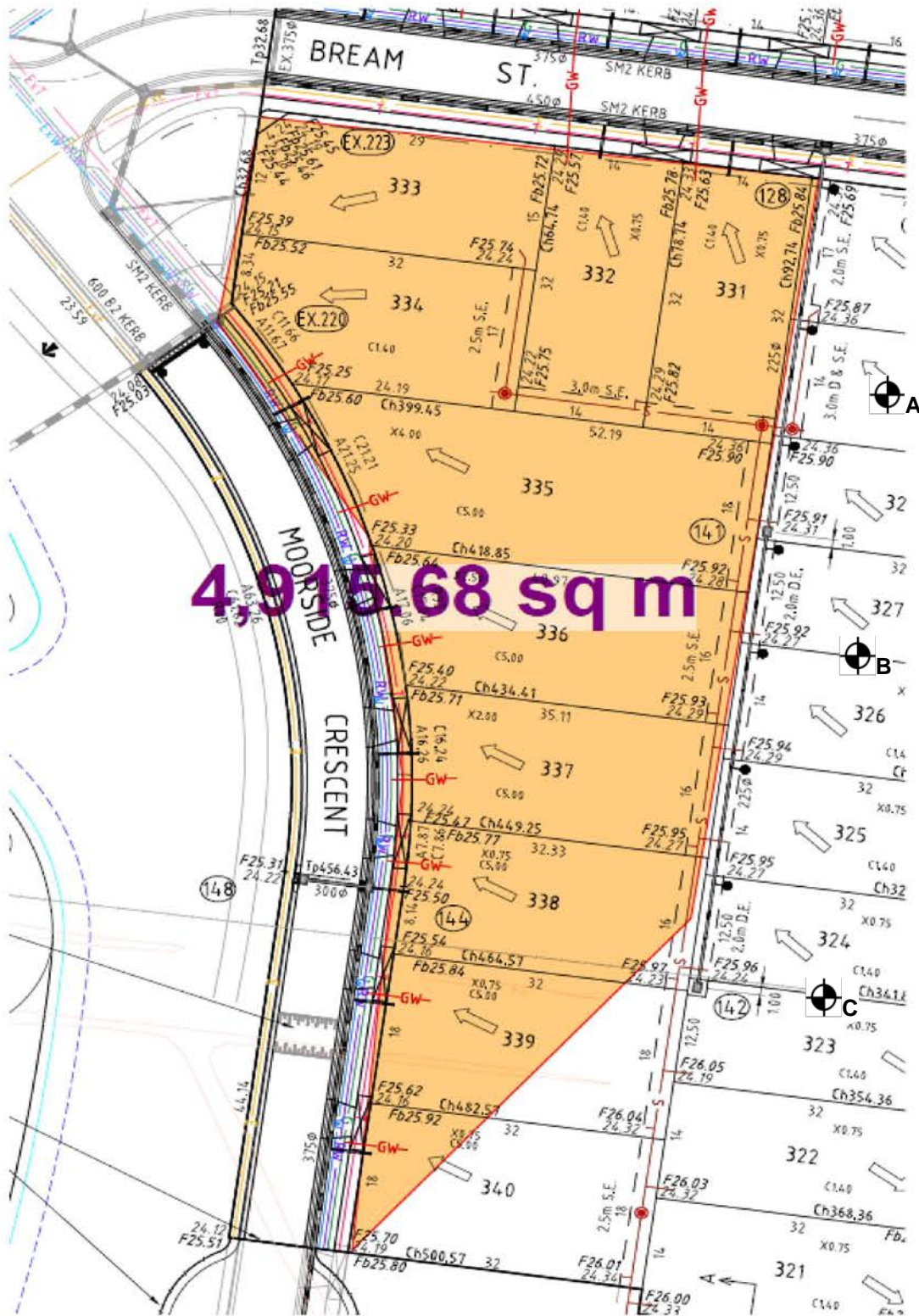
Moisture Variation Note:

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

LOCATION OF TEST SITES

HONOUR VILLAGE STAGE 3, CLYDE NORTH

Report No: 1190228-10
Plan 1 of 1



⊙ Denotes Test Locations

NOT TO SCALE

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

Material Test Report

Report Number: 1190228-12
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 22/05/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3595
Date Sampled: 14/05/2019 9:30
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Sites selected by Civiltest

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Approved Signatory: Scott Walsh
 Lab Manager

NATA Accredited Laboratory Number: 1407

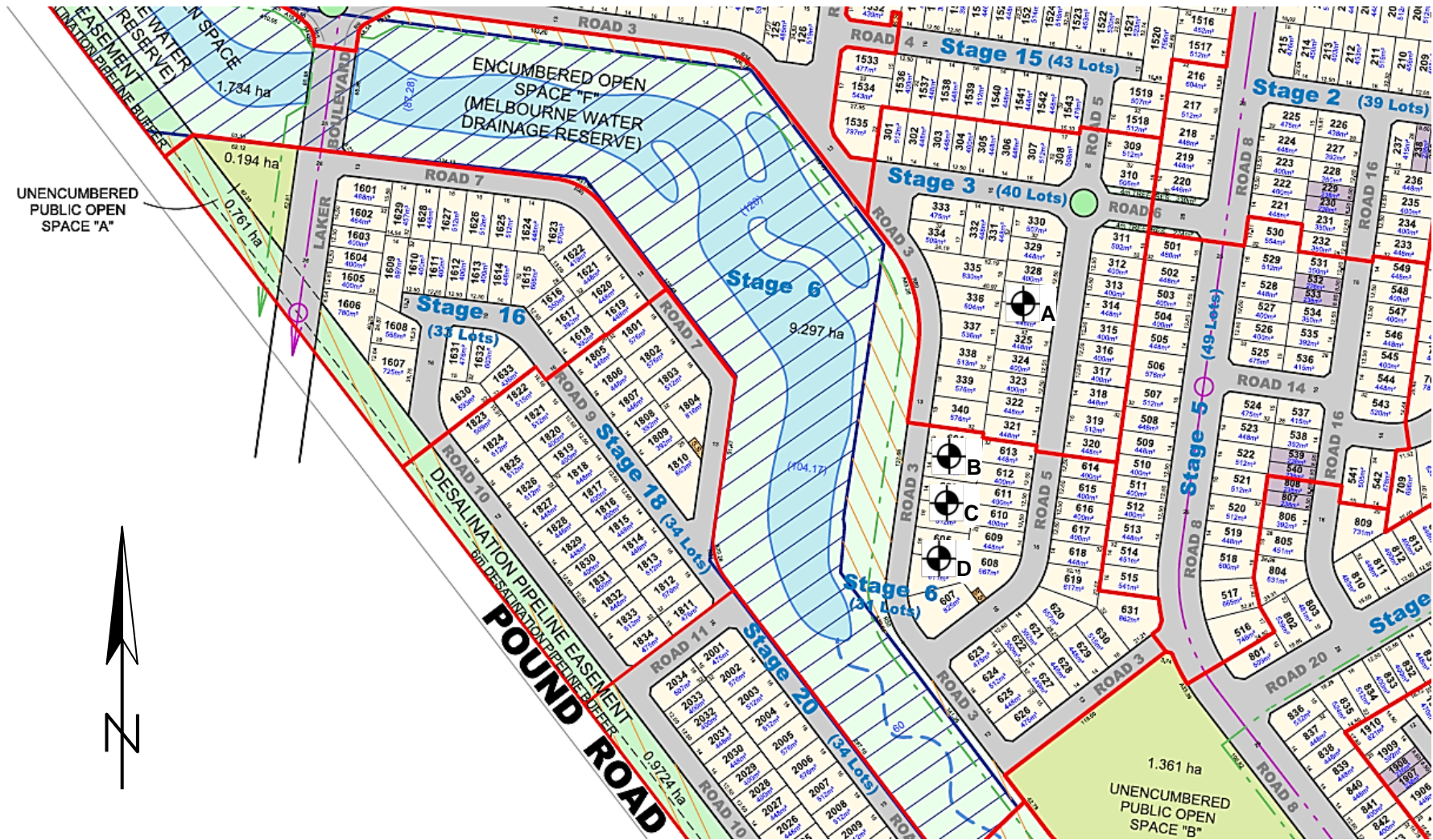
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	191-3595A	191-3595B	191-3595C	191-3595D
Date Tested	14/05/2019	14/05/2019	14/05/2019	14/05/2019
Time Tested	09:50	10:00	10:10	10:20
Test Request #/Location	See plan Re-Test 191-3584B	See plan	See plan	See plan
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	1.3m Below F.S	0.5m Below F.S	0.5m Below F.S	0.5m Below F.S
Thickness of Layer (mm)	300	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty	CLAY 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 (%)	**	**	**	**
Field Wet Density (FWD) t/m ³	2.00	1.99	2.02	2.01
Field Moisture Content %	21.2	21.8	21.7	23.0
Field Dry Density (FDD) t/m ³	1.65	1.64	1.66	1.63
Peak Converted Wet Density t/m ³	2.03	2.03	2.06	2.05
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	111.0	110.5	111.5	110.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	-2.0	-2.0	-2.0	-2.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	98.5	98.0	98.5	98.0
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 3, CLYDE NORTH

Report No: 1190228-12
Plan 1 of 1



⊕ Denotes Test Locations

NOT TO SCALE

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

Material Test Report

Report Number: 1190228-14
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 22/05/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3615
Date Sampled: 16/05/2019 9:45
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Sites selected by Civiltest

Civiltest Pty Ltd
 Mornington Laboratory
 10 Latham Street Mornington Vic 3931
 Phone: (03) 5975 6644
 Fax: (03) 5975 9589
 Email: scott.walsh@civilttest.com.au



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Scott Walsh
 Lab Manager

NATA Accredited Laboratory Number: 1407

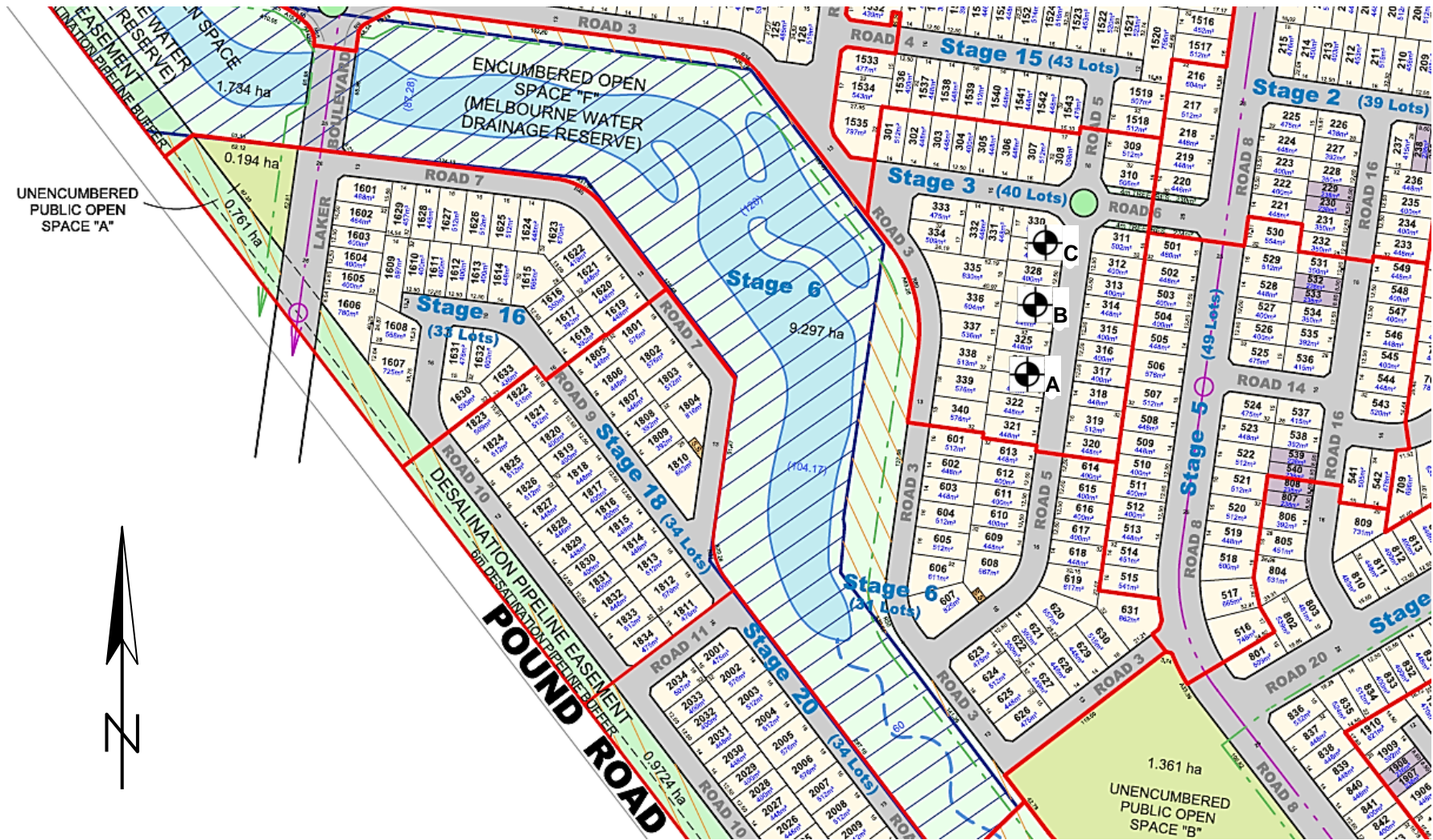
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	191-3615A	191-3615B	191-3615C
Date Tested	16/05/2019	16/05/2019	16/05/2019
Time Tested	10:10	10:20	10:30
Test Request #/Location	See Plan	See Plan	See Plan
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	1.3m Below F.S	1.3m Below F.S	1.1m Below F.S
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m ³	1.97	1.98	2.00
Field Moisture Content %	27.5	22.6	23.2
Field Dry Density (FDD) t/m ³	1.55	1.62	1.62
Peak Converted Wet Density t/m ³	2.00	2.06	2.05
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	111.0	118.5	112.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	-2.5	-3.5	-2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	98.5	96.5	97.0
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 3, CLYDE NORTH

Report No: 1190228-14
Plan 1 of 1



UNENCUMBERED PUBLIC OPEN SPACE "A"



Denotes Test Locations

NOT TO SCALE

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

Material Test Report

Report Number: 1190228-15
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 28/05/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3628
Date Sampled: 17/05/2019 9:15
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Civiltest Pty Ltd
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 10 Latham Street Mornington Vic 3931
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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Scott Walsh
 Lab Manager

NATA Accredited Laboratory Number: 1407

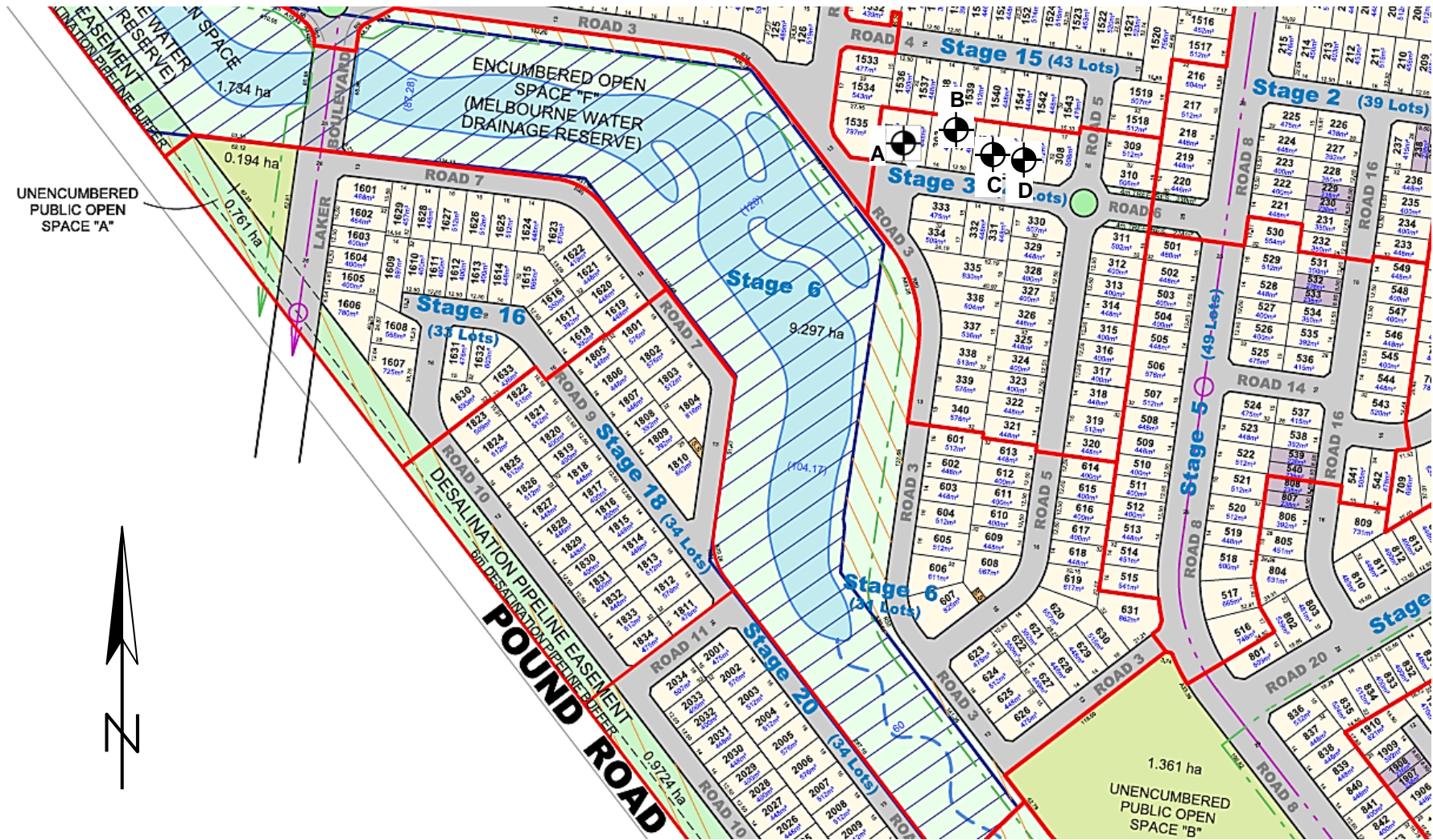
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	191-3628A	191-3628B	191-3628C	191-3628D
Date Tested	17/05/2019	17/05/2019	17/05/2019	17/05/2019
Time Tested	09:15	09:25	09:35	09:40
Test Request #/Location	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	1.3m Below F.L	1.5m Below F.L	1.3m Below F.L	1.3m Below F.L
Thickness of Layer (mm)	300	300	300	300
Soil Description	CLAY silty sandy	CLAY silty sandy	CLAY silty sandy	CLAY silty sandy
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 (%)	**	**	**	**
Field Wet Density (FWD) t/m ³	2.07	2.05	2.08	1.96
Field Moisture Content %	21.4	20.3	21.6	25.5
Field Dry Density (FDD) t/m ³	1.70	1.70	1.71	1.57
Peak Converted Wet Density t/m ³	2.10	2.10	2.06	2.04
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	114.5	113.5	111.5	113.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	-2.5	-2.5	-2.0	-2.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	98.5	97.5	101.0	96.0
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 3, CLYDE NORTH

Report No: 1190228-15
Plan 1 of 1



⊕ Denotes Test Locations

NOT TO SCALE

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

Material Test Report

Report Number: 1190228-17
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 03/06/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3646
Date Sampled: 21/05/2019 9:30
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Sites selected by Civiltest

Civiltest Pty Ltd
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 10 Latham Street Mornington Vic 3931
 Phone: (03) 5975 6644
 Fax: (03) 5975 9589
 Email: scott.walsh@civilttest.com.au



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Scott Walsh
 Lab Manager

NATA Accredited Laboratory Number: 1407

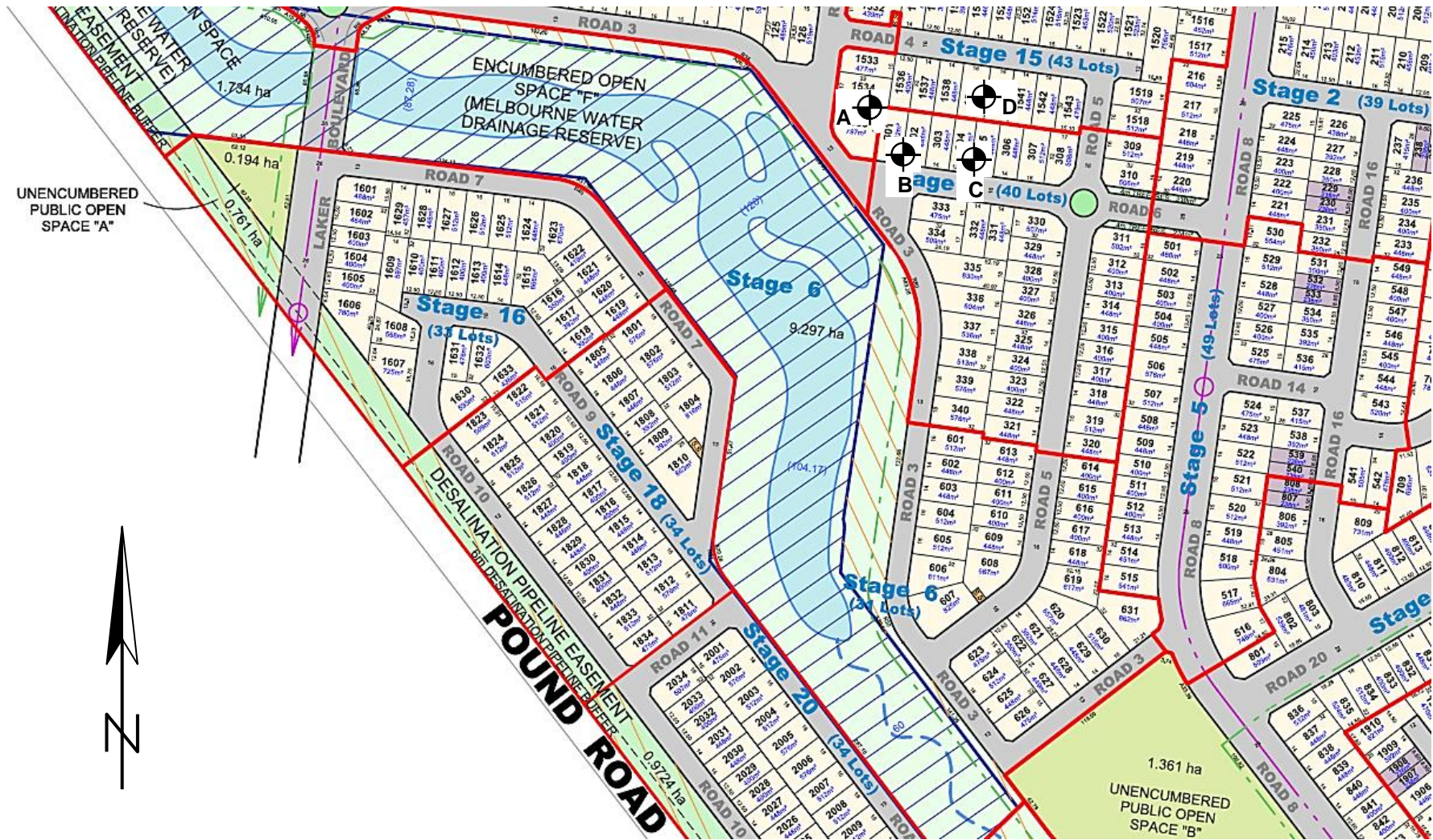
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	191-3646A	191-3646B	191-3646C	191-3646D
Date Tested	21/05/2019	21/05/2019	21/05/2019	21/05/2019
Time Tested	10:10	10:20	10:30	10:40
Test Request #/Location	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	1.3m Below F.S	1.1m Below F.S	1.2m Below F.S	1.1m Below F.S
Thickness of Layer (mm)	300	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty	CLAY 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 (%)	**	**	**	**
Field Wet Density (FWD) t/m ³	2.04	2.04	1.99	2.02
Field Moisture Content %	19.7	21.6	22.9	22.7
Field Dry Density (FDD) t/m ³	1.71	1.68	1.62	1.65
Peak Converted Wet Density t/m ³	2.05	2.03	2.09	2.06
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	99.5	101.0	113.5	116.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	0.0	0.0	-2.5	-3.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	100.0	101.0	95.5	98.5
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 3, CLYDE NORTH

Report No: 1190228-17
Plan 1 of 1



⊕ Denotes Test Locations

NOT TO SCALE

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

Material Test Report

Report Number: 1190228-18
Issue Number: 2 - This version supersedes all previous issues
Date Issued: 03/06/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3665
Date Sampled: 23/05/2019 9:30
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Sites selected by Civiltest

Civiltest Pty Ltd
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 10 Latham Street Mornington Vic 3931
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 Fax: (03) 5975 9589
 Email: scott.walsh@civilttest.com.au



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Scott Walsh
 Lab Manager

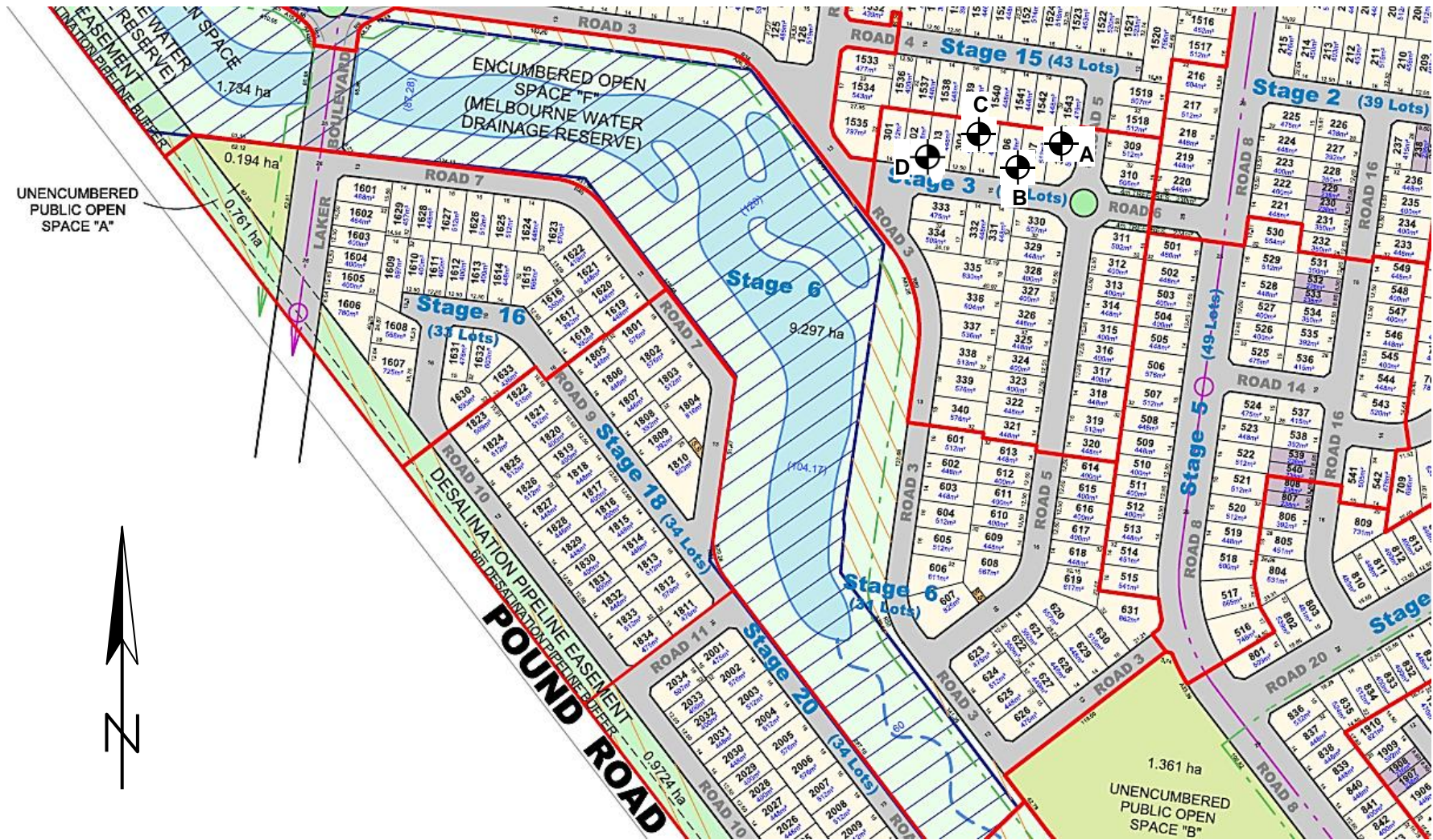
NATA Accredited Laboratory Number: 1407

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	191-3665A	191-3665B	191-3665C	191-3665D
Date Tested	23/05/2019	23/05/2019	23/05/2019	23/05/2019
Time Tested	09:40	09:50	10:00	10:10
Test Request #/Location	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	1.2m Below F.S	1.0m Below F.S	1.0m Below F.S	0.8m Below F.S
Thickness of Layer (mm)	300	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty	CLAY 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 (%)	**	**	**	**
Field Wet Density (FWD) t/m ³	2.03	2.03	1.95	2.03
Field Moisture Content %	21.5	22.8	23.3	23.4
Field Dry Density (FDD) t/m ³	1.67	1.66	1.58	1.64
Peak Converted Wet Density t/m ³	2.03	2.04	1.91	2.00
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	100.5	109.0	102.0	111.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	0.0	-2.0	-0.5	-2.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	100.0	99.5	102.0	101.0
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 3, CLYDE NORTH

Report No: 1190228-18
Plan 1 of 1



⊕ Denotes Test Locations

NOT TO SCALE

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

Material Test Report

Report Number: 1190228-38
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 05/08/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3793
Date Sampled: 01/08/2019 7:30
Dates Tested: 01/08/2019 - 01/08/2019
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

Accredited for compliance with ISO/IEC 17025 - Testing



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

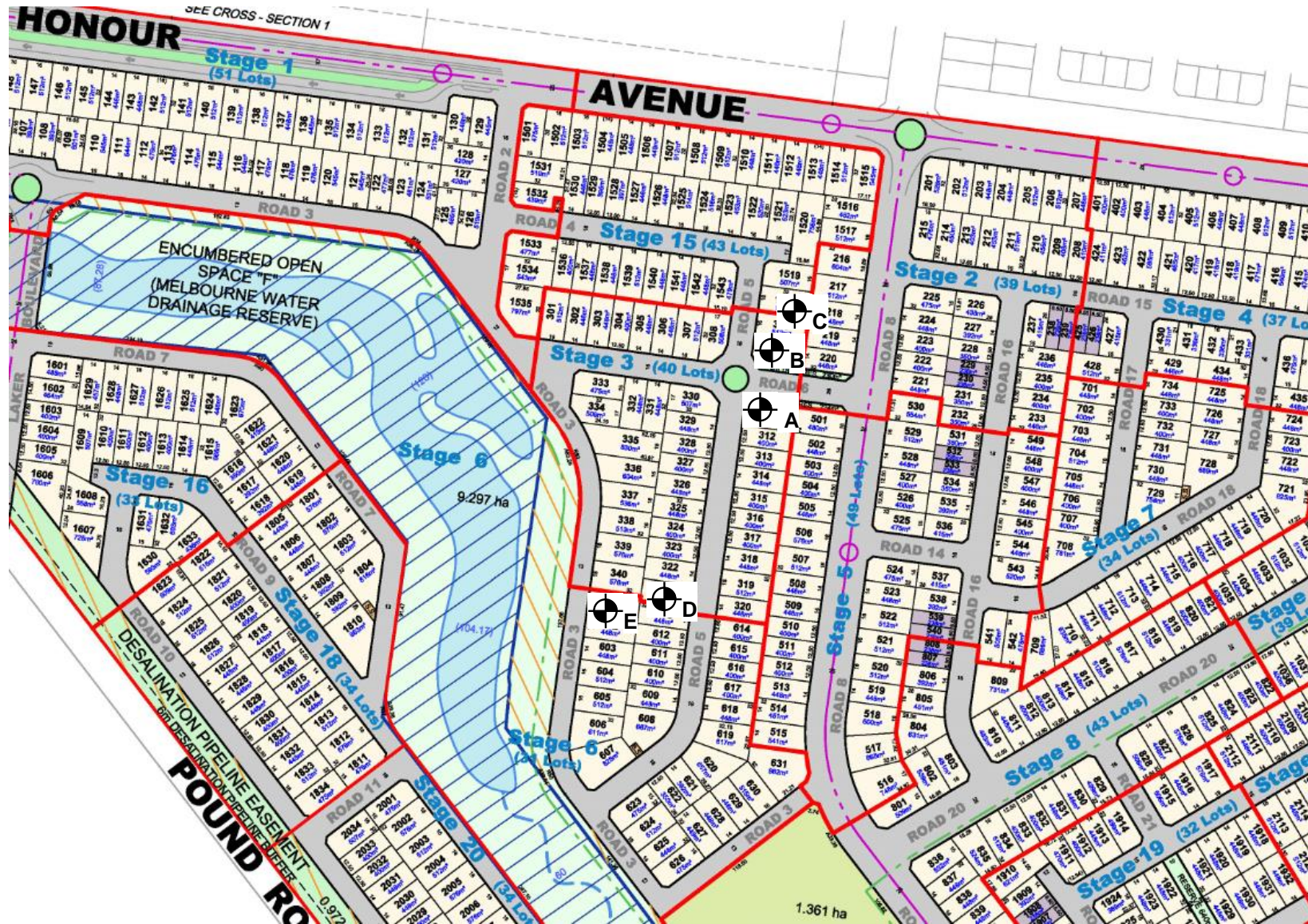
Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1

	192-3793A	192-3793B	192-3793C	192-3793D	192-3793E
Sample Number	192-3793A	192-3793B	192-3793C	192-3793D	192-3793E
Date Tested	01/08/2019	01/08/2019	01/08/2019	01/08/2019	01/08/2019
Time Tested	07:50	08:00	08:10	08:15	08:20
Test Request #/Location	Lot 311	Lot 310	Lots 1518/309	Lots 321/613	Lot 601
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	1.5m Below F.S	1.9m Below F.S	1.9m Below F.S	0.8 m Below F.S	0.7 m Below F.S
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	CLAY silty	CLAY silty	CLAY silty	CLAY silty	CLAY 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 ³	1.93	1.91	1.93	1.92	1.92
Field Moisture Content %	31.0	28.7	26.4	30.6	28.3
Field Dry Density (FDD) t/m ³	1.47	1.48	1.53	1.47	1.50
Peak Converted Wet Density t/m ³	1.88	1.91	1.92	1.94	1.95
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	106.0	100.0	108.0	100.5	107.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	-1.5	0.0	-2.0	0.0	-2.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	102.5	100.0	100.5	99.0	99.0
Compaction Method	Standard	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 3, 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: 1190228-40
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: plan added
Date Issued: 06/08/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 4070
Date Sampled: 29/07/2019 14:30
Dates Tested: 29/07/2019 - 02/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard

Civiltest Pty Ltd
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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Scott Walsh
 Lab Manager

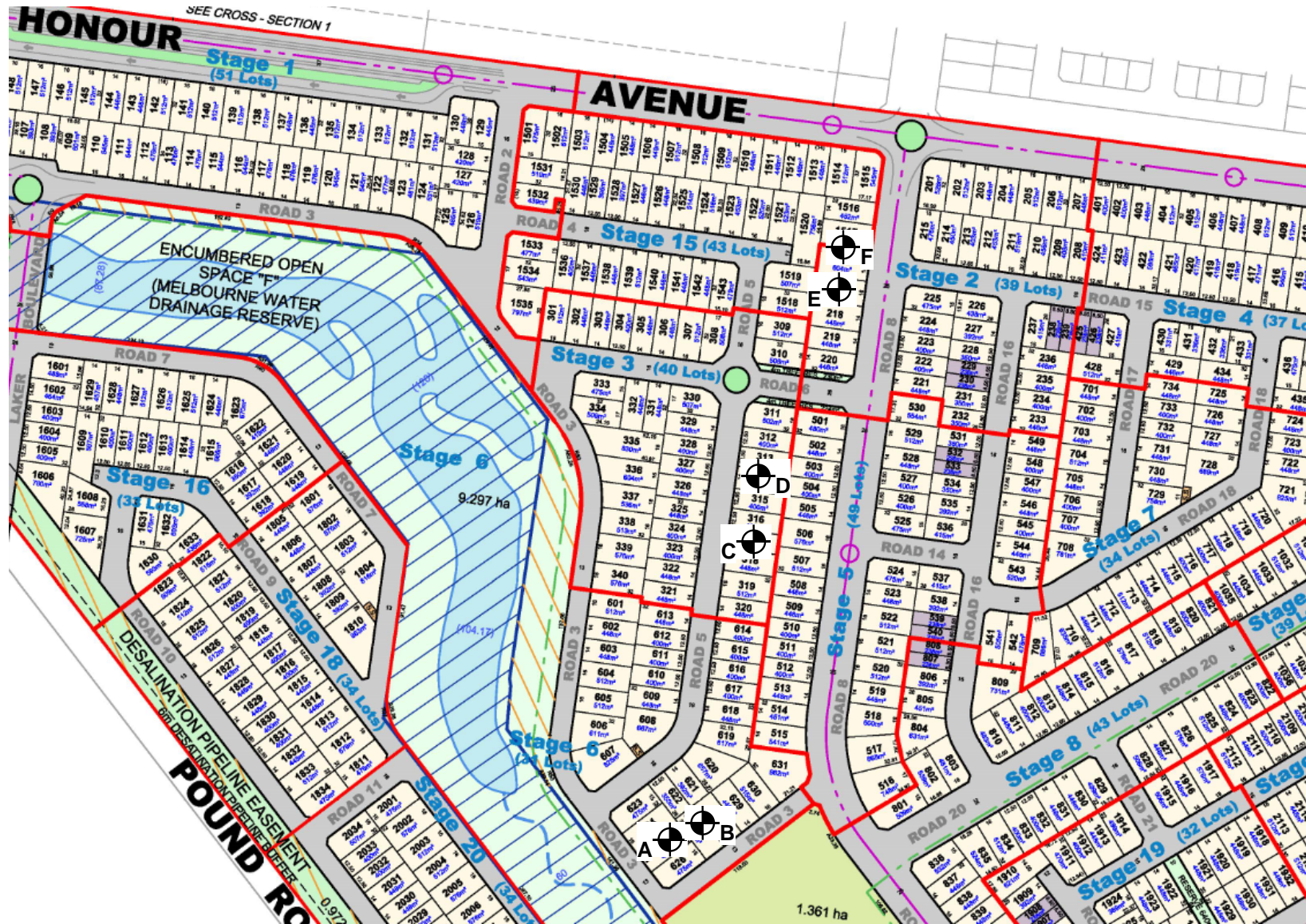
NATA Accredited Laboratory Number: 1407

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	191-4070A	191-4070B	191-4070C	191-4070D	191-4070E	191-4070F
Date Tested	29/07/2019	29/07/2019	29/07/2019	29/07/2019	29/07/2019	29/07/2019
Time Tested	14:30	14:40	14:50	15:00	15:10	15:20
Test Request #/Location	See plan lot 625	See plan lot 622 Retest 191-4061J	See plan lot 317	See plan lot 314	See plan lot 217	See plan lot border 1517 & 216
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	800mm below fsl	900mm below fsl	1400mm below fsl	1600mm below fsl	2000mm below fsl	1500mm below fsl
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 (%)	**	**	**	**	**	**
Field Wet Density (FWD) t/m ³	2.07	1.92	1.94	1.89	1.88	2.01
Field Moisture Content %	28.1	29.0	29.6	28.2	27.2	24.7
Field Dry Density (FDD) t/m ³	1.61	1.49	1.50	1.47	1.47	1.61
Peak Converted Wet Density t/m ³	1.90	1.96	1.99	1.98	1.95	1.95
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	107.5	109.0	110.0	112.5	113.5	99.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-2.0	-2.5	-2.5	-3.0	-3.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	108.5	98.5	97.5	95.5	96.0	103.0
Compaction Method	Standard	Standard	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 3, 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: 1190228-41
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 08/08/2019
Client: Australand Residential No 156 Pty Ltd
 Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3783
Date Sampled: 31/07/2019 2:00
Dates Tested: 31/07/2019 - 05/08/2019
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

Accredited for compliance with ISO/IEC 17025 - Testing



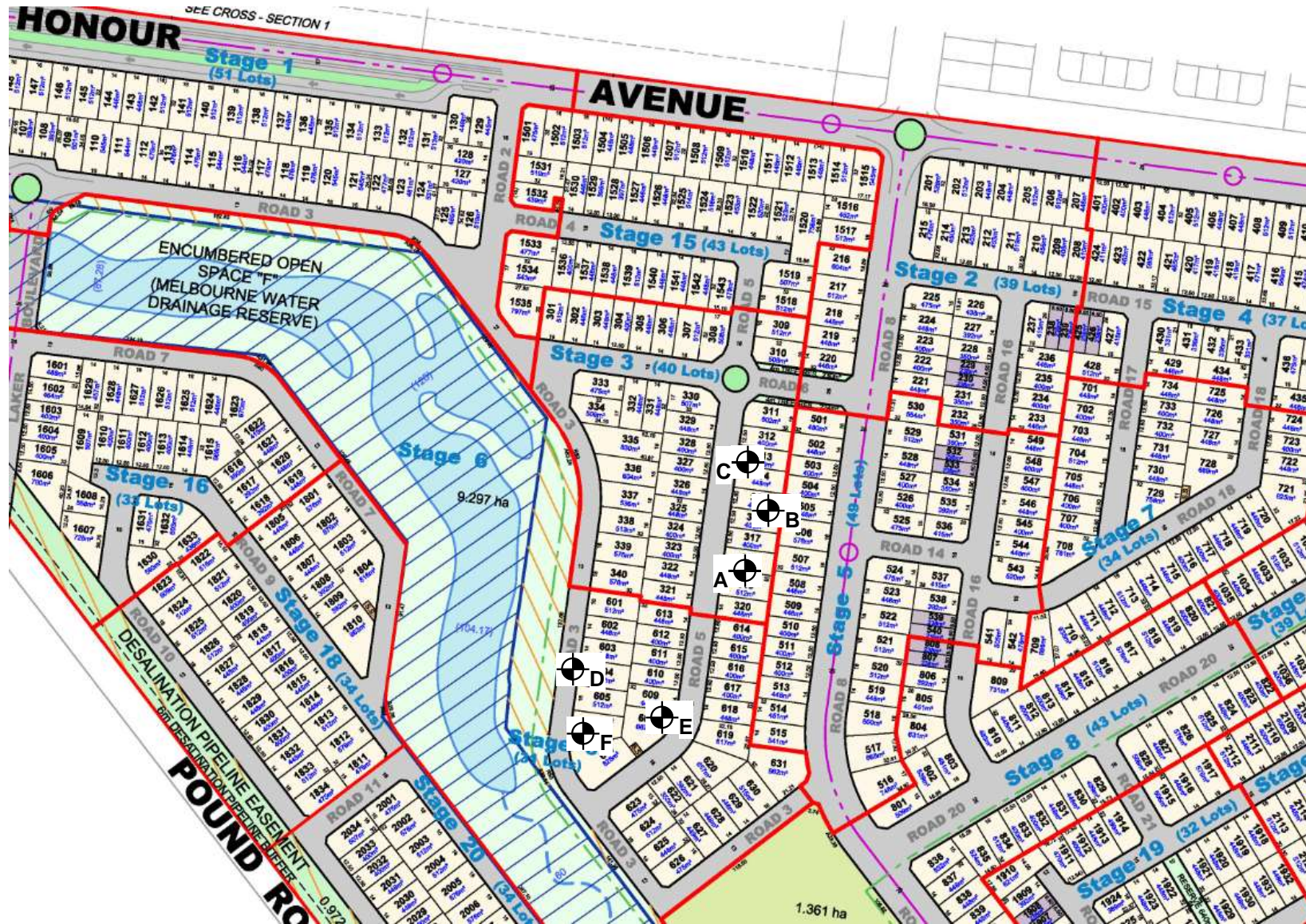
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	192-3783A	192-3783B	192-3783C	192-3783D	192-3783E	192-3783F
Date Tested	31/07/2019	31/07/2019	31/07/2019	31/07/2019	31/07/2019	31/07/2019
Time Tested	02:15	02:25	02:35	03:00	03:15	03:45
Test Request #/Location	Lot 318-319	Lot 315-316	Lot 313-314	Lot 603-604	Lot 608-609	Lot 606
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.4m Below F.S	1.4m Below F.S	1.5m Below F.S	1.1m Below F.S	1.1m Below F.S	1m Below F.S
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Sandy Silty CLAY	Sandy Silty CLAY	Sandy Silty CLAY	Sandy Silty CLAY	Sandy Silty CLAY	Sandy Silty CLAY
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 ³	1.92	1.91	1.92	1.92	1.92	1.93
Field Moisture Content %	24.6	24.3	26.1	29.2	27.4	30.1
Field Dry Density (FDD) t/m ³	1.54	1.54	1.52	1.49	1.50	1.48
Peak Converted Wet Density t/m ³	1.92	1.95	1.95	1.98	2.00	1.90
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	101.5	126.5	109.0	122.0	115.5	100.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	-5.0	-2.0	-5.0	-3.5	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	100.0	98.5	98.5	97.0	95.5	101.5
Compaction Method	Standard	Standard	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 3, 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: 1190228-53
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 19/08/2019
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: 3904
Date Sampled: 15/08/2019 7:30
Dates Tested: 15/08/2019 - 16/08/2019
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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 Mitcham Laboratory
 Unit 7/38 Thornton Crescent Mitcham Vic 3132
 Phone: (03) 9874 5844
 Email: scott.flood@civiltest.com.au

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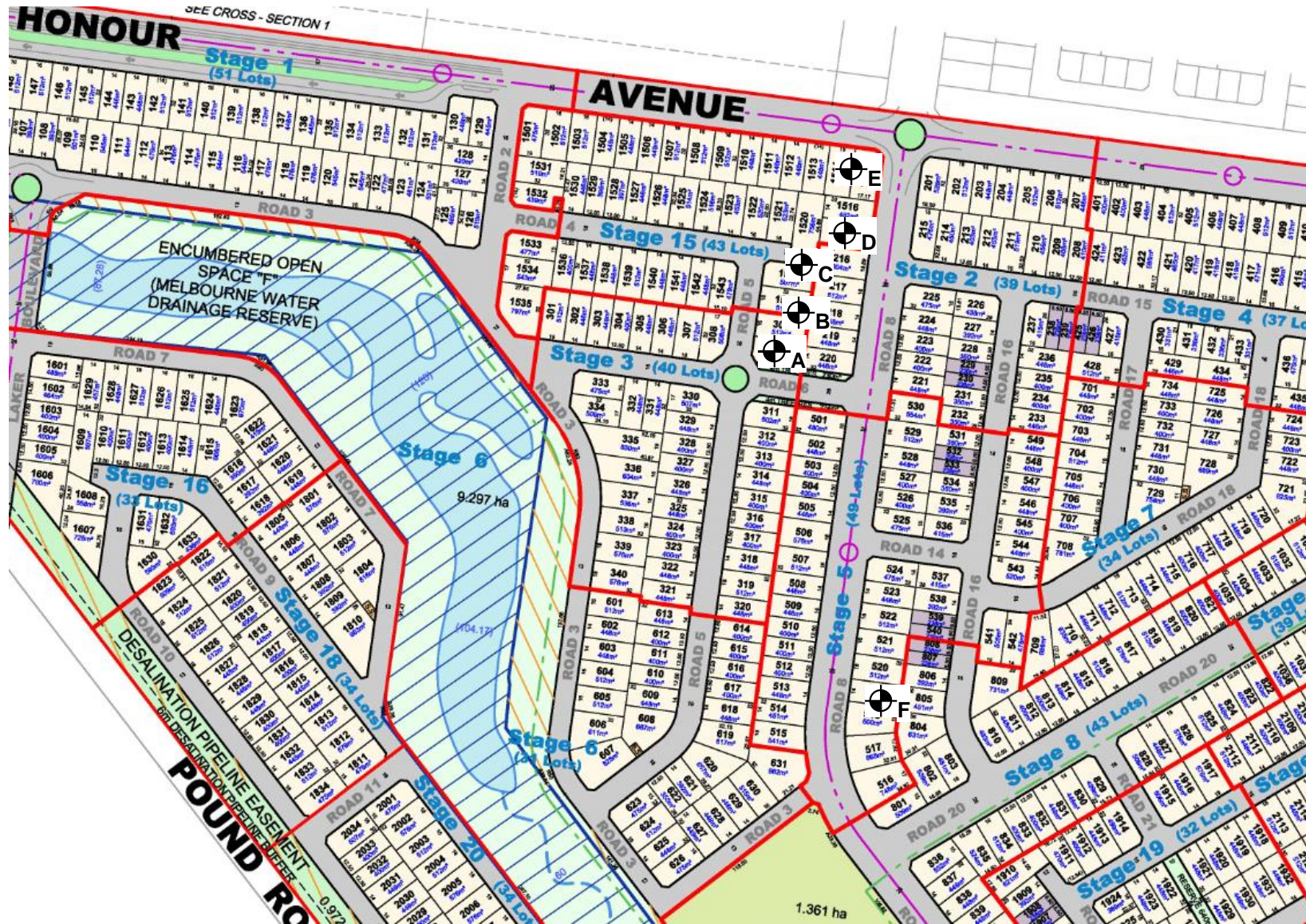
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-3904A	192-3904B	192-3904C	192-3904D	192-3904E
Date Tested	15/08/2019	15/08/2019	15/08/2019	15/08/2019	15/08/2019
Time Tested	08:25	08:34	08:46	09:00	09:13
Test Request #/Location	Lot 310	Lots 309/1518	Lots 1519/1520	Lot 1517	Lot 1514/1515
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	1.1m Below F.S	1.0m Below F.S	1.1m Below F.S	1.1m Below F.S	1.1m 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 ³	2.01	1.99	2.01	2.00	2.00
Field Moisture Content %	27.7	28.1	27.9	28.3	27.3
Field Dry Density (FDD) t/m ³	1.58	1.56	1.57	1.56	1.57
Peak Converted Wet Density t/m ³	1.98	1.93	2.00	2.02	2.03
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	103.5	96.5	100.5	99.5	100.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	-1.0	1.0	0.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	101.5	103.5	100.5	99.0	99.0
Compaction Method	Standard	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 3, 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: 1190228-71
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 05/09/2019
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: 4040
Date Sampled: 03/09/2019 1:00
Dates Tested: 03/09/2019 - 04/09/2019
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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 Phone: (03) 9874 5844
 Email: scott.flood@civilttest.com.au

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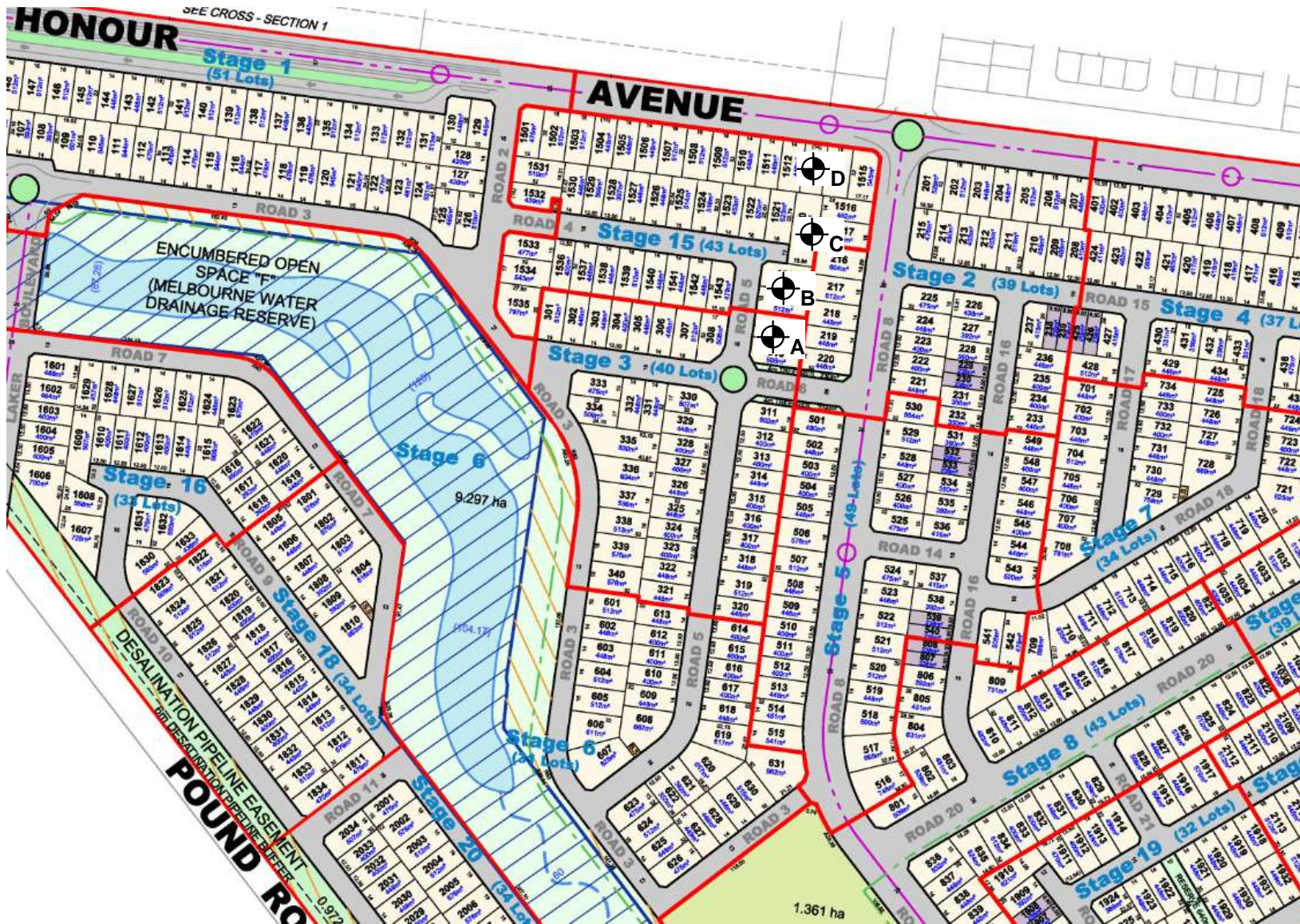
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	192-4040A	192-4040B	192-4040C	192-4040D
Date Tested	02/09/2019	02/09/2019	02/09/2019	02/09/2019
Time Tested	**	**	**	**
Test Request #/Location	Lots 309/310	Lots 1518/1519	Lot 1520	Lot 1513
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	600mm Below F.S	500mm Below F.S	500mm Below F.S	500mm 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	2.03	2.04
Field Moisture Content %	29.6	29.5	30.8	30.0
Field Dry Density (FDD) t/m ³	1.55	1.57	1.55	1.57
Peak Converted Wet Density t/m ³	2.02	2.03	2.03	2.04
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	99.0	97.5	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 (%)	99.5	99.5	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 3, CLYDE NORTH



⊕ Denotes Test Locations

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NOT TO SCALE

Material Test Report

Report Number: 1190228-74
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 11/09/2019
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: 4065
Date Sampled: 04/09/2019 1:00
Dates Tested: 05/09/2019 - 05/09/2019
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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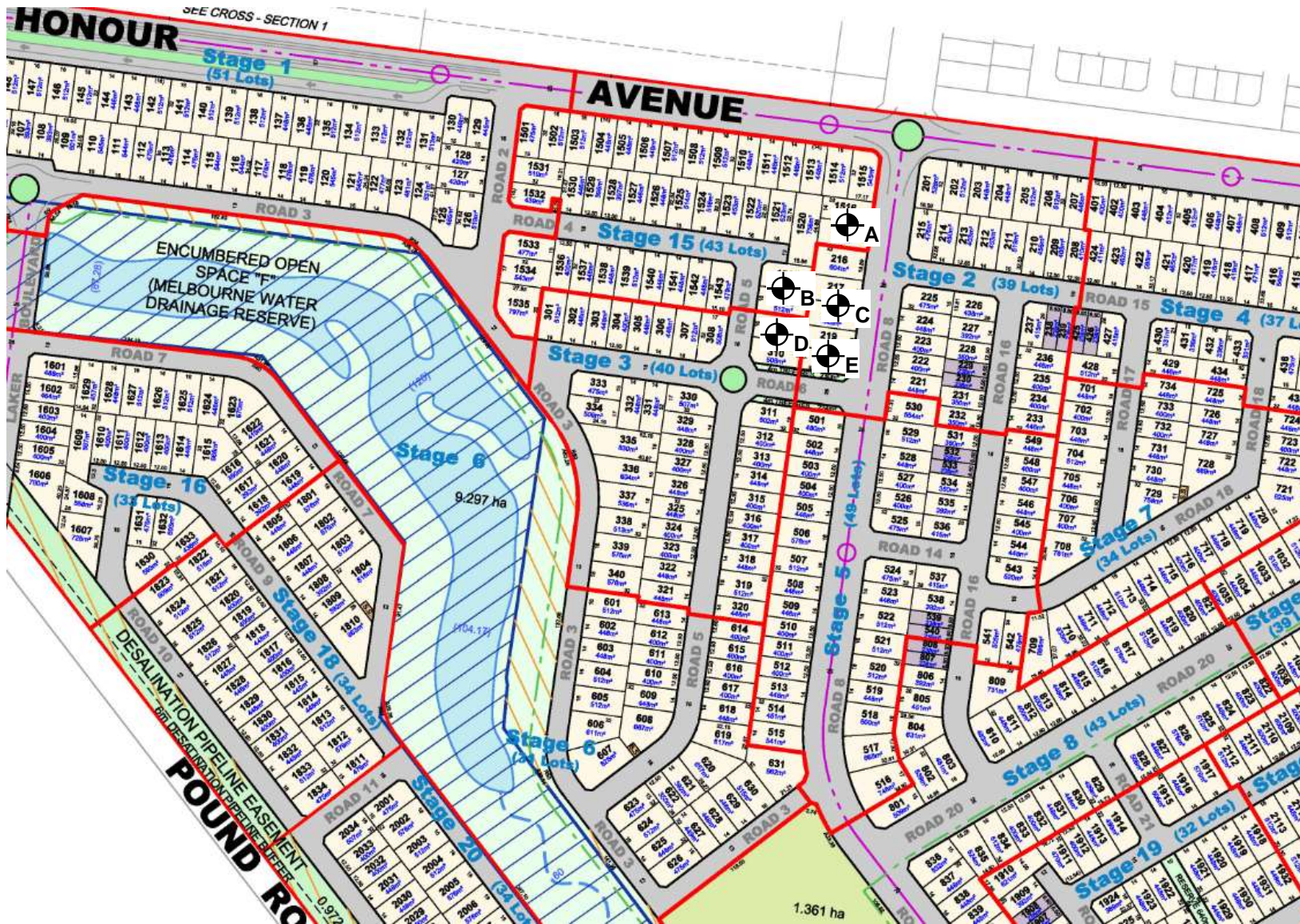


Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-4065A	192-4065B	192-4065C	192-4065D	192-4065E
Date Tested	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019
Time Tested	01:55	02:00	03:05	03:10	03:15
Test Request #/Location	Lots 1518/1519	Lots 216/217	Lots 218/219	Lots 309/310	Lot 220
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	Final	Final	Final	Final	Final
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 ³	2.03	2.00	2.00	2.03	2.00
Field Moisture Content %	27.1	29.7	30.1	30.0	30.7
Field Dry Density (FDD) t/m ³	1.60	1.54	1.54	1.56	1.53
Peak Converted Wet Density t/m ³	2.04	2.01	2.02	2.04	2.00
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.0	96.5	96.5	97.0	98.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	1.0	1.0	1.0	1.0	0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	99.5	99.0	99.0	99.5	99.5
Compaction Method	Standard	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 3, CLYDE NORTH



⊕ Denotes Test Locations

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NOT TO SCALE

Material Test Report

Report Number: 1190228-82
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 19/09/2019
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: 4151
Date Sampled: 13/09/2019 1:00
Dates Tested: 13/09/2019 - 16/09/2019
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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 Phone: (03) 9874 5844
 Email: scott.flood@civilttest.com.au

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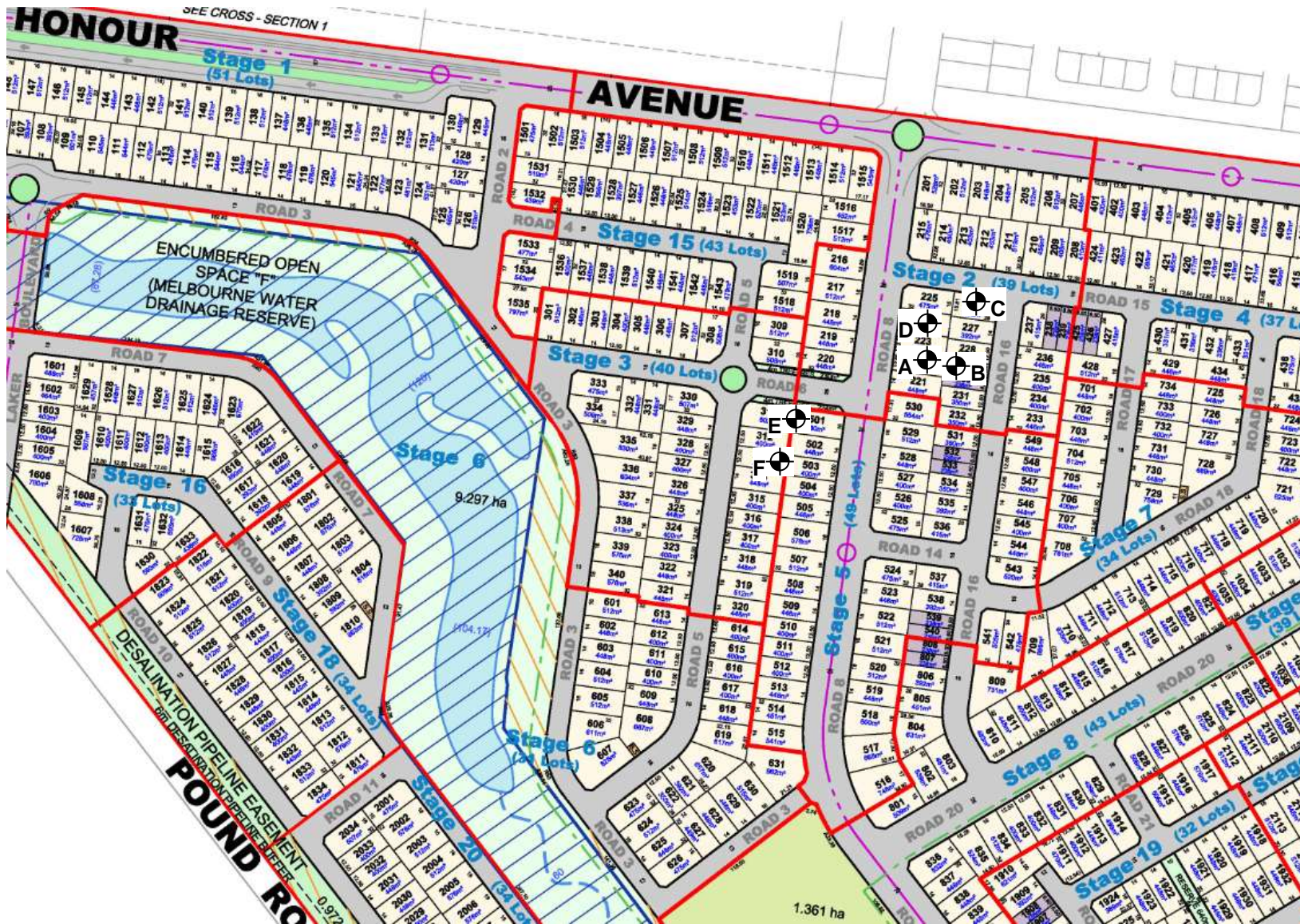


Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	192-4151A	192-4151B	192-4151C	192-4151D	192-4151E	192-4151F
Date Tested	13/09/2019	13/09/2019	13/09/2019	13/09/2019	13/09/2019	13/09/2019
Time Tested	01:20	01:25	01:30	01:35	03:10	03:20
Test Request #/Location	Lot 222	Lot 229	Lot 226	Lot 224	Lots 331/501	Lots 313/503
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	Final	Final	Final	Final	1.2m Below F.S	1.2m 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 ³	1.97	1.99	1.99	1.99	1.98	1.97
Field Moisture Content %	23.8	24.5	25.0	25.7	25.9	25.1
Field Dry Density (FDD) t/m ³	1.59	1.60	1.59	1.58	1.57	1.58
Peak Converted Wet Density t/m ³	2.00	2.01	2.01	2.01	2.01	2.01
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.0	97.0	98.0	98.0	99.0	98.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.5	0.5	0.0	0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	98.5	99.0	99.0	99.0	98.5	98.0
Compaction Method	Standard	Standard	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



⊕ Denotes Test Locations

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Material Test Report

Report Number: 1190228-89
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 30/09/2019
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: 4252
Date Sampled: 24/09/2019 7:30
Dates Tested: 24/09/2019 - 26/09/2019
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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 Email: scott.flood@civilttest.com.au

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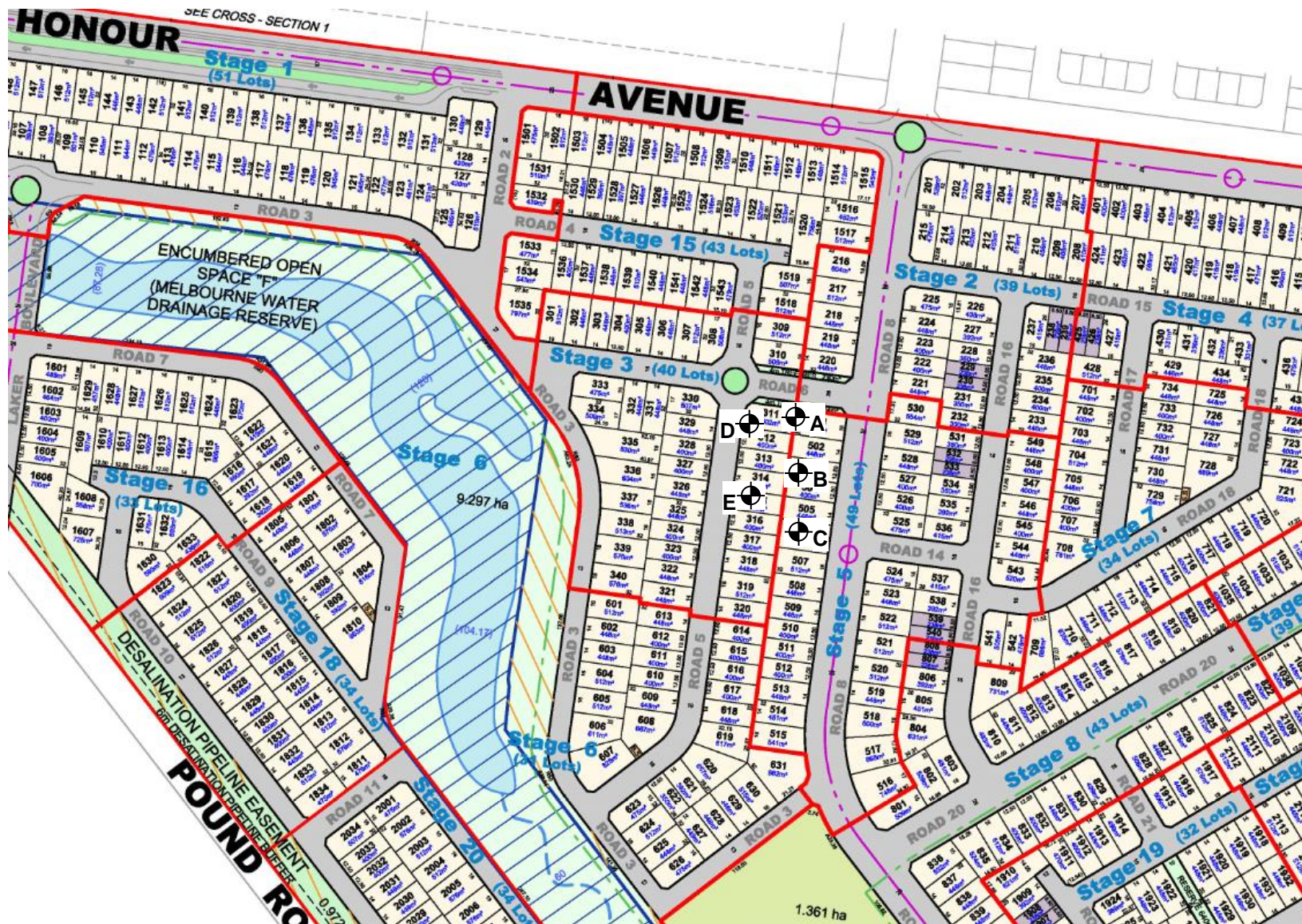
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-4252A	192-4252B	192-4252C	192-4252D	192-4252E
Date Tested	24/09/2019	24/09/2019	24/09/2019	24/09/2019	24/09/2019
Time Tested	03:20	03:25	03:30	09:10	09:15
Test Request #/Location	Lots 311/501	Lots 503/504	Lot 506	Lots 311/312	Lot 315
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	400mm Below F.S	400mm Below F.S	400mm Below F.S	700mm Below F.S	800mm 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 ³	2.02	2.02	2.02	1.97	1.98
Field Moisture Content %	25.5	23.7	23.3	24.8	25.2
Field Dry Density (FDD) t/m ³	1.61	1.64	1.63	1.58	1.58
Peak Converted Wet Density t/m ³	2.02	2.04	2.02	2.00	1.99
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.5	97.0	97.5	98.5	97.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.5	0.5	0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	99.5	99.5	99.5	98.5	99.0
Compaction Method	Standard	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



⊕ 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: 1190228-90
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 30/09/2019
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: 4270
Date Sampled: 25/09/2019 7:30
Dates Tested: 25/09/2019 - 26/09/2019
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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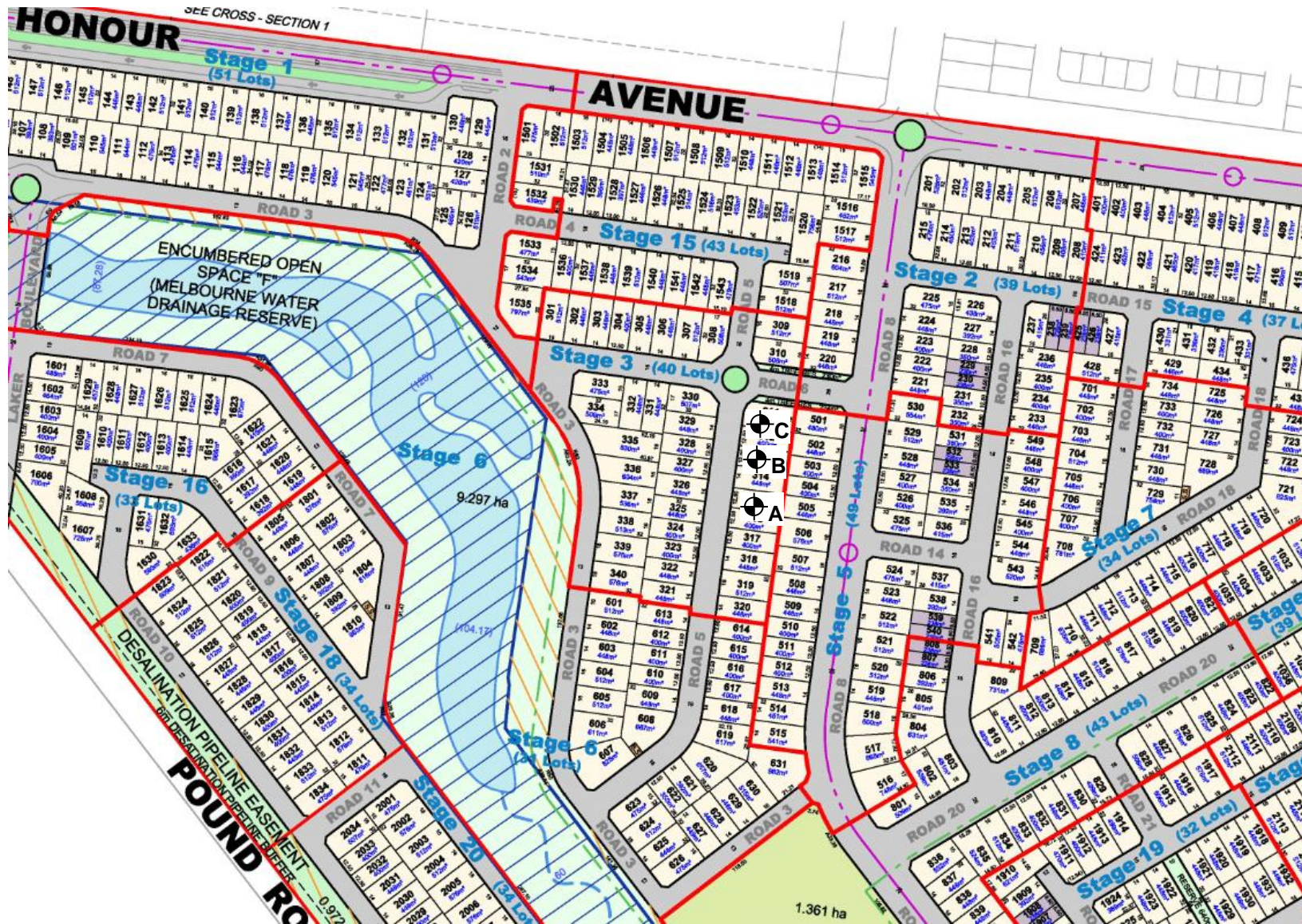
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4270A	192-4270B	192-4270C
Date Tested	25/09/2019	25/09/2019	25/09/2019
Time Tested	02:35	02:40	02:50
Test Request #/Location	Lots 315/316	Lot 313	Lots 311/312
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	400mm Below F.S	400mm Below F.S	400mm 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	1.98	1.99
Field Moisture Content %	23.2	26.3	26.9
Field Dry Density (FDD) t/m ³	1.62	1.57	1.57
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	97.5	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 (%)	99.5	99.5	99.5
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



⊕ 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: 1190228-93
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 03/10/2019
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: 4289
Date Sampled: 26/09/2019 7:30
Dates Tested: 26/09/2019 - 30/09/2019
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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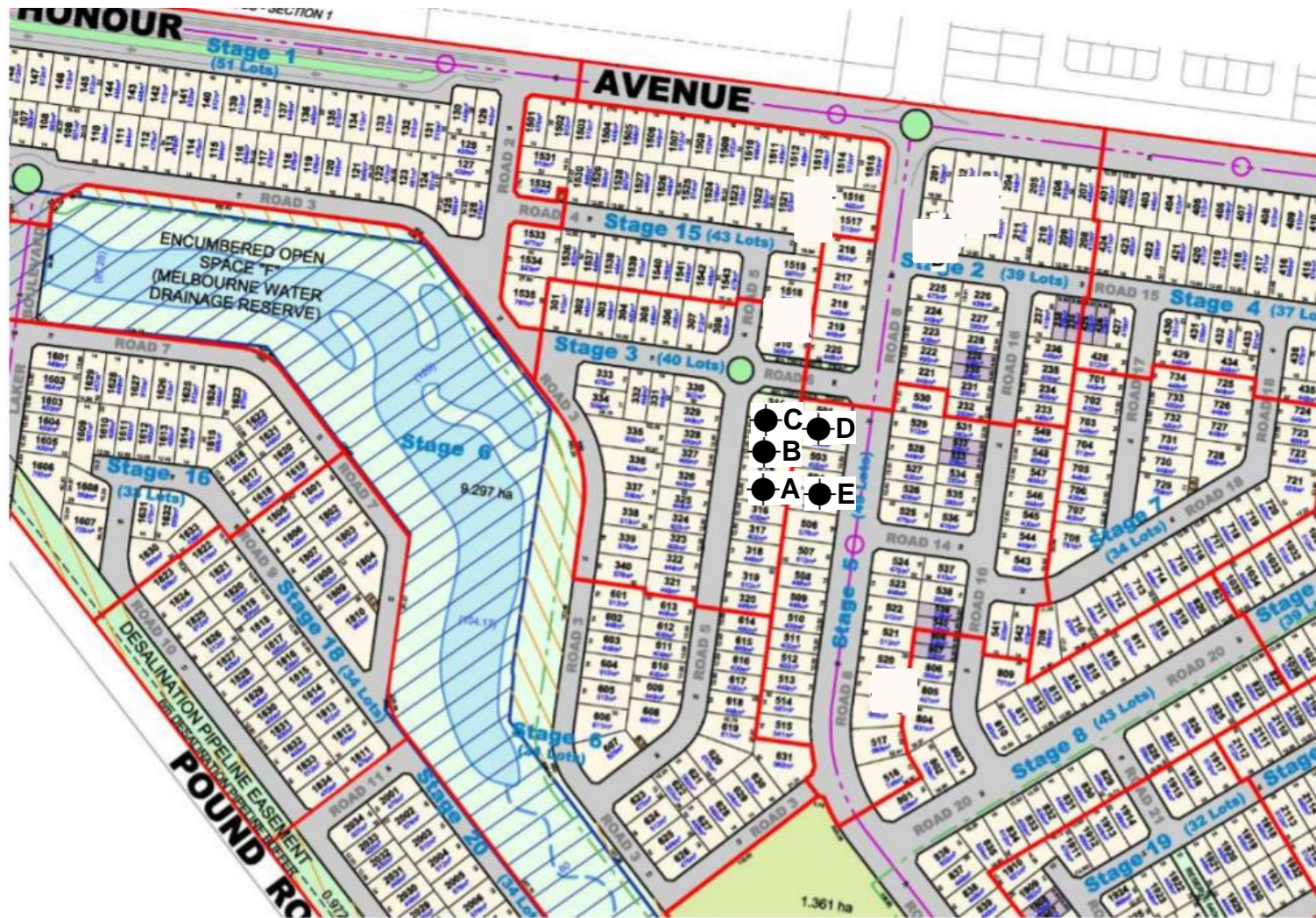


Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-4289A	192-4289B	192-4289C	192-4289D	192-4289E
Date Tested	26/09/2019	26/09/2019	26/09/2019	26/09/2019	26/09/2019
Time Tested	02:15	02:20	02:25	02:30	02:35
Test Request #/Location	Lots 314/315	Lot 313	Lots 311/312	Lot 502	Lot 505
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	F.L	F.L	F.L	F.L	F.L
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 ³	1.98	2.00	1.96	1.96	2.00
Field Moisture Content %	24.3	24.2	26.5	24.0	23.0
Field Dry Density (FDD) t/m ³	1.59	1.61	1.55	1.58	1.62
Peak Converted Wet Density t/m ³	2.00	2.01	1.99	1.99	2.01
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	96.0	97.5	97.5	97.0	97.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	1.0	0.5	0.5	1.0	0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	99.0	99.5	98.5	98.5	99.0
Compaction Method	Standard	Standard	Standard	Standard	Standard

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: 1190228-97
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 14/10/2019
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: 4363
Date Sampled: 07/10/2019 7:30
Dates Tested: 07/10/2019 - 08/10/2019
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

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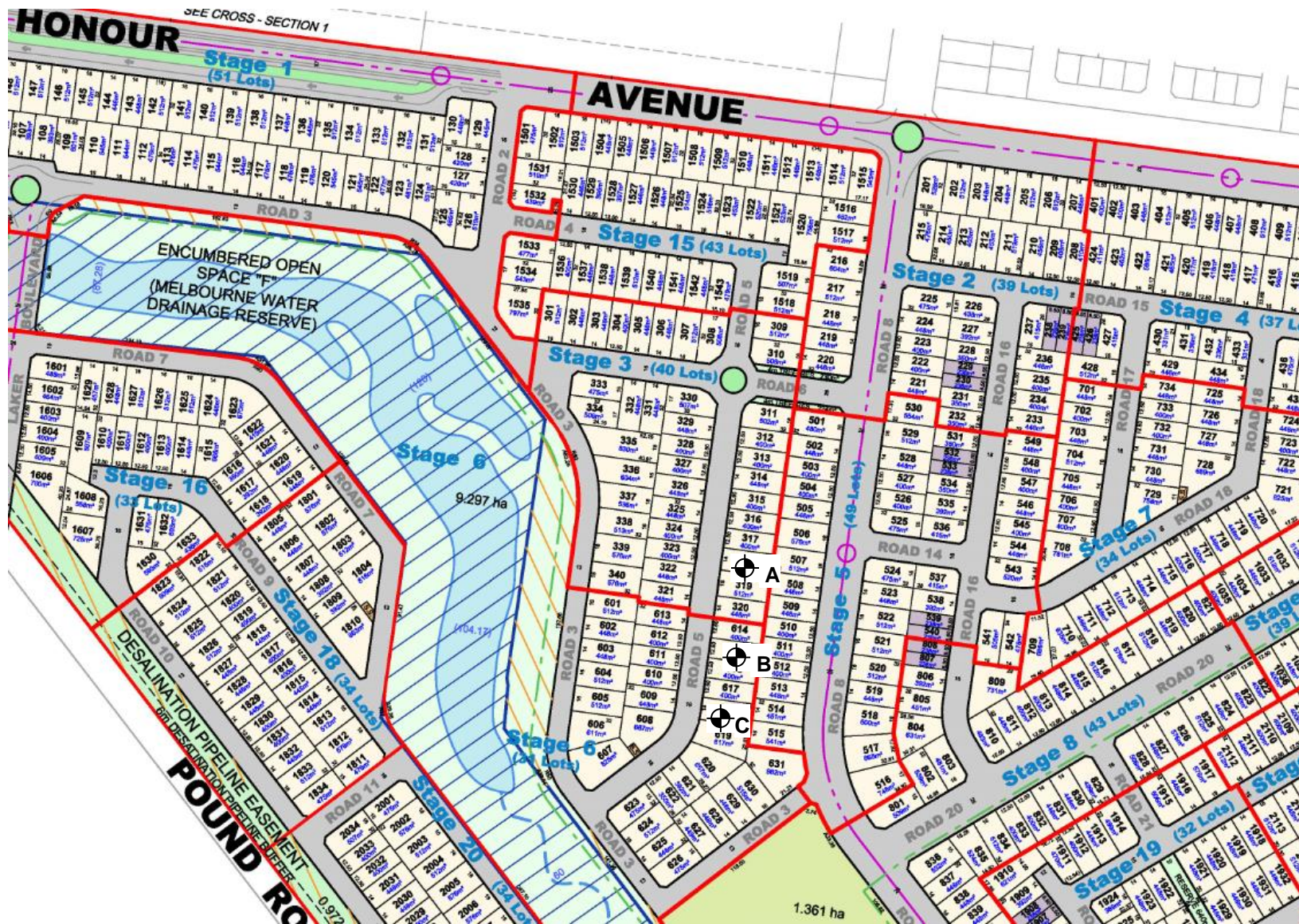
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4363A	192-4363B	192-4363C
Date Tested	07/10/2019	07/10/2019	07/10/2019
Time Tested	02:00	02:05	02:10
Test Request #/Location	Lots 318/319	Lots 315/316	Lots 618/619
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	400mm Below F.S	400mm Below F.S	400mm 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	1.98	1.99
Field Moisture Content %	26.5	28.0	25.4
Field Dry Density (FDD) t/m ³	1.58	1.55	1.59
Peak Converted Wet Density t/m ³	2.00	2.00	2.01
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	98.0	96.5	97.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.5	1.0	0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	99.5	99.0	99.5
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



⊕ 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: 1190228-100
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 16/10/2019
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: 4383
Date Sampled: 09/10/2019 7:30
Dates Tested: 09/10/2019 - 11/10/2019
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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 Phone: (03) 9874 5844
 Email: scott.flood@civilttest.com.au

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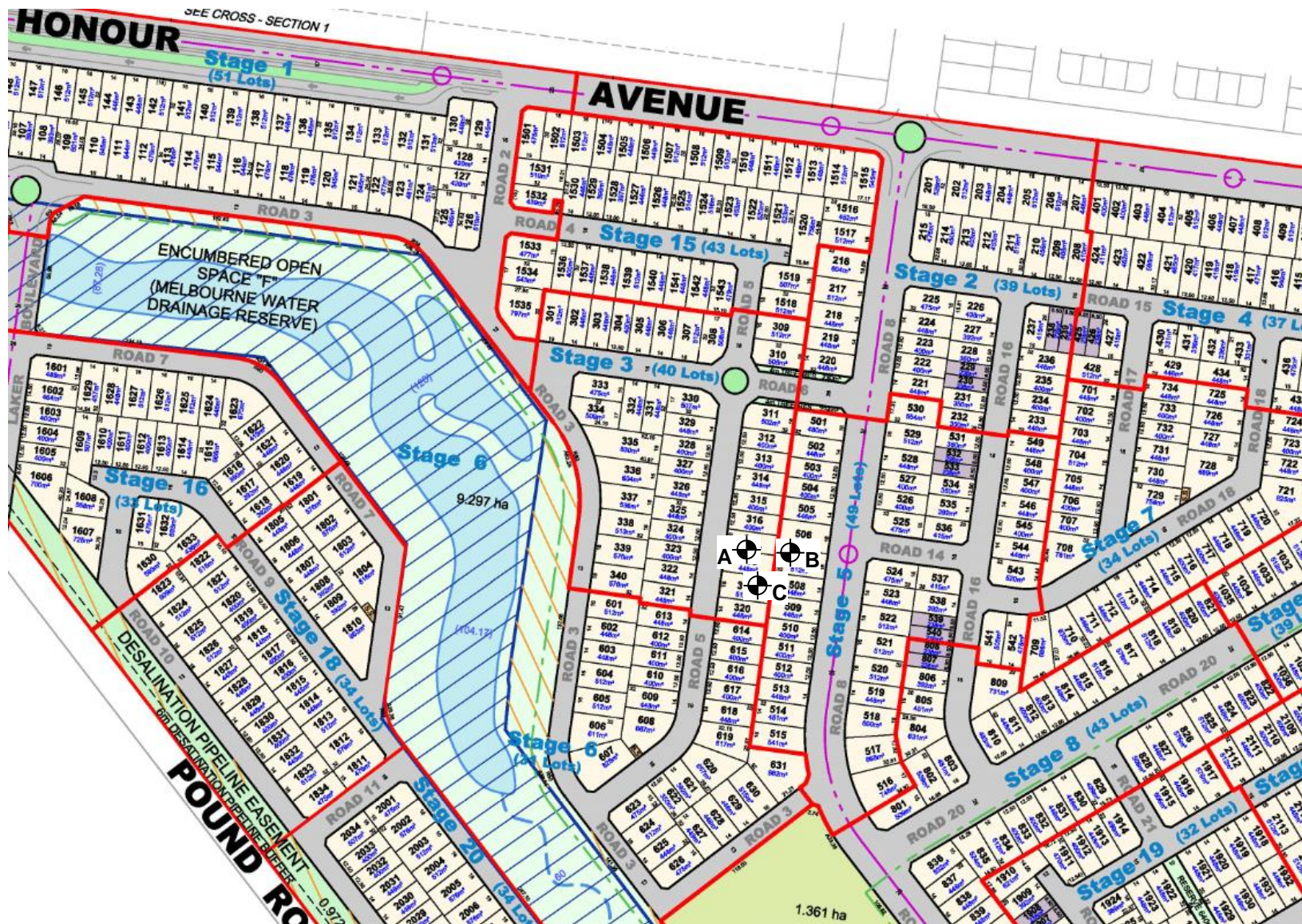


Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4383A	192-4383B	192-4383C
Date Tested	09/10/2019	09/10/2019	09/10/2019
Time Tested	15:10	15:14	15:31
Test Request #/Location	Lots 317/318	Lot 507	Lot 319
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	F.S	F.S	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	1.99	1.98
Field Moisture Content %	27.9	27.1	27.1
Field Dry Density (FDD) t/m ³	1.55	1.57	1.56
Peak Converted Wet Density t/m ³	2.00	2.02	2.01
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	98.0	97.0	97.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.5	1.0	1.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	99.0	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



⊕ 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: 1190228-111
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 29/10/2019
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: 4537
Date Sampled: 24/10/2019 7:30
Dates Tested: 24/10/2019 - 28/10/2019
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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 Phone: (03) 9874 5844
 Email: scott.flood@civilttest.com.au

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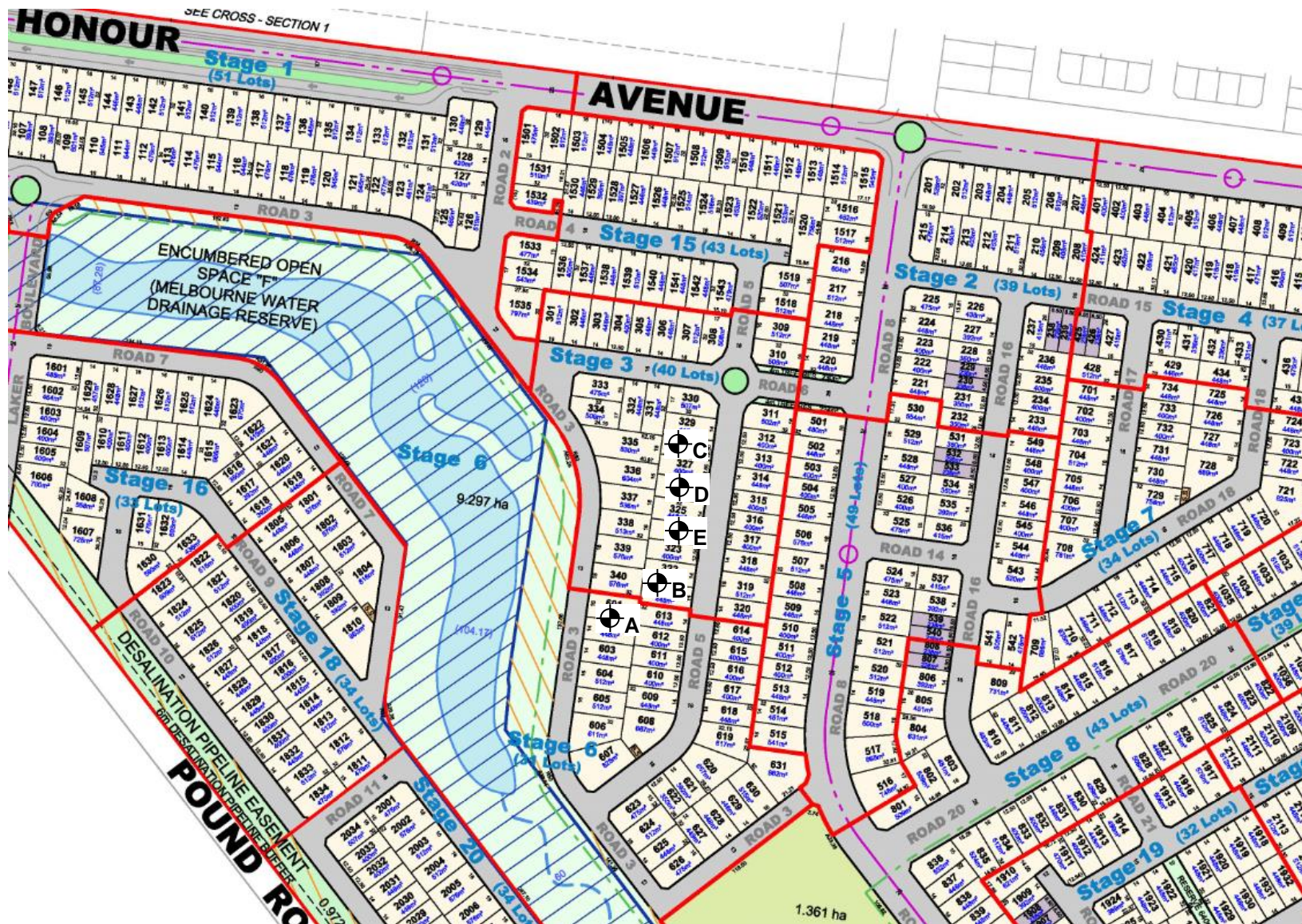
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-4537A	192-4537B	192-4537C	192-4537D	192-4537E
Date Tested	24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019
Time Tested	01:30	01:40	02:00	02:10	02:15
Test Request #/Location	Lots 601/602	Lots 321/322	Lot 328	Lot 326	Lot 324
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	F/L	F/L	800mm Below F.S	800mm Below F.S	800mm 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)	37.5	37.5	37.5	37.5	37.5
Percentage of Wet Oversize (%)	0.0	0.0	0.0	0.0	0.0
Field Wet Density (FWD) t/m ³	1.98	1.98	2.00	2.00	1.98
Field Moisture Content %	24.1	24.1	29.3	27.7	27.8
Field Dry Density (FDD) t/m ³	1.60	1.60	1.55	1.56	1.55
Peak Converted Wet Density t/m ³	2.00	2.01	2.04	2.02	2.01
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	101.5	99.0	106.5	99.5	108.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	0.5	-1.5	0.0	-2.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	99.0	98.5	98.0	99.0	98.5
Compaction Method	Standard	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



⊕ Denotes Test Locations

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NOT TO SCALE

Material Test Report

Report Number: 1190228-112
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 31/10/2019
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: 4570
Date Sampled: 25/10/2019 8:00
Dates Tested: 28/10/2019 - 29/10/2019
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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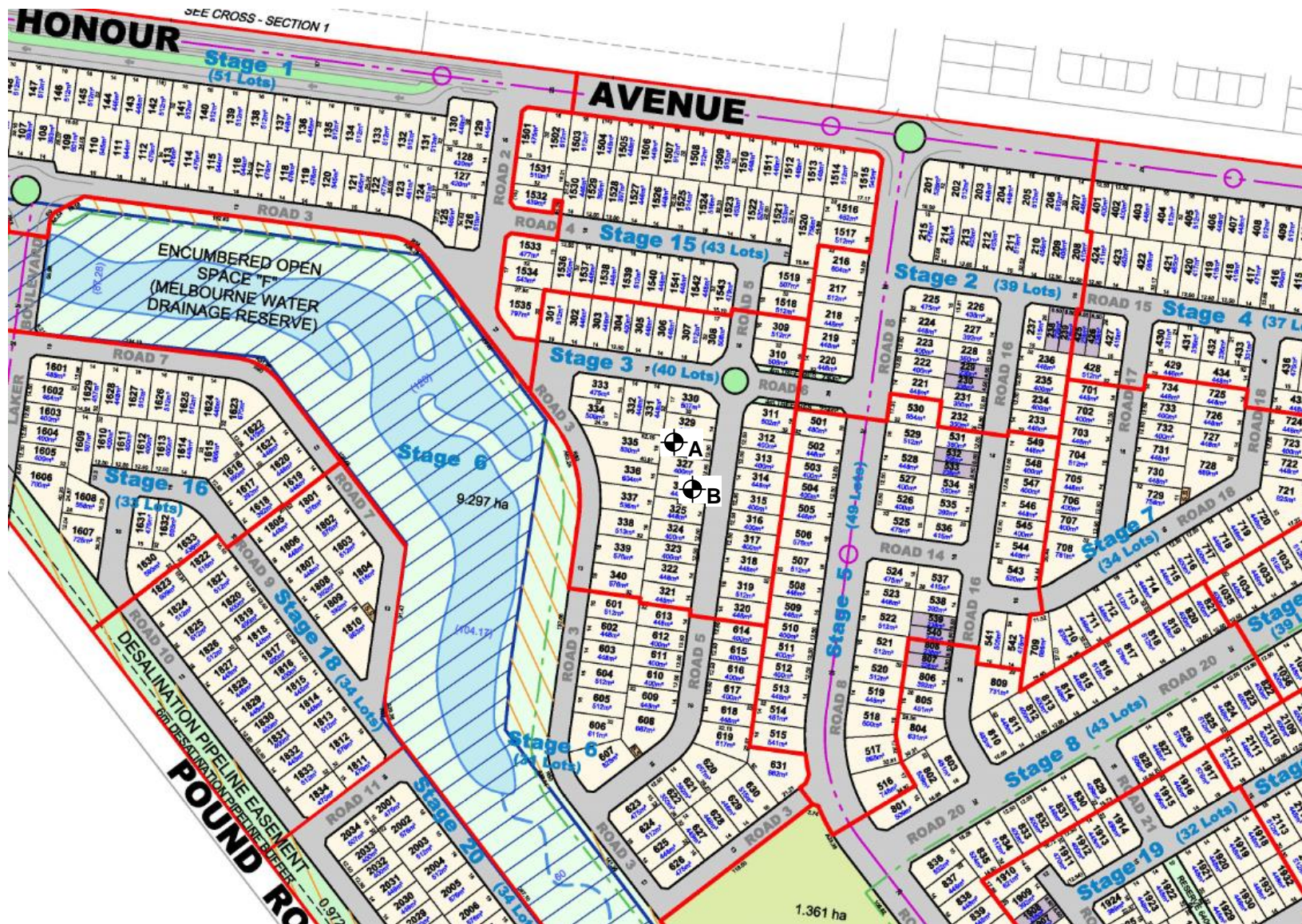
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1		
Sample Number	192-4570A	192-4570B
Date Tested	25/10/2019	25/10/2019
Time Tested	08:00	08:10
Test Request #/Location	Lot 328	Lot 326
Chainage (m)	**	**
Location Offset (m)	**	**
Layer / Reduced Level	250mm Below F.S	250mm Below F.S
Thickness of Layer (mm)	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty
Test Depth (mm)	275	275
Sieve used to determine oversize (mm)	37.5	37.5
Percentage of Wet Oversize (%)	0.0	0.0
Field Wet Density (FWD) t/m ³	1.97	1.98
Field Moisture Content %	21.3	24.6
Field Dry Density (FDD) t/m ³	1.63	1.59
Peak Converted Wet Density t/m ³	1.99	2.02
Adjusted Peak Converted Wet Density t/m ³	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.5	98.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**
Moisture Variation (Wv) %	0.5	0.5
Adjusted Moisture Variation %	**	**
Hilf Density Ratio (%)	99.0	98.0
Compaction Method	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

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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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 Phone: (03) 9874 5844
 Email: scott.flood@civilttest.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 ³	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 ³	1.62	1.58	1.63	1.59	1.54	1.52
Peak Converted Wet Density t/m ³	2.01	2.01	2.02	2.01	2.01	2.00
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
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 (%)	99.0	99.0	99.0	99.0	98.0	98.0
Compaction Method	Standard	Standard	Standard	Standard	Standard	Standard

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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 Email: scott.flood@civiltest.com.au

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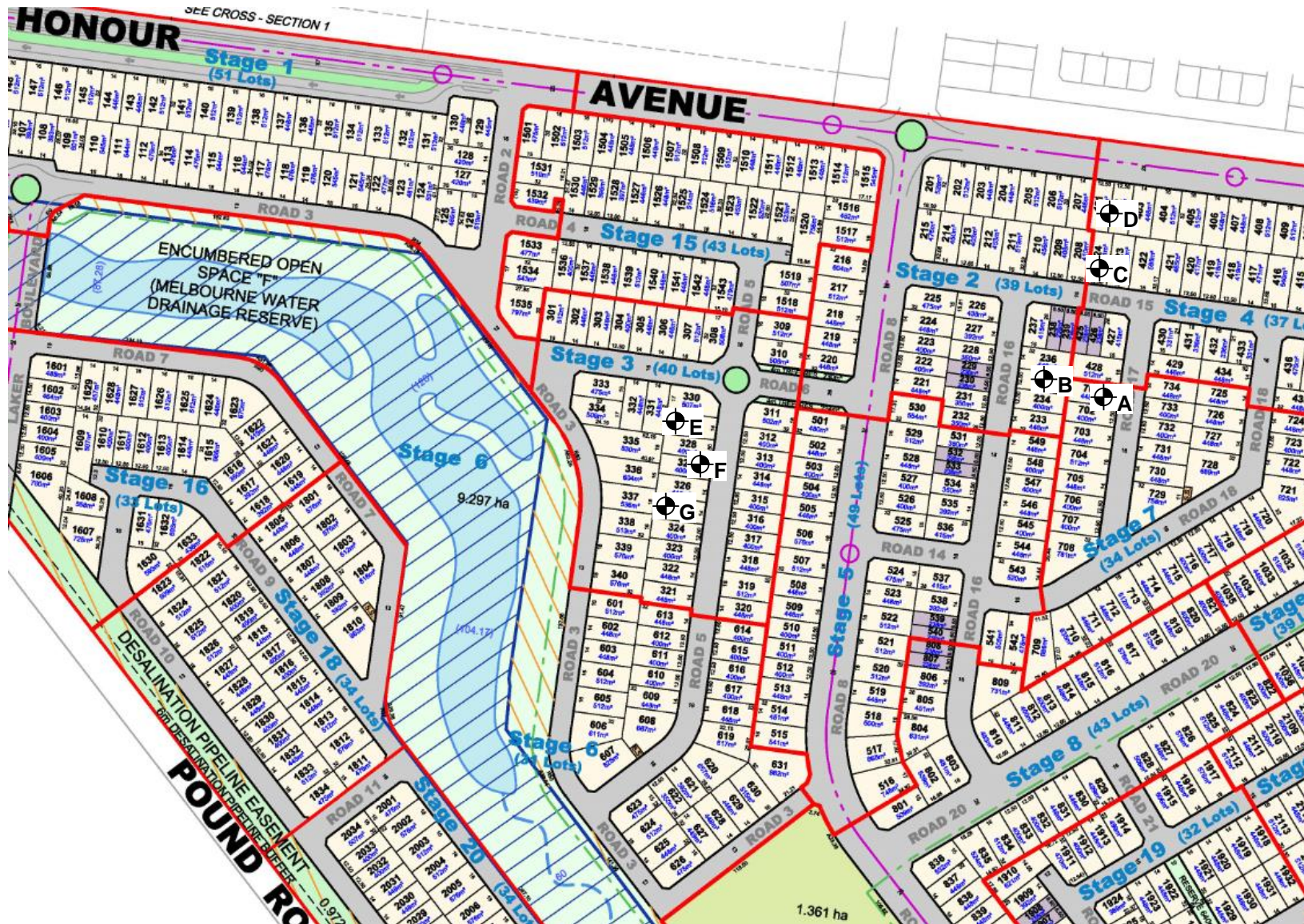


Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1	
Sample Number	192-4590G
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 ³	1.98
Field Moisture Content %	28.0
Field Dry Density (FDD) t/m ³	1.55
Peak Converted Wet Density t/m ³	2.00
Adjusted Peak Converted Wet Density t/m ³	**
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 (%)	99.0
Compaction Method	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: 1190228-132
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Plan Added
Date Issued: 28/11/2019
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: 4818
Date Sampled: 25/11/2019 7:30
Dates Tested: 25/11/2019 - 27/11/2019
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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 Unit 7/38 Thornton Crescent Mitcham Vic 3132
 Phone: (03) 9874 5844
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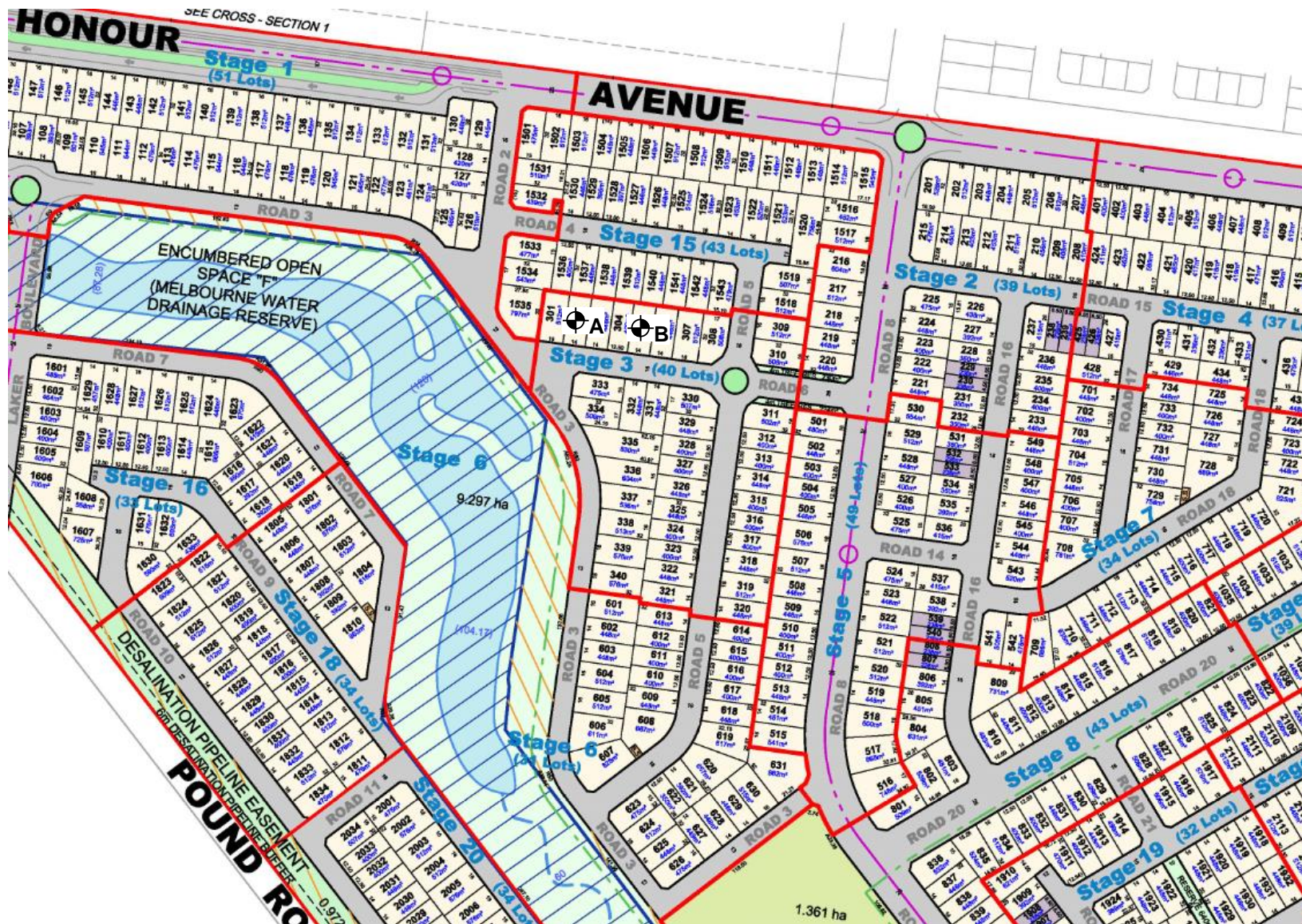
Approved Signatory: Scott Flood
 Laboratory Manager
 NATA Accredited Laboratory Number: 790

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4818A	192-4818B	
Date Tested	25/11/2019	25/11/2019	
Time Tested	03:15	03:20	
Test Request #/Location	Lot 305	Lot 302	
Chainage (m)	**	**	
Location Offset (m)	**	**	
Layer / Reduced Level	F/L	F/L	
Thickness of Layer (mm)	300	300	
Soil Description	CLAY sandy silty	CLAY sandy silty	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0.0	0.0	
Field Wet Density (FWD) t/m ³	2.02	2.02	
Field Moisture Content %	25.0	31.8	
Field Dry Density (FDD) t/m ³	1.62	1.53	
Peak Converted Wet Density t/m ³	2.03	2.04	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Ratio % (AS 1289.5.4.1)	97.5	99.5	
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	
Moisture Variation (Wv) %	0.5	0.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	99.5	99.0	
Compaction Method	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: 2210348-11
Issue Number: 1
Date Issued: 09/08/2021
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: 10577
Date Sampled: 29/07/2021 10:37
Dates Tested: 29/07/2021 - 02/08/2021
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

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

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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

	212-10577A	212-10577B	212-10577C	212-10577D
Sample Number	212-10577A	212-10577B	212-10577C	212-10577D
Date Tested	29/07/2021	29/07/2021	29/07/2021	29/07/2021
Time Tested	11:21	11:30	11:40	11:49
Test Request #/Location	Chainage 365	Chainage 400	Chainage 600	Lot 1502
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	1st layer	1st layer	1st layer	Retest fill layer
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 (%)	6	0	0	0
Field Wet Density (FWD) t/m ³	2.21	2.21	2.30	2.09
Field Moisture Content %	14.9	14.2	14.9	21.6
Field Dry Density (FDD) t/m ³	1.92	1.93	2.01	1.72
Peak Converted Wet Density t/m ³	**	2.21	2.18	2.05
Adjusted Peak Converted Wet Density t/m ³	2.18	**	**	**
Moisture Variation (Wv) %	**	1.5	2.0	0.0
Adjusted Moisture Variation %	2.5	**	**	**
Hilf Density Ratio (%)	101.5	99.5	105.5	102.0
Compaction Method	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

APPENDIX A

TEST REPORTS & PLAN