CIVIL TEST PTY LTD
SOIL TESTING & GEOTECHNICAL CONSULTANTS
ABN 91 006 855 689
ACN 006 855 689

A LEVEL 1 REPORT

ON THE FILLING

AT

HONOUR VILLAGE ESTATE
STAGE 2
CLYDE NORTH

2210348-92

Unit 7 / 38 Thornton Crescent, MITCHAM VIC 3132 Telephone (03) 9874 5844
Head Office: 10 Latham Street (P O Box 537) Mornington 3931 Tel: (03) 5975 6644 Fax: (03) 5975 9589
Also at: Mildura (03) 5023 2870, Wodonga (02) 6024 4343 and Wonthaggi (03) 5672 3900

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APPENDIX A

TEST REPORTS & PLANS

REPORT No : 2210348-92

CLIENT : Todd Hyland
Senior Development Manager
todd.hyland@fraserspropery.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 2, 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 2.

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^3.

6. THE PERIOD OVER WHICH THE WORK WAS CARRIED OUT

Inspections and testing of the project was carried out between 17/06/2019 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 123 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 bring undertaken.

8.5 Results of Testing

The compaction results show that compacted fill was placed and compacted at a density between 95.5% and 103.0% 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

Material Test Report

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

Accredited for compliance with ISO/IEC 17025 - Testing

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

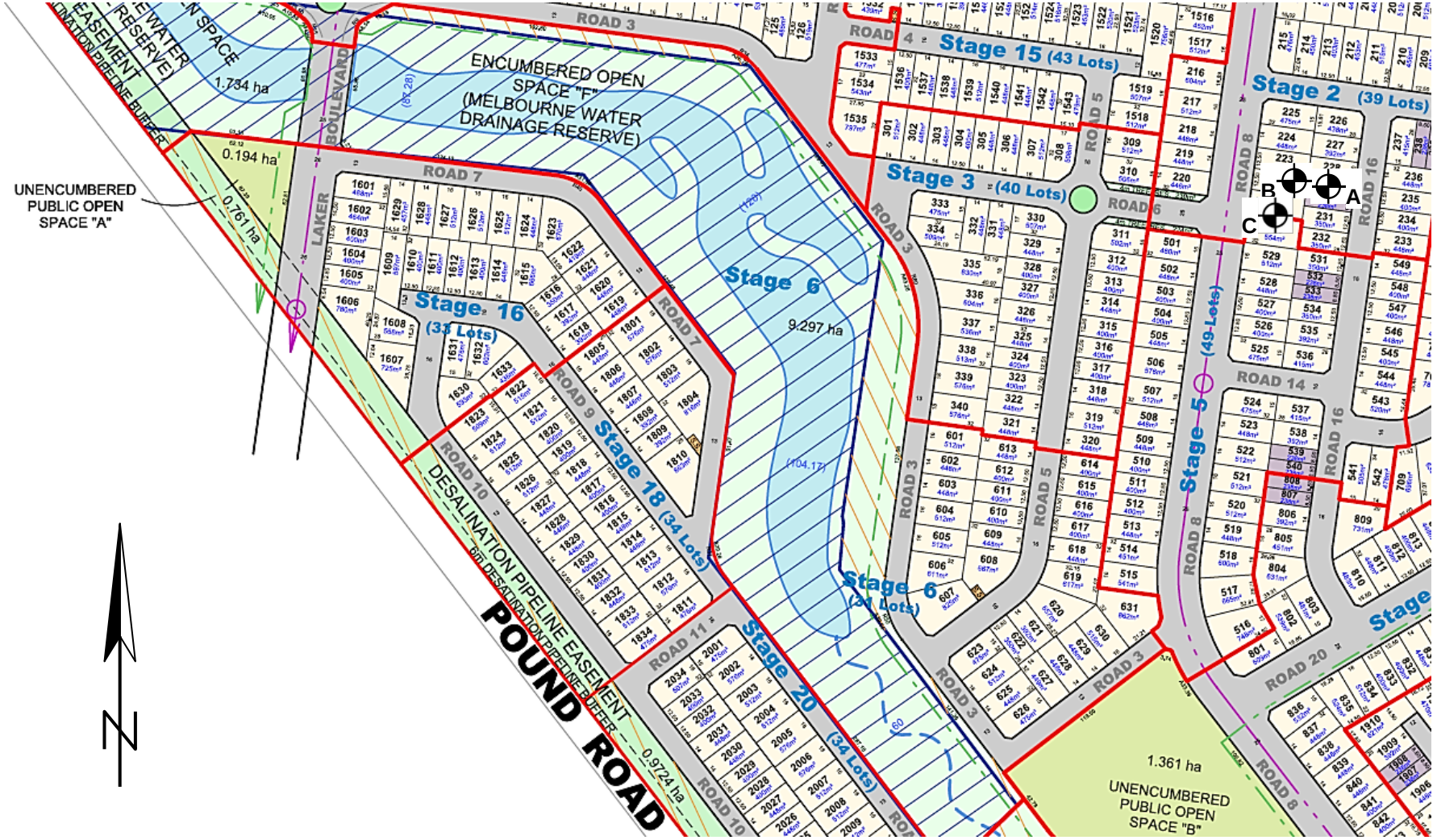
Report Number: **1190228-21**
Issue Number: 2 - *This version supersedes all previous issues*
Date Issued: 25/06/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3831
Date Sampled: 17/06/2019 14:00
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	191-3831A	191-3831B	191-3831C
Date Tested	17/06/2019	17/06/2019	17/06/2019
Time Tested	14:10	14:20	14:30
Test Request #/Location	See Plan	See Plan	See Plan
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	2.3m Below F.S	2.0m Below F.S	1.6m 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	1.94	2.12	1.86
Field Moisture Content %	26.1	18.4	25.3
Field Dry Density (FDD) t/m^3	1.53	1.79	1.48
Peak Converted Wet Density t/m^3	1.93	2.12	1.90
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	99.0	98.5	93.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.5	0.5	2.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**100.5**	**99.5**	**98.0**
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: 1190228-21
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

Civiltest Pty Ltd
Mornington Laboratory
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Phone: (03) 5975 6644
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Email: scott.walsh@civiltest.com.au

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

Report Number: **1190228-23**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan*
Date Issued: 08/07/2019
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: 3888
Date Sampled: 28/06/2019 10:00
Dates Tested: 28/06/2019 - 02/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Sites selected by Civiltest

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	191-3888A	191-3888B	191-3888C	191-3888D	191-3888E	191-3888F
Date Tested	28/06/2019	28/06/2019	28/06/2019	28/06/2019	28/06/2019	28/06/2019
Time Tested	10:10	10:20	10:30	10:40	10:50	11:00
Test Request #/Location	See Plan	See Plan	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.4m Below F.S	1.7m Below F.S	1.8m Below F.S	2.0m Below F.S	1.8m Below F.S	1.4m Below F.S
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	1.96	1.93	1.91	1.85	1.96	1.93
Field Moisture Content %	23.3	29.5	30.4	23.4	22.9	25.1
Field Dry Density (FDD) t/m^3	1.59	1.49	1.47	1.50	1.60	1.54
Peak Converted Wet Density t/m^3	2.05	1.92	1.90	2.00	2.00	1.96
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	111.5	100.0	102.5	103.0	99.5	99.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-2.5	0.0	-1.0	-0.5	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**96.0**	**100.5**	**100.5**	**92.5**	**98.5**	**98.5**
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

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Lab Manager
NATA Accredited Laboratory Number: 1407

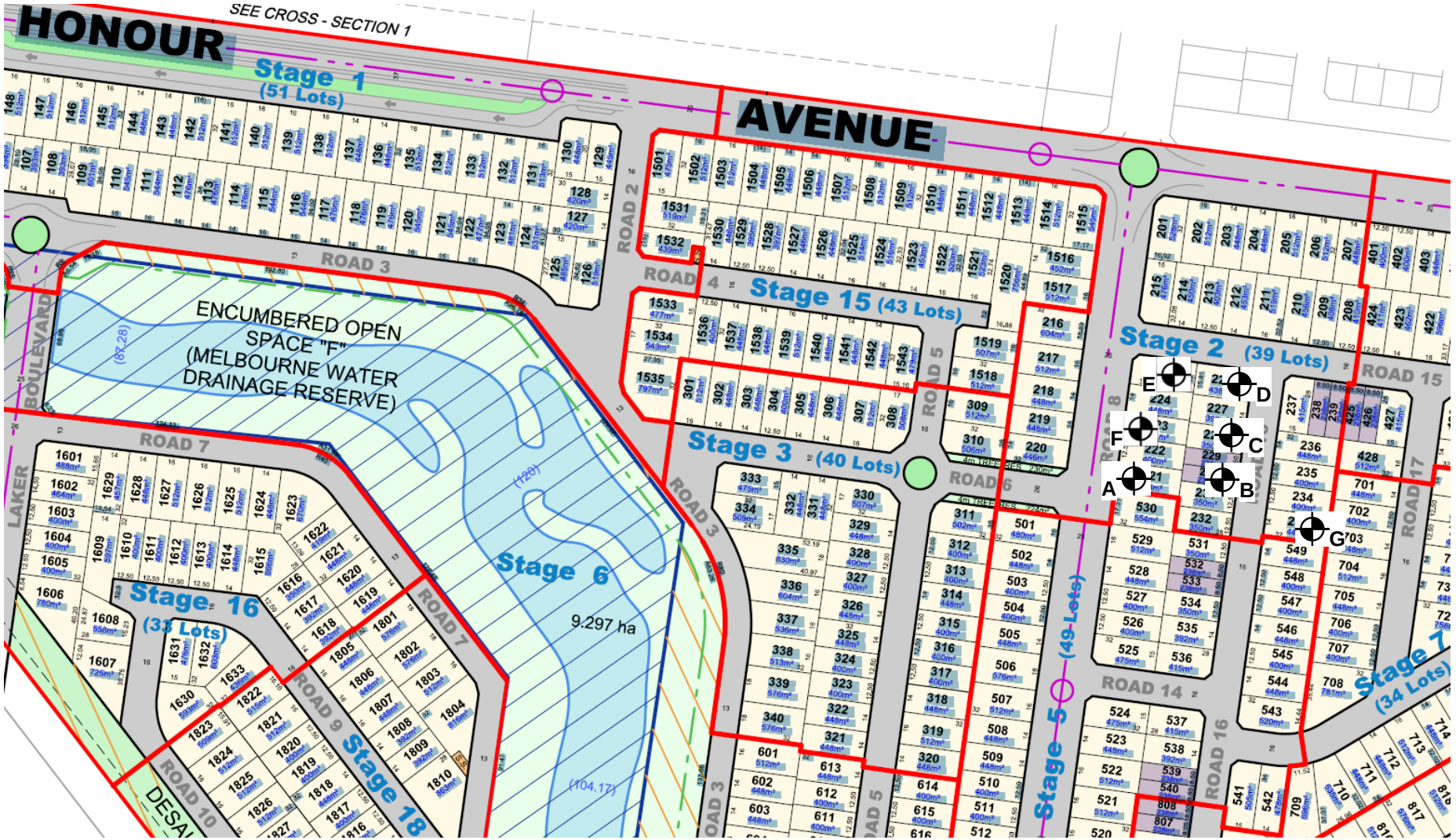
Report Number: **1190228-23**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan*
Date Issued: 08/07/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3888
Date Sampled: 28/06/2019 10:00
Dates Tested: 28/06/2019 - 02/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Sites selected by Civiltest

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1	
Sample Number	191-3888G
Date Tested	28/06/2019
Time Tested	11:10
Test Request #/Location	See Plan
Chainage (m)	**
Location Offset (m)	**
Layer / Reduced Level	1.5m Below F.S
Thickness of Layer (mm)	300
Soil Description	CLAY silty
Test Depth (mm)	275
Sieve used to determine oversize (mm)	19.0
Percentage of Wet Oversize (%)	**
Field Wet Density (FWD) t/m^3	1.90
Field Moisture Content %	27.0
Field Dry Density (FDD) t/m^3	1.49
Peak Converted Wet Density t/m^3	1.96
Adjusted Peak Converted Wet Density t/m^3	**
Moisture Ratio % (AS 1289.5.4.1)	109.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**
Moisture Variation (Wv) %	-2.0
Adjusted Moisture Variation %	**
Hilf Density Ratio (%)	**96.5**
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 3, CLYDE NORTH

Report No: 1190228-23
Plan 1 of 1



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

Report Number: **1190228-24**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *PLAN*
Date Issued: 10/07/2019
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: 3924
Date Sampled: 03/07/2019 12:00
Dates Tested: 03/07/2019 - 04/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	191-3924A	191-3924B	191-3924C	191-3924D	191-3924E	191-3924F
Date Tested	03/07/2019	03/07/2019	03/07/2019	03/07/2019	03/07/2019	03/07/2019
Time Tested	12:00	12:10	12:20	12:30	12:40	12:50
Test Request #/Location	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	2.1m Below F.S	2.0m Below F.S	1.6m Below F.S	1.2m Below F.S	0.8m Below F.S	2.1m Below F.S
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	1.93	1.94	1.93	1.94	2.02	1.97
Field Moisture Content %	28.3	25.4	26.5	26.5	24.6	27.5
Field Dry Density (FDD) t/m^3	1.51	1.55	1.52	1.53	1.62	1.55
Peak Converted Wet Density t/m^3	2.03	2.00	1.99	1.95	1.98	1.94
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	112.0	109.5	108.5	102.5	101.0	102.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-3.0	-2.0	-2.0	-0.5	0.0	-0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**95.5**	**97.0**	**96.5**	**99.0**	**102.0**	**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

Material Test Report

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

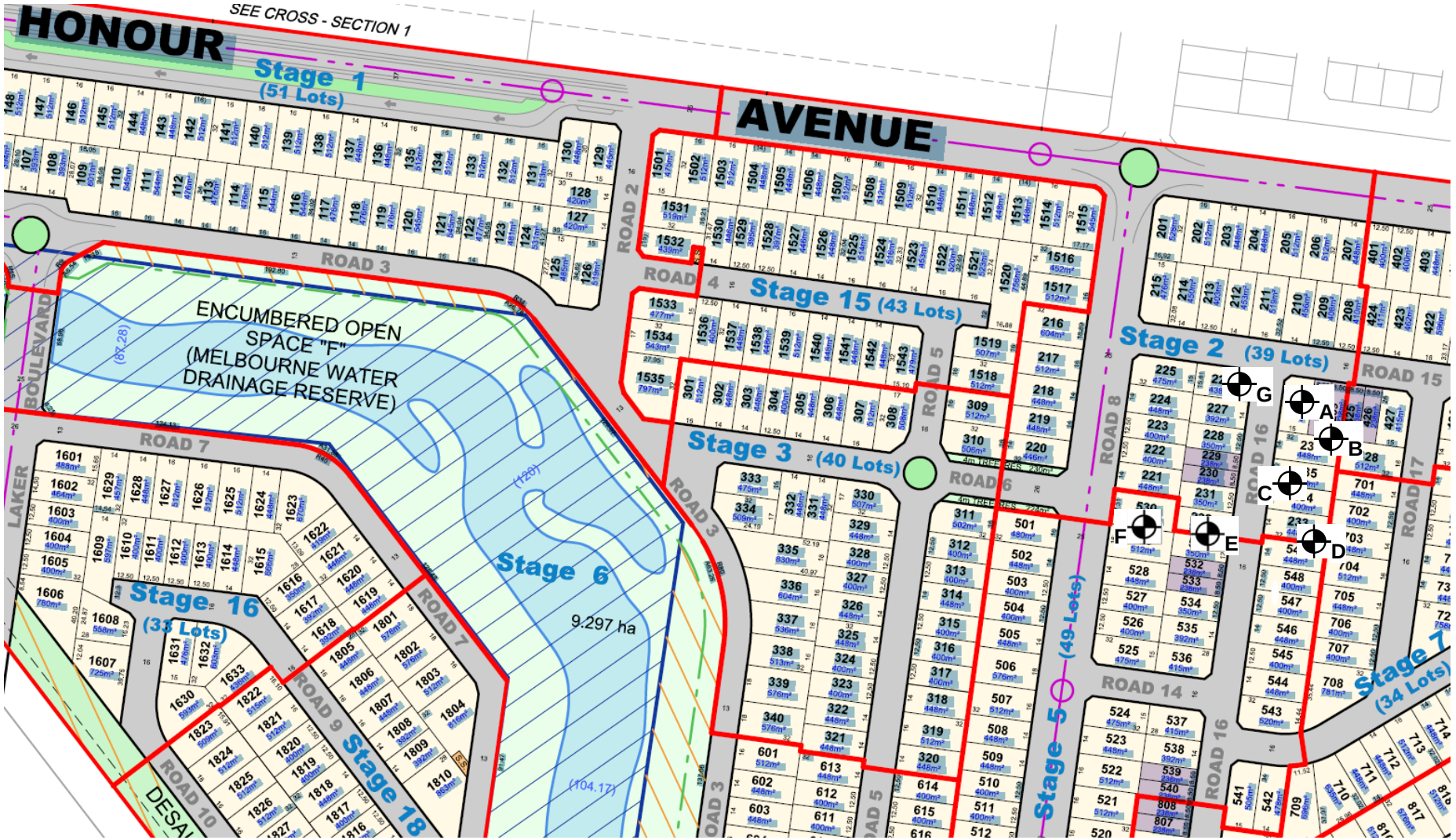
Report Number: **1190228-24**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *PLAN*
Date Issued: 10/07/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3924
Date Sampled: 03/07/2019 12:00
Dates Tested: 03/07/2019 - 04/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1	
Sample Number	191-3924G
Date Tested	03/07/2019
Time Tested	13:00
Test Request #/Location	SEE PLAN - RE-TEST FOR 191-3888D
Chainage (m)	**
Location Offset (m)	**
Layer / Reduced Level	2.0m Below F.S
Thickness of Layer (mm)	300
Soil Description	CLAY silty
Test Depth (mm)	275
Sieve used to determine oversize (mm)	19.0
Percentage of Wet Oversize (%)	**
Field Wet Density (FWD) t/m^3	1.97
Field Moisture Content %	28.5
Field Dry Density (FDD) t/m^3	1.53
Peak Converted Wet Density t/m^3	1.93
Adjusted Peak Converted Wet Density t/m^3	**
Moisture Ratio % (AS 1289.5.4.1)	103.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**
Moisture Variation (Wv) %	-1.0
Adjusted Moisture Variation %	**
Hilf Density Ratio (%)	**101.5**
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 3, CLYDE NORTH

Report No: 1190228-24
Plan 1 of 1



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

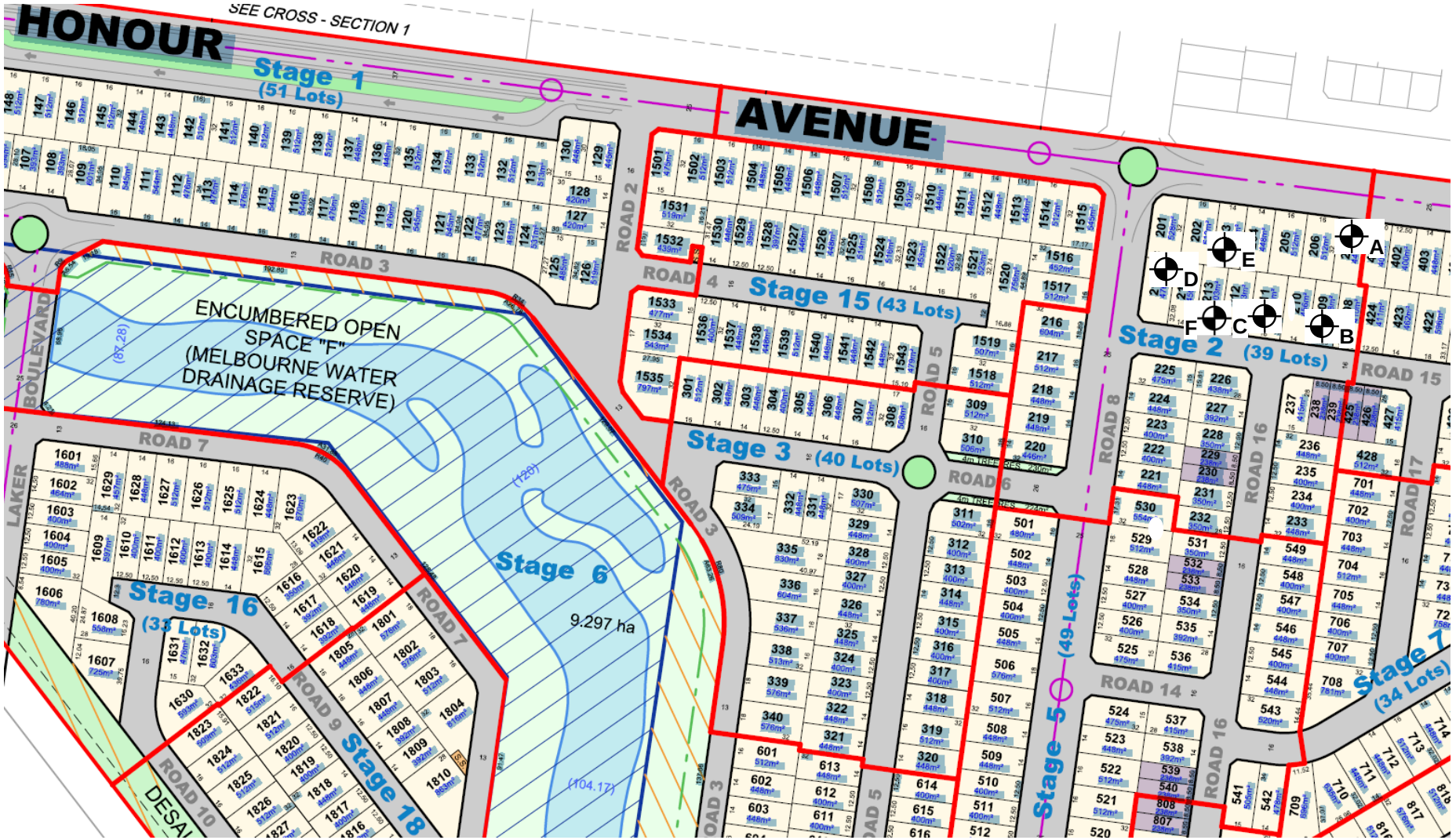
Report Number: **1190228-26**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan*
Date Issued: 16/07/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3952
Date Sampled: 05/07/2019 13:45
Dates Tested: 05/07/2019 - 09/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	191-3952A	191-3952B	191-3952C	191-3952D	191-3952E	191-3952F
Date Tested	05/07/2019	05/07/2019	05/07/2019	05/07/2019	05/07/2019	05/07/2019
Time Tested	13:50	14:00	14:10	14:20	14:30	14:40
Test Request #/Location	See Plan	See Plan	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	2.0m Below F.S	2.1m Below F.S	2.1m Below F.S	2.0m Below F.S	2.0m Below F.S	2.0m Below F.S
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	1.97	1.96	1.96	2.00	1.92	1.97
Field Moisture Content %	25.0	24.6	26.3	25.9	27.1	25.3
Field Dry Density (FDD) t/m^3	1.58	1.57	1.55	1.58	1.51	1.57
Peak Converted Wet Density t/m^3	2.03	2.05	1.99	2.02	1.96	2.03
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	112.5	112.5	109.5	110.0	109.5	111.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-2.5	-2.5	-2.0	-2.0	-2.5	-2.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**97.0**	**95.5**	**98.5**	**99.0**	**98.5**	**97.0**
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: 1190228-26
Plan 1 of 1



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

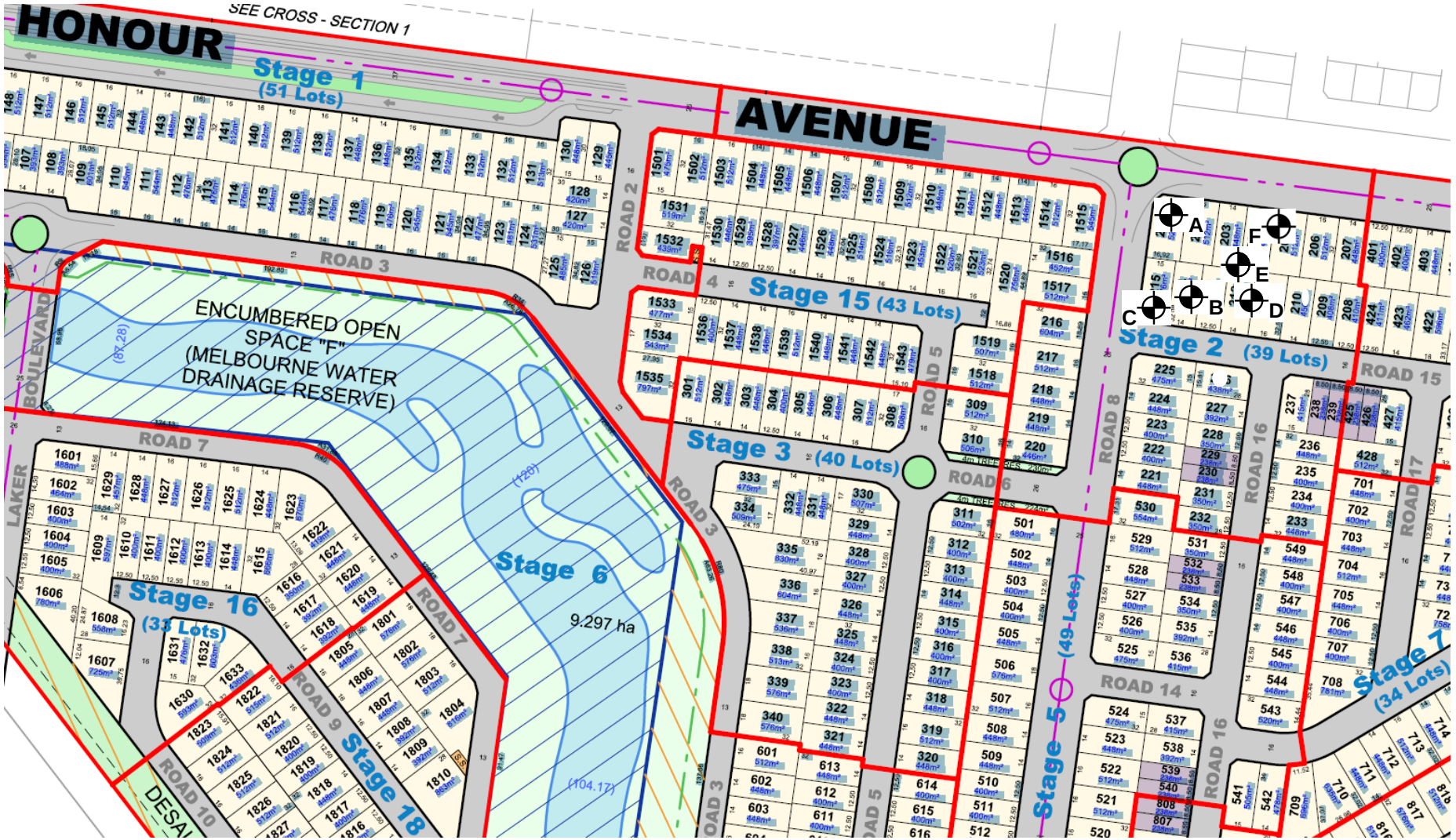
Report Number: **1190228-27**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan*
Date Issued: 16/07/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3967
Date Sampled: 09/07/2019 12:15
Dates Tested: 09/07/2019 - 10/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	191-3967A	191-3967B	191-3967C	191-3967D	191-3967E	191-3967F
Date Tested	09/07/2019	09/07/2019	09/07/2019	09/07/2019	09/07/2019	09/07/2019
Time Tested	12:20	12:30	12:40	12:50	13:00	13:10
Test Request #/Location	See Plan	See Plan	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.6m Below F.S	1.8m Below F.S	1.9m Below F.S	1.8m Below F.S	1.8m Below F.S	1.8m Below F.S
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	2.00	1.98	1.97	1.90	1.93	1.97
Field Moisture Content %	23.3	25.1	27.1	29.9	27.2	27.5
Field Dry Density (FDD) t/m^3	1.62	1.59	1.55	1.46	1.52	1.54
Peak Converted Wet Density t/m^3	2.02	2.00	1.98	1.89	2.02	1.96
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	111.5	109.5	110.5	107.0	115.0	110.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-2.5	-2.0	-2.5	-2.0	-3.0	-2.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**99.0**	**99.5**	**99.5**	**100.5**	**96.0**	**100.5**
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

Report No: 1190228-27
Plan 1 of 1



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

Civiltest Pty Ltd
Mornington Laboratory
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Email: scott.walsh@civiltest.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

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

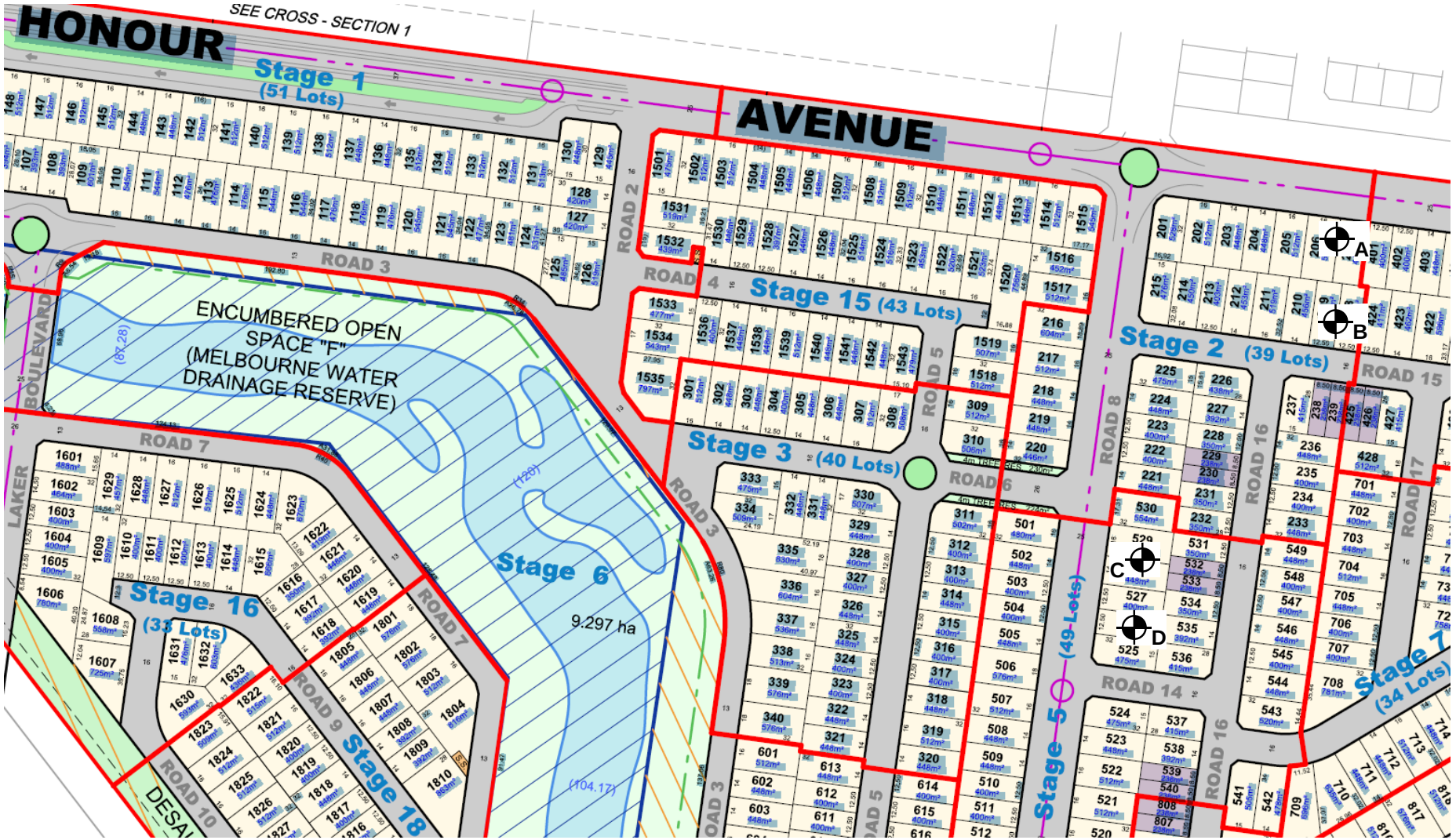
Report Number: **1190228-28**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan*
Date Issued: 17/07/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3980
Date Sampled: 10/07/2019 14:00
Dates Tested: 10/07/2019 - 12/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	191-3980A	191-3980B	191-3980C	191-3980D	
Date Tested	10/07/2019	10/07/2019	10/07/2019	10/07/2019	
Time Tested	14:10	14:20	14:30	14:40	
Test Request #/Location	See Plan	See Plan	See Plan	See Plan	
Chainage (m)	**	**	**	**	
Location Offset (m)	**	**	**	**	
Layer / Reduced Level	1.7m Below F.S	1.4m Below F.S	1.7m Below F.S	1.6m 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	1.95	1.90	1.90	1.94	
Field Moisture Content %	29.2	26.5	25.1	26.4	
Field Dry Density (FDD) t/m^3	1.51	1.50	1.52	1.54	
Peak Converted Wet Density t/m^3	1.98	1.95	1.99	2.00	
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	
Moisture Ratio % (AS 1289.5.4.1)	110.5	111.0	109.5	113.0	
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	
Moisture Variation (Wv) %	-2.5	-2.5	-2.0	-3.0	
Adjusted Moisture Variation %	**	**	**	**	
Hilf Density Ratio (%)	**99.0**	**97.5**	**95.5**	**97.0**	
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: 1190228-28
Plan 1 of 1



⊕ **Denotes Test Locations**

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Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

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

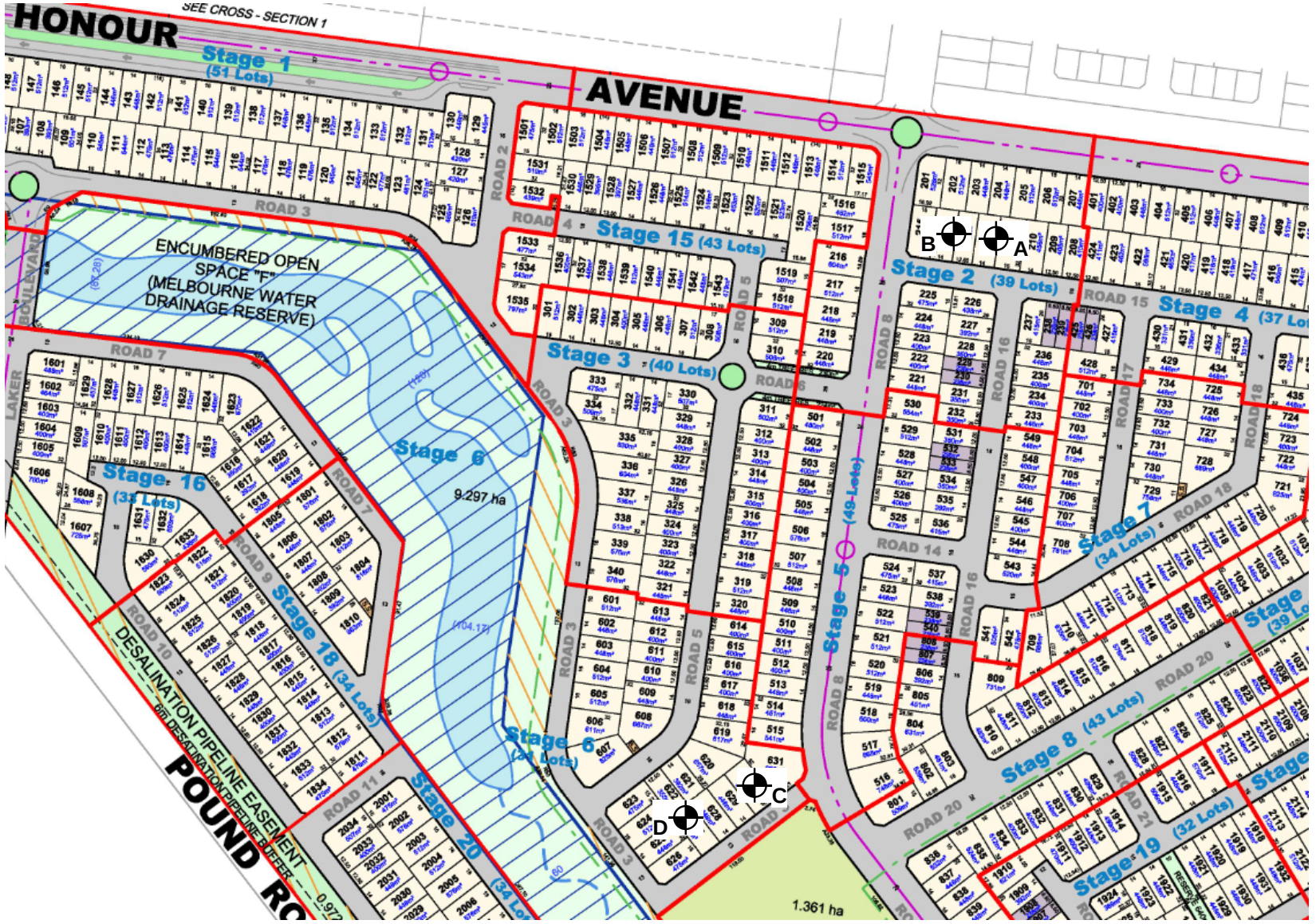
Report Number: **1190228-30**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *PLAN*
Date Issued: 22/07/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 4007
Date Sampled: 16/07/2019 14:10
Dates Tested: 16/07/2019 - 18/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client
Specification: 95% Standard
Material Source: Site derived

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	191-4007A	191-4007B	191-4007C	191-4007D
Date Tested	16/07/2019	16/07/2019	16/07/2019	16/07/2019
Time Tested	14:30	14:35	14:47	14:54
Test Request #/Location	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	1.5m below F.S.	1.5m below F.S.	0.7m below F.S.	0.6m 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	1.97	1.97	1.96	2.01
Field Moisture Content %	28.5	28.0	28.8	26.8
Field Dry Density (FDD) t/m^3	1.53	1.54	1.52	1.58
Peak Converted Wet Density t/m^3	2.05	2.00	2.05	1.99
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	113.5	113.0	114.5	113.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	-3.0	-3.0	-3.5	-3.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**96.0**	**98.5**	**96.0**	**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: 1190228-30
Plan 1 of 1



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

Report Number: **1190228-34**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan added*
Date Issued: 24/07/2019
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: 4032
Date Sampled: 19/07/2019 14:10
Dates Tested: 19/07/2019 - 23/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	191-4032A	191-4032B	191-4032C	191-4032D	191-4032E	191-4032F
Date Tested	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019
Time Tested	14:10	14:20	14:30	14:40	14:50	15:00
Test Request #/Location	See Plan	See Plan	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.9m Below F.S	1.8m Below F.S	1.7m Below F.S	1.4m Below F.S	1.1m Below F.S	1.1m Below F.S
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	1.93	1.96	1.99	1.90	1.90	1.93
Field Moisture Content %	27.1	24.5	23.5	27.1	27.3	28.4
Field Dry Density (FDD) t/m^3	1.52	1.58	1.61	1.50	1.50	1.50
Peak Converted Wet Density t/m^3	1.95	1.98	2.02	1.97	1.98	1.96
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	114.5	113.5	115.0	114.5	112.0	114.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-3.0	-3.0	-3.0	-3.0	-2.5	-3.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**99.0**	**99.0**	**98.5**	**97.0**	**96.0**	**98.5**
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

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

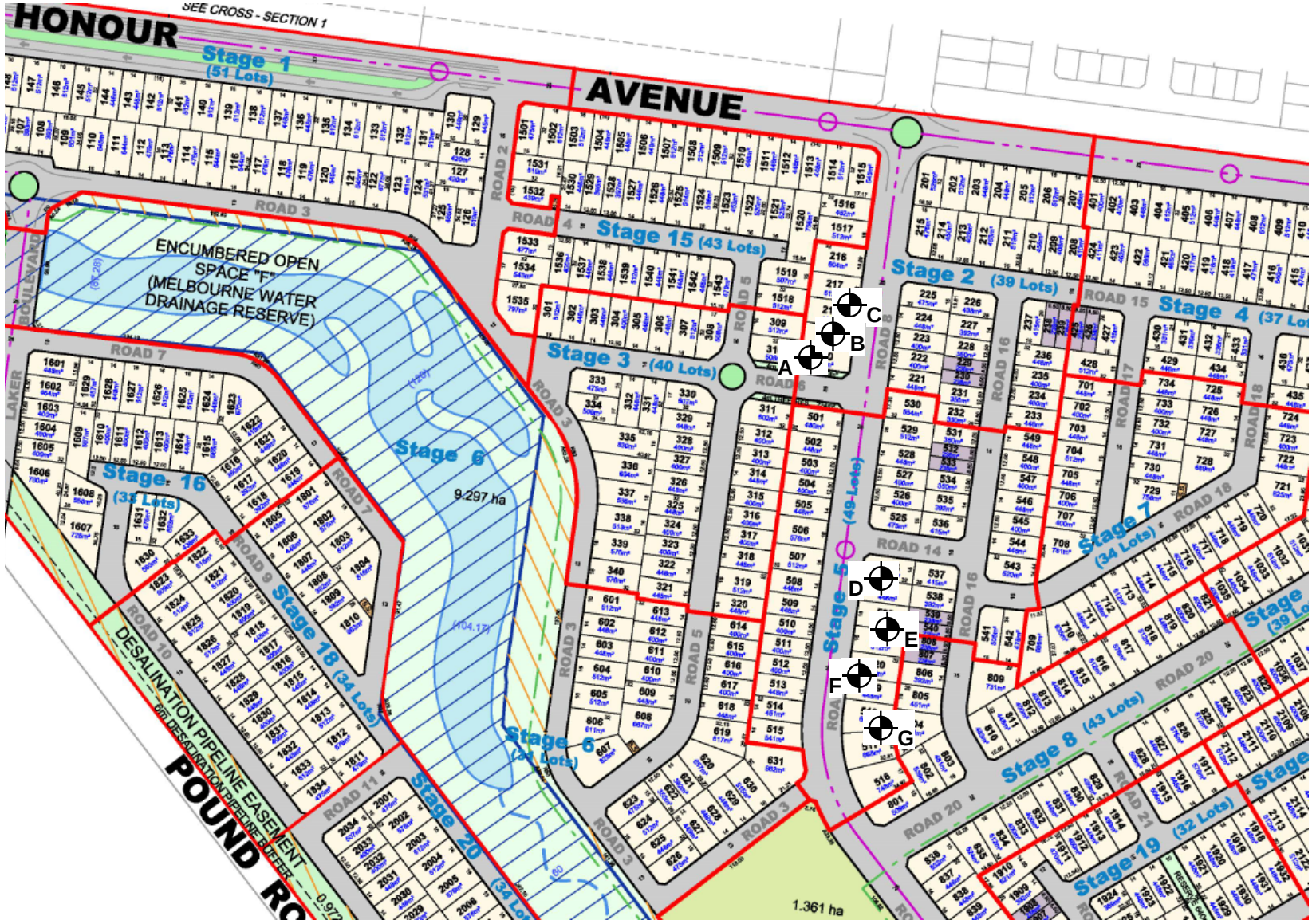
Report Number: **1190228-34**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan added*
Date Issued: 24/07/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 4032
Date Sampled: 19/07/2019 14:10
Dates Tested: 19/07/2019 - 23/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1	
Sample Number	191-4032G
Date Tested	19/07/2019
Time Tested	15:10
Test Request #/Location	See Plan
Chainage (m)	**
Location Offset (m)	**
Layer / Reduced Level	0.9m Below F.S
Thickness of Layer (mm)	300
Soil Description	CLAY silty
Test Depth (mm)	275
Sieve used to determine oversize (mm)	19.0
Percentage of Wet Oversize (%)	**
Field Wet Density (FWD) t/m^3	1.97
Field Moisture Content %	25.3
Field Dry Density (FDD) t/m^3	1.57
Peak Converted Wet Density t/m^3	2.02
Adjusted Peak Converted Wet Density t/m^3	**
Moisture Ratio % (AS 1289.5.4.1)	114.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**
Moisture Variation (Wv) %	-3.0
Adjusted Moisture Variation %	**
Hilf Density Ratio (%)	**97.0**
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 3, CLYDE NORTH

Report No: 1190228-34
Plan 1 of 1



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

Report Number: **1190228-37**
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: 4061
Date Sampled: 25/07/2019 14:00
Dates Tested: 26/07/2019 - 29/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	191-4061A	191-4061B	191-4061C	191-4061D	191-4061E	191-4061F
Date Tested	25/07/2019	25/07/2019	25/07/2019	25/07/2019	25/07/2019	25/07/2019
Time Tested	14:00	14:10	14:20	14:30	14:40	14:50
Test Request #/Location	See Plan	See Plan	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.2m Below F.S	1.3m Below F.S	1.2m Below F.S	1.0m Below F.S	1.6m Below F.S	1.4m Below F.S
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	1.91	1.93	1.99	1.97	1.92	1.99
Field Moisture Content %	29.4	27.6	23.6	24.6	28.8	25.6
Field Dry Density (FDD) t/m^3	1.47	1.51	1.61	1.58	1.49	1.58
Peak Converted Wet Density t/m^3	1.96	2.02	1.99	2.01	1.98	2.01
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	116.5	114.5	115.5	116.5	113.5	114.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-4.0	-3.0	-3.0	-3.5	-3.0	-3.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**97.0**	**96.0**	**100.0**	**98.0**	**97.0**	**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

Material Test Report

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

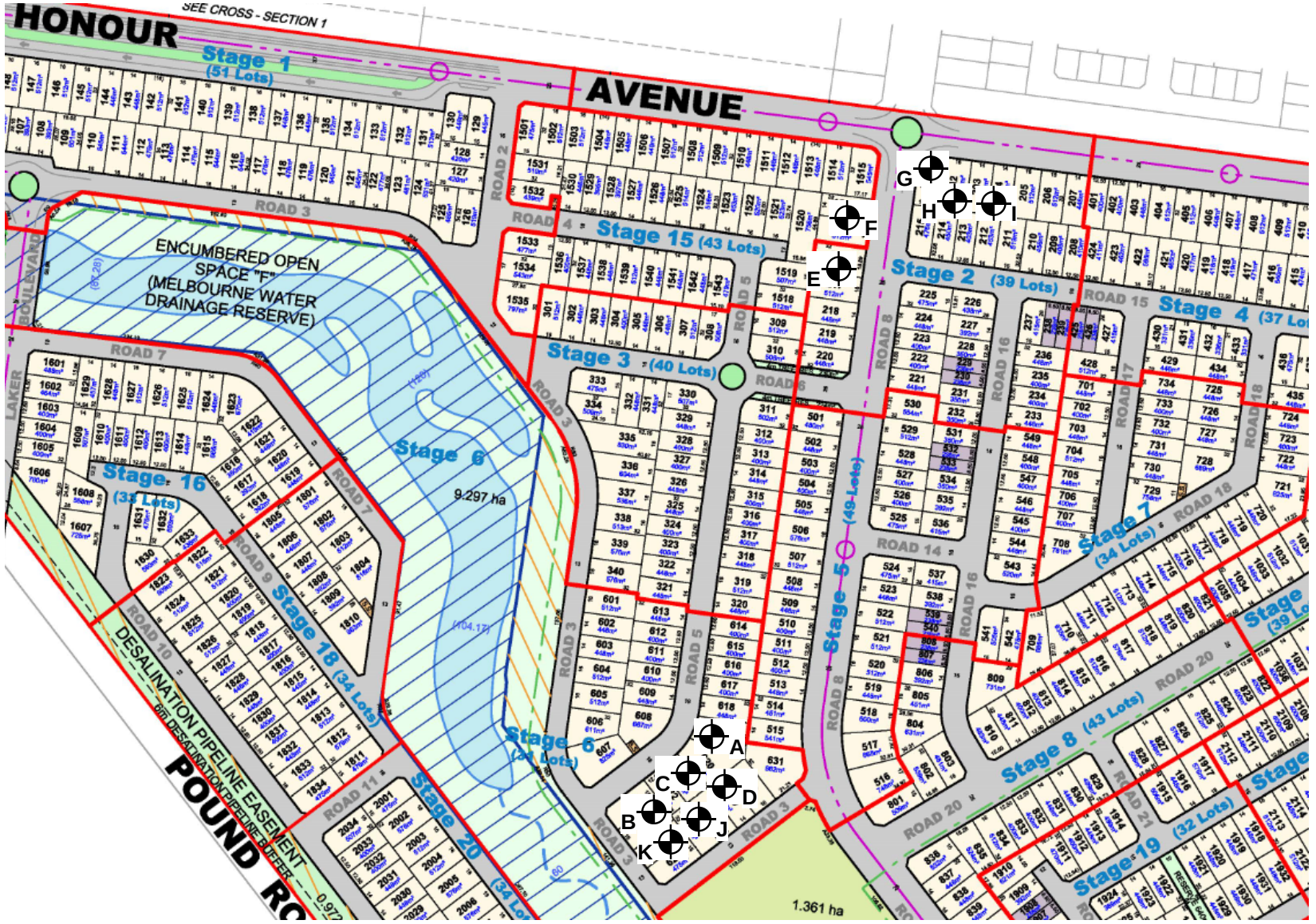
Report Number: **1190228-37**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan added*
Date Issued: 05/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 4061
Date Sampled: 25/07/2019 14:00
Dates Tested: 26/07/2019 - 29/07/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: Location information provided by client

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	191-4061G	191-4061H	191-4061I	191-4061J	191-4061K
Date Tested	25/07/2019	25/07/2019	25/07/2019	25/07/2019	25/07/2019
Time Tested	15:00	15:10	15:20	15:30	15:40
Test Request #/Location	See Plan	See Plan	See Plan	See Plan	See Plan
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	1.4m Below F.S	1.5m Below F.S	1.4m Below F.S	0.9m Below F.S	1.1m 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 (%)	**	**	**	**	**
Field Wet Density (FWD) t/m^3	1.92	1.92	1.86	1.90	1.94
Field Moisture Content %	26.6	25.7	28.1	28.4	26.1
Field Dry Density (FDD) t/m^3	1.51	1.52	1.45	1.48	1.54
Peak Converted Wet Density t/m^3	1.90	1.94	1.87	2.01	2.02
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	101.0	102.0	102.0	112.5	115.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	0.0	-0.5	-0.5	-3.0	-3.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**101.0**	**98.5**	**99.0**	**94.5**	**96.5**
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

Report No: 1190228-37
Plan 1 of 1



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

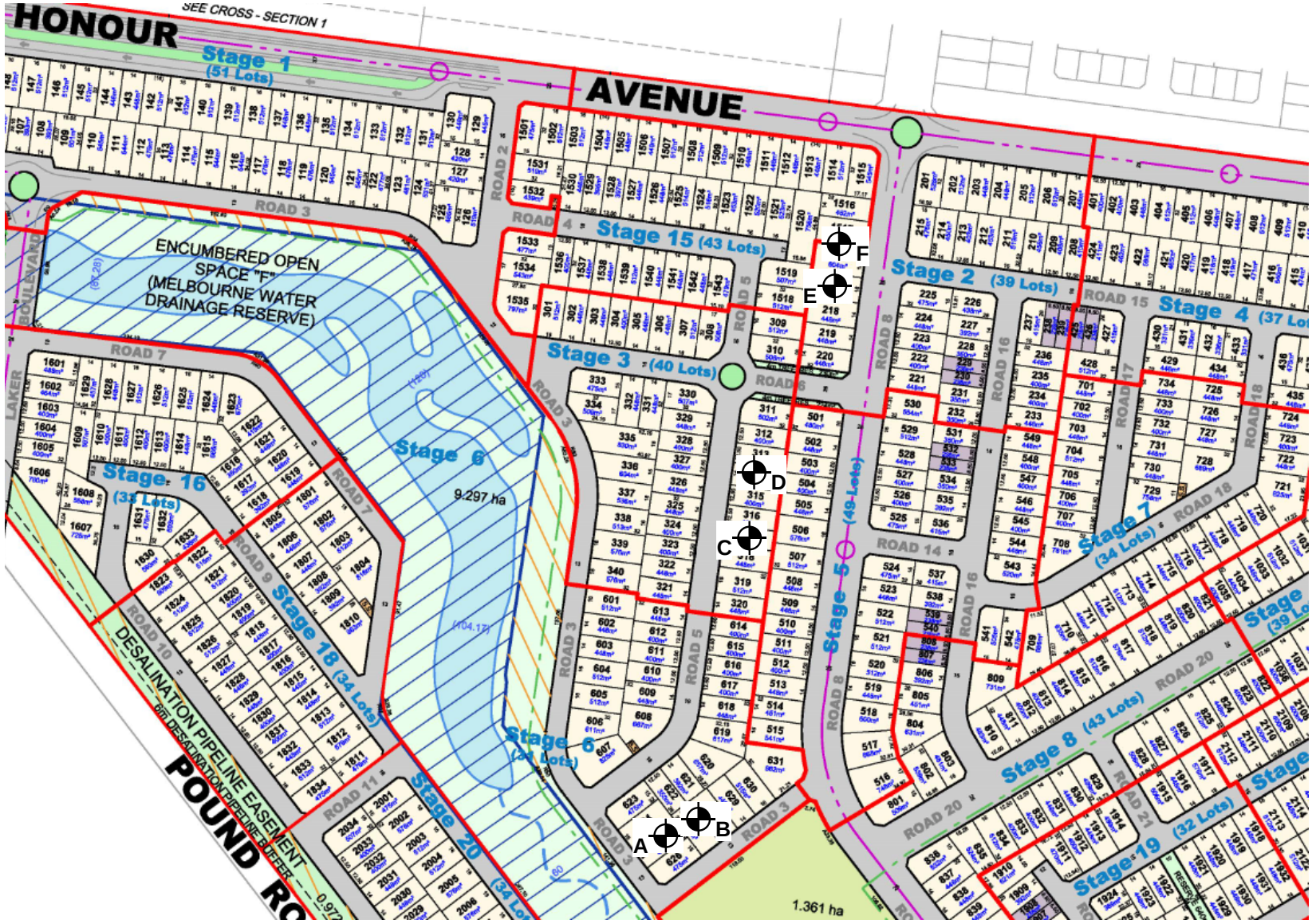
Report Number: **1190228-40**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan added*
Date Issued: 06/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 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

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

Report No: 1190228-40
Plan 1 of 1



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

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

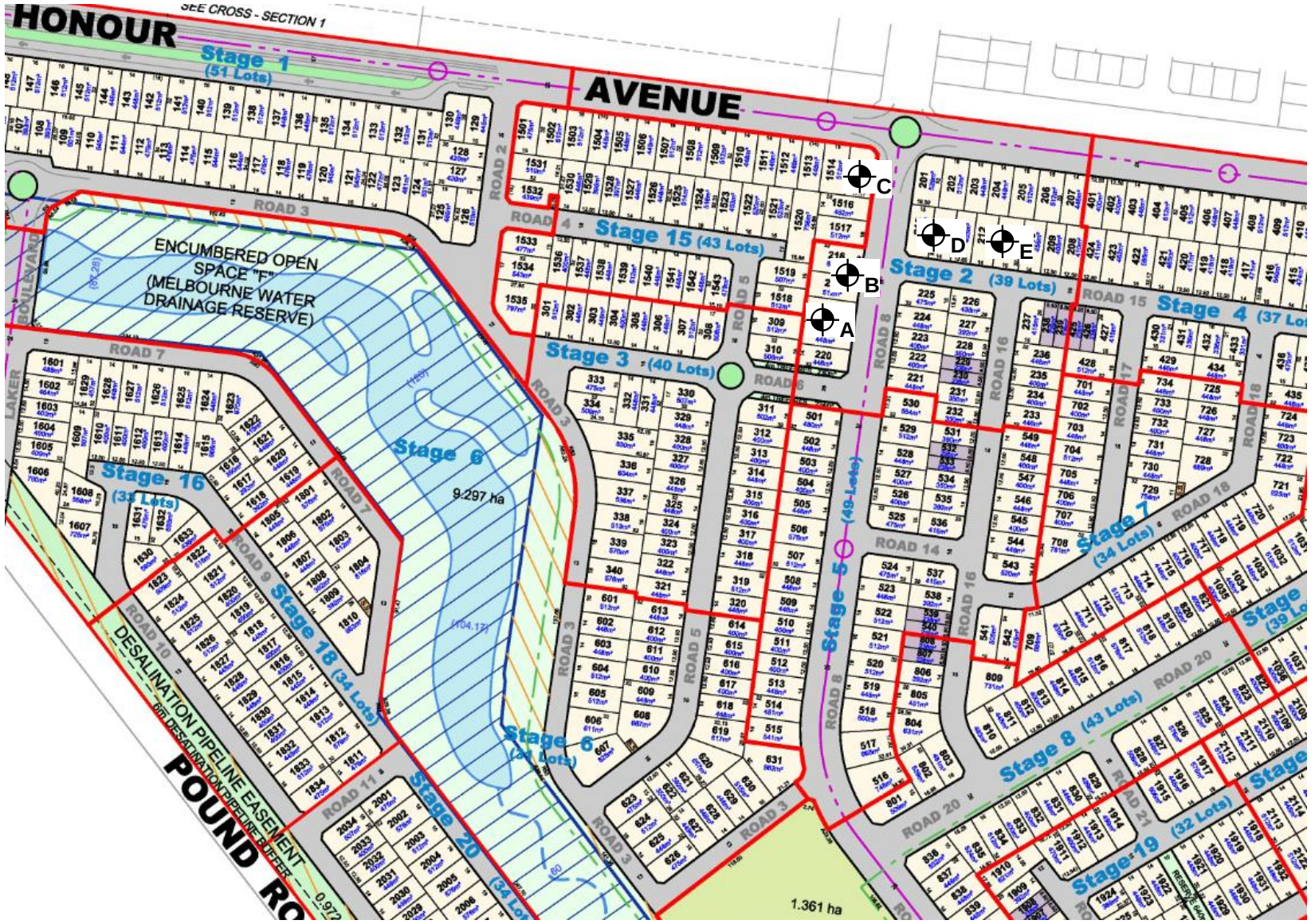
Report Number: **1190228-48**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 09/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3837
Date Sampled: 07/08/2019 7:30
Dates Tested: 07/08/2019 - 08/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-3837A	192-3837B	192-3837C	192-3837D	192-3837E
Date Tested	07/08/2019	07/08/2019	07/08/2019	07/08/2019	07/08/2019
Time Tested	07:45	07:50	08:00	08:10	08:15
Test Request #/Location	Lots 218/219	Lots 216/217	Lot 1515	Lots 214/215	Lots 211/212
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	1.6m below f.s	1.5m below f.s	1.4m below f.s	1.3m below f.s	1.2m 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	1.97	1.98	1.95	1.99	1.99
Field Moisture Content %	28.4	29.5	28.9	27.5	26.2
Field Dry Density (FDD) t/m^3	1.53	1.53	1.51	1.56	1.58
Peak Converted Wet Density t/m^3	2.01	2.00	2.02	2.01	2.02
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	99.0	100.5	100.5	100.5	100.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	0.5	0.0	0.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**98.0**	**99.0**	**97.0**	**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 3, CLYDE NORTH

Report No: 1190228-48
Plan 1 of 1



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NOT TO SCALE

Material Test Report

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

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

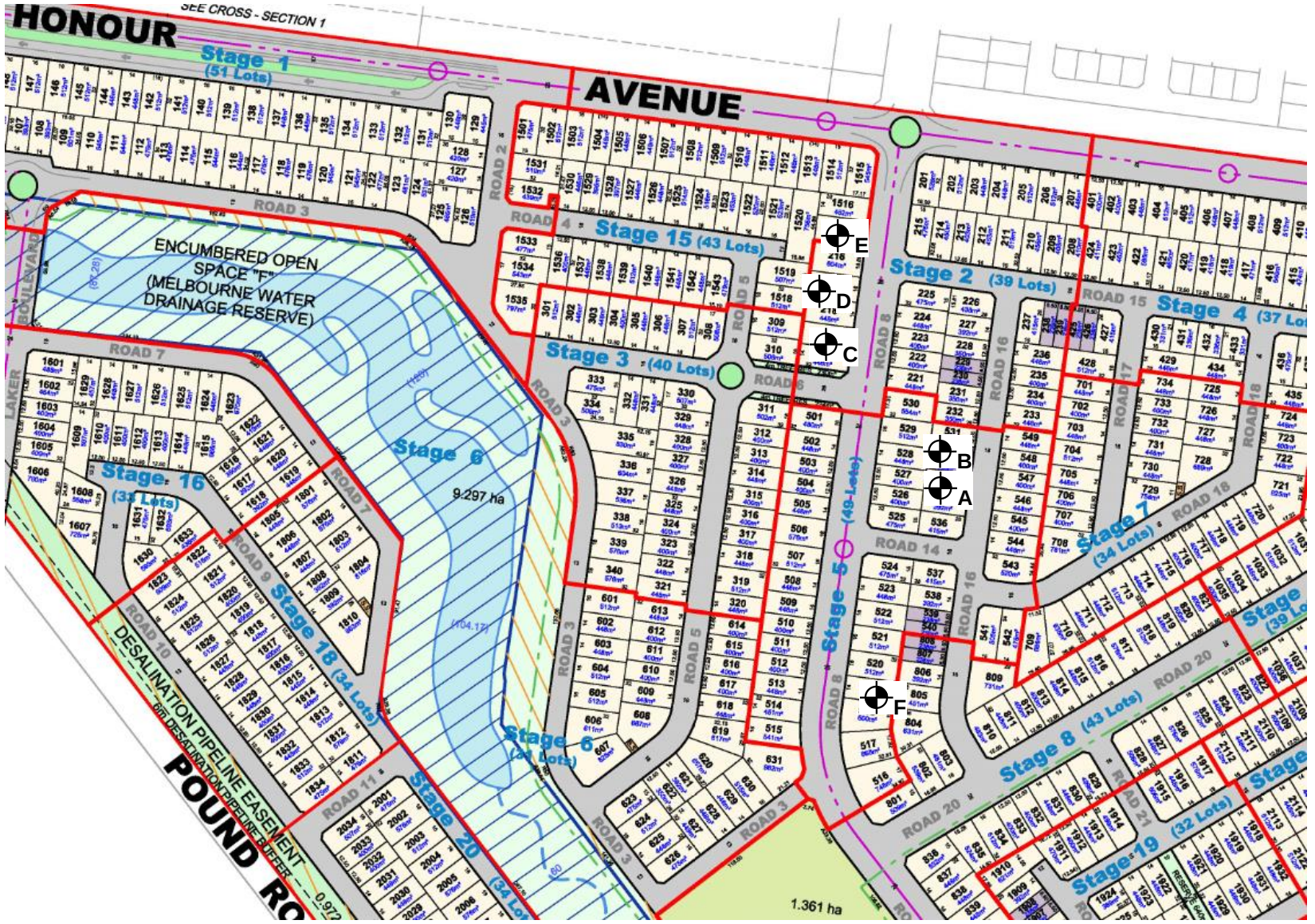
Report Number: **1190228-49**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 09/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3820
Date Sampled: 05/08/2019 1:00
Dates Tested: 05/08/2019 - 07/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	192-3820A	192-3820B	192-3820C	192-3820D	192-3820E	192-3820F
Date Tested	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019
Time Tested	01:15	01:30	02:20	02:25	02:30	02:45
Test Request #/Location	Lots 534/535	Lots 532/533	Lots 219/220	Lots 217/218	Lots 1517/216	Lots 518/519
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.8m Below F.S	2.0m Below F.S	1.8m Below F.S	1.8m Below F.S	1.6m Below F.S	1.0m 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	1.96	1.95	2.00	1.95	1.94	1.96
Field Moisture Content %	28.8	29.8	28.9	30.4	28.6	29.9
Field Dry Density (FDD) t/m^3	1.52	1.50	1.55	1.50	1.51	1.51
Peak Converted Wet Density t/m^3	1.97	1.95	2.01	1.98	1.97	2.01
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.5	97.0	98.0	98.5	99.5	100.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	0.5	1.0	0.5	0.5	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**99.5**	**100.0**	**99.5**	**99.0**	**99.0**	**97.5**
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

Report No: 1190228-49
Plan 1 of 1



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NOT TO SCALE

Material Test Report

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Unit 7/38 Thornton Crescent Mitcham Vic 3132
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Accredited for compliance with ISO/IEC 17025 - Testing

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

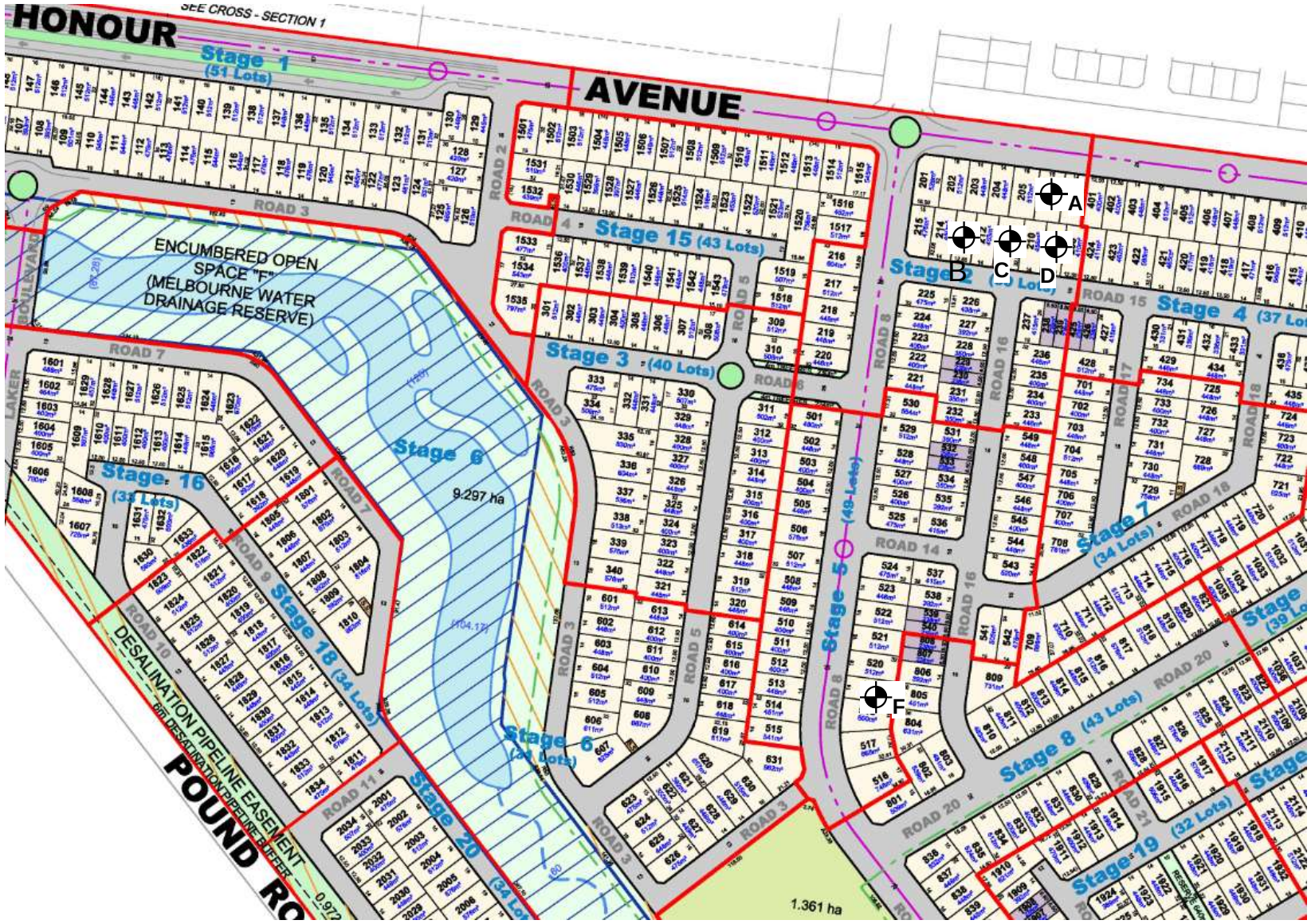
Report Number: **1190228-51**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 16/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3864
Date Sampled: 08/08/2019 1:00
Dates Tested: 08/08/2019 - 12/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	192-3864A	192-3864B	192-3864C	192-3864D
Date Tested	08/08/2019	08/08/2019	08/08/2019	08/08/2019
Time Tested	02:30	02:40	02:55	03:00
Test Request #/Location	Lot 206	Lot 213	Lot 211	Lot 209
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	1.2m Below F.S	900mm Below F.S	800mm Below F.S	700mm 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	1.98	1.96	1.97	1.97
Field Moisture Content %	25.2	26.6	24.8	26.5
Field Dry Density (FDD) t/m^3	1.58	1.55	1.58	1.56
Peak Converted Wet Density t/m^3	2.04	1.99	1.99	2.02
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	110.0	98.0	99.5	98.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	-2.0	0.5	0.0	0.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**97.0**	**98.5**	**99.0**	**97.5**
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: 1190228-51
Plan 1 of 1



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Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

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

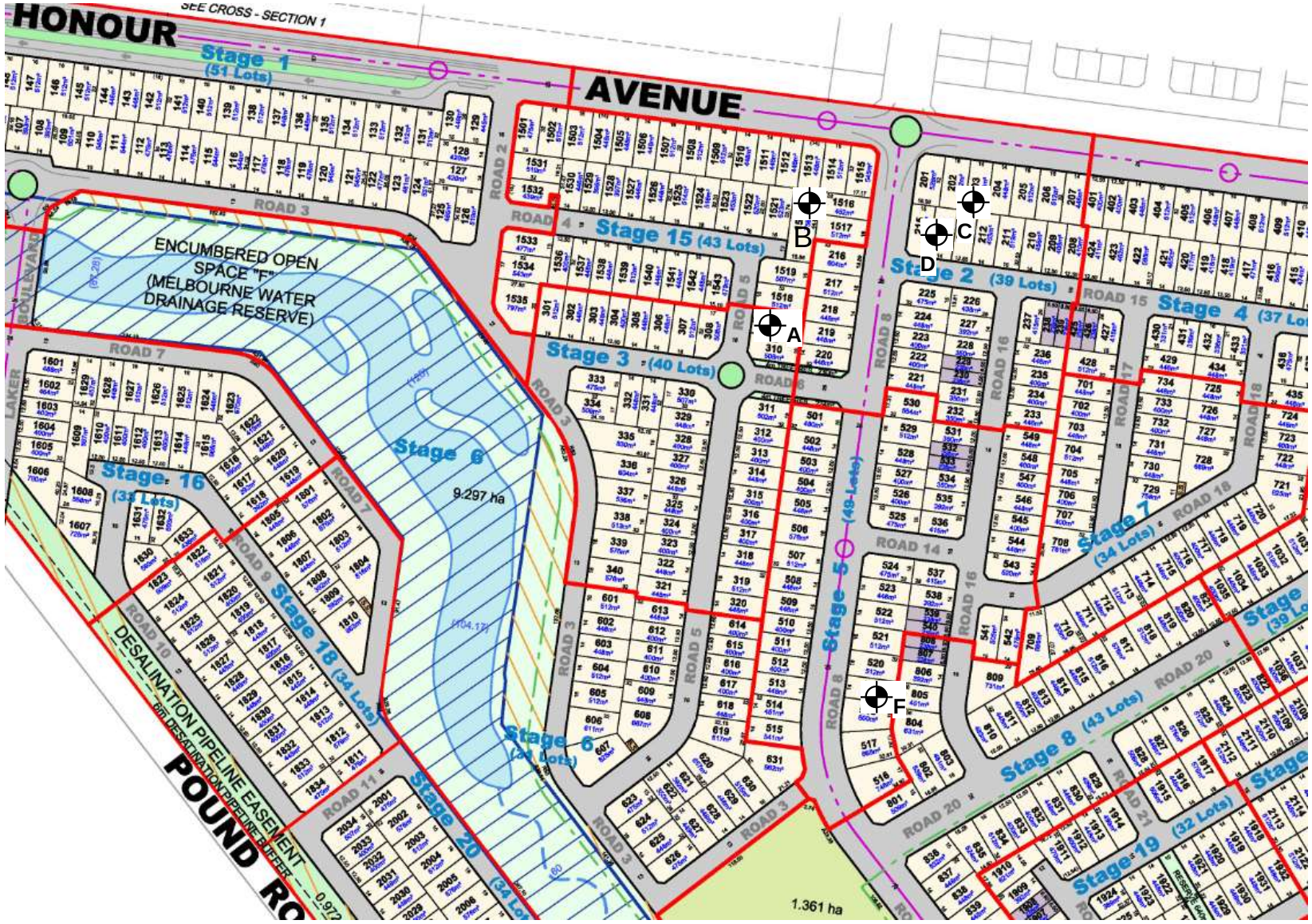
Report Number: **1190228-52**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 16/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Project Location: HONOUR VILLAGE STAGE 3, CLYDE NORTH
Work Request: 3846
Date Sampled: 07/08/2019 1:00
Dates Tested: 07/08/2019 - 12/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-3846A	192-3846B	192-3846C	192-3846D	
Date Tested	07/08/2019	07/08/2019	07/08/2019	07/08/2019	
Time Tested	02:00	03:30	03:40	03:55	
Test Request #/Location	Lot 309	Lot 1520	Lot 203	Lots 214/215	
Chainage (m)	**	**	**	**	
Location Offset (m)	**	**	**	**	
Layer / Reduced Level	1.5m Below F.S	1.3m Below F.S	1.3m Below F.S	800mm 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	1.98	1.98	2.00	1.97	
Field Moisture Content %	29.4	26.4	28.2	30.4	
Field Dry Density (FDD) t/m^3	1.53	1.56	1.56	1.51	
Peak Converted Wet Density t/m^3	2.00	1.97	2.02	2.01	
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	
Moisture Ratio % (AS 1289.5.4.1)	99.5	101.5	99.5	99.5	
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	
Moisture Variation (Wv) %	0.0	-0.5	0.0	0.0	
Adjusted Moisture Variation %	**	**	**	**	
Hilf Density Ratio (%)	**99.0**	**100.5**	**99.0**	**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: 1190228-52
Plan 1 of 1



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

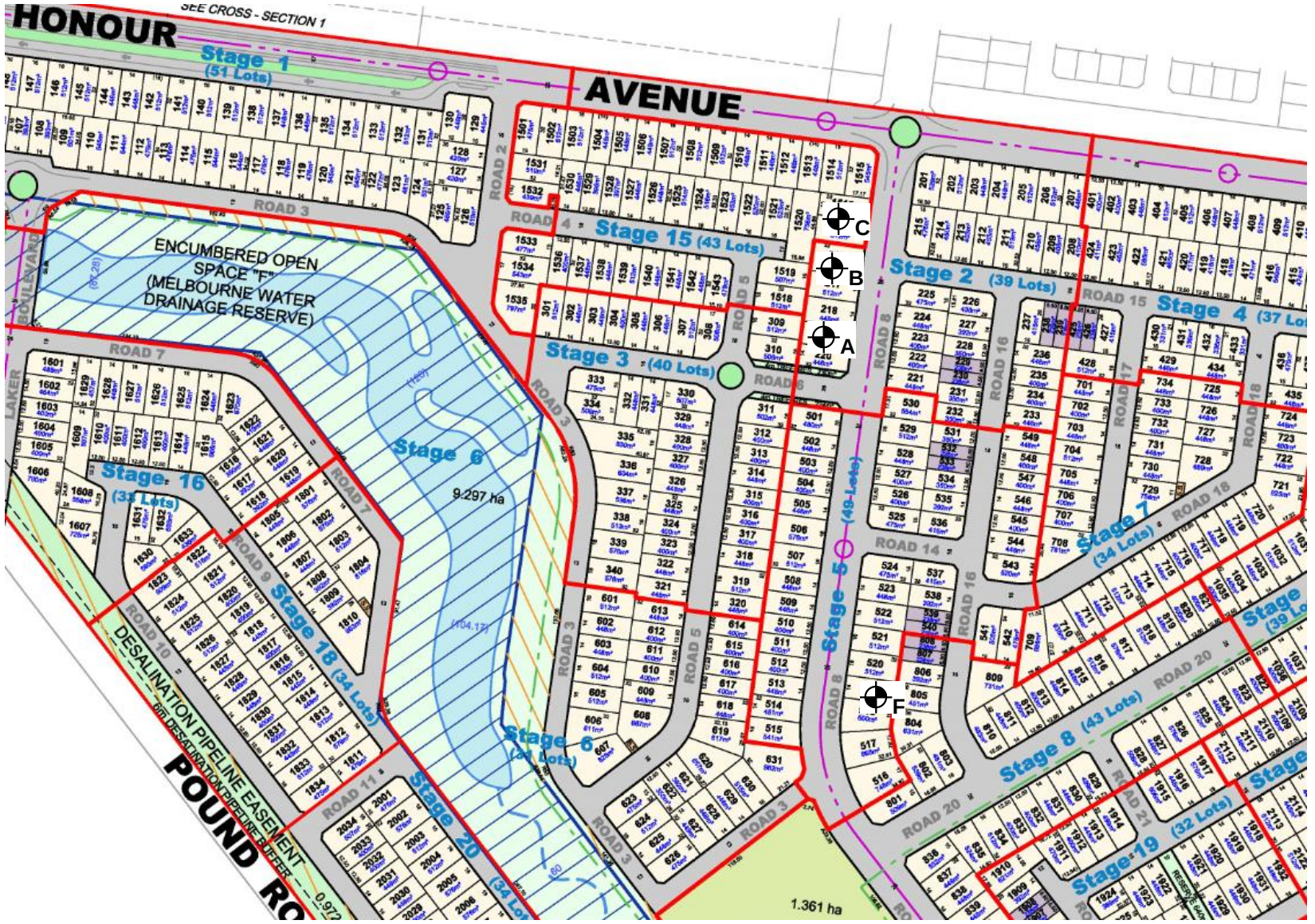
Report Number: **1190228-54**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 19/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 3897
Date Sampled: 14/08/2019 10:00
Dates Tested: 14/08/2019 - 15/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-3897A	192-3897B	192-3897C
Date Tested	14/08/2019	14/08/2019	14/08/2019
Time Tested	11:00	01:45	02:15
Test Request #/Location	Lot 219	Lots 216/217	Lots 1516/1517
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	1.0m 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	1.98	1.98	1.98
Field Moisture Content %	29.7	29.0	27.0
Field Dry Density (FDD) t/m^3	1.52	1.54	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)	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 (%)	**98.5**	**98.0**	**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 3, CLYDE NORTH

Report No: 1190228-54
Plan 1 of 1



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

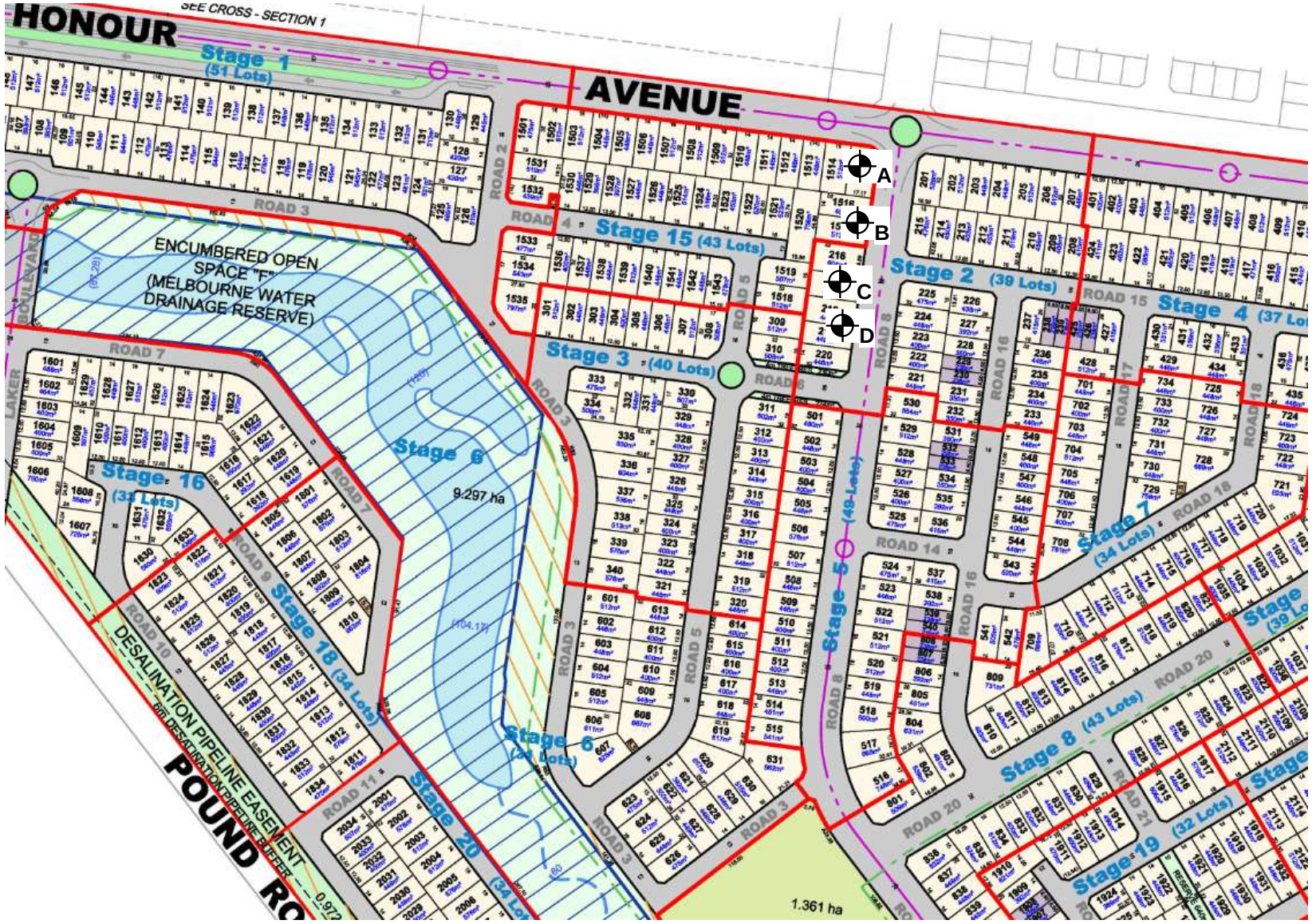
Report Number: **1190228-56**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 20/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 3908
Date Sampled: 15/08/2019 1:00
Dates Tested: 15/08/2019 - 19/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	192-3908A	192-3908B	192-3908C	192-3908D
Date Tested	15/08/2019	15/08/2019	15/08/2019	15/08/2019
Time Tested	14:23	14:37	14:45	14:54
Test Request #/Location	Lot 1515	Lot 1517	Lot 217	Lot 219
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	800mm Below F.S	800mm Below F.S	800mm Below F.S	800mm 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	1.96	1.95	1.97	1.99
Field Moisture Content %	29.5	29.1	30.0	30.6
Field Dry Density (FDD) t/m^3	1.52	1.51	1.52	1.52
Peak Converted Wet Density t/m^3	2.01	2.01	1.98	2.02
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	110.0	113.5	111.5	112.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	-2.5	-3.0	-3.0	-3.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**98.0**	**97.5**	**99.5**	**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: 1190228-56
Plan 1 of 1



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

Civiltest Pty Ltd
Mitcham Laboratory
Unit 7/38 Thornton Crescent Mitcham Vic 3132
Phone: (03) 9874 5844
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Accredited for compliance with ISO/IEC 17025 - Testing

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

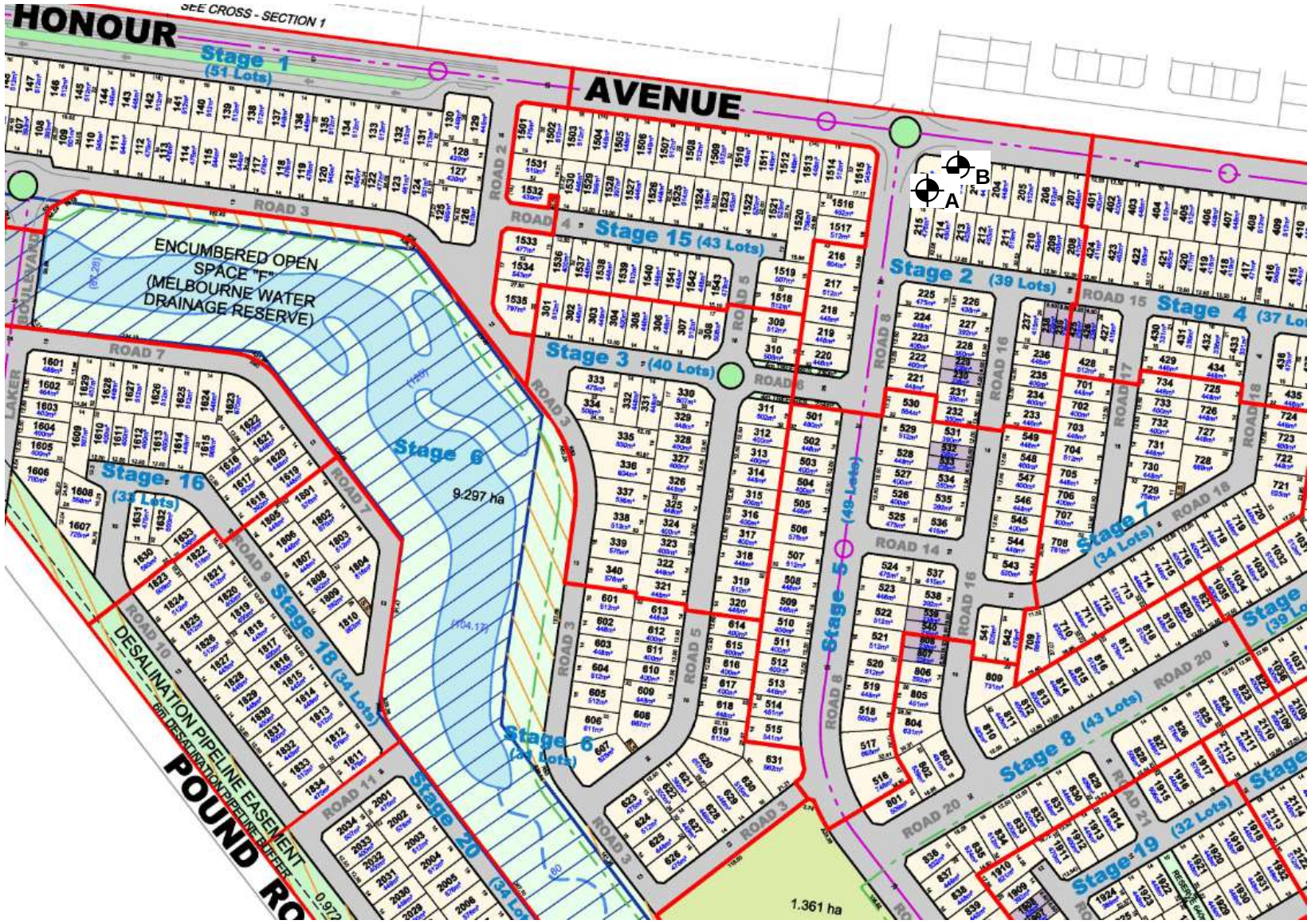
Report Number: **1190228-58**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 26/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 3952
Date Sampled: 21/08/2019 1:00
Dates Tested: 21/08/2019 - 22/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1		
Sample Number	192-3952A	192-3952B
Date Tested	21/08/2019	21/08/2019
Time Tested	14:20	14:25
Test Request #/Location	Lot 201	Lot 202
Chainage (m)	**	**
Location Offset (m)	**	**
Layer / Reduced Level	900mm Below F.S	900mm 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)	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0
Field Wet Density (FWD) t/m^3	2.01	1.94
Field Moisture Content %	27.7	26.9
Field Dry Density (FDD) t/m^3	1.58	1.53
Peak Converted Wet Density t/m^3	2.05	1.99
Adjusted Peak Converted Wet Density t/m^3	**	**
Moisture Ratio % (AS 1289.5.4.1)	98.0	97.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**
Moisture Variation (Wv) %	0.5	1.0
Adjusted Moisture Variation %	**	**
Hilf Density Ratio (%)	**98.0**	**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 3, CLYDE NORTH

Report No: 1190228-58
Plan 1 of 1



Denotes Test Locations

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NOT TO SCALE

Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

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

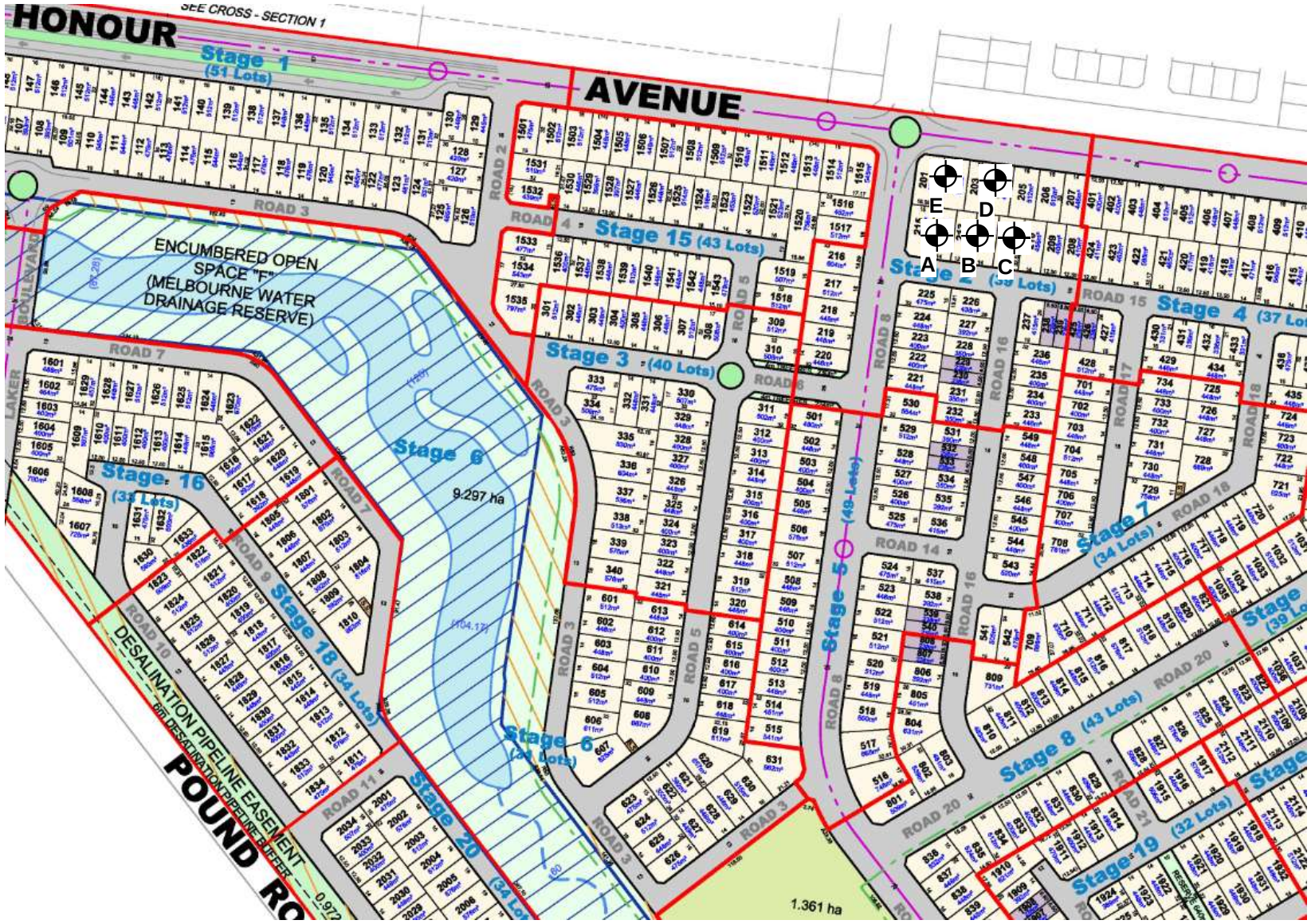
Report Number: **1190228-62**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 30/08/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 3974
Date Sampled: 23/08/2019 1:00
Dates Tested: 26/08/2019 - 26/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-3974A	192-3974B	192-3974C	192-3974D	192-3974E
Date Tested	23/08/2019	23/08/2019	23/08/2019	23/08/2019	23/08/2019
Time Tested	02:00	02:10	02:20	02:30	02:40
Test Request #/Location	Lots 214/215	Lots 212/213	Lot 211	Lots 203/204	Lots 201/202
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	450mm Below F.S	400mm Below F.S	500mm Below F.S	850mm 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	1.97	1.93	1.94	1.96	1.94
Field Moisture Content %	26.8	26.4	26.8	26.6	29.7
Field Dry Density (FDD) t/m^3	1.56	1.53	1.53	1.55	1.49
Peak Converted Wet Density t/m^3	1.99	1.97	1.97	2.00	1.98
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.0	97.5	97.0	99.5	99.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.5	0.0	0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**99.0**	**98.0**	**98.5**	**98.0**	**98.0**
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

Report No: 1190228-62
Plan 1 of 1



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NOT TO SCALE

Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

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

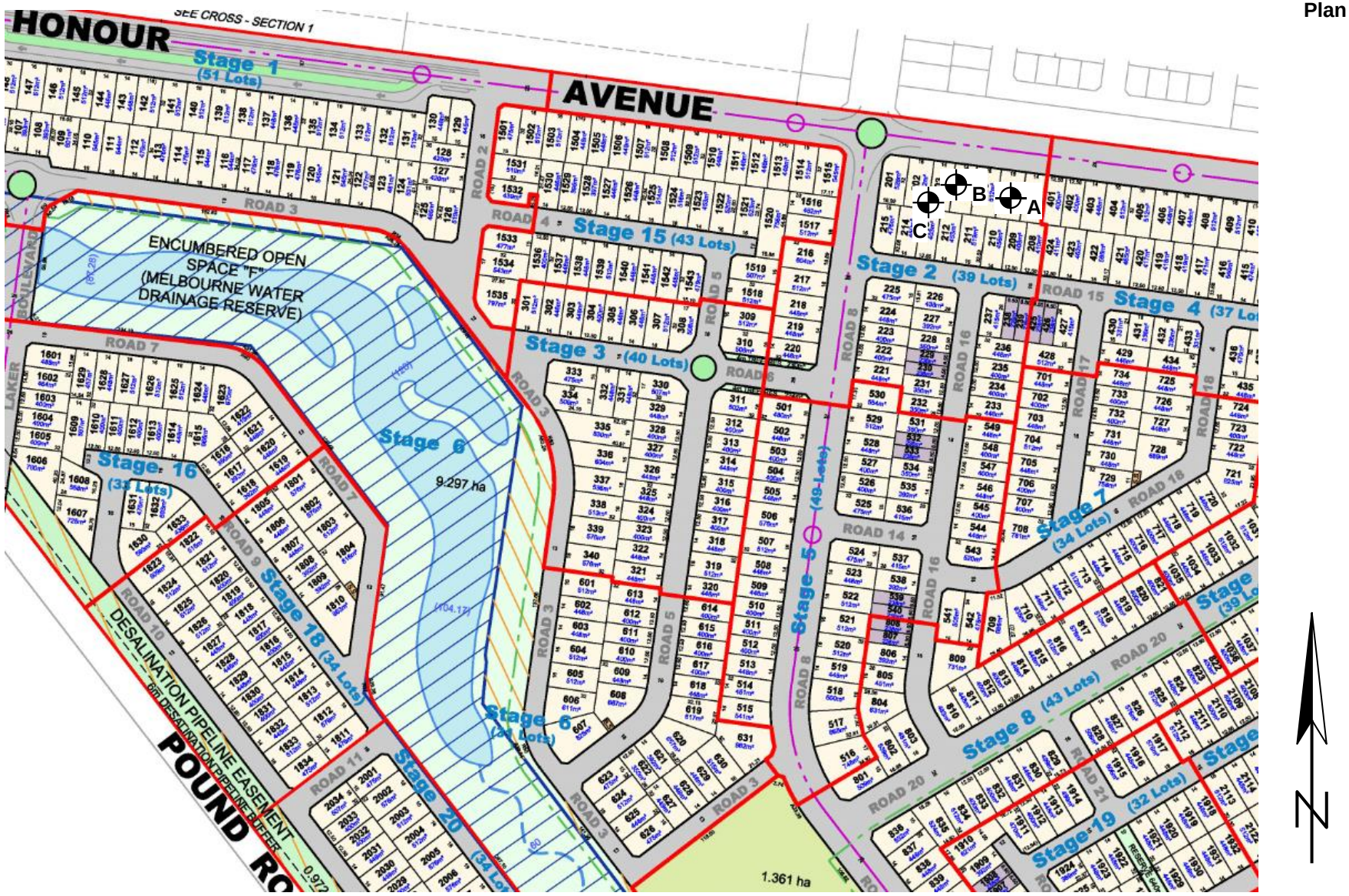
Report Number: **1190228-64**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 02/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 3999
Date Sampled: 27/08/2019 1:20
Dates Tested: 27/08/2019 - 29/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-3999A	192-3999B	192-3999C
Date Tested	27/08/2019	27/08/2019	27/08/2019
Time Tested	13:42	13:50	13:55
Test Request #/Location	Lot 206	Lots 203/204	Lot 202/203
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	450mm Below F.S	450mm Below F.S	600mm 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	1.96	1.99	1.96
Field Moisture Content %	24.9	24.5	30.8
Field Dry Density (FDD) t/m^3	1.57	1.60	1.50
Peak Converted Wet Density t/m^3	1.99	2.03	1.99
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.5	97.5	98.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.5
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 3, CLYDE NORTH

Report No: 1190228-64
Plan 1 of 1



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Material Test Report

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

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

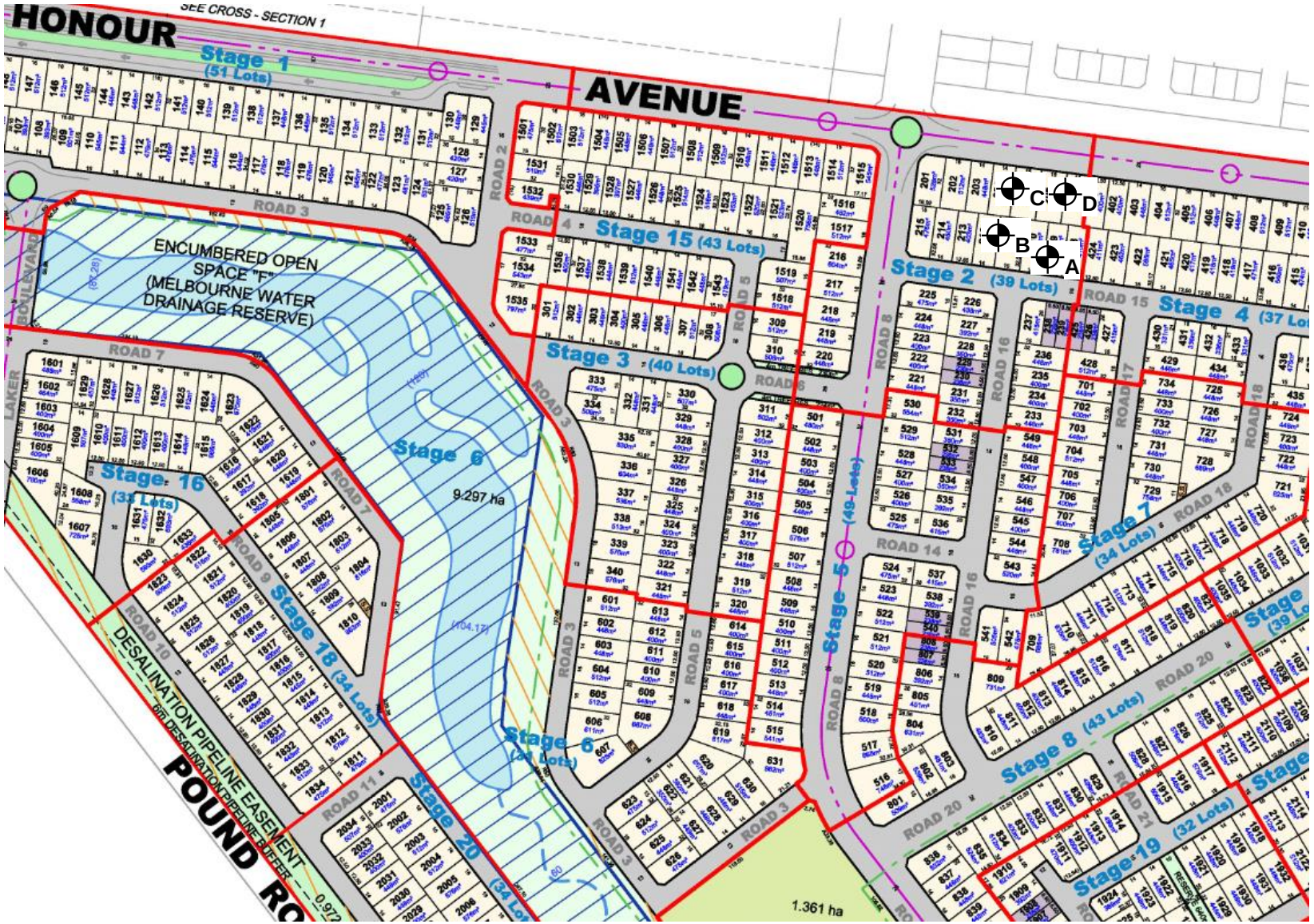
Report Number: **1190228-66**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 02/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 4002
Date Sampled: 28/08/2019 7:30
Dates Tested: 28/08/2019 - 30/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	192-4002A	192-4002B	192-4002C	192-4002D
Date Tested	28/08/2019	28/08/2019	28/08/2019	28/08/2019
Time Tested	09:30	09:40	10:00	10:15
Test Request #/Location	lots 209/210	lots 211/212	lots 204/205	lots 206/207
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	Final	Final	Final	Final
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	2.04	2.06	2.00	2.03
Field Moisture Content %	28.3	30.9	25.4	25.3
Field Dry Density (FDD) t/m^3	1.59	1.57	1.60	1.62
Peak Converted Wet Density t/m^3	2.03	2.06	2.04	2.01
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	121.0	120.0	116.5	119.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	-4.5	-4.5	-3.5	-4.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**100.5**	**100.0**	**98.0**	**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: 1190228-66
Plan 1 of 1



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Material Test Report

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Phone: (03) 9874 5844
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Accredited for compliance with ISO/IEC 17025 - Testing

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

Report Number: **1190228-70**
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: 4025
Date Sampled: 02/09/2019 10:30
Dates Tested: 02/09/2019 - 02/09/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	192-4025A	192-4025B	192-4025C	192-4025D	192-4025E	192-4025F
Date Tested	30/08/2019	30/08/2019	30/08/2019	30/08/2019	30/08/2019	30/08/2019
Time Tested	10:45	10:50	10:55	11:00	03:00	03:10
Test Request #/Location	Lot 214	Lot 202	Lot 212	Lot 204	Lots 219/220	Lots 217/218
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	Finish	Finish	Finish	Finish	450mm Below F.S	500mm 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	1.96	1.96	1.96	1.97	1.96
Field Moisture Content %	27.8	28.6	31.6	30.1	29.7	31.4
Field Dry Density (FDD) t/m^3	1.54	1.52	1.49	1.50	1.52	1.50
Peak Converted Wet Density t/m^3	2.00	2.00	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	97.5	97.5	97.5	97.0	97.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	0.5	1.0	0.5	0.5	1.0	1.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**98.5**	**98.0**	**97.5**	**97.0**	**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

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

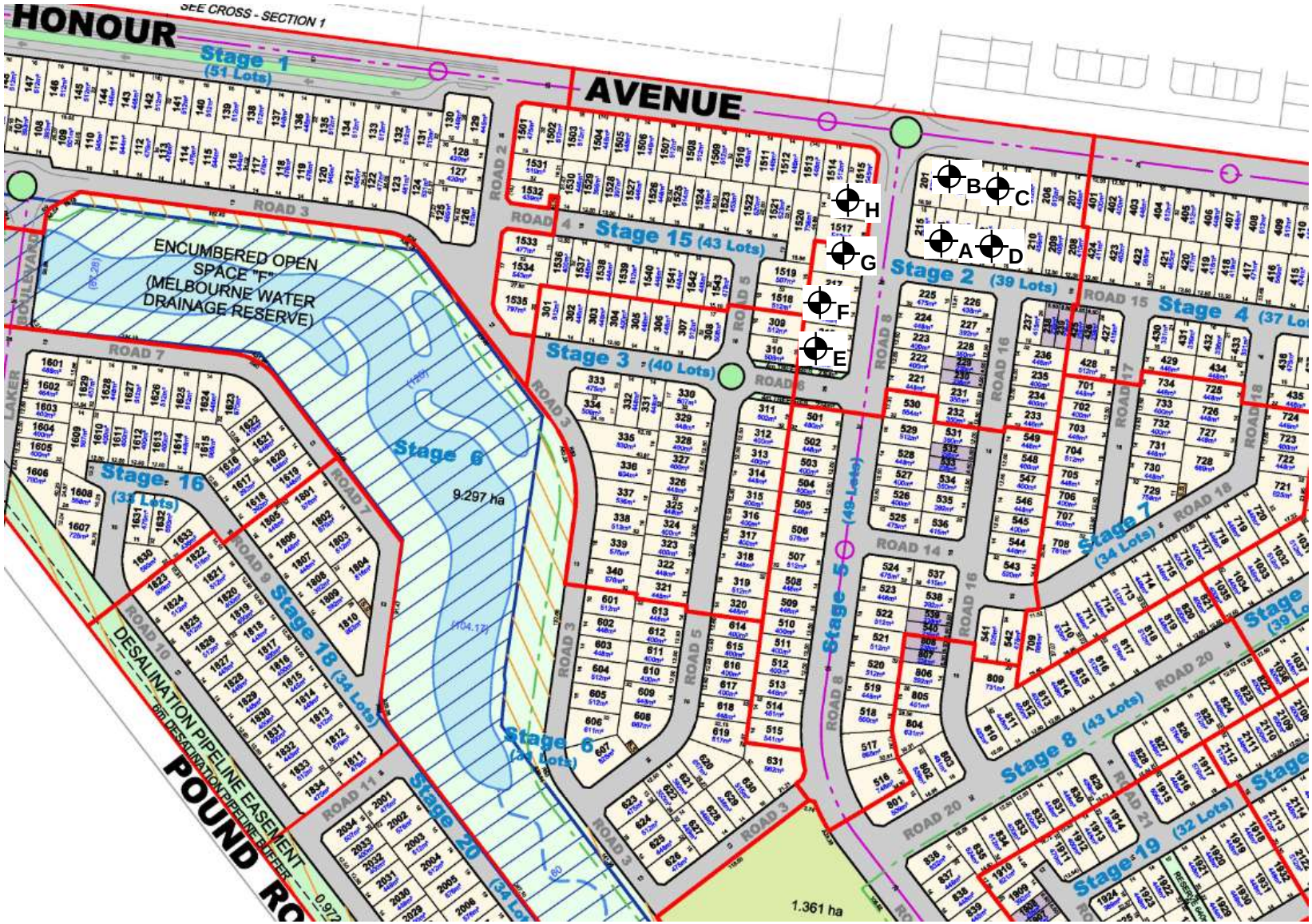
Report Number: **1190228-70**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 05/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 4025
Date Sampled: 02/09/2019 10:30
Dates Tested: 02/09/2019 - 02/09/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1		
Sample Number	192-4025G	192-4025H
Date Tested	30/08/2019	30/08/2019
Time Tested	03:15	03:20
Test Request #/Location	Lots 215/1517	Lots 1515/1516
Chainage (m)	**	**
Location Offset (m)	**	**
Layer / Reduced Level	500mm Below F.S	500mm 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)	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0
Field Wet Density (FWD) t/m^3	1.97	1.95
Field Moisture Content %	31.3	27.8
Field Dry Density (FDD) t/m^3	1.50	1.53
Peak Converted Wet Density t/m^3	2.01	2.00
Adjusted Peak Converted Wet Density t/m^3	**	**
Moisture Ratio % (AS 1289.5.4.1)	98.0	97.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**
Moisture Variation (Wv) %	0.5	1.0
Adjusted Moisture Variation %	**	**
Hilf Density Ratio (%)	**98.0**	**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 3, CLYDE NORTH

Report No: 1190228-70
Plan 1 of 1



Denotes Test Locations

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NOT TO SCALE

Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

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

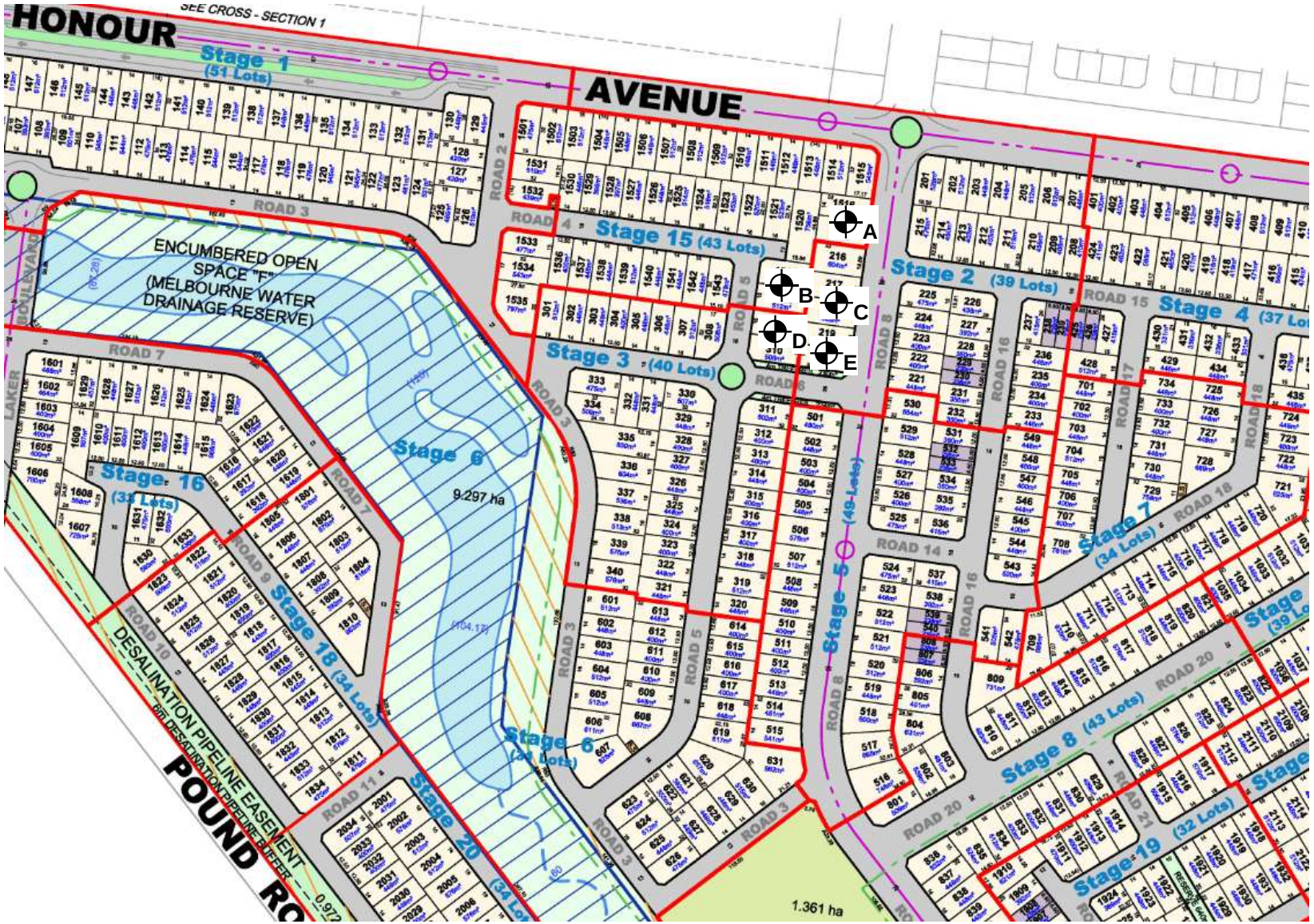
Report Number: **1190228-74**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 11/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS 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

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

Report No: 1190228-74
Plan 1 of 1



⊕ 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

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

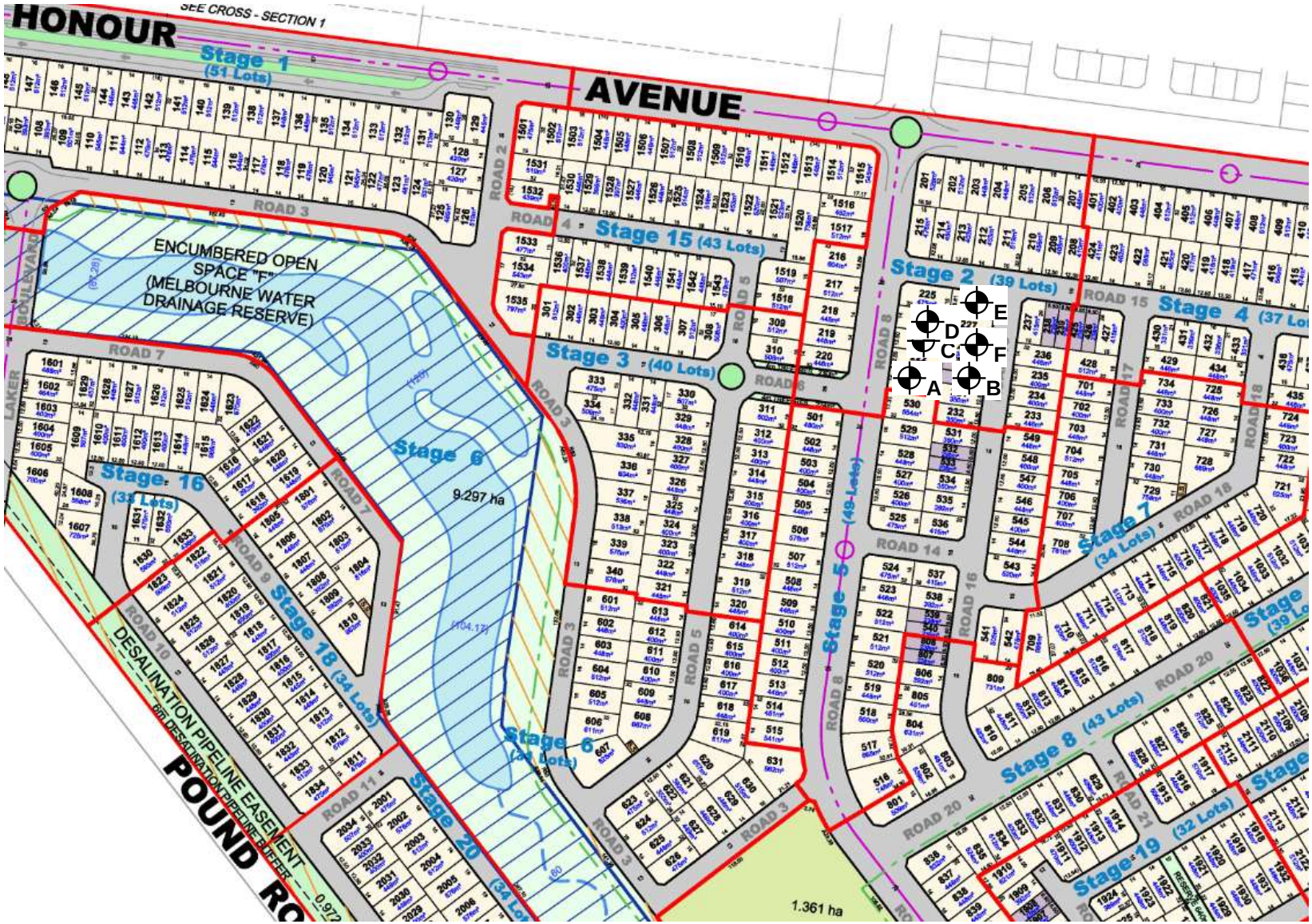
Report Number: **1190228-75**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 11/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 4075
Date Sampled: 05/09/2019 1:00
Dates Tested: 05/09/2019 - 10/09/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	192-4075A	192-4075B	192-4075C	192-4075D	192-4075E	192-4075F
Date Tested	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019	05/09/2019
Time Tested	01:35	01:40	02:00	02:10	02:15	02:20
Test Request #/Location	Lot 221	Lot 230	Lot 223	Lot 224	Lot 226	Lot 228
Chainage (m)	**	**	**	**	**	**
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	1.1m Below F.S	1.1m Below F.S	1.2m Below F.S	1.3m Below F.S	1.4m 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	2.04	2.02	1.99
Field Moisture Content %	11.7	23.9	28.4	27.3	32.0	28.3
Field Dry Density (FDD) t/m^3	1.76	1.60	1.55	1.60	1.53	1.55
Peak Converted Wet Density t/m^3	2.04	2.05	2.01	2.01	2.01	2.04
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	123.0	111.5	112.5	113.5	113.5	121.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	-2.5	-2.5	-3.0	-3.0	-3.5	-4.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**96.5**	**97.0**	**99.0**	**101.0**	**100.0**	**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

LOCATION OF TEST SITES: HONOUR VILLAGE STAGE 3, CLYDE NORTH

Report No: 1190228-75
Plan 1 of 1



Denotes Test Locations

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NOT TO SCALE

Material Test Report

Civiltest Pty Ltd
Mitcham Laboratory
Unit 7/38 Thornton Crescent Mitcham Vic 3132
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Accredited for compliance with ISO/IEC 17025 - Testing

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

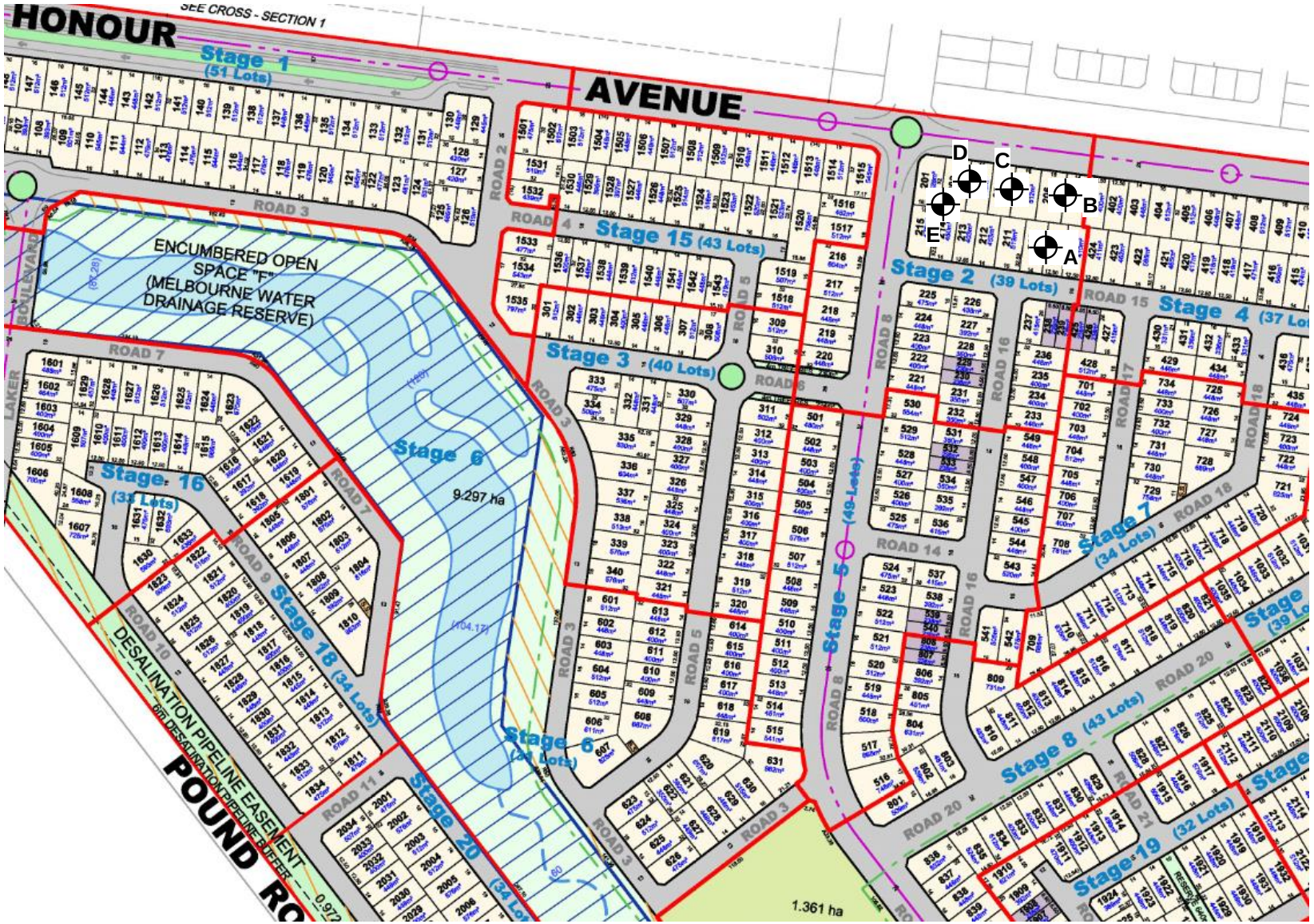
Report Number: **1190228-77**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 12/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 3984
Date Sampled: 26/08/2019 1:00
Dates Tested: 26/08/2019 - 27/08/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-3984A	192-3984B	192-3984C	192-3984D	192-3984E
Date Tested	26/08/2019	26/08/2019	26/08/2019	26/08/2019	26/08/2019
Time Tested	01:45	01:50	02:00	02:10	02:15
Test Request #/Location	Lots 209/210	Lots 206/207	Lots 204/205	Lots 202/203	Lots 201/202
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	400mm Below F.S	700mm Below F.S	700mm Below F.S	700mm Below F.S	400mm Below F.S
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty	CLAY sandy silty
Test Depth (mm)	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0	0.0	0.0	0.0
Field Wet Density (FWD) t/m^3	1.97	1.95	1.97	1.95	1.99
Field Moisture Content %	22.5	24.9	26.2	29.9	24.9
Field Dry Density (FDD) t/m^3	1.61	1.56	1.56	1.50	1.59
Peak Converted Wet Density t/m^3	1.94	1.97	1.99	1.99	2.02
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	103.5	101.0	100.5	101.5	101.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	-0.5	0.0	0.0	-0.5	-0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**102.0**	**99.0**	**99.5**	**98.5**	**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 3, CLYDE NORTH

Report No: 1190228-77
Plan 1 of 1



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Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Phil Morgans
Branch Manager

NATA Accredited Laboratory Number: 790

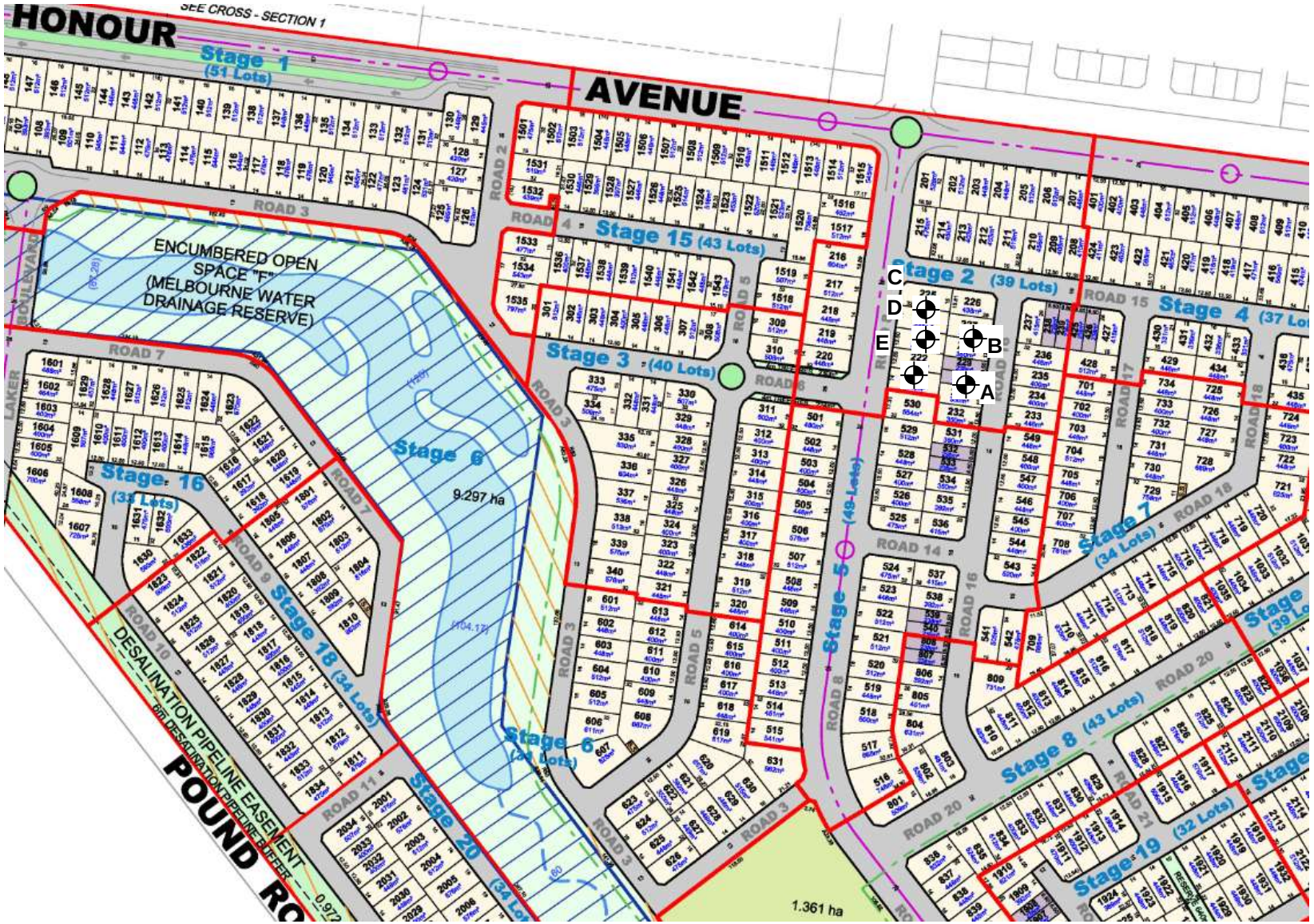
Report Number: **1190228-78**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan attached*
Date Issued: 17/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 4120
Date Sampled: 11/09/2019 7:30
Dates Tested: 11/09/2019 - 12/09/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	192-4120A	192-4120B	192-4120C	192-4120D	192-4120E
Date Tested	11/09/2019	11/09/2019	11/09/2019	11/09/2019	11/09/2019
Time Tested	08:00	08:05	08:10	08:15	08:20
Test Request #/Location	Lots 230/231	Lots 227/228	Lots 224/225	Lot 223	Lot 221
Chainage (m)	**	**	**	**	**
Location Offset (m)	**	**	**	**	**
Layer / Reduced Level	1.1m Below F.S	1.3m Below F.S	700mm Below F.S	700mm Below F.S	700mm 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	2.00	1.99	2.02	2.00	2.02
Field Moisture Content %	32.7	30.8	27.4	28.7	29.7
Field Dry Density (FDD) t/m^3	1.50	1.52	1.58	1.56	1.55
Peak Converted Wet Density t/m^3	2.02	2.01	2.01	2.02	2.04
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.5	98.0	97.0	97.0	98.0
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	0.5	0.5	1.0	1.0	0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	**99.0**	**98.5**	**100.0**	**99.5**	**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 3, CLYDE NORTH

Report No: 1190228-78
Plan 1 of 1



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Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Phil Morgans
Branch Manager

NATA Accredited Laboratory Number: 790

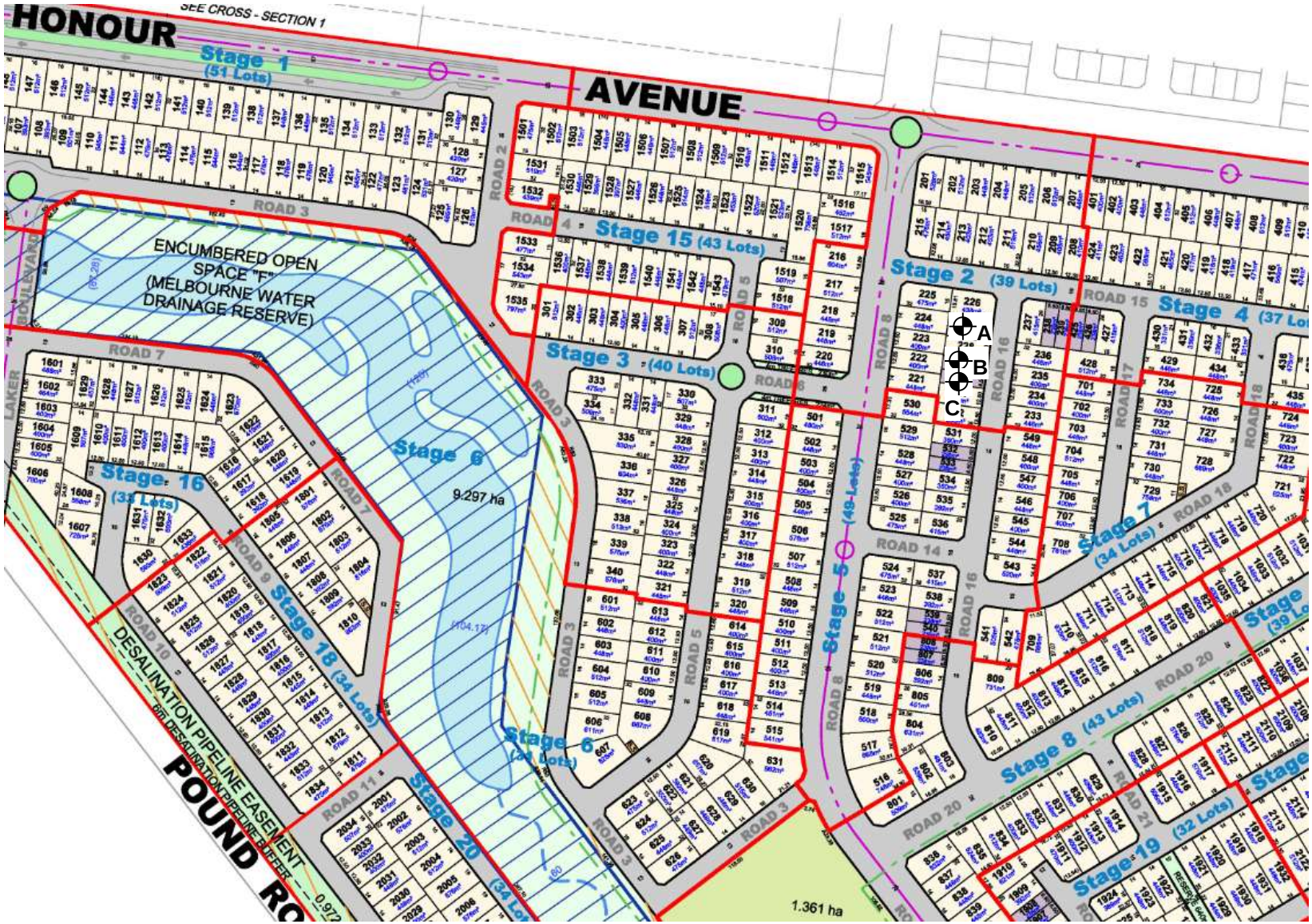
Report Number: **1190228-79**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *plan attached*
Date Issued: 17/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 4121
Date Sampled: 11/09/2019 1:20
Dates Tested: 11/09/2019 - 12/09/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4121A	192-4121B	192-4121C
Date Tested	11/09/2019	11/09/2019	11/09/2019
Time Tested	01:40	01:45	01:50
Test Request #/Location	Lot 227	Lots 228/229	Lot 230
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	600mm Below F.S	600mm Below F.S	600mm 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	2.02	2.03	2.03
Field Moisture Content %	27.7	28.2	27.8
Field Dry Density (FDD) t/m^3	1.58	1.58	1.59
Peak Converted Wet Density t/m^3	2.04	2.04	2.06
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.0	98.5	98.0
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**	**99.5**	**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 3, CLYDE NORTH

Report No: 1190228-79
Plan 1 of 1



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Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

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

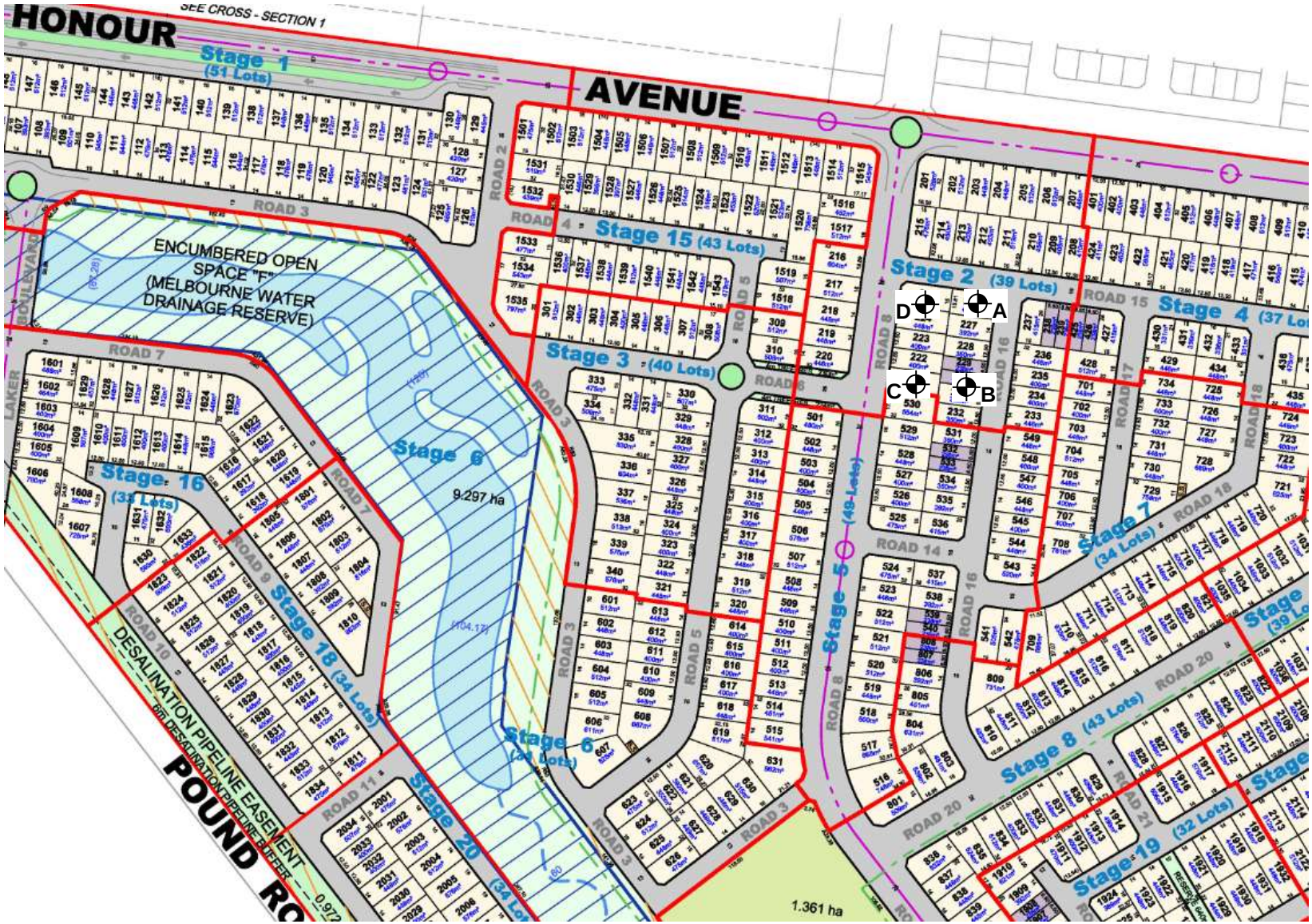
Report Number: **1190228-83**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 19/09/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 4138
Date Sampled: 12/09/2019 1:00
Dates Tested: 12/09/2019 - 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

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	192-4138A	192-4138B	192-4138C	192-4138D
Date Tested	12/09/2019	12/09/2019	12/09/2019	12/09/2019
Time Tested	02:00	02:10	02:15	02:20
Test Request #/Location	Lot 226	Lots 230/231	Lot 221	Lots 224/225
Chainage (m)	**	**	**	**
Location Offset (m)	**	**	**	**
Layer / Reduced Level	400mm Below F.S	400mm Below F.S	400mm 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	1.96	1.97	1.97	1.97
Field Moisture Content %	25.8	24.8	26.5	25.6
Field Dry Density (FDD) t/m^3	1.56	1.58	1.55	1.57
Peak Converted Wet Density t/m^3	1.98	1.99	2.01	1.98
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.0	97.0	97.0	97.5
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 (%)	**99.0**	**99.0**	**98.0**	**99.5**
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 2, CLYDE NORTH

Report No: 1190228-83
Plan 1 of 1



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Material Test Report

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

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

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

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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

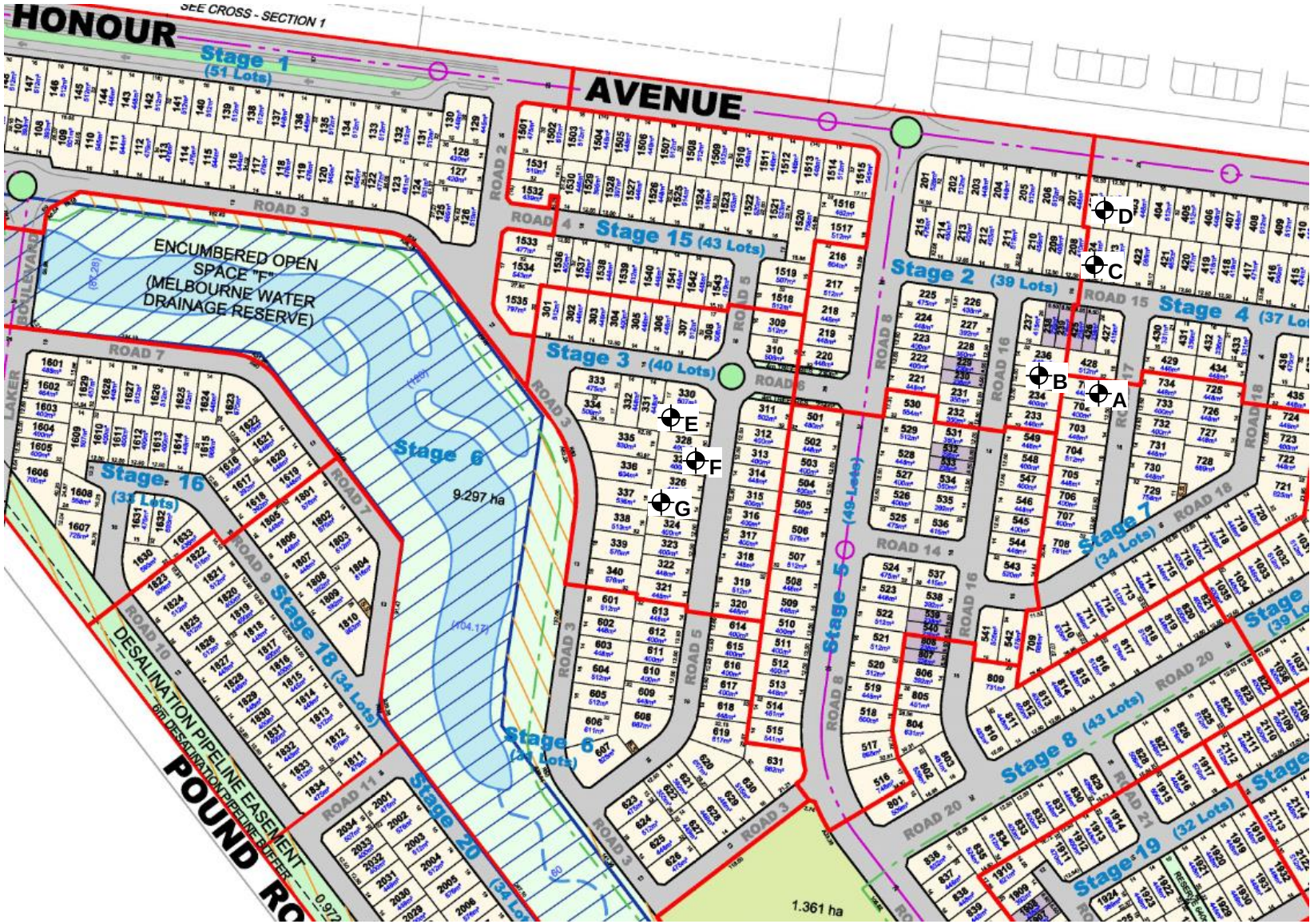
Report Number: **1190228-115**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 01/11/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS 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

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

Report No: 1190228-115
Plan 1 of 1



⊕ 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

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

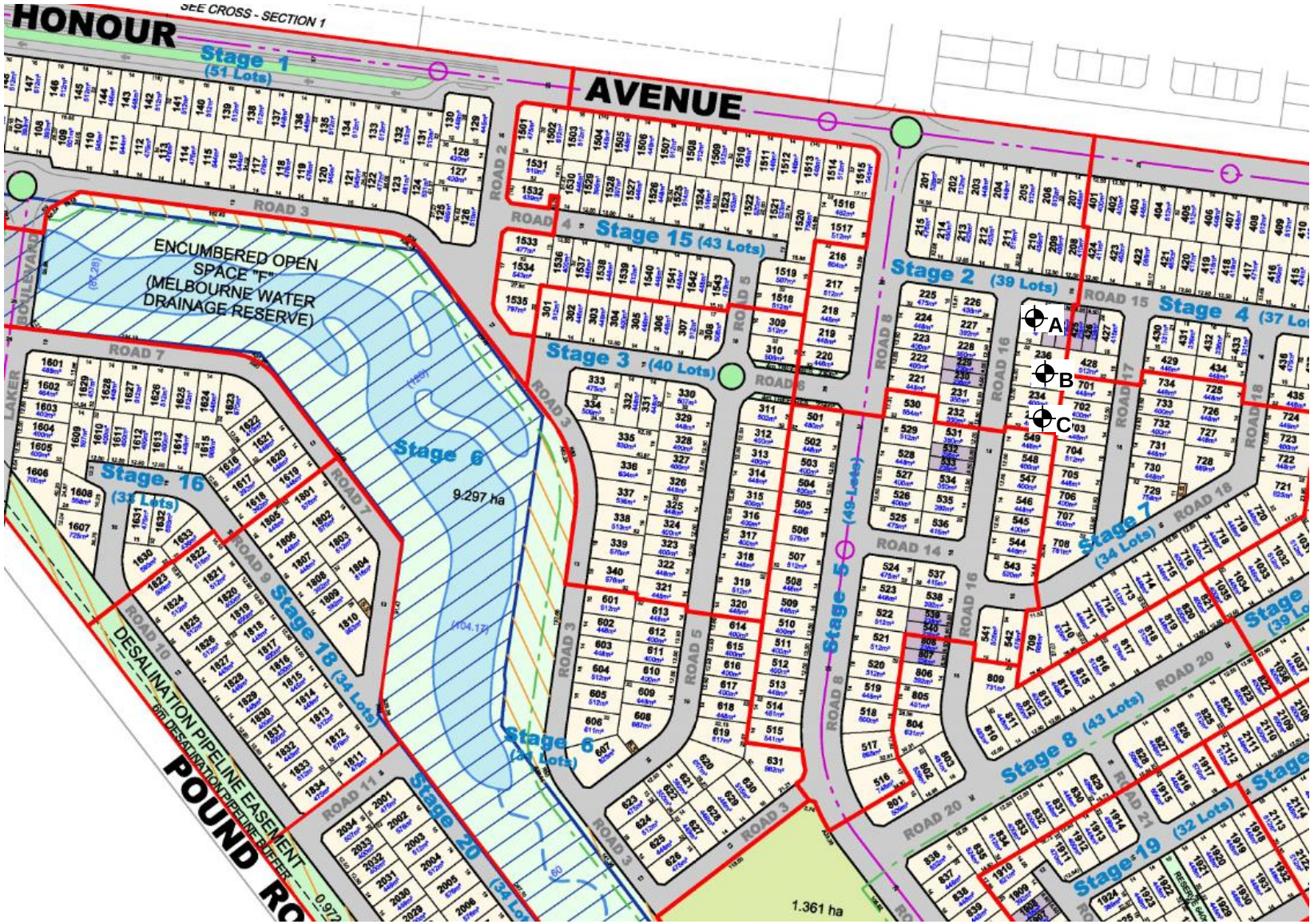
Report Number: **1190228-122**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 18/11/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 4686
Date Sampled: 11/11/2019 7:00
Dates Tested: 11/11/2019 - 12/11/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4686A	192-4686B	192-4686C
Date Tested	11/11/2019	11/11/2019	11/11/2019
Time Tested	15:00	15:08	15:14
Test Request #/Location	Lot 237	Lot 235	Lot 233
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	1.5m Below F.S	1.3m Below F.S	1.1m 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	2.01	2.00
Field Moisture Content %	29.0	28.9	29.1
Field Dry Density (FDD) t/m^3	1.55	1.56	1.55
Peak Converted Wet Density t/m^3	2.03	2.01	2.01
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Ratio % (AS 1289.5.4.1)	97.5	98.5	98.5
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.5	0.5	0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**98.5**	**100.0**	**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

Report No: 1190228-122
Plan 1 of 1



Denotes Test Locations

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NOT TO SCALE

Material Test Report

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Accredited for compliance with ISO/IEC 17025 - Testing

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

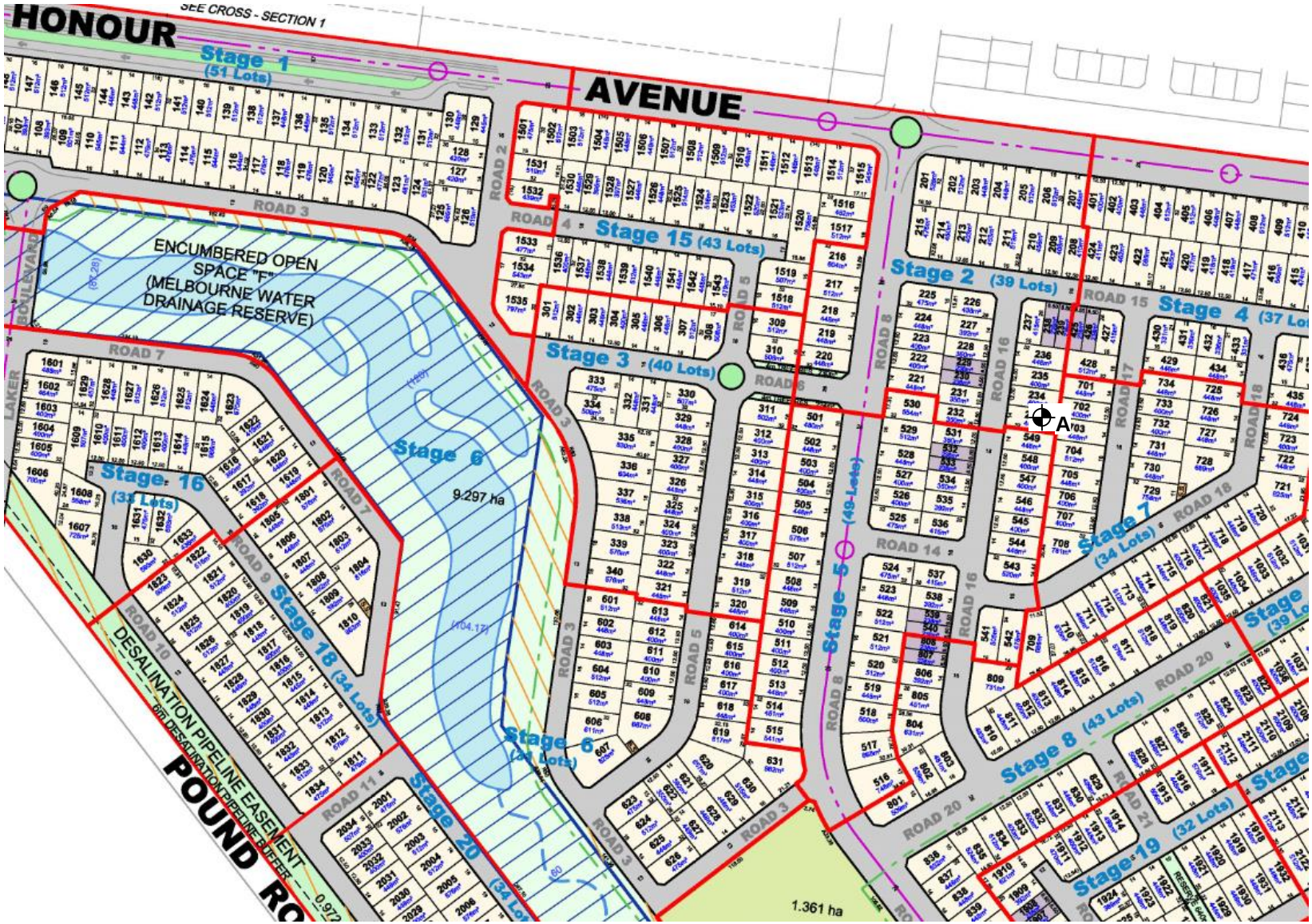
Report Number: **1190228-125**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 19/11/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Project Location: HONOUR VILLAGE WETLANDS STAGE 2, CLYDE NORTH
Work Request: 4715
Date Sampled: 13/11/2019 1:00
Dates Tested: 13/11/2019 - 18/11/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4715A		
Date Tested	13/11/2019		
Time Tested	15:30		
Test Request #/Location	Lot 233		
Chainage (m)	**		
Location Offset (m)	**		
Layer / Reduced Level	700mm Below F.S		
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	2.02		
Field Moisture Content %	27.7		
Field Dry Density (FDD) t/m^3	1.58		
Peak Converted Wet Density t/m^3	1.96		
Adjusted Peak Converted Wet Density t/m^3	**		
Moisture Ratio % (AS 1289.5.4.1)	91.0		
Adjusted Moisture Ratio % (AS 1289.5.4.1)	**		
Moisture Variation (Wv) %	2.5		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	**103.0**		
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

Report No: 1190228-125
Plan 1 of 1



Denotes Test Locations

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NOT TO SCALE

Material Test Report

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

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

Report Number: **1190228-133**
Issue Number: 1
Date Issued: 04/12/2019
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: 4866
Date Sampled: 29/11/2019 09:15
Dates Tested: 29/11/2019 - 03/12/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Compaction
Material: Silty CLAY

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	192-4866A	192-4866B	192-4866C
Date Tested	29/11/2019	29/11/2019	29/11/2019
Time Tested	09:23	09:30	09:37
Test Request #/Location	Lot 233	Lot 235	Lot 237
Chainage (m)	**	**	**
Location Offset (m)	**	**	**
Layer / Reduced Level	FSL -500	FSL -500	FSL -600
Thickness of Layer (mm)	300	300	300
Soil Description	Silty CLAY	Silty CLAY	Silty CLAY
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	2.03	1.90	1.89
Field Moisture Content %	23.7	21.7	24.2
Field Dry Density (FDD) t/m^3	1.64	1.56	1.52
Peak Converted Wet Density t/m^3	2.02	1.92	1.91
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	0.0	0.0	0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**100.5**	**98.5**	**99.0**
Compaction Method	**Standard**	**Standard**	**Standard**

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

Material Test Report

Civiltest Pty Ltd
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Unit 7/38 Thornton Crescent Mitcham Vic 3132
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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

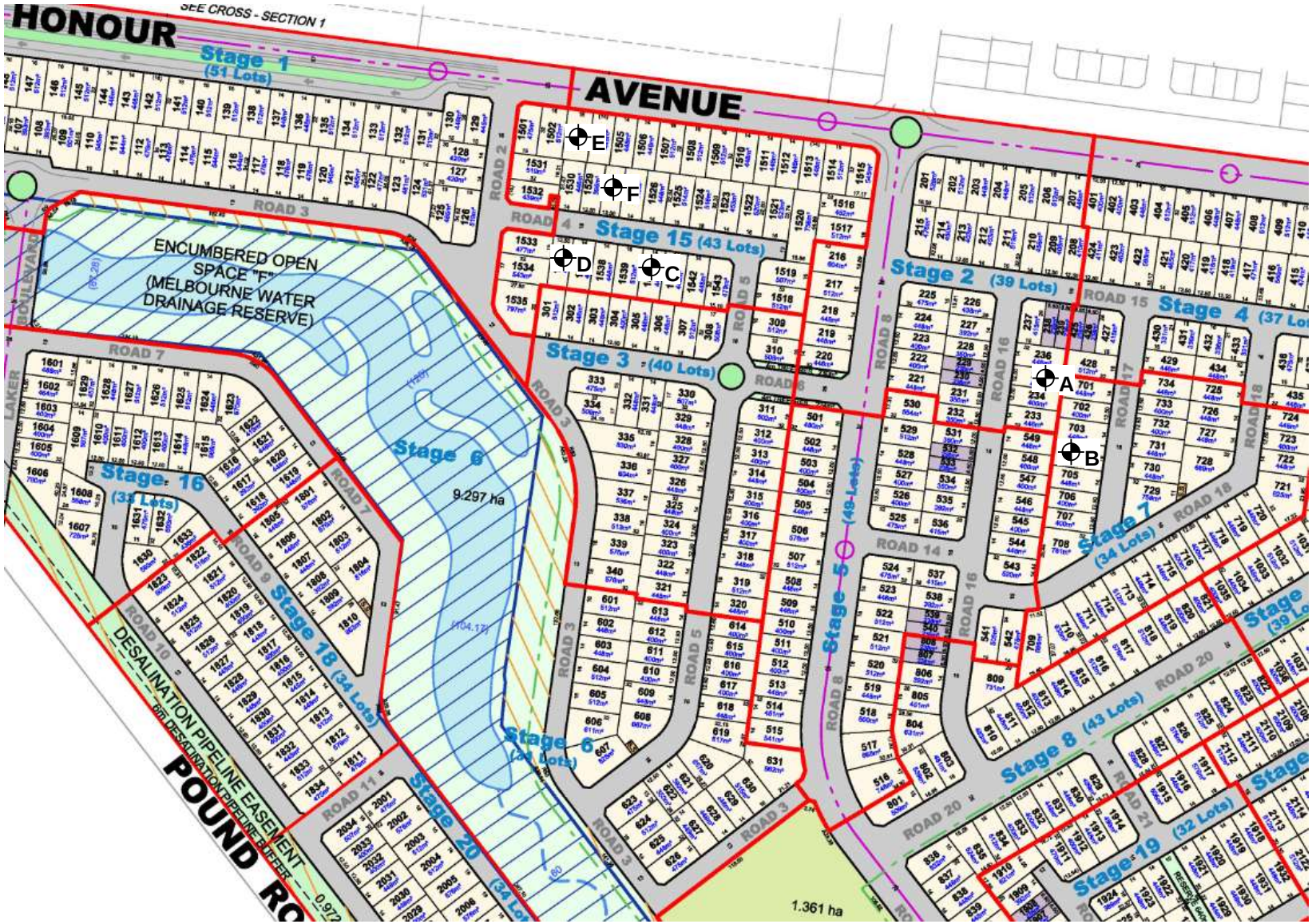
Report Number: **1190228-135**
Issue Number: 2 - *This version supersedes all previous issues*
Reissue Reason: *Plan Added*
Date Issued: 19/12/2019
Client: Australand Residential No 156 Pty Ltd
Level 9, 484 St Kilda Road, MELBOURNE, VIC 3004,
Project Number: 1190228
Project Name: HONOUR VILLAGE WETLANDS 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

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^3	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^3	1.77	1.65	1.56	1.70	1.68	1.57
Peak Converted Wet Density t/m^3	2.02	1.96	1.96	1.96	1.94	1.91
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
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 (%)	**98.0**	**100.5**	**101.0**	**100.0**	**101.5**	**103.5**
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 2, CLYDE NORTH

Report No: 1190228-135
Plan 1 of 1



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NOT TO SCALE

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

Civiltest Pty Ltd
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Unit 7/38 Thornton Crescent Mitcham Vic 3132
Phone: (03) 9874 5844
Email: Phil.morgans@civiltest.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	212-10962A	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^3	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^3	1.62	1.76	1.86	1.77
Peak Converted Wet Density t/m^3	2.03	2.04	2.11	2.08
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**
Moisture Variation (Wv) %	-1.0	0.0	-0.5	0.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	**100.0**	**102.0**	**102.5**	**98.5**
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

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

Civiltest Pty Ltd
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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	212-10962E	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^3	2.02	2.06	2.10	
Field Moisture Content %	19.7	21.6	18.6	
Field Dry Density (FDD) t/m^3	1.69	1.70	1.77	
Peak Converted Wet Density t/m^3	2.04	2.02	2.04	
Adjusted Peak Converted Wet Density t/m^3	**	**	**	
Moisture Variation (Wv) %	1.5	-0.5	0.0	
Adjusted Moisture Variation %	**	**	**	
Hilf Density Ratio (%)	**99.5**	**102.0**	**103.0**	
Compaction Method	**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