COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	21259
		Report No	21259/R001
		Date Issued	04/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	TRIJENA - STAGE 12	Date tested	04/05/21
Location	MICKLEHAM	Checked by	JHF

Feature CONSTRUCTION LAYER *Layer thickness* 150 mm *Time:* 13:30:48

AS 12892.1.1 & 5.8.1

Test No		1	2	3	4	5	6
Location		Janoli Street			Alice Avenue		
Chainage		230	280	330	100	150	200
Offset		1.8 north of kerb	1.8 east of kerb	1.8 west of kerb	1.8 east of kerb	1.8 west of kerb	1.8 south of kerb
Approximate depth from F.S.L.	m						
Measurement depth	mm	125	125	125	125	125	125
Field wet density	t/m³	2.19	2.16	2.17	2.19	2.19	2.20
Field dry density	t/m³	2.06	2.05	2.05	2.06	2.05	2.06
Field moisture content	%	6.5	5.5	6.0	6.5	6.5	6.5

Laboratory Compaction AS 1289.5.1.1 & 5.4.2 Assigned Values (See Report No 40AMWQACJ)

Date of assignment		29/04/2021
Material source and location		40mm Capping - MVQ, Donnybrook
Compactive effort		STANDARD
Maximum Dry Density	t/m³	2.08
Optimum Moisture Content	%	9.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	37.5	37.5	37.5	37.5	37.5	37.5
Percent of oversize material	wet	-	-	-	-	-	-
Percent of oversize material	dry	-	-	-	-	-	-
Adjusted Maximum Dry Density	t/m³	-	-	-	-	-	-
Adjusted Optimum Moisture Content	%	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content		3.0% dry	4.0% dry	3.5% dry	3.0% dry	3.0% dry	3.0% dry
Moisture Ratio (R_m)	%	70.0	58.5	63.0	67.0	70.0	68.5
Density Ratio (R_D)	%	**99.0**	**98.5**	**98.0**	**99.0**	**98.5**	**99.0**

A561ASSIGNED V1.13 MAR 13

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ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	21259
		Report No	21259/R002
		Date Issued	04/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	TRIJENA - STAGE 12	Date tested	04/05/21
Location	MICKLEHAM	Checked by	JHF

Feature	CONSTRUCTION LAYER	Layer thickness	150 mm	Time:	14:14:53

AS 12892.1.1 & 5.8.1

Test No		7						
Location		Pioneer Way						
Chainage		20						
Offset		1.8 north of kerb						
Approximate depth from F.S.L.	m							
Measurement depth	mm	125						
Field wet density	t/m³	2.18						
Field dry density	t/m³	2.04						
Field moisture content	%	6.5						

Laboratory Compaction AS 1289.5.1.1 & 5.4.2 Assigned Values (See Report No 40AMWQACJ)

Date of assignment		29/04/2021
Material source and location		40mm Capping - MVQ, Donnybrook
Compactive effort		STANDARD
Maximum Dry Density	t/m³	2.08
Optimum Moisture Content	%	9.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	37.5						
Percent of oversize material	wet	-						
Percent of oversize material	dry	-						
Adjusted Maximum Dry Density	t/m³	-						
Adjusted Optimum Moisture Content	%	-						

Moisture Variation From Optimum Moisture Content		2.5% dry					
Moisture Ratio (R_m)	%	71.5					
Density Ratio (R_D)	%	**98.0**					

A58TASSIGNED V1.13 MAR 13

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Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	21259		
Report No	21259/R003		
Date Issued	06/05/2021		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	TRIJENA - STAGE 12	*Date tested*	06/05/21
Location	MICKLEHAM	*Checked by*	JHF

Feature	**CAPPING**	*Layer thickness*	150 mm	*Time:*	13:03:48

AS 12892.1.1 & 5.8.1

Test No		**8**	**9**	**10**	**11**	**12**	**13**
Location		Janoli Street			Alice Avenue		
Chainage		330	280	230	100	150	200
Offset		1.8 north of kerb	1.8 east of kerb	1.8 north of kerb	1.8 west of kerb	1.8 east of kerb	1.8 west of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	125	125	125	125	125	125
Field wet density	*t/m³*	2.20	2.18	2.20	2.16	2.16	2.12
Field dry density	*t/m³*	2.07	2.06	2.06	2.05	2.04	2.04
Field moisture content	*%*	6.5	6.0	6.5	5.0	5.5	4.0

Laboratory Compaction AS 1289.5.1.1 & 5.4.2 Assigned Values (See Report No 40AMWQACH)

Date of assignment		29/04/2021
Material source and location		40mm Capping - MVQ, Donnybrook
Compactive effort		STANDARD
Maximum Dry Density	*t/m³*	2.08
Optimum Moisture Content	*%*	9.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	*mm*	37.5	37.5	37.5	37.5	37.5	37.5
Percent of oversize material	*wet*	-	-	-	-	-	-
Percent of oversize material	*dry*	-	-	-	-	-	-
Adjusted Maximum Dry Density	*t/m³*	-	-	-	-	-	-
Adjusted Optimum Moisture Content	*%*	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content		3.0% dry	3.5% dry	2.5% dry	4.5% dry	3.5% dry	5.5% dry
Moisture Ratio (R_m)	*%*	70.0	63.0	72.0	53.5	61.0	43.5
Density Ratio (R_D)	*%*	**99.5**	**99.0**	**98.5**	**98.5**	**98.0**	**98.0**

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ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	21259
		Report No	21259/R004
		Date Issued	06/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	TRIJENA - STAGE 12	Date tested	06/05/21
Location	MICKLEHAM	Checked by	JHF

Feature	**CAPPING**	*Layer thickness*	150 mm	*Time:*	13:46:56

AS 12892.1.1 & 5.8.1

Test No		**14**					
Location		Pioneer Way					
	Chainage	15					
	Offset	1.8 south of kerb					
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	125					
Field wet density	*t/m³*	2.16					
Field dry density	*t/m³*	2.04					
Field moisture content	*%*	6.0					

Laboratory Compaction AS 1289.5.1.1 & 5.4.2 Assigned Values (See Report No 40AMWQACH)

Date of assignment		29/04/2021
Material source and location		40mm Capping - MVQ, Donnybrook
Compactive effort		STANDARD
Maximum Dry Density	*t/m³*	2.08
Optimum Moisture Content	*%*	9.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	*mm*	37.5					
Percent of oversize material	*wet*	-					
Percent of oversize material	*dry*	-					
Adjusted Maximum Dry Density	*t/m³*	-					
Adjusted Optimum Moisture Content	*%*	-					

Moisture Variation From Optimum Moisture Content		3.5% dry					
Moisture Ratio (R_m)	*%*	64.0					
Density Ratio (R_D)	*%*	**98.0**					

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Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	21259
		Report No	21259/R005
		Date Issued	17/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	TRIJENA - STAGE 12	Date tested	17/05/21
Location	MICKLEHAM	Checked by	JHF

Feature	**CLASS 3**	*Layer thickness*	100 mm	*Time:*	11:25:55

AS 12892.1.1 & 5.8.1

Test No		**15**	**16**	**17**	**18**	**19**	
Location		Pioneer Way	Alice Avenue	Janoli Street			
	Chainage	15	210	230	280	330	
	Offset	1.8 south of kerb	1.8 east of kerb	1.8 north of kerb	1.8 east of kerb	1.8 west of kerb	
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	75	75	75	75	75	
Field wet density	*t/m³*	2.43	2.41	2.42	2.42	2.41	
Field dry density	*t/m³*	2.31	2.29	2.31	2.28	2.28	
Field moisture content	*%*	5.5	5.5	5.0	6.0	5.5	

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203ACMBD)

Date of assignment		31/03/2021
Material source and location		20mm Class 3 - ACM, Beveridge
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.33
Optimum Moisture Content	*%*	7.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	*mm*	19.0	19.0	19.0	19.0	19.0	
Percent of oversize material	*wet*	-	-	-	-	-	
Percent of oversize material	*dry*	-	-	-	-	-	
Adjusted Maximum Dry Density	*t/m³*	-	-	-	-	-	
Adjusted Optimum Moisture Content	*%*	-	-	-	-	-	

Moisture Variation From Optimum Moisture Content	2.0% dry	2.0% dry	2.5% dry	1.5% dry	2.0% dry	
Moisture Ratio (R_m)	*%*	73.5	72.5	67.5	79.0	72.5	
Density Ratio (R_D)	*%*	**99.0**	**98.0**	**99.0**	**98.0**	**98.0**	

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

Job No	21259		
Report No	21259/R006		
Date Issued	17/05/2021		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	*Tested by*	AC
Project	TRIJENA - STAGE 12	*Date tested*	17/05/21
Location	MICKLEHAM	*Checked by*	JHF

Feature	**CLASS 3**	*Layer thickness*	130 / 170 mm	*Time:*	12:18:02

AS 12892.1.1 & 5.8.1

Test No		**20**	**21**				
Location		Alice Avenue					
Chainage		100	160				
Offset		1.8 west of kerb	1.8 east of kerb				
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	100	150				
Field wet density	*t/m³*	2.41	2.43				
Field dry density	*t/m³*	2.28	2.31				
Field moisture content	*%*	5.5	5.5				

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 203ACMBD)

Date of assignment		31/03/2021
Material source and location		20mm Class 3 - ACM, Beveridge
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.33
Optimum Moisture Content	*%*	7.5

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	*mm*	19.0	19.0				
Percent of oversize material	*wet*	-	-				
Percent of oversize material	*dry*	-	-				
Adjusted Maximum Dry Density	*t/m³*	-	-				
Adjusted Optimum Moisture Content	*%*	-	-				

Moisture Variation From Optimum Moisture Content		2.0% dry	2.0% dry				
Moisture Ratio (R_m)	*%*	76.0	73.5				
Density Ratio (R_D)	*%*	**98.0**	**99.0**				

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Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	21259
		Report No	21259/R007
		Date Issued	25/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	TRIJENA - STAGE 12	Date tested	25/05/21
Location	MICKLEHAM	Checked by	JHF

Feature	CLASS 2 (1st Layer)	Layer thickness	100 mm	Time:	11:27:36

AS 12892.1.1 & 5.8.1

Test No		22						
Location		Alice Avenue						
Chainage		100						
Offset		1.8 east of kerb						
Approximate depth from F.S.L.	m							
Measurement depth	mm	75						
Field wet density	t/m³	2.42						
Field dry density	t/m³	2.30						
Field moisture content	%	5.5						

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 202ABAD)

Date of assignment		31/03/2021
Material source and location		20mm Class 2 - ACM, Beveridge
Compactive effort		MODIFIED
Maximum Dry Density	t/m³	2.35
Optimum Moisture Content	%	7.0

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	19.0						
Percent of oversize material	wet	-						
Percent of oversize material	dry	-						
Adjusted Maximum Dry Density	t/m³	-						
Adjusted Optimum Moisture Content	%	-						

Moisture Variation From Optimum Moisture Content	2.0% dry						
Moisture Ratio (R_m)	%	74.0						
Density Ratio (R_D)	%	**98.0**						

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Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	21259
		Report No	21259/R008
		Date Issued	25/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	TRIJENA - STAGE 12	Date tested	25/05/21
Location	MICKLEHAM	Checked by	JHF

Feature	**CLASS 2**	*Layer thickness*	130 mm	*Time:*	12:00:06

AS 12892.1.1 & 5.8.1

Test No		**23**	**24**	**25**	**26**	**27**	**28**
Location		Alice Avenue		Pioneer Way	Janoli Street		
Chainage		150	200	15	230	280	330
Offset		1.8 west of kerb	1.8 east of kerb	1.8 south of kerb	1.8 north of kerb	1.8 east of kerb	1.8 west of kerb
Approximate depth from F.S.L.	*m*						
Measurement depth	*mm*	100	100	100	100	100	75
Field wet density	*t/m³*	2.46	2.45	2.45	2.48	2.46	2.49
Field dry density	*t/m³*	2.32	2.30	2.30	2.35	2.34	2.34
Field moisture content	*%*	6.5	6.5	6.5	5.0	5.5	6.0

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 202ABAD)

Date of assignment		31/03/2021
Material source and location		20mm Class 2 - ACM, Beveridge
Compactive effort		MODIFIED
Maximum Dry Density	*t/m³*	2.35
Optimum Moisture Content	*%*	7.0

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	*mm*	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material	*wet*	-	-	-	-	-	-
Percent of oversize material	*dry*	-	-	-	-	-	-
Adjusted Maximum Dry Density	*t/m³*	-	-	-	-	-	-
Adjusted Optimum Moisture Content	*%*	-	-	-	-	-	-

Moisture Variation From Optimum Moisture Content		1.0% dry	0.5% dry	1.0% dry	2.0% dry	2.0% dry	1.0% dry
Moisture Ratio (R_m)	*%*	89.0	93.5	88.5	73.0	74.5	86.0
Density Ratio (R_D)	*%*	**98.5**	**98.0**	**98.0**	**100.0**	**99.5**	**100.0**

A561ASSIGNED V1.13 MAR 13

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ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon, Vic 3136

		Job No	21259
		Report No	21259/R009
		Date Issued	05/05/2021
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	TRIJENA - STAGE 12	Date tested	26/05/21
Location	MICKLEHAM	Checked by	JHF

Feature	CLASS 2 (2nd Layer)	Layer thickness	110 mm	Time:	07:11:43

AS 12892.1.1 & 5.8.1

Test No		37					
Location		Alice Avenue					
Chainage		100					
Offset		1.8 east of kerb					
Approximate depth from F.S.L.	m						
Measurement depth	mm	75					
Field wet density	t/m³	2.45					
Field dry density	t/m³	2.31					
Field moisture content	%	6.0					

Laboratory Compaction AS 1289.5.2.1 & 5.4.2 Assigned Values (See Report No 202ABAD)

Date of assignment		31/03/2021
Material source and location		20mm Class 2 - ACM, Beveridge
Compactive effort		MODIFIED
Maximum Dry Density	t/m³	2.35
Optimum Moisture Content	%	7.0

Test procedure AS 1289.5.4.1

Oversize rock retained on sieve	mm	19.0					
Percent of oversize material	wet	-					
Percent of oversize material	dry	-					
Adjusted Maximum Dry Density	t/m³	-					
Adjusted Optimum Moisture Content	%	-					

Moisture Variation From Optimum Moisture Content		1.5% dry					
Moisture Ratio (R_m)	%	82.0					
Density Ratio (R_D)	%	**98.5**					

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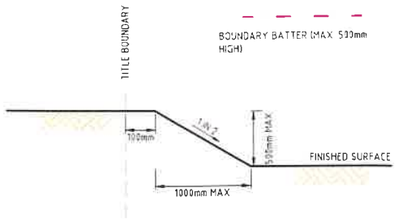
Approved Signatory : Justin Fry



BOUNDARY BATTER SLOPE TYPICAL DETAIL

BOUNDARY BATTER SLOPE UP TO 500mm

NOT TO SCALE

N

MGA 94
ZONE 55

FUTURE STAGE 15

SWALE TO BE CONSTRUCTED WITH ROCK BEACHING BUNDS AT 30m INTERVALS

PROVIDE 10.5R TEMPORARY TURNING AREA AS PER EDCM FIGURE 10.16.1 200mm MIN DEPTH COMPACTED CRUSHED ROCK, INCLUDING SUITABLE VEHICLE EXCLUSION BOLLARDS/FENCING WITH NO ROAD & CHEVRON SIGN AS PER HCC STANDARD DRAWING SD497. CONCRETE EDGE STRIP & AG DRAIN TO BE PROVIDED AS PER LIMIT OF WORKS DETAIL

PROVIDE 10.5R TEMPORARY TURNING AREA AS PER EDCM FIGURE 10.16.1 200mm MIN DEPTH COMPACTED CRUSHED ROCK, INCLUDING SUITABLE VEHICLE EXCLUSION BOLLARDS/FENCING WITH NO ROAD & CHEVRON SIGN AS PER HCC STANDARD DRAWING SD497. CONCRETE EDGE STRIP & AG DRAIN TO BE PROVIDED AS PER LIMIT OF WORKS DETAIL

PROVIDE Φ225 BREAKOUT IN EASTERN WALL OF PIT AT IL262.924 FOR FUTURE CONNECTION

PROVIDE 24 OFFSTREET PARKING BAYS TO HCC STANDARD DRAWING SD307

HEAVY DUTY VEHICLE CROSSING TO BE CONSTRUCTED AS PART OF WORKS (REFER TO EDCM S03)

SWALE DRAIN TO BE HYDRASEEDED

TIMBER PALING FENCING TO MATCH EXISTING STAGE 1 FENCING

REMOVE TEMPORARY TURNING CIRCLE AND FENCING

SAWCUT & REMOVE SIGNS, CONCRETE EDGE STRIP AND AG DRAIN. MATCH NEATLY IN WITH EXISTING INFRASTRUCTURE

5m CATCH DRAIN EASEMENT

PIONEER WAY

PROVIDE Φ225 BREAKOUT IN WESTERN WALL OF PIT AT IL264.804 FOR FUTURE CONNECTION

FUTURE STAGE 13

SWALE TO BE CONSTRUCTED WITH ROCK BEACHING BUNDS AT 30m INTERVALS & TO DISCHARGE INTO V-NOTCH PIT 335

REMOVE EXISTING FENCE

EXISTING TABLE DRAIN TO BE EXCAVATED & FILLED TO LEVEL 1 FILL IN ACCORDANCE WITH STANDARD NOTES

PROVIDE 1.8m TALL PALING FENCING

TREES TO BE RETAINED

REMOVE TEMPORARY TURNING CIRCLE AND FENCING

SAWCUT & REMOVE SIGNS, CONCRETE EDGE STRIP, ROCK BEACHING AND AG DRAIN MATCH NEATLY IN WITH EXISTING INFRASTRUCTURE

REMOVE EXISTING FENCE

ALICE AVENUE

JANOLI STREET

ZANOLI STREET

REMOVE EXISTING FENCE

EXISTING TABLE DRAIN TO BE EXCAVATED & FILLED TO LEVEL 1 FILL IN ACCORDANCE WITH STANDARD NOTES

EXISTING STAGE 1

EXISTING STAGE 6

SAWCUT & REMOVE SIGNS, CONCRETE EDGE STRIP AND AG DRAIN. MATCH NEATLY IN WITH EXISTING INFRASTRUCTURE

Layers:

- Construction
- Class 2
- Capping
- Class 3

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES

Rev	Amendments	Approved	Date
G	ISSUED FOR CONSTRUCTION	M T S	02/02/21
D	DRAINAGE ALIGNMENT UPDATED	M T S	19/01/21
C	EXTENDED DRIVEWAY, SERVICE CONDUITS, TURNING AREA AMENDED	M T S	10/12/20
B	DRAINAGE NETWORK UPDATED, NOTES ADDED	M T S	05/11/20
A	ISSUED TC COUNCIL	M T S	15/09/20

Scale: H 1:500 SCALE @ A1 — 0 5 10 15 20 25

spiire
414 LA TROBE STREET PO BOX 16084 MELBOURNE
VICTORIA 8007 AUSTRALIA T 61 3 9993 7888
spiire.com.au ABN 55 050 029 635

POTTER GEORGE

TRIJENA

Designed: K. AYRES
Checked: J. KOEHLER
Authorised: M. TOOMER-SMITH
Date: 02/02/21

TRIJENA ESTATE
STAGE 12
ROAD AND DRAINAGE
ROAD LAYOUT PLANS - FACE PLAN
HUME CITY COUNCIL
PGG (MICKLEHAM) PTY LTD

CONSTRUCTION Dwg No. 304015CR200 Rev 0

title name 304015CR200.dwg layout name CR200 plotted by Kieran Ayres
file location \\spiire\mel\data\Data\301\304015\Civil\ACAD plot date 02/02/2021 2:49 PM Sheet 2 of 10 Sheets

CIVIL GEOTECHNICAL SERVICES
ABN 26 474 013 724
PO Box 678 Croydon Vic 3136
Telephone: 9723 0744 Facsimile: 9723 0799

29th June 2021

Our Reference: 21263:NB977

Winslow Constructors Pty Ltd
50 Barry Road
CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING
TRIJENA – STAGE 12 (MICKLEHAM)

Please find attached our Report No 21263/R001 which relates to the field density testing that was conducted within the filled allotments at the above subdivision. The level 1 inspections and associated field density was performed in June 2021.

The inspections and testing of the earthworks was undertaken in general accordance with the Level 1 requirements of AS 3798 - Guidelines on Earthworks for Commercial and Residential Developments.

The site inspection and testing was performed by experienced geotechnicians from this office. Any areas that were deemed unsatisfactory were reworked and retested under their supervision. The testing was performed to the relevant Australian Standards and the accompanying test reports carry NATA endorsement. The attached compaction results, which were located randomly throughout the fill profile, are considered to be representative of the bulk fill materials that were placed across the reported allotments by Winslow Constructors during the aforementioned period. The approximate locations of the field density tests can be seen on the attached plan (Figure 1).

We are of the view that the bulk fill materials that have been placed across the reported allotments by Winslow Constructors during the aforementioned period can be considered as having been placed in a controlled manner to a minimum density ratio of 95% (standard compactive effort).

Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

Nick Brock

FIGURE 1


FUTURE
STAGE 15
BOUNDARY BATTER SLOPE TYPICAL DETAIL
BOUNDARY BATTER SLOPE UP TO 500mm
NOT TO SCALE
PIONEER WAY
FUTURE
STAGE 13
ALICE AVENUE
JARROLI STREET
EXISTING
STAGE 1
EXISTING
STAGE 6
Approximate field density test location
WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
spiire
POTTER GEORGE
TRIJENA
TRIJENA ESTATE
STAGE 12
ROAD AND DRAINAGE
ROAD LAYOUT PLANS - FACE PLAN
HUME CITY COUNCIL
PDG (MICKLEHAM) PTY LTD
CONSTRUCTION 304015CR200 0

COMPACTION ASSESSMENT

CIVIL GEOTECHNICAL SERVICES
6 - 8 Rose Avenue, Croydon 3136

Job No	21263		
Report No	21263/R001		
Date Issued	29/06/2021		
Client	WINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AC
Project	TRIJENA - STAGE 12	Date tested	21/06/21
Location	MICKLEHAM	Checked by	JHF

Feature EARTHWORKS | *Layer thickness* 200 mm | *Time:* 13:28

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		**1**	**2**	**3**	**4**	**5**	**-**
Location		REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	
Approximate depth below FSL							
Measurement depth	*mm*	175	175	175	175	175	-
Field wet density	*t/m³*	1.95	1.98	1.92	1.86	1.84	-
Field moisture content	*%*	14.4	20.7	19.8	16.8	19.6	-

Test procedure AS 1289.5.7.1

Test No		1	2	3	4	5	-
Compactive effort		Standard					
Oversize rock retained on sieve	*mm*	19.0	19.0	19.0	19.0	19.0	-
Percent of oversize material	*wet*	0	0	0	0	0	-
Peak Converted Wet Density	*t/m³*	2.01	2.01	2.01	1.92	1.91	-
Adjusted Peak Converted Wet Density	*t/m³*	-	-	-	-	-	-
Optimum Moisture Content	*%*	12.5	18.5	17.5	15.0	17.0	-

Moisture Variation From Optimum Moisture Content	2.0% wet	2.0% wet	2.5% wet	2.0% wet	2.5% wet	-

Density Ratio (R_{HD})	**%**	**97.0**	**98.5**	**96.0**	**96.5**	**96.5**	**-**

Material description

No 1 - 5 Clay Fill

NATA Accredited Laboratory No 9909
Accredited for compliance with
ISO/IEC 17025 - Testing

Approved Signatory : Justin Fry