

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

20th April 2022

Our Reference: 21405:NB1193

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING SMITHS LANE – STAGE 16 (CLYDE NORTH)

Please find attached our Report No's 21405/R001 to 21405/R008 which relate to the field density testing that was conducted within the filled allotments at the above subdivision. The level 1 inspections and associated field density testing commenced in June 2021 and was completed in October 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





VINSLOW CONSTRUC MITHS LANE - STAGE					Jo Re De	b NO eport No ate Issued	21405 21405/R001 13/07/2021
MITHS LANE - STAGE	TORS			(ח ו:	 Te	sted hv	BS
	16				De	ote tested	28/06/21
LYDE NORTH	10				Ch	ecked by	JHF
							••••
ARTHWORKS		Lay	er thickness	200	mm	Time:	13:33
AS 1289.2.1.1 & 5.8.	1						
		1	2	3	4	5	6
		REFER	REFER	REFER	REFER	REFER	REFER
		то	то	то	то	то	то
		FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1
oth helow FSI							
onth	mm	175	175	175	175	175	175
, pui	t/m3	1 97	1 98	1.96	1.98	1.95	1.95
ontent	%	19.4	19.7	19.8	20.2	19.7	19.6
AS 1289.5.7.1							
		1	2	3	4	5	6
rt talaan kanalaan		10.0	10.0	Stan	dard	10.0	40.0
tained on sieve	mm	19.0	19.0	19.0	19.0	19.0	19.0
Ize material	Wet	0	0	0	0	0	0
Wet Density	1/m3	2.07	2.05	2.04	2.06	2.06	2.06
ro Content	<i>V</i> ///°	-	-	-	-	-	-
re Comeni	70	17.5	17.5	17.5	17.5	I7.5	17.0
Variation From		2.00/	2.09/	2.59/	2.50/	2.50/	2.59/
Vanalion Flom		2.0%	2.0%	2.5%	2.5%	2.5%	2.5%
		wei	wei	wei	wei	wei	wei
	%	95.5	96.5	96.0	96.0	95.0	95.0
	ARTHWORKS AS 1289.2.1.1 & 5.8. AS 1289.2.1.1 & 5.8. oth below FSL pth pontent AS 1289.5.7.1 rt tained on sieve ize material Wet Density converted Wet Density re Content Variation From Moisture Content	ARTHWORKS AS 1289.2.1.1 & 5.8.1 AS 1289.2.1.1 & 5.8.1 oth below FSL pth mm t/m ³ ontent % AS 1289.5.7.1 rt tained on sieve mm ize material wet Wet Density t/m ³ converted Wet Density t/m ³ re Content %	ARTHWORKS Lay AS 1289.2.1.1 & 5.8.1 AS 1289.2.1.1 & 5.8.1 AREFER TO FIGURE 1 Path below FSL Path below FSL Path mm 175 To ntent 175 To ntent % 19.4 AS 1289.5.7.1 AS 1289.5.7.1 1 t tained on sieve mm 19.0 ize material wet 0 Wet Density t/m ³ 2.07 ionverted Wet Density t/m ³ - re Content % 17.5	ARTHWORKS ARTHWORKS Layer thickness AS 1289.2.1.1 & 5.8.1 1 2 REFER TO FIGURE 1 REFER TO FIGURE 1 REFER TO FIGURE 1 pth below FSL - oth below FSL - pth mm 175 175 oth below FSL - pth mm 19.4 19.7 AS 1289.5.7.1 1 AS 1289.5.7.1 1 AS 1289.5.7.1 - rt - tained on sieve mm 19.0 19.0 ize material wet wet 0 Wet Density t/m³ - - re Content % Variation From Moisture Content 2.0%	ARTHWORKS Layer thickness 200 AS 1289.2.1.1 & 5.8.1 1 2 3 AS 1289.2.1.1 & 5.8.1 REFER TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO <b< td=""><td>ARTHWORKS Layer thickness 200 mm AS 1289.2.1.1 & 5.8.1 1 2 3 4 REFER TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO REFER TO TO REFER TO TO REFER TO TO REFER TO TO REFER TO REFER TO REFER TO REFER TO REFER TO REFER TO</br></br></br></br></br></br></br></br></br></br></br></br></br></td><td>ARTHWORKS Layer thickness 200 mm Time: AS 1289.2.1.1 & 5.8.1 1 2 3 4 5 AS 1289.2.1.1 & 5.8.1 REFER TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO<</td></b<>	ARTHWORKS Layer thickness 200 mm AS 1289.2.1.1 & 5.8.1 1 2 3 4 REFER TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO REFER TO 	ARTHWORKS Layer thickness 200 mm Time: AS 1289.2.1.1 & 5.8.1 1 2 3 4 5 AS 1289.2.1.1 & 5.8.1 REFER TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO TO FIGURE 1 REFER TO<

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

Approved Signatory : Justin Fry



S - 8 Rose Avenue	HNICAL SERVICES					Jo Re De	b No eport No ate Issued	21405 21405/R002 21/09/2021
Client	WINSLOW CONSTRUCT	TOPS				Tc	stod by	SB
Broject		16					sieu by	31/08/21
Location		10				Cł	ne lesieu	.IHF
Location						01	looked by	
Feature	EARTHWORKS		Lay	er thickness	200	mm	Time:	12:00
Test procedu	ıre AS 1289.2.1.1 & 5.8.	1						
Test No			7	8	9	10	11	12
Location								
			REFER	REFER	REFER	REFER	REFER	REFER
			то	ТО	ТО	TO	то	ТО
			FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1	FIGURE 1
Approximate (depth below FSL							
Measurement	t depth	mm	175	175	175	175	175	175
Field wet dens	sity	t∕m³	2.03	2.03	2.05	2.05	2.08	2.09
Field moisture	e content	%	15.9	17.8	14.5	16.8	18.0	16.3
Test procedu	ure AS 1289.5.7.1		7	0	0	40	44	10
Test No	flort		1	8	9 Stor	10	11	12
Compactive e	rotained on aiova	mm	10.0	10.0	5tan		10.0	10.0
Diversize fock	relained on sieve	wot	19.0	19.0	19.0	19.0	19.0	19.0
Peak Convert	ersize material	t/m3	2.04	2.07	2.08	2 10	2.06	2 13
Adjusted Peal	k Converted Wet Density	t/m ³	-	-	-	-	-	-
Optimum Mois	sture Content	%	14.0	16.0	13.5	16.5	15.5	15.5
Optimum Mok		70	14.0	10.0	10.0	10.0	10.0	10.0
Moist	ure Variation From		2.0%	2.0%	1.0%	0.0%	2.5%	1.0%
Ontimi	um Moisture Content		wet	wet	wet	01070	wet	wet
Optime			00 5	08.0	98 5	98.0	100.5	98.0
Moist	ure Variation From um Moisture Content		2.0% wet	2.0% wet	1.0% wet	0.0%	2.5% wet	-

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CIVIL GEOTECHNICAL SERVICES 6 - 8 Rose Avenue, Croydon 3136						Job No Report No Date Issued	21405 21405/R003 04/04/2022
ClientWINSLOW CONSTRUCTOProjectSMITHS LANE - STAGE 16LocationCLYDE NORTH	DRS 6	PTY LTD (CA	AMPBELLFIE	ELD)		Tested by Date tested Checked by	SB 01/09/21 JHF
Feature EARTHWORKS		Lay	er thickness	200	mm	Time:	12:00
Test procedure AS 1289 2 1 1 & 5 8 1							
Test No		13	14	15	_	-	- 1
Location		10	17	10			
LUCATION		REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
Approximate depth below ESI							
Measurement depth	mm	175	175	175	_	-	-
Field wet density	t/m³	2.14	2.13	2.01	-	-	-
Field moisture content	%	16.2	17.3	15.6	-	-	-
Test procedure AS 1289.5.7.1		40		45	1		· · · · · · · · ·
Test No		13	14	15	-	-	-
Compactive effort	<u>mm</u>	10.0	10.0	Star	laara		
Dercont of eversize material	wot	19.0	19.0	19.0	-	-	
Percent of Oversize Indendi Reak Converted Wet Density	wei t/m3	2.18	2 15	2.02	-		-
Adjusted Peak Converted Wet Density	t/m3	2.10	2.10	2.02	_		
Optimum Moisture Content	%	18.0	18.0	17.5	_	-	-
	70	1010	1010	1110			11
Moisture Variation From		2.0%	0.5%	2.0%	-	-	-
		dry	dry	ary	<u> </u>		I]
density and moisture ratio results re	late o	only to the so	il to the dept	h of test and	not to the	full depth of the	e layer
Density Ratio(R _{HD})	%	98.0	99.0	99.5	-	-	-
<i>Material description</i> No 13 - 15 Clay Fill							
						AVRL	OT HILF V1.10 MAR 13



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CIVIL GEOTECHNICAL SERVICES 6 - 8 Rose Avenue, Croydon 3136				Ja R D	ob No eport No ate Issued	21405 21405/R004 04/04/2022
ClientWINSLOW CONSTRUCTORSProjectSMITHS LANE - STAGE 16LocationCLYDE NORTH	PTY LTD (C/	AMPBELLFIE	ELD)	Ti D C	ested by ate tested hecked by	SB 02/09/21 JHF
Feature EARTHWORKS	Lay	er thickness	200	mm	Time:	11:00
Test procedure AS 1289.2.1.1 & 5.8.1						
Test No	16	17	18	-	-	-
Location	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
Approximate depth below FSI						
Measurement depth mm	175	175	175	-	-	-
Field wet density t/m ³	2.02	2.09	2.08	-	-	-
Field moisture content %	18.1	19.3	19.3	-	-	-
Test procedure AS 1289.5.7.1						
Test No	16	17	18	-	-	-
	10.0	40.0	Star	Idard	1	
Oversize rock retained on sieve mm	19.0	19.0	19.0	-	-	-
Percent of oversize material wet	2 10	0	0	-	-	-
Adjusted Peak Converted Wet Density t/m ³	2.10	2.13	2.12	-	-	-
Optimum Moisture Content %	19.5	20.0	22.0	_	-	
	10.0	20.0	22.0			1
Moisture Variation From	1.5%	0.5%	2.5%	-	-	-
Optimum Moisture Content	dry	dry	dry			
density and moisture ratio results relate	only to the so	il to the deptl	n of test and	not to the fu	Ill depth of the	e layer
Density Ratio (R _{HD}) %	96.0	98.0	98.0	-	-	-
Material description No 16 - 18 Clay Fill						
					AVRI	OT HILE V1.10 MAR 13



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			Ji R D	ob No Peport No Pate Issued	21405 21405/R005 04/04/2022
TY LTD (CA	MPBELLFIE	LD)	T D C	ested by ate tested hecked by	SB 08/09/21 JHF
Lay	er thickness	200	mm	Time	: 11:30
19	20	21	-	-	-
REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
					+
175	175	175	_		
2.06	2.02	2 13	-	-	-
19.8	21.02	20.6			
19	20	21 Stan	- dard	-	<u> </u>
19.0	19.0	19.0	-	-	-
0	0	0	-	_	-
2.10	2.08	2.15	-	-	-
-	-	-	-	-	-
21.5	22.5	21.5	-	-	-
				•	<u>.</u>
1.5% dry	1.0% dry	1.0% dry	-	-	-
nly to the so	il to the depth	n of test and	not to the fu	Ill depth of th	e layer
98.0	97.0	99.0	-	-	-
	Lay 19 REFER TO FIGURE 1 175 2.06 19.8 19 19 19 19 19 19.0 0 2.10 - 21.5 1.5% dry nly to the so	Layer thickness 19 20 REFER REFER TO FIGURE 1 FIGURE 1 FIGURE 1 175 175 2.06 2.02 19.8 21.3 19 20 19.0 19.0 2.10 2.08 - - 21.5 22.5 1.5% 1.0% dry dry nly to the soil to the depth	Layer thickness 200 19 20 21 REFER TO FIGURE 1 REFER TO FIGURE 1 REFER TO FIGURE 1 REFER TO FIGURE 1 175 175 175 175 175 175 2.06 2.02 2.13 19.8 21.3 20.6 19 20 21 Stan 19.0 19.0 0 0 0 2.10 2.08 2.15 - - - 21.5 22.5 21.5 1.5% 1.0% 1.0% dry dry dry	Layer thickness 200 mm Layer thickness 200 mm Image: Layer thickness 200 mm Layer thickness 200 mm REFER REFER REFER TO FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 175 175 175 2.06 2.02 2.13 19.8 21.3 20.6 19.0 19.0 - 19.0 19.0 - 2.10 2.08 2.15 2.15 22.5 21.5 1.5% 1.0% 1.0% - 1.5% 1.0% 1.0% -	Date tested Checked by Layer thickness 200 mm Time. 19 20 21 - - REFER TO FIGURE 1 REFER TO FIGURE 1 REFER TO FIGURE 1 REFER TO FIGURE 1 - - 175 175 175 - - - 175 175 175 - - - 19 20 21 - - - 19 20 21 - - - 19.0 19.0 19.0 - - - 2.10 2.08 2.15 - - - 21.5 22.5 21.5 - - -



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CIVIL GEOTECHNICAL SERVICES 6 - 8 Rose Avenue, Croydon 3136							ob No Report No Date Issued	21405 21405/R006 04/04/2022	
Client Project Location	WINSLOW CONSTRUCT SMITHS LANE - STAGE CLYDE NORTH	FORS I 16	PTY LTD (CA	\MPBELLFIE	ELD)	7 [[[ested by Date tested Dhecked by	SB 09/09/21 JHF	
Feature	EARTHWORKS		Lay	er thickness	200	mm	Time:	11:00	
Test procedur	re AS 1289.2.1.1 & 5.8.	1		00	04			, 	
Test No			22	23	24	-	-		
Location			REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1				
Approximate de	epth below FSL		475	475	475				
Measurement of	lepth	mm	175	175	175	-			
Field wet densi	ty	t/m³	2.10	2.11	2.12	-			
Test procedur Test No	re AS 1289.5.7.1		22	23	24	-	<u> </u>	<u> </u>	
Compactive en	ort	mm	10.0	10.0	3lai 10.0				
Dercent of over	eldineu un sieve reize meterial	11111 W@f	19.0	19.0	19.0 N	-		$\frac{1}{1}$	
Peak Converte	d Wet Density	t/m ³	2 12	2 15	219	_	-		
Adiusted Peak	Converted Wet Density	t/m³	-	-	-	-	-	<u>+</u> (
Optimum Moist	ture Content	%	20.0	21.0	19.5	-	-	-	
						r		 1	
1//0/04//	re Variation From		2.0% dry	0.5% dry	0.0%	-	-	-	
Optimur	m Moisture Content								
<i>Optimul</i> density a	m Moisture Content	relate c	only to the so	il to the dept	h of test and	not to the fu	ill depth of the	e layer	

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CIVIL GEOTECHNICAL SERVICES					ŀ	lob No Report No Date Issued	21405 21405/R007 27/11/2021
Client WINSLOW CONSTRU	CTORS			(חו:	-	Tested by	SB
Project SMITHS LANE - STAG	E 16				1	Date tested	20/10/21
Location CLYDE NORTH					(Checked by	JHF
							0.11
Feature EARTHWORKS		Lay	er thickness	200	mm	Time	: 12:30
Test procedure AS 1289.2.1.1 & 5.8	3.1						
Test No		25	26	27	28	-	- 1
Location							1 1
		REFER	REFER	REFER	REFER		
		то	то	то	то		
		FIGURE 1	FIGURE 1	FIGURE 1	FIGURE	1	
Approximate depth below FSL							
Measurement depth	mm	175	175	175	175	-	-
Field wet density	t∕m³	1.97	1.97	1.97	2.06	-	-
Field moisture content	%	14.9	15.9	15.1	15.5	-	-
Test procedure AS 1289.5.7.1		05		07			
Test No		25	26	27	28	-	-
		10.0	10.0	Stan			1
Oversize rock retained on sieve	mm	19.0	19.0	19.0	19.0	-	-
Percent of oversize material	t/m3	0	1.00	2.06	2.09	-	
Adjusted Reak Converted Wet Density	t/m3	2.04	1.99	2.00	2.00	-	
Ontimum Moisture Content	<u>viii</u> %	15.5	16.5	17.0	17.0		
Optimum Moisture Content	70	10.0	10.5	17.0	17.0		
Moisture Variation From		0.5%	0.5%	1.5%	1.5%	-	-
Optimum Moisture Content		dry	dry	dry	dry		
density and moisture ratio result	s relate o	only to the so	il to the dept	n of test and	not to the f	ull depth of th	e layer
Density Ratio (R _{HD})	%	96.5	99.5	95.5	99.0	-	- 1
Optimum Moisture Content density and moisture ratio result Density Ratio (R _{HD}) Material description No 25 - 28 Clay Fill	s relate o	dry only to the so 96.5	dry il to the depti 99.5	dry n of test and 95.5	dry not to the f 99.0	ull depth of th	e layer -



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			Jo Ri Da	bb No eport No ate Issued	21405 21405/R008 27/11/2021
PTY LTD (CA	AMPBELLFIE	ELD)	Te Da Ci	ested by ate tested hecked by	SB 21/10/21 JHF
Lay	er thickness	200	mm	Time	: 10:30
29	30	31	-	-	-
REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
175	175	175	_		<u> </u>
2.06	2.05	2 07	_		
17.5	15.6	15.6	-	-	<u> </u>
29	30	31 Star	-	-	<u> </u>
19.0	19.0	19.0	-	-	- 1
0	0	0	-	-	- 1
2.09	2.05	2.10	-	-	-
-	-	-	-	-	-
18.5	17.0	17.0	-	-	-
1.0% dry	1.5% dry	1.0% dry	-	-	-
only to the so	il to the depth	n of test and	not to the fu	ll depth of th	e layer
00.0	00 5	08 5		_	
	PTY LTD (CA Lay 29 REFER TO FIGURE 1 175 2.06 17.5 2.06 17.5 2.06 17.5 2.06 17.5 1.0% 0 2.09 - 18.5	29 30 REFER REFER TO FIGURE 1 FIGURE 1 FIGURE 1 175 175 2.06 2.05 17.5 15.6 29 30 18.5 17.0 1.0% 1.5% dry dry 0.0% 1.5% 1.0% 1.5% 0.0% 1.5% 0.0% 1.5% 0.0% 1.5% 0.0% 1.5% 0.0% 1.5% 0.0% 1.5% 0.0% 1.5%	PTY LTD (CAMPBELLFIELD) Layer thickness 200 Layer thickness 200 Layer thickness 200 Layer thickness 200 REFER REFER REFER TO TO TO FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 Star 175 175 175 2.07 175 175 15.6 15.6 29 30 31 Star 19.0 19.0 19.0 0 0 0 0 0 1.0% 1.5% 1.0% 1.0% 1.0% 1.5% 1.0% dry 0 0 10 10% 1.5%	PTY LTD (CAMPBELLFIELD) Term Diamon Diamon Layer thickness 200 mm Layer thickness 200 mm Layer thickness 200 mm Layer thickness 200 mm REFER REFER REFER TO TO TO FIGURE 1 FIGURE 1 FIGURE 1 175 175 175 2.06 2.05 2.07 20 30 31 - 29 30 31 - 29 30 31 - 20 30 31 - 20 30 31 - 29 30 31 - 20 30 31 - 20 30 31 - 20 30 31 - 10.0 19.0 - - 10.0 1.5% 1.0% - 1.0% 1.5% 1.0% - 1.0% 1.5% 1.0% -	PTY LTD (CAMPBELLFIELD) Tested by Date tested Checked by Layer thickness 200 mm Time. Layer thickness 200 mm Time. REFER REFER REFER To TO TO FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 - 200 30 31 - - REFER REFER TO TO FIGURE 1 FIGURE 1 FIGURE 1 FIGURE 1 - - 175 175 175 - - 206 2.05 2.07 - - 29 30 31 - - 29 30 31 - - 209 2.05 2.10 - - 2.09 2.05 2.10 - - 1.0% 1.5% 1.0% - - 1.0% 1.5% 1.0% - - 1.0% 1.5% 1.0% - - 0 1.0% 1.5% 1



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CIVIL GEOTECHNICAL SERVICES 6 - 8 Rose Avenue, Croydon 3136				Ja Ri Di	ob No eport No ate Issued	21405 21405/R009 20/04/2022
ClientWINSLOW CONSTRUCTORProjectSMITHS LANE - STAGE 16LocationCLYDE NORTH	RS PTY LTD (C	CAMPBELLFIE	ELD)	Te Di Ci	ested by ate tested hecked by	SB 06/04/22 JHF
Feature EARTHWORKS	La	yer thickness	200	mm	Time:	11:00
Test procedure AS 1289.2.1.1 & 5.8.1						
Test No	32	33	34	35	36	37
Location	REFER TO FIGURE 1	REFER TO FIGURE 1				
Approximate depth below FSL	475	475	475	475	475	475
Measurement depth m	$\frac{175}{2}$	175	1/5	1/5	175	1/5
Field wet density t/l	$\frac{m^3}{2.12}$	2.12	2.13	2.00	1.98	1.99
Test procedure AS 1289.5.7.1 Test No	32	33	34	35	36	37
Compactive effort			Star	ndard		
Oversize rock retained on sieve m	<u>19.0</u>	19.0	19.0	19.0	19.0	19.0
Percent of oversize material w		0	0	0	0	0
Peak Converted Wet Density t/l	$\frac{m^3}{2.16}$	2.18	2.12	2.00	2.01	2.00
Adjusted Peak Converted Wet Density th	$\frac{m^3}{170}$	-	-	-	-	-
Optimum Moisture Content	% 17.0	18.0	19.0	17.0	17.5	19.0
Moisture Variation From	1.5%	2.0%	2.0%	2.0%	2.0%	2.0%
Optimum Moisture Content	dry	dry	dry	dry	dry	dry
density and moisture ratio results rela	te only to the s	oil to the dept	h of test and	not to the fu	Il depth of the	e layer
Density Ratio (R_{HD})	% 98.5	97.5	100.5	99.5	98.5	99.5
Density Ratio (R HD) 9 Material description 9 No 32 - 37 Clay Fill 9	% 98.5	97.5	100.5	99.5	98.5	99.5
					AVRL	OT HILF V1.10 MAR

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

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CIVIL GEOTECHNICAL SERVICES 6 - 8 Rose Avenue, Croydon 3136					J F L	lob No Report No Date Issued	21405 21405/R010 20/04/2022
ClientWINSLOW CONSTRUCTOProjectSMITHS LANE - STAGE 16LocationCLYDE NORTH	DRS I 6	PTY LTD (CA	AMPBELLFIE	ELD)	T L C	ested by Date tested Dhecked by	SB 07/04/22 JHF
Feature EARTHWORKS		Lay	er thickness	200	mm	Time:	10:30
Test procedure AS 1289.2.1.1 & 5.8.1							
Test No		38	39	40	41	42	43
Location		REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE	REFER TO I FIGURE 1	REFER TO FIGURE 1
Approximate depth below FSL		475	475	475	475	475	475
Measurement depth	mm	1/5	1/5	1/5	175	1/5	175
Field wet density	0/111°	1.97	1.98	1.97	1.98	1.97	1.98
Test procedure AS 1289.5.7.1 Test No		38	39	40	41	42	43
Compactive effort				Stan	dard		
Oversize rock retained on sieve	тт	19.0	19.0	19.0	19.0	19.0	19.0
Percent of oversize material	wet	0	0	0	0	0	0
Peak Converted Wet Density	t/m³	2.00	2.02	1.99	2.01	2.01	2.00
Adjusted Peak Converted Wet Density	t/m^3	-	-	-	-	-	-
Optimum Moisture Content	%	17.5	19.0	19.5	19.5	19.0	19.0
		0.00/	0.00/	4 50/	0.00/	0.00/	
Moisture Variation From		2.0%	2.0%	1.5%	2.0%	2.0%	2.5%
density and moisture Content	lato d	Ory	ary il to the depth	Ory of test and	ary not to the f	Ory Ill depth of the	
			07 5				
Density Ratio (R _{HD})	%	98.0	97.5	99.0	98.5	98.0	99.0
Material description No 38 - 43 Clay Fill							
						AVRL	OT HILF V1.10 MAR 13



Approved Signatory : Justin Fry



B Rose Avenue, Croydon 3136	TODO			<u>, D</u>		Date Issued	12/04/202
Client WINSLOW CONSTRUCT	IOKS r	JIY LID (UP	1MPBELLFIEL	_D)		Testea by	SB
Project SMITHS LANE - STAGE	16					Date testeu	08/04/22
						Спескей Бу	JHF
Feature EARTHWORKS		Lay	er thickness	200	mm	Time	2 09:00
Test procedure AS 1289.2.1.1 & 5.8.	1						
Test No	<u> </u>	44	45		-	<u> </u>	
Location							
	ļ	REFER	REFER	ļ	ĺ		
	1	то	ТО	ļ	İ		
	1	FIGURE 1	FIGURE 1	ļ	İ		
	1	1 !	1	ļ	İ		
	1	1 !	1	ļ	ĺ		
American danth halaw ESI]		⊦				<u> </u>
Approximate depth below I SL	mm	175	175		<u> </u>	<u> </u>	+
Field wet densitv	t/m³	1.96	1.96		-	-	-
Field moisture content	%	18.9	18.6	-	-	-	-
			-			•	
Test procedure AS 1289.5.7.1			·				
Test No	!	44	45		<u> </u>		-
Compactive effort	!	12.0		Stan	dard	<u> </u>	
Oversize rock retained on sieve	mm	19.0	19.0		-		
Percent of oversize material	Wet	0	0		-		
Peak Converted Wet Density	t/m²	1.99	2.01		-		-
Adjusted Peak Converted wet Density		-	-		-		-
Jptimum Moisture Content	%	19.0	19.0		-		
Maiatura Variation From		0.0%	0.5%	<u> </u>	r <u> </u>	<u> </u>	
Ontimum Moisture Content	1	0.070	0.570 drv	-	=	_	-
density and moisture ratio results	relate (unly to the so	il to the depth	of test and	not to the	full depth of th	 ne laver
	%	98.5	97.5				
	/ .				4		



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