



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

15<sup>th</sup> January 2024

Our Reference: 23227:NB1770

Montdami Pty Ltd  
2b Kirkham Road  
DANDENONG SOUTH VIC 3175

Dear Sirs / Madams,

**RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING**  
**MARRAN RUN – STAGE 1 (THOMASTOWN)**

Please find attached our Report No's 23227/R001 and 23227/R002 which relate to the field density testing that was conducted within the filled allotments of the above subdivision. The level 1 inspections and associated field density testing was performed in October 2023.

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 Montdami 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 Montdami 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).

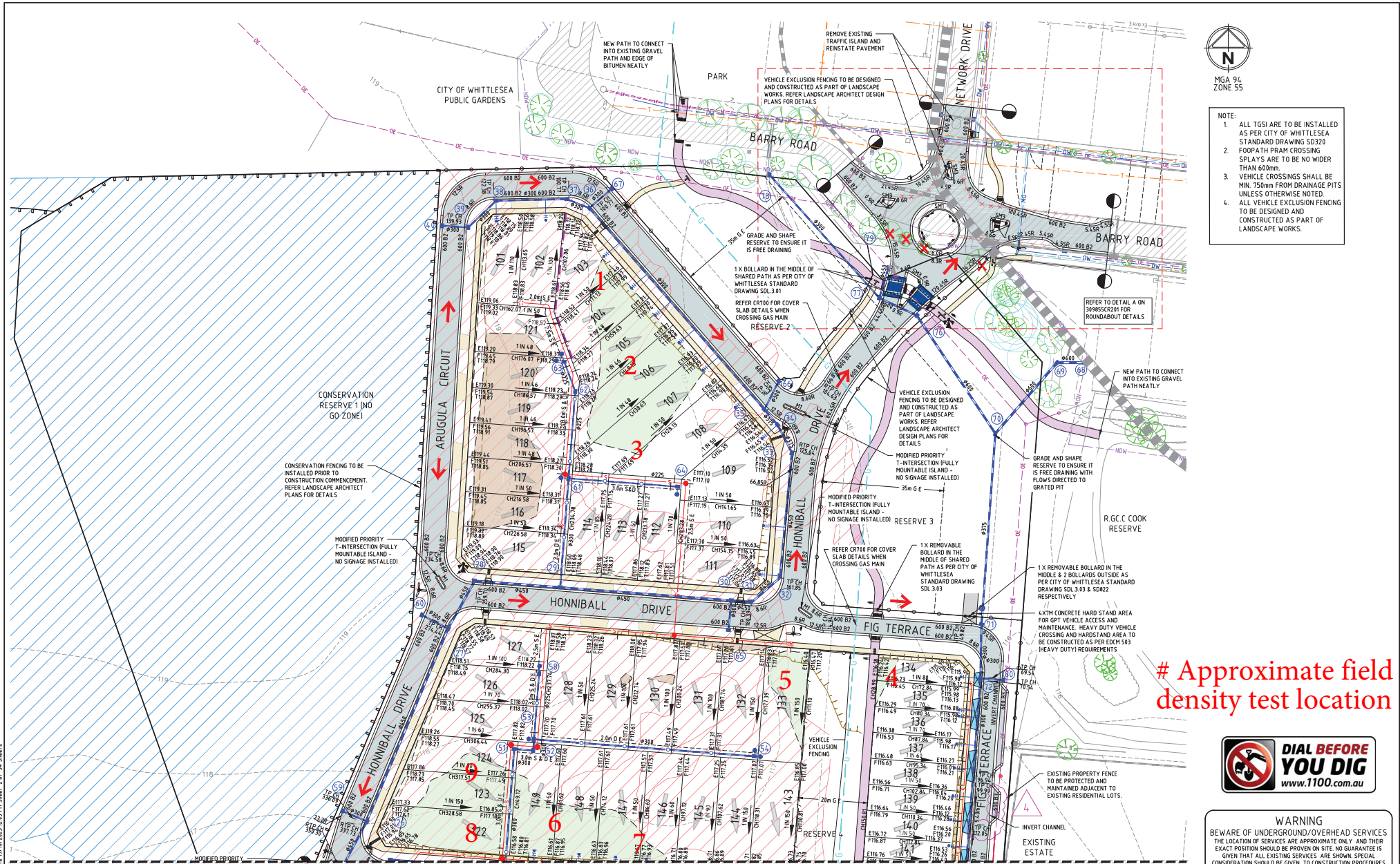
Please contact the undersigned if you require any additional information.

Civil Geotechnical Services

A handwritten signature in blue ink, appearing to read 'Nick Brock', is written over a light blue circular stamp.

Nick Brock

# FIGURE 1 (1 of 2)



- NOTE:
1. ALL TGSi ARE TO BE INSTALLED AS PER CITY OF WHITTLESEA STANDARD DRAWING SD320
  2. FOOTPATH PRAM CROSSING SPLAYS ARE TO BE NO WIDER THAN 600mm.
  3. VEHICLE CROSSINGS SHALL BE MIN. 750mm FROM DRAINAGE PITS UNLESS OTHERWISE NOTED.
  4. ALL VEHICLE EXCLUSION FENCING TO BE DESIGNED AND CONSTRUCTED AS PART OF LANDSCAPE WORKS.

# Approximate field density test location



**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.

FOR CONTINUATION REFER TO 309855CR201

Rev	Amendments	Approved	Date
4	PARKING BAY SHORTENED TO 6.2M TO AVOID POLE STAY	P.C.	19/10/23
3	FOOTPATH ALIGNMENT & NOTE AMENDED	P.C.	14/08/23
2	FOOTPATH AMENDED	P.C.	14/08/23
1	PARKING BAY & LEVELS AMENDED	P.C.	26/04/23
0	ISSUED FOR CONSTRUCTION	P.C.	21/02/23
H	FOOTPATH AMENDED	P.C.	21/02/23
G	PATH MOVED TO 1.5M OFFSET	P.C.	22/12/22
F	SIGNAGE, NOTES, FOOTPATH, HOUSE DRAIN & DRAINAGE AMENDED	P.C.	26/10/22

Scale: 1:500  
SCALE @ A1

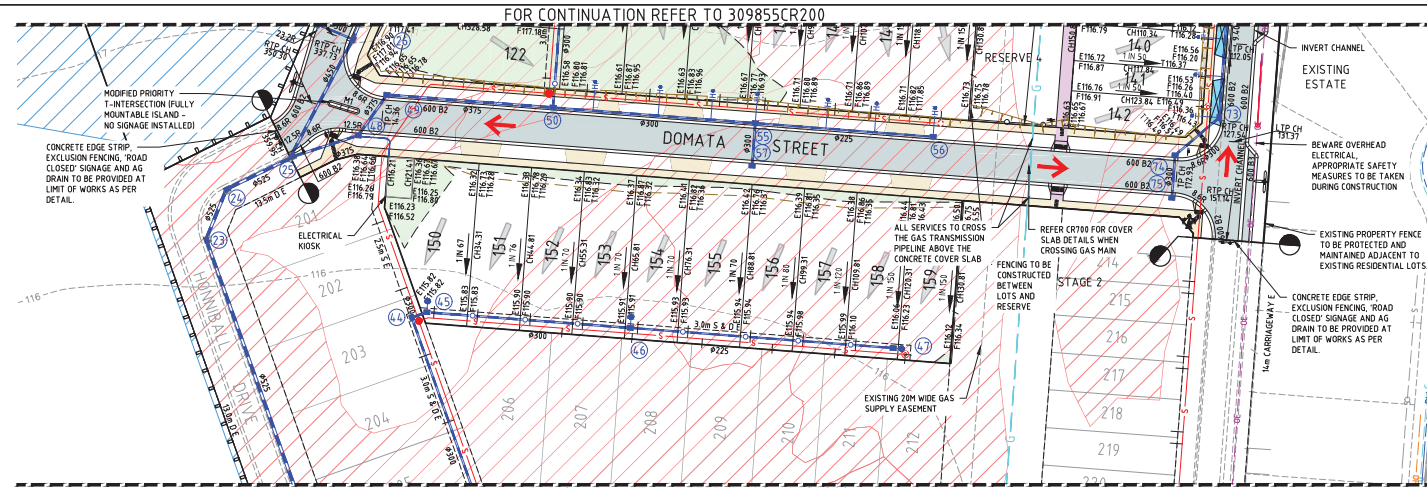
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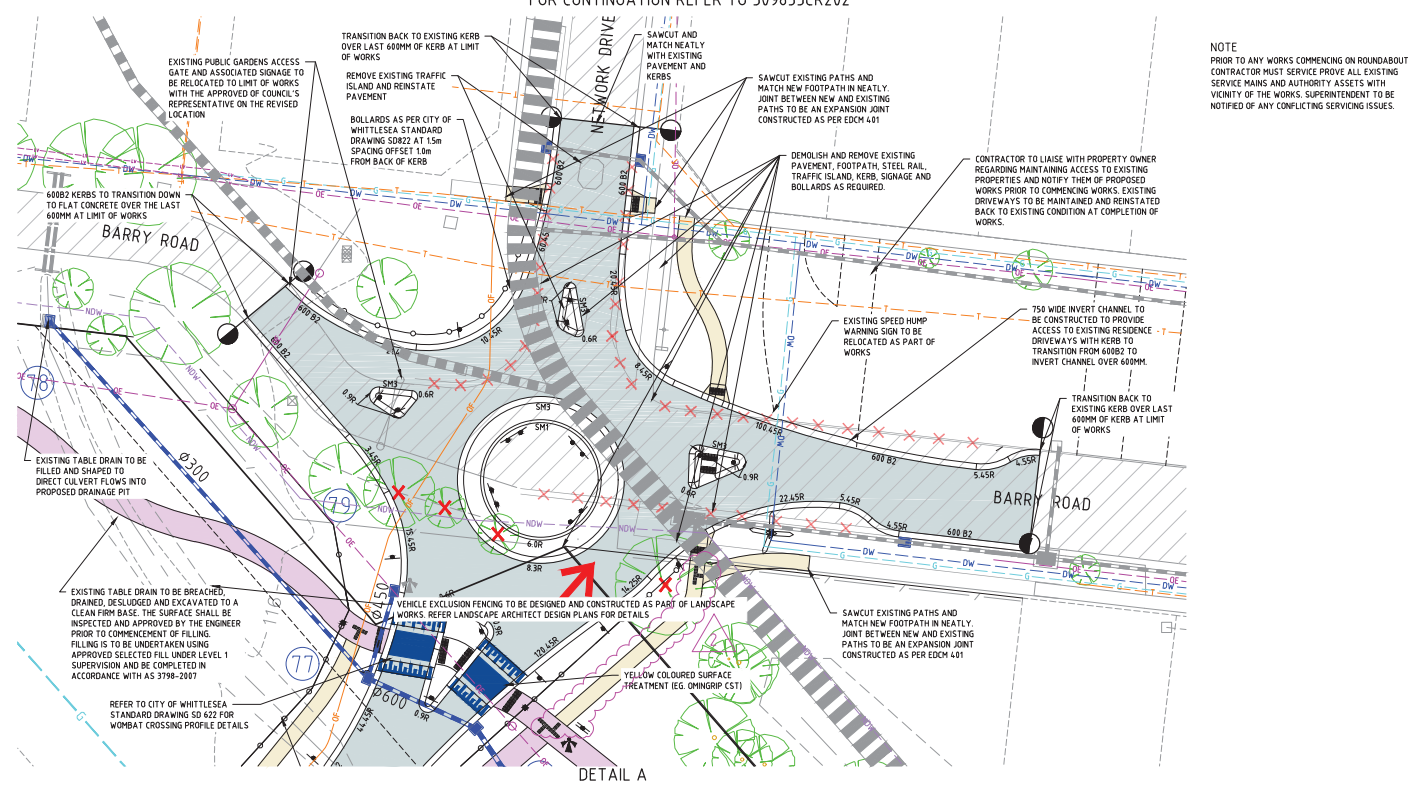
**YourLand** Developments  
Designed: H.KURMUS  
Checked: J.POYNER  
Authorised: P.CURNOW (PE0004069)  
Date: 08/07/22

**MARRAN RUN STAGE 1 ROAD AND DRAINAGE FACE PLAN - SHEET 1**  
CITY OF WHITTLESEA  
YOURLAND DEVELOPMENTS  
**CONSTRUCTION** 309855CR200 4

# FIGURE 1 (2 of 2)



- NOTE:
1. ALL TGS1 ARE TO BE INSTALLED AS PER CITY OF WHITTLESEA STANDARD DRAWING SD320
  2. FOOTPATH PRAM CROSSING SPLAYS ARE TO BE NO WIDER THAN 600mm.
  3. VEHICLE CROSSINGS SHALL BE MIN 750mm FROM DRAINAGE PITS UNLESS OTHERWISE NOTED.
  4. ALL VEHICLE EXCLUSION FENCING TO BE DESIGNED AND CONSTRUCTED AS PART OF LANDSCAPE WORKS.

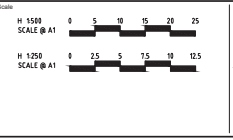


NOTE  
PRIOR TO ANY WORKS COMMENCING ON ROUNDABOUT CONTRACTOR MUST SERVICE PROVE ALL EXISTING SERVICES AND NOTIFY ALL ADJACENT PROPERTY OWNERS IN THE VICINITY OF THE WORKS. SUPERINTENDENT TO BE NOTIFIED OF ANY CONFLICTING SERVICES ISSUES.



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Rev	Amendments	Date	Approved
2	FOOTPATH ALIGNMENT & NOTE AMENDED	P.C 14/08/23	
1	PARKING BAY & DRAINAGE AMENDED	P.C 20/04/23	
0	ISSUED FOR CONSTRUCTION	P.C 21/02/23	
H	FOOTPATH AMENDED	P.C 21/02/23	
G	PATH MOVED TO 1.5M OFFSET	P.C 22/12/22	
F	SIGNAGE, NOTES, FOOTPATH, HOUSE DRAIN & DRAINAGE AMENDED	P.C 28/10/22	
E	DRIVEWAYS & HOUSE DRAIN CONNECTIONS AMENDED	P.C 08/10/22	
D	NOTES, ROUNDABOUT, PATH, DRAINAGE, EASEMENTS, FENCE & SERVICES AMENDED	P.C 28/09/22	



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**YourLand** Developments  
Designed H.KURMUS  
Checked J.PYNER  
Date 08/07/22  
Authorised P.CURNOW (PE0004069)

**MARRAN RUN**  
STAGE 1  
ROAD AND DRAINAGE  
FACE PLAN - SHEET 2  
CITY OF WHITTLESEA  
YOURLAND DEVELOPMENTS  
CONSTRUCTION 309855CR201 2



# COMPACTION ASSESSMENT

Job No 23227  
 Report No 23227/R001  
 Date Issued 19/10/23

## CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	MONTDAMI CONSTRUCTIONS PTY LTD (DANDENONG)	Tested by	AC
Project	MARRAN RUN	Date tested	09/10/23
Location	THOMASTOWN	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time:	09:33
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	1	2	3	4	5	6
Location	REFER TO FIGURE 1	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/m <sup>3</sup>	2.03	2.03	1.96	2.04	2.04
Field moisture content	%	18.5	20.4	17.6	24.4	17.0

Test procedure AS 1289.5.7.1

Test No	1	2	3	4	5	6
Compactive effort	Standard					
Override 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/m <sup>3</sup>	2.06	2.08	1.98	2.09	2.11
Adjusted Peak Converted Wet Density	t/m <sup>3</sup>	-	-	-	-	-
Optimum Moisture Content	%	18.5	19.5	18.0	24.0	17.0

Moisture Variation From Optimum Moisture Content	0.0%	0.5% wet	0.5% dry	0.0%	0.0%	0.0%
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio ( R <sub>HD</sub> )	%	98.0	98.0	99.0	97.5	96.5	97.5
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Material description

No 1 - 6 Clay Fill
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AVRLOT HILF V1.10 MAR 13



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

Approved Signatory : Justin Fry



# COMPACTION ASSESSMENT

Job No 23227  
 Report No 23227/R002  
 Date Issued 19/10/23

## CIVIL GEOTECHNICAL SERVICES

6 - 8 Rose Avenue, Croydon 3136

Client	MONTDAMI CONSTRUCTIONS PTY LTD (DANDENONG)	Tested by	AC
Project	MARRAN RUN	Date tested	09/10/23
Location	THOMASTOWN	Checked by	JHF

Feature	EARTHWORKS	Layer thickness	200 mm	Time: 10:35
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Test procedure AS 1289.2.1.1 & 5.8.1

Test No	7	8	9	-	-	-
Location	REFER TO FIGURE 1	REFER TO FIGURE 1	REFER TO FIGURE 1			
Approximate depth below FSL						
Measurement depth	mm	175	175	175	-	-
Field wet density	t/m <sup>3</sup>	2.12	2.16	2.11	-	-
Field moisture content	%	19.6	16.8	18.7	-	-

Test procedure AS 1289.5.7.1

Test No	7	8	9	-	-	-
Compactive effort	Standard					
Oversize rock retained on sieve	mm	19.0	19.0	19.0	-	-
Percent of oversize material	wet	0	0	0	-	-
Peak Converted Wet Density	t/m <sup>3</sup>	2.19	2.21	2.15	-	-
Adjusted Peak Converted Wet Density	t/m <sup>3</sup>	-	-	-	-	-
Optimum Moisture Content	%	20.0	16.5	19.0	-	-

Moisture Variation From Optimum Moisture Content	0.5% dry	0.5% wet	0.5% dry	-	-	-
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density and moisture ratio results relate only to the soil to the depth of test and not to the full depth of the layer

Density Ratio ( R <sub>HD</sub> )	%	97.0	98.0	98.5	-	-
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Material description

No 7 - 9 Clay Fill
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AVRLOT HILF V1.10 MAR 13



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Approved Signatory : Justin Fry