

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

7th November 2022

Our Reference: 22331:NB1395

Winslow Constructors Pty Ltd 50 Barry Road CAMPBELLFIELD VIC 3061

Dear Sirs/Madams,

RE: LEVEL 1 EARTHWORKS INSPECTION AND TESTING REDSTONE – STAGE 7 (SUNBURY)

Please find attached our Report No 22331/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 testing was performed in October 2022.

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 (1 of 2)

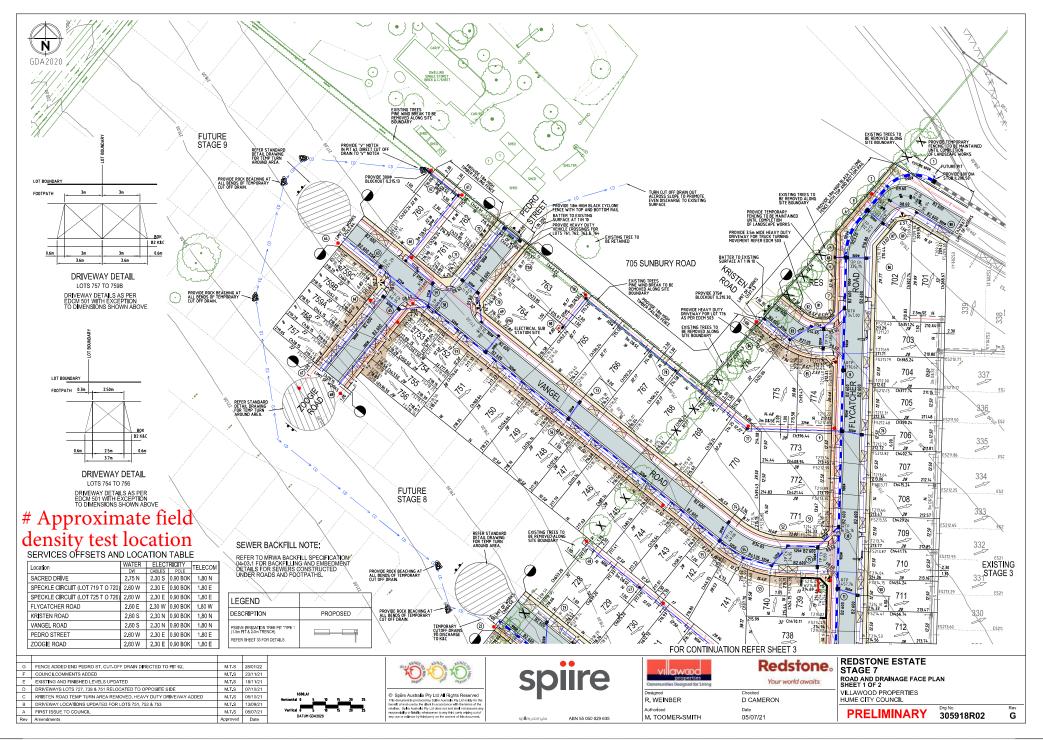
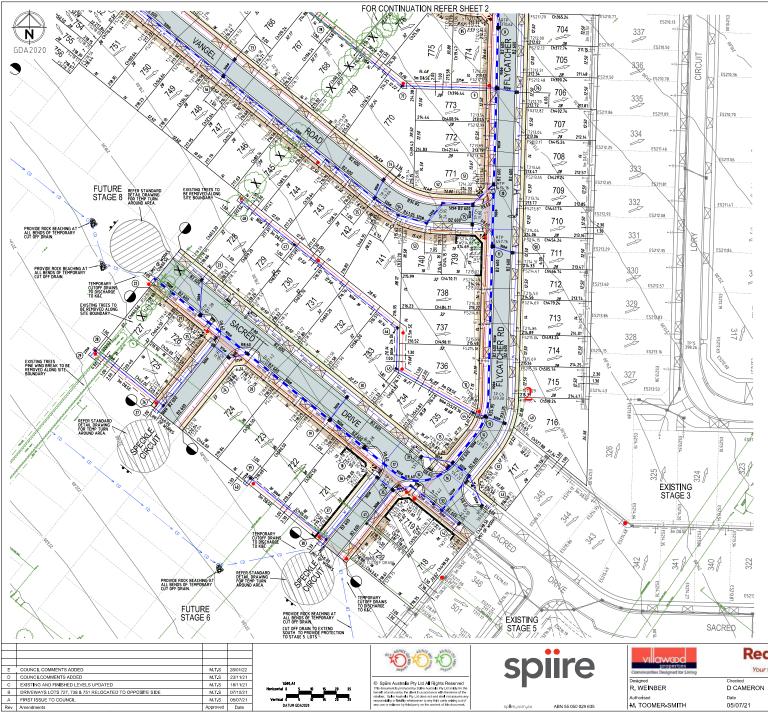


FIGURE 1 (2 of 2)



Approximate field density test location

LEGEND	
DESCRIPTION	PROPOSED
PSSIVE IRRIGATION TREE PIT TYPE 1 (1.5m PIT & 2.0m TRENCH) REFER SHEET 33 FOR DETAILS	

SEWER BACKFILL NOTE:

REFER TO MRWA BACKFILL SPECIFICATION 04-03.1 FOR BACKFILLING AND EMBEDMENT DETAILS FOR SEWERS CONSTRUCTED UNDER ROADS AND FOOTPATHS.

SERVICES OFFSETS AND LOCATION TABLE

Location	WATER	ELECT	TELECOM					
Location	DW	CABLES	POLE	TELECOM				
SACRED DRIVE	2.75 N	2.30 S	0.90 BOK	1.80 N				
SPECKLE CIRCUIT (LOT 719 T O 720)	2.60 W	2.30 E	0.90 BOK	1.80 E				
SPECKLE CIRCUIT (LOT 725 T O 726)	2.60 W	2.30 E	0.90 BOK	1.80 E				
FLYCATCHER ROAD	2.60 E	2.30 W	0.90 BOK	1.80 W				
KRISTEN ROAD	2.60 S	2.30 N	0.90 BOK	1.80 N				
VANGEL ROAD	2.60 S	2.30 N	0.90 BOK	1.80 N				
PEDRO STREET	2.60 W	2.30 E	0.90 BOK	1.80 E				
ZOOGIE ROAD	2.60 W	2.30 E	0.90 BOK	1.80 E				

VII GW@C	Redstone 。	REDSTONE ESTATE STAGE 7	
Comminities Designed for Living	Your world awaits	ROAD AND DRAINAGE FACE PLAN SHEET 2 OF 2	
Designed R. WEINBER	Checked D CAMERON	VILLAWOOD PROPERTIES HUME CITY COUNCIL	
Authorised M. TOOMER-SMITH	Date 05/07/21	PRELIMINARY 305918R03	Rev



COMPACTION ASSESSMENT

CIVIL GEOTECHN	IICAL SERVICES	Job No Report No	22331 22331/R001
6 - 8 Rose Avenue, (Croydon 3136	Date Issued	07/11/2022
Client \	VINSLOW CONSTRUCTORS PTY LTD (CAMPBELLFIELD)	Tested by	AM
Project F	REDSTONE ESTATE - STAGE 7	Date tested	03/10/22
Location S	SUNBURY	Checked by	JHF

Feature

EARTHWORKS

Layer thickness 200 mm

Time: 12:14

Test procedure AS 1289.2.1.1 & 5.8.1

Test No		1	2	-	-	-	-
Location		REFER TO FIGURE 1	REFER TO FIGURE 1				
Approximate depth below FSL							
Measurement depth	mm	175	175	-	-	-	-
Field wet density	t∕m³	1.90	1.88	-	-	-	-
Field moisture content	%	26.4	25.4	-	-	-	-

Test procedure AS 1289.5.7.1

Test No		1	2	-	-	-	-
Compactive effort		Standard					
Oversize rock retained on sieve	тт	19.0	19.0	-	-	-	-
Percent of oversize material	wet	0	0	-	-	-	-
Peak Converted Wet Density	t∕m³	1.96	1.97	-	-	-	-
Adjusted Peak Converted Wet Density	t∕m³	-	-	-	-	-	-
Optimum Moisture Content	%	27.0	27.5	-	-	-	-

Moisture Variation From		0.5%	2.0%	-	-	-	-
Optimum Moisture Content		dry	dry				
density and moisture ratio res	sults relate o	only to the so	il to the dept	n of test and	not to the full	l depth of the	layer

Material description

No 1 - 2 Clay Fill



NATA Accredited Laboratory No 9909 Accredited for compliance with ISO/IEC 17025 - Testing AVRLOT HILF V1.10 MAR 13