

Ref: PG-3614-A, 2022-12-19, LTR (LOT 62) VER 1  
Author: Ben Elsmore

19<sup>th</sup> December, 2022

CCA Winslow  
Level 1, 85 Brandl Street  
Eight Mile Plains QLD 4113

**CERTIFICATION OF LOT FILLING – LOT 62  
THE ARBOUR DEVELOPMENT, COWELL DRIVE, BURLEIGH HEADS**

Pacific Geotech were commissioned by CCA Winslow (the Client) to undertake Level One earthworks inspection and testing in accordance with AS 3798-2007 “Guidelines on Earthworks for Commercial and Residential Development” for the proposed “The Arbour” residential development at Cowell Drive, Burleigh Heads.

Fill was placed on the above Lot as part of the bulk earthworks program which was undertaken between May, 2021 and December, 2022. This letter should be read in conjunction with the Level One report prepared for the site (Report Reference: PG-3614-A, 2022-11-06, LVR VER 1).

Based on the site inspection and results of field and laboratory testing, Pacific Geotech confirms that a minimum density ratio of 95% has been achieved in the structural fill which is compliant with the requirements of Table 5.1 of AS 3798-2007 and the project specification.

The fill areas are defined on the Peak Urban Project Drawing 20-0028-102-E “Bulk Earthworks Layout Plan Sheet 3 of 4”. A copy of this layout plan is attached to this report.

This letter specifically addresses the compaction of the fill material placed on the Lot only in accordance with AS 3798-2007 and specifically excludes any other geotechnical considerations associated with residential construction.

A Lot specific geotechnical investigation for the proposed future residence should be carried out by a suitably qualified geotechnical consultant prior to construction. Pacific Geotech can provide this service, if required.





Should you require clarification on any aspect of the above, please do not hesitate to contact our office.

Yours faithfully,

**B. ELSMORE (RPEQ 19656)**

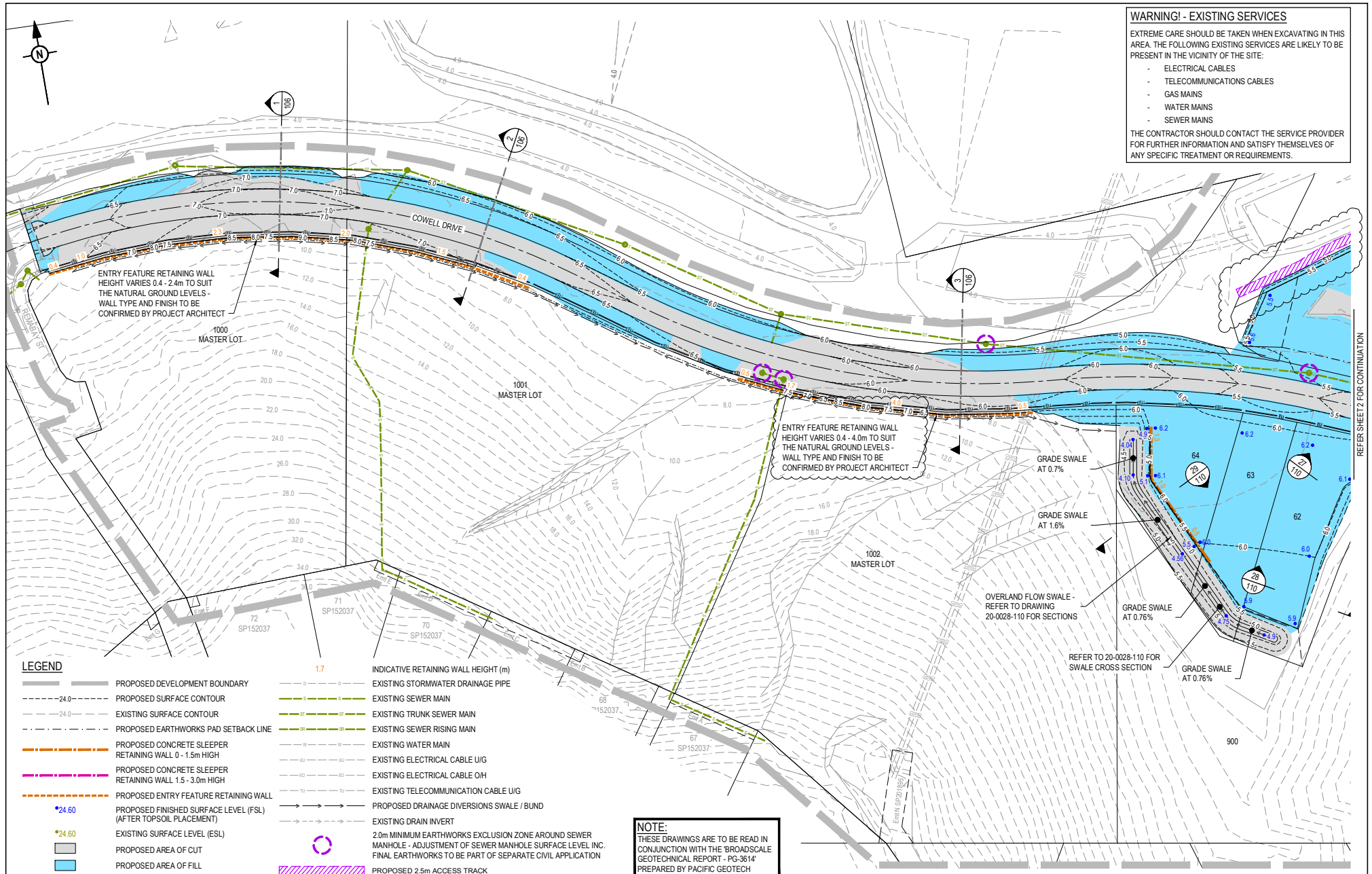
For and on behalf of  
**PACIFIC GEOTECH PTY LTD**

Encl. Earthworks Layout Plan



[info@pacgeo.com.au](mailto:info@pacgeo.com.au)  
[www.pacgeo.com.au](http://www.pacgeo.com.au)





**WARNING! - EXISTING SERVICES**  
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

**LEGEND**

- |  |  |
|--|--|
| — PROPOSED DEVELOPMENT BOUNDARY  | — 1.7 — INDICATIVE RETAINING WALL HEIGHT (m)   |
| ---24.0--- PROPOSED SURFACE CONTOUR                                    | --- EXISTING STORMWATER DRAINAGE PIPE  |
| ---24.0--- EXISTING SURFACE CONTOUR                                    | --- EXISTING SEWER MAIN  |
| --- PROPOSED EARTHWORKS PAD SETBACK LINE                               | --- EXISTING TRUNK SEWER MAIN  |
| --- PROPOSED CONCRETE SLEEPER RETAINING WALL 0 - 1.5m HIGH             | --- EXISTING SEWER RISING MAIN   |
| --- PROPOSED CONCRETE SLEEPER RETAINING WALL 1.5 - 3.0m HIGH           | --- EXISTING WATER MAIN  |
| --- PROPOSED ENTRY FEATURE RETAINING WALL                              | --- EXISTING ELECTRICAL CABLE U/G  |
| •24.60 PROPOSED FINISHED SURFACE LEVEL (FSL) (AFTER TOPSOIL PLACEMENT) | --- EXISTING ELECTRICAL CABLE OH   |
| •24.60 EXISTING SURFACE LEVEL (ESL)                                    | --- EXISTING TELECOMMUNICATION CABLE U/G   |
| PROPOSED AREA OF CUT   | --- PROPOSED DRAINAGE DIVERSIONS SWALE / BUND  |
| PROPOSED AREA OF FILL  | --- EXISTING DRAIN INVERT  |
| PROPOSED 2.5m ACCESS TRACK   | 2.0m MINIMUM EARTHWORKS EXCLUSION ZONE AROUND SEWER MANHOLE - ADJUSTMENT OF SEWER MANHOLE SURFACE LEVEL INC. FINAL EARTHWORKS TO BE PART OF SEPARATE CIVIL APPLICATION |

**NOTE:**  
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE 'BROADSCALE GEOTECHNICAL REPORT - PG-3614' PREPARED BY PACIFIC GEOTECH

REV	DATE	DESIGN	DRAWN	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
A	10.06.21	MH	TR	ISSUED FOR CONSTRUCTION	TR		1:500	BURLEIGH HEADS ESTATE PTY LTD	THE ARBOUR	BULK EARTHWORKS LAYOUT PLAN
B	23.09.21	TR	NS	LOT 1003 AMENDED			1:1000			SHEET 1 OF 4
C	11.01.22	TR	TR	LEVELS ADDED TO TOP AND BOTTOM OF WALL LOTS 62 & 63						
D	22.05.22	TR	TR	MAX WALL HEIGHTS ADJUSTED, 2.5m ACCESS TRACK ADDED						
E	07.07.22	TR	TR	RETAINING WALL HEIGHTS ADJUSTED						
					DESIGN	APPROVED		ASSOCIATED CONSULTANT		PROJECT No.
					TR	DAN COLLINS		SURVEYOR: GASSMAN	COWELL DRIVE BURLEIGH HEADS	20-0028
						RPEQ 18631		DEVELOPMENT PERSPECTIVES		DRAWING No.
						FOR AND ON BEHALF OF PEAKURBAN PTY LTD				102
						ENDQUIRES@PEAKURBAN.COM.AU				REVISION
										E