

Ref: PG-3614-A, 2022-12-19, LTR (LOT 63) VER 1
Author: Ben Elsmore

19th December, 2022

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

**CERTIFICATION OF LOT FILLING – LOT 63
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)

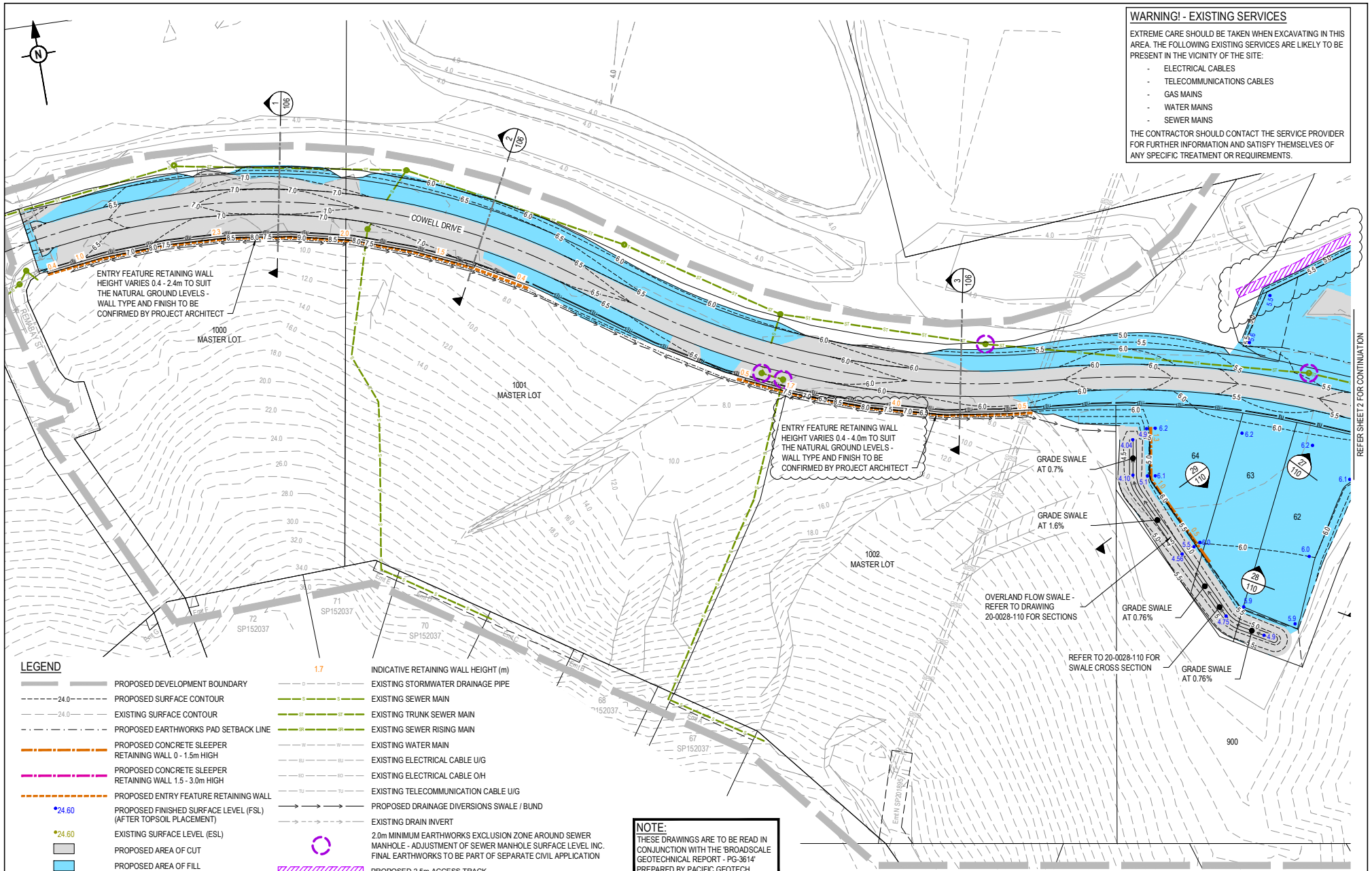
For and on behalf of
PACIFIC GEOTECH PTY LTD

Encl. Earthworks Layout Plan



info@pacgeo.com.au
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.

ENTRY FEATURE RETAINING WALL HEIGHT VARIES 0.4 - 2.4m TO SUIT THE NATURAL GROUND LEVELS - WALL TYPE AND FINISH TO BE CONFIRMED BY PROJECT ARCHITECT

ENTRY FEATURE RETAINING WALL HEIGHT VARIES 0.4 - 4.0m TO SUIT THE NATURAL GROUND LEVELS - WALL TYPE AND FINISH TO BE CONFIRMED BY PROJECT ARCHITECT

LEGEND		INDICATIVE RETAINING WALL HEIGHT (m)	
	PROPOSED DEVELOPMENT BOUNDARY	0	EXISTING STORMWATER DRAINAGE PIPE
	PROPOSED SURFACE CONTOUR	1.7	EXISTING SEWER MAIN
	EXISTING SURFACE CONTOUR	2.4	EXISTING TRUNK SEWER MAIN
	PROPOSED EARTHWORKS PAD SETBACK LINE	3.0	EXISTING SEWER RISING MAIN
	PROPOSED CONCRETE SLEEPER RETAINING WALL 0 - 1.5m HIGH	4.0	EXISTING WATER MAIN
	PROPOSED CONCRETE SLEEPER RETAINING WALL 1.5 - 3.0m HIGH	5.0	EXISTING ELECTRICAL CABLE U/G
	PROPOSED ENTRY FEATURE RETAINING WALL	6.0	EXISTING ELECTRICAL CABLE O/H
	PROPOSED FINISHED SURFACE LEVEL (FSL) (AFTER TOPSOIL PLACEMENT)	7.0	EXISTING TELECOMMUNICATION CABLE U/G
	EXISTING SURFACE LEVEL (ESL)	8.0	PROPOSED DRAINAGE DIVERSIONS SWALE / BUND
	PROPOSED AREA OF CUT	9.0	EXISTING DRAIN INVERT
	PROPOSED AREA OF FILL	10.0	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
	PROPOSED 2.5m ACCESS TRACK	11.0	

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

REFER SHEET 2 FOR CONTINUATION

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