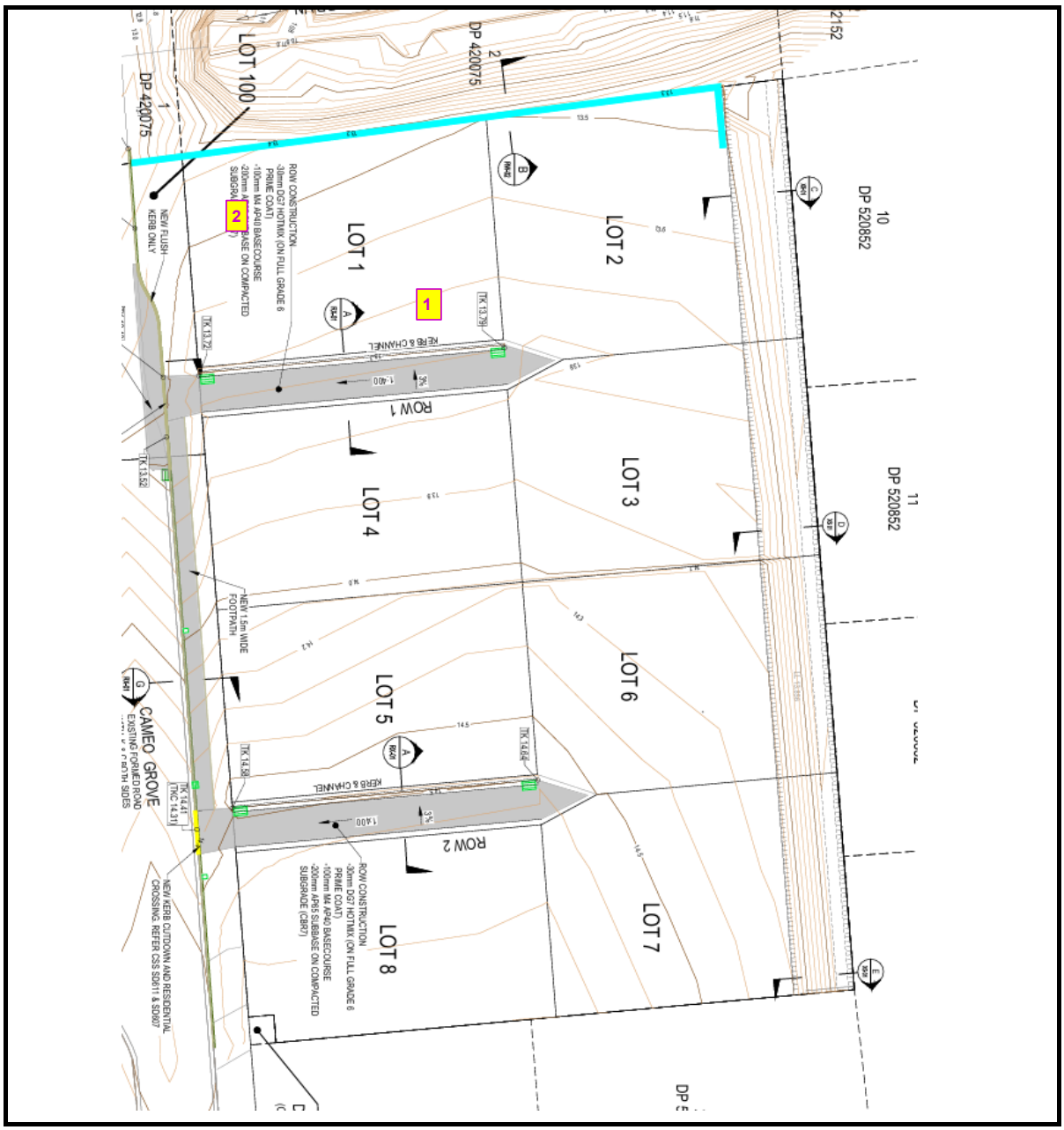
KB CONTRACTING & QUARRIES LTD

4-8 Tanya Street
Bromley
PO Box 19746
Christchurch
Office Phone: 03 343 5555

Laboratory No: **KB25/0473**
Report Date: 20/08/2025
Report Status: Final

Cameo Grove, Lot 1, 7th lift



Plans and test locations are not to scale

Notes: *Based on a maximum dry density of 2300 kg/m3 as determined by New Zealand Vibrating Hammer Compaction (Refer Road Science Lab Ref: C25/1991, Issued 6 June 2025)
2 test sites were randomly selected as representative sample locations in each lot.

KB CONTRACTING & QUARRIES LTD

4-8 Tanya Street
Bromley
PO Box 19746
Christchurch
Office Phone: 03 343 5555

Test Report

Laboratory No: **KB25/0474**
Report Date: 20/08/2025
Report Status: Final

Client: KB Contracting and Quarries Ltd
Contact Name: Mr A Hodgson
Location: Cameo Grove, Lot 2, 6th lift
Material: Pit Run
Material Source: McLeans Island Quarry
Contractor: KB Contracting and Quarries Ltd

Tested By: M. Foster
Date Tested: 19/08/2025

Test Method: NZS 4407:2015 Test 4.3 (backscatter mode)
Note: Moisture contents and dry densities as reported by the nuclear gauge

Results:

Location	Dry Density (kg/m^3)	Wet Density (kg/m^3)	Moisture (%)	* Relative Compaction (%)
1	2200	2310	5.3	95
2	2180	2300	5.4	95

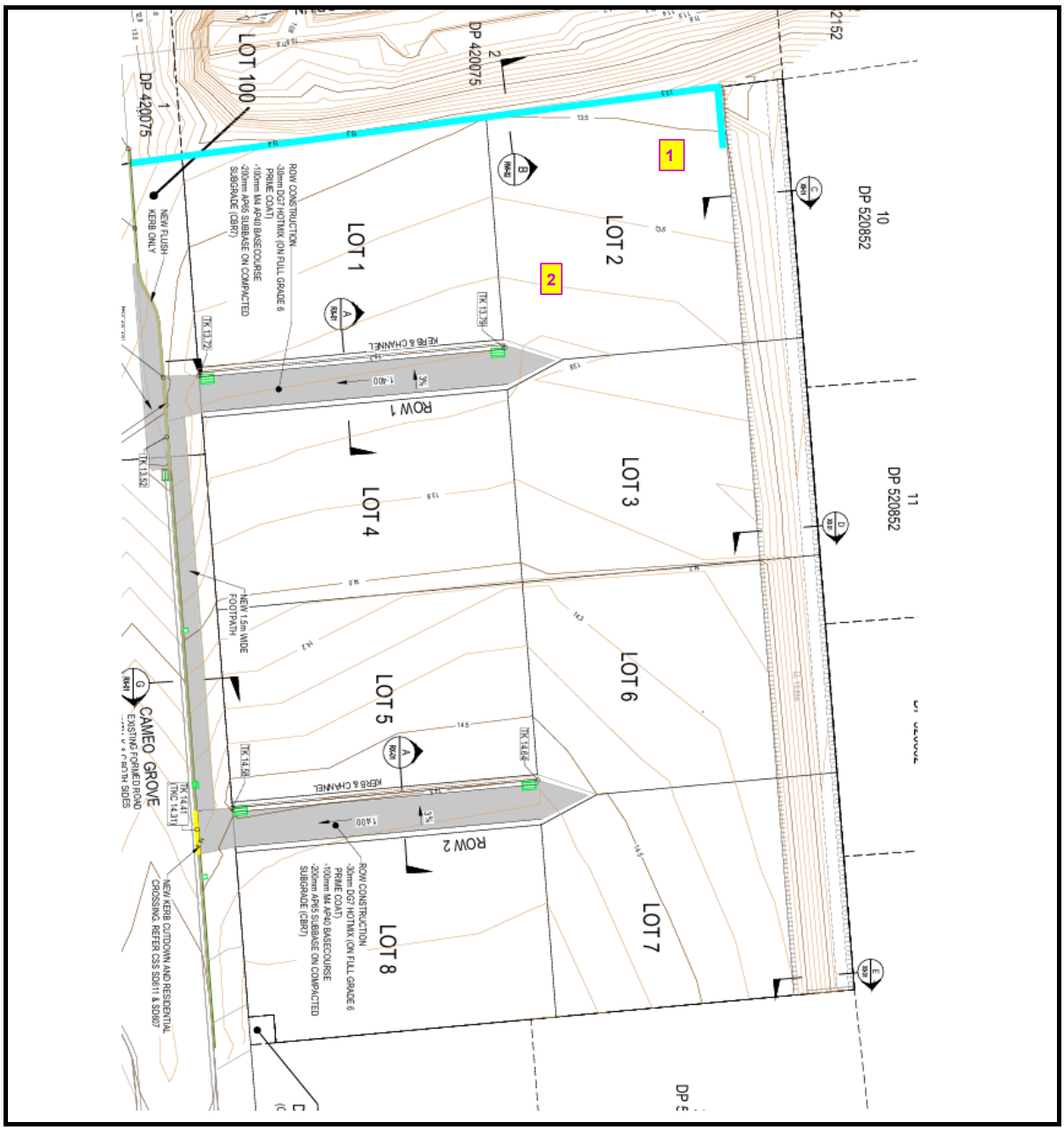
Issued By:
(M. Foster, Laboratory Supervisor)

KB CONTRACTING & QUARRIES LTD

4-8 Tanya Street
Bromley
PO Box 19746
Christchurch
Office Phone: 03 343 5555

Laboratory No: **KB25/0474**
Report Date: 20/08/2025
Report Status: Final

Cameo Grove, Lot 2, 6th lift



Plans and test locations are not to scale

Notes: *Based on a maximum dry density of 2300 kg/m3 as determined by New Zealand Vibrating Hammer Compaction (Refer Road Science Lab Ref: C25/1991, Issued 6 June 2025)
2 test sites were randomly selected as representative sample locations in each lot.

Appendix D
Earthfill Certification

APPENDIX D – STATEMENT OF SUITABILITY OF ENGINEERED FILL FOR LIGHTWEIGHT STRUCTURES

(Informative)

To: *(name and address of local authority)*	CHRISTCHURCH CITY COUNCIL
Development name:	PRESTONS PARK CAMEO GROVE
Land title(s):	LOT 46 DP 431366
Development location/address:	12 CAMEO GROVE
Relevant resource consent number(s):	RMA/2024/1142/A
Developer's name and company:	CDL LANE NEW ZEALAND LIMITED
Geotechnical designer's name and company:	JAN KUPEC - AURECON NEW ZEALAND LIMITED
Certifier's name and company:	JAN KUPEC - AURECON NEW ZEALAND LIMITED

Attachments (give reference numbers):

(1) Site layout plan(s)

(2) Fill layout plan(s)

(3) Fill section(s)

(4) Design report

(5) Earthworks completion report, including the following appendices:

- (a) As-built survey;
- (b) Cut-fill plan (with contours);
- (c) Inspection and test plan;
- (d) Earthworks specification;
- (e) All test results;
- (f) All inspection records.

I confirm I am qualified as a certifier as defined in NZS 4431:2022.

During this work, I was retained as certifier, and I or my certifier's representative undertook inspections and testing as documented in the attached earthworks completion report.

I am satisfied that the engineered fill shown in the attached as-built survey was placed, compacted, and tested in accordance with the attached earthworks specification and that all variations and non-compliances have been documented in the earthworks completion report.

Based on the information available, I certify that, to the best of my knowledge, the intent of the geotechnical designer (as presented in their design, drawings, and earthworks specification) has been achieved.

The area shown on the as-built survey plan referenced above is considered suitable for development as per NZS 3604. (*strike out if not relevant*)

This certification does not remove the necessity for normal inspection and design of foundations as would be made in natural ground.

Certifier's signature:	Date: 22/10/25

Certifier's qualifications, professional registration type, and number:

PhD, MSc, FEngsNZ, CPEng (Geotechnical and Project Management), IntPE

Figure 12 – Statement of suitability of engineered fill for lightweight structures

Document prepared by

Aurecon New Zealand Limited
Level 2, Iwikau Building
93 Cambridge Terrace
Christchurch 8013
New Zealand

T +64 3 366 0821
F +64 3 379 6955
E christchurch@aurecongroup.com
W aurecongroup.com

aurecon
Bringing ideas to life