

17 December 2021

Our Reference: 1628-1

Campbell Brown Planning Ltd
P O Box 147001
Ponsonby
AUCKLAND 1144
Attention: Michael Campbell

Dear Michael

RE: RESOURCE CONSENT, ENGINEERING DESIGN REPORT FOR THE PROPOSED RESIDENTIAL SUBDIVISION DEVELOPMENT AT 2182 EAST COAST ROAD STAGES 3 & 4, SILVERDALE FOR BUILD RICH LIMITED

Aspire Consulting Engineers Limited have been engaged by Build Rich Limited, to prepare an Engineering design report for the proposed residential subdivision development at the above site, to accompany an application for Resource Consent addressing the key requirements with respect to earthworks, roading, three waters and utility services.

The proposed development is located at 1 Silverwater Drive Silverdale, Lot 7 DP 545151 (10.29 ha in area). This work is Stage 3 and 4 of a staged development at 2182 East Coast Road, Silverdale. Please refer to the aerial photo in figure 1 below:



Fig 1: Extract from Auckland Council GIS-existing site location plan

Stages 3 and 4 comprise 289 residential lots including two super lots containing 7 and 8 terraced units respectively. This results in a total of 302 household dwellings.

It is proposed to release the development in 11 stages. The stages are detailed on the staging plan from C&R Surveyors Limited, please see figure 2 below:



Figure 2: C&R Surveyors staging plan

The staging is outlined below:

Stage 3A:	26 residential lots
Stage 3B:	29 residential lots
Stage 3C:	19 residential lots
Stage 3D:	28 residential lots
Stage 3E:	28 residential lots
Stage 3F:	20 residential lots
Stage 3G:	14 residential lots
Stage 4A:	33 residential lots
Stage 4B:	20 residential lots
Stage 5A:	16 residential lots
Stage 5B:	54 residential lots
Stage 6:	Super lot with 7 terraced houses
Stage 7:	Super lot with 8 terraced houses

The specific aspects of the development are detailed in separate memo's attached with this report, as follows:

Earthworks in memo 1628 M2
Roading in memo 1628 M3
Stormwater Drainage in memo 1628 M4
Wastewater Drainage in memo 1628 M5
Water Supply in memo 1628 M6
Wetland in memo 1628 M7

Utility services (power supply, gas supply and fibre telecommunications) will be installed in the road berms in a combined services trench including the water supply. All residential lots will be provided with a power, gas and fibre connection.

We believe this report covers the engineering requirements outlined for resource consent.

Please feel free to contact the undersigned if you have any questions.

Report prepared by:

A handwritten signature in blue ink, appearing to read "M. Jones".

M. Jones
ENGINEER
NZCE (Civil)

ATTACHMENTS:

- APPENDIX A: RESOURCE CONSENT MEMOS M2 TO M7 (ASPIRE CONSULTING ENGINEERS)
- APPENDIX B: RESOURCE CONSENT DESIGN DRAWINGS (ASPIRE CONSULTING ENGINEERS)
- APPENDIX C: WATERCOURSE CLASSIFICATIONS AND FRESHWATER ECOLOGICAL VALUES ASSESSMENT (BOFFA MISKEL) (BOUND SEPERATELY)
- APPENDIX D: GEOTECHNICAL INVESTIGATION REPORT (CMW GEOSCIENCES) (BOUND SEPARATELY)