

## Memorandum

To: Michael Campbell – Campbell Brown Planning Limited

From: Phil Fairgray

Date: 17 December 2021

Job No: 1628 M3

Subject: Roading design for the proposed residential subdivision at 2182 East Coast Road,

Silverdale, Stages 3 and 4

This Memorandum has been prepared to detail the proposed roading for the proposed Build Rich Limited Stage 3 and 4 residential development at 2182 East Coast Road, Silverdale.

## 1.0 Introduction and Proposal:

The proposed subdivision is located at 1 Silverwater Drive Silverdale 0993, Lot 7 DP 545151 (10.29 ha in area). This work is residential stages 3 and 4 of a multi-staged development at 2182 East Coast Road, Silverdale. Refer appendix A, for Aspire roading resource consent design drawings.

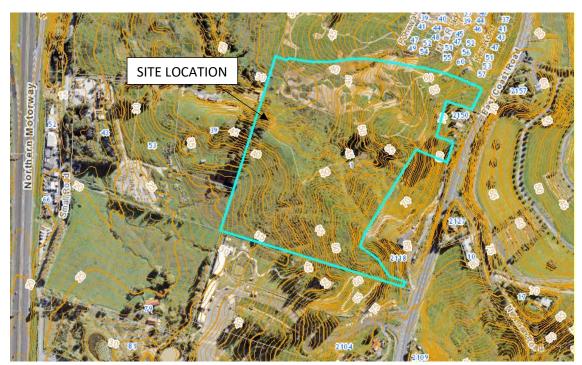


Fig 1: Extract from Auckland Council GIS-existing site location plan



#### 2.0 Roading:

#### 2.1 Overview

Proposed stages 3 & 4 are a part of the overall 'master plan' for the five-stage development at 2182 East Coast Road, Silverdale. Residential stage 1 and commercial stage 5 are constructed complete under Resource Consents BUN60316008 and BUN60337961 respectively. Residential stage 2 is currently under construction under Resource Consent BUN60343364. Stages 3 & 4 to the south of stages 1 & 2 are adjacently connected by Silverwater road and through Spine Road to the west.



Fig 2: Proposed Road Design Layout

## 2.2 Layout and Design

The proposed development layout for stages 3 & 4 consists of extending Spine Road, constructing four new public roads (roads 1-4) and one formed jointly owned access lot (JOAL 1). At the western area of the development site, it is proposed to continue extending Spine Road from stage 2 into stages 3 & 4 using the same road layout and reserve widths including the cycle path. Proposed internal public roads 1-4 are designed with the same considerations adopted for stages 1 & 2 internal streets, utilising



the same road design formations. All proposed public roads intersect directly off Silverwater Road and either terminate at the south of the development or interconnect internally. The proposed JOAL also has direct access off Silverwater road and off proposed road 3.

Refer table 2.1 below for a summary of the road layout.

Road ID	Reserve Width (m)	Carriageway Width (m)	Road Length (m)	Footpath	On Street Parking	Street Landscaping	Cycle path
Spine Road	20*	7.00	354**	Both Sides	Y	Y	Υ
Road 1	15	5.74	449	Both Sides	Υ	Υ	N
Road 2	15	5.74	297	Both Sides	Υ	Υ	N
Road 3	15	5.74	392	Both Sides	Υ	Υ	N
Road 4	15	5.74	154	Both Sides	Υ	Υ	N
JOAL 1	-	5.74	225	One Side	Υ	Υ	N

Table 2.1: Proposed Road Design Formation Summary

Traffic calming techniques has been considered and are included within the road design throughout the development. Subject to detailed engineering design it is likely stages 3 & 4 are to adopt the same traffic calming used in stages 1 & 2.

#### 2.3 Traffic Analysis

A site-specific traffic analysis and assessment has been completed on the site by Traffic Planning Consulting Limited. The report includes but is not limited to an existing transport assessment, proposed development assessment and effects of the proposal and Auckland Unitary Plan compliance. Refer Appendix B: TPC Traffic Report for detail.

Please refer to roading plans 1628-RC-RD301 to RD316 attached for the proposed road network layout. Please feel free to contact us if you require any further information.

<sup>\*</sup>Includes a 5.5 m wide land take along neighbouring lots 17 Small Road, 29 Small Road and 53 Small Road to future vest to Auckland Council.

<sup>\*\*</sup>Extended length continued from stage 2 Spine Road construction.

# BUILD RICH LIMITED 2182 EAST COAST ROAD SILVERDALE EAST COAST HEIGHTS - STAGE 3 & 4 RESOURCE CONSENT PLANS



PG100 - PRELIMINARY & GENERAL

EW200 - EARTHWORKS

RD300 - ROADING

SW400 - STORMWATER

WW500 - WASTEWATER

WS600 - WATER SUPPLY



SITE LOCALITY



**COVER SHEET PG101** 

**JOB NUMBER: 1628** 

# **RESOURCE CONSENT DRAWINGS:**

## PRELIMINARY & GENERAL PG100

PG101 COVER PAGE

PG102 CONTENTS PAGE

PG103 EXISTING SITE PLAN

PG104 PROPOSED DEVELOPMENT OVERVIEW

**PLAN** 

PG105 PROPOSED STAGING PLAN



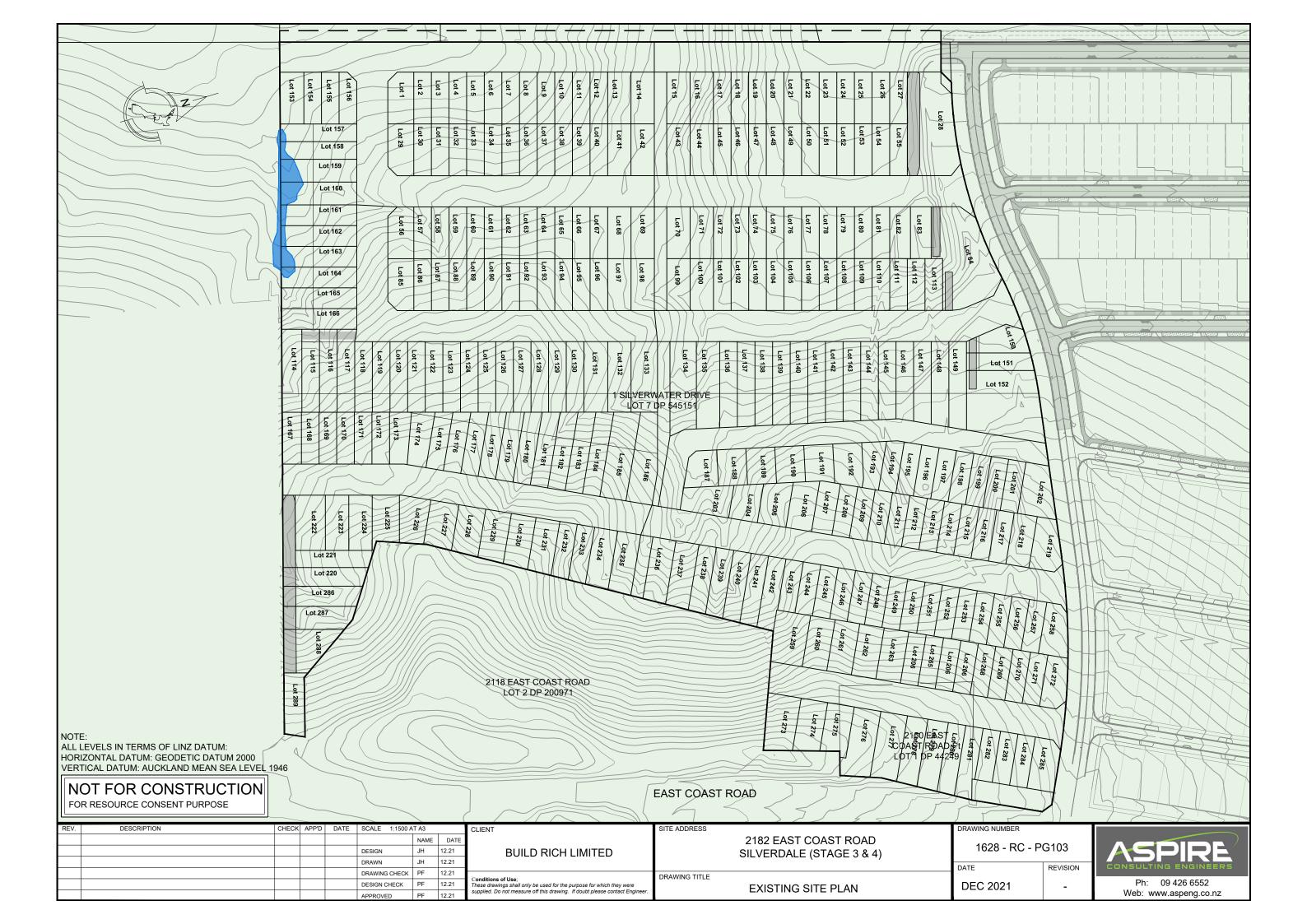
SITE LOCALITY



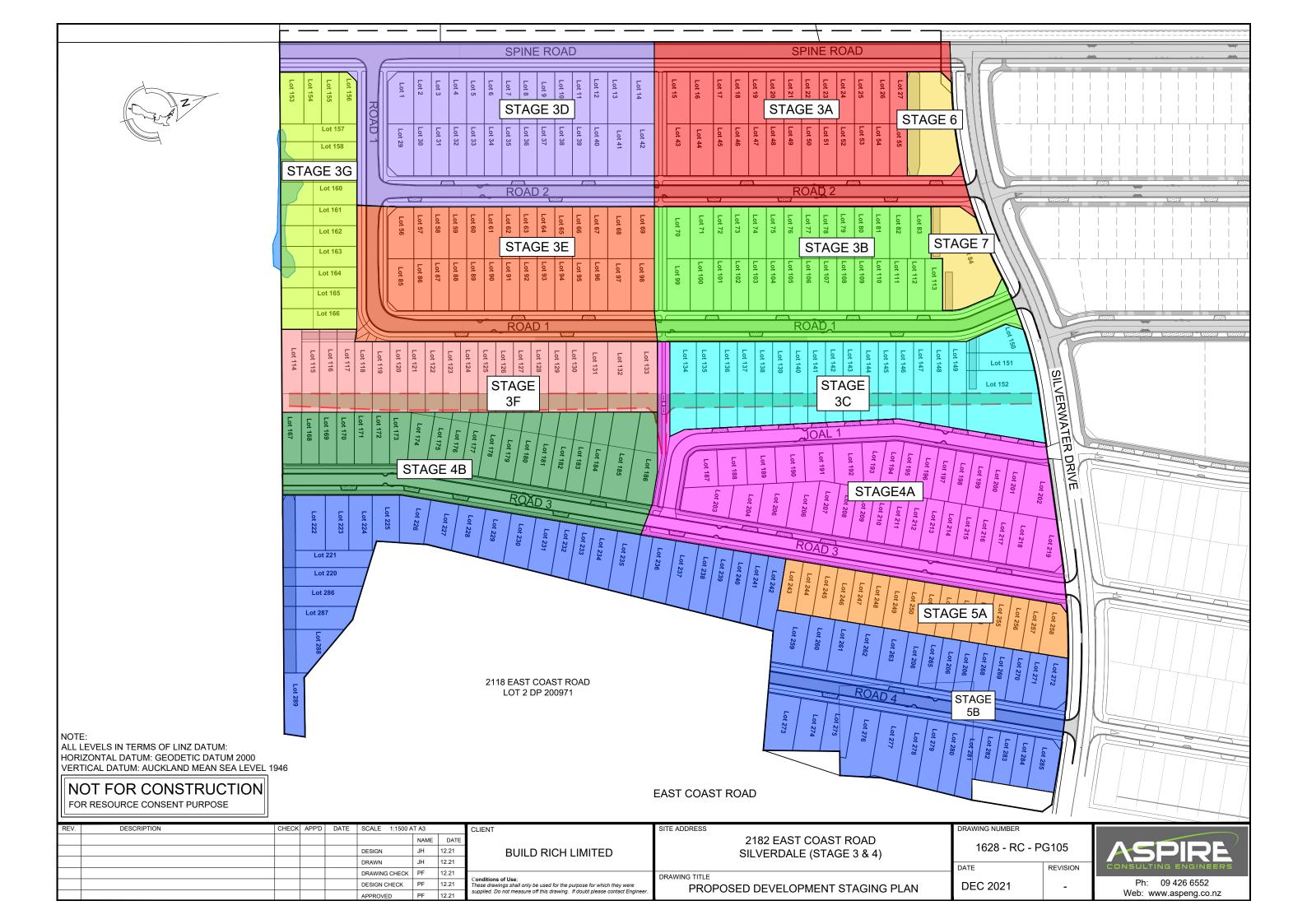
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JOB NUMBER: 1628

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# **RESOURCE CONSENT DRAWINGS:**

## **ROADING RD300**

**RD300 CONTENTS PAGE** 

RD301 PROPOSED ROADING OVERVIEW PLAN

**RD302-303 PROPOSED ROADING LAYOUT PLANS** 

**RD304-306 TYPICAL ROAD CROSS SECTIONS** 

**RD307-314 PROPOSED ROAD LONGSECTIONS** 

RD315 PROPOSED FOOTPATH MSE WALL

**DETAIL PLAN** 

RD316 PROPOSED LONGSECTION - MSE WALL

**PATHWAY** 



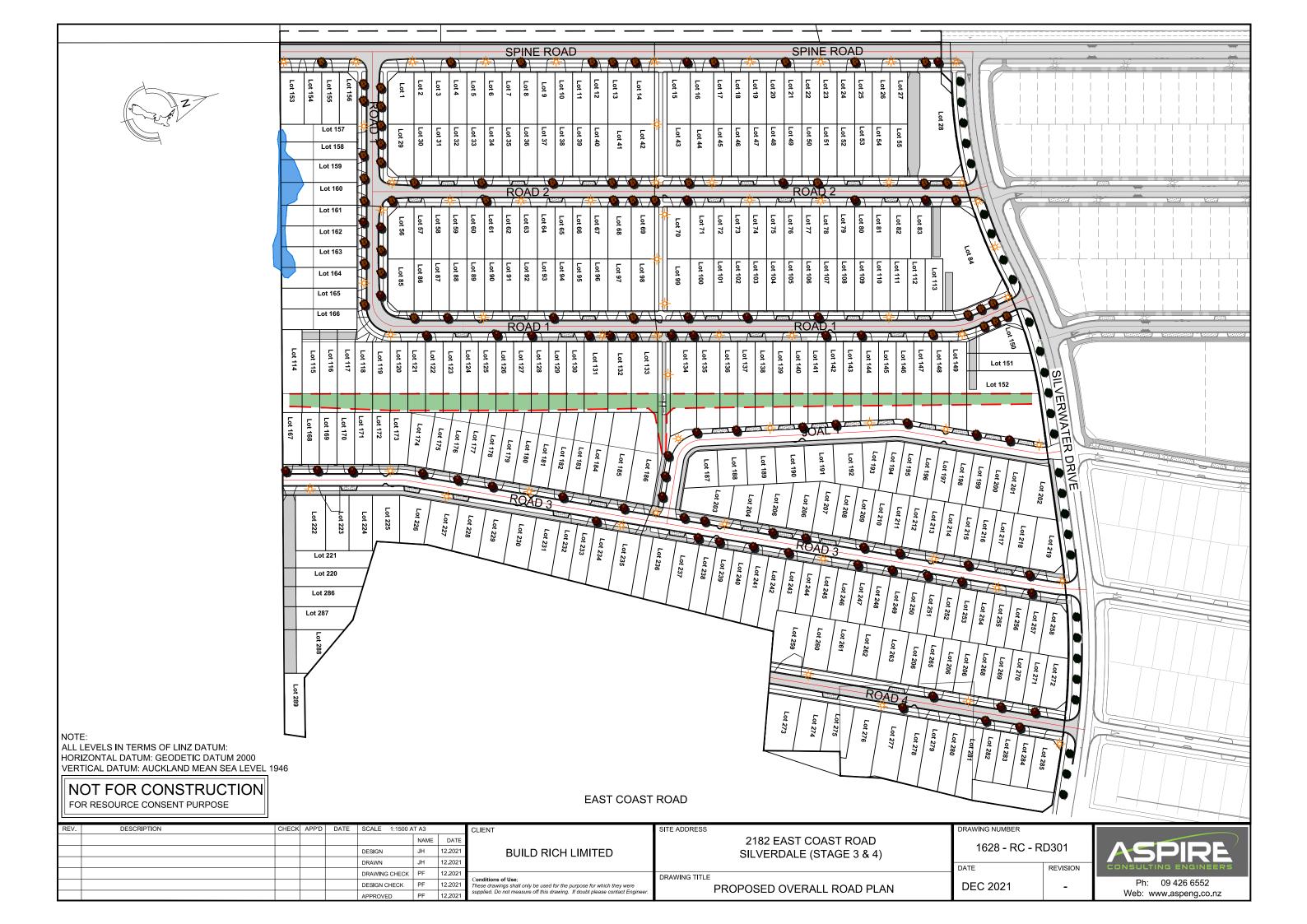
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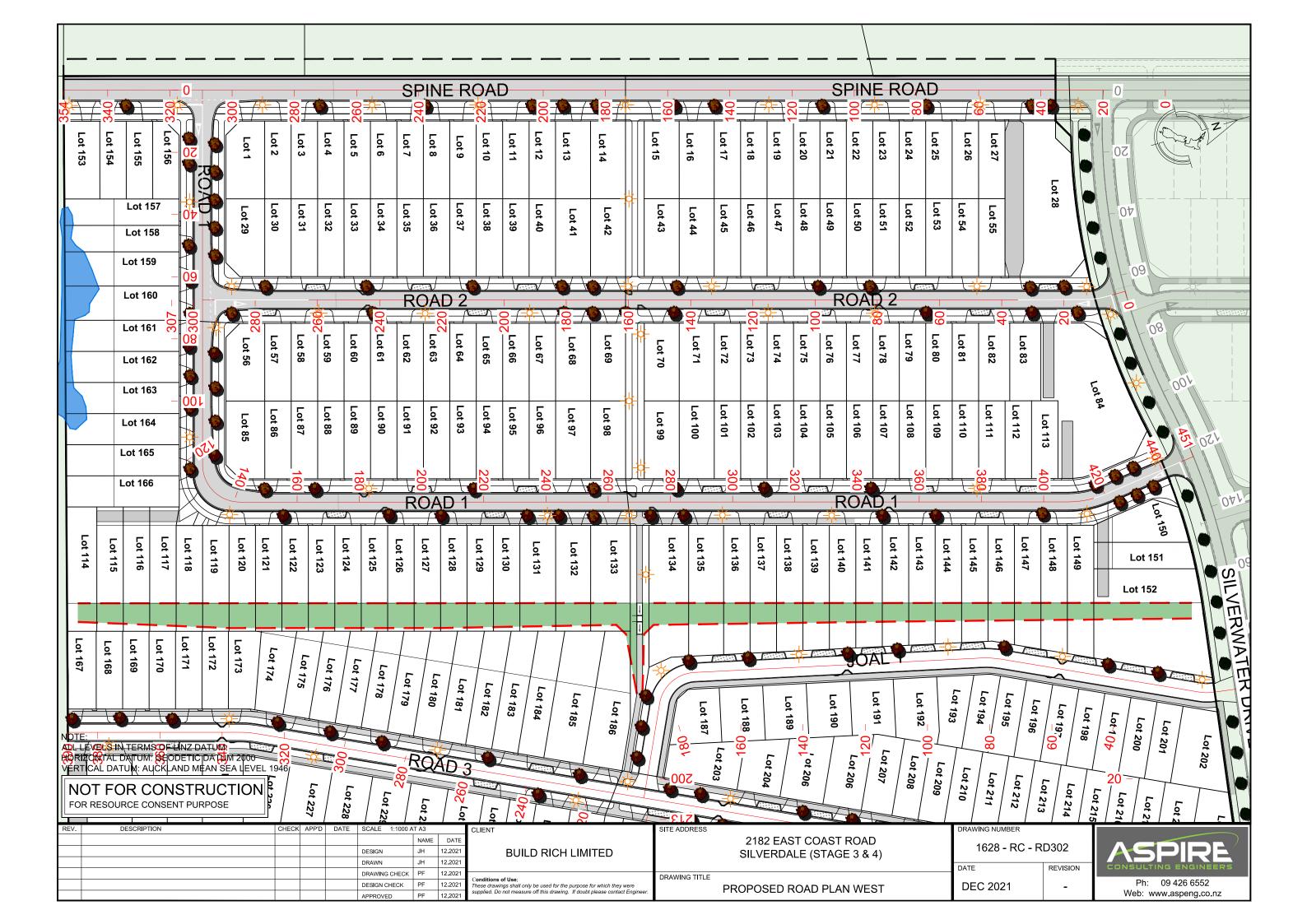


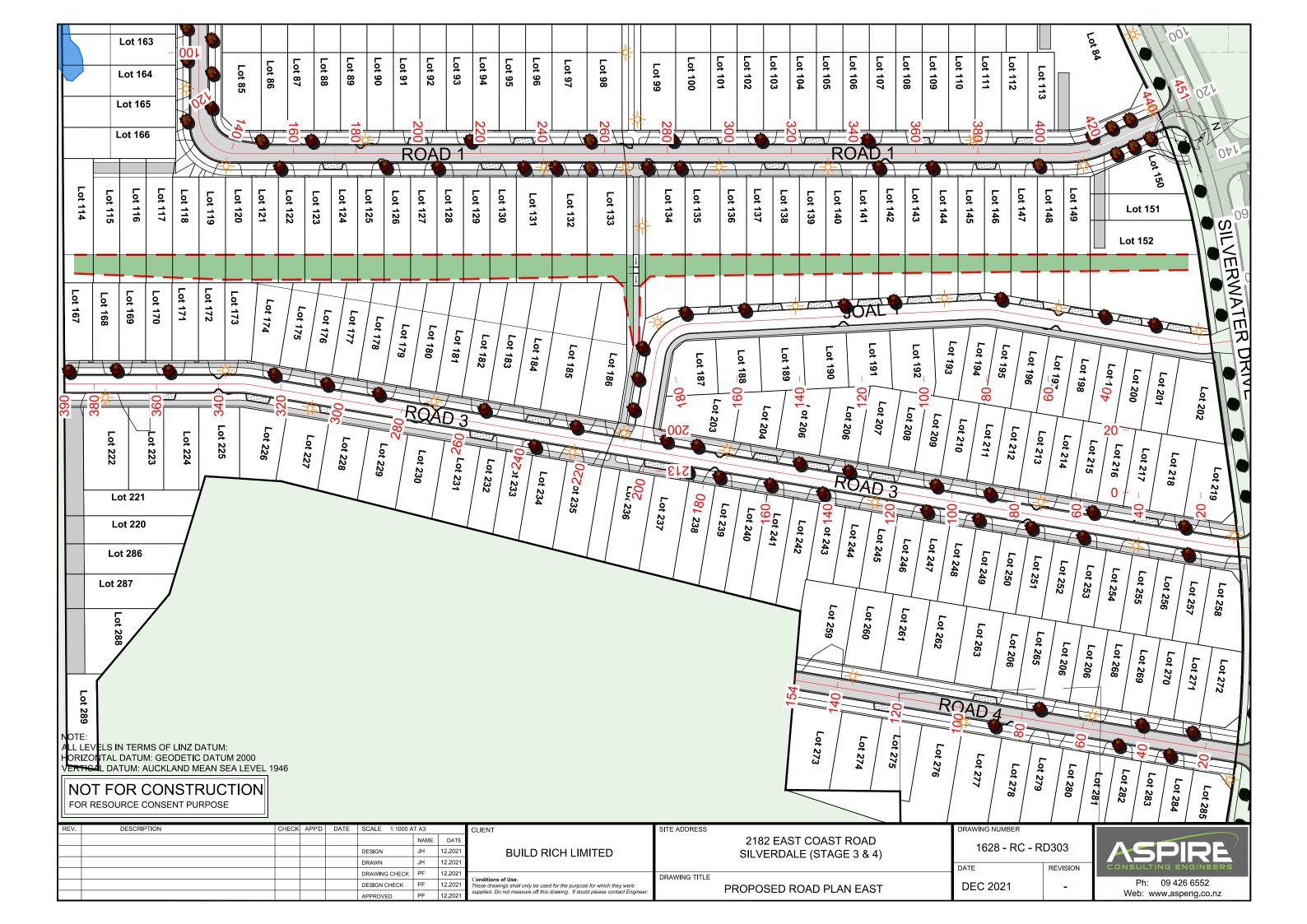
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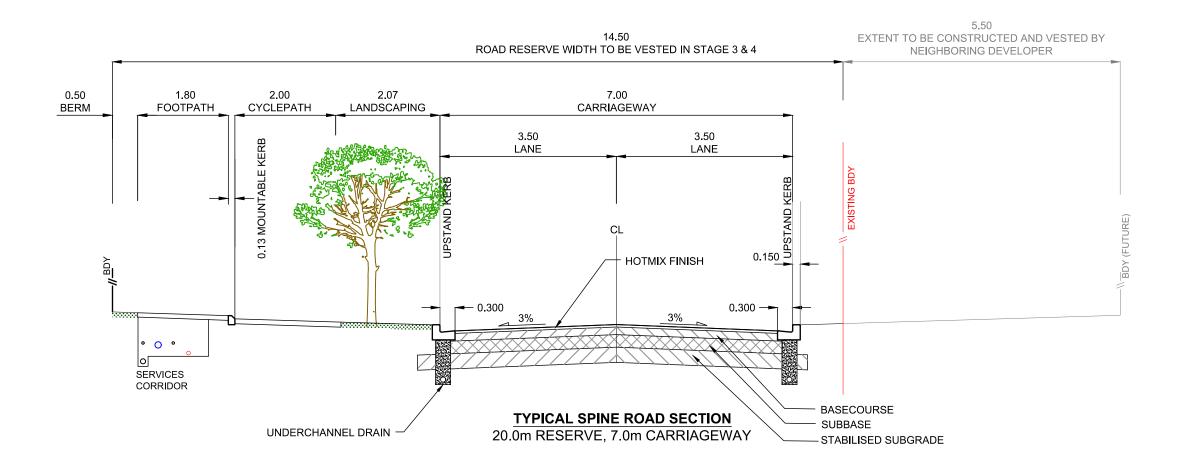
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2182 EAST COAST ROAD SILVERDALE (STAGE 3 & 4)	

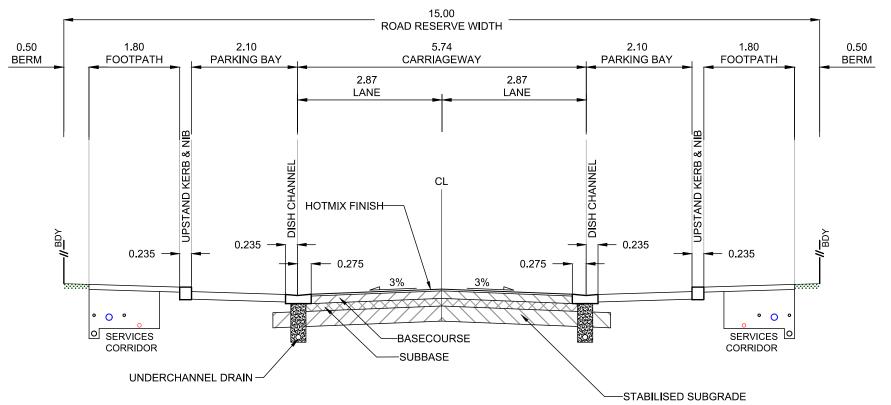
TYPICAL ROAD CROSS SECTION PLAN 1

1628 - RC - RD304
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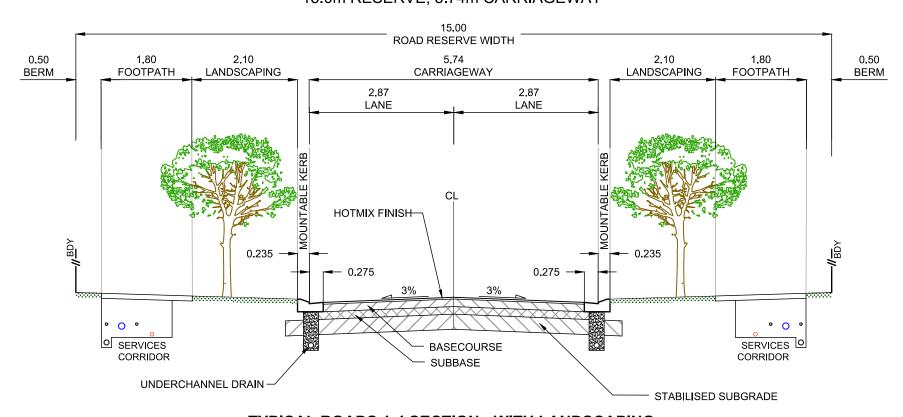
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## TYPICAL ROADS 1-4 SECTION - WITH PARKING 15.0m RESERVE, 5.74m CARRIAGEWAY



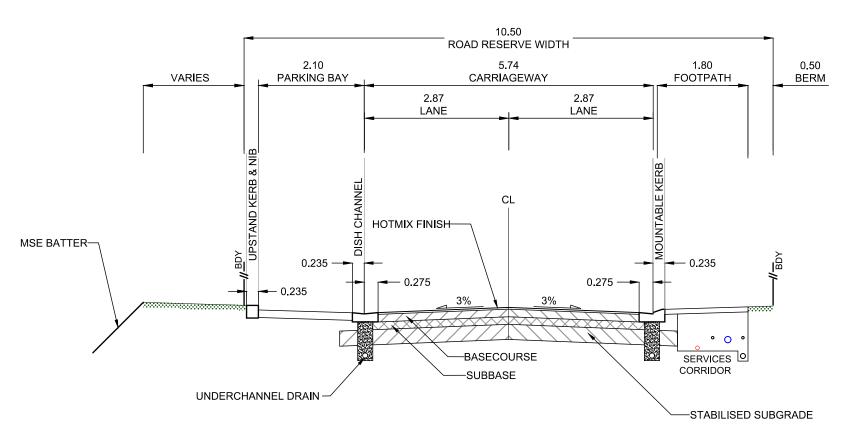
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## TYPICAL ROADS 1-4 SECTION - WITH LANDSCAPING

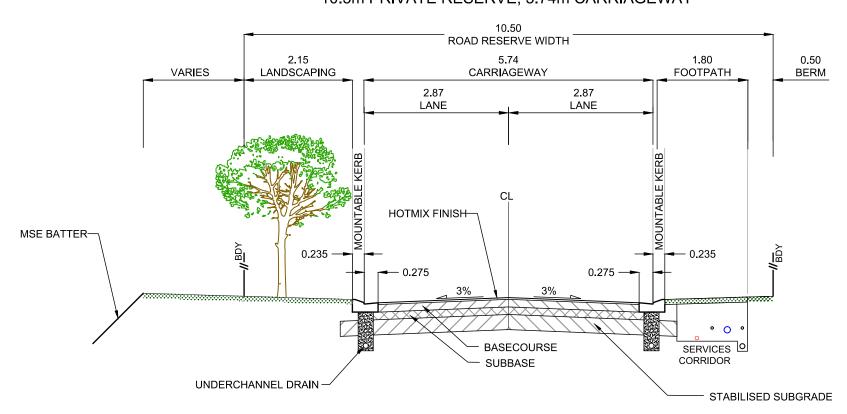
15.0m RESERVE, 5.74m CARRIAGEWAY

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# TYPICAL ROADS 5 SECTION - WITH PARKING 10.5m PRIVATE RESERVE, 5.74m CARRIAGEWAY



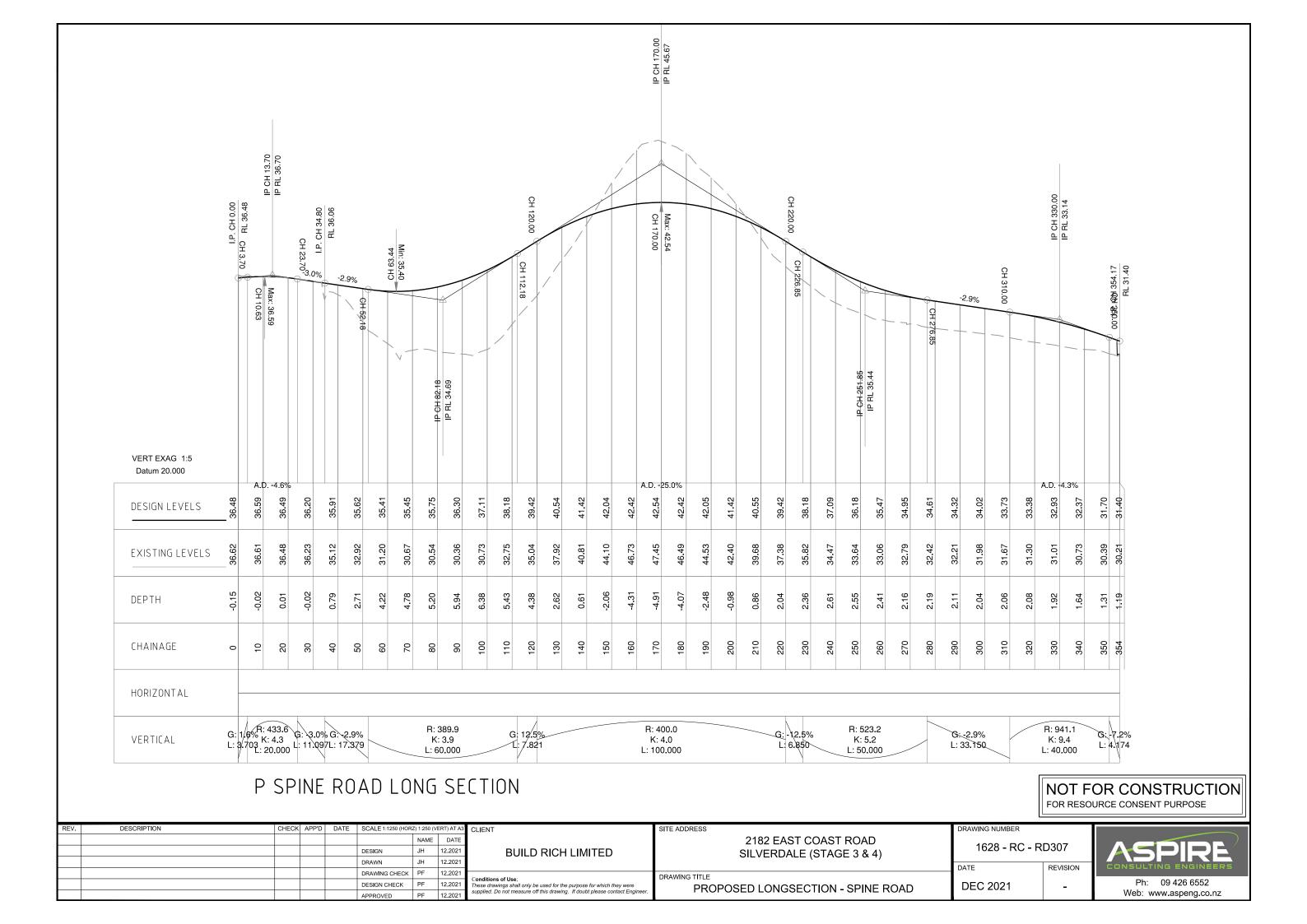
## **TYPICAL ROADS 5 SECTION - WITH LANDSCAPING**

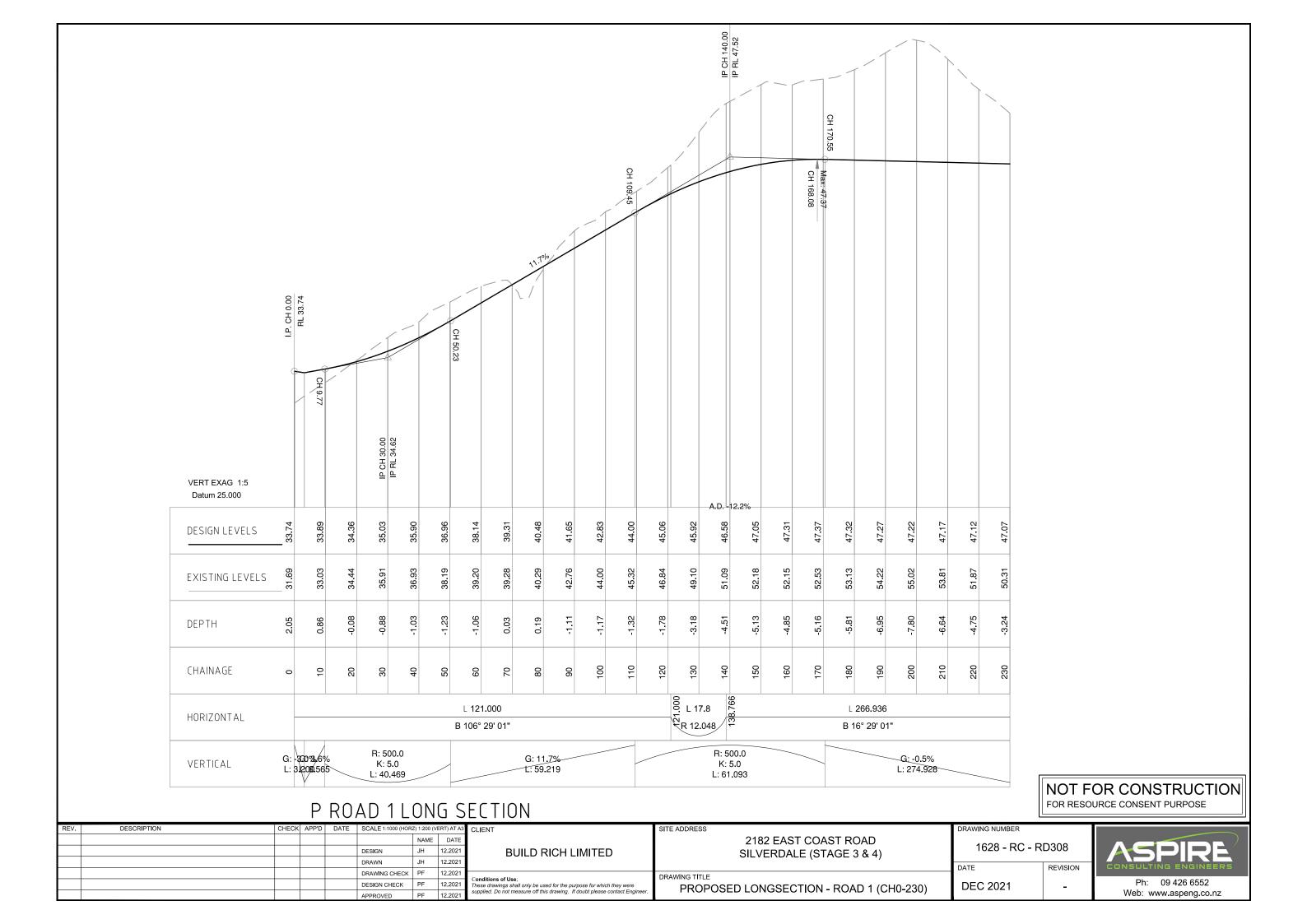
10.5m PRIVATE RESERVE, 5.74m CARRIAGEWAY

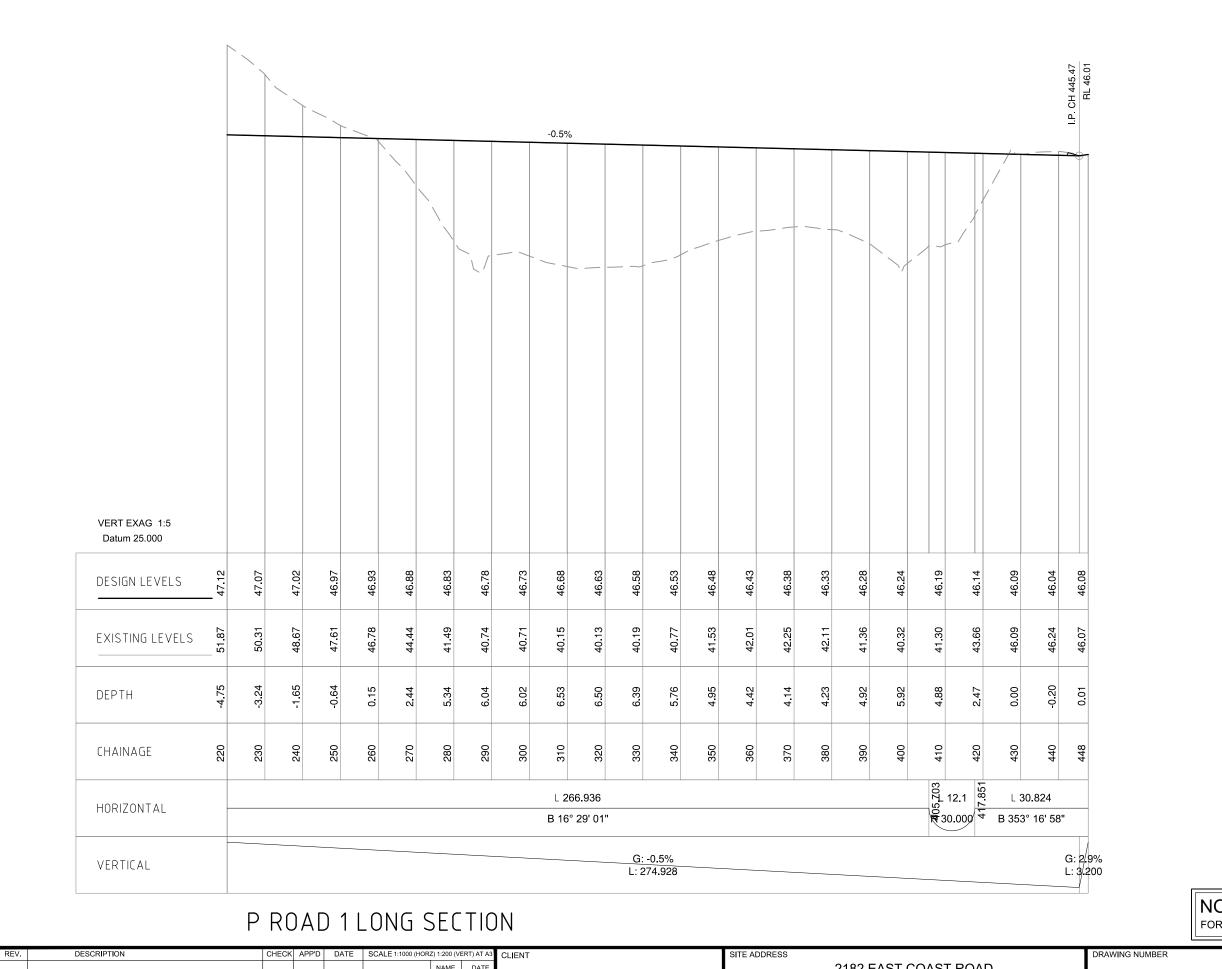
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2182 EAST COAST ROAD SILVERDALE (STAGE 3 & 4)

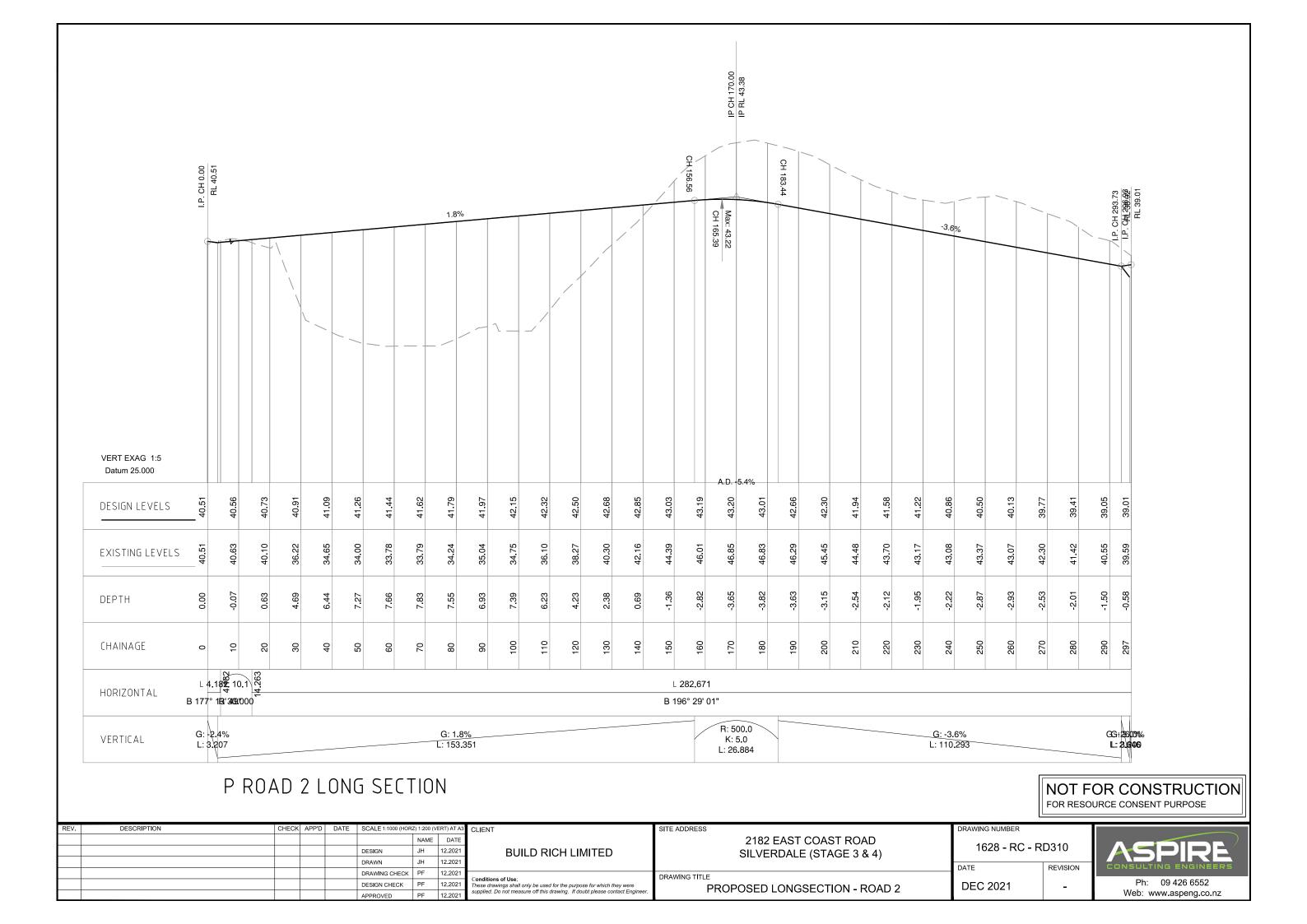
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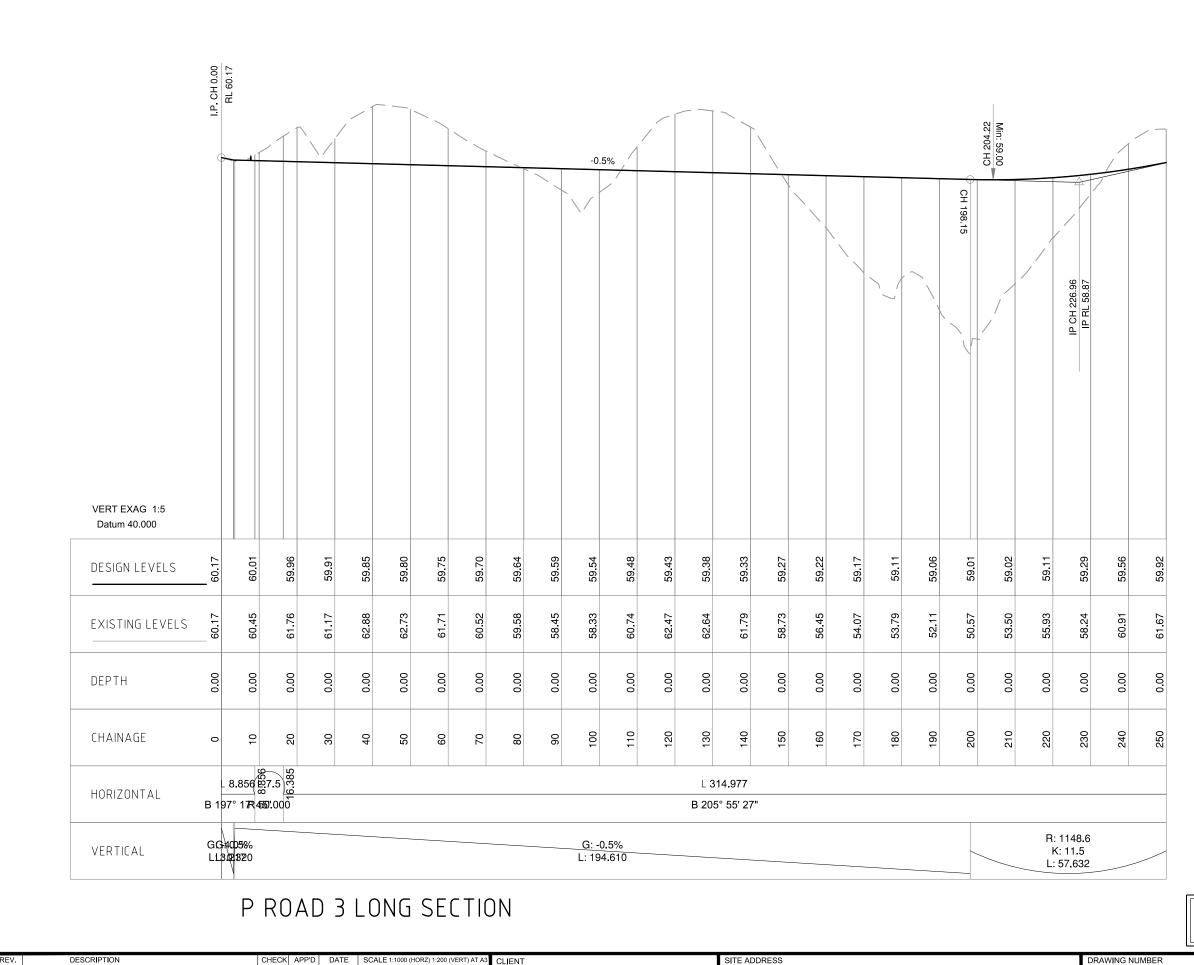
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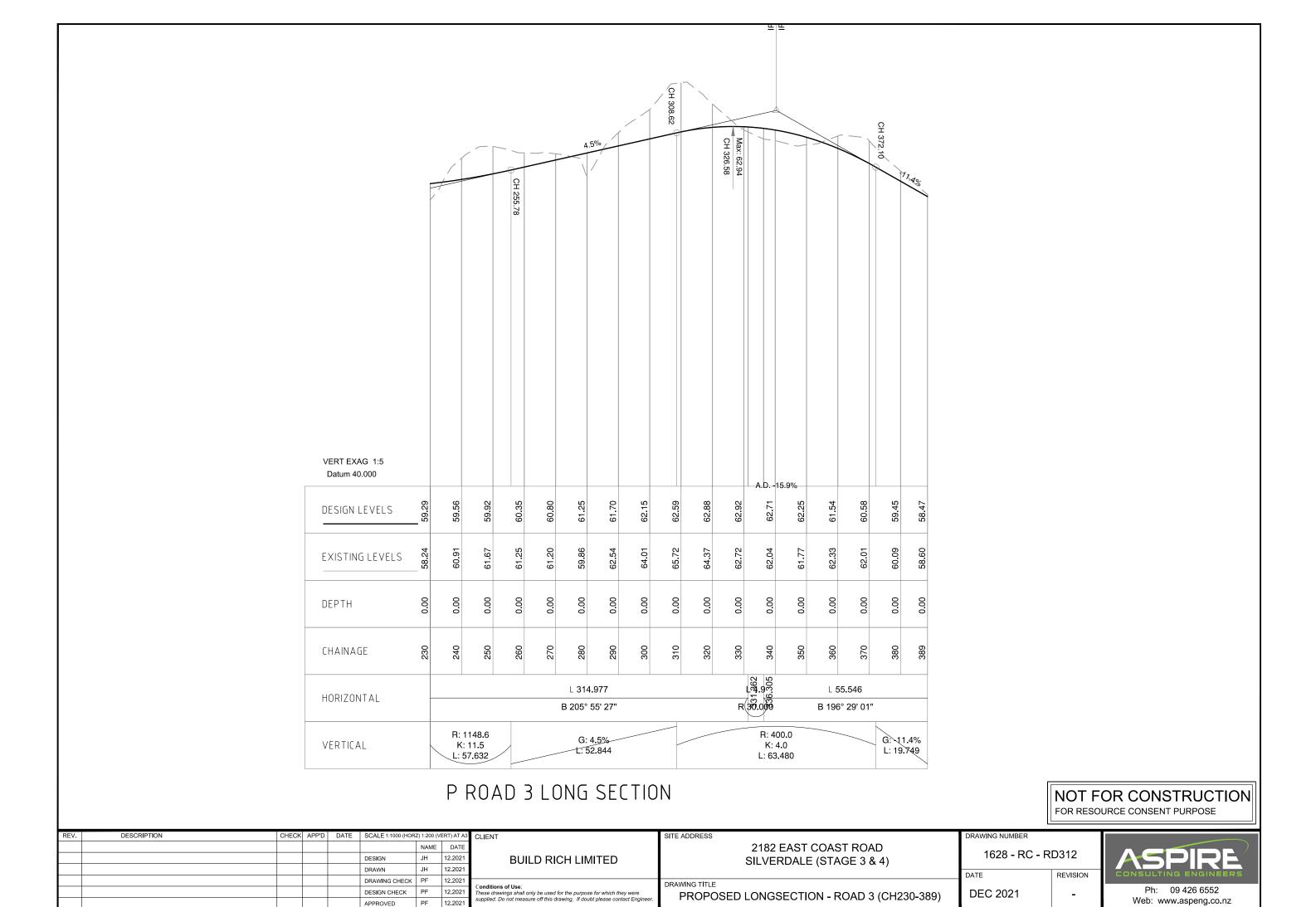
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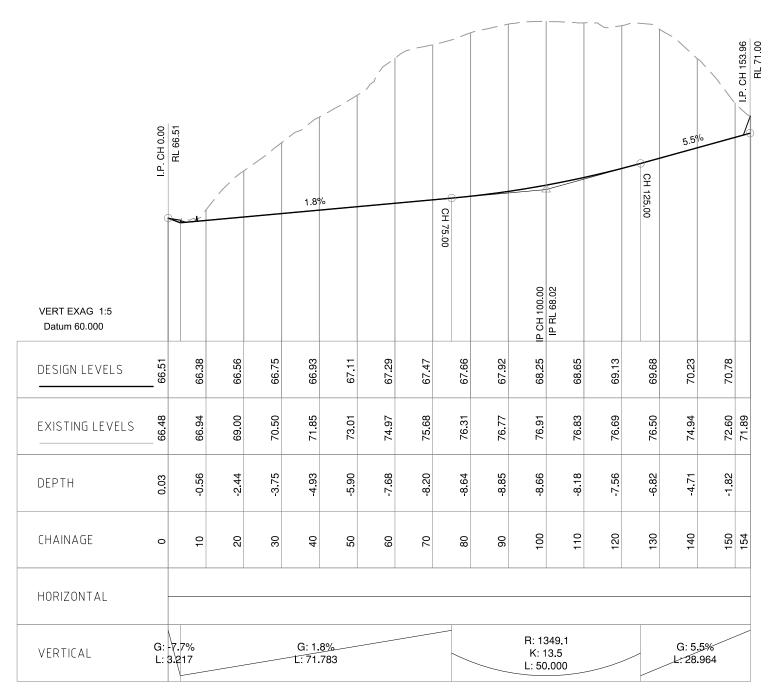


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PROPOSED LONGSECTION - ROAD 3 (CH230-389)

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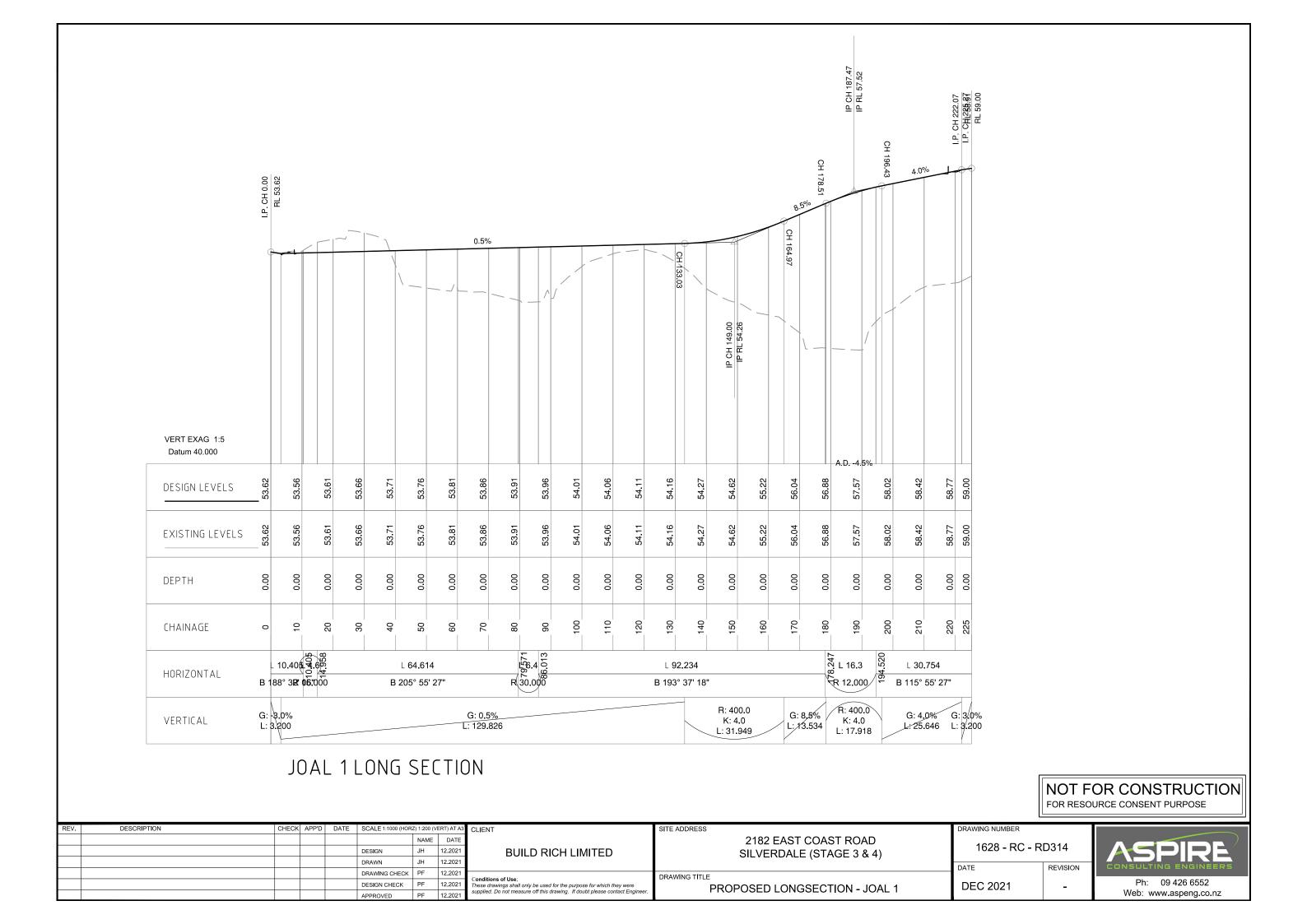


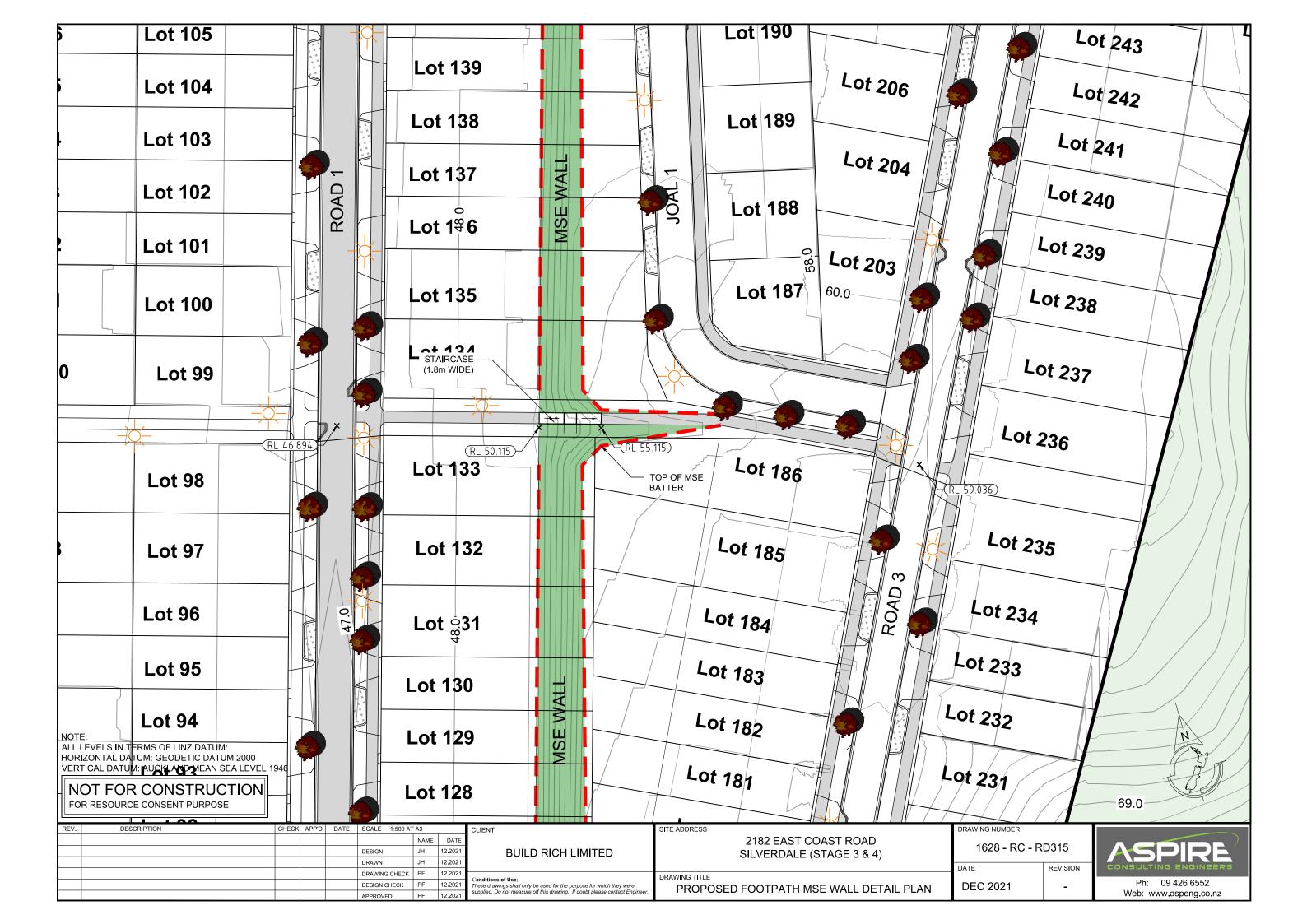
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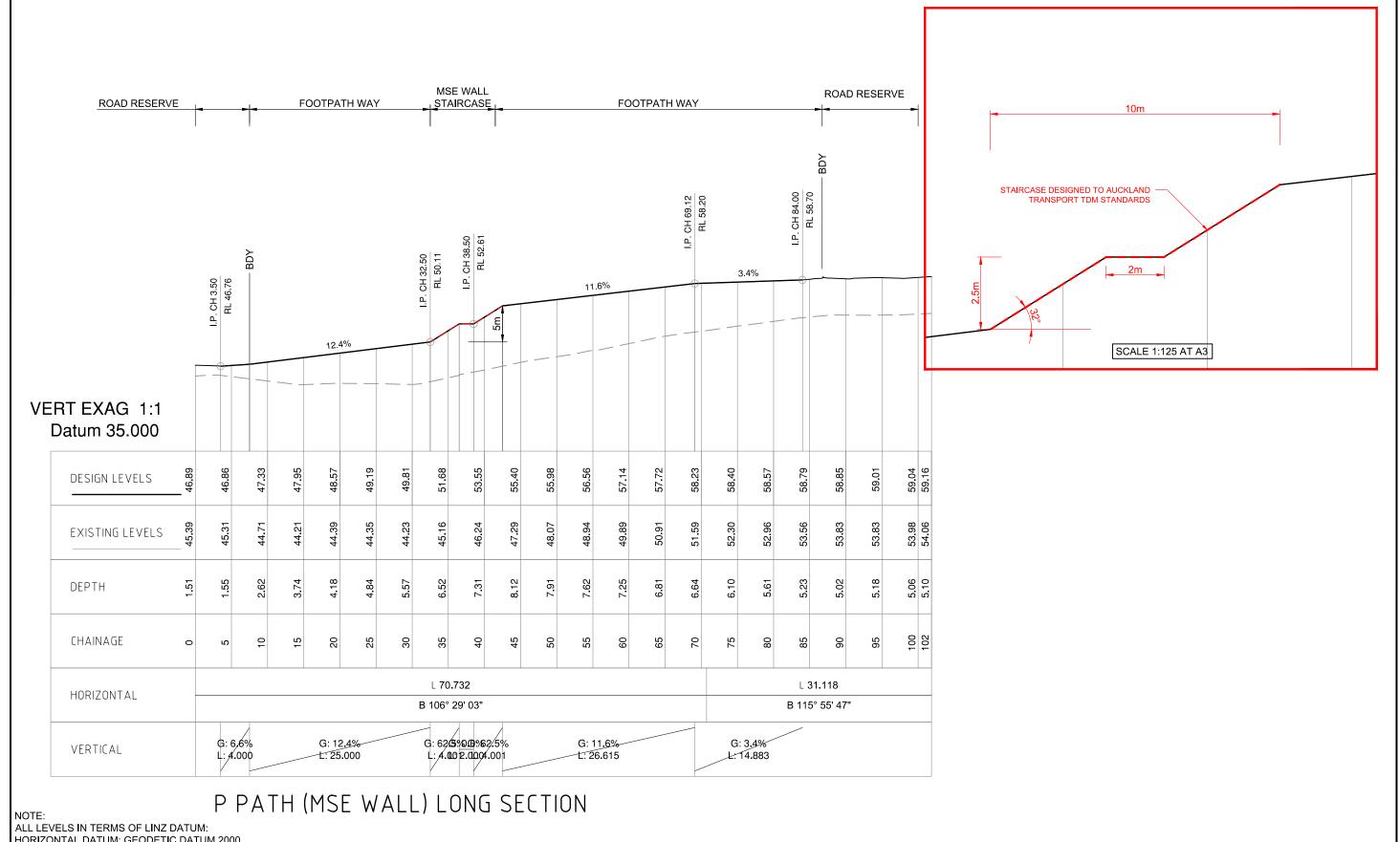
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2182 EAST COAST ROAD
SILVERDALE (STAGE 3 & 4)

PROPOSED LONGSECTION - MSE WALL PATHWAY

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