

GENERAL NOTES:

accordingly.

- 1. This drawing shall only be reproduced in full with approval from a Davis Ogilvie
- 2. Contractor to locate all existing services & verify all dimensions before commencing works. Contractor to protect existing services
- 3. Plans are to be read in conjunction with the Specification, Schedule of Prices and the Nelson Tasman Land Development Manual 2020. Any conflicts are to be brought to the attention of the engineer prior to works proceeding. Engineer to advise contractor
- 4. Prior to any works commencing, contractor is to engage a registered professional surveyor and/or licensed cadastral surveyor to supervise all set out & provide asbuilt plans for review.
- 5. Set out is not to be scaled off the plans. The engineer will provide electronic data for the contractor. Any variations are to be approved by the engineer.
- 6. All plan dimensions are in m. All detail dimensions are in mm. 7. All plans are in terms of the New Zealand GD 2000 Nelson Circuit, and levels are in
- terms of the Nelson Vertical Datum 1955.

DRAINAGE NOTES:

- 1. All roading works shall be carried out in accordance with Davis Ogilvie Specifications, Nelson Tasman Land Development Manual 2020, and specific requirements stipulated within the resource consents.
- 2. Nuclear Densometer testing is to be carried out on M4/AP40 under kerb prior to pouring. Base course metal reaching density of 2200kg/m results to be passed onto engineer for approval.
- 3. All roads to have a minimum of 35 mm DG10 asphalt.
- 4. All ROW entrances to be 30 mm DG7 asphalt on 350 mm metal course made up of 150 mm TNZ M4:AP40 on 200 mm TNZ CAP65.
- 5. All landscaping works are to be carried out in accordance with landscape architects plans and Christchurch City Council's CSS.
- 6. All ROW kerb & channel to be standard kerb & channel. 7. All kerb & channel concrete strength shall be at least 20 MPa at 28 days. Core testing
- shall be taken at positions determined by engineer in accordance with NZS 3109. 8. ROW kerb levels given at sump positions. At street end, kerb is to terminate 50 mm
- higher than sump invert with bull nose.

Proposed gravel road



CAD ref: T:\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 4-Roading

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NELSON

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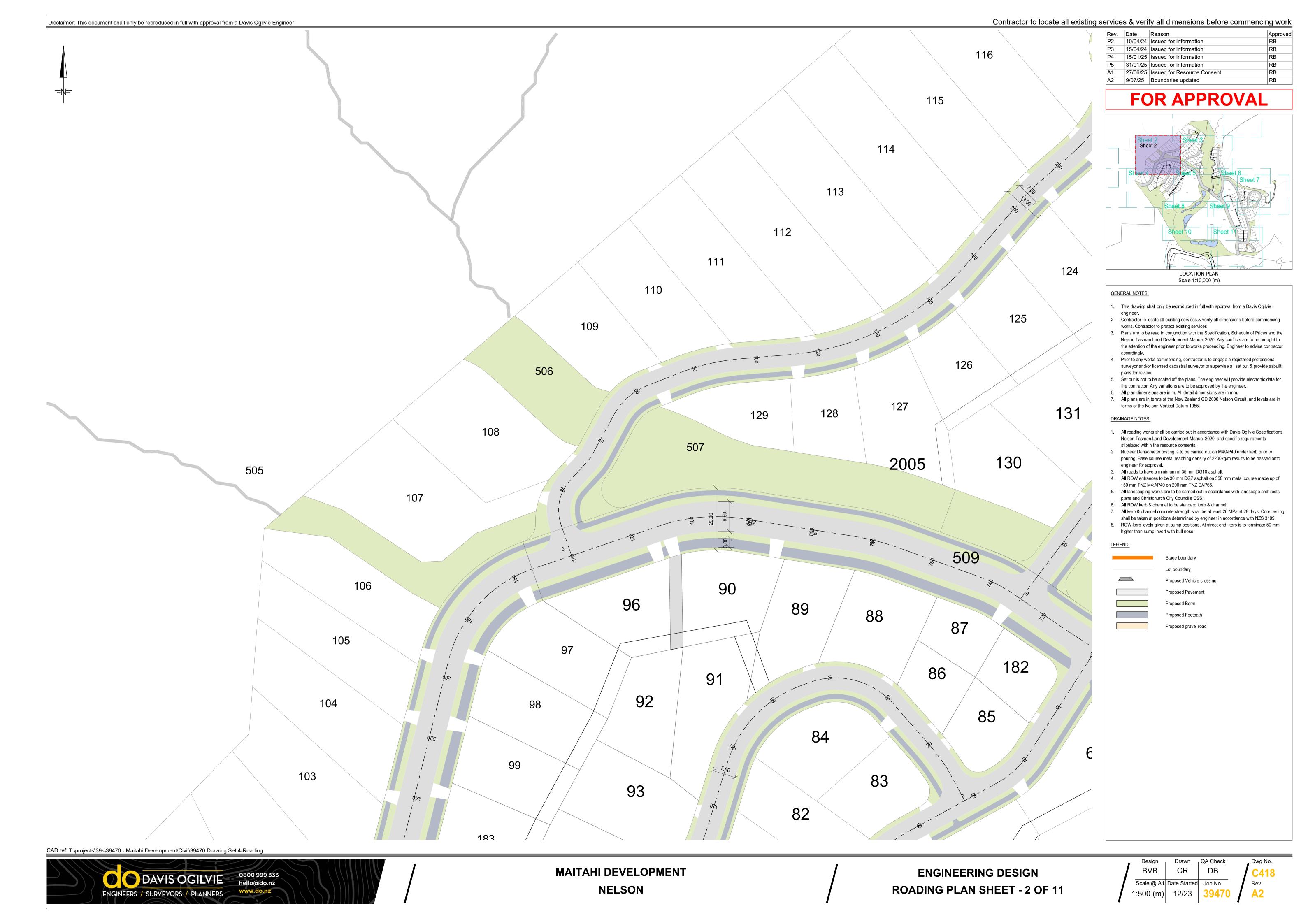
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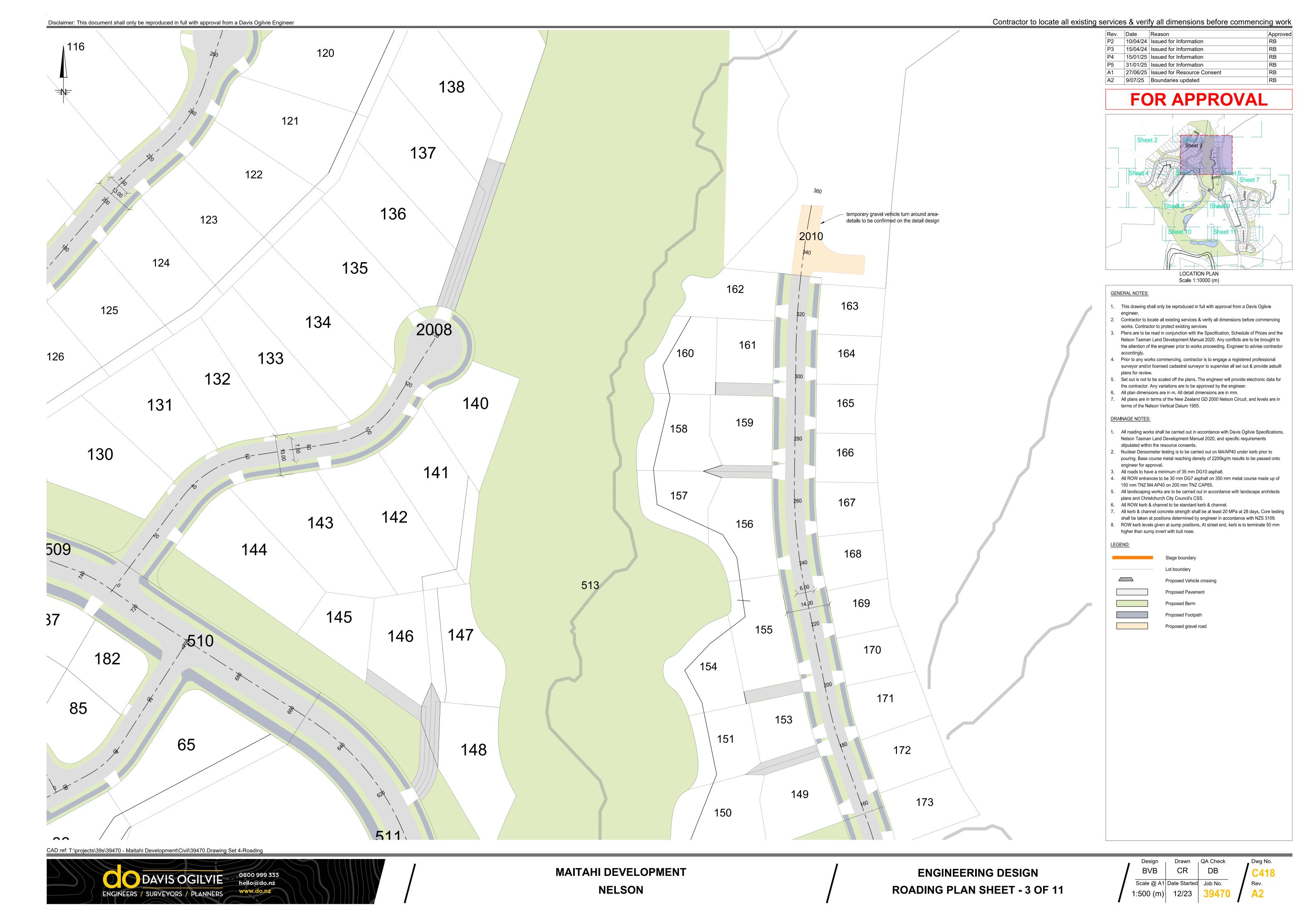
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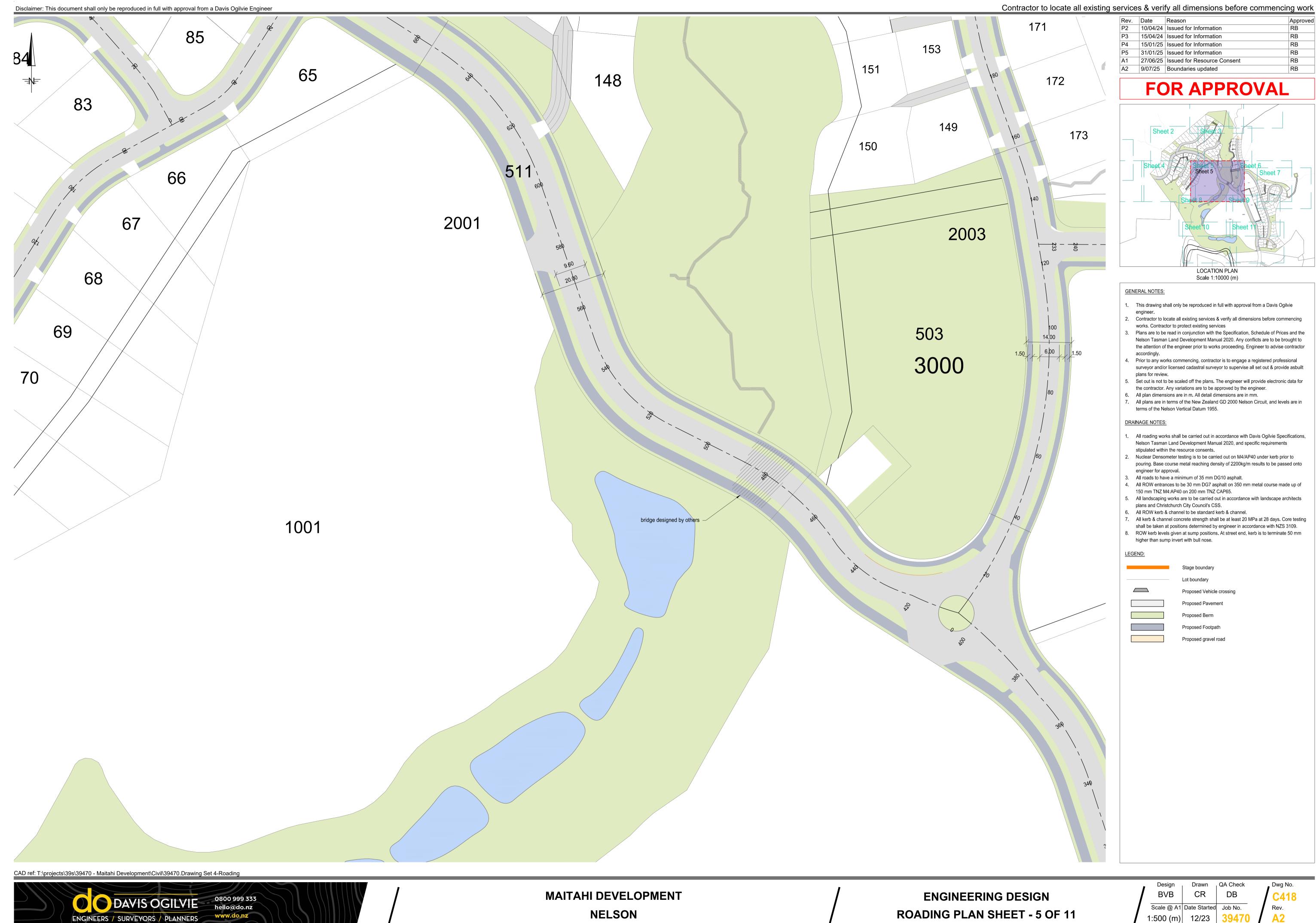
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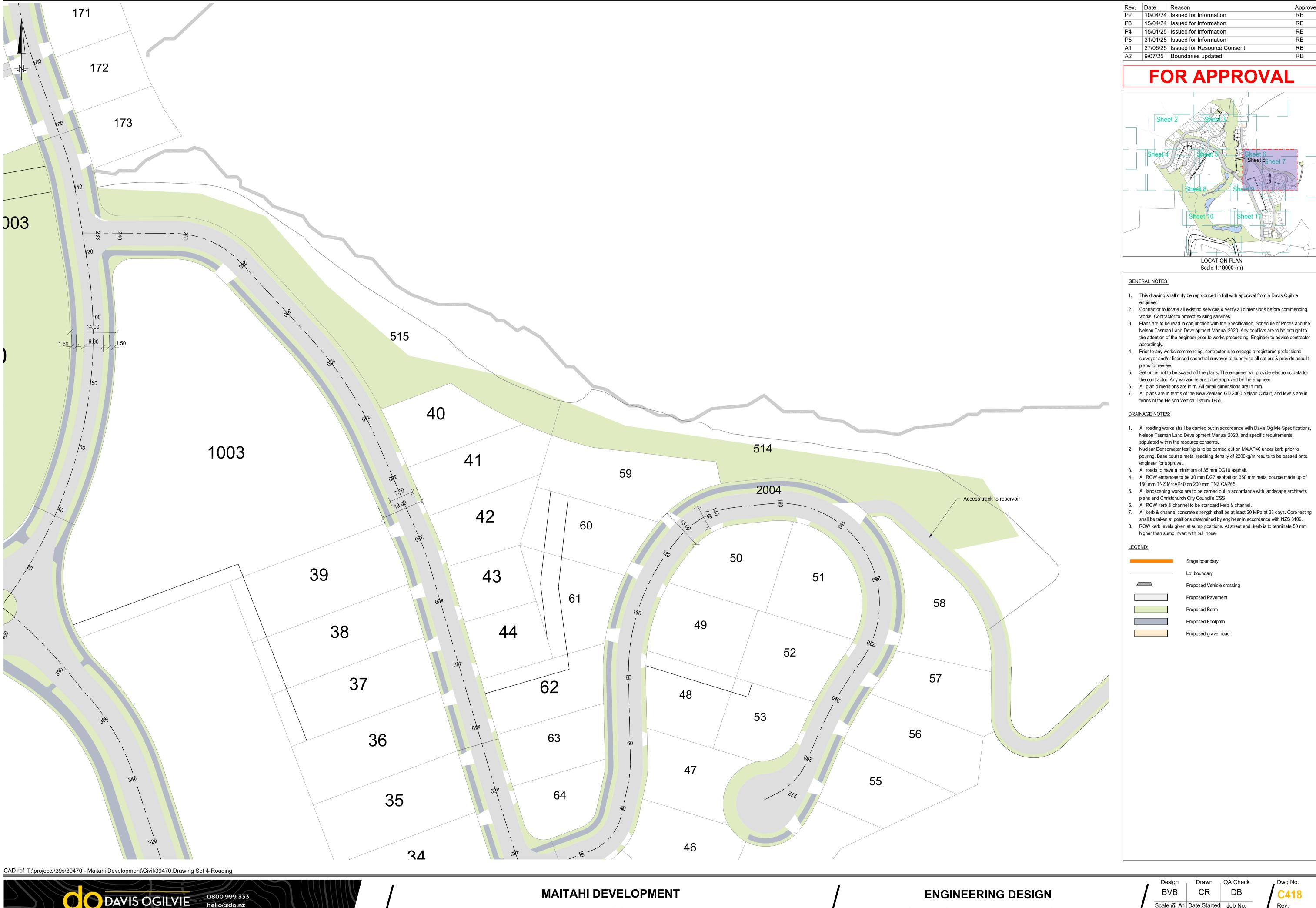
ENGINEERING DESIGN ROADING PLAN SHEET - 1 OF 11

, QA Check BVB CR Scale @ A1 Date Started Job No.









Contractor to locate all existing services & verify all dimensions before commencing work

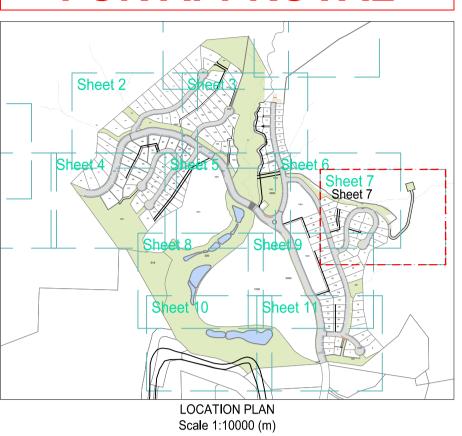
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ENGINEERS / SURVEYORS / PLANNERS



Rev. Date Reason 10/04/24 Issued for Information 15/04/24 Issued for Information 15/01/25 Issued for Information 31/01/25 Issued for Information 27/06/25 Issued for Resource Consent A2 9/07/25 Boundaries updated

FOR APPROVAL



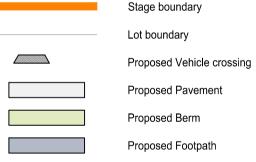
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DRAINAGE NOTES:

- 1. All roading works shall be carried out in accordance with Davis Ogilvie Specifications, Nelson Tasman Land Development Manual 2020, and specific requirements stipulated within the resource consents.
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- shall be taken at positions determined by engineer in accordance with NZS 3109.
- 8. ROW kerb levels given at sump positions. At street end, kerb is to terminate 50 mm higher than sump invert with bull nose.

Proposed gravel road



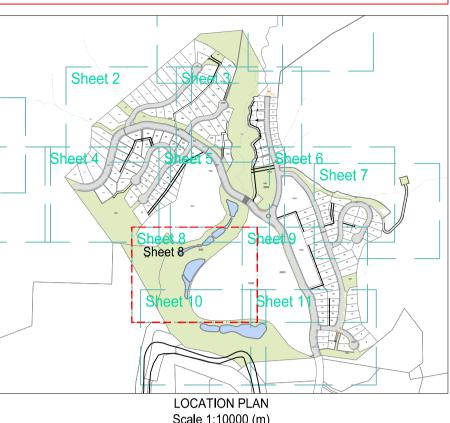
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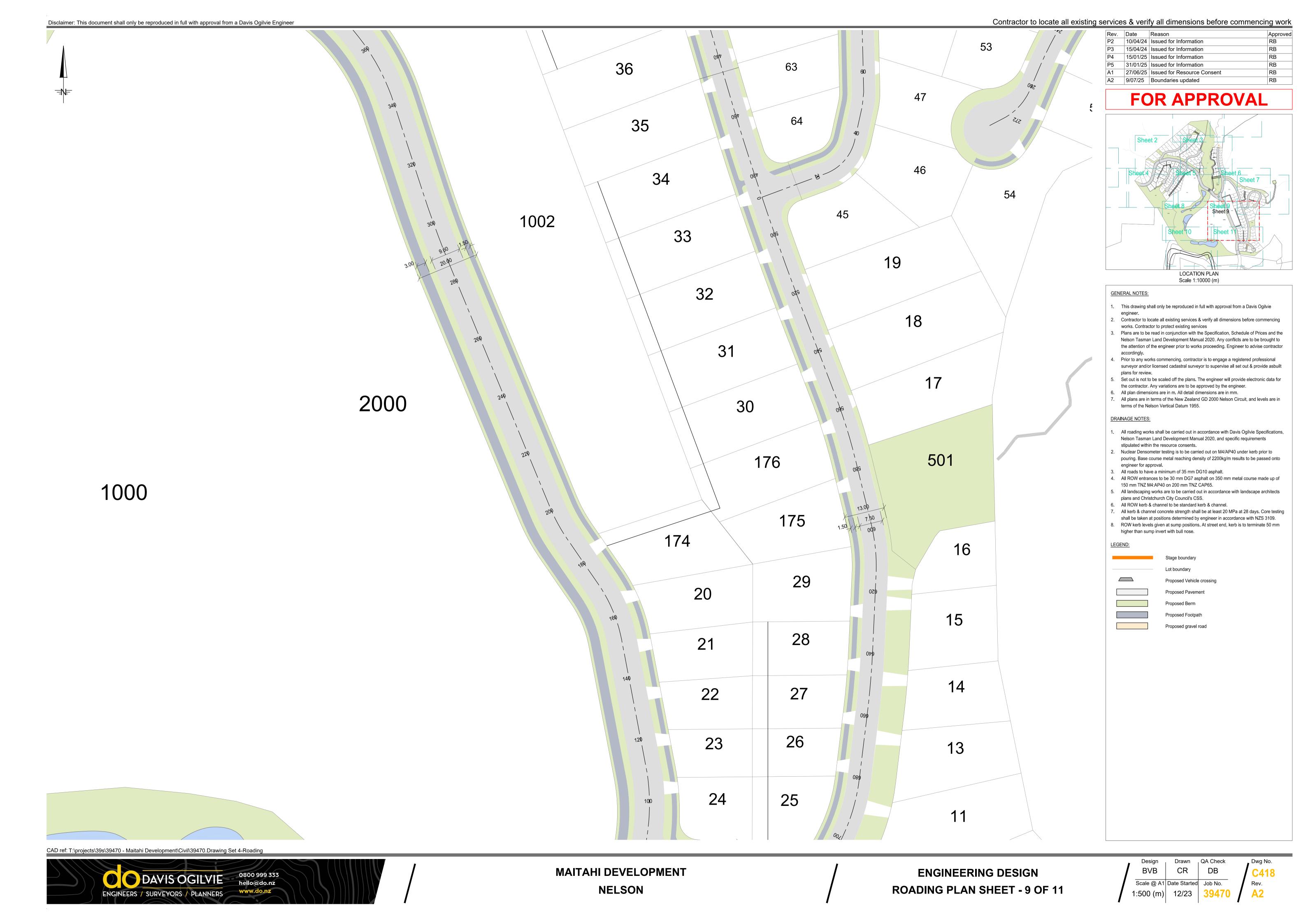
Rev.	Date	Reason	Approve
P2	10/04/24	Issued for Information	RB
P3	15/04/24	Issued for Information	RB
P4	15/01/25	Issued for Information	RB
P5	31/01/25	Issued for Information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

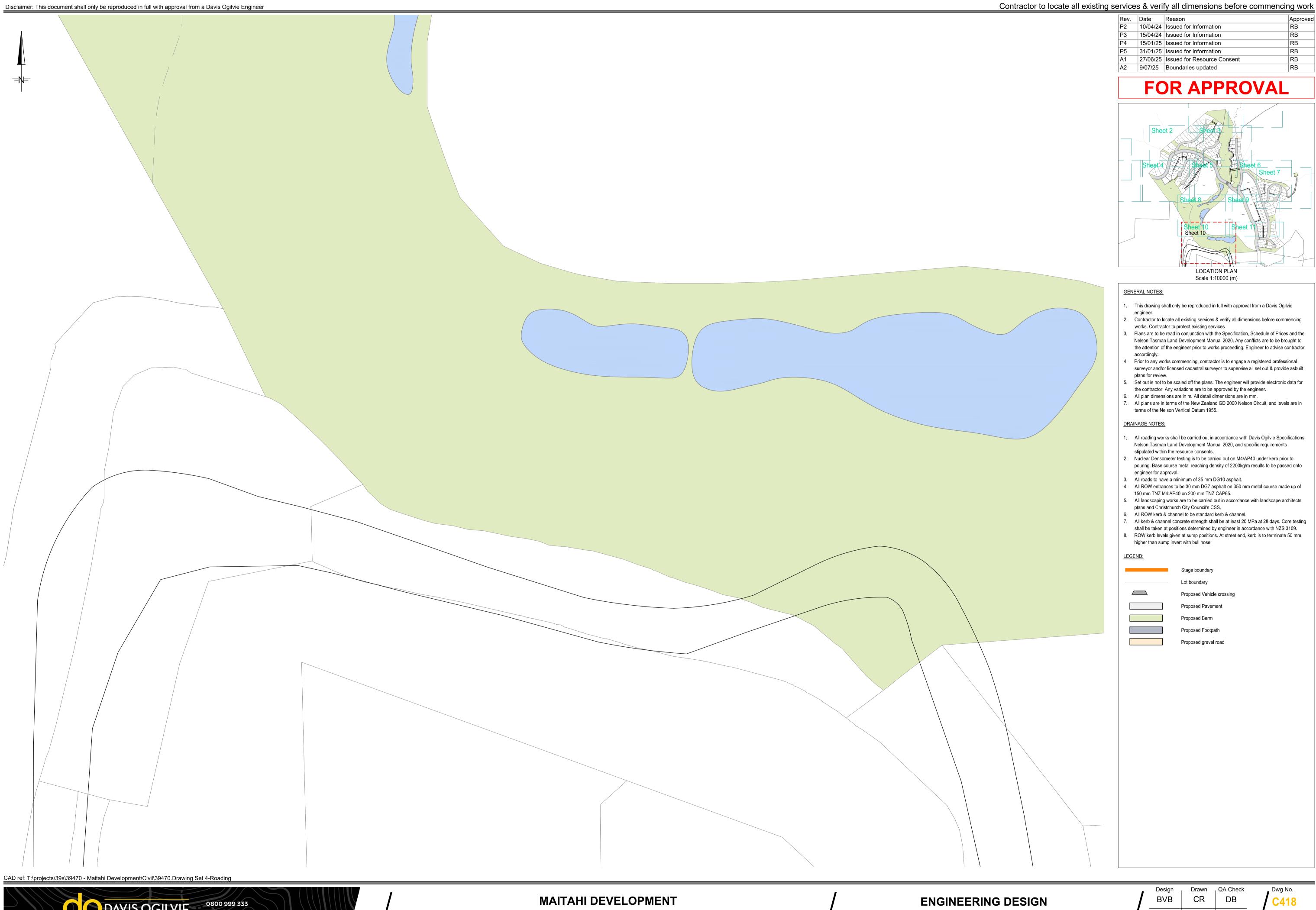


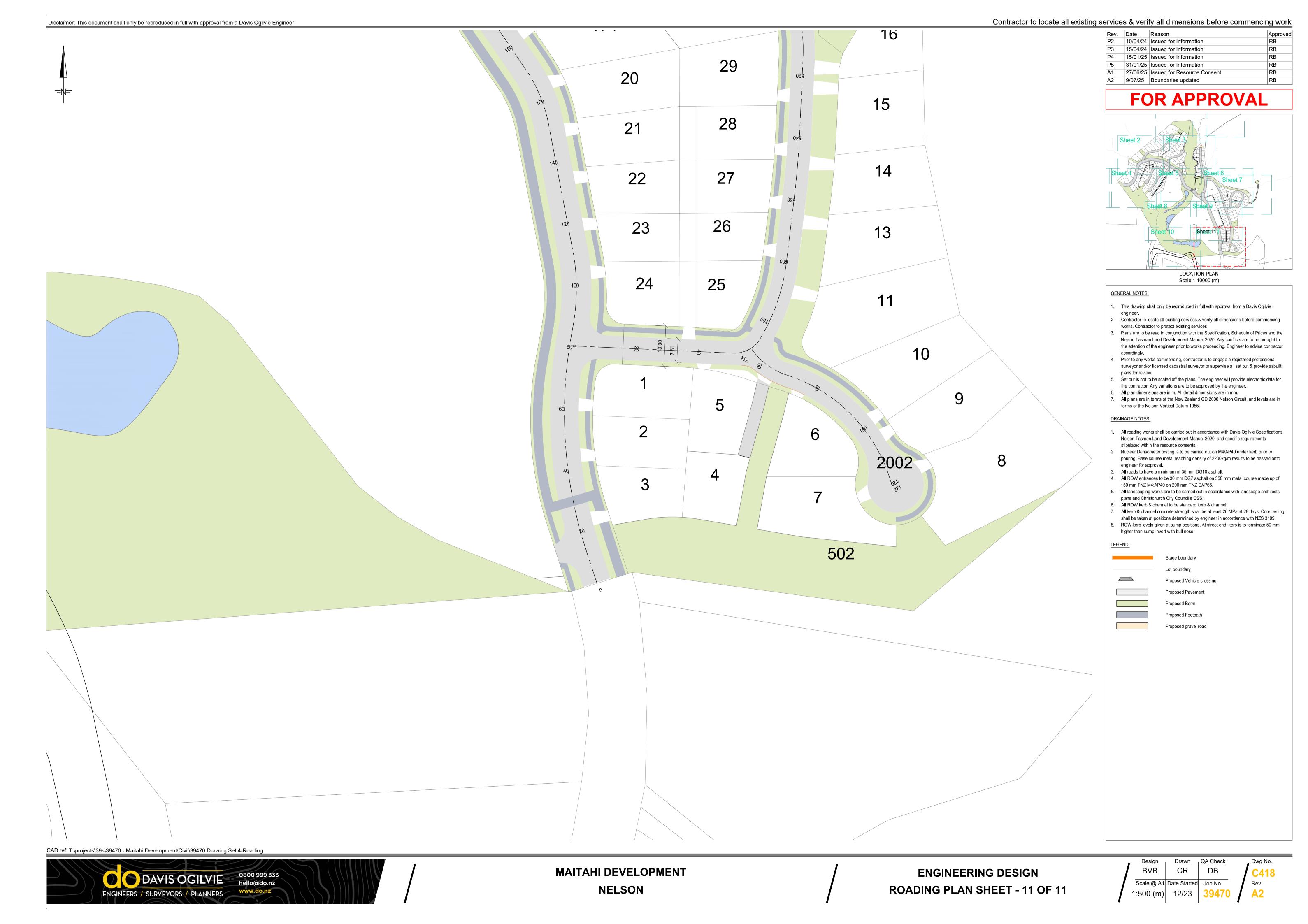
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- Nelson Tasman Land Development Manual 2020, and specific requirements
- pouring. Base course metal reaching density of 2200kg/m results to be passed onto
- 5. All landscaping works are to be carried out in accordance with landscape architects
- 8. ROW kerb levels given at sump positions. At street end, kerb is to terminate 50 mm

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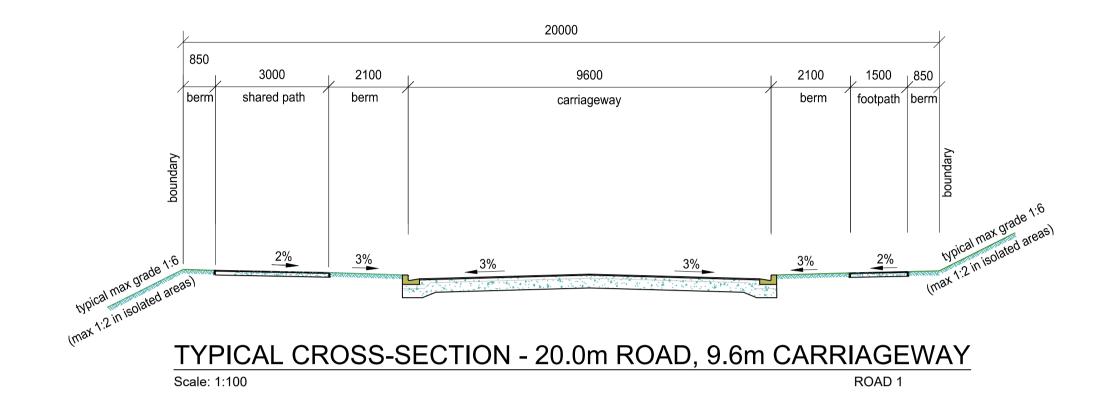
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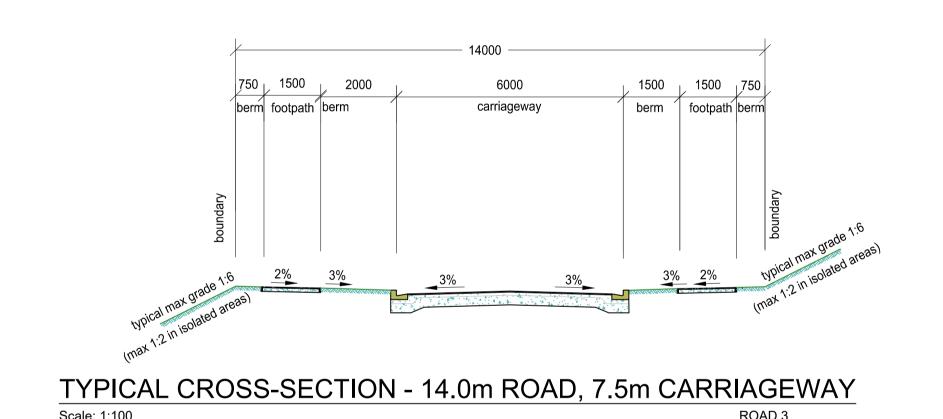


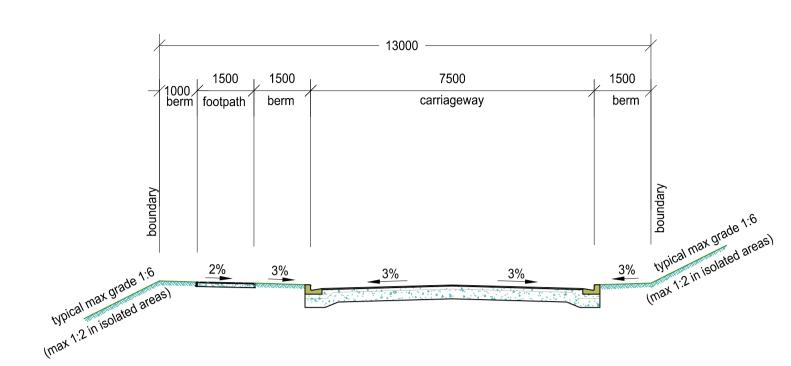




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P5	31/01/25	Issued for Information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Typical details updated	RB



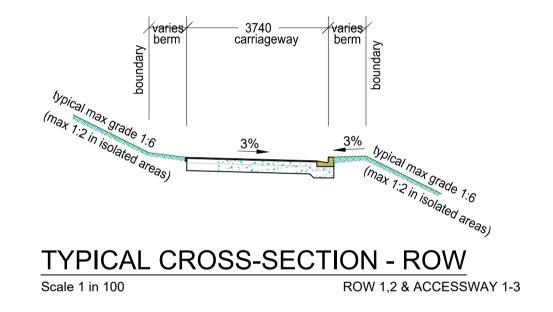


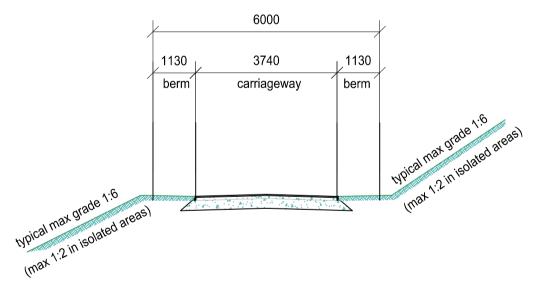


TYPICAL CROSS-SECTION - 13.0m ROAD, 7.5m CARRIAGEWAY

Scale: 1:100

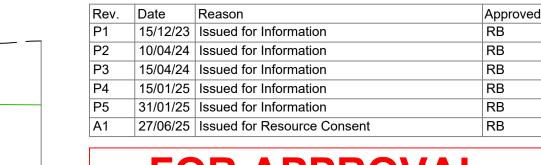
ROAD 2,4-11

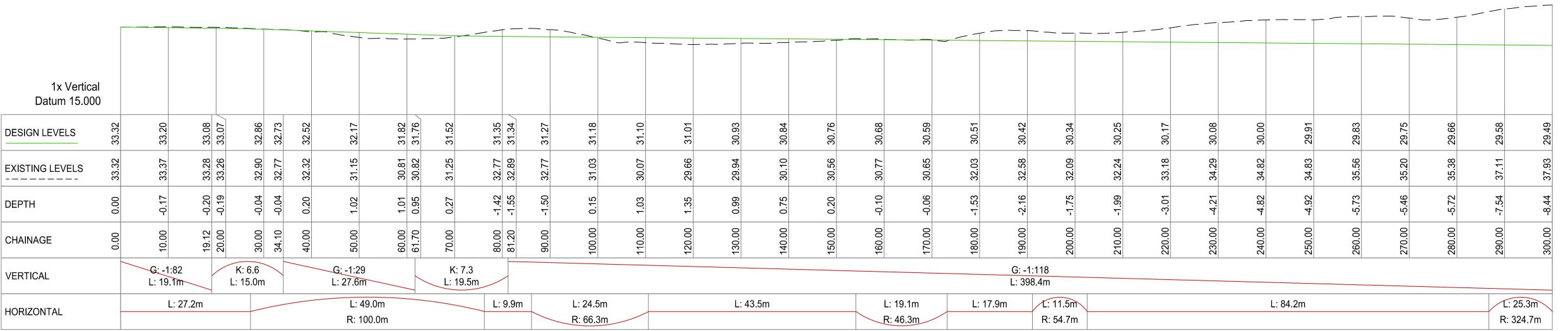




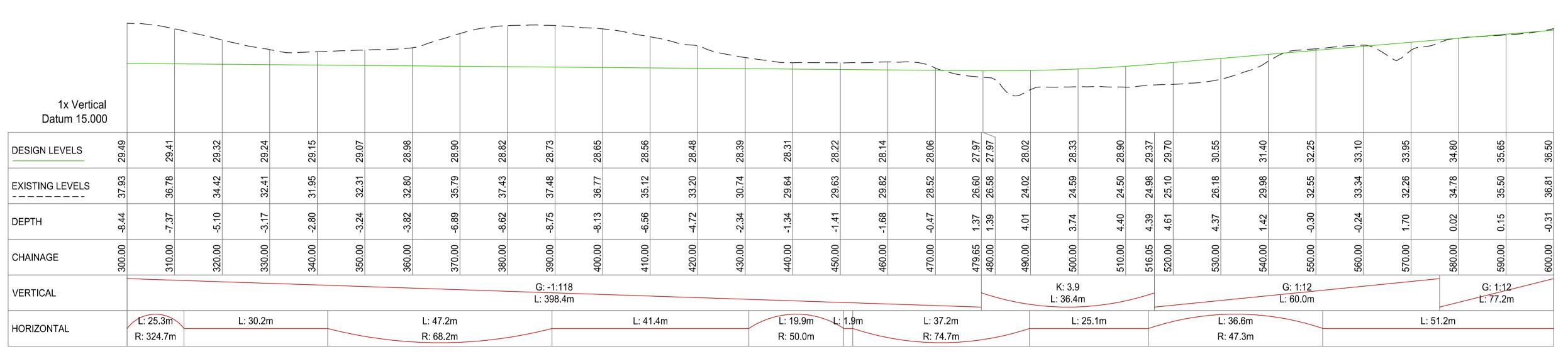
TYPICAL CROSS-SECTION - ACCESS TO TEMPORARY WATER RESERVOIR

Scale 1 in 100

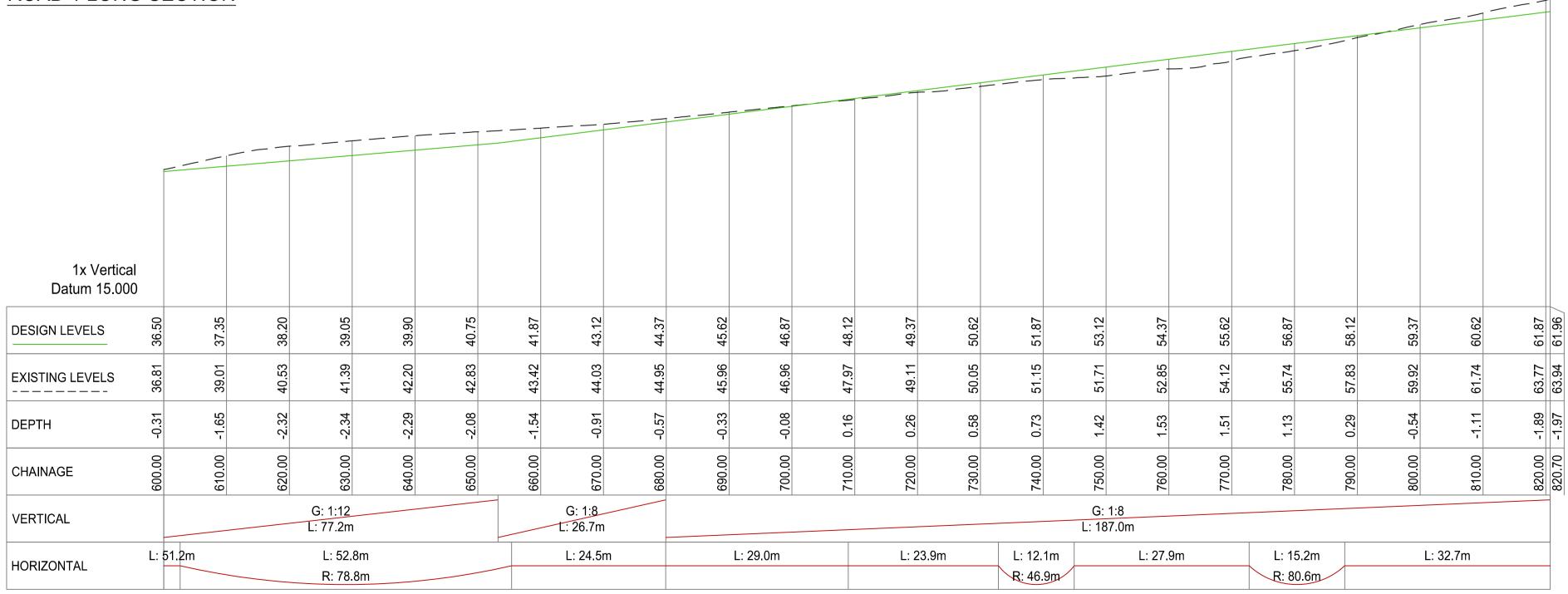




ROAD 1 LONG SECTION



ROAD 1 LONG SECTION



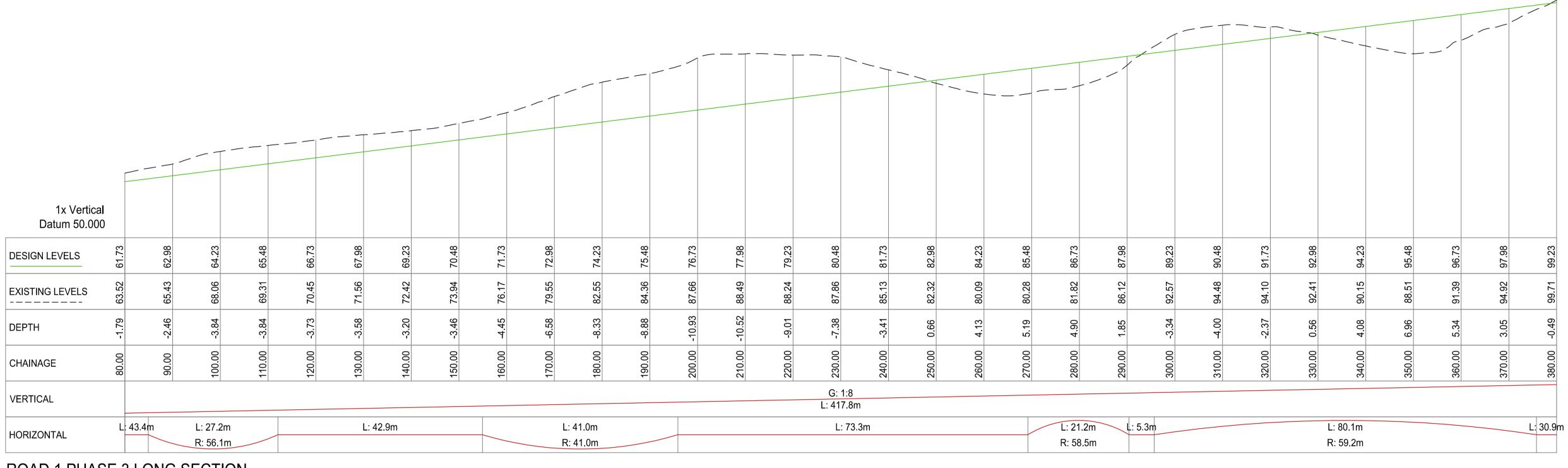
ROAD 1 LONG SECTION

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P1	15/12/23	Issued for Information	RB
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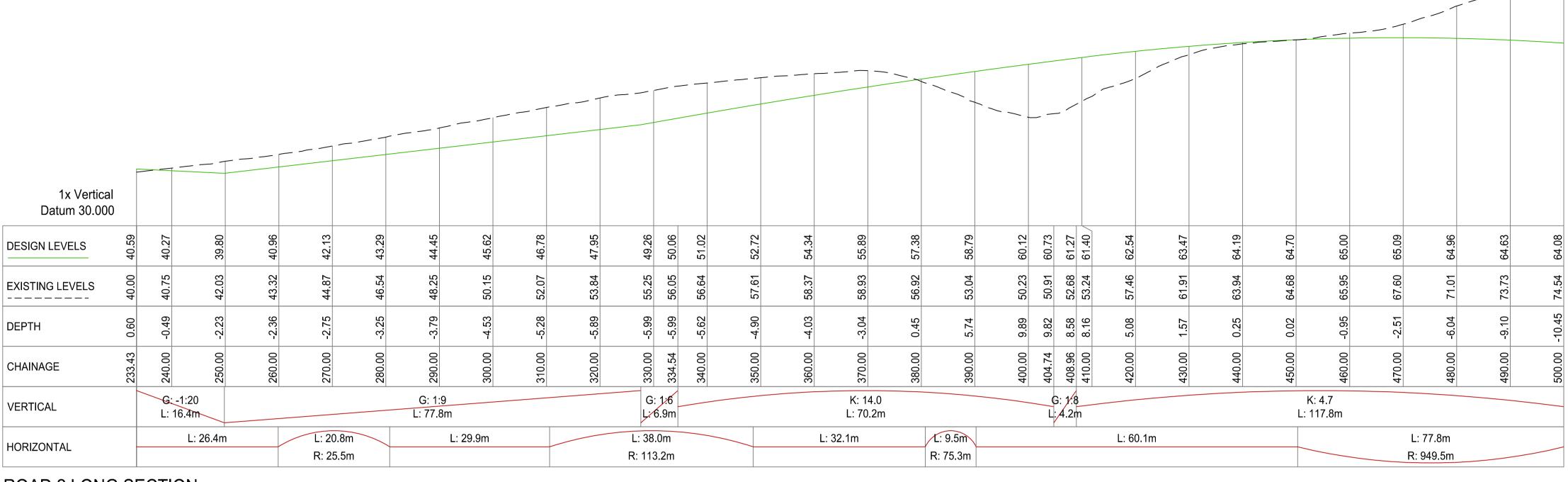
ROAD 1 PHASE 3 LONG SECTION

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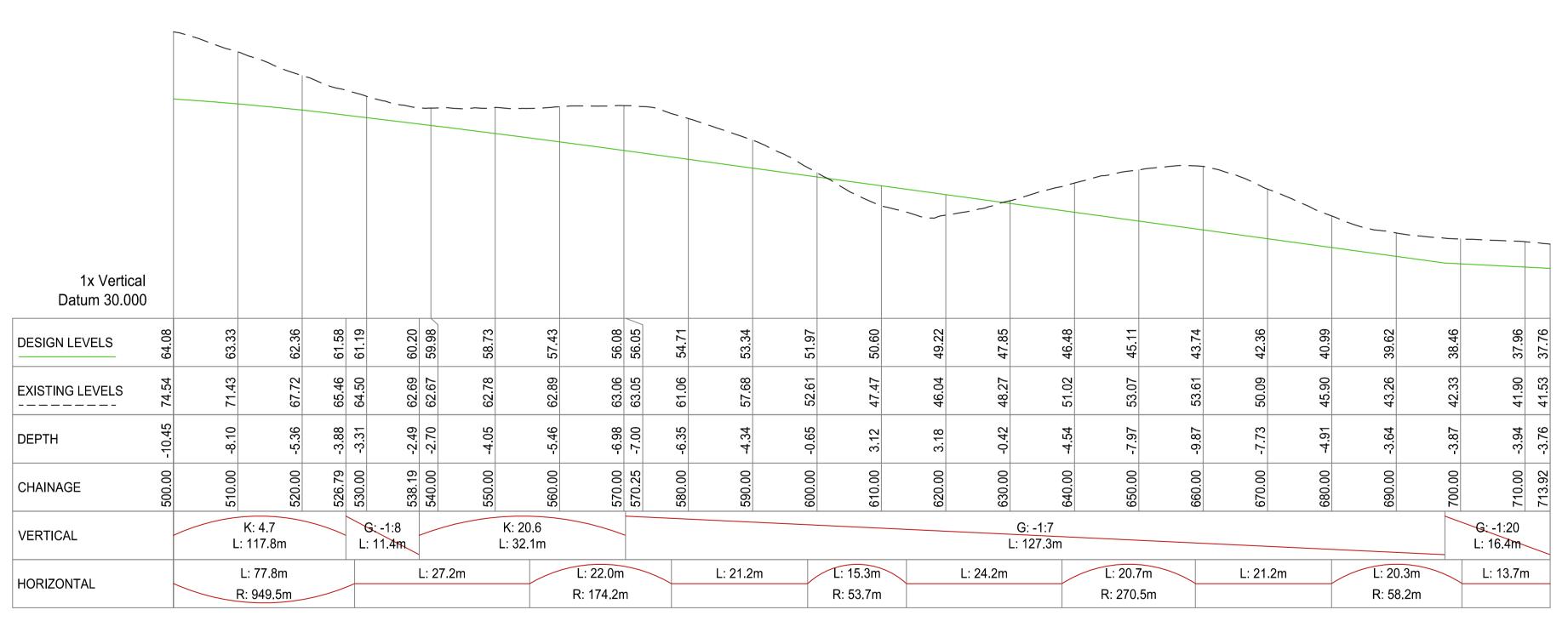
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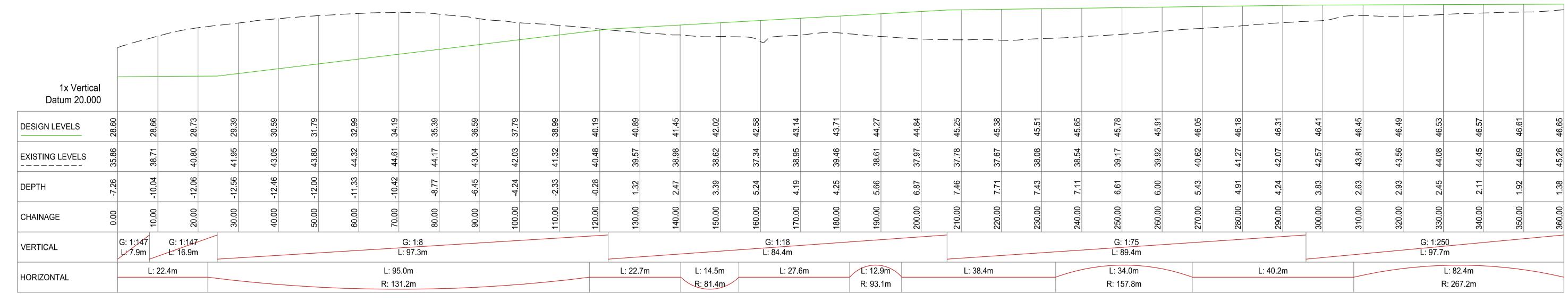


ROAD 2 LONG SECTION

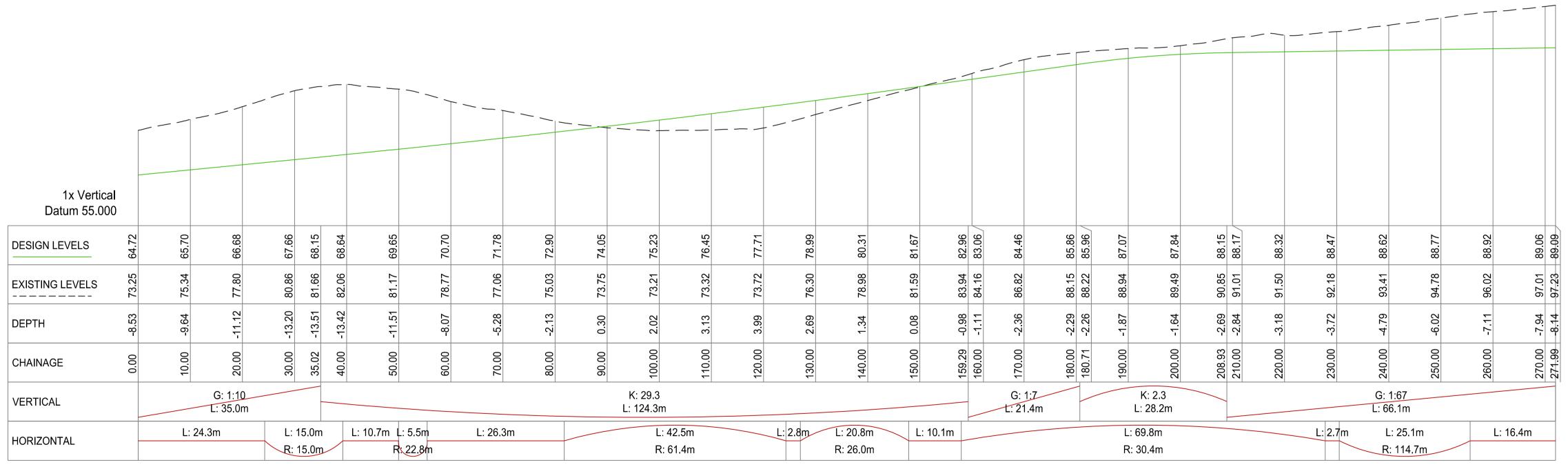


ROAD 2 LONG SECTION

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ROAD 3 LONG SECTION



ROAD 4 LONG SECTION

-1.55

130.00

L: 20.7m

G: 1:43

L: 28.4m

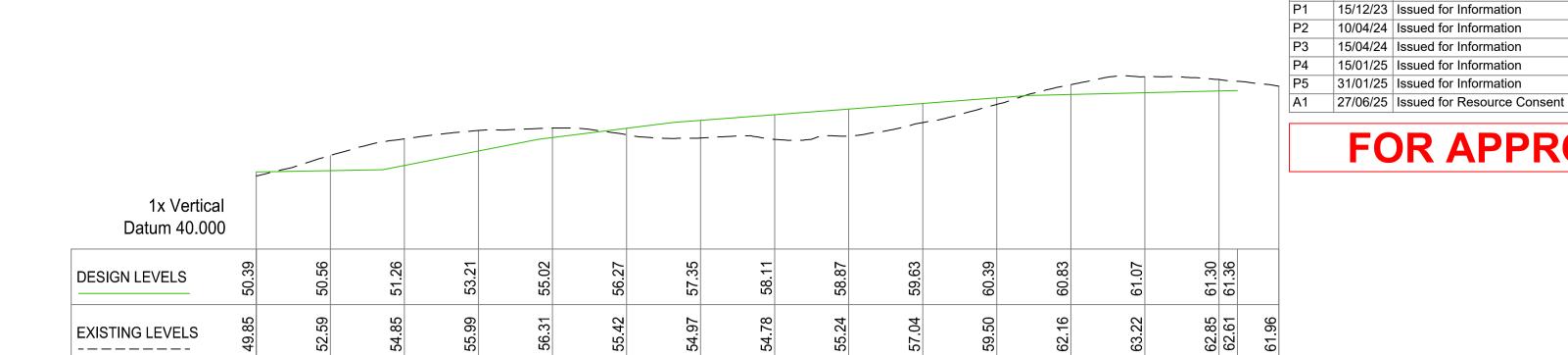
L: 28.0m

R: 30.7m

15/12/23 Issued for Information

10/04/24 Issued for Information

15/04/24 Issued for Information



G: 1:8

L: 25.0m

R: 32.3m

L: 18.3m

70.00

G: 1:13

L: 47.7m

L: 26.4m

FOR APPROVAL

RB

RB

ROAD 5 LONG SECTION

G: 1:205

L. 14.0m

L: 35.9m

G: 1:7

L: 41.4m

L: 23.1m

R: 85.8m

G: 1:5

L: 20.3m

L: 12.4m

1x Vertical

Datum 25.000

DESIGN LEVELS

EXISTING LEVELS

DEPTH

CHAINAGE

VERTICAL

HORIZONTAL

ROAD 8 LONG SECTION

G: 1:59

L: 16.8m

G: 1:5

L: 21.0m

L: 38.0m

DEPTH

CHAINAGE

VERTICAL

HORIZONTAL

																		·		- <u> </u>			
1x Vertica Datum 35.00			— — .																				
DESIGN LEVELS	47.25	47.34	47.55	47.62	47 70	47.77	47.83	47.87	47.91	47.95	47.99	48.03	48.07	48.11	48.15	48.19	48.23	48.27	48.31	48.35	48.39	48.43	48.45
EXISTING LEVELS	47.11	45.85	44.94	44.60	44 93	46.33	48.40	49.34	48.50	47.23	46.47	46.63	47.69	50.23	52.65	53.77	51.82	49.62	48.01	47.06	46.61	46.85	47.68
DEPTH	0.14	1.49	2.61	3.02	2.76	1.44	-0.57	-1.48	-0.59	0.72	1.52	1.39	0.38	-2.12	-4.51	-5.59	-3.60	-1.36	0:30	1.28	1.78	1.58	92.0
CHAINAGE	0.00	10.00	20.00	30.00	40.00	20.00	90.09	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	214.74
VERTICAL		G: 1:34 L: 16.4i			1:132 37.3m				1:250 35,0m				G: 1:250 L: 53.9m						G: 1:250 L: 72.2m				
HORIZONTAL			L: 38	.5m		L: 14.6m R: 29.4m		L: 32	.8m		L: 25.0m R: 48.9m	/		L: 4	17.7m		L: 2.2r R: 36.7			L: 53.9m			

G: 1:7

L: 62.5m

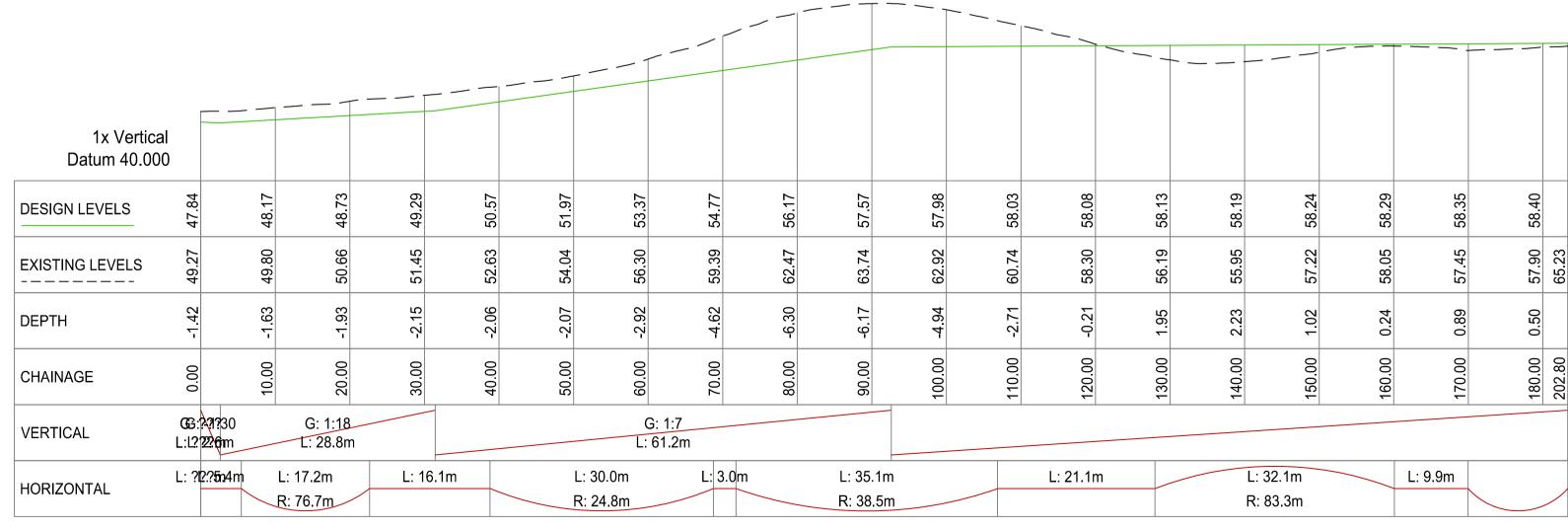
L: 38.3m

R: 50.0m

-2.12 -2.06

L: 12.4m

ROAD 9 LONG SECTION

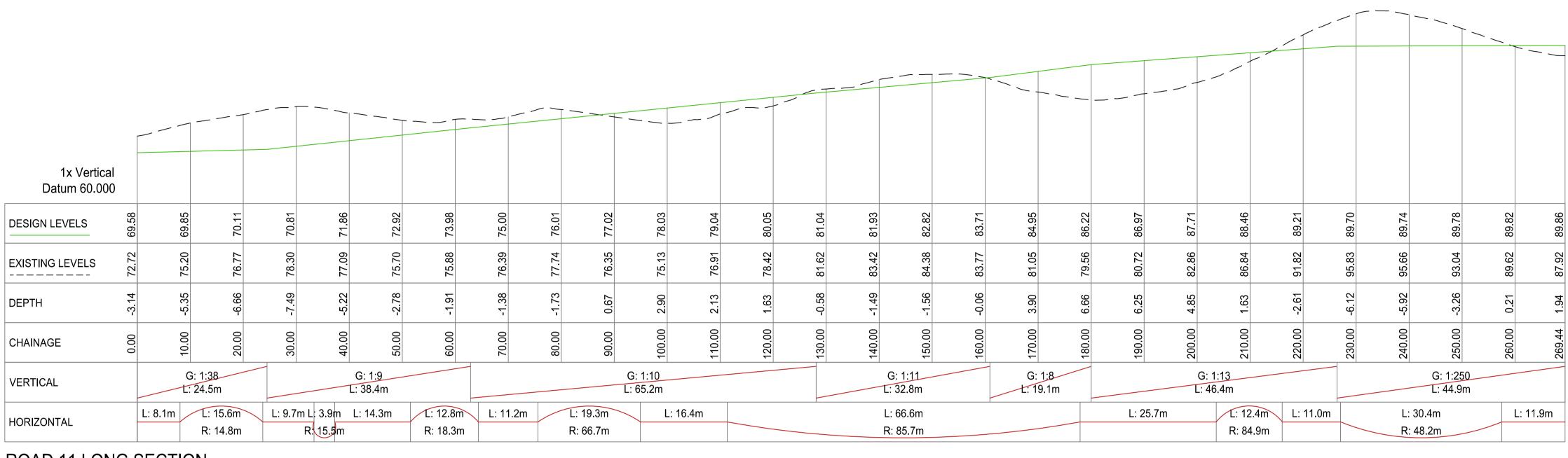


ROAD 10 LONG SECTION

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P2 10/0	2/23 Issued 4/24 Issued	for Information	RB
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P3 15/U	4/24 Issued	for Information	RB
P4 15/0	1/25 Issued	for Information	RB

FOR INFORMATION



ROAD 11 LONG SECTION