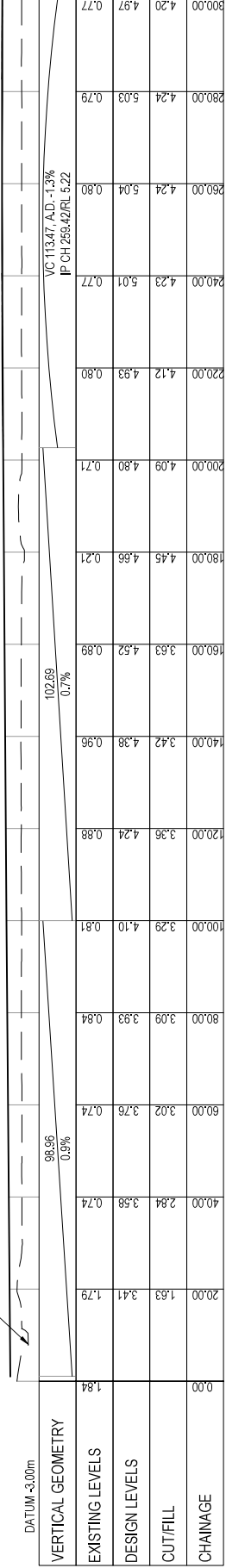
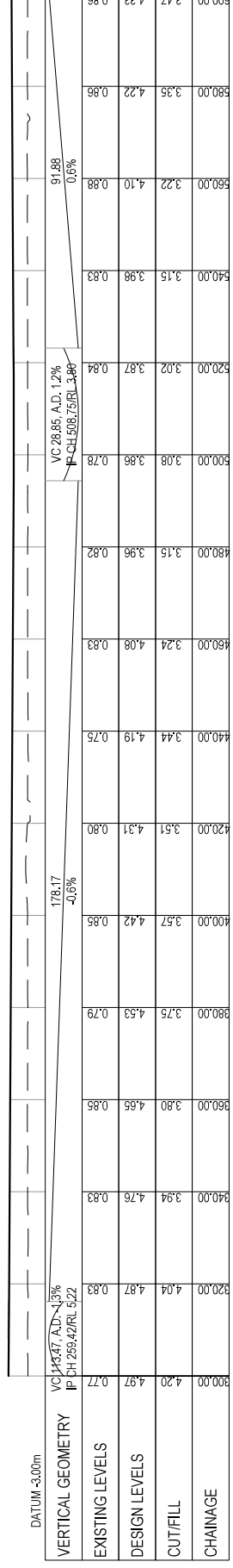


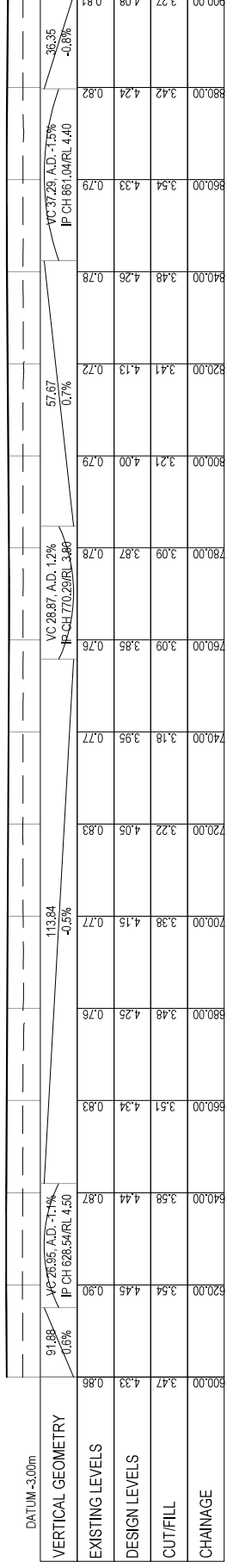
EXISTING DRAIN



PV - Arterial Rd 1A  
SCALE: HORI 1:1000 VERT 1:1000



PV - Arterial Rd 1A (2)  
SCALE: HORI 1:1000 VERT 1:1000



PV - Arterial Rd 1A (3)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	12/25

Survey	MAVEN	16/02/25
Design	AJS	12/25
Drawn	AJS	12/25
Checked	MK	03/26



Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

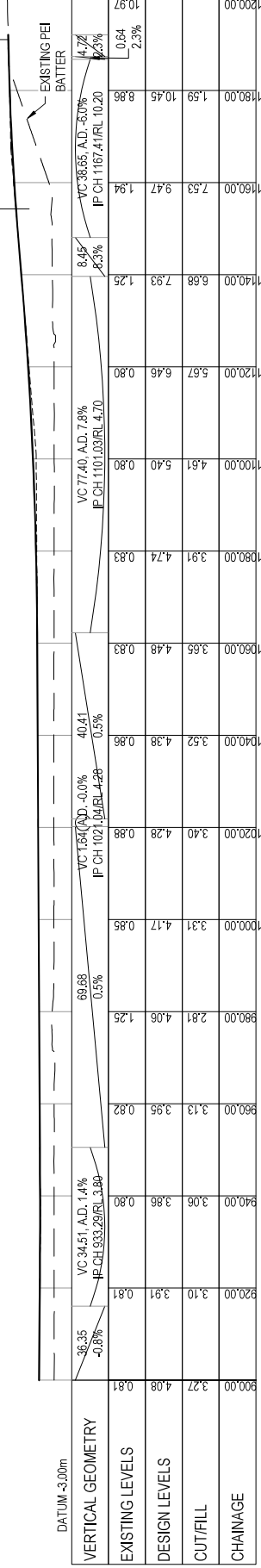
Title  
**PROPOSED ARTERIAL ROAD 1A LONG SECTION PLAN**

Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C320.DWG
Drawing no.	C320-1
Rev	B

**FOR CONSENT**

38.79m  
PEI EXTENT  
TIE INTO EX PEI  
RL = 10.77m

BOUNDARY



PV - Arterial Rd 1A (4)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	12/25
B	FOR CONSENT	ALS	03/26

Survey	Design	Drawn	Checked
MAREN	ALS	ALS	MK
15/02/25	12/25	12/25	03/26

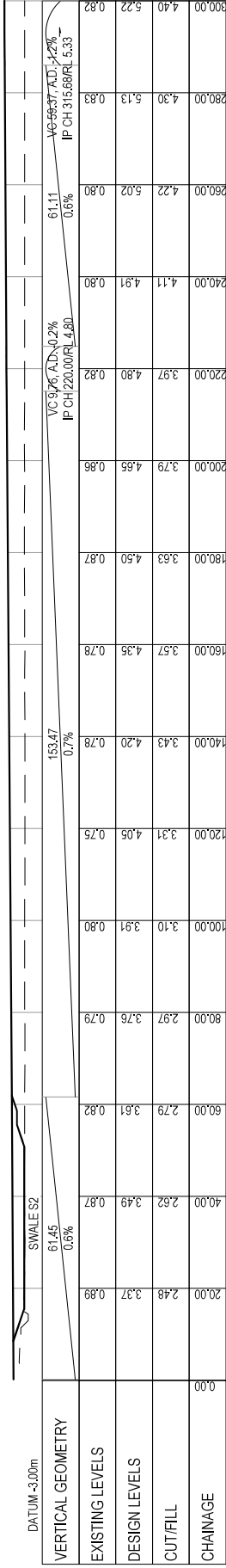
**M A R E N**  
 Maiven Bay of Plenty  
 118 Coleridge Street, Tauranga  
 New Zealand

Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

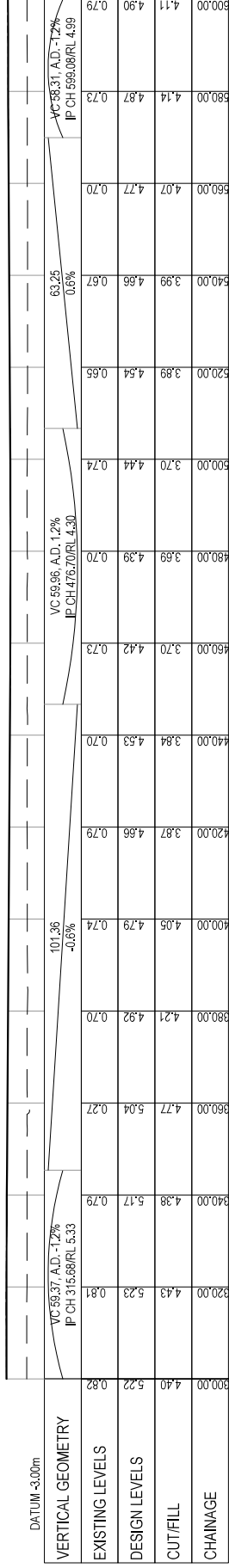
Title  
**PROPOSED**  
**ARTERIAL ROAD 1A**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C320.DWG
Drawing no.	C320-2
Rev	B

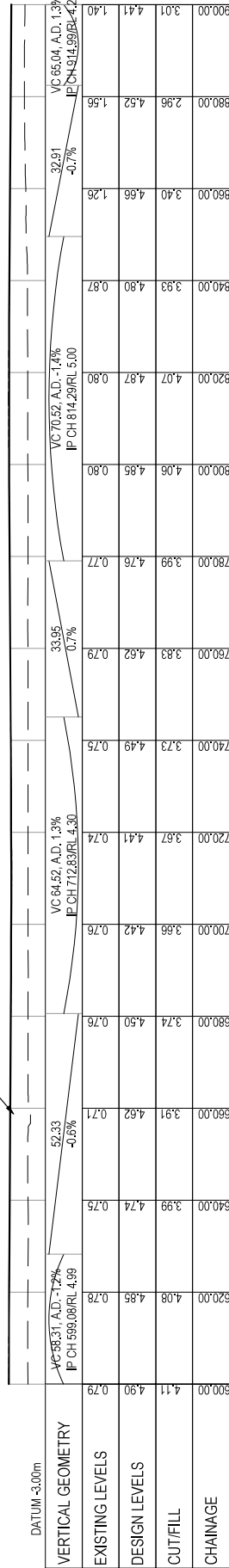
FOR CONSENT



PV - Arterial Rd 1B  
SCALE: HORI 1:1000 VERT 1:1000



PV - Arterial Rd 1B (1)  
SCALE: HORI 1:1000 VERT 1:1000



PV - Arterial Rd 1B (2)  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND

PROPOSED SURFACE  
EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	ALS	03/26
A	DRAFT FOR REVIEW	ALS	12/25

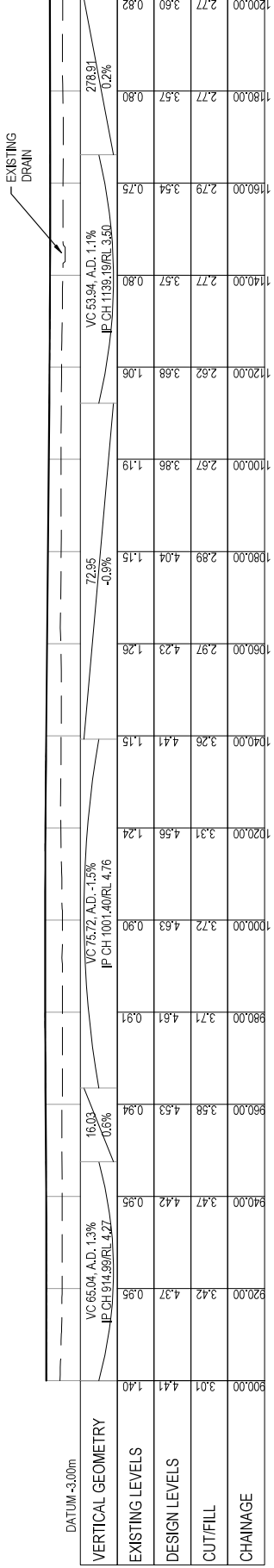
Survey	MAVEN	05/2025
Design	ALS	12/25
Drawn	ALS	12/25
Checked	JK	03/26



Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

Title  
**PROPOSED ARTERIAL ROAD 1B LONG SECTION PLAN**

Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C320.DWG
Drawing no.	C320-3
Rev	B



PV - Arterial Rd 1B (3)  
SCALE: HORI 1:1000 VERT 1:1000

Station	Existing Level	Design Level	Cut/Fill	Chainage
900.00	4.41	4.41	0.95	900.00
920.00	3.42	4.37	0.95	920.00
940.00	3.47	4.42	0.95	940.00
960.00	3.58	4.53	0.94	960.00
980.00	3.71	4.61	0.91	980.00
1000.00	3.72	4.63	0.90	1000.00
1020.00	3.31	4.56	1.24	1020.00
1040.00	3.26	4.41	1.15	1040.00
1060.00	2.97	4.23	1.26	1060.00
1080.00	2.89	4.04	1.15	1080.00
1100.00	2.67	3.86	1.19	1100.00
1120.00	2.62	3.68	1.06	1120.00
1140.00	2.77	3.57	0.80	1140.00
1160.00	2.79	3.54	0.75	1160.00
1180.00	2.77	3.57	0.80	1180.00
1200.00	2.77	3.60	0.82	1200.00

PV - Arterial Rd 1B (4)  
SCALE: HORI 1:1000 VERT 1:1000

Station	Existing Level	Design Level	Cut/Fill	Chainage
1200.00	3.60	2.77	0.82	1200.00
1220.00	3.63	2.91	0.72	1220.00
1240.00	3.66	2.94	0.73	1240.00
1260.00	3.69	3.07	0.82	1260.00
1280.00	3.73	2.96	0.77	1280.00
1300.00	3.76	3.08	0.68	1300.00
1320.00	3.79	3.05	0.74	1320.00
1340.00	3.82	3.09	0.74	1340.00
1360.00	3.86	2.92	0.94	1360.00
1380.00	3.89	3.24	0.65	1380.00
1400.00	3.92	3.26	0.66	1400.00
1420.00	3.96	3.16	0.80	1420.00
1440.00	3.98	3.26	0.73	1440.00
1460.00	4.04	4.04	0.70	1460.00
1480.00	4.10	3.32	0.78	1480.00
1500.00	4.17	3.48	0.69	1500.00

PV - Arterial Rd 1B (5)  
SCALE: HORI 1:1000 VERT 1:1000

Station	Existing Level	Design Level	Cut/Fill	Chainage
1500.00	3.48	3.53	0.69	1500.00
1520.00	4.17	4.24	0.71	1520.00
1540.00	3.56	4.31	0.75	1540.00
1560.00	3.59	4.38	0.79	1560.00
1580.00	3.67	4.45	0.78	1580.00
1600.00	3.63	4.52	0.89	1600.00
1620.00	3.82	4.58	0.76	1620.00
1640.00	3.98	4.65	0.67	1640.00
1660.00	3.00	4.72	1.72	1660.00
1680.00	2.87			1680.00
1700.00	0.62			1700.00
1720.00				1720.00

LEGEND

--- PROPOSED SURFACE  
- - - EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	12/25
B	FOR CONSENT	ALS	03/26

Checked	By	Date
JK	JK	03/26

Drawn	By	Date
ALS	ALS	12/25

Design	By	Date
ALS	ALS	12/25

Survey	By	Date
MAVEN	MAVEN	05/2025

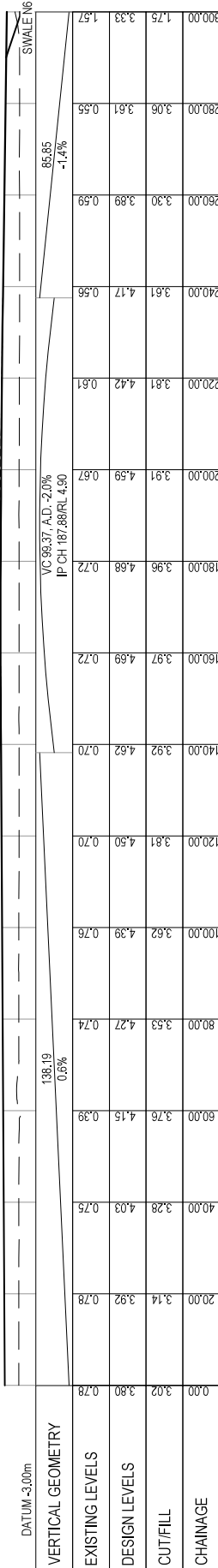


Project  
**WAIKAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title  
**PROPOSED ARTERIAL ROAD 1B LONG SECTION PLAN**

Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C320-DWG
Drawing no.	C320-4
Rev	B

**FOR CONSENT**



PV - Arterial Rd 2  
SCALE: HORI 1:1000 VERT 1:1000

EXISTING BELL RD DRAIN

Vertical Geometry	Existing Levels	Design Levels	Cut/Fill	Chainage
DATUM -3.00m	1.57	3.33	1.75	300.00
VERTICAL GEOMETRY	1.27	3.06	1.78	325.00
EXISTING LEVELS				
DESIGN LEVELS				
CUT/FILL				
CHAINAGE				

PV - Arterial Rd 2 (1)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	ALS	03/26
A	DRAFT FOR REVIEW	ALS	12/25

Survey	MAVEN	16/02/25
Design	ALS	12/25
Drawn	ALS	12/25
Checked	JK	03/26

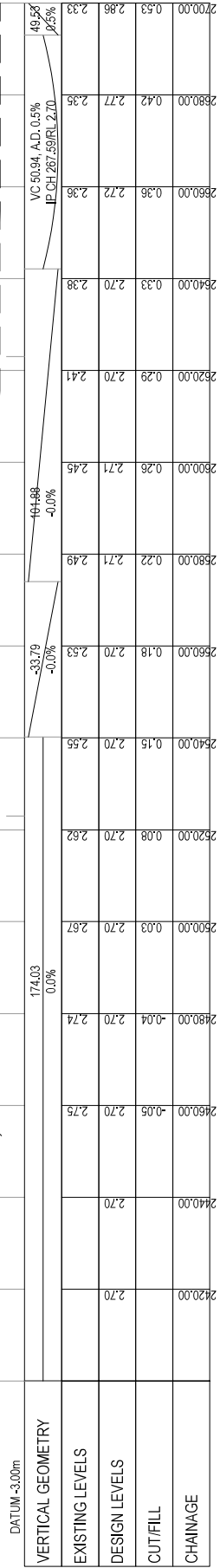
**Maven Bay of Plenty**  
 18 Cameron Street, Tauranga  
 Tauranga, New Zealand  
 www.maven.co.nz

**Project**  
 WAIRAKEI SOUTH FTA090  
 DEVELOPMENT  
 BELL ROAD, PAPAMOA  
 FOR BELL ROAD  
 LIMITED PARTNERSHIP

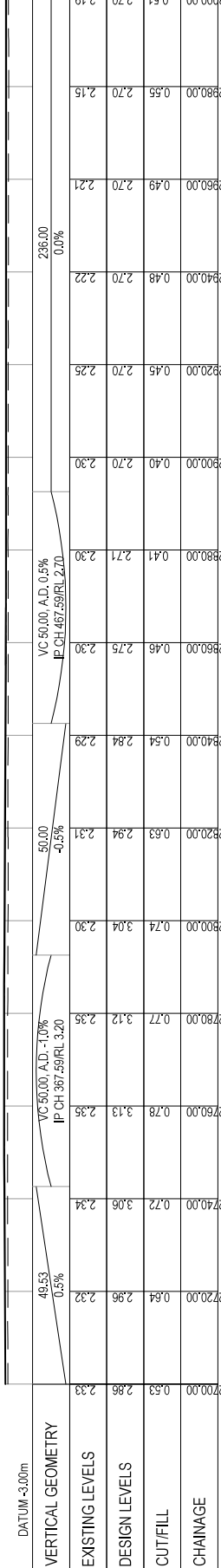
**Title**  
 PROPOSED  
 ARTERIAL ROAD 2  
 LONG SECTION PLAN

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C320.DWG
Drawing no.	C320-5
Rev	B

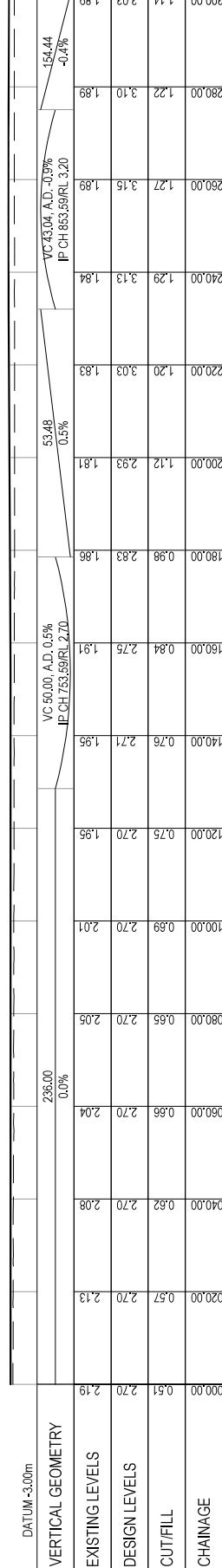
FOR CONSENT



PV - Bell Road  
SCALE: HORI 1:1000 VERT 1:1000



PV - Bell Road (1)  
SCALE: HORI 1:1000 VERT 1:1000



PV - Bell Road (2)  
SCALE: HORI 1:1000 VERT 1:1000

**FOR CONSENT**

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	12/25
B	FOR CONSENT	ALS	03/26

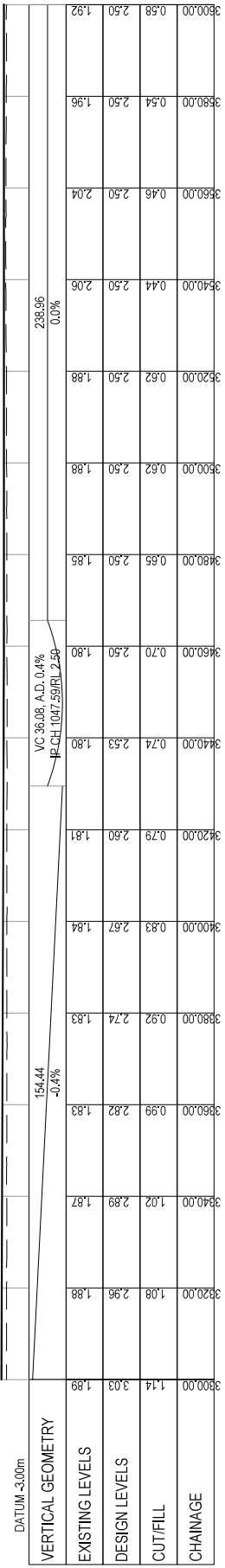
Survey	MAVEN	16/02/25
Design	ALS	12/25
Drawn	ALS	12/25
Checked	JK	03/26



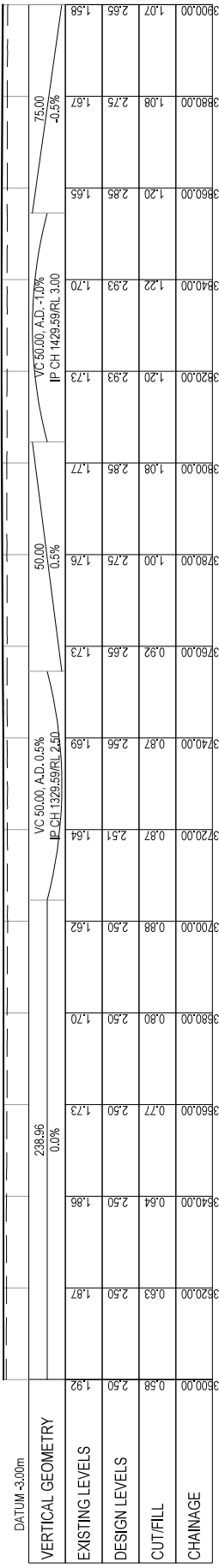
Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

Title  
**PROPOSED**  
**BELL ROAD**  
**LONG SECTION PLAN**

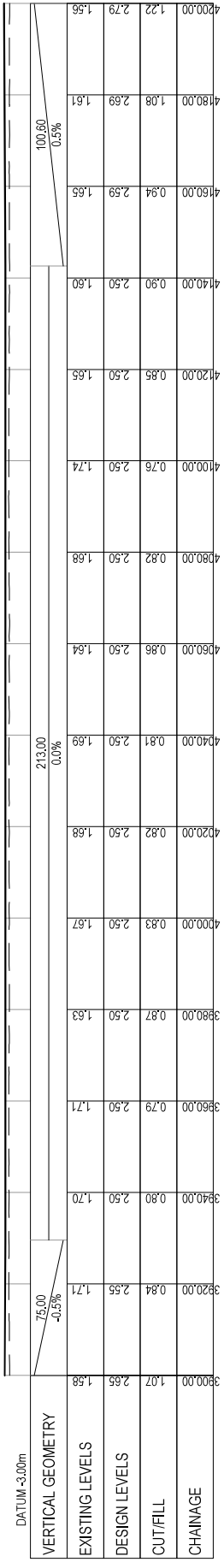
Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C320.DWG
Drawing no.	C321-1
Rev	B



PV - Bell Road (3)  
SCALE: HORI 1:1000 VERT 1:1000



PV - Bell Road (4)  
SCALE: HORI 1:1000 VERT 1:1000



PV - Bell Road (5)  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND  
— PROPOSED SURFACE  
- - - EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	12/25
B	FOR CONSENT	ALS	03/26

Survey	MAVEN	Date	15/02/25
Design	ALS	Date	12/25
Drawn	ALS	Date	12/25
Checked	HK	Date	03/26



Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

Title  
**PROPOSED**  
**BELL ROAD**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C320.DWG
Drawing no.	C321-2
Rev	B

DATUM = 3.00m

VERTICAL GEOMETRY

EXISTING LEVELS

DESIGN LEVELS

CUT/FILL

CHAINAGE

PV - Bell Road (6)  
SCALE: HORI 1:1000 VERT 1:1000

Chainage (m)	Existing Level (m)	Design Level (m)	Cut/Fill (m)	Chainage (m)	Existing Level (m)	Design Level (m)	Cut/Fill (m)	Chainage (m)	Existing Level (m)	Design Level (m)	Cut/Fill (m)	Chainage (m)	Existing Level (m)	Design Level (m)	Cut/Fill (m)
4200.00	2.79	1.56	1.22	4220.00	1.56	2.88	1.32	4240.00	1.59	2.98	1.40	4260.00	1.58	2.94	1.38
4260.00	1.56	2.94	1.38	4280.00	1.50	2.87	1.27	4300.00	1.61	2.80	1.19	4320.00	1.70	2.73	1.03
4340.00	1.72	2.65	0.94	4360.00	1.67	2.58	0.92	4400.00	1.69	2.44	0.75	4420.00	1.70	2.37	0.67
4440.00	1.70	2.30	0.60	4460.00	1.86	2.23	0.36	4480.00	1.93	2.15	0.22	4500.00	1.89	2.14	0.19

100.50  
0.5%

285.36  
-0.4%

LEGEND

— PROPOSED SURFACE  
— EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	12/25

Survey	MAVEN	05/2025
Design	AJS	12/25
Drawn	AJS	12/25
Checked	MK	03/28



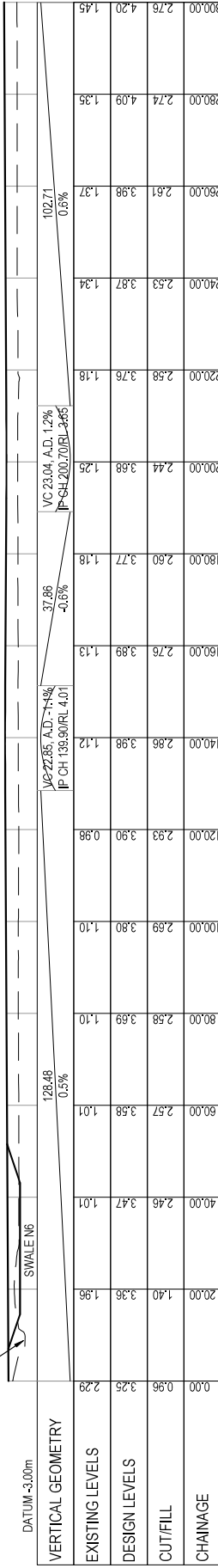
**Project**  
WAIRAKEI SOUTH FTA090  
DEVELOPMENT  
BELL ROAD, PAPAMOA  
FOR BELL ROAD  
LIMITED PARTNERSHIP

**Title**  
PROPOSED  
BELL ROAD  
LONG SECTION PLAN

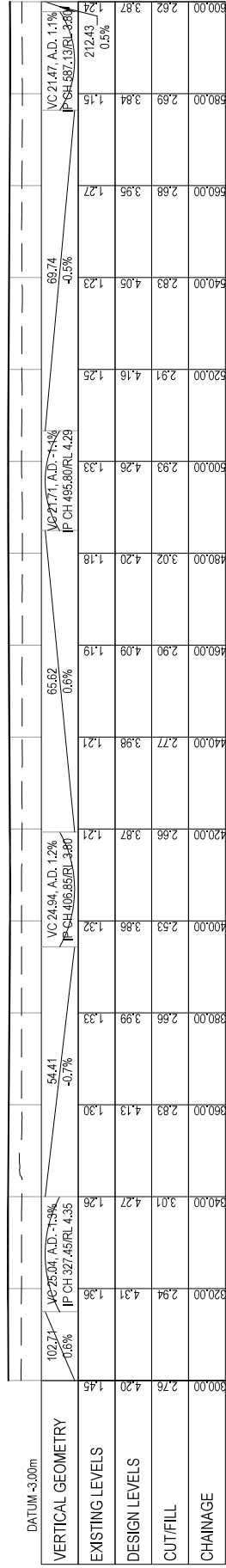
Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C320.DWG
Drawing no.	C321-3
Rev	B

FOR CONSENT

EXISTING BELL  
RD DRAIN

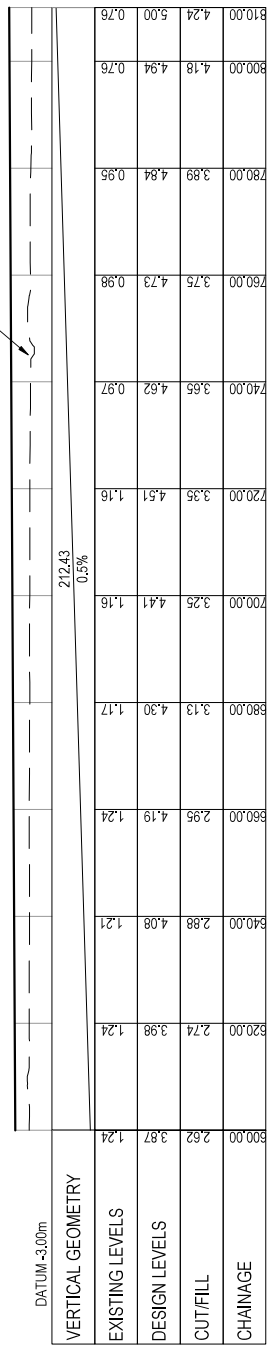


PV - Collector Rd C1A  
SCALE: HORI 1:1000 VERT 1:1000



PV - Collector Rd C1A (1)  
SCALE: HORI 1:1000 VERT 1:1000

EXISTING  
DRAIN



PV - Collector Rd C1A (2)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND

PROPOSED SURFACE  
EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	12/25
B	FOR CONSENT	ALS	03/26

Survey	MAVEN	05/2025
Design	ALS	12/25
Drawn	ALS	12/25
Checked	JK	03/26



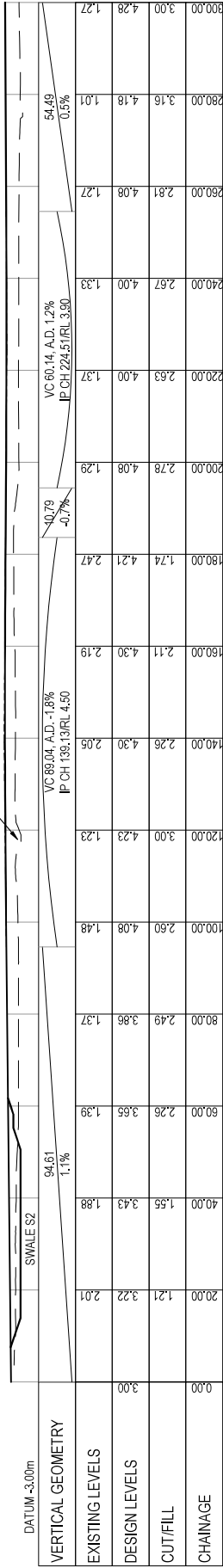
Project  
**WAIRAKEI SOUTH FTA090  
DEVELOPMENT  
BELL ROAD, PAPAMOA  
FOR BELL ROAD  
LIMITED PARTNERSHIP**

Title  
**PROPOSED  
COLLECTOR ROAD C1A  
LONG SECTION PLAN**

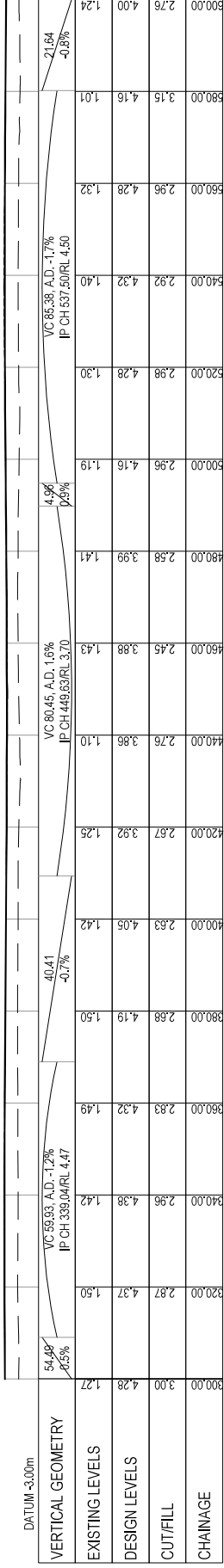
Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C322.DWG
Drawing no.	C322-1
Rev	B

**FOR CONSENT**

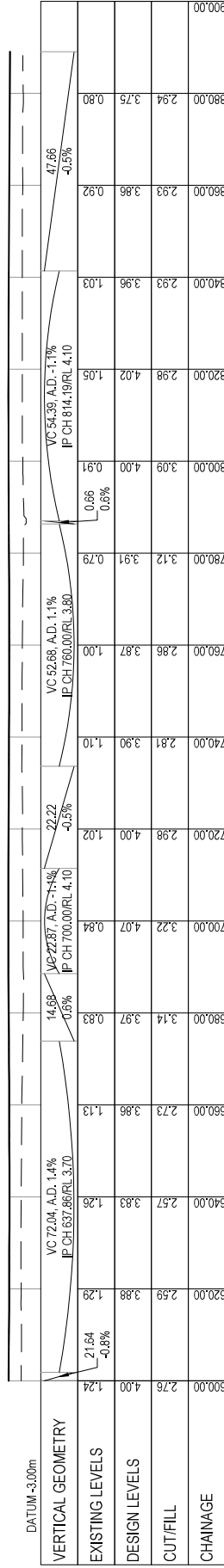
EXISTING DRAIN



PV - Collector Rd C1B  
SCALE: HORI 1:1000 VERT 1:1000



PV - Collector Rd C1B (1)  
SCALE: HORI 1:1000 VERT 1:1000



PV - Collector Rd C1B (2)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND

PROPOSED SURFACE  
EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	12/25
B	FOR CONSENT	ALS	03/26

Survey	MAVEN	16/02/25
Design	ALS	12/25
Drawn	ALS	12/25
Checked	JK	03/26

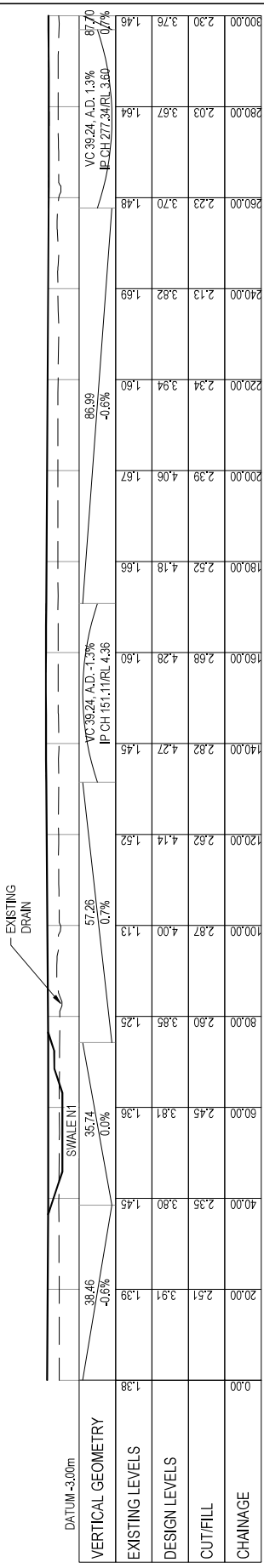


Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

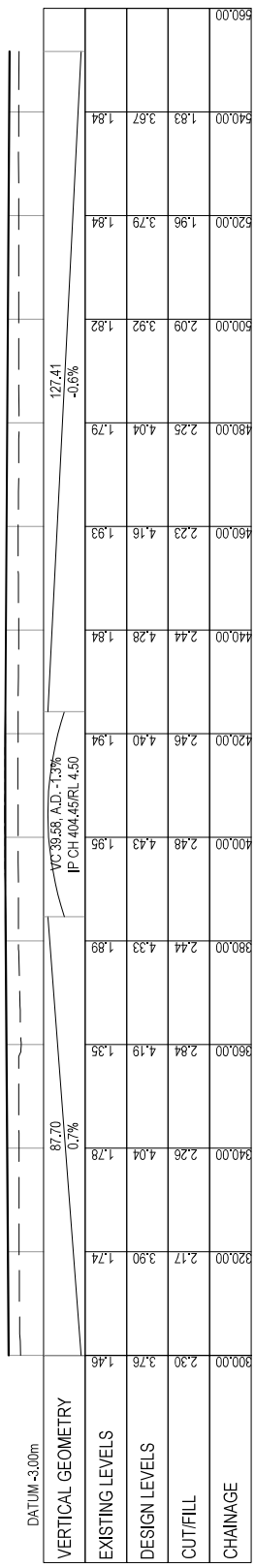
Title  
**PROPOSED COLLECTOR ROAD C1B LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C322-DWG
Drawing no.	C322-2
Rev	B

FOR CONSENT



PV - Collector Rd 2  
SCALE: HORI 1:1000 VERT 1:1000



PV - Collector Rd 2 (1)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	12/25

Survey	By	Date
MAVEN	MAVEN	05/2025
Design	By	Date
MAVEN	MAVEN	12/25
Drawn	By	Date
MAVEN	MAVEN	12/25
Checked	By	Date
MAVEN	MAVEN	03/26

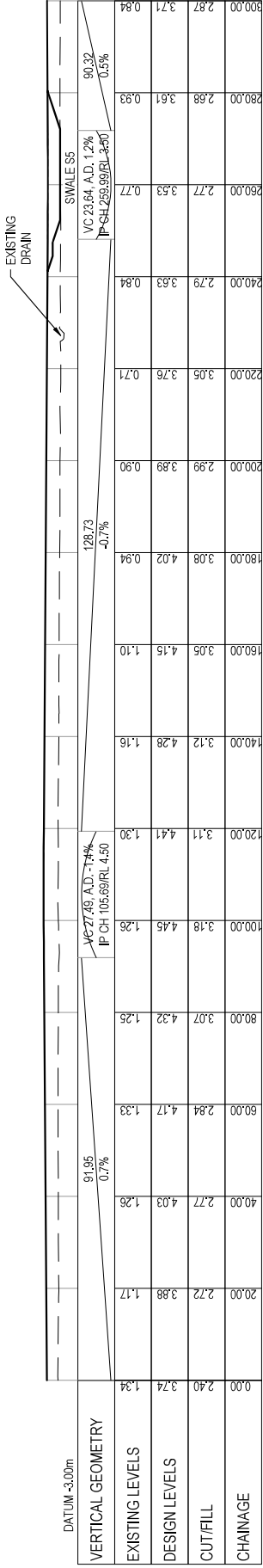


Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

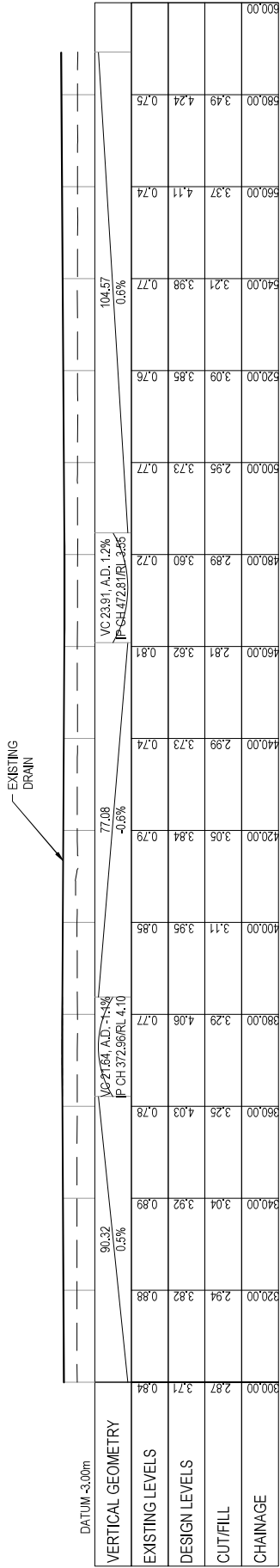
Title  
**PROPOSED**  
**COLLECTOR ROAD C2**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C320.DWG
Drawing no.	C322-3
Rev	B

FOR CONSENT



PV - Collector Rd C3  
SCALE: HORI 1:1000 VERT 1:1000



PV - Collector Rd C3 (1)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	AJS	12/25
B	FOR CONSENT	AJS	03/26

Survey	MAVEN	16/02/25
Design	AJS	12/25
Drawn	AJS	12/25
Checked	MK	03/26

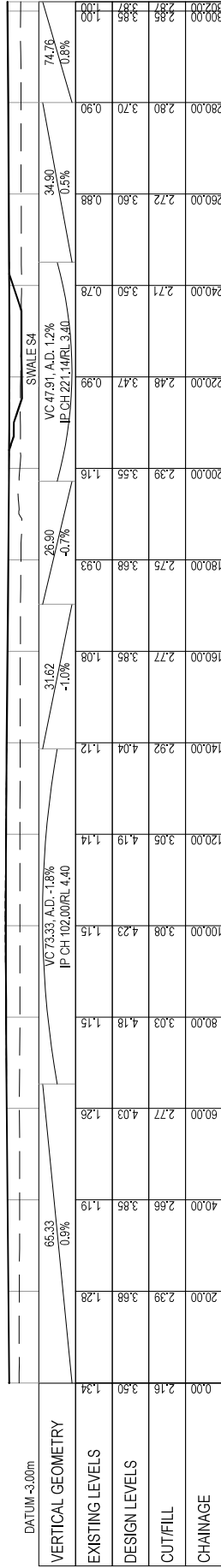


Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

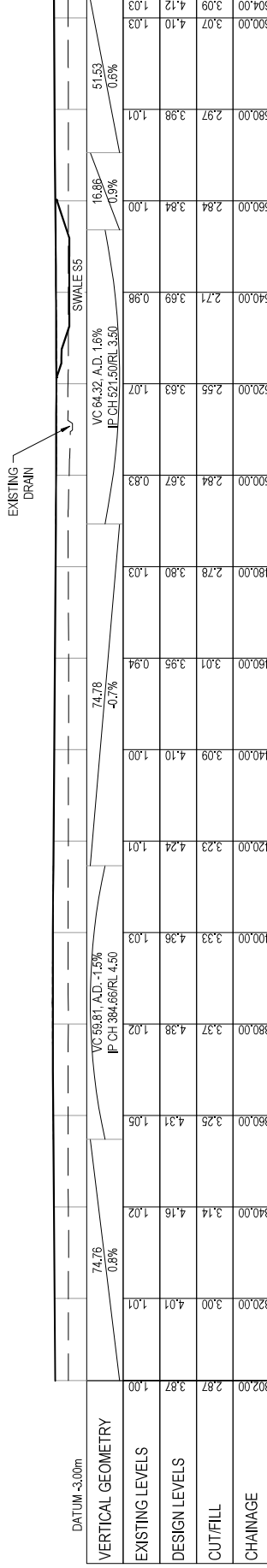
Title  
**PROPOSED COLLECTOR ROAD C3 LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C330.DWG
Drawing no.	C322-4
Rev	B

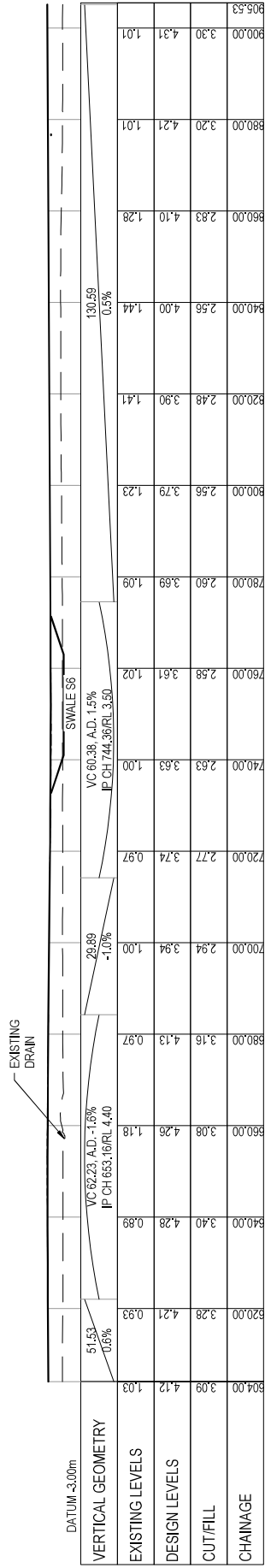
FOR CONSENT



PV - Collector Rd C4  
SCALE: HORI 1:1000 VERT 1:1000



PV - Collector Rd C4 (1)  
SCALE: HORI 1:1000 VERT 1:1000



PV - Collector Rd C4 (2)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND

PROPOSED SURFACE  
EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	12/25

Survey	By	Date
HAVEN	HAVEN	05/2025

Design	By	Date
AJS	AJS	12/25

Drawn	By	Date
AJS	AJS	12/25

Checked	By	Date
MK	MK	03/26

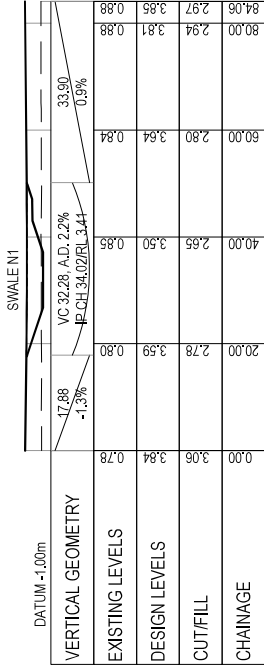


Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

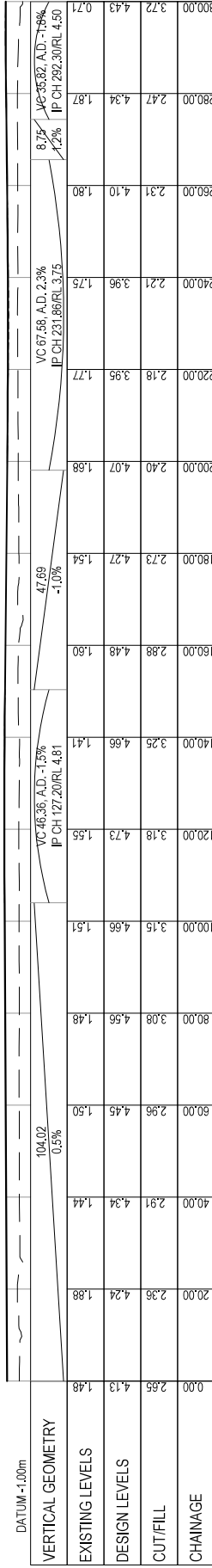
Title: **PROPOSED COLLECTOR ROAD C4 LONG SECTION PLAN**

Project no.: BOP0749  
 Scale: 1:1000 @ A3  
 Cad file: BOP0749-C320.DWG  
 Drawing no.: C322-5  
 Rev: B

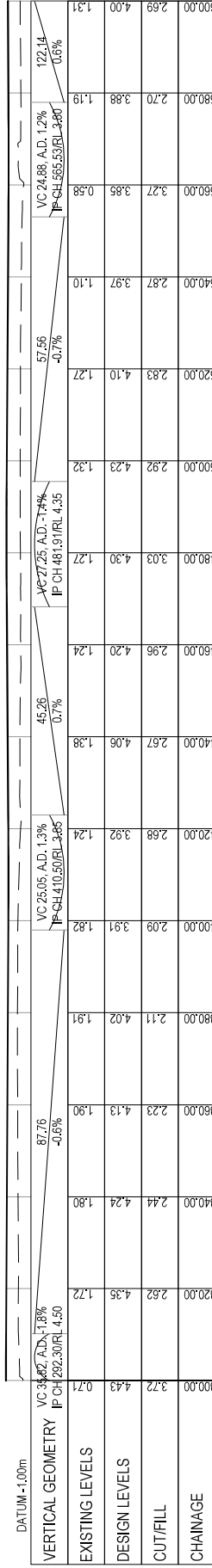
FOR CONSENT



Profile - Residential Road R1  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R2\_A  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R2\_A (1)  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	02/26
B	FOR CONSENT	ALS	03/26

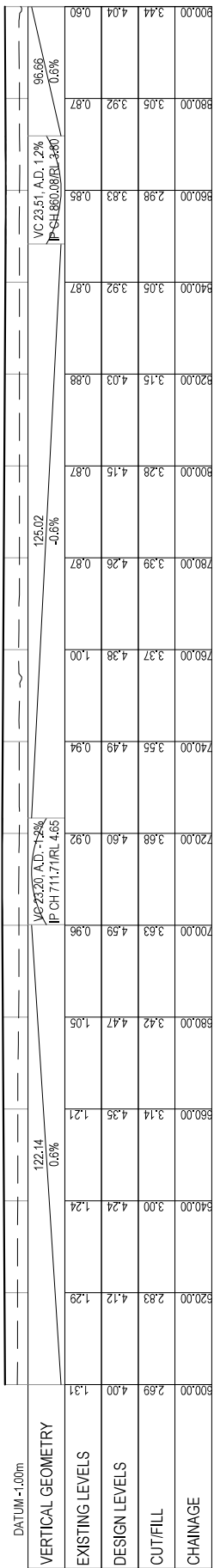
Survey	MAVEN	05/02/25
Design	ALS	02/26
Drawn	ALS	02/26
Checked	MK	03/26



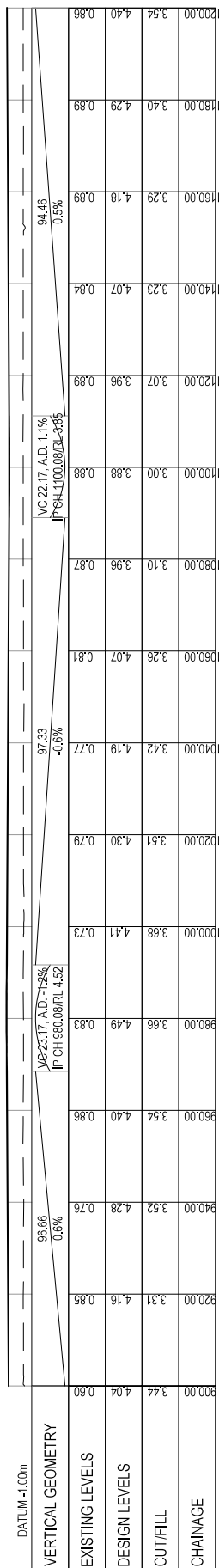
Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-1
Rev	B



Profile - Residential Road R2\_A (2)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R2\_A (3)  
SCALE: HORI 1:1000 VERT 1:1000

Station	Existing Level	Design Level	Cut/Fill	Chainage
1200.00	3.54	3.54	0.86	1200.00
1220.00	3.99	3.99	0.87	1220.00
1240.00	3.43	3.43	0.89	1240.00
1260.00	3.25	3.25	0.84	1260.00
1280.00	3.25	3.25	0.84	1280.00
1300.00	3.25	3.25	0.84	1300.00

Profile - Residential Road R2\_A (4)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	ALS	03/26
A	DRAFT FOR REVIEW	ALS	02/26

Survey	MAVEN	05/2025
Design	ALS	02/26
Drawn	ALS	02/26
Checked	JK	03/26

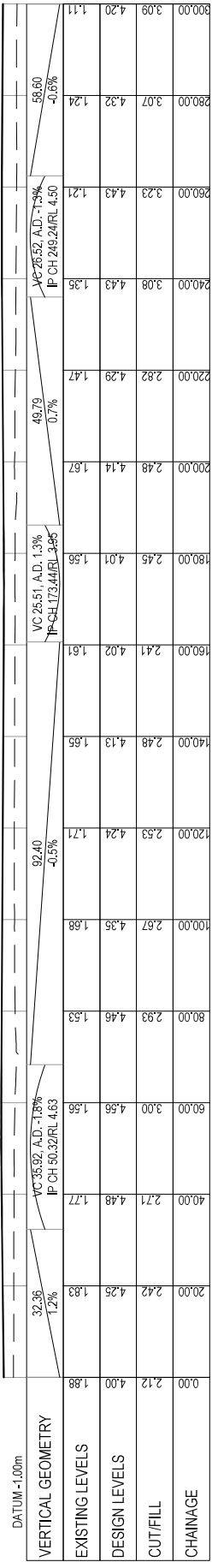


Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

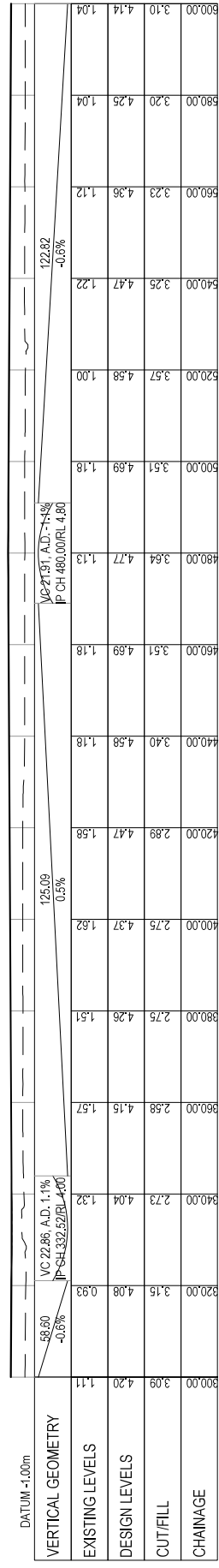
Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323-DWG
Drawing no.	C323-2
Rev	B

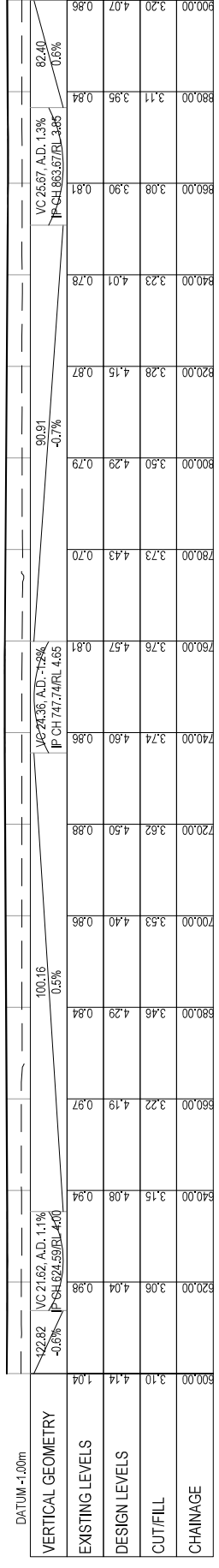
FOR CONSENT



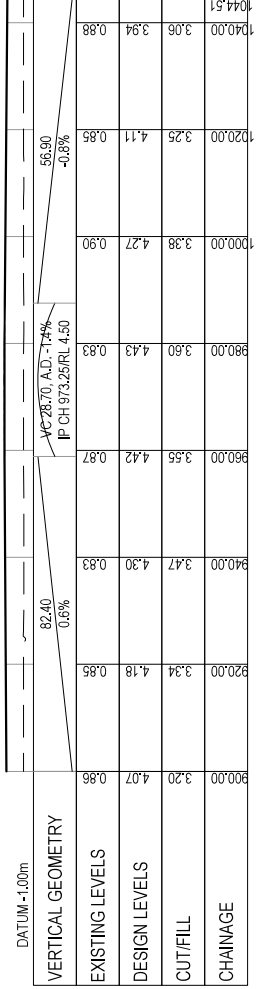
Profile - Residential Road R2\_B  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R2\_B (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R2\_B (2)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R2\_B (3)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

FOR CONSENT	A/S	03/26	
DRAFT FOR REVIEW	A/S	02/26	
Rev	Description	By	Date
		MAVEN	05/2025
			02/26
			02/26
			03/26

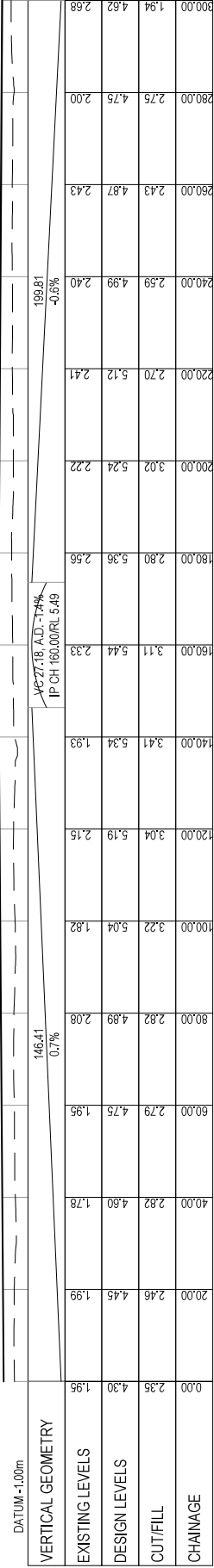


Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

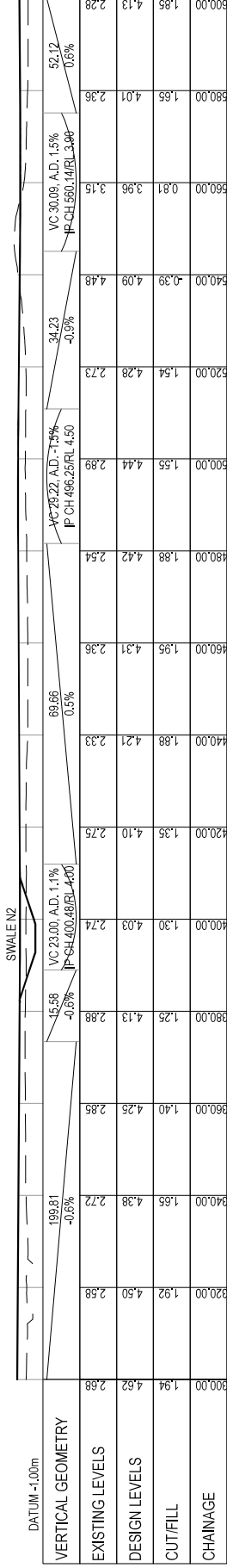
Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C323.DWG
Drawing no.	C323-3
Rev	B

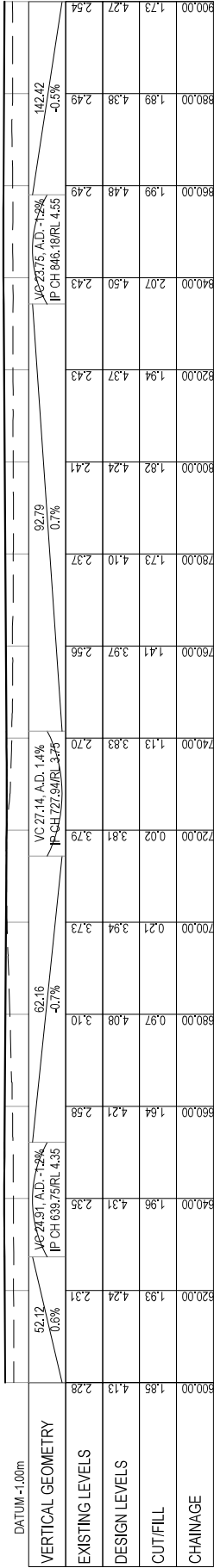
FOR CONSENT



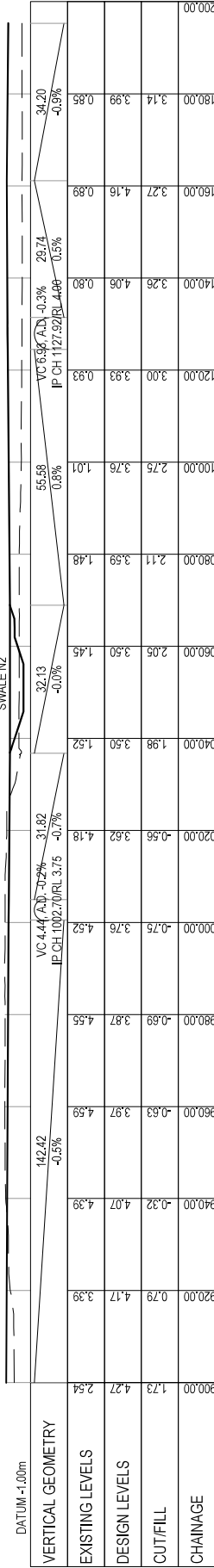
Profile - Residential Road R3  
SCALE: Hori 1:1000 VERT 1:1000



Profile - Residential Road R3 (1)  
SCALE: Hori 1:1000 VERT 1:1000



Profile - Residential Road R3 (2)  
SCALE: Hori 1:1000 VERT 1:1000



Profile - Residential Road R3 (3)  
SCALE: Hori 1:1000 VERT 1:1000

FOR CONSENT

LEGEND  
 --- PROPOSED SURFACE  
 - - - EXISTING SURFACE

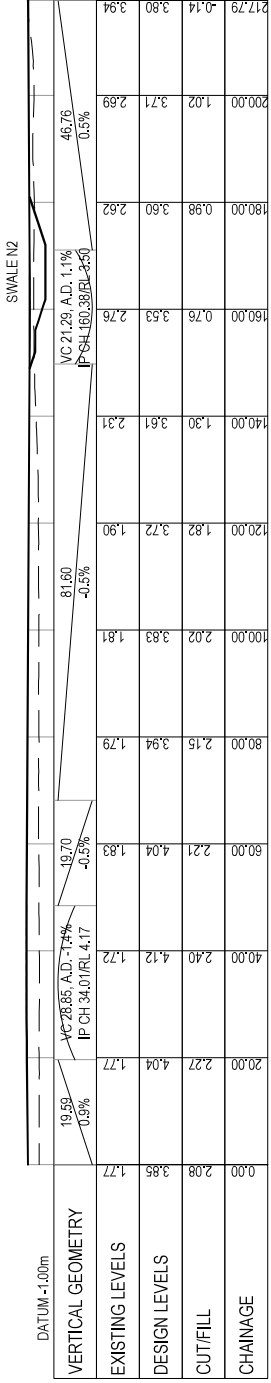
Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	10/26
B	FOR CONSENT	ALS	03/26
Survey		HAIVEN	05/025
Design		ALS	02/26
Drawn		ALS	02/26
Checked		HK	03/26



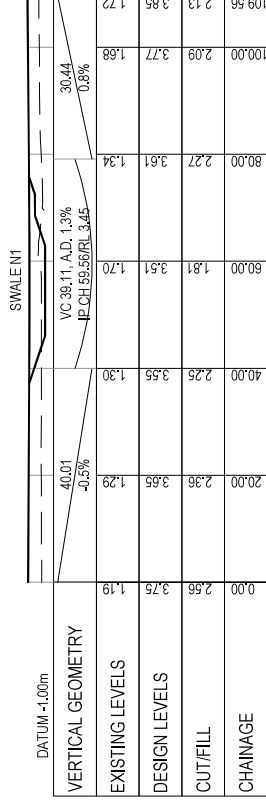
Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

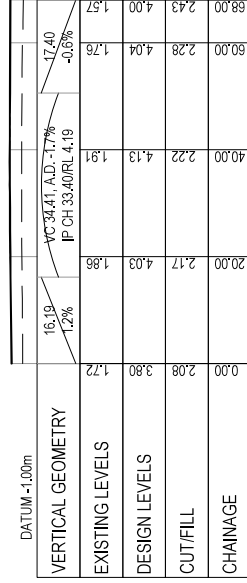
Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C323.DWG
Drawing no.	C323-4
Rev	B



Profile - Residential Road R4  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R5  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R6  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	Design	Drawn	Checked
MAVEN	AJS	AJS	MK

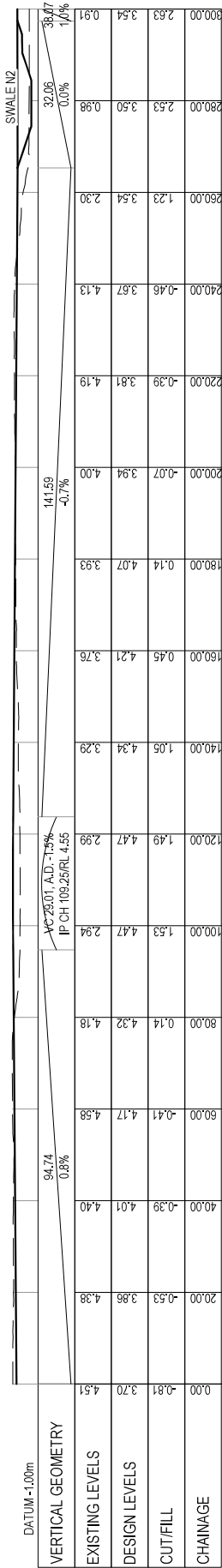
MAVEN  
 Maiven Bay of Plenty  
 118 Coleridge Street, Tauranga  
 New Zealand

Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-5
Rev	B

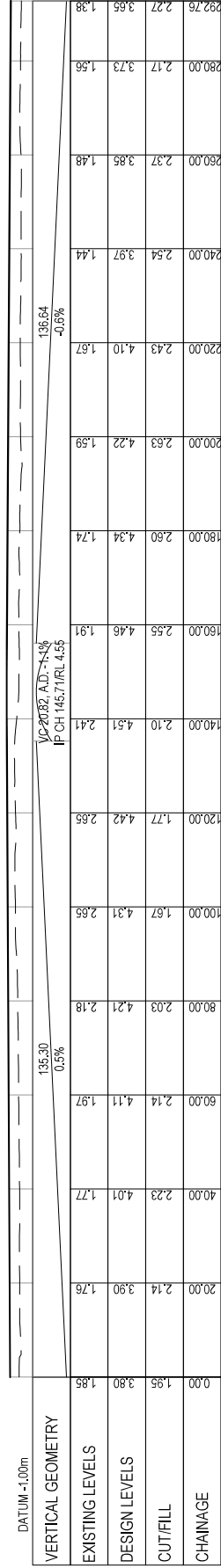
FOR CONSENT



Profile - Residential Rd R7  
SCALE: HORI 1:1000 VERT 1:1000

DATUM -1.00m	
VERTICAL GEOMETRY	38.07 1.0%
EXISTING LEVELS	0.88
DESIGN LEVELS	3.74
CUT/FILL	2.86
CHAINAGE	320.00

Profile - Residential Rd R7 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R8  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

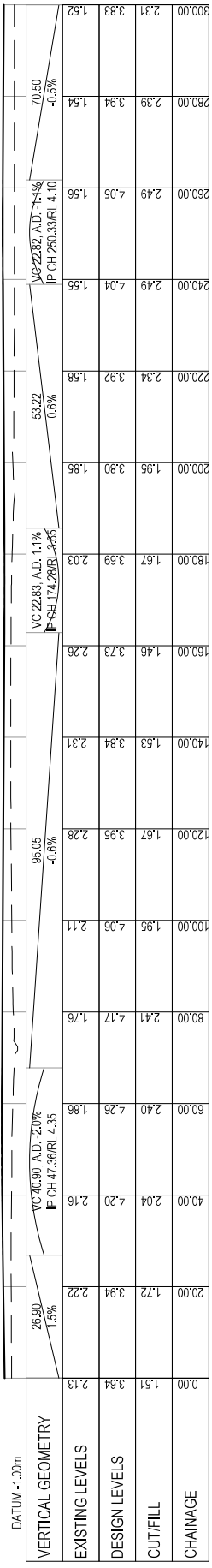
Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	02/26
B	FOR CONSENT	ALS	03/26

**M A E N**  
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 118 Colwood Street, Tauranga  
 www.maiven.co.nz

Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

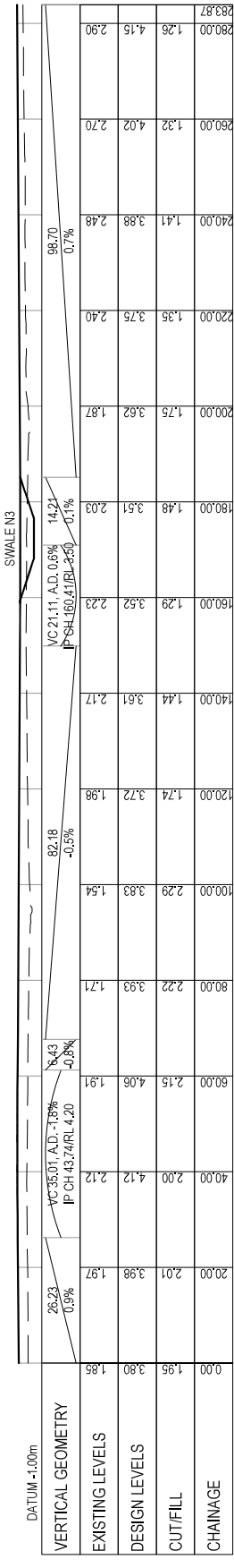
Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C323.DWG
Drawing no.	C323-6
Rev	B



Profile - Residential Road R9  
SCALE: HORI 1:1000 VERT 1:1000

Vertical Geometry	Existing Levels	Design Levels	Cut/Fill	Chainage
VERTICAL GEOMETRY	1.47	3.72	2.24	320.00
EXISTING LEVELS	1.47	3.72	2.24	320.00
DESIGN LEVELS	1.47	3.72	2.24	320.00
CUT/FILL	1.47	3.72	2.24	320.00
CHAINAGE	1.47	3.72	2.24	320.00

Profile - Residential Road R9 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R10  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 — PROPOSED SURFACE  
 - - - EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	02/26
B	FOR CONSENT	ALS	03/26

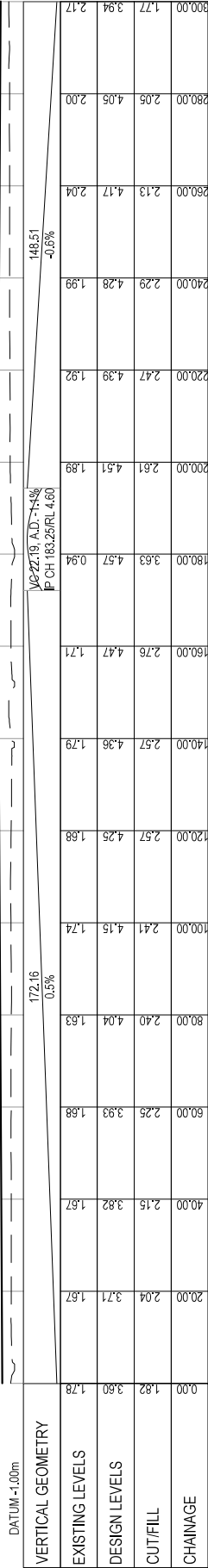
**M A E N**  
 Maiven Bay of Plenty  
 118 Colwyn Street, Tauranga  
 www.maiven.co.nz

Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-7
Rev	B

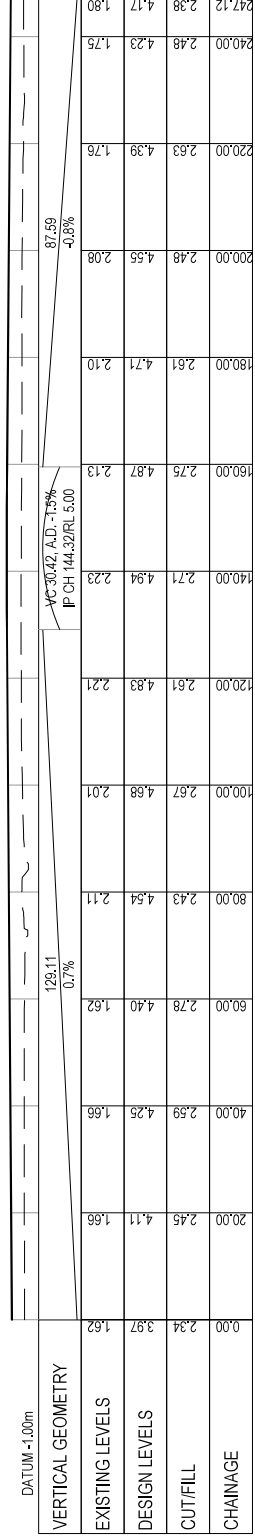
**FOR CONSENT**



Profile - Residential Road R11  
SCALE: HORI 1:1000 VERT 1:1000

Category	Station	Value
VERTICAL GEOMETRY	VC 22.19	A.D. -1.4%
	P	CH 183.25/RL 4.60
EXISTING LEVELS	Station	Value
	300.00	2.17
DESIGN LEVELS	Station	Value
	300.00	3.94
CUT/FILL	Station	Value
	300.00	1.77
CHAINAGE	Station	Value
	300.00	3.94

Profile - Residential Road R11 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Road R12  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	AKS	02/26
B	FOR CONSENT	AKS	03/26

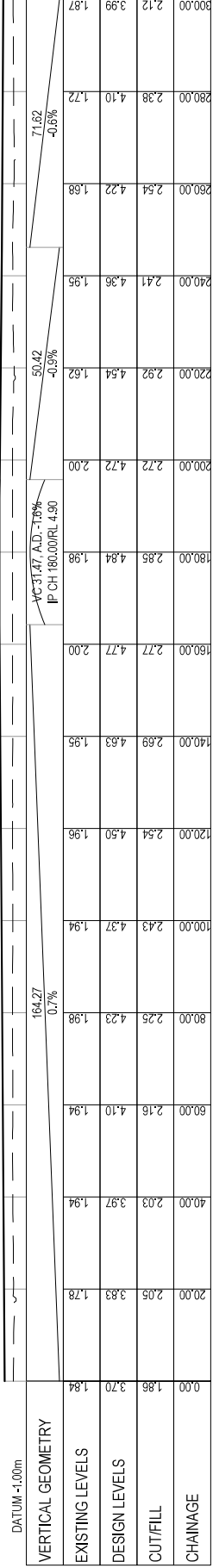
Survey	By	Date
MAVEN	MAVEN	05/2025
Design	AKS	02/26
Drawn	AKS	02/26
Checked	AKS	03/26



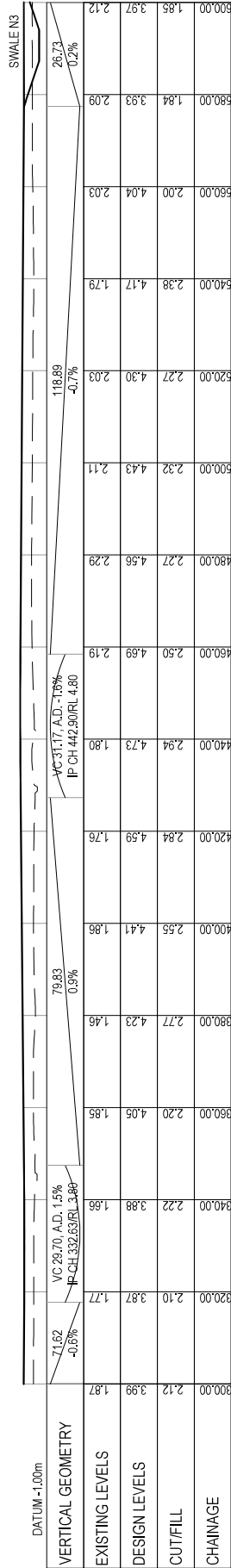
Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**  
 Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C323.DWG
Drawing no.	C323-S
Rev	B

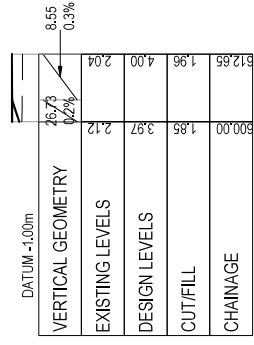
FOR CONSENT



Profile - Residential Rd R13  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R13 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R13 (2)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	02/26
B	FOR CONSENT	ALS	03/26

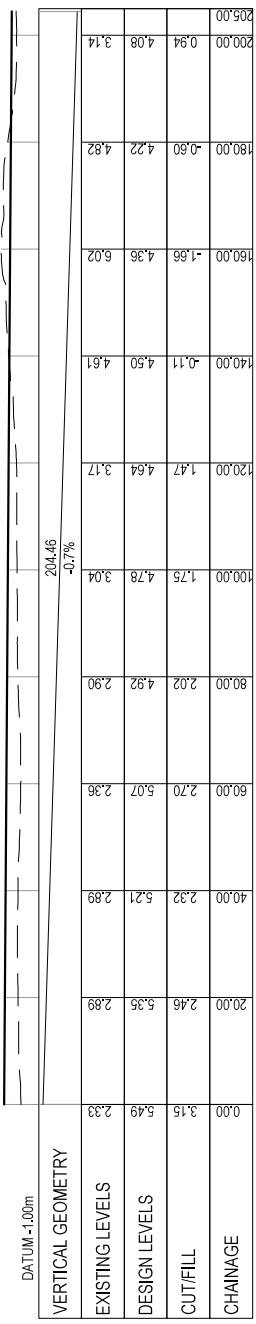
**M A E N**  
 Maiven Bay of Plenty  
 118 Coleridge Street, Tauranga  
 New Zealand

Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

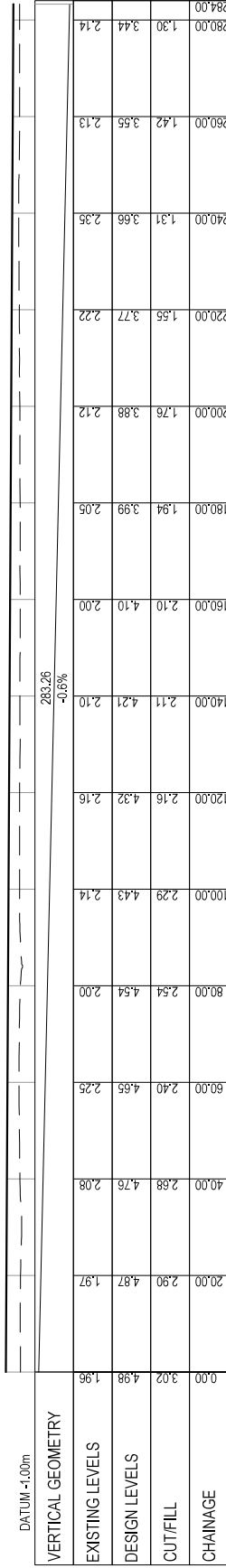
Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-9
Rev	B

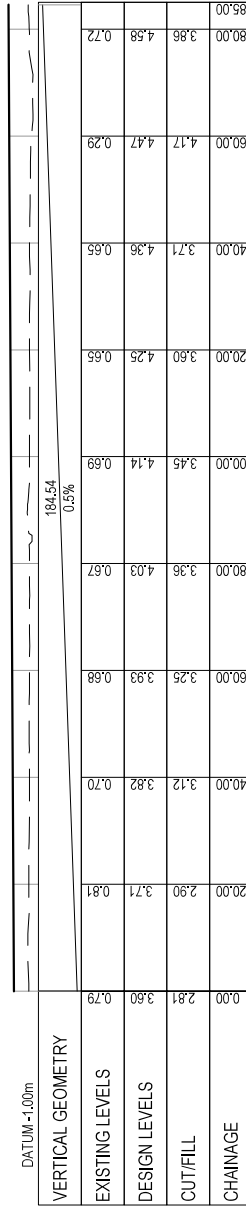
**FOR CONSENT**



Profile - Residential Rd R14  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R15  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Industrial Rd R16  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND

— PROPOSED SURFACE  
- - - EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	ALS	03/26
A	DRAFT FOR REVIEW	ALS	02/26

Survey	Design	Drawn	Checked
MAVEN	ALS	ALS	MK

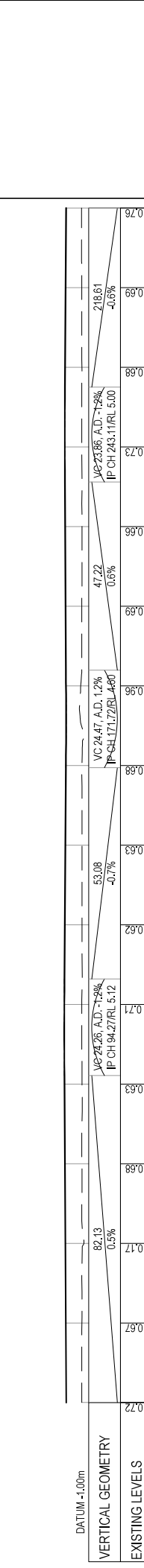


Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C323.DWG
Drawing no.	C323-10
Rev	B

FOR CONSENT



Station	Existing Levels	Design Levels	Cut/Fill	Chainage
0.00	4.72	4.71	0.00	0.00
20.00	4.04	4.71	0.67	20.00
40.00	4.85	4.82	0.03	40.00
60.00	4.25	4.93	0.68	60.00
80.00	4.41	5.04	0.63	80.00
100.00	4.36	5.07	0.71	100.00
120.00	4.33	4.94	0.62	120.00
140.00	4.18	4.81	0.63	140.00
160.00	4.00	4.68	0.68	160.00
180.00	3.89	4.65	0.76	180.00
200.00	4.07	4.76	0.69	200.00
220.00	4.21	4.87	0.66	220.00
240.00	4.23	4.96	0.73	240.00
260.00	4.21	4.89	0.68	260.00
280.00	4.08	4.76	0.68	280.00
300.00	3.88	4.64	0.76	300.00

Profile - Industrial Rd R17  
SCALE: HORI 1:1000 VERT 1:1000



Station	Existing Levels	Design Levels	Cut/Fill	Chainage
0.00	3.88	4.64	0.76	0.00
20.00	4.04	4.71	0.67	20.00
40.00	4.85	4.82	0.03	40.00
60.00	4.25	4.93	0.68	60.00
80.00	4.41	5.04	0.63	80.00
100.00	4.36	5.07	0.71	100.00
120.00	4.33	4.94	0.62	120.00
140.00	4.18	4.81	0.63	140.00
160.00	4.00	4.68	0.68	160.00
180.00	3.89	4.65	0.76	180.00
200.00	4.07	4.76	0.69	200.00
220.00	4.21	4.87	0.66	220.00
240.00	4.23	4.96	0.73	240.00
260.00	4.21	4.89	0.68	260.00
280.00	4.08	4.76	0.68	280.00
300.00	3.88	4.64	0.76	300.00

Profile - Industrial Rd R17 (1)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	ALS	03/26
A	DRAFT FOR REVIEW	ALS	02/26

Survey	MAVEN	05/2025
Design	ALS	02/26
Drawn	ALS	02/26
Checked	JK	03/26



Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAHOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

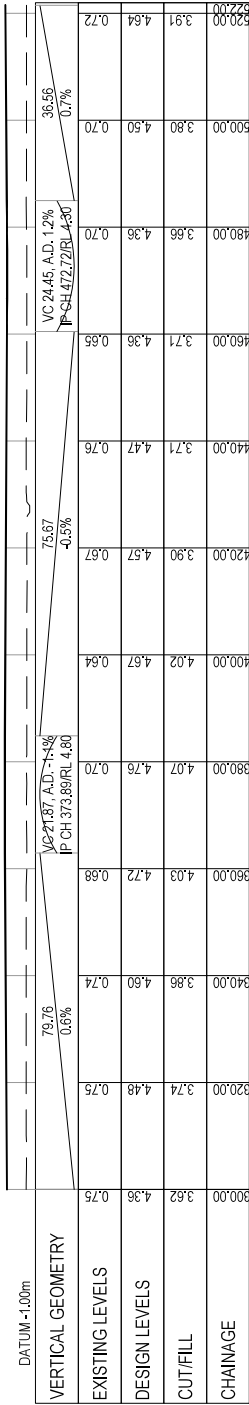
Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-11
Rev	B

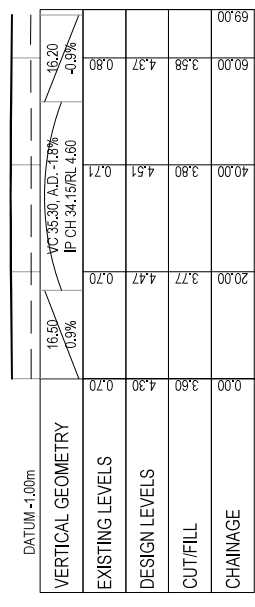
FOR CONSENT

Profile - Residential Rd R18  
SCALE: HORI 1:1000 VERT 1:1000

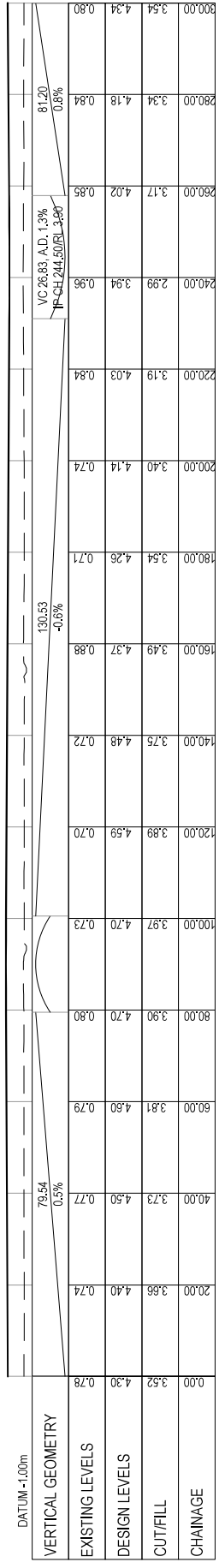
Station	Existing Levels	Design Levels	Cut/Fill	Chainage
0.00	4.34	5.10	0.76	0.00
20.00	4.20	4.98	0.78	20.00
40.00	4.06	4.85	0.80	40.00
60.00	4.07	4.78	0.71	60.00
80.00	4.09	4.89	0.80	80.00
100.00	4.28	5.04	0.76	100.00
120.00	4.29	5.01	0.71	120.00
140.00	4.16	4.90	0.76	140.00
160.00	4.08	4.80	0.71	160.00
180.00	3.94	4.69	0.75	180.00
200.00	3.86	4.58	0.72	200.00
220.00	3.71	4.48	0.76	220.00
240.00	3.67	4.37	0.70	240.00
260.00	3.57	4.26	0.70	260.00
280.00	3.53	4.26	0.72	280.00
300.00	3.62	4.36	0.75	300.00



Profile - Residential Rd R18 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R19  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R20  
SCALE: HORI 1:1000 VERT 1:1000

**FOR CONSENT**

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

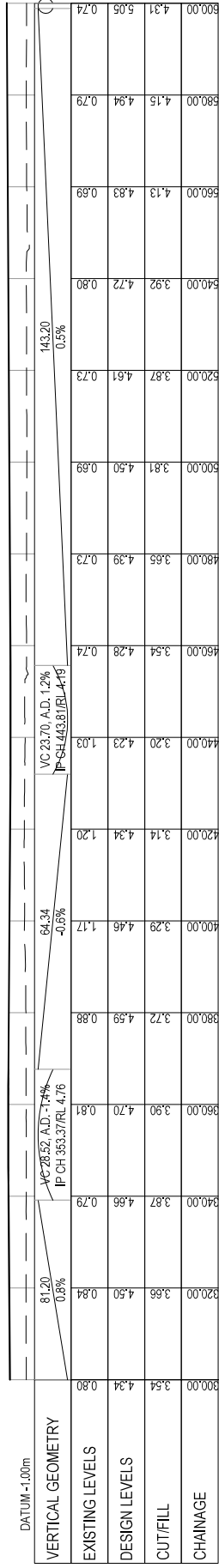
Rev	Description	By	Date
A	DRAFT FOR REVIEW	AK	02/26
B	FOR CONSENT	AK	03/26

**M A V E N**  
 Maiven Bay of Plenty  
 118 Cameron Street, Tauranga  
 www.maiven.co.nz

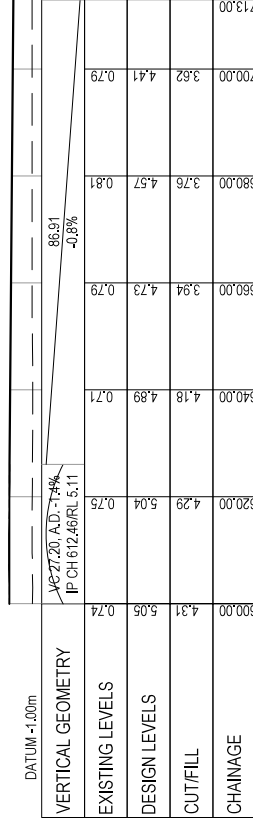
Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

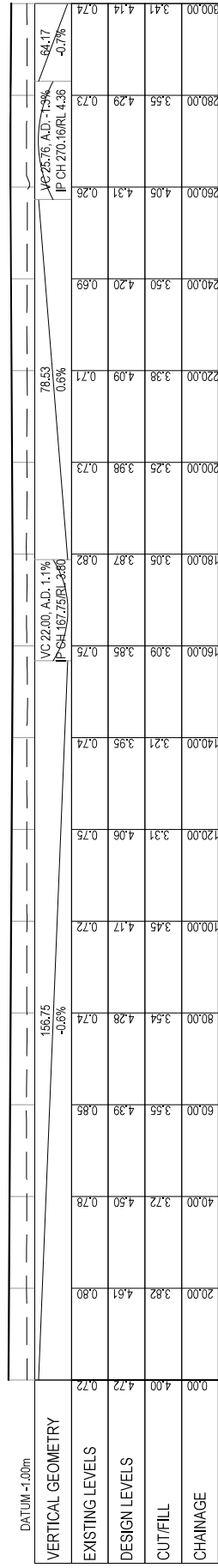
Project no.: BOP0749  
 Scale: 1:1000 @ A3  
 Cad file: BOP0749-C323.DWG  
 Drawing no.: C323-12  
 Rev: **B**



Profile - Residential Rd R20 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R20 (2)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R21  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	02/26
B	FOR CONSENT	ALS	03/26

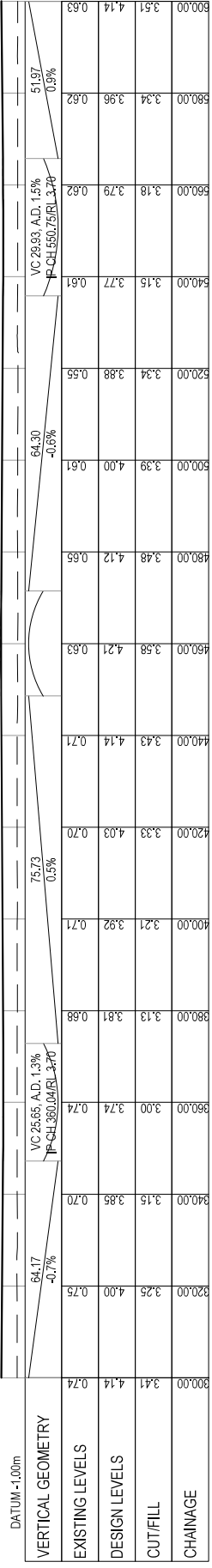
  

Survey	MAVEN	05/02/05
Design	ALS	02/26
Drawn	ALS	02/26
Checked	HK	02/26



Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**  
 Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-13
Rev	B



Profile - Residential Rd R21 (1)  
SCALE: HORI 1:1000 VERT 1:1000

DATUM -1.00m	
VERTICAL GEOMETRY	51.97 0.8%
EXISTING LEVELS	0.63
DESIGN LEVELS	4.14
CUT/FILL	3.51
CHAINAGE	518.00

Profile - Residential Rd R21 (2)  
SCALE: HORI 1:1000 VERT 1:1000

DATUM -1.00m	
VERTICAL GEOMETRY	71.50 0.8%
EXISTING LEVELS	1.14
DESIGN LEVELS	3.92
CUT/FILL	2.78
CHAINAGE	20.00

Profile - Residential Rd R22  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

**M A E N**  
 Maiven Bay of Plenty  
 118 Colson Street, Tauranga  
 New Zealand  
 www.maiven.co.nz

Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-14
Rev	B

**FOR CONSENT**

**FOR CONSENT**

**LEGEND**  
 ——— PROPOSED SURFACE  
 ——— EXISTING SURFACE

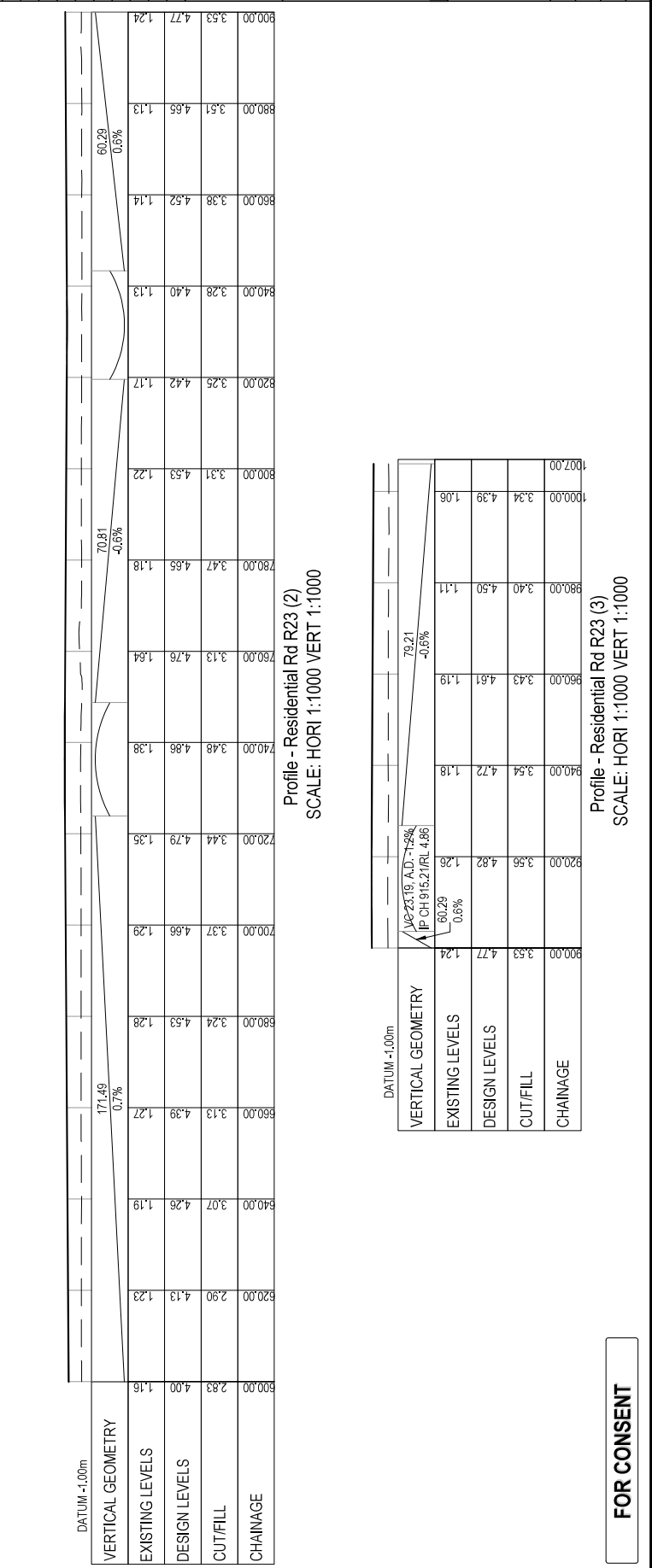
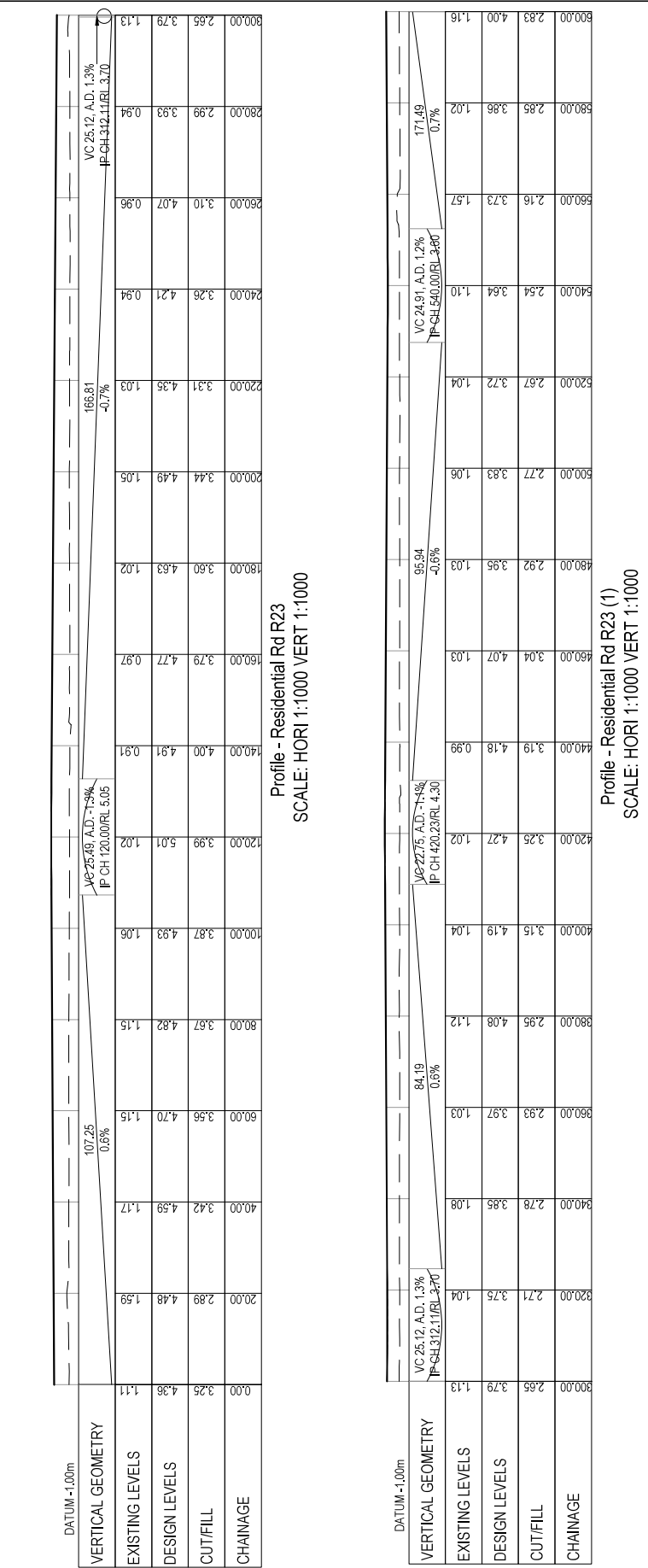
FOR CONSENT	A/S	03/26	
DRAFT FOR REVIEW	A/S	02/26	
Rev	Description	By	Date
Survey	MAREN		05/2025
Design	A/S		02/26
Drawn	A/S		
Checked	MK		03/26

**MAREN**  
 Haven Bay of Plenty  
 Engineering & Construction Ltd.  
 www.maren.co.nz  
 118 Cameron Street, Tauranga  
 New Zealand

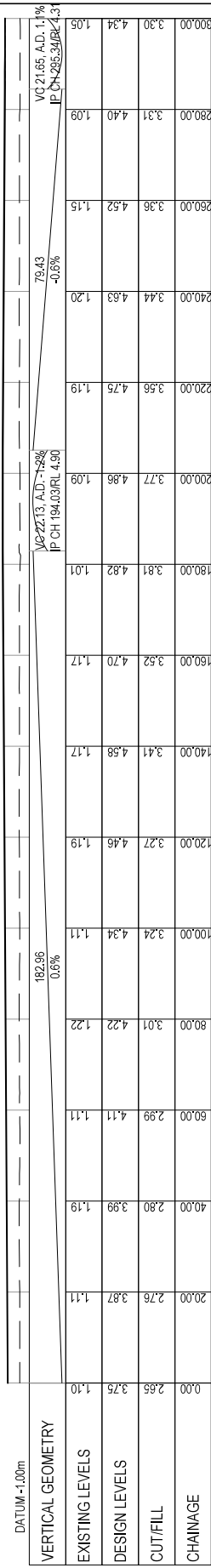
Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

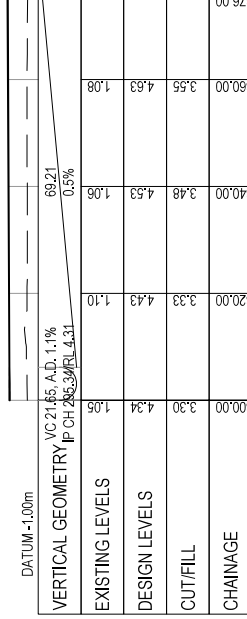
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 Scale: 1:1000 @ A3  
 Card file: BOP0749-0323.DWG  
 Drawing no.: C023-15  
 Rev: B



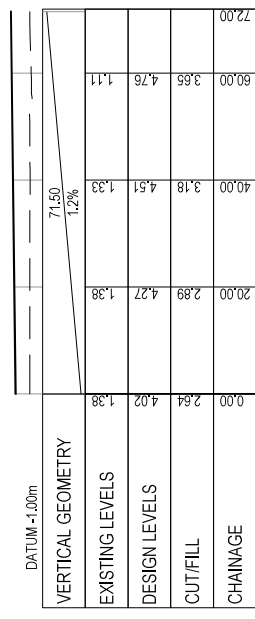
**FOR CONSENT**



Profile - Residential Rd R24  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R24 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R25  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AMS	03/26
A	DRAFT FOR REVIEW	AMS	02/26

Survey	MAVEN	16/02/25
Design	AMS	02/26
Drawn	AMS	02/26
Checked	JK	03/26

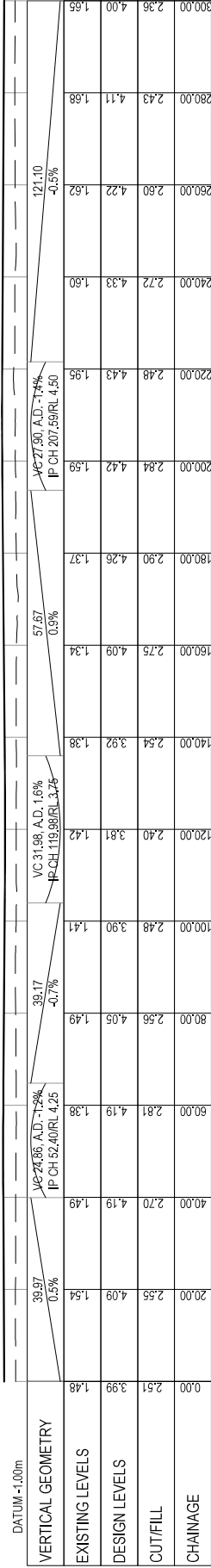
**M A V E N**  
 Maiven Bay of Plenty  
 118 Coleridge Street, Tauranga  
 Tauranga, New Zealand  
 www.maiven.co.nz

Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

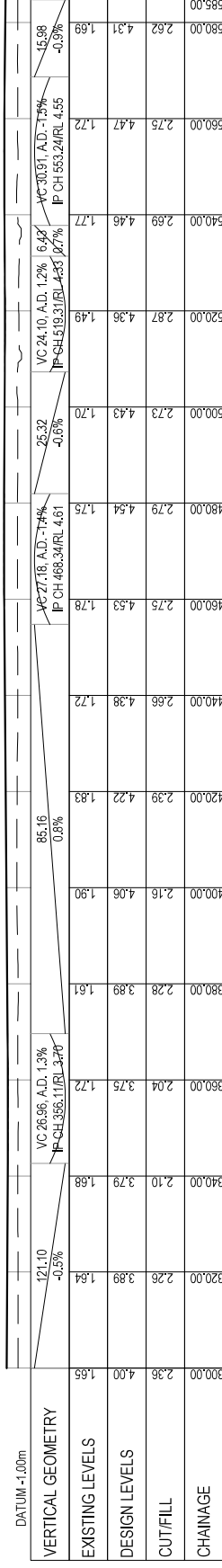
Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-16
Rev	B

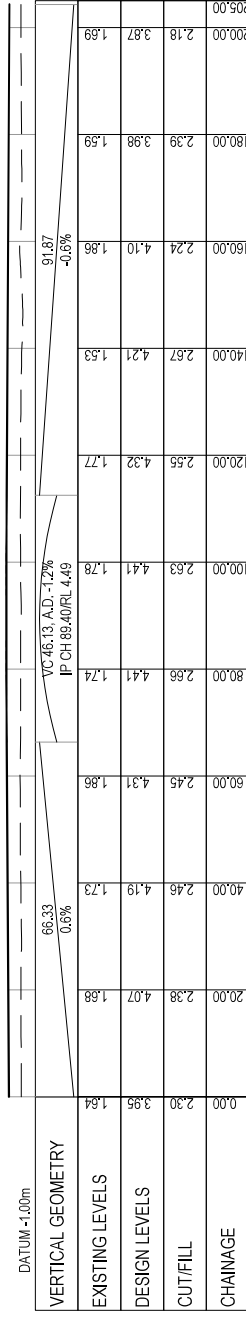
**FOR CONSENT**



Profile - Residential Rd R26  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R26 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R27  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	AS	02/26
B	FOR CONSENT	AS	03/26

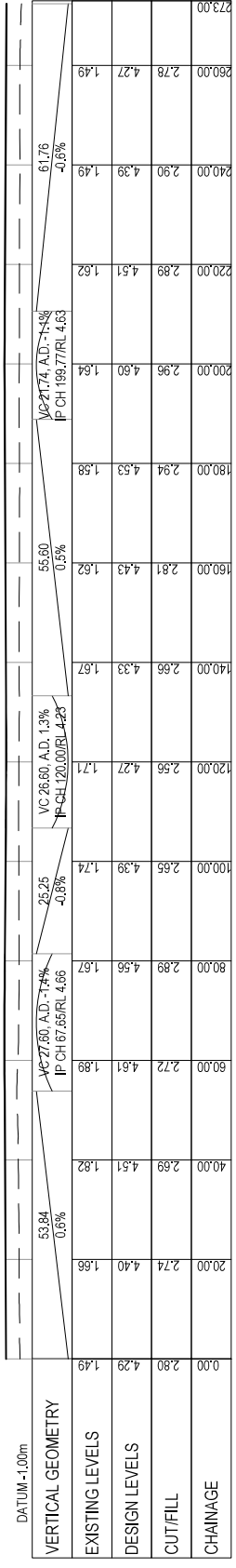
**M A E N**  
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 118 Colwyn Street, Tauranga  
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Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

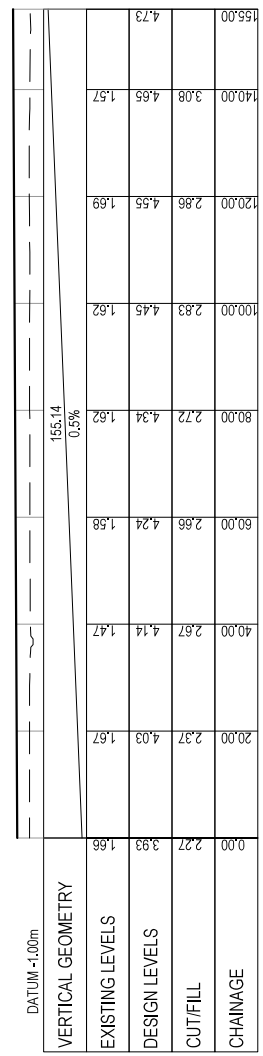
Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-17
Rev	B

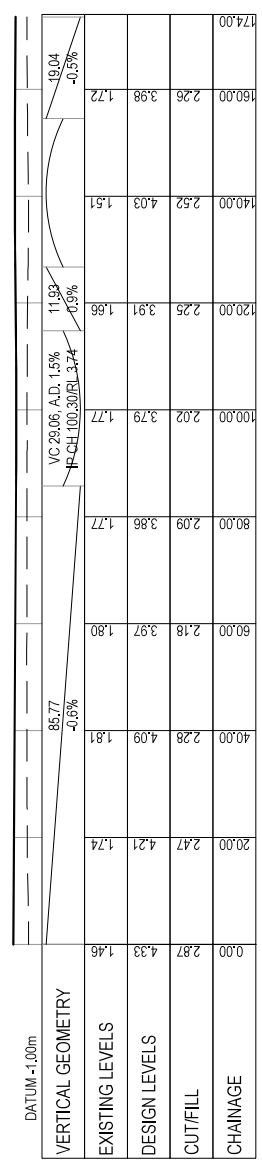
FOR CONSENT



Profile - Residential Rd R28  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R29  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R30  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND

PROPOSED SURFACE  
EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	By	Date
MAVEN	MAVEN	05/2025
Design	AJS	07/26
Drawn	AJS	07/26
Checked	MK	03/26

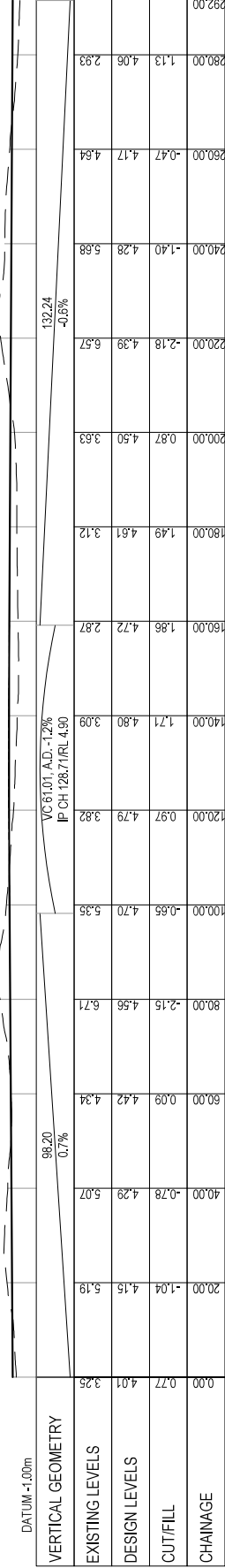
**Maven Bay of Plenty**  
 118 Coleridge Street, Tauranga  
 Tauranga, Bay of Plenty  
 www.maven.co.nz  
 07 7700 0000

Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

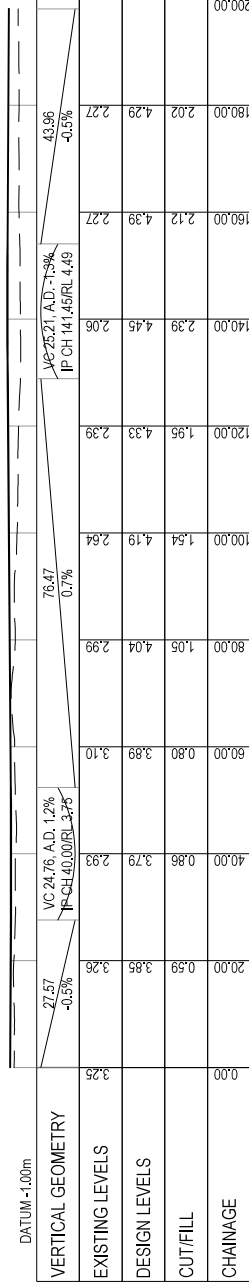
Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-1B
Rev	B

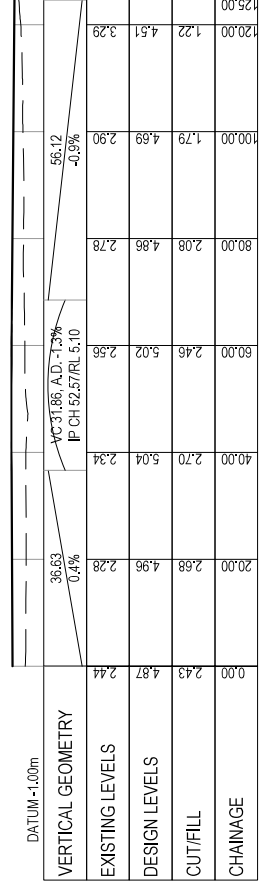
FOR CONSENT



PV - Residential Rd R31  
SCALE: HORI 1:1000 VERT 1:1000



PV - Residential Rd R32  
SCALE: HORI 1:1000 VERT 1:1000



PV - Residential Rd R33  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 PROPOSED SURFACE  
 EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

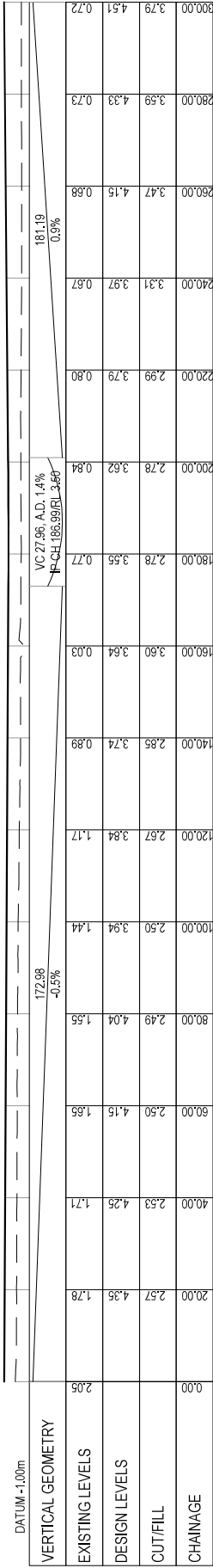
**M A E N**  
 Maiven Bay of Plenty  
 118 Cameron Street, Tauranga  
 New Zealand

Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

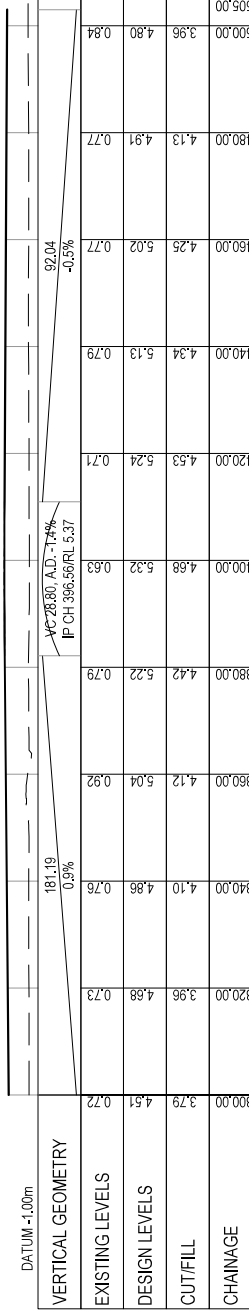
Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C323.DWG
Drawing no.	C323-19
Rev	B

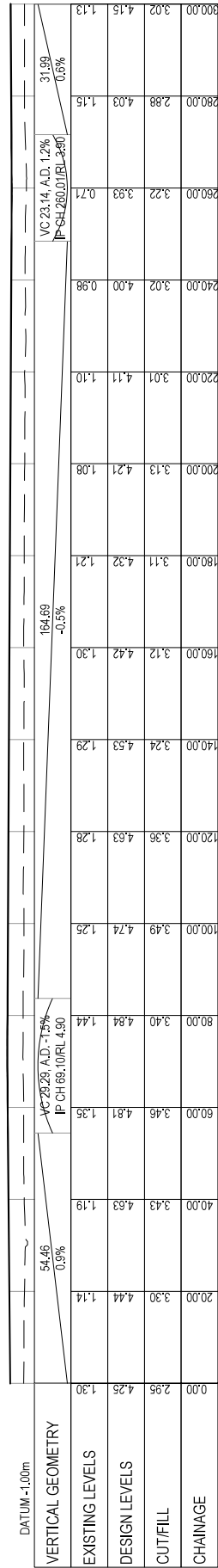
**FOR CONSENT**



Profile - Residential Rd R100  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R100 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R101  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	MAVEN	05/02/25
Design	AJS	02/26
Drawn	AJS	02/26
Checked	MK	03/26



Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-1
Rev	B

DATUM -1.00m

VERTICAL GEOMETRY	31.6%	VC 32.85, A.D. -1.8%	41.04	-1.0%	560.00	578.00
EXISTING LEVELS	0.6%	IP CH 320.00/RL 4.28	0.95	3.88	2.93	
DESIGN LEVELS	4.15	4.21	4.08	3.18	3.18	
CUT/FILL	3.02	3.38	4.08	3.18	2.93	
CHAINAGE	800.00	920.00	940.00	960.00	980.00	

Profile - Residential Rd R101 (1)  
SCALE: HORI 1:1000 VERT 1:1000

DATUM -1.00m

VERTICAL GEOMETRY	1.46	129.37	-0.6%	100.00	120.00	130.00
EXISTING LEVELS	1.48	4.57	4.57	3.14	4.23	
DESIGN LEVELS	3.31	4.79	4.45	3.20	3.09	
CUT/FILL	0.00	3.27	4.68	4.57	4.23	
CHAINAGE	20.00	40.00	60.00	80.00	100.00	120.00

Profile - Residential Rd R102  
SCALE: HORI 1:1000 VERT 1:1000

DATUM -1.00m

VERTICAL GEOMETRY	68.04	0.8%	26.22	-0.7%	120.00	140.00	160.00	180.00	200.00	220.00	240.00	260.00	280.00	300.00
EXISTING LEVELS	1.31	4.71	4.78	4.64	4.55	4.23	4.25	4.60	4.42	4.07	3.91	3.91	0.97	14.94
DESIGN LEVELS	3.40	4.84	4.78	4.64	4.55	4.23	4.25	4.60	4.42	4.07	3.91	3.91	0.97	14.94
CUT/FILL	0.00	3.06	4.40	4.40	4.55	4.23	4.25	4.60	4.42	4.07	3.91	3.91	0.97	14.94
CHAINAGE	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00	240.00	260.00

Profile - Residential Rd R103  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

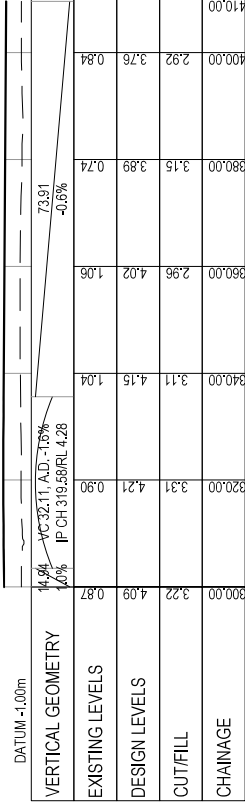
Rev	Description	By	Date
B	FOR CONSENT	MAVEN	05/02/25
A	DRAFT FOR REVIEW	MAVEN	02/26

**M A V E N**  
 Maiven Bay of Plenty  
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 Tauranga, Bay of Plenty  
 www.maiven.co.nz

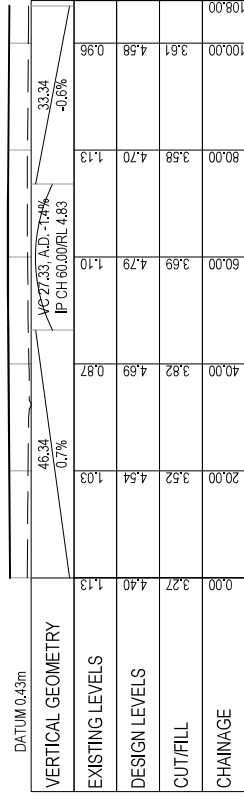
Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

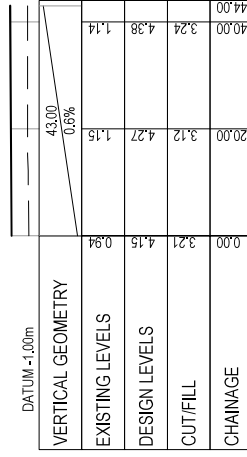
Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324-2.DWG
Drawing no.	C324-2
Rev	B



Profile - Residential Rd R103 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R104  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R105  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 PROPOSED SURFACE  
 EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	By	Date
MAVEN	MAVEN	05/2025
Design	By	Date
AJS	AJS	02/26
Drawn	By	Date
AJS	AJS	02/26
Checked	By	Date
MK	MK	03/26

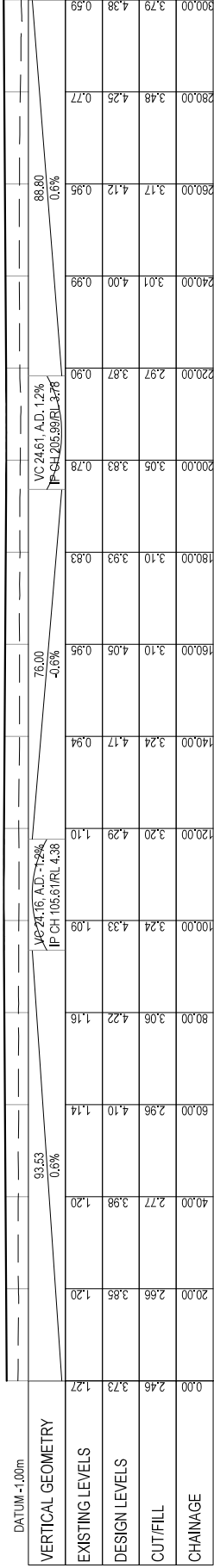
**Maven Bay of Plenty**  
 1000 Lakes Road, Tauranga  
 Tauranga, Bay of Plenty  
 3118  
 www.maven.co.nz  
 118 Coleridge Street, Tauranga  
 Tauranga, Bay of Plenty  
 3118  
 www.maven.co.nz

Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-3
Rev	B

DRAFT FOR REVIEW



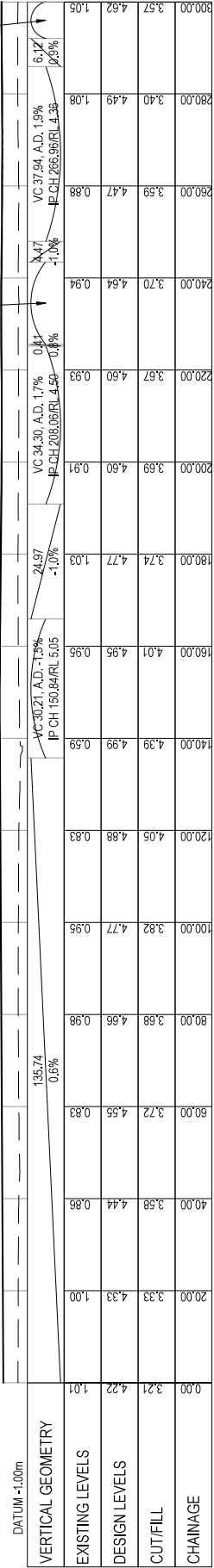
Profile - Residential Rd R106  
SCALE: HORI 1:1000 VERT 1:1000

Station	Existing Level	Design Level	Chainage
300.00	3.79	4.38	0.59
320.00	3.58	4.46	0.88
340.00	3.47	4.38	0.91
360.00	3.37	4.26	0.89
380.00	3.38	4.15	0.76
400.00	3.21	4.03	0.82
420.00	2.98	3.91	0.94
440.00	2.75	3.80	1.05
460.00	2.52	3.68	1.16

Vertical Curve Data:

- VC 17.90, A.D. -1.8%, IP CH 234.57/RL 4.70
- VC 14.11, A.D. -1.4%, IP CH 299.10/RL 4.64
- VC 30.21, A.D. -1.3%, IP CH 150.84/RL 5.05
- VC 37.94, A.D. 1.9%, IP CH 265.96/RL 4.38

Profile - Residential Rd R106 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R107  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	By	Date
MAVEN	MAVEN	05/2025

Design	By	Date
AJS	AJS	07/26

Drawn	By	Date
AJS	AJS	07/26

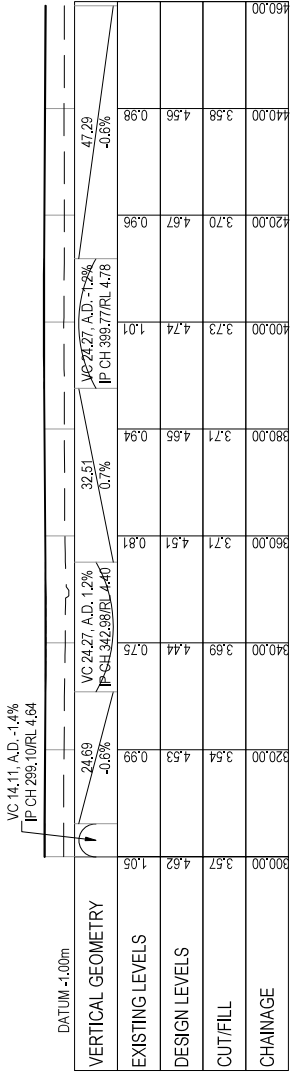
Checked	By	Date
MAK	MAK	03/26



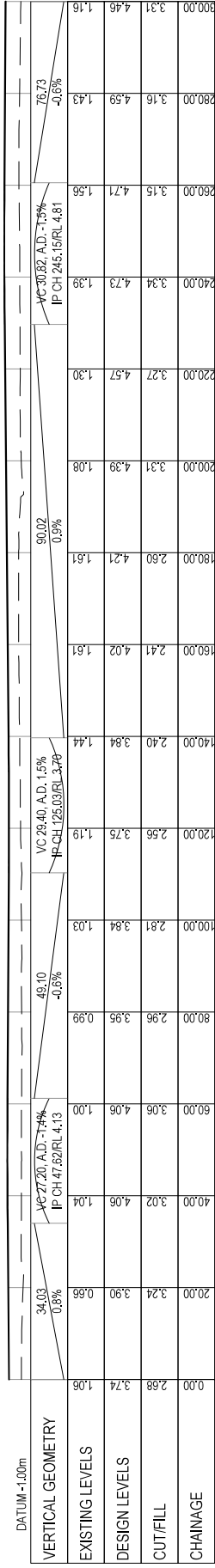
Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

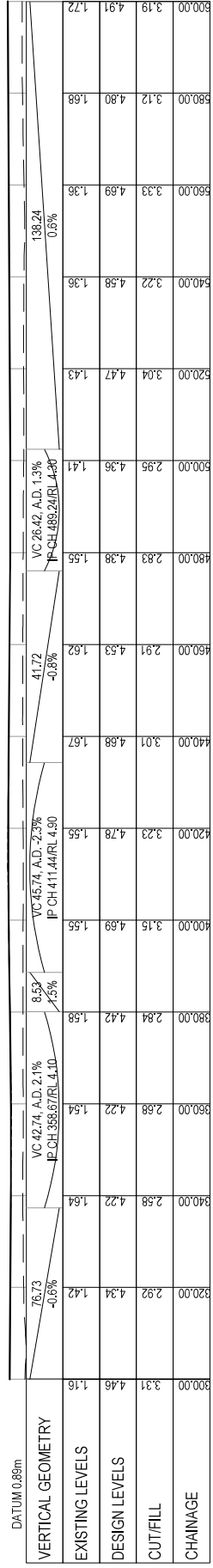
Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324-DWG
Drawing no.	C324-4
Rev	B



Profile - Residential Rd R107 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R108  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R108 (1)  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND

PROPOSED SURFACE  
EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	02/26
B	FOR CONSENT	ALS	03/26

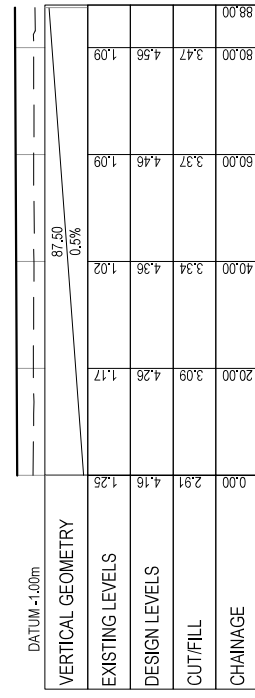
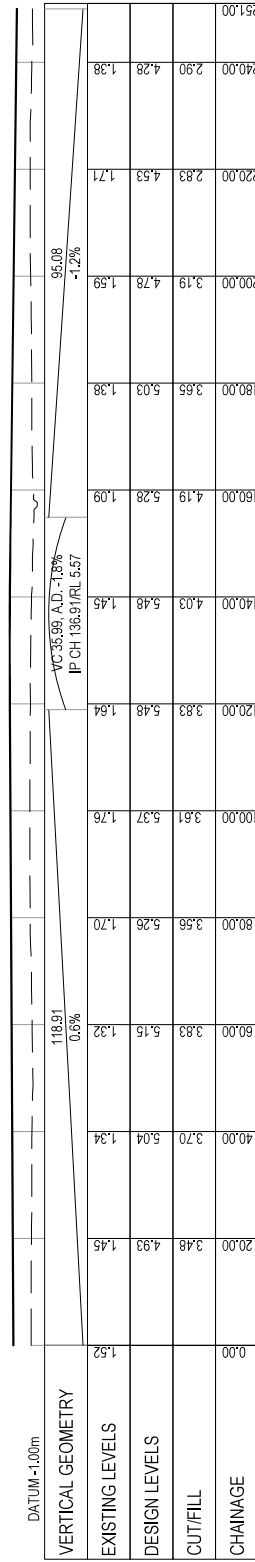
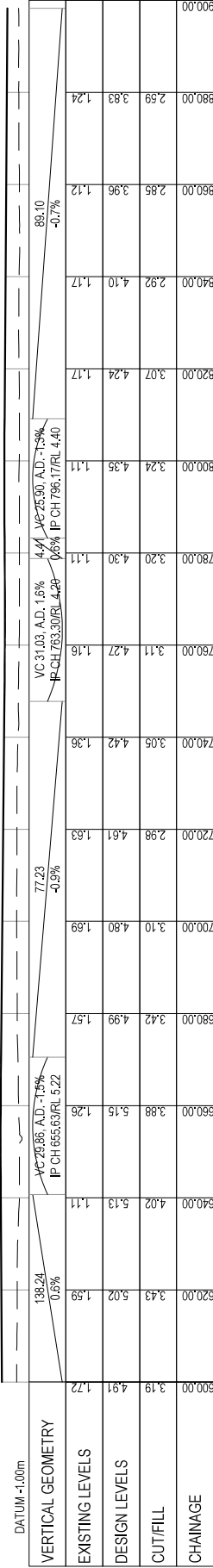
Survey	MAVEN	15/02/25
Design	ALS	02/26
Drawn	ALS	02/26
Checked	JK	03/26



Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-5
Rev	B



LEGEND  
 - - - - - PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	MAVEN	05/2025
Design	AJS	02/26
Drawn	AJS	02/26
Checked	MK	03/26



**Project**  
 WAIRAKEI SOUTH FTA090  
 DEVELOPMENT  
 BELL ROAD, PAPAMOA  
 FOR BELL ROAD  
 LIMITED PARTNERSHIP

**Title**  
 PROPOSED ROADING  
 LOCAL ROADS  
 LONG SECTION PLAN

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324-DWG
Drawing no.	C324-G
Rev	B

**FOR CONSENT**

DATUM -1.00m

VERTICAL GEOMETRY	84.50 0.6%	
EXISTING LEVELS	1.10	1.02
DESIGN LEVELS	4.10	4.54
CUT/FILL	3.00	3.52
CHAINAGE	0.00	80.00

Profile - Residential Rd R111  
SCALE: Hori 1:1000 VERT 1:1000

DATUM -1.00m

VERTICAL GEOMETRY	39.48 -0.8%		SWALE S4		30.93 0.5%	
EXISTING LEVELS	0.77	1.23	1.37	1.37	1.37	1.32
DESIGN LEVELS	4.00	3.83	3.66	3.60	2.23	2.38
CUT/FILL	3.23	2.60	2.91	2.19	2.33	2.38
CHAINAGE	0.00	20.00	40.00	60.00	80.00	100.00

Profile - Residential Rd R112  
SCALE: Hori 1:1000 VERT 1:1000

VERTICAL GEOMETRY	43.72 0.7%	43.72 0.7%	41.56 -0.6%	41.56 -0.6%	38.39 0.7%	38.39 0.7%	31.47 -0.9%	31.47 -0.9%	VC 27.17 A.D. 1.4% IP CH 29.19/RL 3.70	VC 27.17 A.D. 1.4% IP CH 29.19/RL 3.70	63.66 0.6%
EXISTING LEVELS	1.02	1.13	1.05	1.21	1.26	1.37	1.41	1.46	1.33	1.33	1.31
DESIGN LEVELS	3.70	3.85	3.98	3.86	3.75	3.94	3.95	3.79	3.75	3.75	3.86
CUT/FILL	2.68	2.72	2.93	2.65	2.49	2.57	2.54	2.33	2.43	2.43	2.56
CHAINAGE	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00

Profile - Residential Rd R113  
SCALE: Hori 1:1000 VERT 1:1000

**FOR CONSENT**

LEGEND  
 PROPOSED SURFACE  
 EXISTING SURFACE

By	Date		
Survey	MAYEN		
Design	AJS		
Drawn	AJS		
Checked	MK		
Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

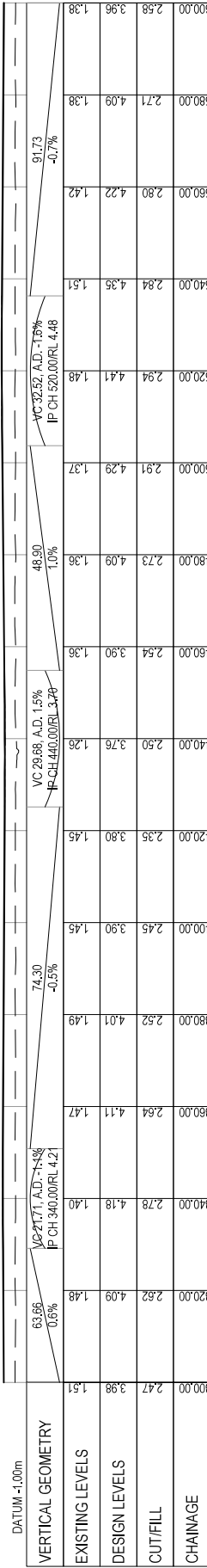


Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**

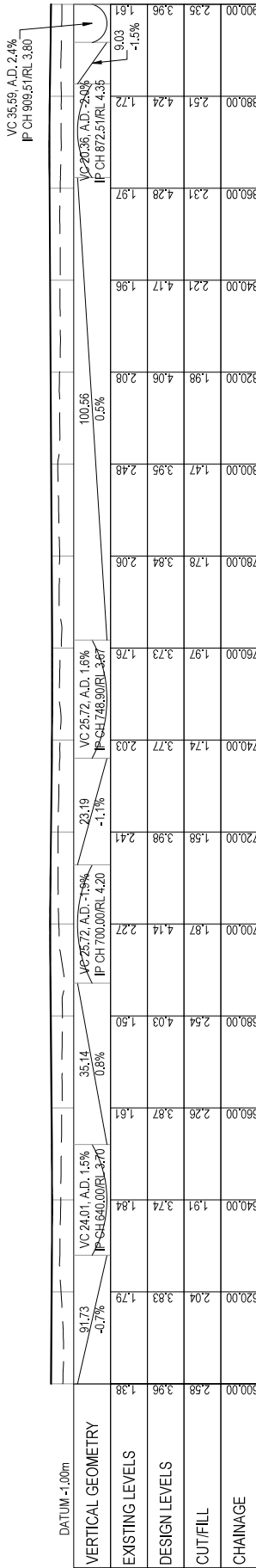
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

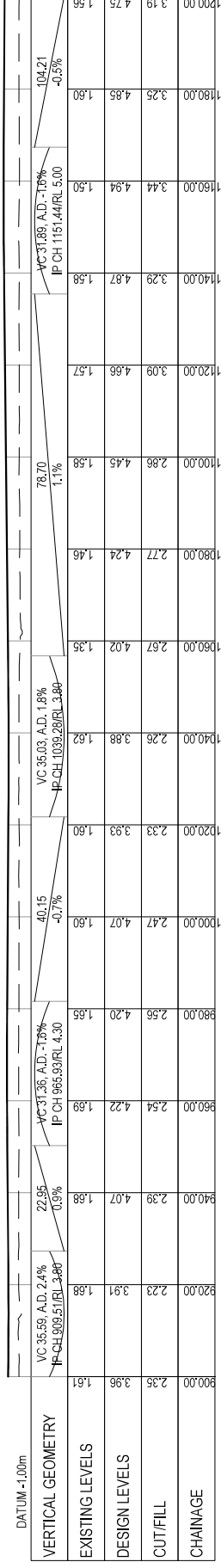
Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-G324.DWG
Drawing no.	C324-7
Rev	B



Profile - Residential Rd R113 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R113 (2)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R113 (3)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	AJS	02/26
B	FOR CONSENT	AJS	02/26

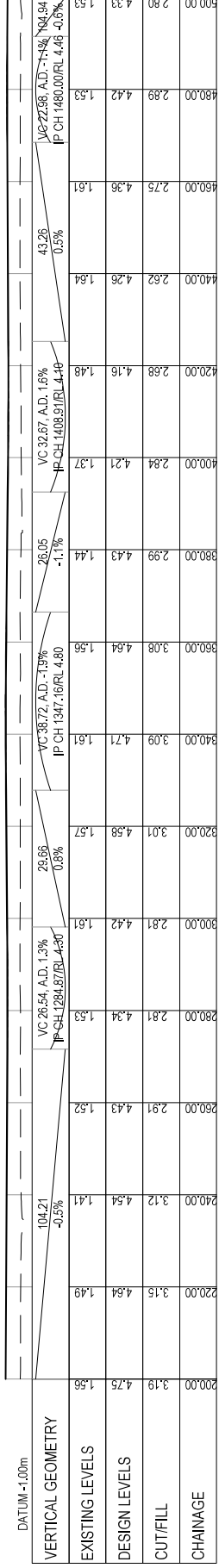
MAVEN  
 Maiven Bay of Plenty  
 118 Cameron Street, Tauranga  
 New Zealand

Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

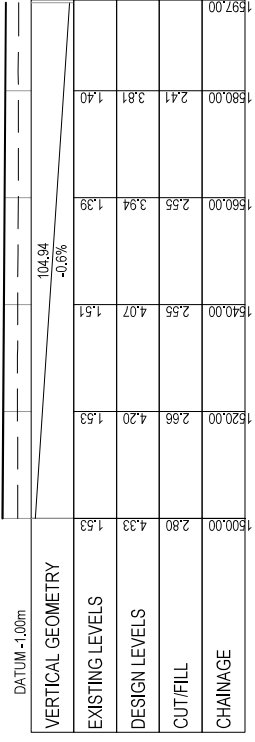
Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324-DWG
Drawing no.	C324-S
Rev	B

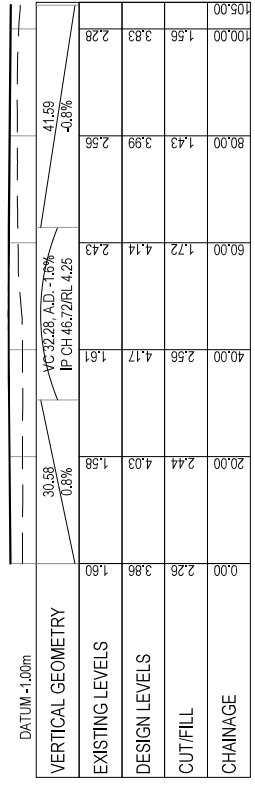
**FOR CONSENT**



Profile - Residential Rd R113 (4)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R113 (5)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R114  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	AJS	02/26
B	FOR CONSENT	AJS	03/26

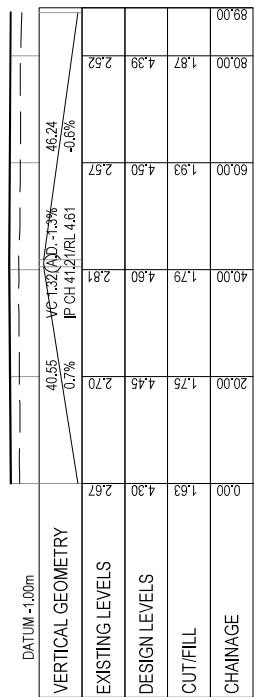
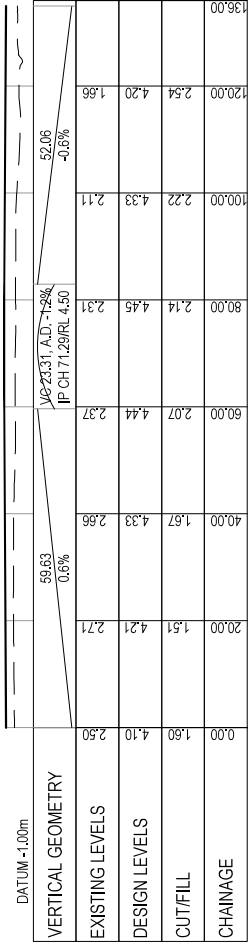
**M A E N**  
 Maiven Bay of Plenty  
 118 Cameron Street, Tauranga  
 www.maiven.co.nz

Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324-DWG
Drawing no.	C324-9
Rev	B

**FOR CONSENT**



LEGEND  
 ——— PROPOSED SURFACE  
 - - - - - EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	ALS	03/26
A	DRAFT FOR REVIEW	ALS	02/26

Survey	By	Date
MAVEN	MAVEN	05/2025
Design	By	Date
ALS	ALS	07/26
Drawn	By	Date
ALS	ALS	02/26
Checked	By	Date
JK	JK	03/26

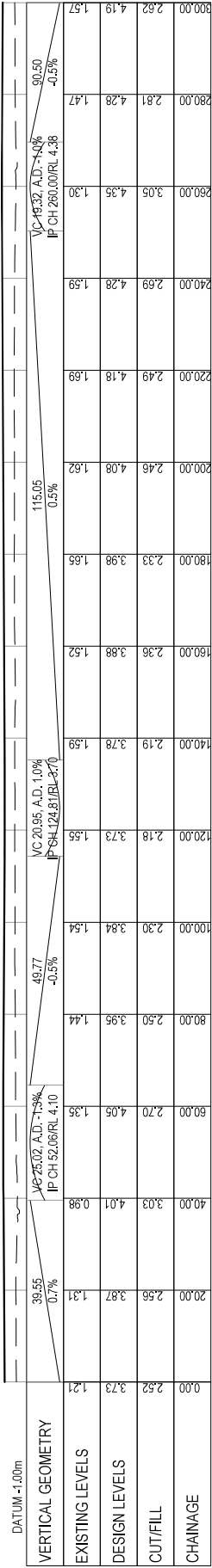
**Maven Bay of Plenty**  
 18 Cameron Street, Tauranga  
 Tauranga, Bay of Plenty  
 New Zealand  
 www.maven.co.nz

Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

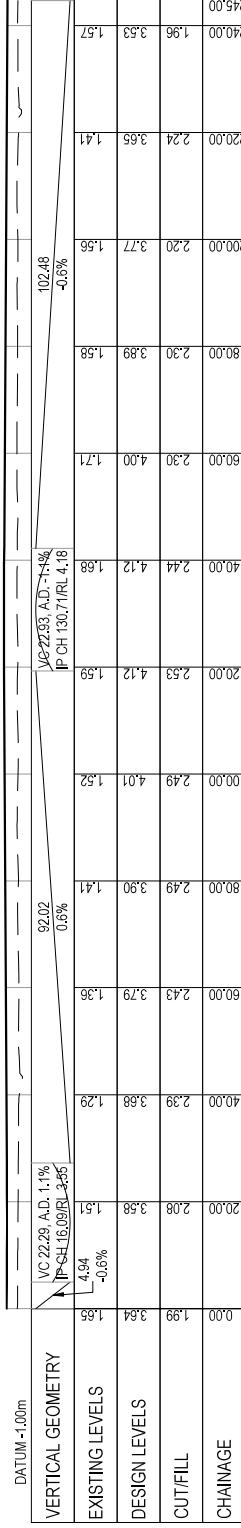
Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-10
Rev	B

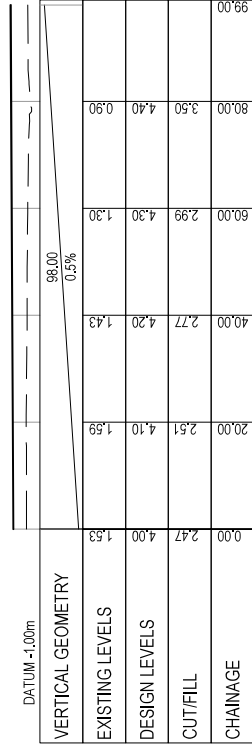
FOR CONSENT



Profile - Residential Rd R116  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R116a  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R117  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	MAVEN	05/2025
Design	AJS	02/26
Drawn	AJS	02/26
Checked	MK	03/26

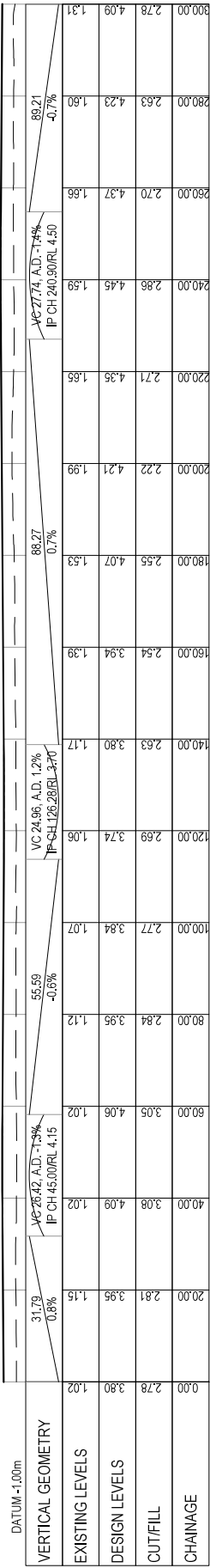


Project  
**WAIRAKEI SOUTH FTA090**  
**DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD**  
**LIMITED PARTNERSHIP**

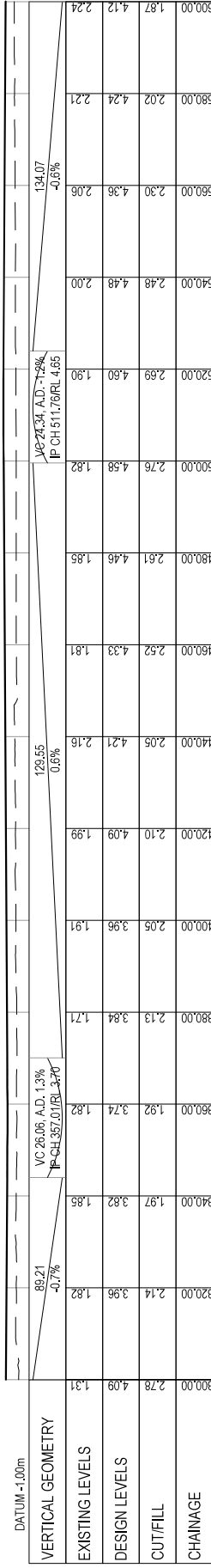
Title  
**PROPOSED ROADING**  
**LOCAL ROADS**  
**LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-G324.DWG
Drawing no.	C324-11
Rev	B

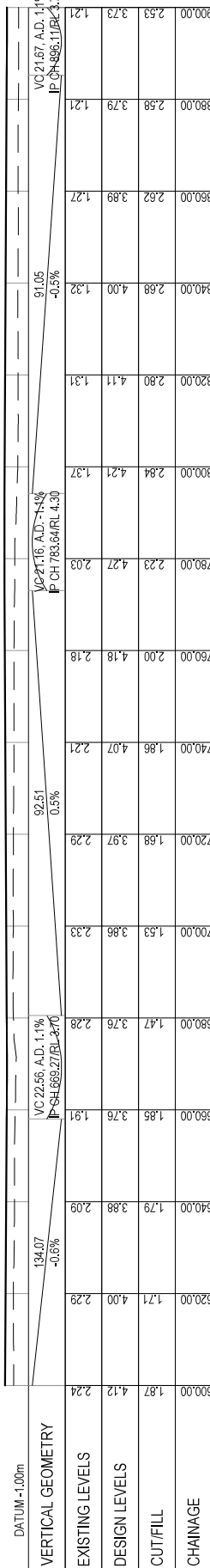
**FOR CONSENT**



Profile - Residential Rd R118 (1)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R118 (2)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R118 (3)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND

PROPOSED SURFACE  
EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	AJS	02/26
B	FOR CONSENT	AJS	03/26

Survey	MAVEN	05/02/25
Design	AJS	02/26
Drawn	AJS	02/26
Checked	MK	03/26

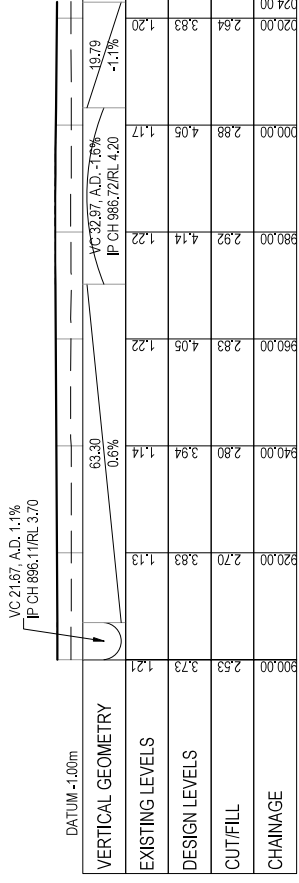


Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA**  
**FOR BELL ROAD LIMITED PARTNERSHIP**

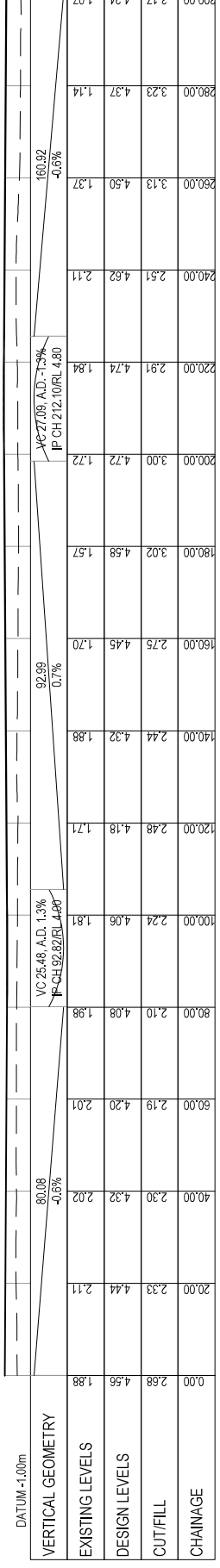
Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-12
Rev	B

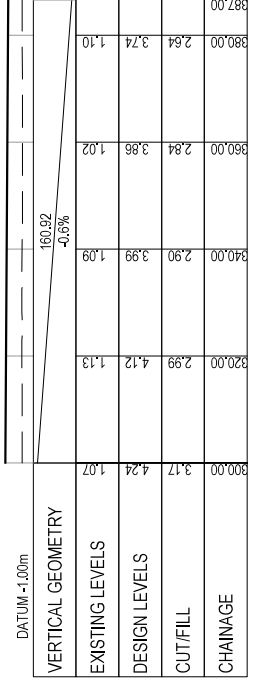
FOR CONSENT



Profile - Residential Rd R118 (3)  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R119  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R119 (1)  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND

PROPOSED SURFACE  
EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	ALS	03/26
A	DRAFT FOR REVIEW	ALS	02/26

Survey	MAVEN	Date	05/02/25
Design	ALS	Date	02/26
Drawn	ALS	Date	02/26
Checked	MK	Date	03/26

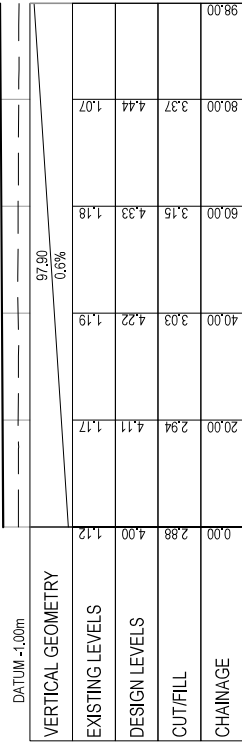
**M**aven Bay of Plenty  
 118 Coleridge Street, Tauranga  
 Tauranga, Bay of Plenty  
 www.maven.co.nz

Project **WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

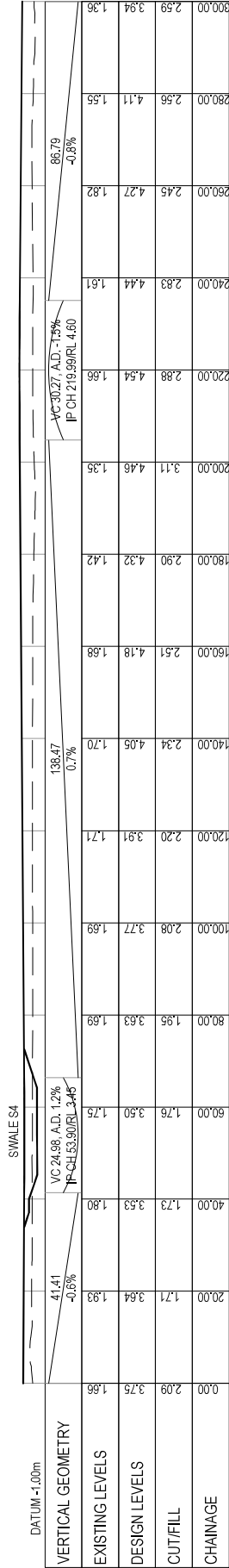
Title **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOP0749
Scale	1:1000 @ A3
Card file	BOP0749-C324.DWG
Drawing no.	C324-13
Rev	B

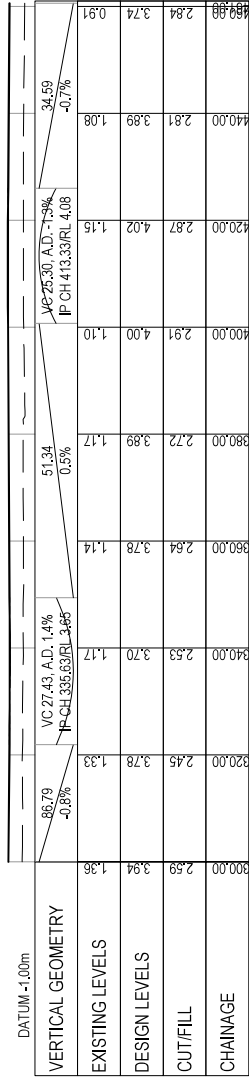
**FOR CONSENT**



Profile - Residential Rd R120  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R121  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Residential Rd R121 (1)  
SCALE: HORI 1:1000 VERT 1:1000

Rev	Description	By	Date
A	DRAFT FOR REVIEW	ALS	02/26
B	FOR CONSENT	ALS	03/26

Checked	By	Date
	MAVEN	05/2025
	ALS	02/26
	ALS	02/26
	JK	03/26

**M A E N**  
Maven Bay of Plenty  
118 Colwood Street, Tauranga  
www.maven.co.nz

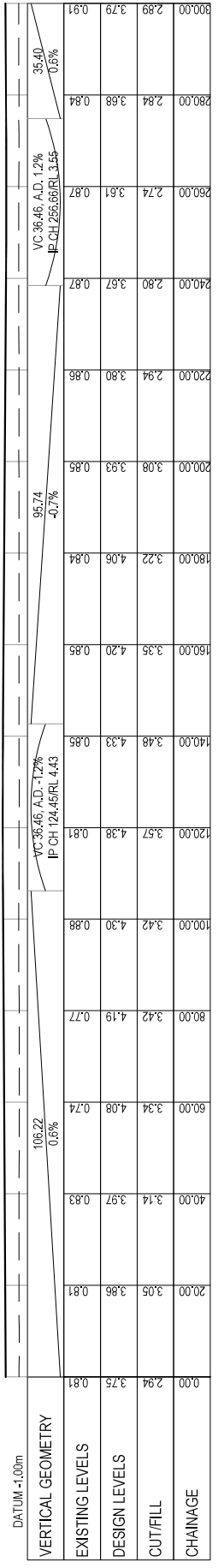
Project	WAIRAKEI SOUTH FTA090 DEVELOPMENT BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP
Title	PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN
Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-14
Rev	B

FOR CONSENT

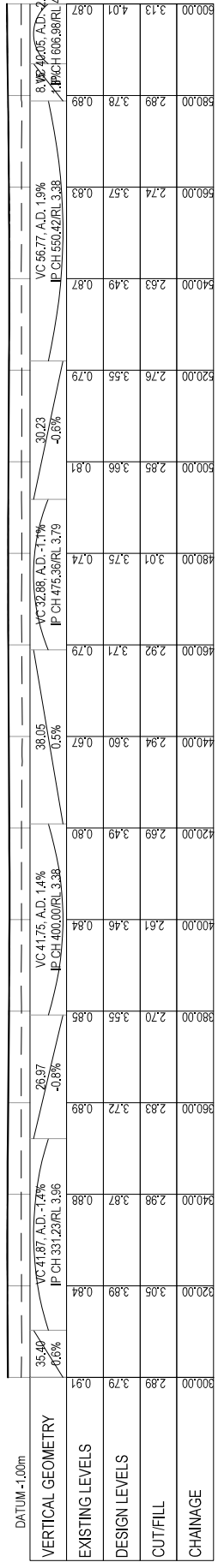
DATUM -1.00m

VERTICAL GEOMETRY	93.74	0.5%
EXISTING LEVELS	4.20	1.67
DESIGN LEVELS	4.10	1.67
CUT/FILL	2.19	3.90
CHAINAGE	0.00	2.10

Profile - Residential Rd R122  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Industrial Rd R123  
SCALE: HORI 1:1000 VERT 1:1000



Profile - Industrial Rd R123 (1)  
SCALE: HORI 1:1000 VERT 1:1000

FOR CONSENT

LEGEND

---	PROPOSED SURFACE
---	EXISTING SURFACE

Rev	Description	By	Date
A	DRAFT FOR REVIEW	AK	02/26
B	FOR CONSENT	AK	03/26

Survey	MAVEN	05/2025
Design	AKS	02/26
Drawn	AKS	02/26
Checked	AK	03/26

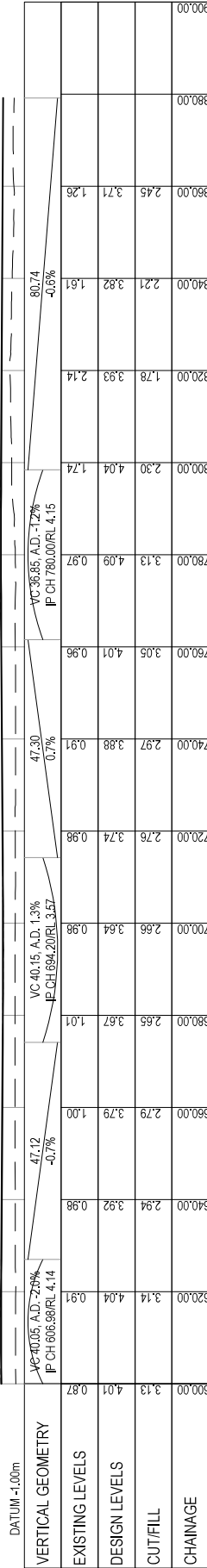


Project: **WAIRAKEI SOUTH FTA090 DEVELOPMENT**

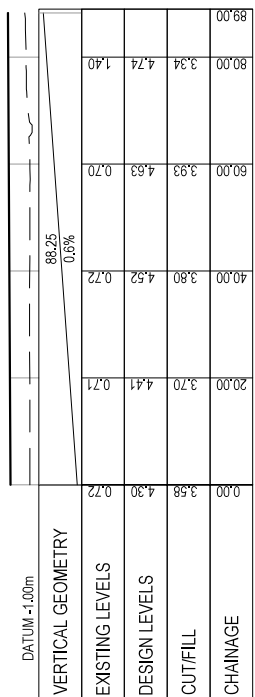
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title: **PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

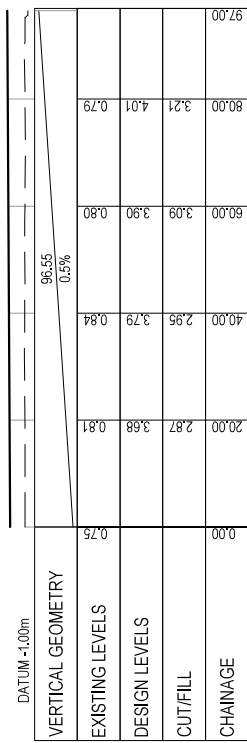
Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-15
Rev	B



Profile-Industrial Rd R123 (2)  
SCALE: HORI 1:1000 VERT 1:1000



Profile-Industrial Rd R124  
SCALE: HORI 1:1000 VERT 1:1000



Profile-Industrial Rd R125  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 ——— PROPOSED SURFACE  
 - - - - EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	Design	Drawn	Checked
MAVEN	AJS	AJS	MK
05/2025	02/26	02/26	03/26

**M A V E N**  
 Maiven Bay of Plenty  
 118 Colwyn Street, Tauranga  
 www.maiven.co.nz

Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-16
Rev	B

**FOR CONSENT**

DATUM = -1.00m

VERTICAL GEOMETRY	0.00	20.00	2.74	3.55	0.81	40.00	2.91	3.71	0.81	60.00	3.06	3.88	0.82	80.00	3.32	4.05	0.73	98.00
EXISTING LEVELS																		
DESIGN LEVELS	3.38	3.54	2.54	3.38	0.84													
CUT/FILL																		
CHAINAGE																		

Profile - Industrial Rd R126  
SCALE: HORI 1:1000 VERT 1:1000

DATUM = -1.00m

VERTICAL GEOMETRY	0.00	20.00	2.67	3.54	0.87	40.00	2.79	3.70	0.91	60.00	3.04	3.86	0.82	80.00	3.22	4.02	0.80	100.00
EXISTING LEVELS																		
DESIGN LEVELS	3.38	2.55	2.55	3.38	0.83													
CUT/FILL																		
CHAINAGE																		

Profile - Industrial Rd R127  
SCALE: HORI 1:1000 VERT 1:1000

DATUM = -1.00m

VERTICAL GEOMETRY	0.00	20.00	2.26	3.69	1.43	40.00	2.63	3.82	1.18	60.00	2.95	3.94	0.99	80.00	3.00	4.07	1.06	97.00
EXISTING LEVELS																		
DESIGN LEVELS	1.44																	
CUT/FILL																		
CHAINAGE																		

Profile - Industrial Rd R128  
SCALE: HORI 1:1000 VERT 1:1000

LEGEND  
 \_\_\_\_\_ PROPOSED SURFACE  
 \_\_\_\_\_ EXISTING SURFACE

Rev	Description	By	Date
B	FOR CONSENT	AJS	03/26
A	DRAFT FOR REVIEW	AJS	02/26

Survey	MAVEN	05/2025
Design	AJS	02/26
Drawn	AJS	02/26
Checked	MK	03/26



Project  
**WAIRAKEI SOUTH FTA090 DEVELOPMENT**  
**BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP**

Title  
**PROPOSED ROADING LOCAL ROADS LONG SECTION PLAN**

Project no.	BOF0749
Scale	1:1000 @ A3
Card file	BOF0749-C324.DWG
Drawing no.	C324-17
Rev	B

FOR CONSENT

