

DRAWING No.	DRAWING TITLE
4288564-000-CA-0001	DRAWINGS LIST
4288564-000-CA-0002	ROADING KEY PLAN
4288564-000-CA-0003	ROAD GENERAL ARRANGEMENT
4288564-100-CA-1001	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 01
4288564-100-CA-1002	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 02
4288564-100-CA-1003	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 03
4288564-100-CA-1004	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 04
4288564-100-CA-1005	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 05
4288564-100-CA-1006	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 06
4288564-100-CA-1007	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 07
4288564-100-CA-1008	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 08
4288564-100-CA-1009	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 09
4288564-100-CA-1010	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 10
4288564-100-CA-1011	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 11
4288564-100-CA-1201	COLLECTOR ROAD PLAN AND LONG SECTION SHEET 01
4288564-100-CA-1301	CHALMERS ROAD EXTENSION PLAN AND LONG SECTION SHEET 01
4288564-100-CA-1401	TE KOWHAI ROAD PLAN AND LONG SECTION SHEET 01
4288564-100-CA-1402	TE KOWHAI ROAD PLAN AND LONG SECTION SHEET 02
4288564-100-CA-1403	TE KOWHAI ROAD PLAN AND LONG SECTION SHEET 03
4288564-100-CA-1404	TE KOWHAI ROAD PLAN AND LONG SECTION SHEET 04
4288564-100-CA-1405	TE KOWHAI ROAD PLAN AND LONG SECTION SHEET 05
4288564-100-CA-1406	TE KOWHAI ROAD PLAN AND LONG SECTION SHEET 06
4288564-100-CA-1501	ARTHUR PORTER DRIVE PLAN AND LONG SECTION SHEET 01
4288564-100-CA-1502	ARTHUR PORTER DRIVE PLAN AND LONG SECTION SHEET 02
4288564-100-CA-1503	ARTHUR PORTER DRIVE PLAN AND LONG SECTION SHEET 03
4288564-100-CA-1511	ARUTHER PORTER DRIVE REALIGNMENT
4288564-100-CA-1601	BURBUSH ROAD PLAN AND LONG SECTION SHEET 01
4288564-100-CA-2000	TYPICAL ROAD CROSS SECTIONS SHEET 01
4288564-100-CA-2001	TYPICAL ROAD CROSS SECTIONS SHEET 02
4288564-100-CA-2002	TYPICAL ROAD CROSS SECTIONS SHEET 03
4288564-100-CA-2003	TYPICAL ROAD CROSS SECTIONS SHEET 04
4288564-100-CA-2004	TYPICAL ROAD CROSS SECTIONS SHEET 05
4288564-100-CA-2005	TYPICAL ROAD CROSS SECTIONS SHEET 06
4288564-100-CA-2006	RAIL CROSSING DETAIL
4288564-100-CA-2007	MIDBLOCK TURNING FACILITY
4288564-200-CA-2101	ICMP BOUNDARIES
4288564-200-CA-2102	CATCHMENT BOUNDARIES
4288564-200-CA-2103	FLOOD EXTENTS
4288564-200-CA-2400	STORMWATER LAYOUT SHEET
4288564-200-CA-2401	STORMWATER MANAGEMENT PLAN SHEET 01
4288564-200-CA-2402	STORMWATER MANAGEMENT PLAN SHEET 02
4288564-200-CA-2403	STORMWATER MANAGEMENT PLAN SHEET 03
4288564-200-CA-2404	STORMWATER MANAGEMENT PLAN SHEET 04
4288564-200-CA-2405	STORMWATER MANAGEMENT PLAN SHEET 05

DRAWING No.	DRAWING TITLE
4288564-200-CA-2500	CULVERT TYPICAL DETAIL AND CULVERT SCHEDULE
4288564-200-CA-2501	DELETED DRAWING
4288564-200-CA-2502	RAIN GARDEN PLAN
4288564-200-CA-2503	RAIN GARDEN SECTION
4288564-200-CA-2504	TYPICAL ROAD DRAINAGE CROSS SECTION
4288564-200-CA-2505	TYPICAL CHANNEL SECTION
4288564-200-CA-2601	WETLAND CATCHMENT OVERVIEW PLAN SHEET 1
4288564-200-CA-2602	WETLAND CATCHMENT OVERVIEW PLAN SHEET 2
4288564-200-CA-2603	WETLAND CATCHMENT OVERVIEW PLAN SHEET 3
4288564-200-CA-2604	WETLAND CATCHMENT OVERVIEW PLAN SHEET 4
4288564-200-CA-2701	STORMWATER MANAGEMENT AREA WETLAND D6C
4288564-200-CA-2702	STORMWATER MANAGEMENT AREA WETLAND D7B
4288564-200-CA-2703	STORMWATER MANAGEMENT AREA WETLAND G6
4288564-200-CA-2704	STORMWATER MANAGEMENT AREA WETLAND G4A & G4B
4288564-200-CA-2705	STORMWATER MANAGEMENT AREA WETLAND G8
4288564-200-CA-2706	STORMWATER MANAGEMENT AREA WETLAND 6A
4288564-200-CA-2707	STORMWATER MANAGEMENT AREA WETLAND G7
4288564-300-CA-0000	CONCEPT DESIGN PLAN SHEET INDEX
4288564-300-CA-0001	CONCEPT DESIGN PLAN SHEET 1
4288564-300-CA-0002	CONCEPT DESIGN PLAN SHEET 2
4288564-300-CA-0003	CONCEPT DESIGN PLAN SHEET 3
4288564-300-CA-0004	CONCEPT DESIGN PLAN SHEET 4
4288564-300-CA-0005	CONCEPT DESIGN PLAN SHEET 5
4288564-300-CA-0006	CONCEPT DESIGN PLAN SHEET 6
4288564-300-CA-0010	LAND REQUIREMENT PLAN OVERALL PLAN
4288564-300-CA-0011	LAND REQUIREMENT PLAN SHEET 1
4288564-300-CA-0012	LAND REQUIREMENT PLAN SHEET 2
4288564-300-CA-0013	LAND REQUIREMENT PLAN SHEET 3
4288564-300-CA-0014	LAND REQUIREMENT PLAN SHEET 4
4288564-300-CA-0015	LAND REQUIREMENT PLAN SHEET 5
4288564-300-CA-0016	LAND REQUIREMENT PLAN SHEET 6

G	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
F	NOTICE OF REQUIREMENT	AT	NT	DA	11.04.22
E	DRAFT FOR INFORMATION				25.01.20
D	DRAFT FOR INFORMATION	AAW	NT	BS	12.08.20
No.	Revision	By	Chk	Appd	Date

Drawing Originator:



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
N/A	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Dwg Verifier			
N/A	Dwg Check			
	* Refer to Revision 1 for Original Signature			

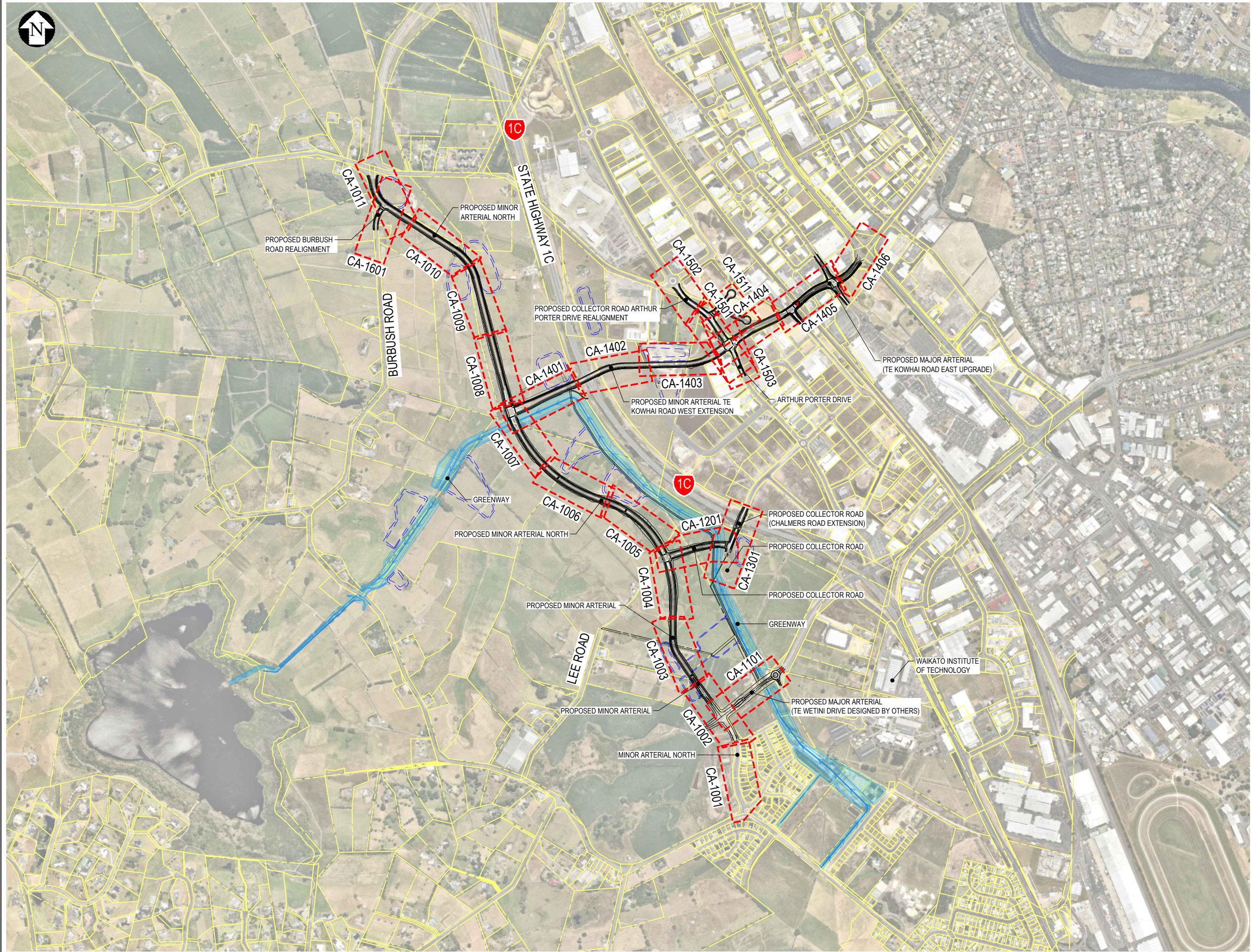
Client:	Hamilton City Council Te kaunihera o Kirikiriroa
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Project:	ROTOKAURI ARTERIALS DESIGNATION
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Title:	DRAWINGS LIST
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Discipline	CIVIL ENGINEERING
Drawing No.	4288564-000-CA-0001
Rev.	G



E	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
D	NOTICE OF REQUIREMENT	AT	NT	DA	11.04.22
C	DRAFT FOR INFORMATION	AAW	NT	BS	12.08.20
B	UPDATE FROM INITIAL HOC REVIEW	HJC	NT	BS	15.06.20
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Original Scale (A1) 1:7500
Reduced Scale (A3) 1:15000

Design	M. Tam	10.03.20	Approved For Construction*
Drawn	M. Tam	15.05.20	Date
Design Checker			
Dwg Check			
* Refer to Revision 1 for Original Signature			

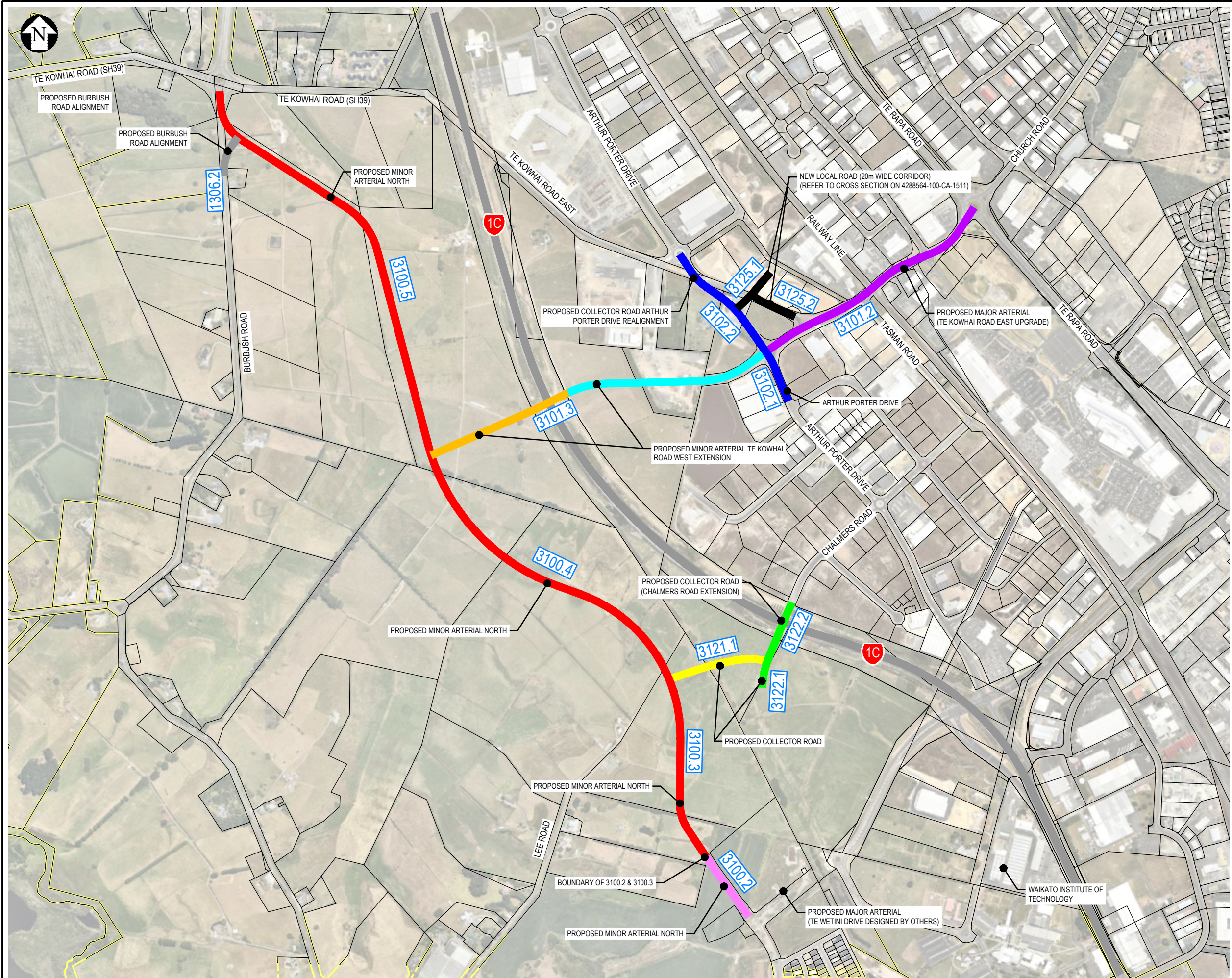
Client:

Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: ROADING KEY PLAN

Discipline	CIVIL ENGINEERING
Drawing No.	4288564-000-CA-0002
Rev.	E



LEGEND

- 3100.3 ROAD SCHEDULE NUMBER
- ZONE 1
- ZONE 2
- ZONE 3
- ZONE 4
- ZONE 5
- ZONE 6
- ZONE 7
- ZONE 8
- LOCAL ROAD (REF 4288564-100-CA-1511)
- STATE HIGHWAY (1C)

NOTES

1. ZONES REFER TO THE ROAD CORRIDOR THAT ADOPT THE SAME CROSS SECTION CONFIGURATION.
2. REFER TO THE TYPICAL ROAD CROSS SECTION DRAWINGS. (4288534-100-CA-2000 to 2005)

ORIGINAL DRAWING
IN COLOUR

FOR INFORMATION
NOT FOR CONSTRUCTION

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

E	NOTICE OF REQUIREMENT UPDATE	AF	CH	CS	12.09.23
D	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
C	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
B	NOTICE OF REQUIREMENT	AT	NT	AD	11.04.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:
Beca

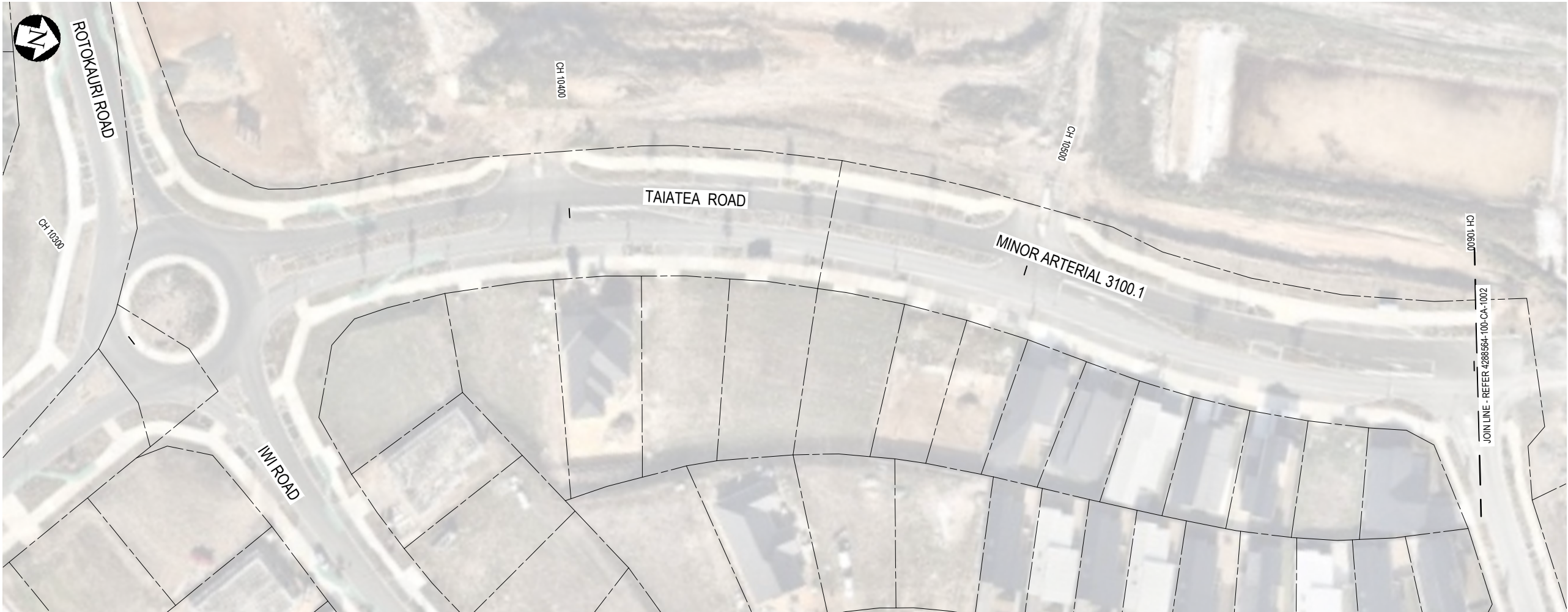
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Reduced Scale (A3) 1:10000	Design Check M. Tam 10.03.20	Design Check A. Webb 12.08.20	Date
	* Refer to Revision 1 for Original Signature		

Client:	Project:
	ROTORAURI ARTERIALS DESIGNATION

Title:
ROAD GENERAL ARRANGEMENT

Discipline
CIVIL ENGINEERING

Drawing No.	Rev.
4288564-000-CA-0003	E



PLAN
SCALE 1:500

LEGEND

EXISTING

INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR

PROPOSED DESIGNATION BOUNDARY

EXISTING LEGAL BOUNDARY

PROPOSED

CH 10000

CHAINAGE

BERM / VERGE

ROADWAY

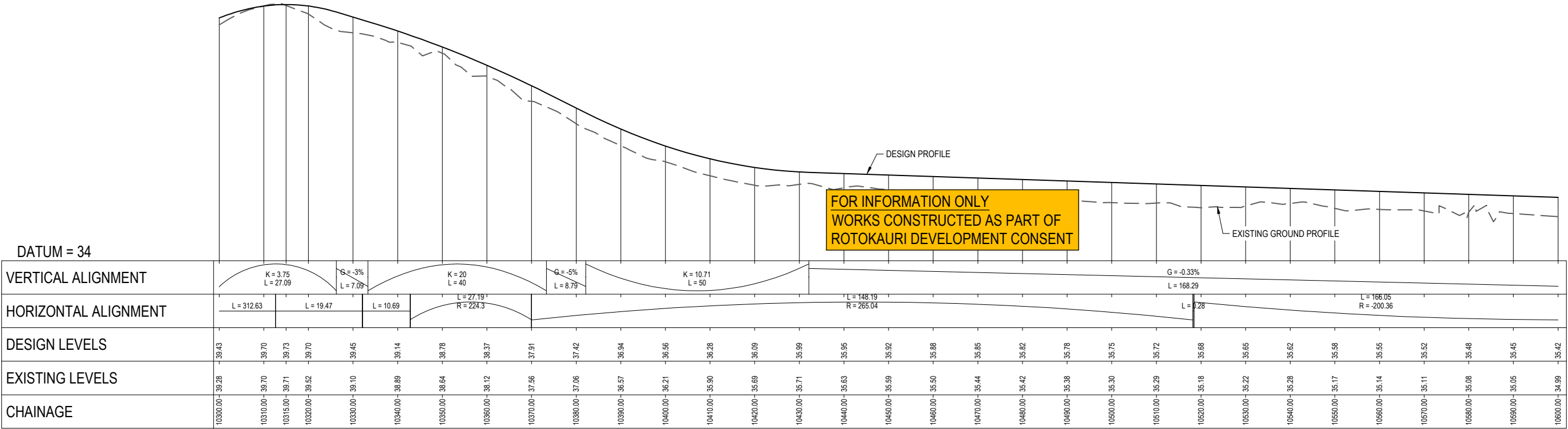
CYCLE PATH

FOOTPATH

GREENWAY EXTENT

PLATFORM RAMP

SEPARATED CYCLE/ PEDESTRIAN CROSSING



DATUM = 34

VERTICAL ALIGNMENT																																
HORIZONTAL ALIGNMENT																																
DESIGN LEVELS	-39.43	-39.70	-39.73	-39.70	-39.45	-39.14	-38.78	-38.37	-37.91	-37.42	-36.94	-36.56	-36.28	-36.09	-35.99	-35.95	-35.92	-35.88	-35.85	-35.82	-35.78	-35.75	-35.72	-35.68	-35.65	-35.62	-35.58	-35.55	-35.52	-35.48	-35.45	-35.42
EXISTING LEVELS	-39.28	-39.70	-39.71	-39.52	-39.10	-38.89	-38.64	-38.12	-37.56	-37.06	-36.57	-36.21	-35.90	-35.69	-35.71	-35.63	-35.59	-35.50	-35.44	-35.42	-35.38	-35.30	-35.29	-35.18	-35.22	-35.28	-35.17	-35.14	-35.11	-35.08	-35.05	-34.99
CHAINAGE	10300.00	10310.00	10315.00	10320.00	10330.00	10340.00	10350.00	10360.00	10370.00	10380.00	10390.00	10400.00	10410.00	10420.00	10430.00	10440.00	10450.00	10460.00	10470.00	10480.00	10490.00	10500.00	10510.00	10520.00	10530.00	10540.00	10550.00	10560.00	10570.00	10580.00	10590.00	10600.00

A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Beca

Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	
Reduced Scale (A3)	Dwg Verifier			Date
DAWG CHECK	Dwg Check			
HALF SHOWN	* Refer to Revision 1 for Original Signature			

Client:

Hamilton City Council

Te kaunihera o Kirikiriroa

Project:

ROTKAURI ARTERIALS DESIGNATION

Title:

MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 01

Discipline

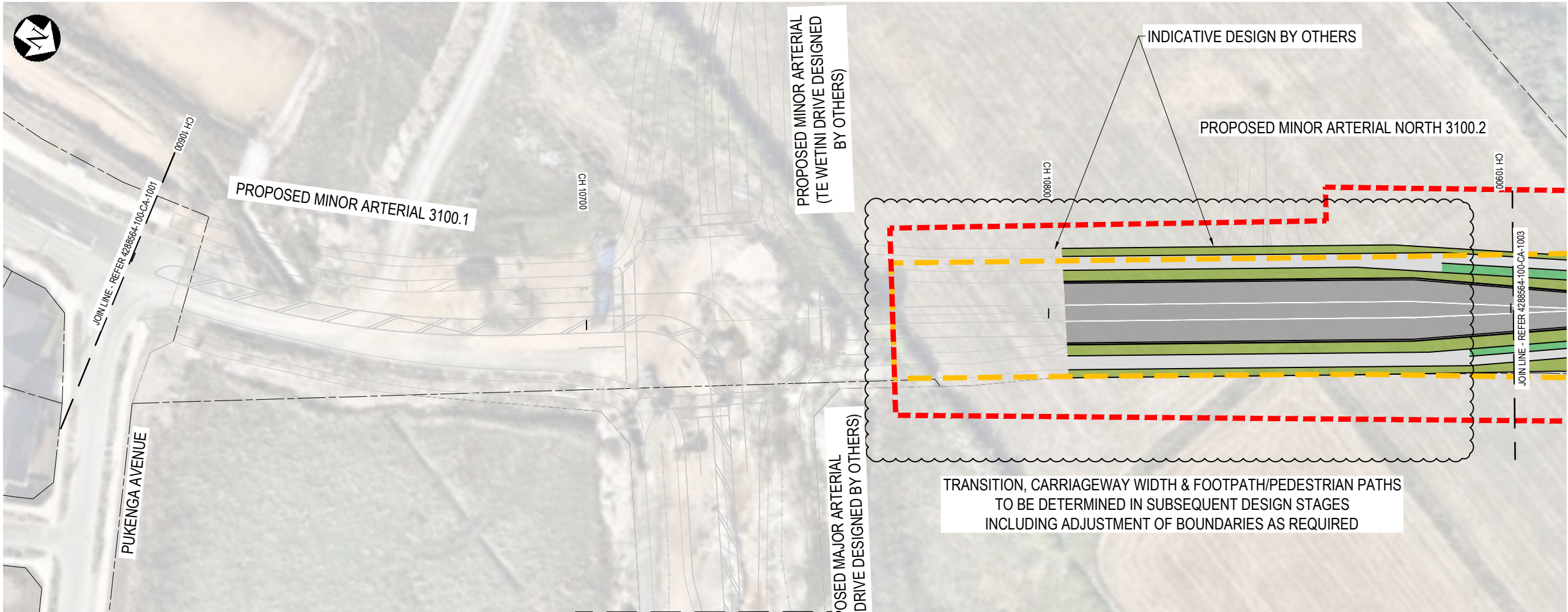
CIVIL ENGINEERING

Drawing No.

4288564-100-CA-1001

Rev.

H



LEGEND

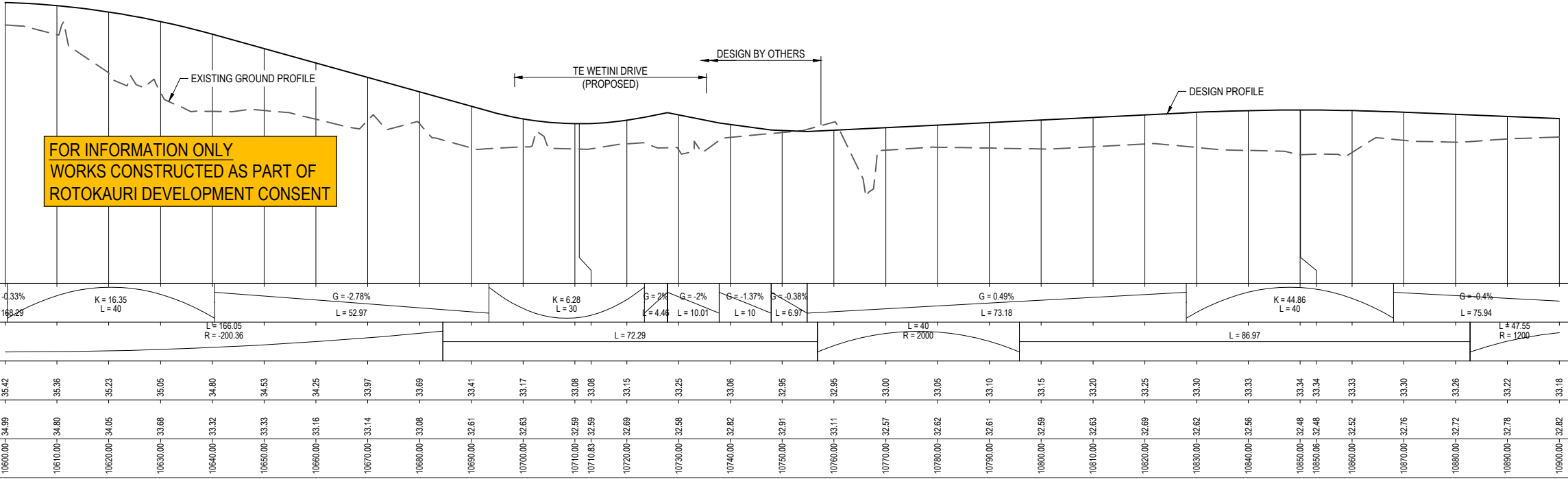
EXISTING

- INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR
- PROPOSED DESIGNATION BOUNDARY
- EXISTING LEGAL BOUNDARY

PROPOSED

CH 10000 CHAINAGE

- BERM / VERGE
- ROADWAY
- CYCLE PATH
- FOOTPATH
- GREENWAY EXTENT
- PLATFORM RAMP
- SEPARATED CYCLE/PEDESTRIAN CROSSING



A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Beca

Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Dwg Verifier			
HALF SHOWN	Dwg Check			
	* Refer to Revision 1 for Original Signature			

Client:

Hamilton City Council

Te kaunihera o Kirikiriroa

Project:

ROTKAURI ARTERIALS DESIGNATION

Title:

**MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 02**

Discipline:

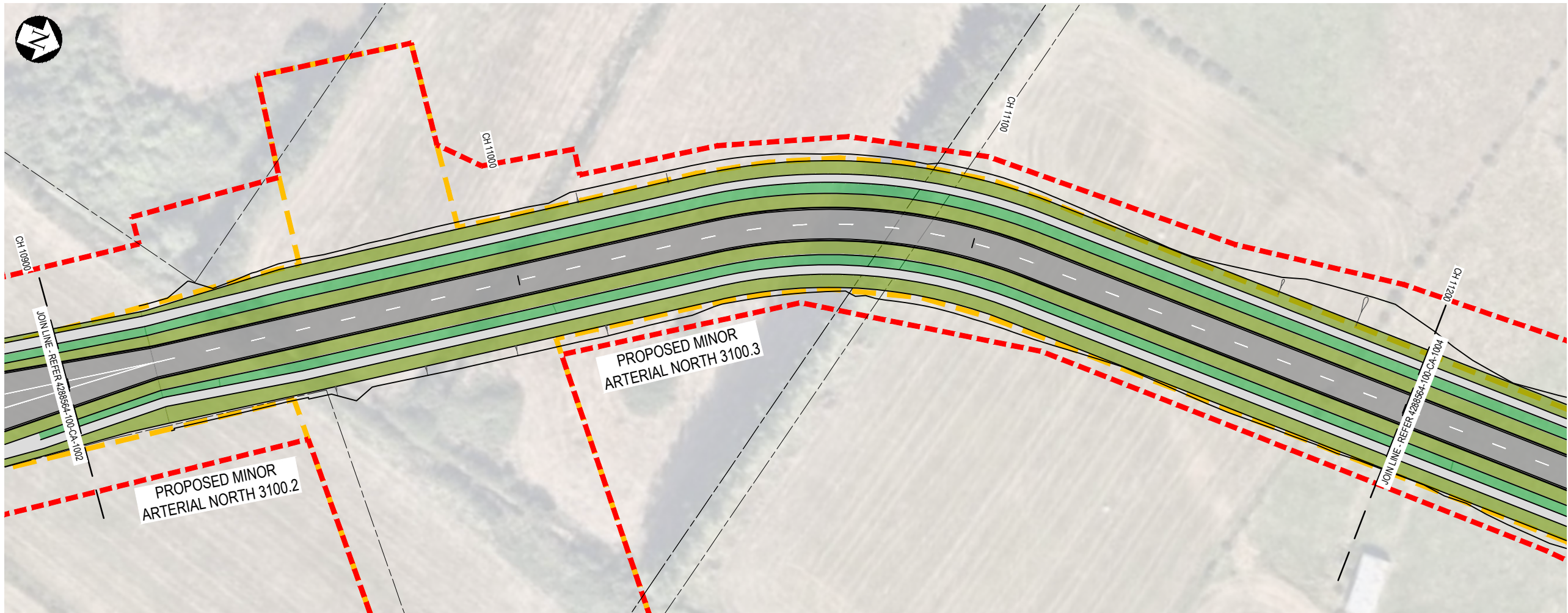
CIVIL ENGINEERING

Drawing No: 4288564-100-CA-1002

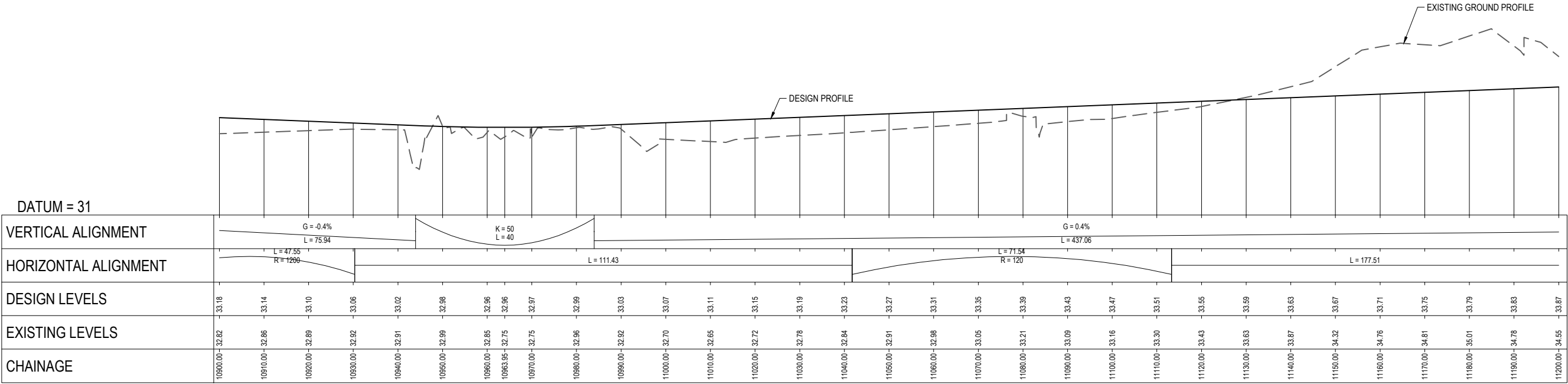
Rev: H

**DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY**

**PRELIMINARY
NOT FOR CONSTRUCTION**



PLAN
SCALE 1:500



DATUM = 31

VERTICAL ALIGNMENT	G = -0.4% L = 75.94																			
HORIZONTAL ALIGNMENT	L = 111.43																			
DESIGN LEVELS	33.18	33.14	33.10	33.06	33.02	32.98	32.96	32.96	32.97	32.99	33.03	33.07	33.11	33.15	33.19	33.23	33.27	33.31	33.35	33.39
EXISTING LEVELS	32.82	32.86	32.89	32.92	32.91	32.99	32.85	32.75	32.75	32.96	32.92	32.70	32.65	32.72	32.76	32.84	32.91	32.98	33.05	33.21
CHAINAGE	10900.00	10910.00	10920.00	10930.00	10940.00	10950.00	10960.00	10963.95	10970.00	10980.00	10990.00	11000.00	11010.00	11020.00	11030.00	11040.00	11050.00	11060.00	11070.00	11080.00

A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CI	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	
Reduced Scale (A3)	Design Check			
HALF SHOWN	* Refer to Revision 1 for Original Signature			

Client:

Te kaunihera o Kirikiriroa

Project:

ROTOKAURI ARTERIALS DESIGNATION

Title:

MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 03

Discipline:

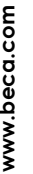
CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1003

Rev. H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

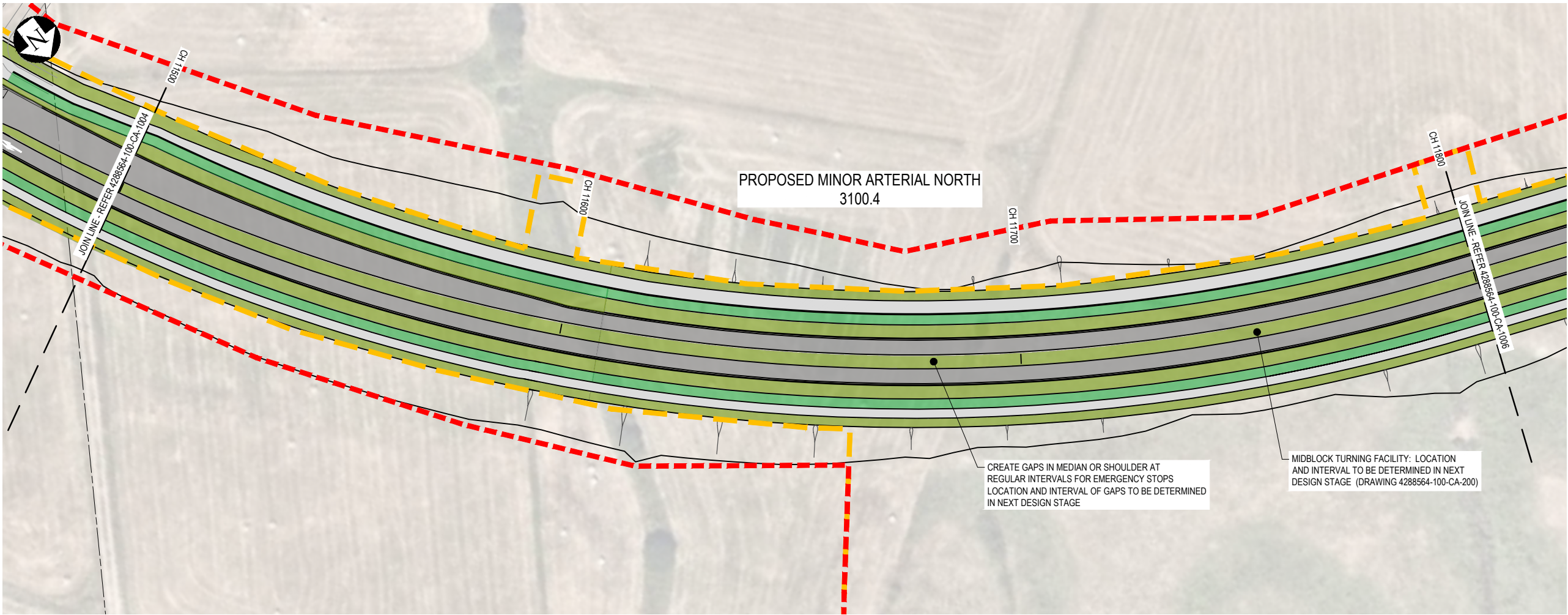
PRELIMINARY
NOT FOR CONSTRUCTION



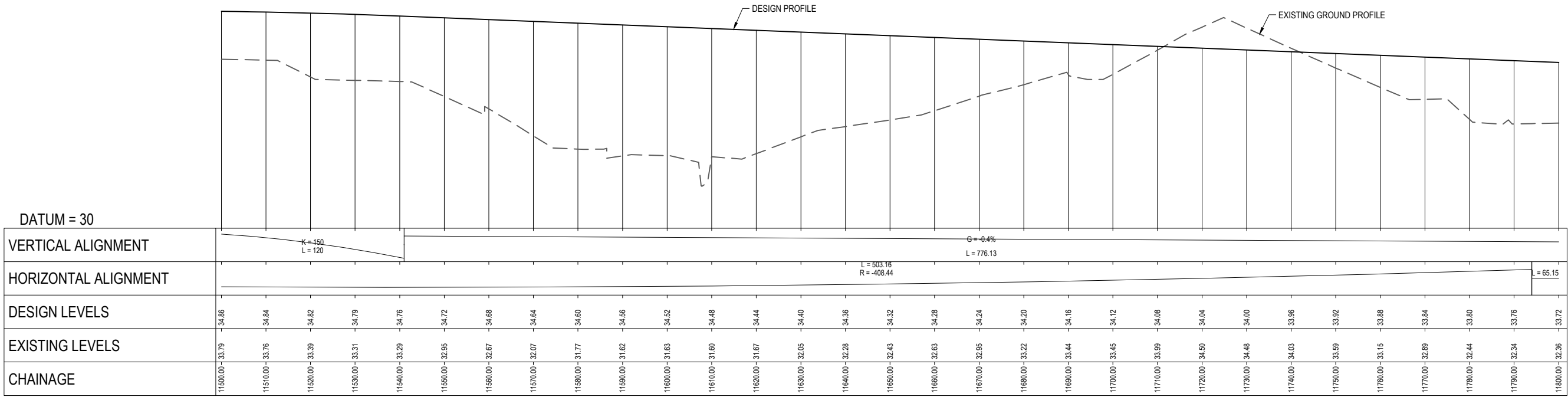
Document No. 4288564-100-CA-1004.DWG

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

Title:	MINOR ARTERIAL PLAN AND LONG SECTION SHEET 04	Discipline	CIVIL ENGINEERING
		Drawing No	4288564-100-CA-1004
		Rev.	H



PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Design			
HALF SHOWN	Check			
	* Refer to Revision 1 for Original Signature			



Client: **Hamilton City Council**
Te kaunihera o Kirikiriroa

Project: **ROTOKAURI ARTERIALS DESIGNATION**

Title: **MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 05**

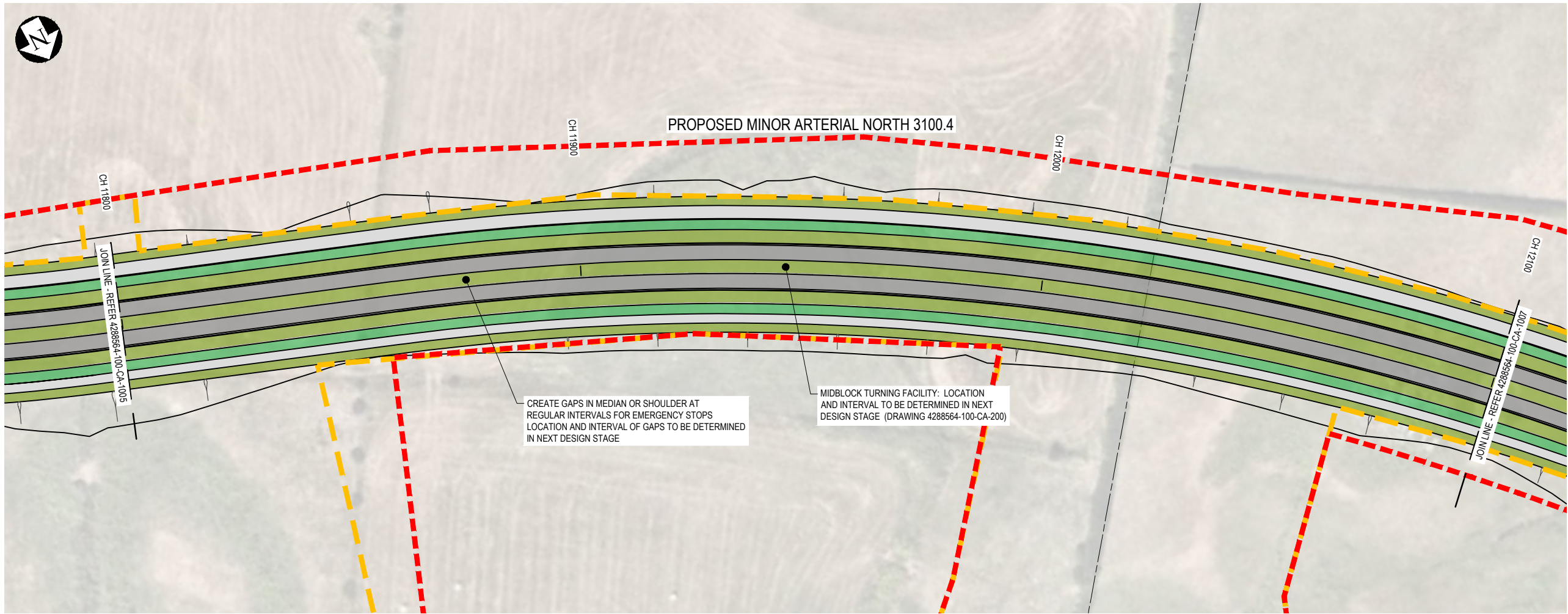
Discipline: **CIVIL ENGINEERING**

Drawing No: **4288564-100-CA-1005**

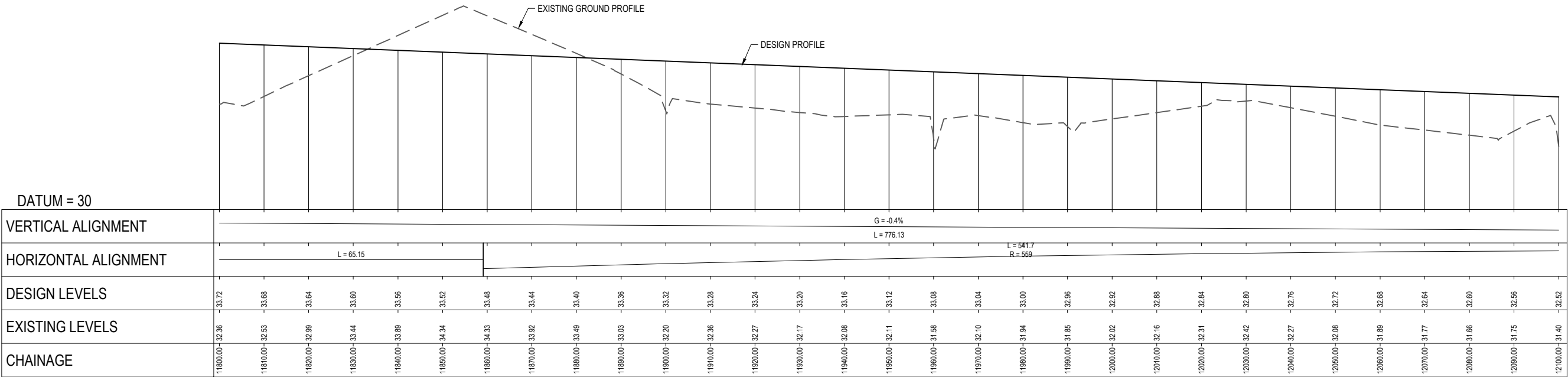
Rev: **H**

**DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY**

**PRELIMINARY
NOT FOR CONSTRUCTION**



PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1) AS SHOWN	Design M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3) HALF SHOWN	Drawn M. Tam	15.05.20	Date
	Design Verifier		
	Design Check		
	* Refer to Revision 1 for Original Signature		



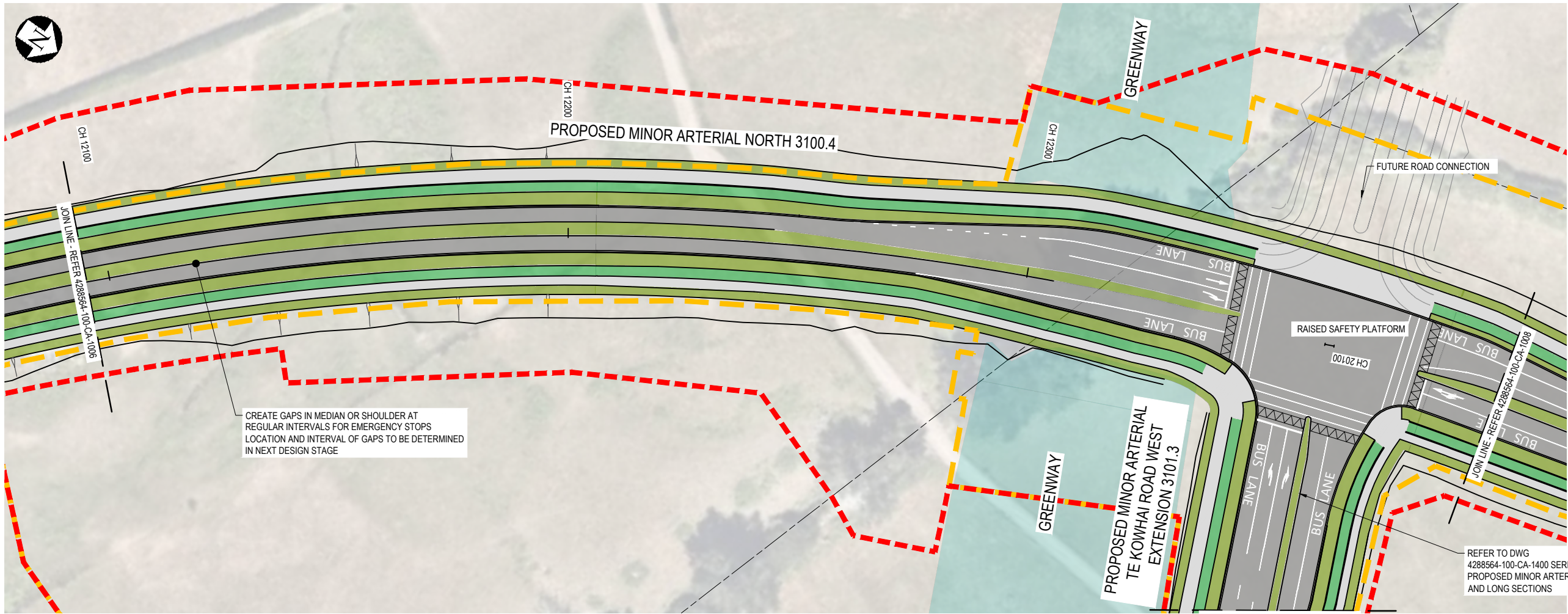
Project:
ROTOKAURI ARTERIALS DESIGNATION

Title:
MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 06

Discipline:
CIVIL ENGINEERING
Drawing No:
4288564-100-CA-1006
Rev.
H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



LEGEND

EXISTING

INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR

PROPOSED DESIGNATION BOUNDARY

EXISTING LEGAL BOUNDARY

PROPOSED

CH 10000

CHAINAGE

BERM / VERGE

ROADWAY

CYCLE PATH

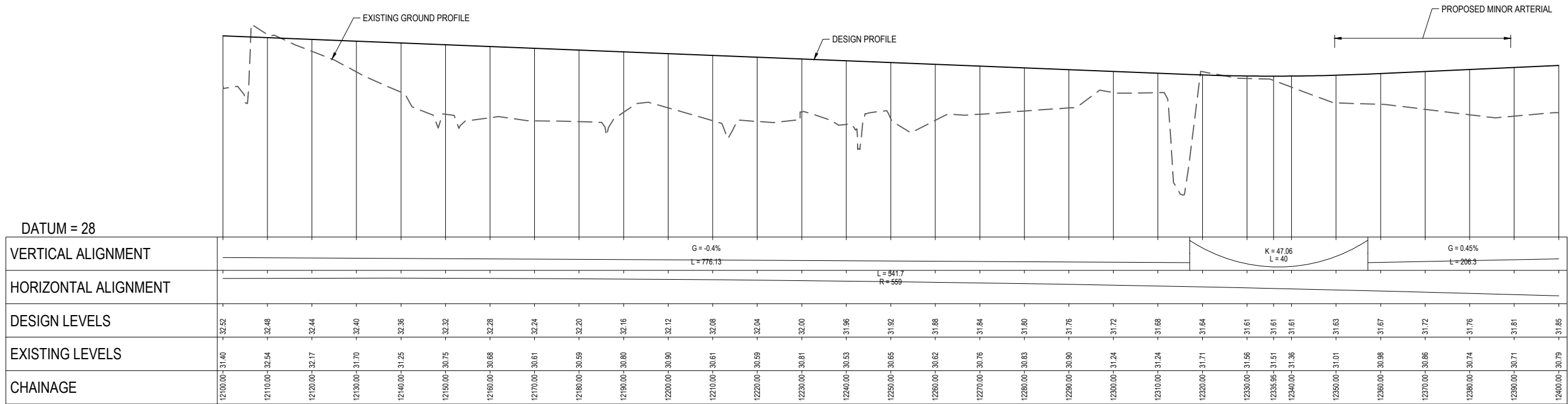
FOOTPATH

GREENWAY EXTENT

PLATFORM RAMP

SEPARATED CYCLE/ PEDESTRIAN CROSSING

PLAN
SCALE 1:500



DATUM = 28

VERTICAL ALIGNMENT	G = -0.4% L = 776.13																			
HORIZONTAL ALIGNMENT	L = 541.7 R = 559																			
DESIGN LEVELS	32.52	32.48	32.44	32.40	32.36	32.32	32.28	32.24	32.20	32.16	32.12	32.08	32.04	32.00	31.96	31.92	31.88	31.84	31.80	31.76
EXISTING LEVELS	31.40	32.54	32.17	31.70	31.25	30.75	30.68	30.61	30.59	30.80	30.90	30.61	30.59	30.81	30.53	30.65	30.62	30.76	30.83	30.90
CHAINAGE	12100.00	12110.00	12120.00	12130.00	12140.00	12150.00	12160.00	12170.00	12180.00	12190.00	12200.00	12210.00	12220.00	12230.00	12240.00	12250.00	12260.00	12270.00	12280.00	12290.00
	12300.00	12310.00	12320.00	12330.00	12340.00	12350.00	12360.00	12370.00	12380.00	12390.00	12400.00	12410.00	12420.00	12430.00	12440.00	12450.00	12460.00	12470.00	12480.00	12490.00

A1 SCALE: H 1:500, V 1:50

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3)	HALF SHOWN	Drawn	M. Tam	15.05.20	Date
		Dag Verifier			
		Dag Check			
		* Refer to Revision 1 for Original Signature			



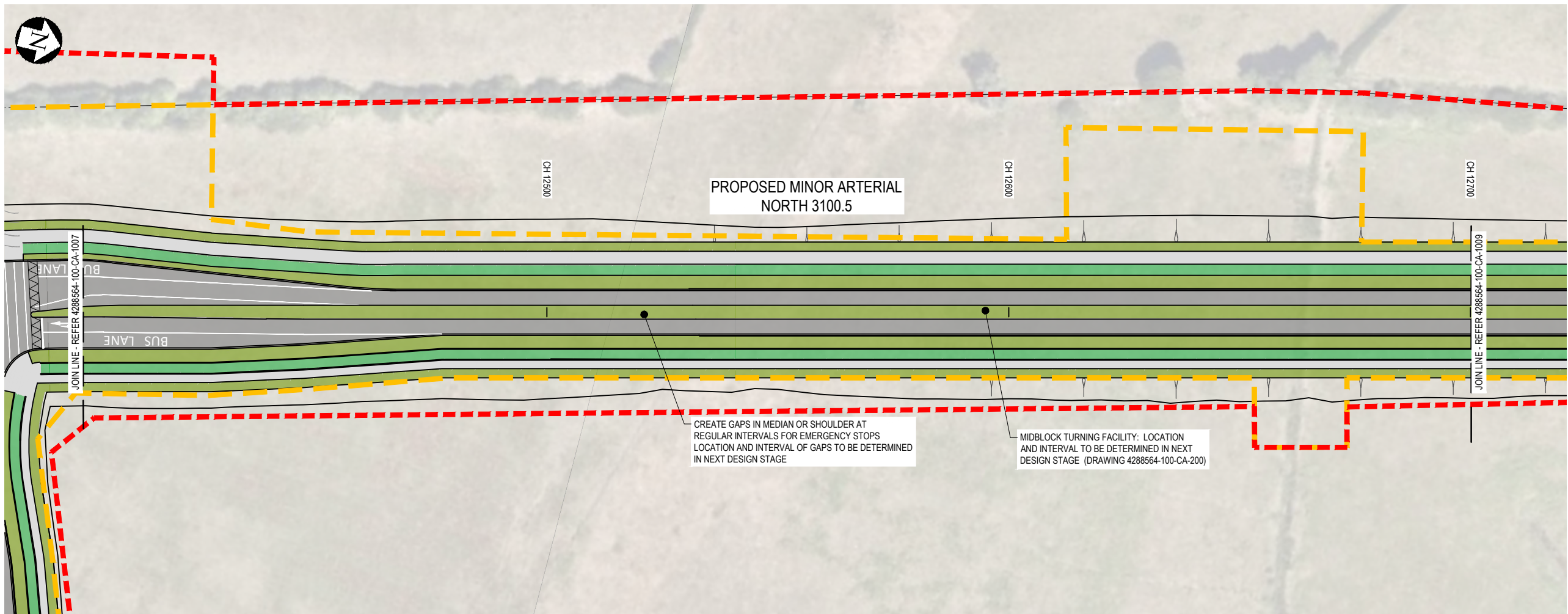
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 07

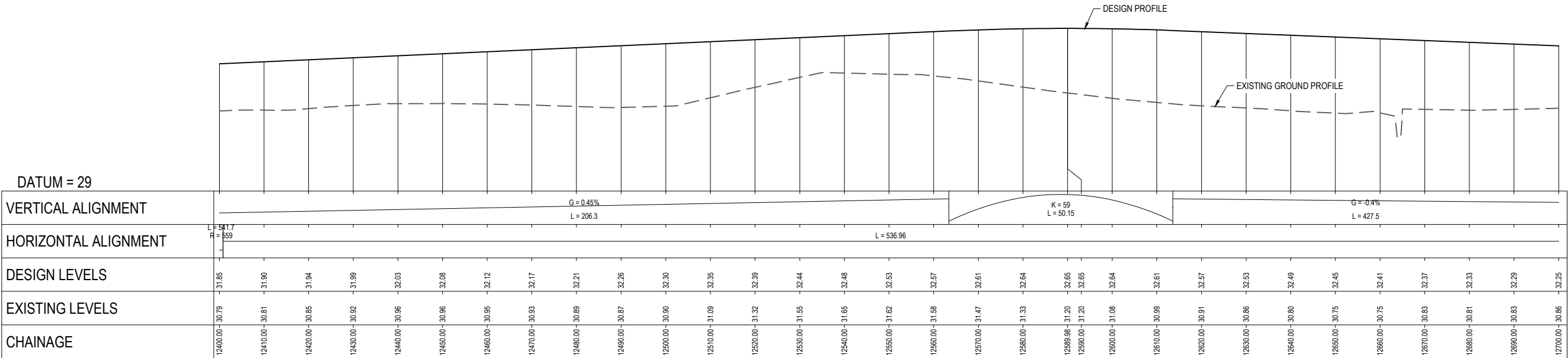
Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1007
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



PLAN
SCALE 1:500



DATUM = 29

VERTICAL ALIGNMENT	G = 0.45% L = 206.3																			
HORIZONTAL ALIGNMENT	L = 536.96																			
DESIGN LEVELS	31.85	31.90	31.94	31.99	32.03	32.08	32.12	32.17	32.21	32.26	32.30	32.35	32.39	32.44	32.48	32.53	32.57	32.61	32.64	32.65
EXISTING LEVELS	30.79	30.81	30.85	30.92	30.96	30.96	30.95	30.93	30.89	30.87	30.90	31.09	31.32	31.55	31.65	31.62	31.58	31.47	31.33	31.20
CHAINAGE	12400.00	12410.00	12420.00	12430.00	12440.00	12450.00	12460.00	12470.00	12480.00	12490.00	12500.00	12510.00	12520.00	12530.00	12540.00	12550.00	12560.00	12570.00	12580.00	12590.00

A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1) AS SHOWN	Design Drawn M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3) HALF SHOWN	Design Checked M. Tam	15.05.20	Date
* Refer to Revision 1 for Original Signature			



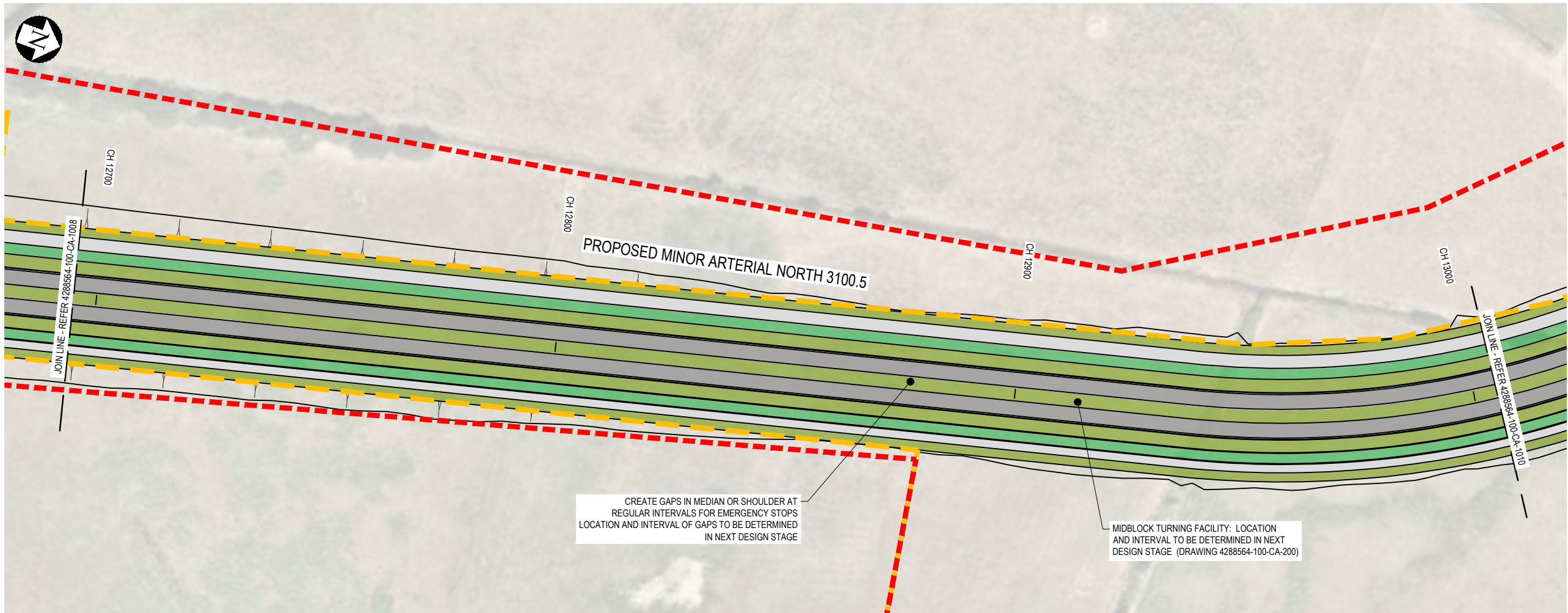
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 08

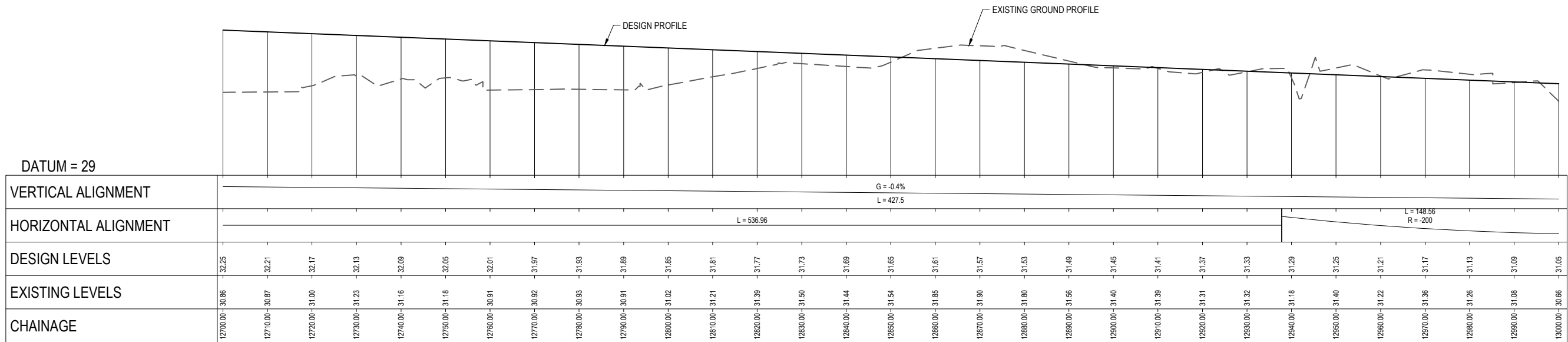
Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1008
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3)	Drawn	M. Tam	15.05.20	Date
HALF SHOWN	Design Check			
	* Refer to Revision 1 for Original Signature			



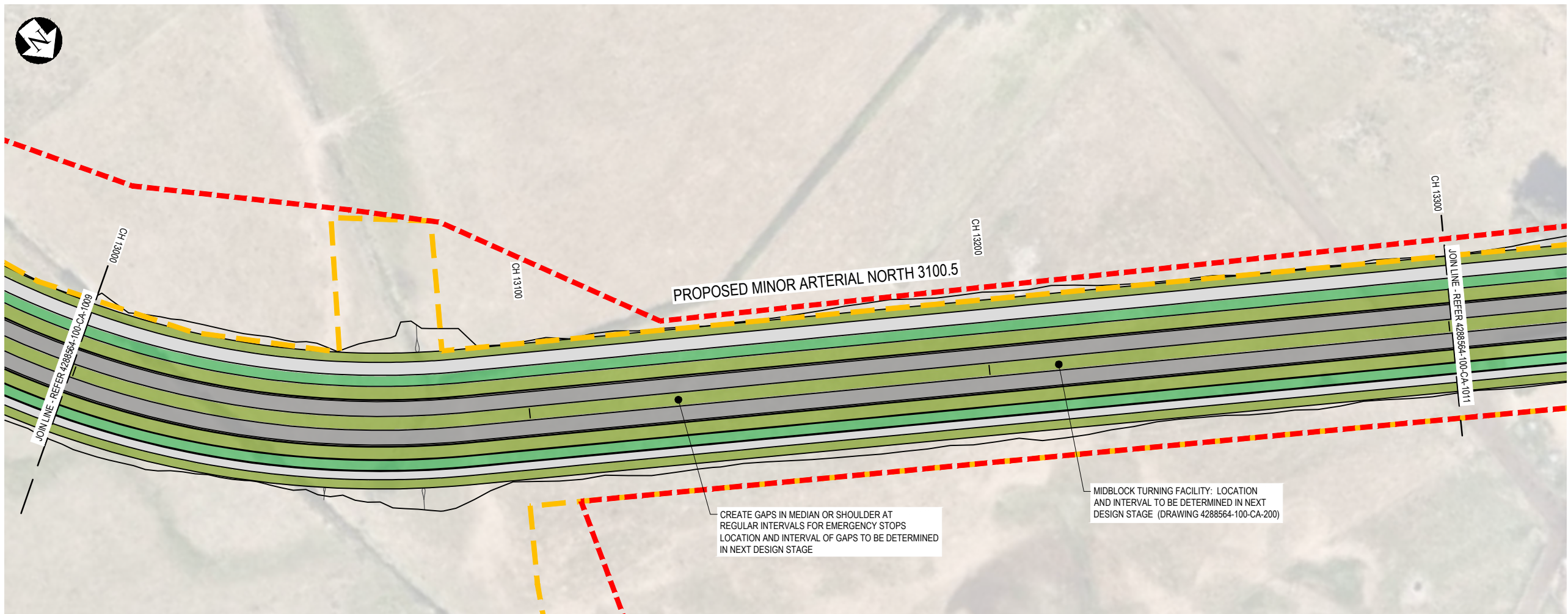
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 09

Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1009
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

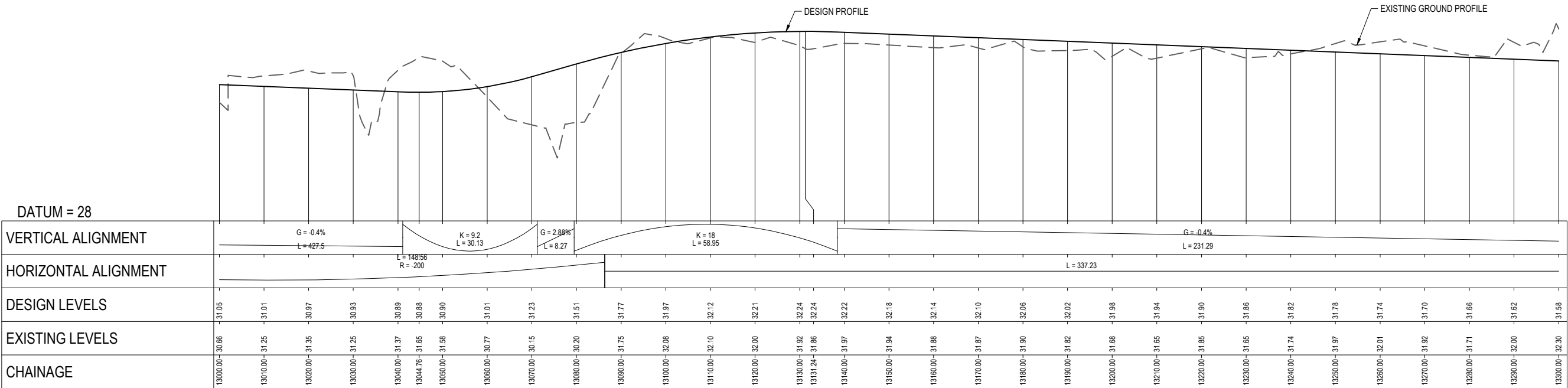
PRELIMINARY
NOT FOR CONSTRUCTION



CREATE GAPS IN MEDIAN OR SHOULDER AT
REGULAR INTERVALS FOR EMERGENCY STOPS
LOCATION AND INTERVAL OF GAPS TO BE DETERMINED
IN NEXT DESIGN STAGE

MIDBLOCK TURNING FACILITY: LOCATION
AND INTERVAL TO BE DETERMINED IN NEXT
DESIGN STAGE (DRAWING 4288564-100-CA-200)

PLAN
SCALE 1:500



DATUM = 28

VERTICAL ALIGNMENT	$G = -0.4\%$ $L = 427.5$																			
HORIZONTAL ALIGNMENT	$K = 9.2$ $L = 30.13$ $G = 2.88\%$ $L = 8.27$ $K = 18$ $L = 58.95$ $L = 337.23$																			
DESIGN LEVELS	-31.05	-31.01	-30.97	-30.93	-30.89	-30.88	-30.90	-31.01	-31.23	-31.51	-31.77	-31.97	-32.12	-32.21	-32.24	-32.24	-32.22	-32.18	-32.14	-32.10
EXISTING LEVELS	-30.66	-31.25	-31.35	-31.25	-31.37	-31.65	-31.58	-30.77	-30.15	-30.20	-31.75	-32.08	-32.10	-32.00	-31.92	-31.86	-31.97	-31.94	-31.88	-31.87
CHAINAGE	13000.00	13010.00	13020.00	13030.00	13040.00	13044.76	13050.00	13060.00	13070.00	13080.00	13090.00	13100.00	13110.00	13120.00	13130.00	13131.24	13140.00	13150.00	13160.00	13170.00

A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3)	HALF SHOWN	Drawn	M. Tam	15.05.20	Date
		Design Checker			
		Refer to Revision 1 for Original Signature			



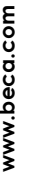
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: MINOR ARTERIAL
PLAN AND LONG SECTION
SHEET 10

Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1010
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

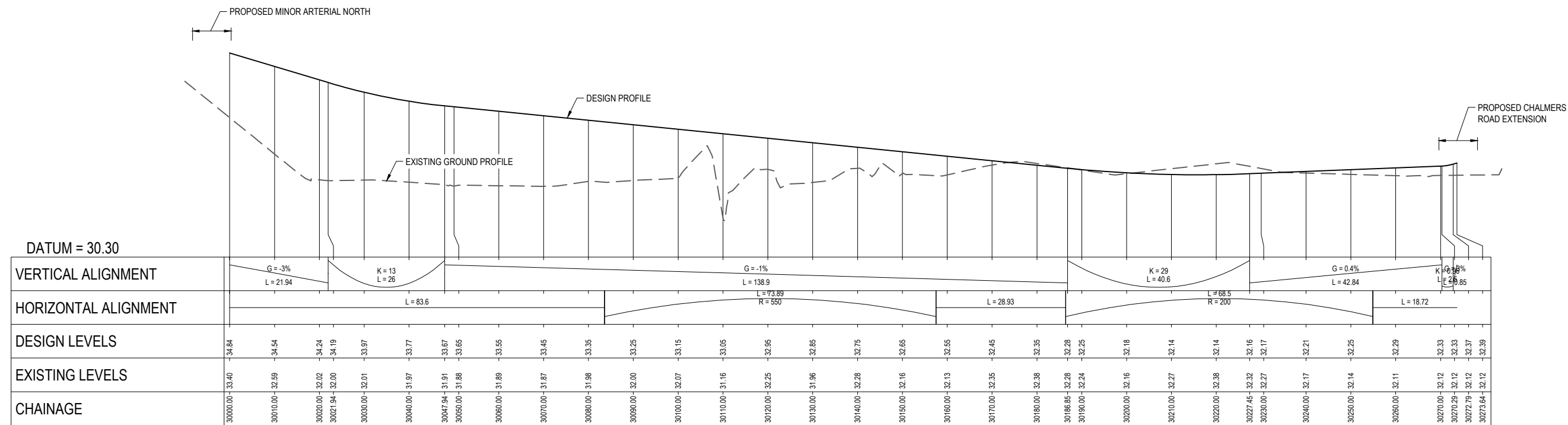
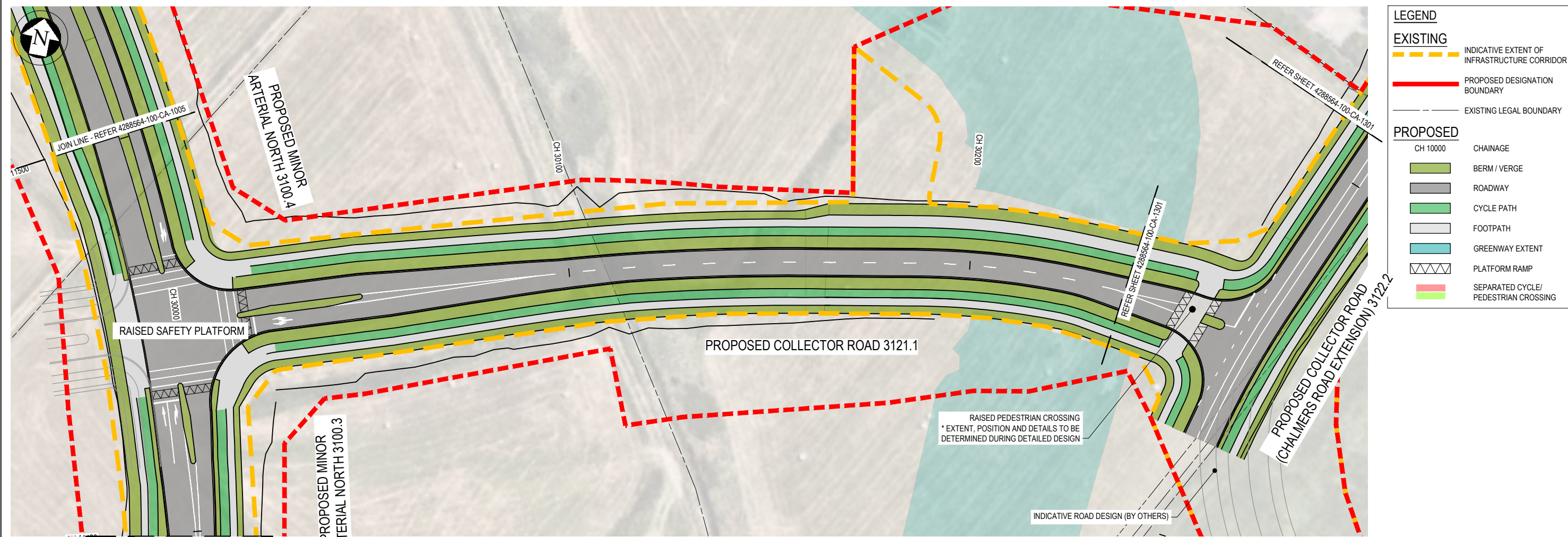


Document No. 4288564-100-CA-1011.DWG



Document No. 4288564-100-CA-1011.DWG

Title: MINOR ARTERIAL PLAN AND LONG SECTION SHEET 11	Discipline: CIVIL ENGINEERING	
	Drawing No: 4288564-100-CA-1011	Rev.: H



A1 SCALE: H 1:500, V 1:50

LONGITUDINAL SECTION PROPOSED COLLECTOR ROAD

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Dag Verifier			
HALF SHOWN	Dag Check			



Client: ROTOKAURI ARTERIALS DESIGNATION

Title: COLLECTOR ROAD PLAN AND LONG SECTION SHEET 01

Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1201
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

LEGEND

EXISTING

INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR

PROPOSED DESIGNATION BOUNDARY

EXISTING LEGAL BOUNDARY

PROPOSED

CH 10000

CHAINAGE

BERM / VERGE

ROADWAY

CYCLE PATH

FOOTPATH

GREENWAY EXTENT

PLATFORM RAMP

SEPARATED CYCLE/PEDESTRIAN CROSSING

PLAN
SCALE 1:500

LOCALLY REGRADE SURFACE TO FORM OVERLAND FLOW PATH FROM ROAD TO GREENWAY

DATUM = 30

VERTICAL ALIGNMENT	EXISTING VERTICAL PROFILE		DESIGN PROFILE	
	$G = -0.53\%$ $L = 55.48$	$K = 250$ $L = 32.17$	$G = -0.4\%$ $L = 13.33$	$K = 30$ $L = 48$
			$G = 1.2\%$ $L = 22.7$	$K = 24$ $L = 46.92$
				$G = -0.76\%$ $L = 38.08$

HORIZONTAL ALIGNMENT	EXISTING HORIZONTAL PROFILE		DESIGN PROFILE	
	$L = 88.81$	$L = 48.47$ $R = -1500$	$L = 98.41$	$L = 200$ $R = -232.49$

DESIGN LEVELS	EXISTING LEVELS		CHAINAGE	
	32.28	32.22	32.17	32.12
	32.07	32.01	31.96	31.91
	31.87	31.82	31.78	31.76
	31.76	31.70	31.60	31.57
	31.49	31.43	31.36	31.32
	31.29	31.23	31.09	31.05
	30.99	30.93	30.76	30.72
	30.59	30.53	30.36	30.32
	30.19	30.13	29.96	29.92
	29.79	29.73	29.56	29.52
	29.39	29.33	29.16	29.12
	28.99	28.93	28.76	28.72
	28.59	28.53	28.36	28.32
	28.19	28.13	27.96	27.92
	27.79	27.73	27.56	27.52
	27.39	27.33	27.16	27.12
	26.99	26.93	26.76	26.72
	26.59	26.53	26.36	26.32
	26.19	26.13	25.96	25.92
	25.79	25.73	25.56	25.52
	25.39	25.33	25.16	25.12
	24.99	24.93	24.76	24.72
	24.59	24.53	24.36	24.32
	24.19	24.13	23.96	23.92
	23.79	23.73	23.56	23.52
	23.39	23.33	23.16	23.12
	22.99	22.93	22.76	22.72
	22.59	22.53	22.36	22.32
	22.19	22.13	21.96	21.92
	21.79	21.73	21.56	21.52
	21.39	21.33	21.16	21.12
	20.99	20.93	20.76	20.72
	20.59	20.53	20.36	20.32
	20.19	20.13	19.96	19.92
	19.79	19.73	19.56	19.52
	19.39	19.33	19.16	19.12
	18.99	18.93	18.76	18.72
	18.59	18.53	18.36	18.32
	18.19	18.13	17.96	17.92
	17.79	17.73	17.56	17.52
	17.39	17.33	17.16	17.12
	16.99	16.93	16.76	16.72
	16.59	16.53	16.36	16.32
	16.19	16.13	15.96	15.92
	15.79	15.73	15.56	15.52
	15.39	15.33	15.16	15.12
	14.99	14.93	14.76	14.72
	14.59	14.53	14.36	14.32
	14.19	14.13	13.96	13.92
	13.79	13.73	13.56	13.52
	13.39	13.33	13.16	13.12
	12.99	12.93	12.76	12.72
	12.59	12.53	12.36	12.32
	12.19	12.13	11.96	11.92
	11.79	11.73	11.56	11.52
	11.39	11.33	11.16	11.12
	10.99	10.93	10.76	10.72
	10.59	10.53	10.36	10.32
	10.19	10.13	9.96	9.92
	9.79	9.73	9.56	9.52
	9.39	9.33	9.16	9.12
	8.99	8.93	8.76	8.72
	8.59	8.53	8.36	8.32
	8.19	8.13	7.96	7.92
	7.79	7.73	7.56	7.52
	7.39	7.33	7.16	7.12
	6.99	6.93	6.76	6.72
	6.59	6.53	6.36	6.32
	6.19	6.13	5.96	5.92
	5.79	5.73	5.56	5.52
	5.39	5.33	5.16	5.12
	4.99	4.93	4.76	4.72
	4.59	4.53	4.36	4.32
	4.19	4.13	3.96	3.92
	3.79	3.73	3.56	3.52
	3.39	3.33	3.16	3.12
	2.99	2.93	2.76	2.72
	2.59	2.53	2.36	2.32
	2.19	2.13	1.96	1.92
	1.79	1.73	1.56	1.52
	1.39	1.33	1.16	1.12
	0.99	0.93	0.76	0.72
	0.59	0.53	0.36	0.32
	0.19	0.13	0.00	0.00

A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED CHALMERS ROAD 02

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Design Check			
HALF SHOWN	* Refer to Revision 1 for Original Signature			

Client:

Te kaunihera o Kirikiriroa

Project:

ROTOKAURI ARTERIALS DESIGNATION

Title:

CHALMERS ROAD EXTENSION
PLAN AND LONG SECTION
SHEET 01

Discipline

CIVIL ENGINEERING

Drawing No.

4288564-100-CA-1301

Rev.

H

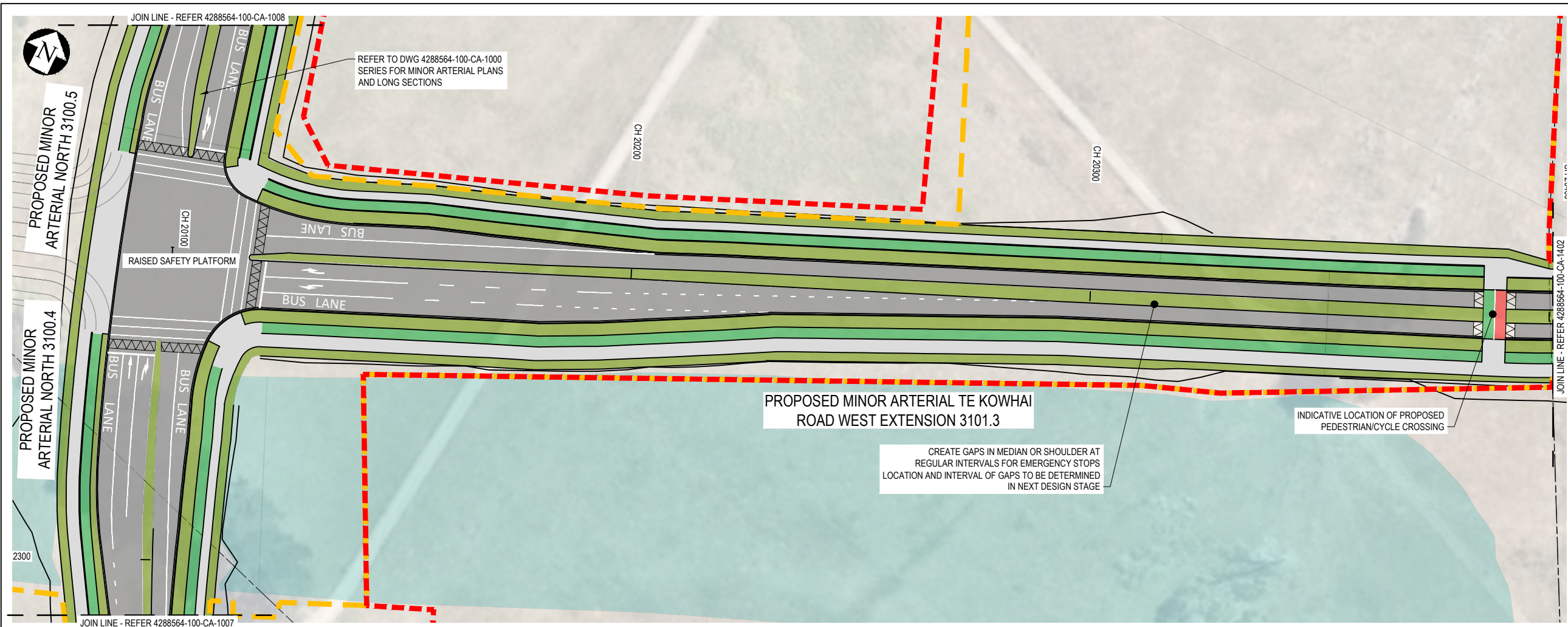
DO NOT SCALE

IF IN DOUBT ASK

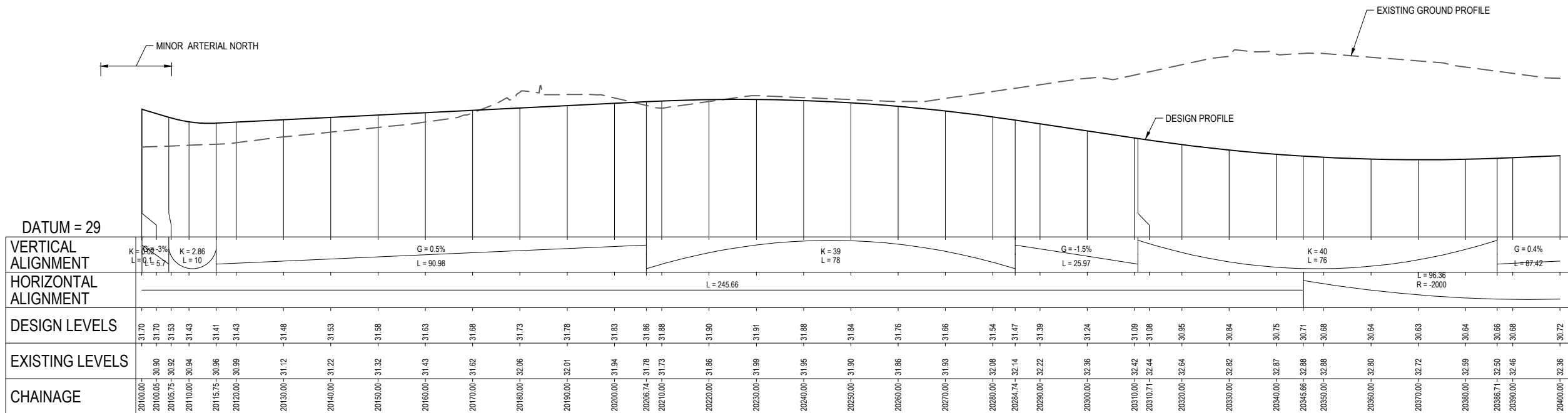
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Document No. 4288564-100-CA-1301.DWG



PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Dwg Check			
HALF SHOWN	* Refer to Revision 1 for Original Signature			

Client:



Project:

ROTOKAURI ARTERIALS DESIGNATION

Title:

TE KOWHAI ROAD
PLAN AND LONG SECTION
SHEET 01

Discipline

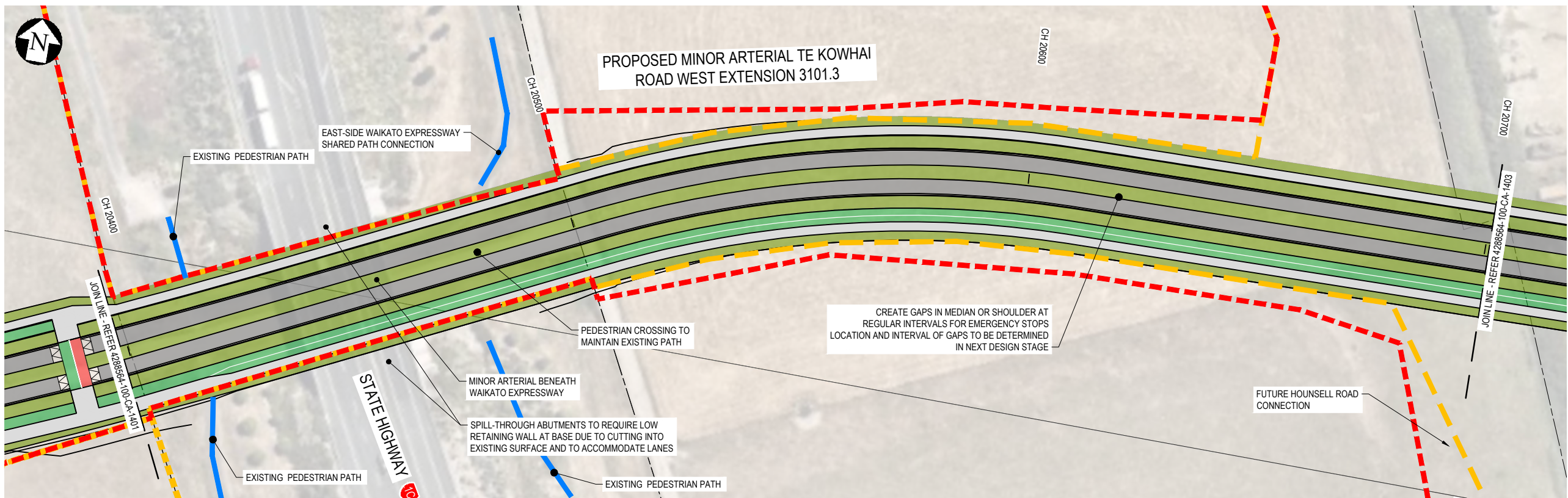
CIVIL ENGINEERING

Drawing No.

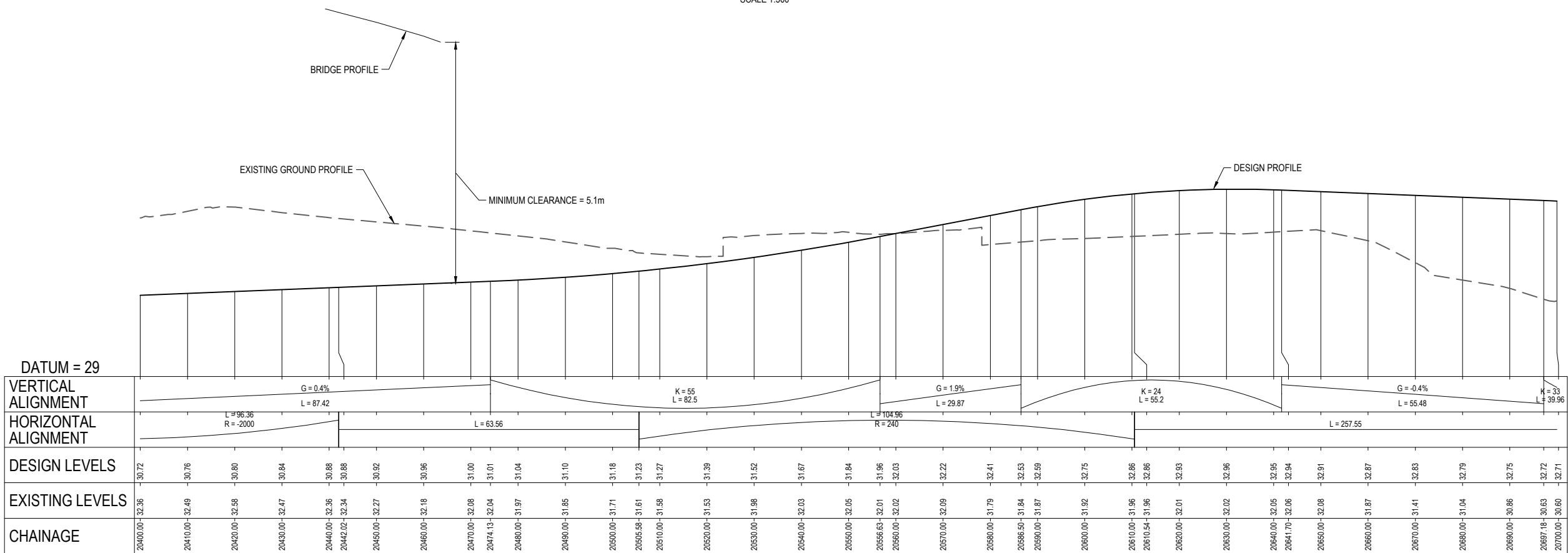
4288564-100-CA-1401

Rev.

H



PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	
Reduced Scale (A3)	Design			
HALF SHOWN	Check			
	* Refer to Revision 1 for Original Signature			



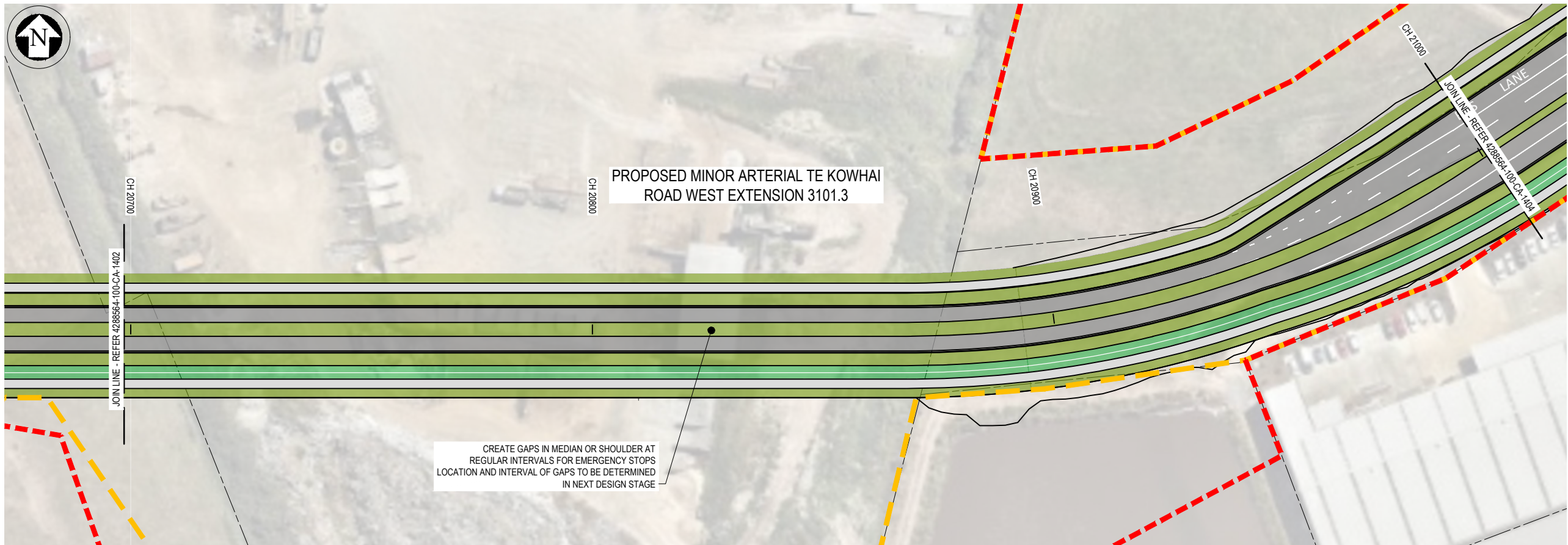
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: TE KOWHAI ROAD
PLAN AND LONG SECTION
SHEET 02

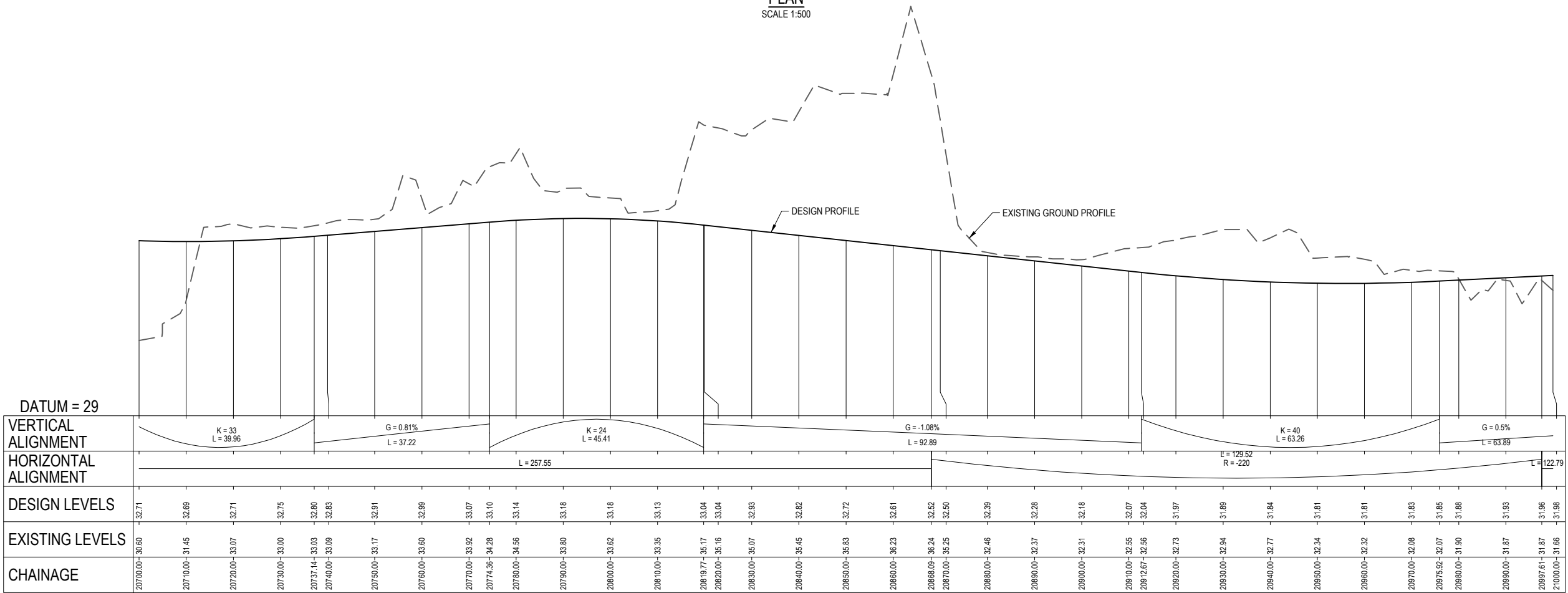
Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1402
Rev: H

DESIGN UNDER DEVELOPMENT
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PRELIMINARY
NOT FOR CONSTRUCTION



PLAN
SCALE 1:500



1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3)	Drawn	M. Tam	15.05.20	Date
HALF SHOWN	Dag Verifier			
	Dag Check			
	* Refer to Revision 1 for Original Signature			



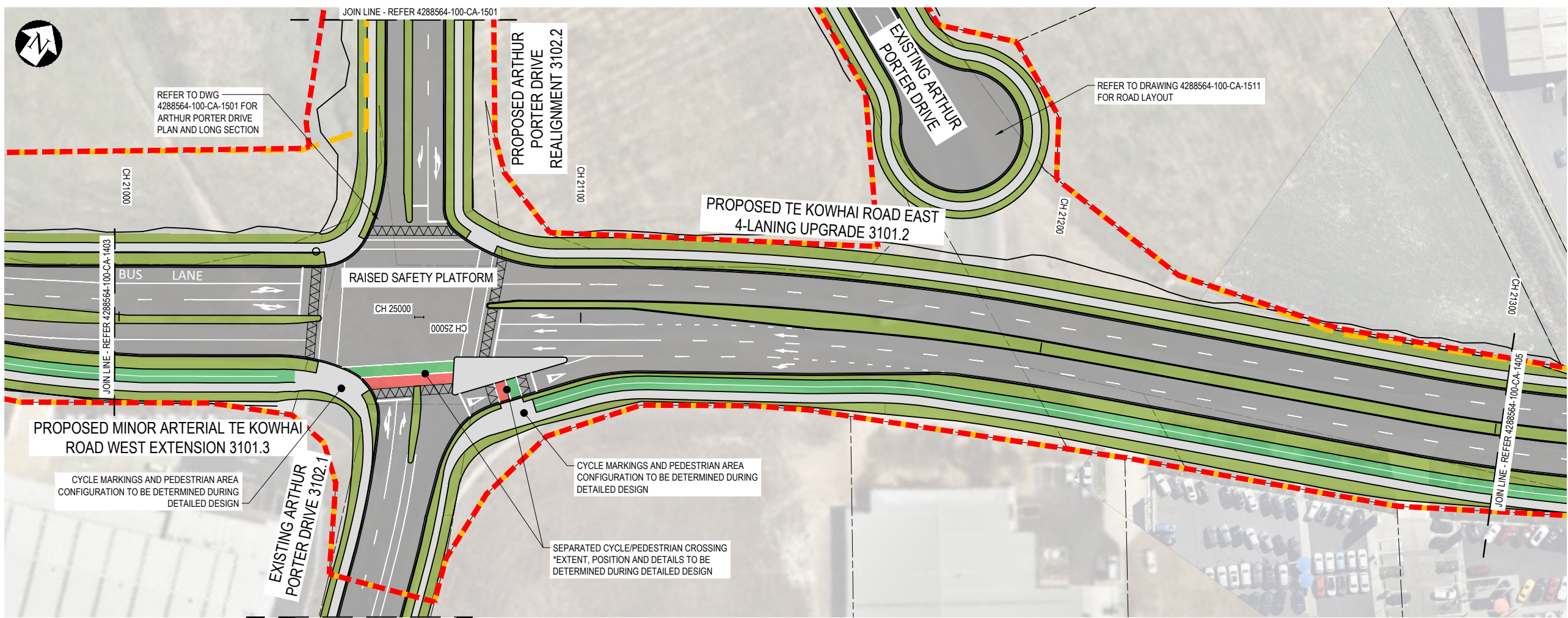
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: TE KOWHAI ROAD
PLAN AND LONG SECTION
SHEET 03

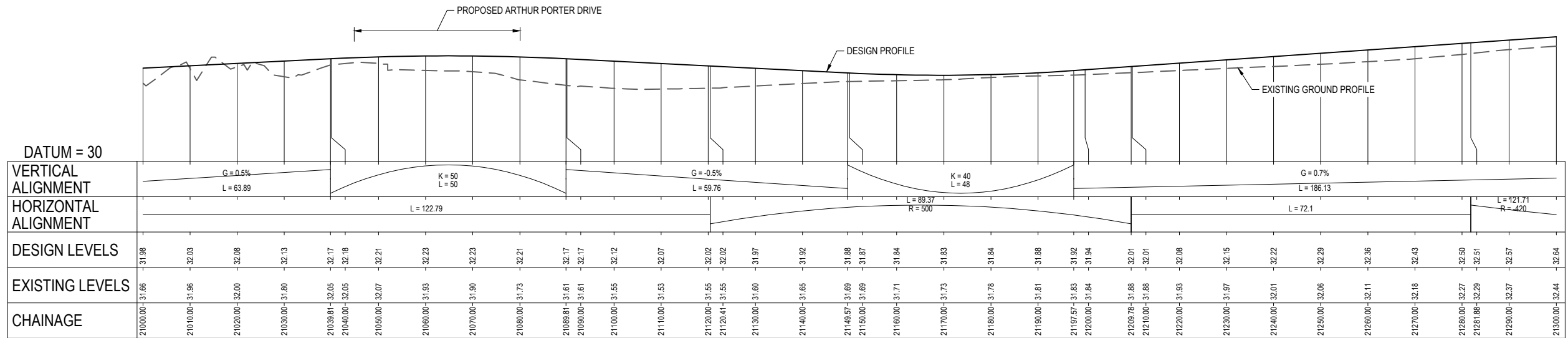
Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1403
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	
Reduced Scale (A3)	Design			
HALF SHOWN	Check			
	Refer to Revision 1 for Original Signature			



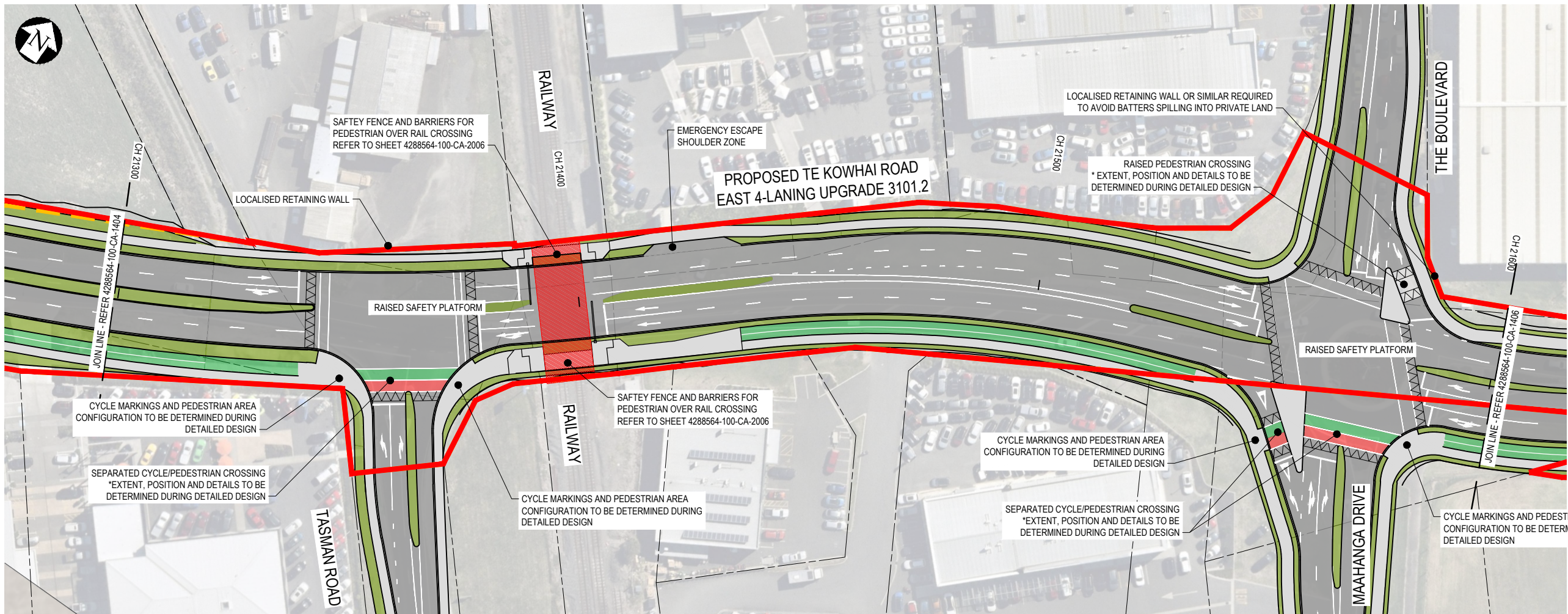
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: TE KOWHAI ROAD
PLAN AND LONG SECTION
SHEET 04

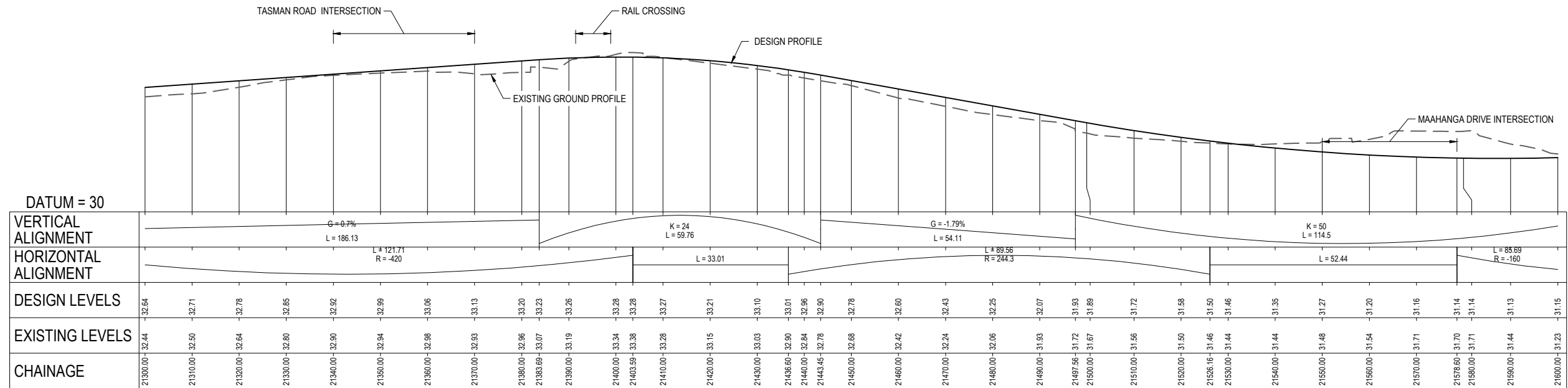
Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1404
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	AT	NT	DA	11.05.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	
Reduced Scale (A3)	Design			
HALF SHOWN	Check			
	* Refer to Revision 1 for Original Signature			



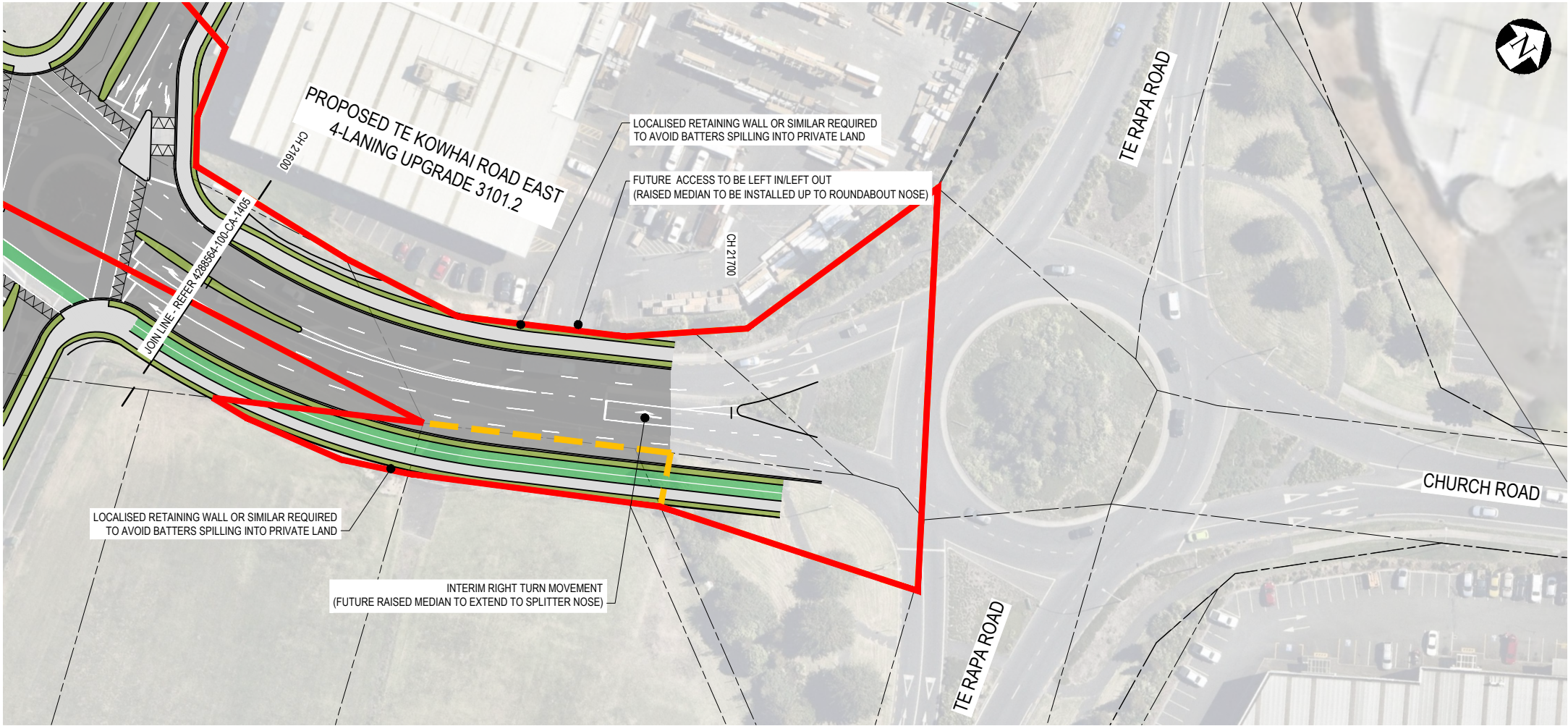
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: TE KOWHAI ROAD
PLAN AND LONG SECTION
SHEET 05

Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1405
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



PLAN
SCALE 1:500

LEGEND

EXISTING

INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR

PROPOSED DESIGNATION BOUNDARY

EXISTING LEGAL BOUNDARY

PROPOSED

CHAINAGE

CH 10000

BERM / VERGE

ROADWAY

CYCLE PATH

FOOTPATH

GREENWAY EXTENT

PLATFORM RAMP

SEPARATED CYCLE/ PEDESTRIAN CROSSING

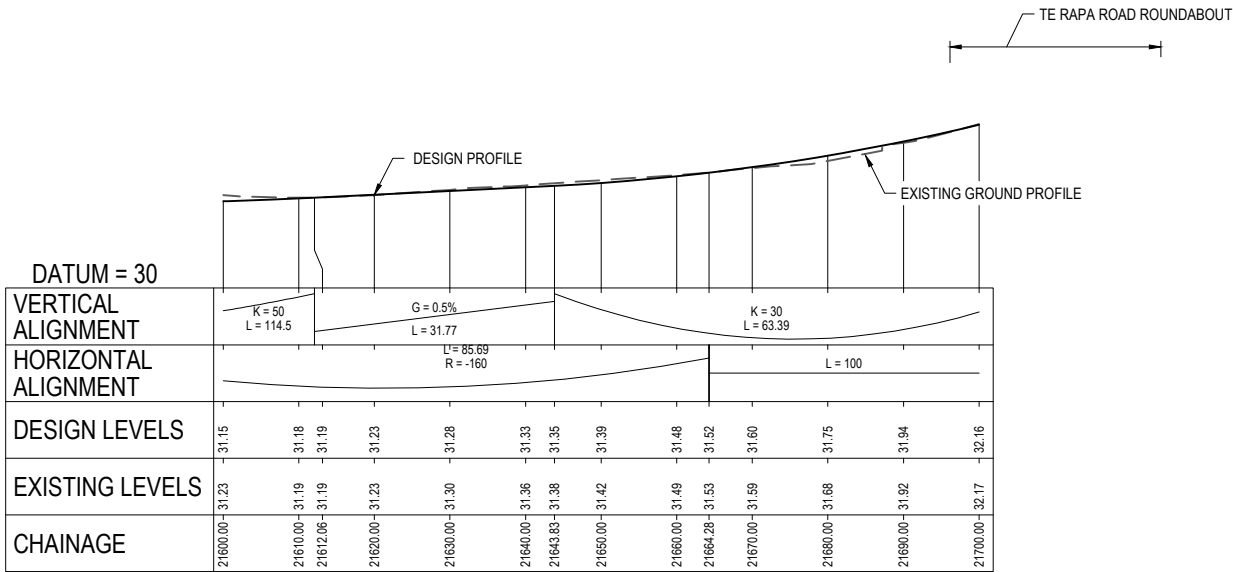
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Document No. 4288564-100-CA-1406.DWG

IF IN DOUBT ASK.

DO NOT SCALE



A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Beca

Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Dag Verifier			
HALF SHOWN	Dag Check			
	* Refer to Revision 1 for Original Signature			

Client:

Hamilton City Council

Te kaunihera o Kirikiriroa

Project:

ROTOKAURI ARTERIALS DESIGNATION

Title:

TE KOWHAI ROAD
PLAN AND LONG SECTION
SHEET 06

Discipline

CIVIL ENGINEERING

Drawing No.

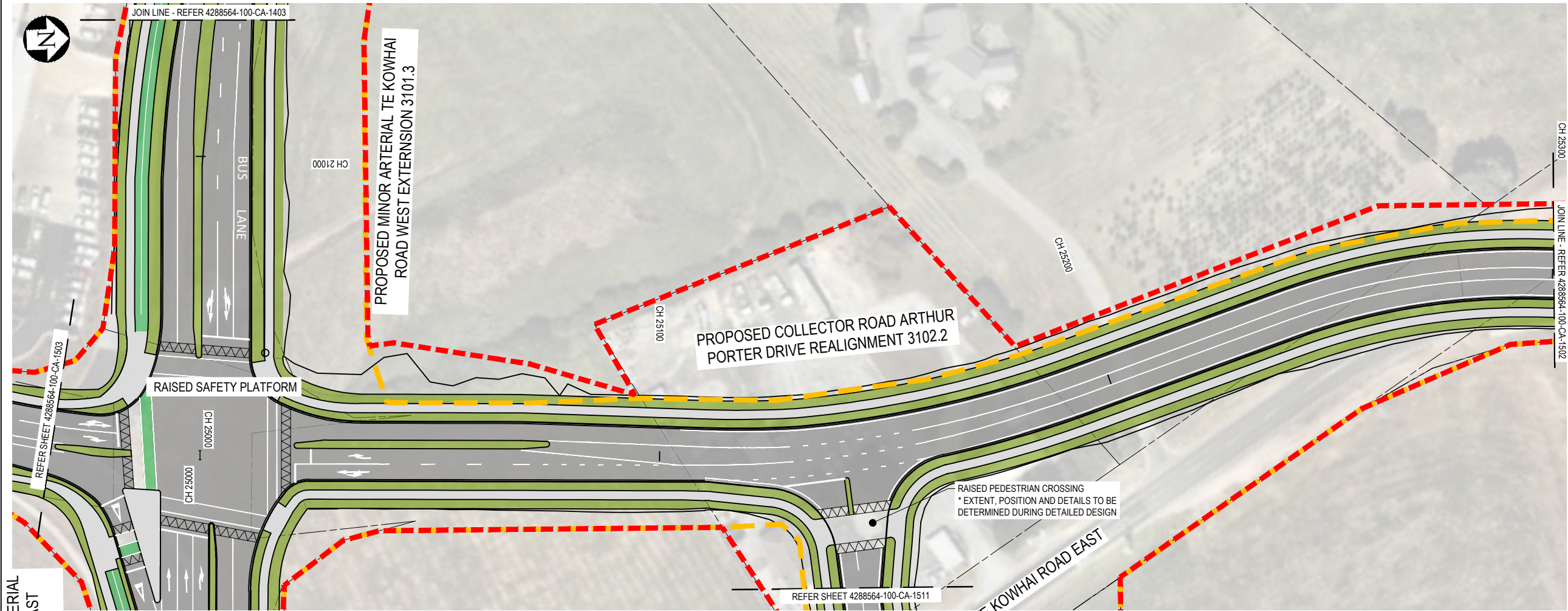
4288564-100-CA-1406

Rev.

H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

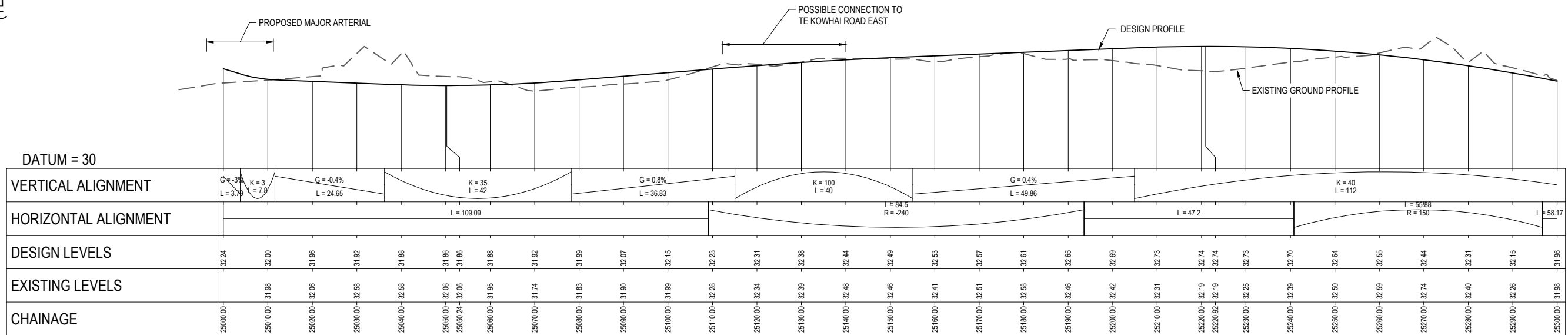
PRELIMINARY
NOT FOR CONSTRUCTION



LEGEND	
EXISTING	
	INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR
	PROPOSED DESIGNATION BOUNDARY
	EXISTING LEGAL BOUNDARY
PROPOSED	
	CHAINAGE
	BERM / VERGE
	ROADWAY
	CYCLE PATH
	FOOTPATH
	GREENWAY EXTENT
	PLATFORM RAMP
	SEPARATED CYCLE/ PEDESTRIAN CROSSING

PROPOSED MAJOR ARTERIAL
(TE KOWHAI ROAD EAST
UPGRADE) 3101.2

PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50

LONGITUDINAL SECTION PROPOSED ARTHUR PORTER DRIVE

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Dwg Verifier			
HALF SHOWN	Dwg Check			
	* Refer to Revision 1 for Original Signature			



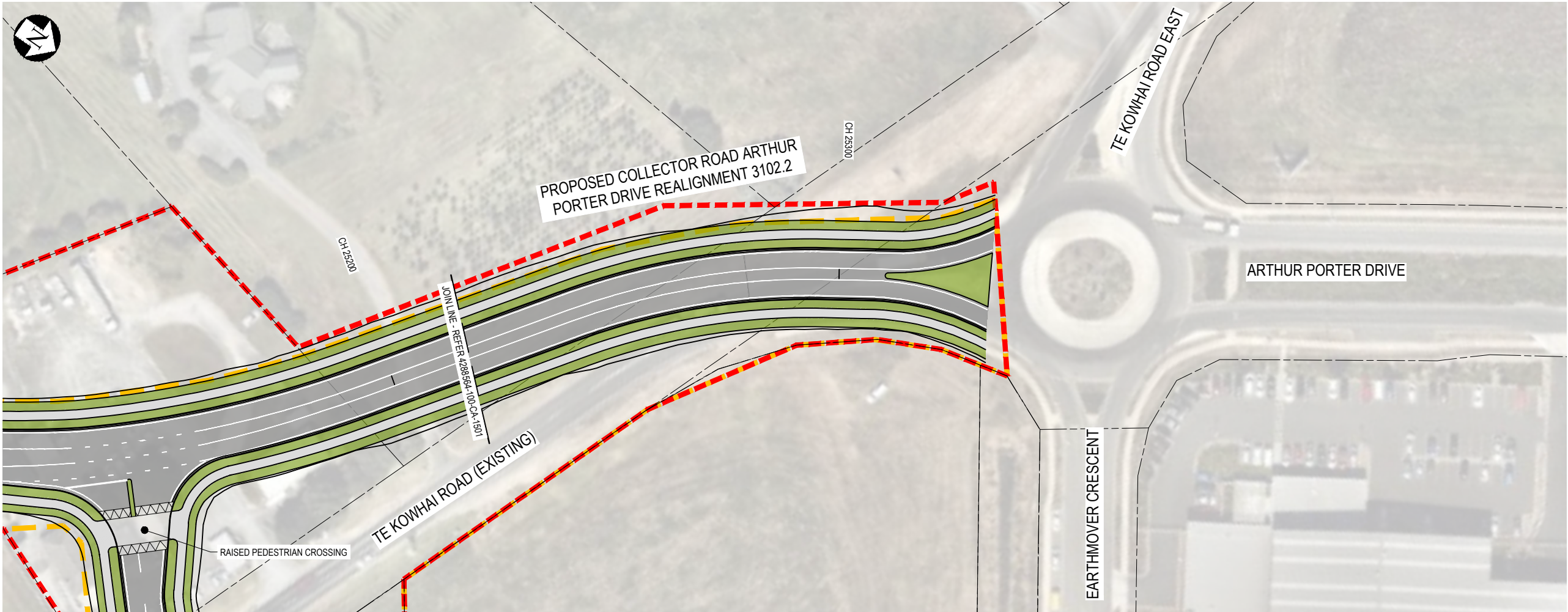
Client: ROTOKAURI ARTERIALS DESIGNATION

Title: ARTHUR PORTER DRIVE
PLAN AND LONG SECTION
SHEET 01

Discipline: CIVIL ENGINEERING
Drawing No: 4288564-100-CA-1501
Rev: H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



LEGEND

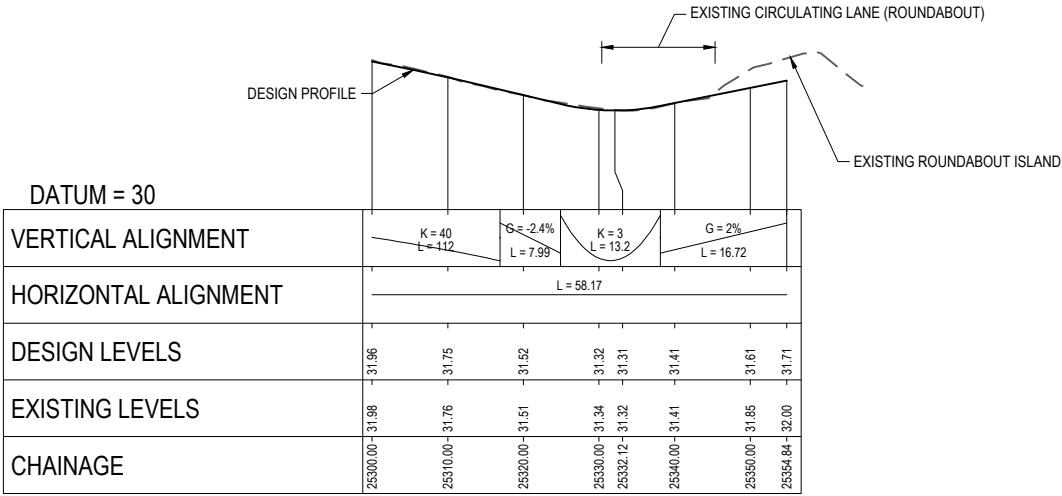
EXISTING

- INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR
- PROPOSED DESIGNATION BOUNDARY
- EXISTING LEGAL BOUNDARY

PROPOSED

- CHAINAGE
- CH 10000
- BERM / VERGE
- ROADWAY
- CYCLE PATH
- FOOTPATH
- GREENWAY EXTENT
- PLATFORM RAMP
- SEPARATED CYCLE/ PEDESTRIAN CROSSING

PLAN
SCALE 1:500



A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED ARTHUR PORTER DRIVE

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Beca

Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	M. Tam	15.05.20	Date
Reduced Scale (A3)	Design Verifier			
HALF SHOWN	Design Check			
	* Refer to Revision 1 for Original Signature			

Client:

Hamilton City Council

Te kaunihera o Kirikiriroa

Project:

ROTOKAURI ARTERIALS DESIGNATION

Title:

ARTHUR PORTER DRIVE
PLAN AND LONG SECTION
SHEET 02

Discipline

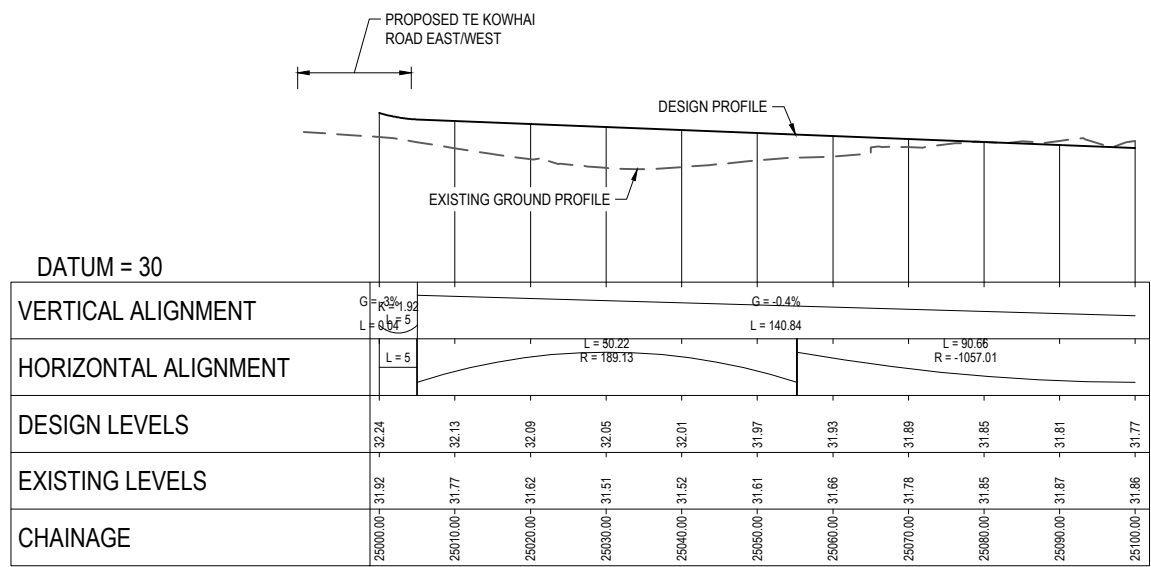
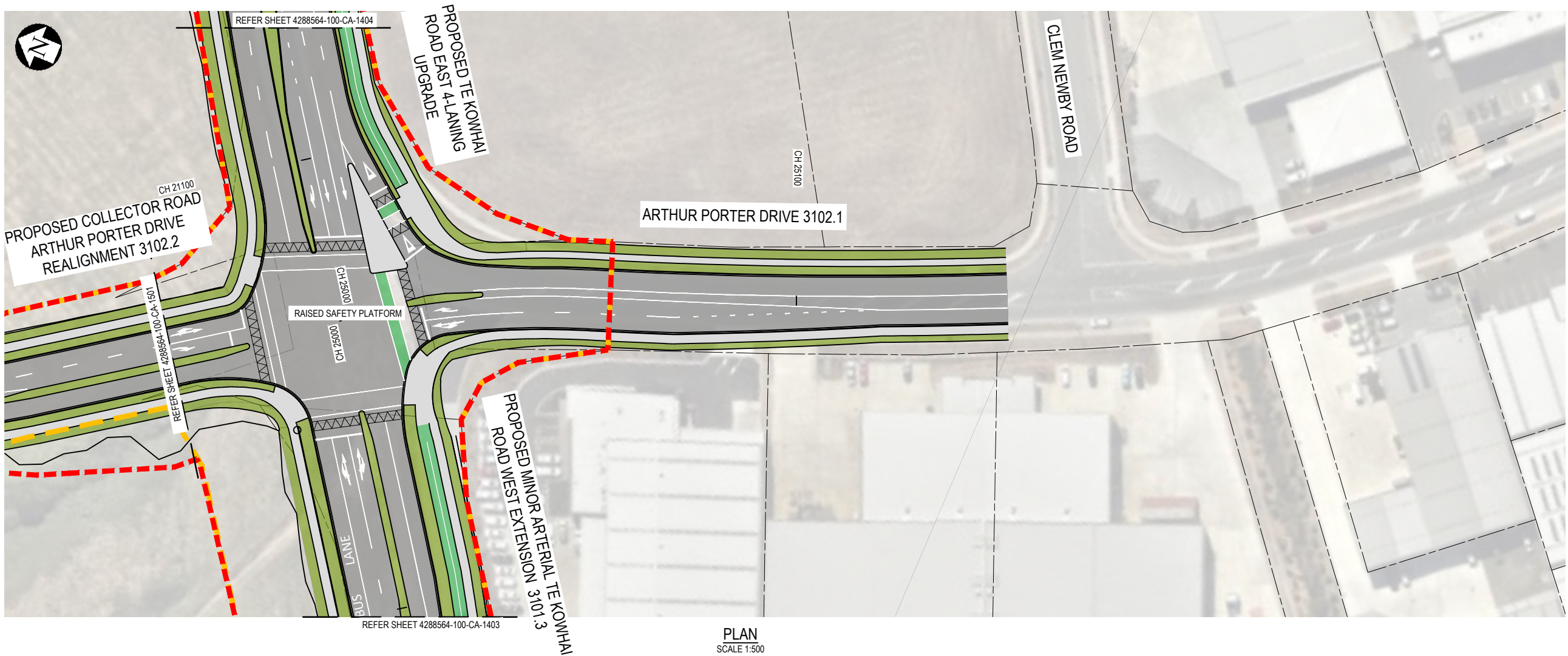
CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1502

Rev. H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



A1 SCALE: H 1:500, V 1:50
LONGITUDINAL SECTION PROPOSED ARTHUR PORTER DRIVE SOUTH

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date



Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3)	Drawn	M. Tam	15.05.20	Date
HALF SHOWN	Dag Verifier			
	Dag Check			
	* Refer to Revision 1 for Original Signature			



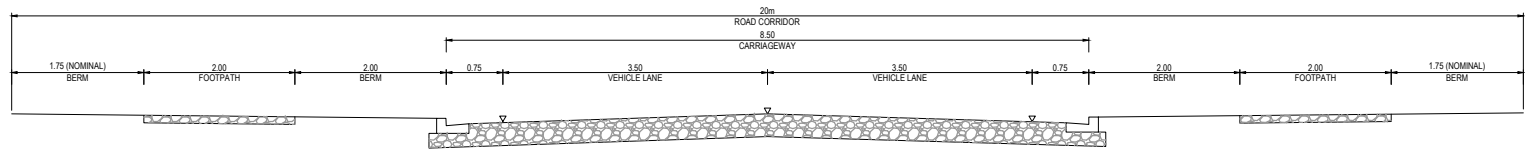
Project: ROTOKAURI ARTERIALS DESIGNATION

Title: ARTHUR PORTER DRIVE
PLAN AND LONG SECTION
SHEET 03

Discipline	CIVIL ENGINEERING
Drawing No.	4288564-100-CA-1503
Rev.	H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



ACCESS CROSS SECTION - 3125.1 & 3125.2 (NTS)

LEGEND

EXISTING

INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR

PROPOSED DESIGNATION BOUNDARY

EXISTING LEGAL BOUNDARY

PROPOSED

CH 10000

CHAINAGE

BERM / VERGE

ROADWAY

CYCLE PATH

FOOTPATH

GREENWAY EXTENT

PLATFORM RAMP

SEPARATED CYCLE/ PEDESTRIAN CROSSING



C	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
B	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
A	NOTICE OF REQUIREMENT	JC	CH	CS	02.06.23
No.	Revision	By	Chk	Appd	Date

Drawing Originator:



Original Scale (A1)
1:500
Reduced Scale (A3)
1:1000

Design	J Currie	02.06.23	Approved For Construction*
Drawn	B Mercer	02.06.23	
Dwg Verifier	-	-	
Dwg Check	-	-	
* Refer to Revision 1 for Original Signature			

Client:



Project:

ROTOKAURI ARTERIALS DESIGNATION

Title:

ARTHUR PORTER DRIVE REALIGNMENT

Discipline

CIVIL ENGINEERING

Drawing No.

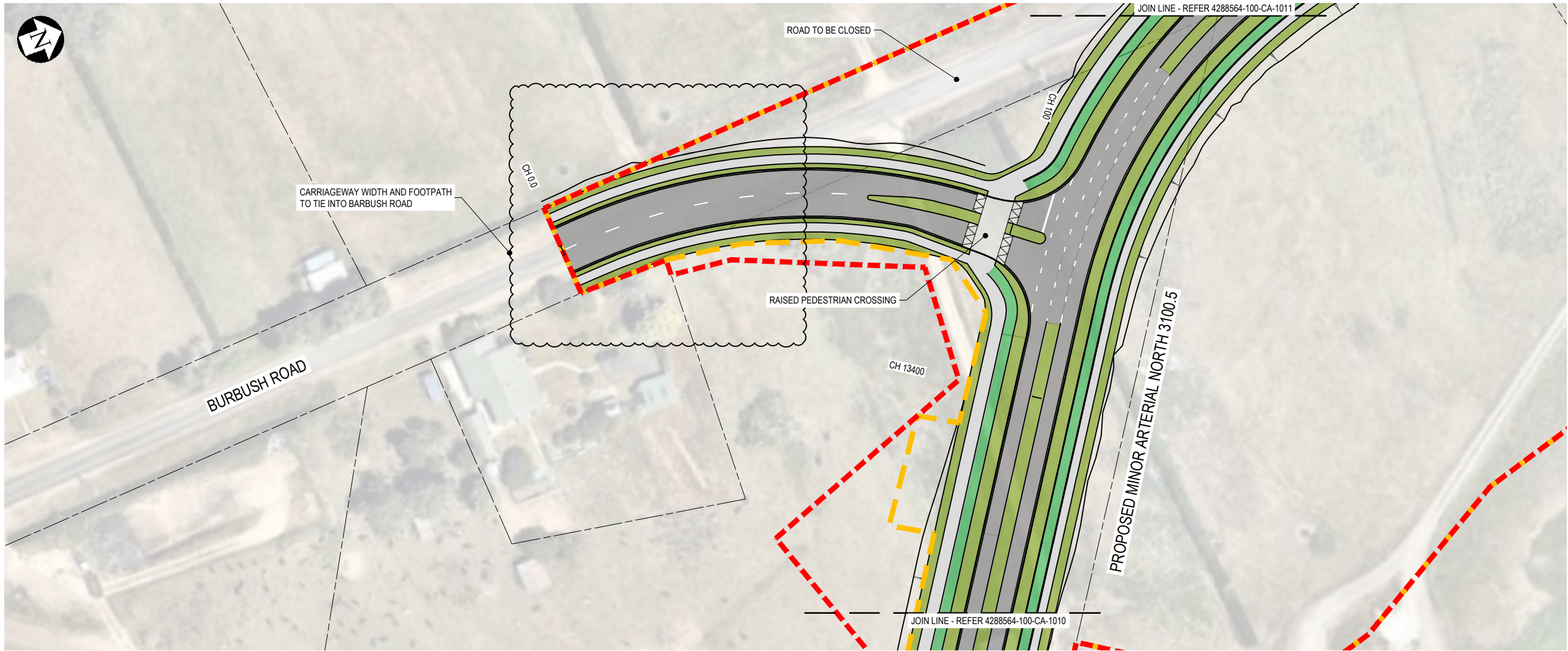
4288564-100-CA-1511

Rev.

C

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



LEGEND

EXISTING

INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR

PROPOSED DESIGNATION BOUNDARY

EXISTING LEGAL BOUNDARY

PROPOSED

CH 10000

CHAINAGE

BERM / VERGE

ROADWAY

CYCLE PATH

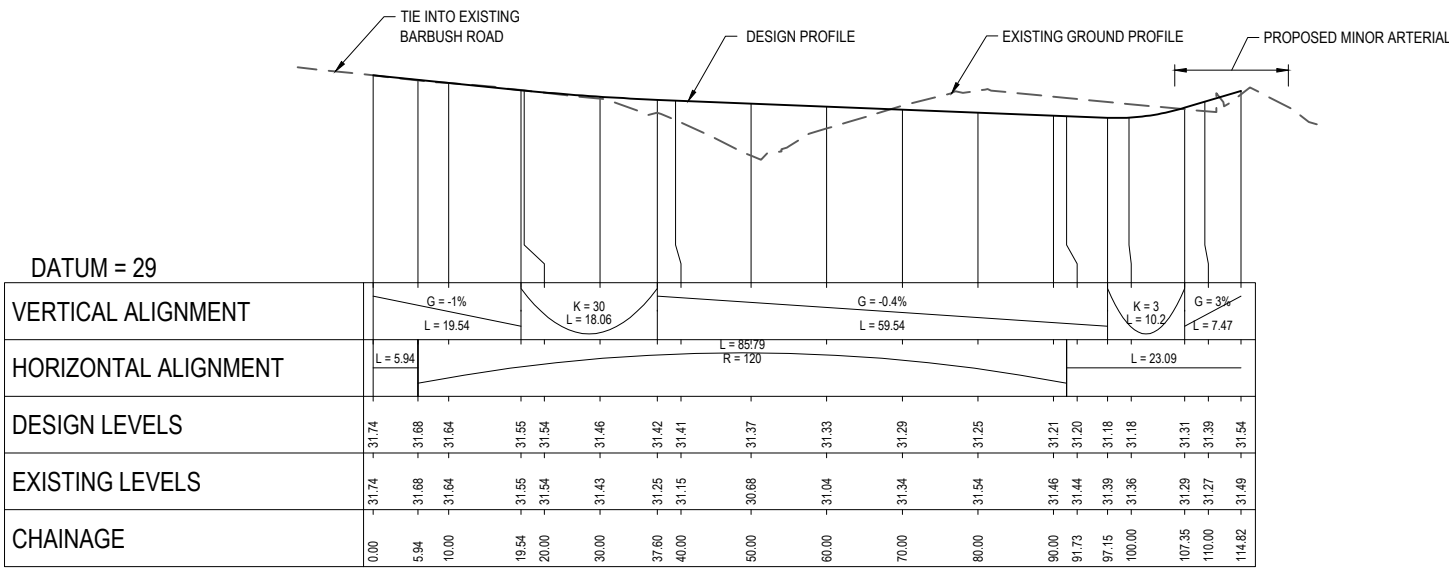
FOOTPATH

GREENWAY EXTENT

PLATFORM RAMP

SEPARATED CYCLE/ PEDESTRIAN CROSSING

PLAN
SCALE 1:500



DATUM = 29

VERTICAL ALIGNMENT	G = -1% L = 19.54														
HORIZONTAL ALIGNMENT	L = 5.94														
DESIGN LEVELS	31.74	31.68	31.64	31.55	31.54	31.46	31.42	31.41	31.37	31.33	31.29	31.25	31.21	31.18	31.14
EXISTING LEVELS	31.74	31.68	31.64	31.55	31.54	31.43	31.25	31.15	30.88	31.04	31.34	31.54	31.46	31.44	31.39
CHAINAGE	0.00	5.94	10.00	19.54	20.00	30.00	37.60	40.00	50.00	60.00	70.00	80.00	90.00	97.15	100.00

A1 SCALE: H 1:500, V 1:50

LONGITUDINAL SECTION PROPOSED BURBUSH ROAD

H	NOTICE OF REQUIREMENT UPDATE	JC	AF	CH	08.08.23
G	NOTICE OF REQUIREMENT UPDATE	BM	CH	CS	10.07.23
F	NOTICE OF REQUIREMENT UPDATE	JC	CH	CS	02.06.23
D	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:



Original Scale (A1)
AS SHOWN
Reduced Scale (A3)
HALF SHOWN

Design	M. Tam	10.03.20	Approved For Construction*
Drawn	M. Tam	15.05.20	
Design Check			Date
* Refer to Revision 1 for Original Signature			

Client:



Project:

ROTOKAURI ARTERIALS DESIGNATION

Title:

BURBUSH ROAD
PLAN AND LONG SECTION
SHEET 01

Discipline

CIVIL ENGINEERING

Drawing No.

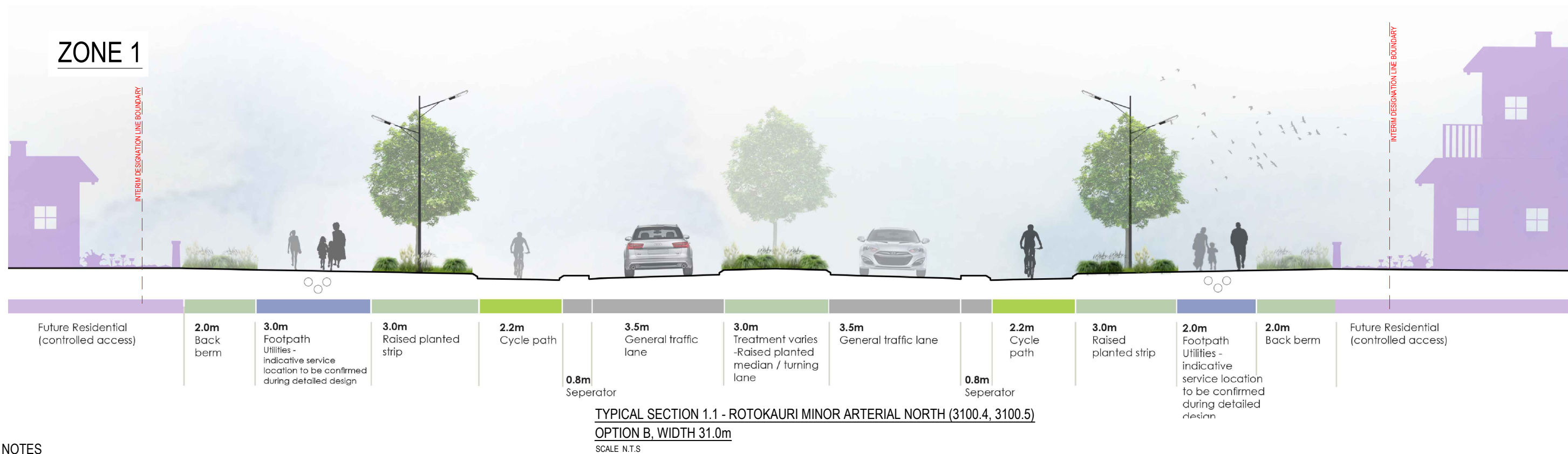
4288564-100-CA-1601

Rev.

H

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



NOTES

1. REFER TO DRAWING 000-CA-0003 FOR THE LOCATIONS OF EACH ZONE

D	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
C	DRAFT FOR INFORMATION	AAW	NT	BS	12.08.20
B	UPDATE FROM INITIAL HCC REVIEW	HJC	NT	BS	15.06.20
A	FOR INFORMATION	KMT	NT	BS	15.05.20
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	R Simpson	15.05.20	
Reduced Scale (A3)	Dwg Verifier	D Aldridge	16.03.22	Date
HALF SHOWN	Dwg Check	N Tunncliffe	16.03.22	
	* Refer to Revision 1 for Original Signature			



Project: ROTOKAURI ARTERIALS DESIGNATION

Title: TYPICAL ROAD CROSS SECTIONS SHEET 01

Discipline	CIVIL ENGINEERING
Drawing No.	4288564-100-CA-2000
Rev.	D

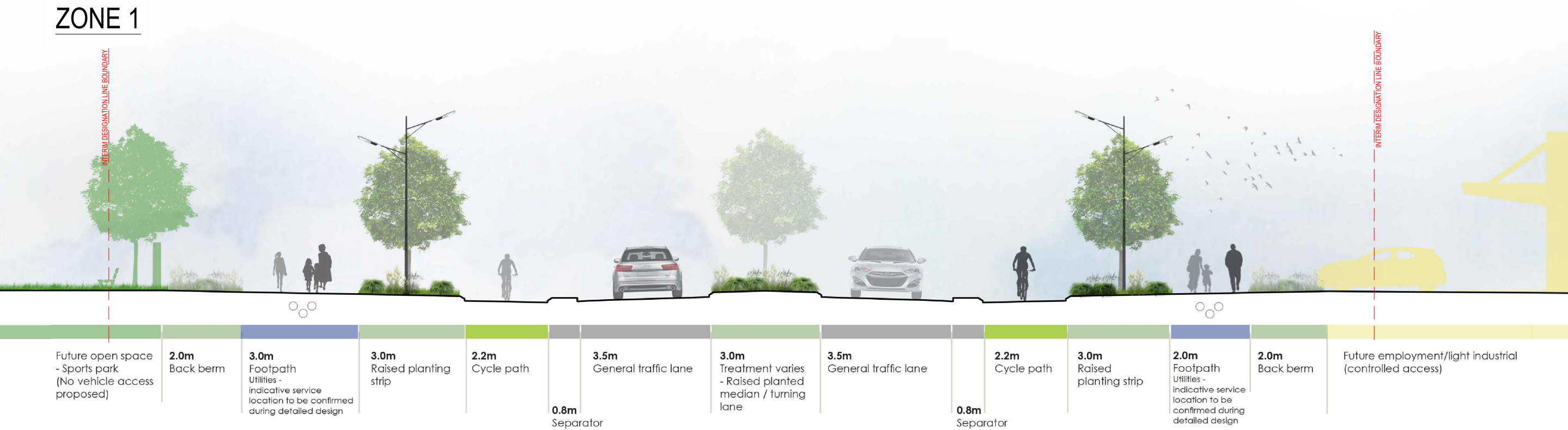
**DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY**

**PRELIMINARY
NOT FOR CONSTRUCTION**

Image File Source: \\Beca.net\projects\428\4288564\UDLA\Short List Options\Sections in PSD\Option 3a-5\jpeg\Option 3a-5_Section 1_Red Zone_Minor Arterial Residential-RevA.jpg
Revision A



TYPICAL SECTION 1.2 - ROTOKAURI MINOR ARTERIAL NORTH (3100.3)
OPTION A, WIDTH 28.4m
SCALE N.T.S



NOTES

1. REFER TO DRAWING 000-CA-0003 FOR THE LOCATIONS OF EACH ZONE

TYPICAL SECTION 1.2 - ROTOKAURI MINOR ARTERIAL NORTH (3100.3)
OPTION B, WIDTH 31.0m
SCALE N.T.S

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
D	UPDATED SECTION 3100.3	BRM	-	-	25.01.22
C	DRAFT FOR INFORMATION	AAW	NT	BS	12.08.20
B	UPDATE FROM INITIAL HOC REVIEW	HJC	NT	BS	15.06.20
No.	Revision	By	Chk	Appd	Date



Original Scale (A1)	Design	M. Tam	10.03.20	Approved For Construction*
AS SHOWN	Drawn	R Simpson	15.05.20	
Reduced Scale (A3)	Dwg Verifier	D Aldridge	16.03.22	Date
HALF SHOWN	Dwg Check	N Tunncliffe	16.03.22	
	* Refer to Revision 1 for Original Signature			



Project:
ROTKAURI ARTERIALS DESIGNATION

Title:
TYPICAL ROAD CROSS SECTIONS
SHEET 02

Discipline	CIVIL ENGINEERING
Drawing No.	4288564-100-CA-2001
Rev.	E



rmwater swale replaced land when adjacent ed	2.0m Back berm	2.0m Footpath Utilities - indicative service location to be confirmed during detailed design	2.2m Cycle path	3.0m Raised planted strip / indented parking	3.5m General traffic lane	3.0m Treatment varies - Raised planted median / turning lane	3.5m General traffic lane	3.0m Footpath with street trees / indented parking	2.2m Cycle path	3.0m Shared path Utilities - indicative service location to be confirmed during detailed design	2.0m Back berm	Greenway
--	----------------------	--	--------------------	---	---------------------------------	--	------------------------------	--	--------------------	---	-------------------	----------

TYPICAL SECTION 2 - MINOR ARTERIAL, TE KOWHAI ROAD WEST EXTENSION (3101.3)
OPTION A, WIDTH 29.4m
SCALE N.T.S



Future wetland location subject to change	3.0m Back berm	3.0m Footpath Utilities - indicative service location to be confirmed during detailed design	2.2m Cycle path	3.0m Raised planted berm and street trees	3.5m General traffic lane	3.5m General traffic lane	3.0m Raised planted berm and street trees	2.2m Cycle path	2.0m Footpath Utilities - indicative service location to be confirmed during detailed design	2.0m Back berm	Future residential (controlled access)
--	----------------------	---	--------------------	--	------------------------------	------------------------------	--	--------------------	---	-------------------	---

NOTES

- REFER TO DRAWING 000-CA-0003
FOR THE LOCATIONS OF EACH ZONE

Image File Source: \\Beca.net\projects\428\428564\UDLA\Short List Options\Sections in PSD\Option 3a-5\jpeg\Option 3a-5_Section 4_Yellow Zone_Collector Road-RevA.jpg
Revision A

TYPICAL SECTION 3 - COLLECTOR ROAD (3121.1)
WIDTH 27.4m
SCALE N.T.S

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

E	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
D	UPDATED SECTION 3121.1	BRM	-	-	25.01.22
C	DRAFT FOR INFORMATION	AAW	NT	BS	12.08.20
B	UPDATE FROM INITIAL HOC REVIEW	HJC	NT	BS	15.06.20
No.	Revision	By	Chk	Appd	Date



Original Scale (A1) AS SHOWN	Design Drawn Dwg Verifier Dwg Check	M. Tam R Simpson D Aldridge N Tunnickliffe	10.03.20 15.05.20 16.03.22 16.03.22	Approved For Construction*
Reduced Scale (A3) HALF SHOWN	* Refer to Revision 1 for Original Signature			

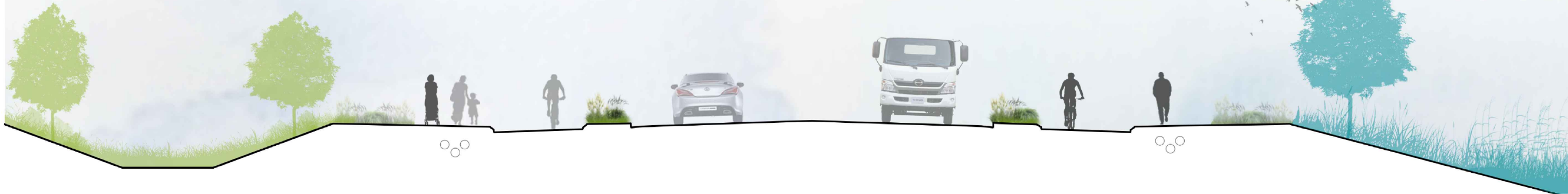


Project:
ROTOKAURI ARTERIALS DESIGNATION

Title:
TYPICAL
ROAD CROSS SECTIONS
SHEET 03

Discipline CIVIL ENGINEERING	Rev. E
Drawing No. 4288564-100-CA-2002	

ZONE 4



Permanent road swale within greenway designation	2.0m Back berm	2.0m Footpath Utilities - indicative service location to be confirmed during detailed design	2.2m Cycle path	1.2m Separator	3.5m General traffic lane	2m Raised median / flush turning lane	3.5m General traffic lane	1.2m Separator	2.2m Cycle path	2.0m Footpath Utilities - indicative service location to be confirmed during detailed design	2.0m Back berm	Future wetland
--	----------------	---	-----------------	----------------	---------------------------	---------------------------------------	---------------------------	----------------	-----------------	---	----------------	----------------

TYPICAL SECTION 4 - COLLECTOR ROAD, CHALMERS ROAD EXTENSION (3122.2)
WIDTH 23.8m
SCALE N.T.S

ZONE 5



Industrial (controlled access) Future stream between road and future industrial landuse	2.0m Back berm	2.0m Footpath Utilities - indicative service location to be confirmed during detailed design	3.0m Raised planted strip/ indented parking	3.5m General traffic lane	3.0m Treatment varies - Raised planted median/turning lane	3.5m General traffic lane	3.0m Footpath with street trees / indented parking	1.4m Cycle path	1.4m Cycle path	2.0m Footpath Utilities - indicative service location to be confirmed during detailed design	2.0m Back berm	Future industrial (controlled access)
--	----------------	---	---	---------------------------	--	---------------------------	--	-----------------	-----------------	---	----------------	---------------------------------------

TYPICAL SECTION 5 - MINOR ARTERIAL, TE KOWHAI ROAD WEST EXTENSION (3101.3)
WIDTH 26.8m
SCALE N.T.S

- NOTES
- 1. REFER TO DRAWING 000-CA-0003 FOR THE LOCATIONS OF EACH ZONE

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

B	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
A	DRAFT FOR INFORMATION	AAW	NT	BS	12.08.20
No.	Revision	By	Chk	Appd	Date



Original Scale (A1) AS SHOWN	Design Drawn	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3) HALF SHOWN	Design Checked	D Aldridge	16.03.22	Date
	Dwg Check	N Tunnick	16.03.22	
				* Refer to Revision 1 for Original Signature



Project:
ROTORAURI ARTERIALS DESIGNATION

Title:
TYPICAL
ROAD CROSS SECTIONS
SHEET 04

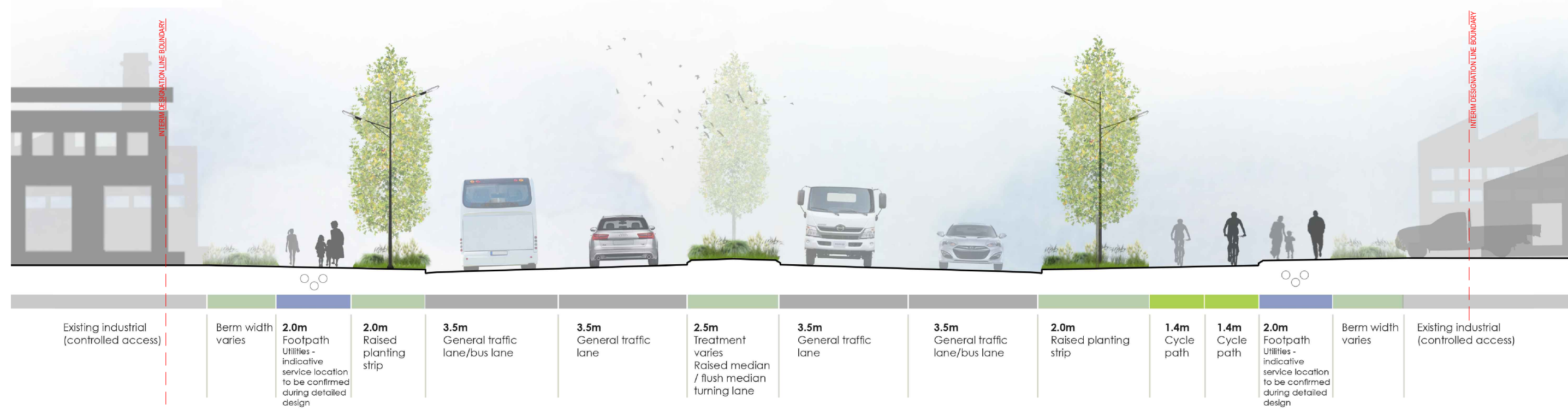
Discipline CIVIL ENGINEERING	Rev. B
Drawing No. 4288564-100-CA-2003	

ZONE 6



TYPICAL SECTION 6 - COLLECTOR ROAD, ARTHUR PORTER DRIVE (3102.2)
WIDTH 23.0m
SCALE N.T.S

ZONE 7



NOTES

1. REFER TO DRAWING 000-CA-0003 FOR THE LOCATIONS OF EACH ZONE

TYPICAL SECTION 7 - MAJOR ARTERIAL, TE KOWHAI ROAD EAST UPGRADE (3101.1, 3101.2)
WIDTH 31.1m
SCALE N.T.S

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

B	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
A	DRAFT FOR INFORMATION	AAW	NT	BS	12.08.20
No.	Revision	By	Chk	Appd	Date



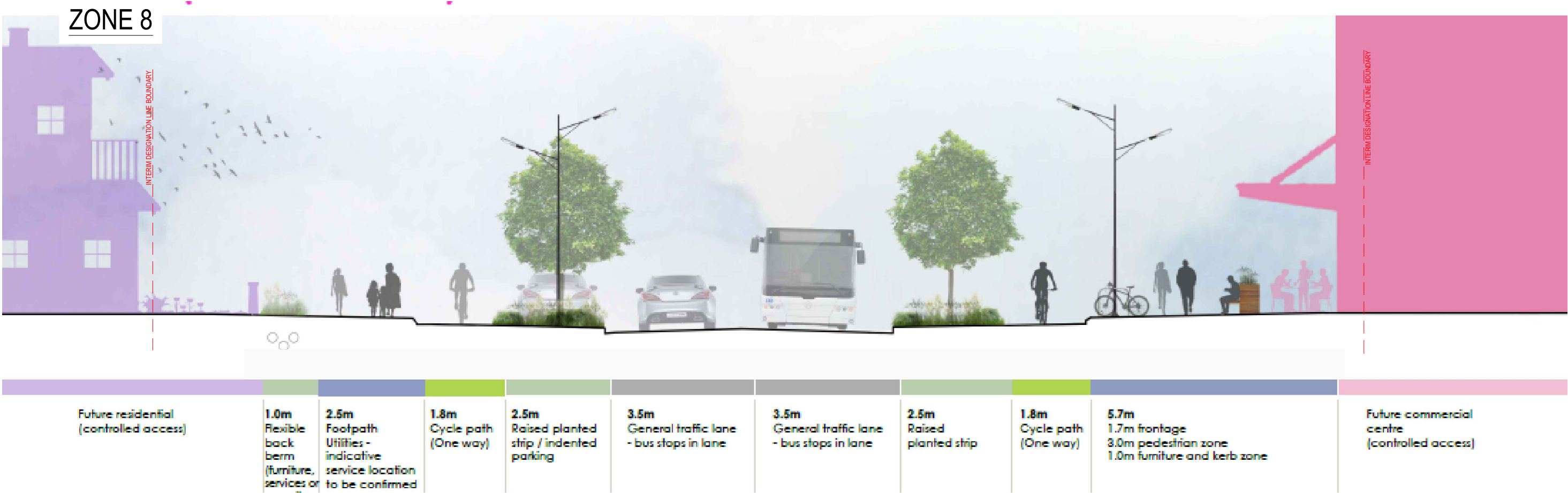
Original Scale (A1) AS SHOWN	Design Drawn	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3) HALF SHOWN	Dwg Verifier	D Aldridge	12.08.20	Date
	Dwg Check	N Tunncliffe	16.03.22	
	* Refer to Revision 1 for Original Signature			



Client: ROTOKAURI ARTERIALS DESIGNATION

Title: TYPICAL ROAD CROSS SECTIONS SHEET 05

Discipline	CIVIL ENGINEERING
Drawing No.	4288564-100-CA-2004
Rev.	B



TYPICAL SECTION 8 - ROTOKAURI MINOR ARTERIAL NORTH, COMMERCIAL CENTRE (3100.2)
WIDTH 24.8m
SCALE N.T.S

NOTES

1. REFER TO DRAWING 000-CA-0003
FOR THE LOCATIONS OF EACH ZONE

No.	Revision	By	Chk	Appd	Date
C	NOTICE OF REQUIREMENT	BM	NT	DA	16.03.22
B	UPDATED CROSS SECTION 3100.2	BRM	-	-	25.01.22
A	DRAFT FOR INFORMATION	AAW	NT	BS	12.08.20

Drawing Originator:

Original Scale (A1) AS SHOWN	Design Drawn M. Tam 10.03.20	Approved For Construction*
Reduced Scale (A3) HALF SHOWN	Design Verified D Aldridge 12.08.20	Date
	Design Checked N Tunnick 16.03.22	

* Refer to Revision 1 for Original Signature

Client:

Te kaunihera o Kirikiriroa

Project:

ROTOKAURI ARTERIALS DESIGNATION

Title:

TYPICAL
ROAD CROSS SECTIONS
SHEET 06

Discipline

CIVIL ENGINEERING

Drawing No.

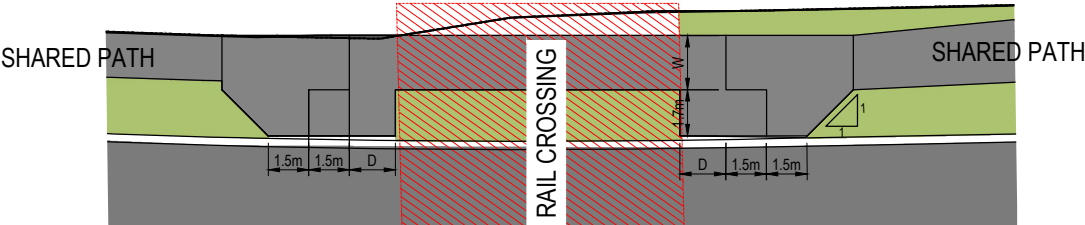
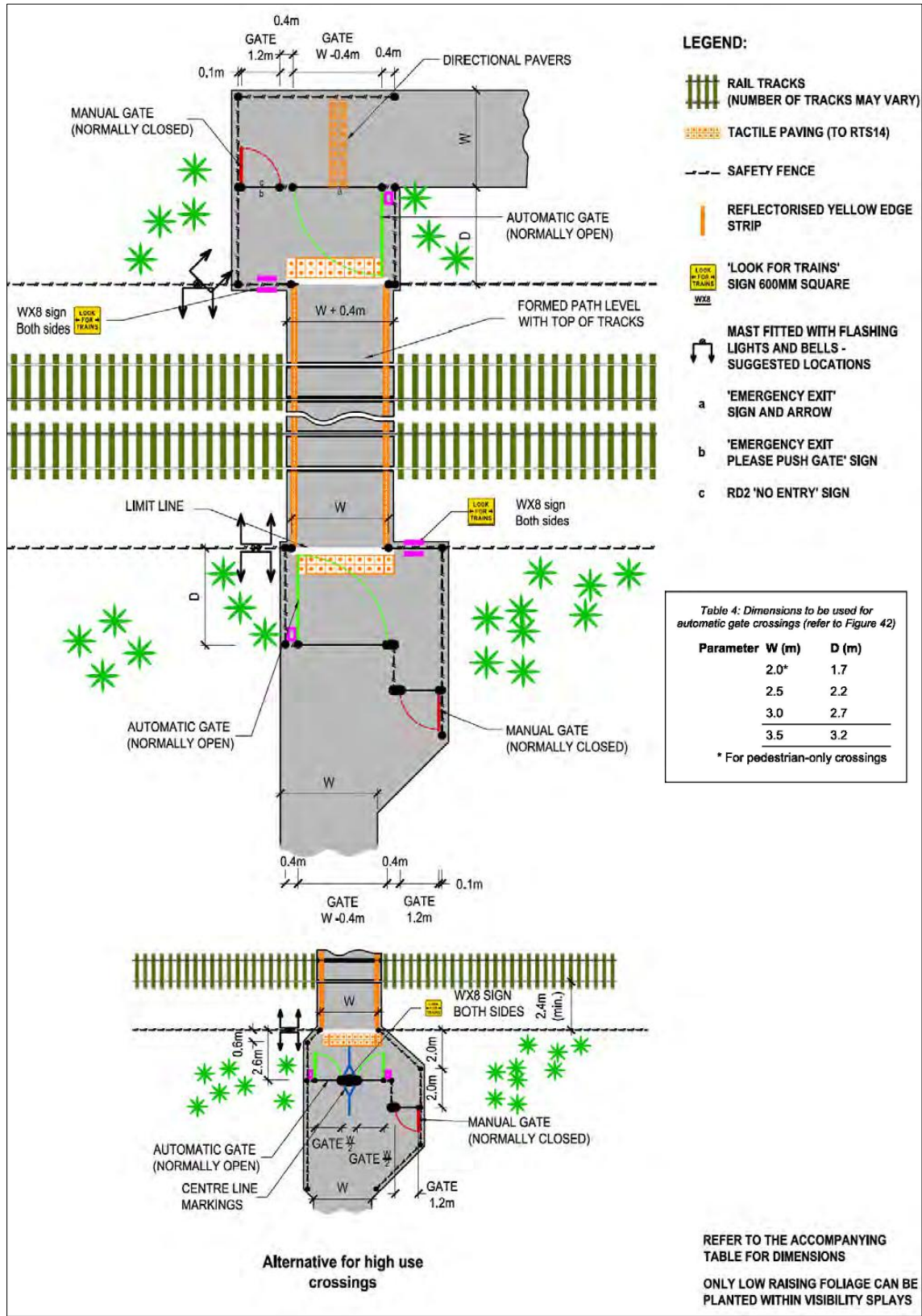
4288564-100-CA-2005

Rev.

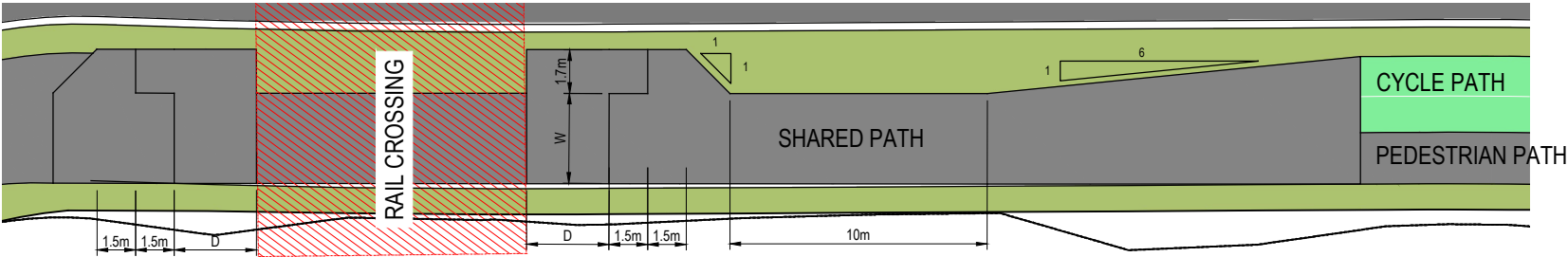
C

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION



DETAIL 1: RAIL CROSSING (SHARED PATH)
NTS



DETAIL 2: RAIL CROSSING (SHARED PATH WITH CYCLE PATH TRANSITION)
NTS

SOURCE DETAIL: FIGURE 42, KIWIRAIL DESIGN GUIDANCE FOR PEDESTRIAN AND CYCLE RAIL CROSSING (JULY 2017)

No.	Revision	By	Chk	Appd	Date
A	NOTICE OF REQUIREMENT	JC	CH	CS	02.06.23

Drawing Originator:
Beca

Original Scale (A1)	Design	J. Currie	10.05.23	Approved For Construction*
NTS	Drawn	J. Currie	10.05.23	Date
Reduced Scale (A3)	Design			
NTS	Check			

* Refer to Revision 1 for Original Signature

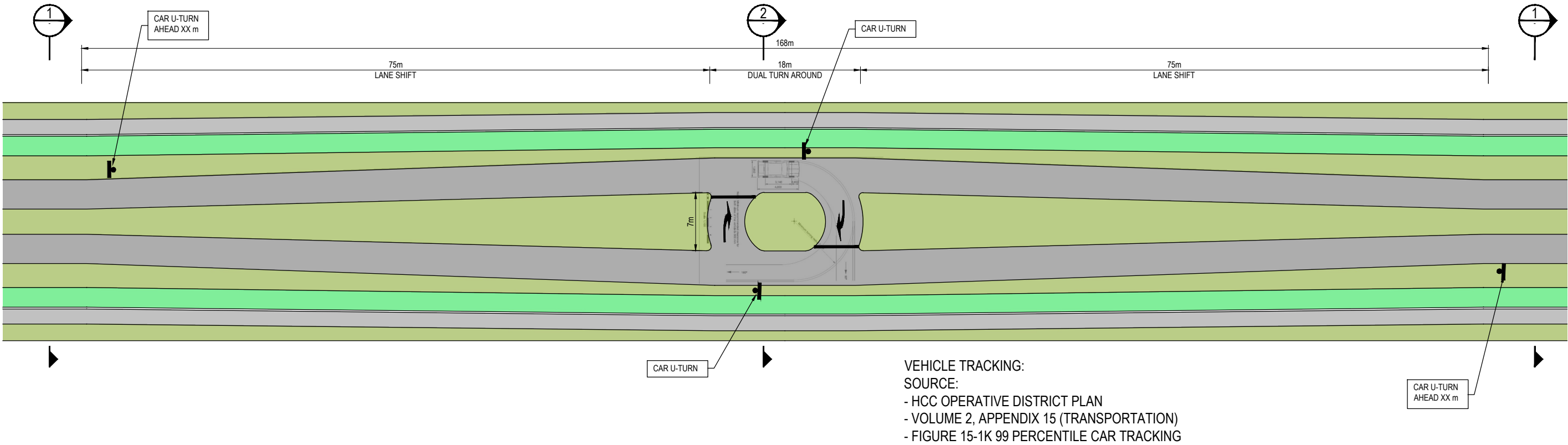
Client:
Hamilton City Council
Te kaunihera o Kirikiriroa

Project:
ROKOKAURI ARTERIALS DESIGNATION

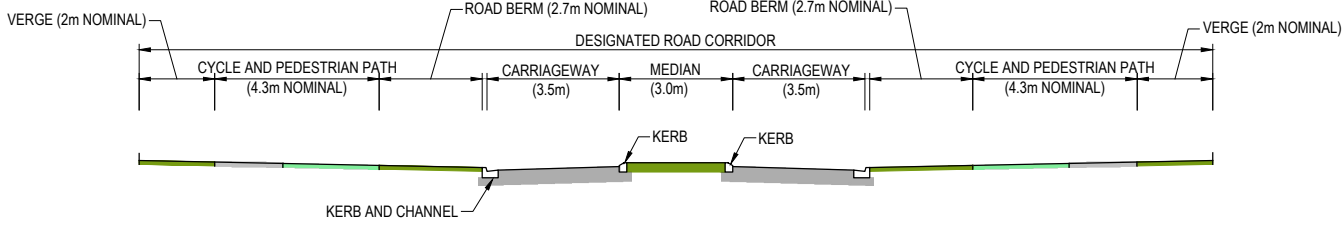
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RAIL CROSSING DETAIL

Discipline:
CIVIL ENGINEERING

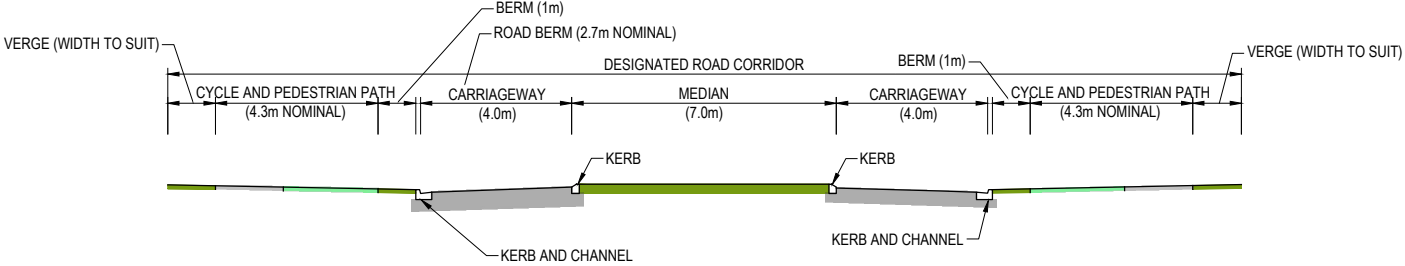
Drawing No.	Rev.
4288564-100-CA-2006	A



VEHICLE TRACKING:
SOURCE:
- HCC OPERATIVE DISTRICT PLAN
- VOLUME 2, APPENDIX 15 (TRANSPORTATION)
- FIGURE 15-1K 99 PERCENTILE CAR TRACKING



1 NOMINAL ROAD CROSS SECTION
SCALE NTS



2 U-TURN ROAD CROSS SECTION
SCALE NTS

ORIGINAL DRAWING
IN COLOUR

DRAFT ONLY
NOT FOR CONSTRUCTION

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

FOR INFORMATION
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
A	NOTICE OF REQUIREMENT	JC	CH	CS	02.06.23

Drawing Originator:
Beca

Original Scale (A1) NTS	Design Drawn B Mercer 02.06.23	Approved For Construction*
Reduced Scale (A3) NTS	Design Drawn J. Currie 02.06.23	Date

Client:
Hamilton City Council
Te kaunihera o Kirikiriroa

Project:
ROTOKAURI ARTERIALS DESIGNATION

Title:
MIDBLOCK TURNING FACILITY

Discipline	CIVIL ENGINEERING
Drawing No.	4288564-100-CA-2007
Rev.	A