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

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FOR INFORMATION
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No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

Original Scale (A1) N/A
Reduced Scale (A3) N/A

Design	M. Tam	10.03.20	Approved For Construction*
Drawn	M. Tam	15.05.20	
Dsg Verifier			
Dwg Check			Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council, Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: DRAWINGS LIST

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-000-CA-0001

Rev.: G

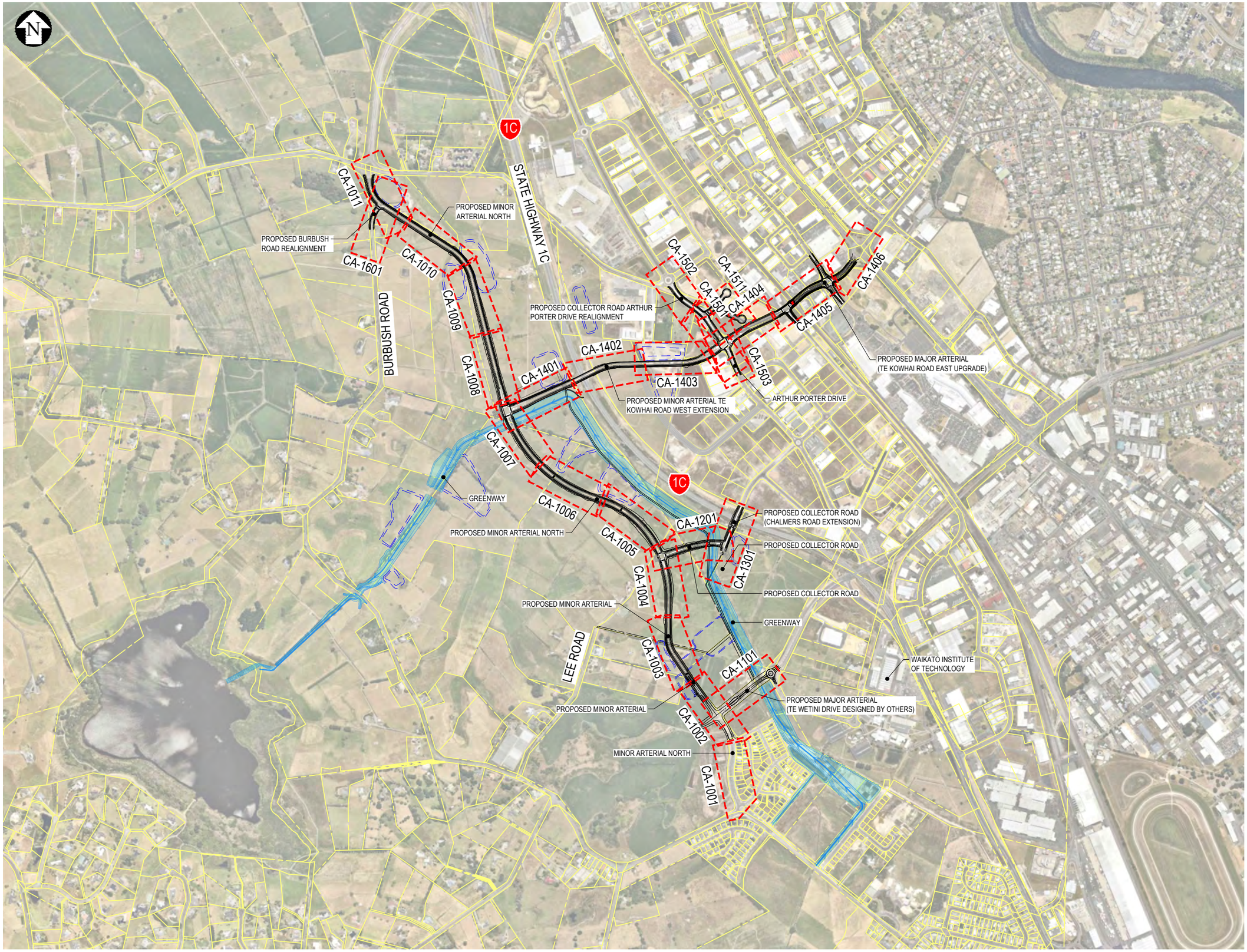
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Document No. 4288564-000-CA-0001.DWG

Drawing Plotted: 07 Jul 2023 1:59 pm



No.	Revision	By	Chk	Appd	Date
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 HCC REVIEW	HJC	NT	BS	15.06.20

Drawing Originator: Beca

Original Scale (A1) 1:7500	Design	M. Tam	10.03.20
	Drawn	M. Tam	15.05.20
Reduced Scale (A3) 1:15000	Dsg Verifier		
	Dwg Check		

Approved For Construction* Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: ROADING KEY PLAN

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-000-CA-0002 Rev.: E

ORIGINAL DRAWING IN COLOUR

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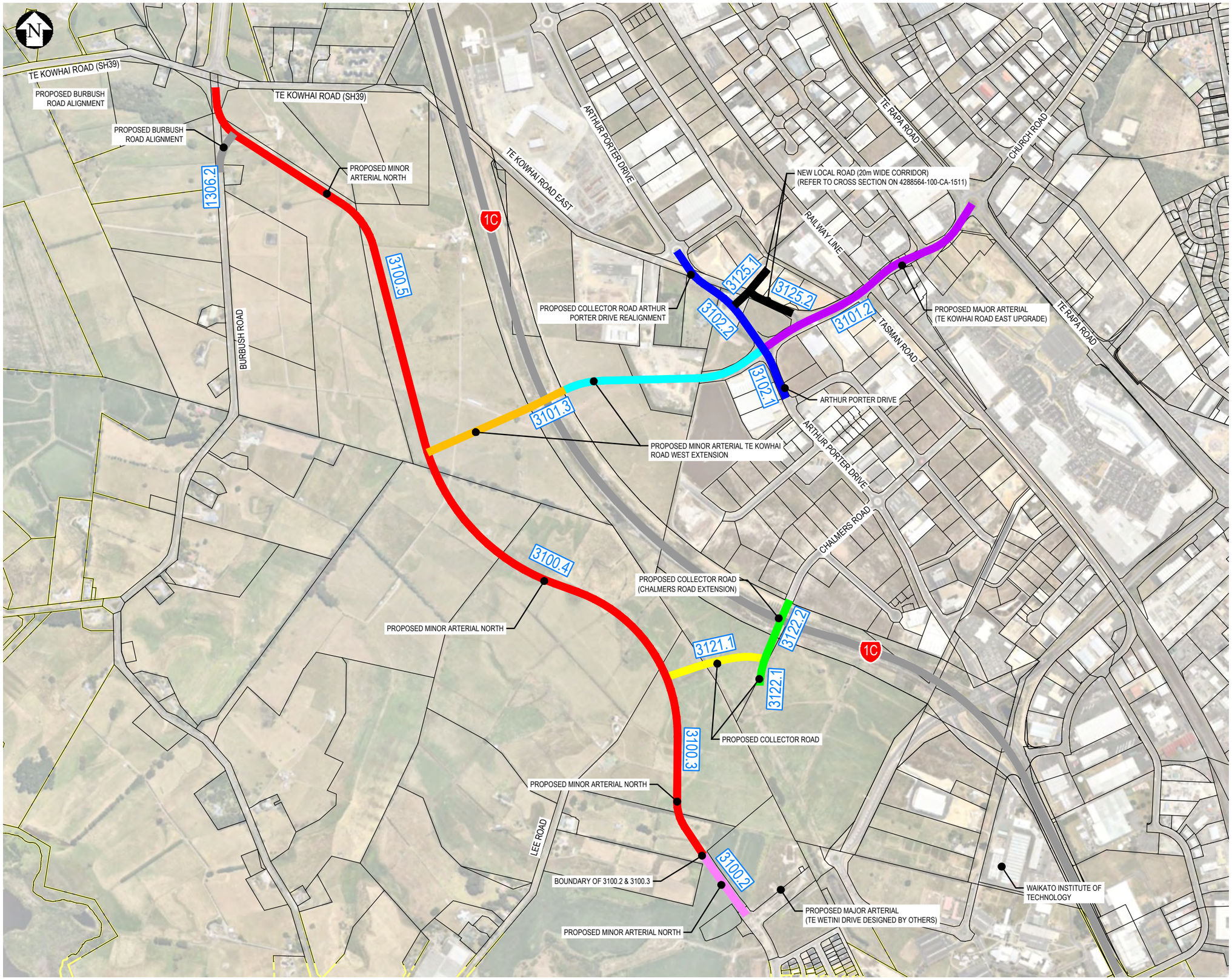
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Document No. 4288564-000-CA-0002.DWG

Drawing Plotted: 12 Sep 2024 1:59 p.m.



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)
- 1C — 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)

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ORIGINAL DRAWING IN COLOUR

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DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

Original Scale (A1) 1:5000
Reduced Scale (A3) 1:10000

Design	M. Tam	10.03.20	Approved For Construction*
Drawn	A. Webb	12.08.20	
Dsg Verifier			
Dwg Check			Date

* Refer to Revision 1 for Original Signature

Client:

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: ROAD GENERAL ARRANGEMENT

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-000-CA-0003

Rev.: E

Document No. 4288564-000-CA-0003.DWG

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Drawing Plotted: 08 Aug 2023 12:44 p.m.



LEGEND

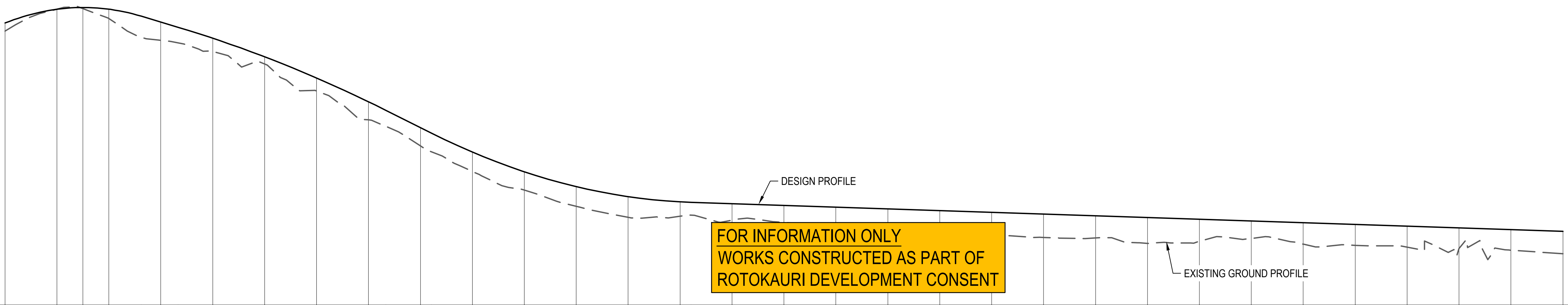
EXISTING

- 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 = 34

VERTICAL ALIGNMENT: K = 3.75, L = 27.09 | G = -3%, L = 7.09 | K = 20, L = 40 | G = -5%, L = 8.79 | K = 10.71, L = 50 | G = -0.33%, L = 168.29

HORIZONTAL ALIGNMENT: L = 312.63 | L = 19.47 | L = 10.69 | L = 27.19, R = 224.3 | L = 148.19, R = 265.04 | L = 0.28 | L = 166.05, R = -200.36

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

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* 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 01

Discipline: CIVIL ENGINEERING

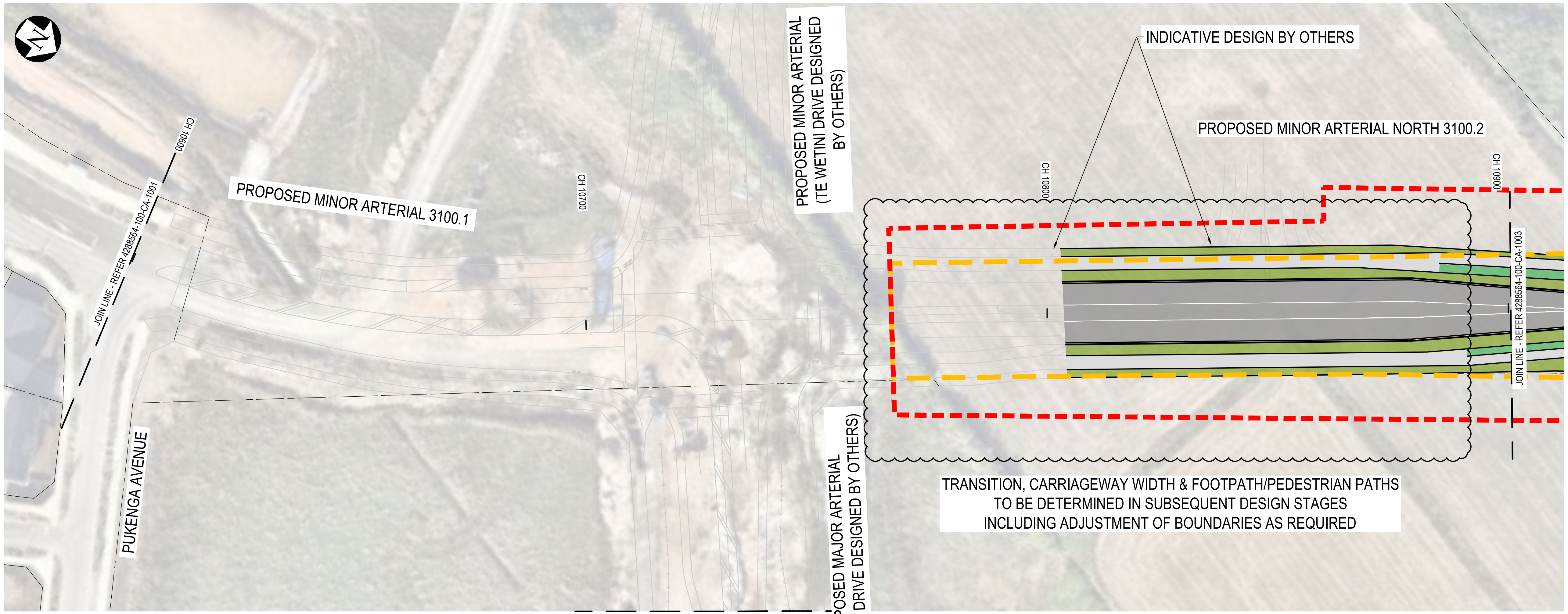
Drawing No.: 4288564-100-CA-1001 Rev.: H

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Document No. 4288564-100-CA-1001.DWG



PLAN

SCALE 1:500

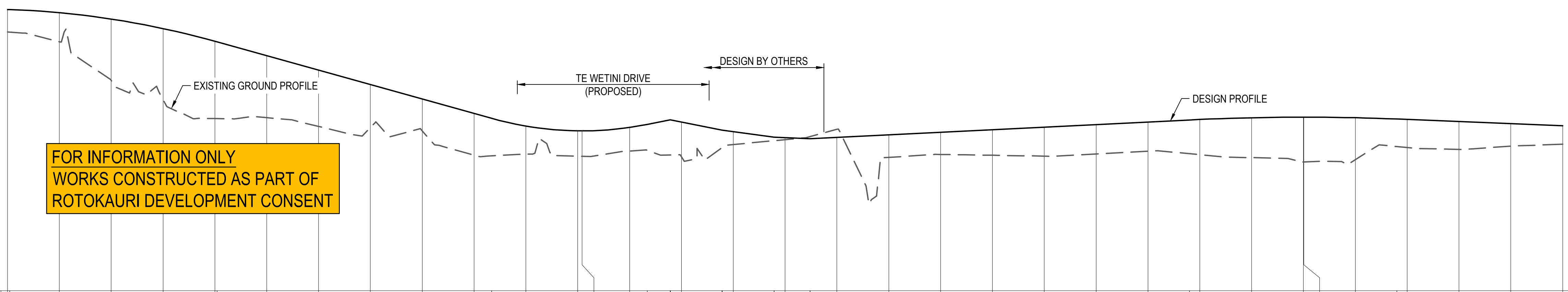
LEGEND

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 = 30

VERTICAL ALIGNMENT: G = -0.33%, L = 168.29; K = 16.35, L = 40; G = -2.78%, L = 52.97; K = 6.28, L = 30; G = 2%, L = 4.46; G = -2%, L = 10.01; G = -1.37%, L = 10; G = -0.38%, L = 6.97; G = 0.49%, L = 73.18; K = 44.86, L = 40; G = -0.4%, L = 75.94

HORIZONTAL ALIGNMENT: L = 166.05, R = -200.36; L = 72.29; L = 40, R = 2000; L = 86.97; L = 47.55, R = 1200

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
10600.00	35.42	34.99
10610.00	35.36	34.80
10620.00	35.23	34.05
10630.00	35.05	33.68
10640.00	34.80	33.32
10650.00	34.53	33.33
10660.00	34.25	33.16
10670.00	33.97	33.14
10680.00	33.69	33.08
10690.00	33.41	32.61
10700.00	33.17	32.63
10710.00	33.08	32.59
10710.83	33.08	32.59
10720.00	33.15	32.69
10730.00	33.25	32.58
10740.00	33.06	32.82
10750.00	32.95	32.91
10760.00	32.95	33.11
10770.00	33.00	32.57
10780.00	33.05	32.62
10790.00	33.10	32.61
10800.00	33.15	32.59
10810.00	33.20	32.63
10820.00	33.25	32.69
10830.00	33.30	32.62
10840.00	33.33	32.56
10850.00	33.34	32.48
10850.06	33.34	32.48
10860.00	33.33	32.52
10870.00	33.30	32.76
10880.00	33.26	32.72
10890.00	33.22	32.78
10900.00	33.18	32.82

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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

Client: Hamilton City Council – Te kaunihera o Kirikiriroa

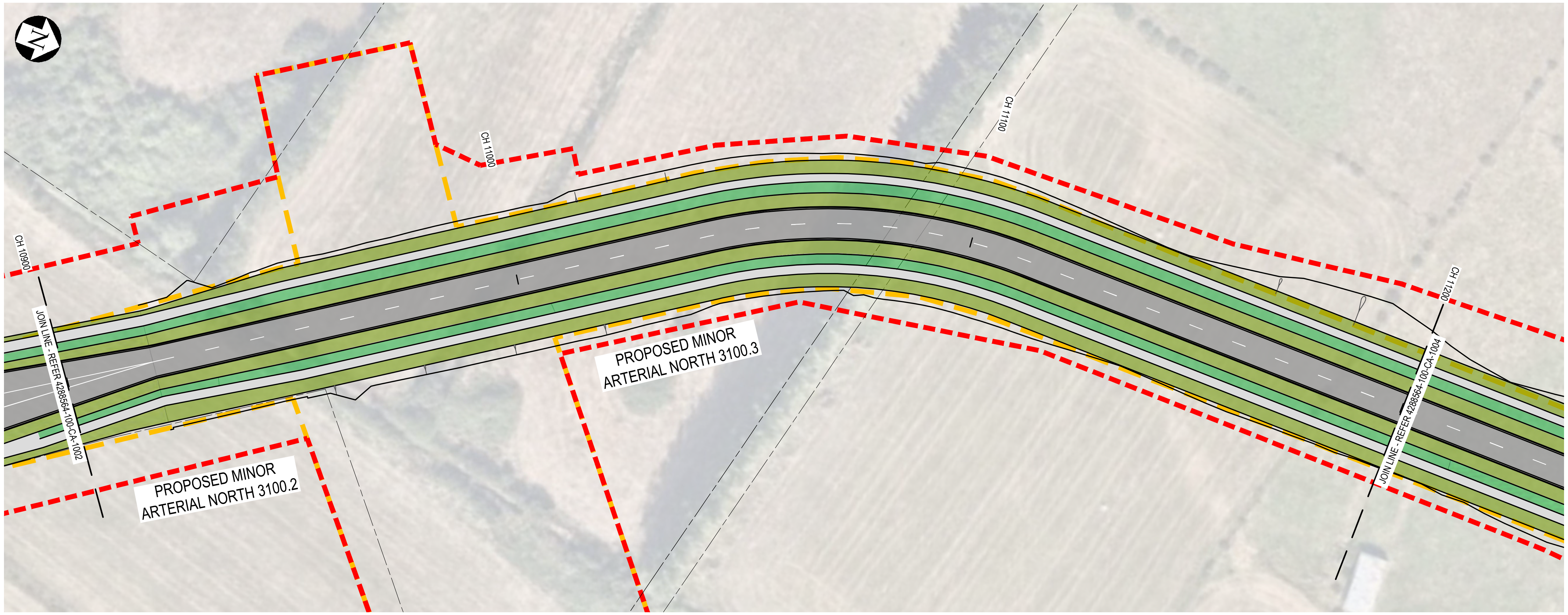
Project: ROTOKAURI ARTERIALS DESIGNATION

Title: MINOR ARTERIAL PLAN AND LONG SECTION SHEET 02

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-1002 Rev. H

Drawing Plotted: 08 Aug 2023 12:44 p.m.



LEGEND

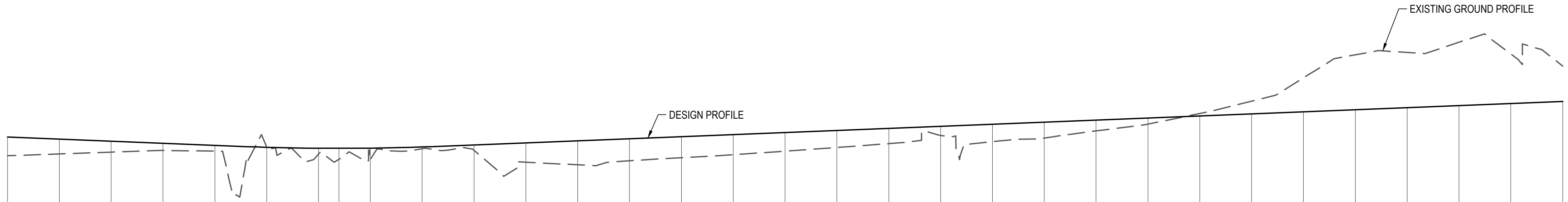
EXISTING

- 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 = 31

VERTICAL ALIGNMENT: G = -0.4%, L = 75.94 | K = 50, L = 40 | G = 0.4%, L = 437.06

HORIZONTAL ALIGNMENT: L = 47.55, R = 1200 | L = 111.43 | L = 71.54, R = 120 | L = 177.51

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
10900.00	33.18	32.82
10910.00	33.14	32.86
10920.00	33.10	32.89
10930.00	33.06	32.92
10940.00	33.02	32.91
10950.00	32.98	32.99
10960.00	32.96	32.85
10963.95	32.96	32.75
10970.00	32.97	32.75
10980.00	32.99	32.96
10990.00	33.03	32.92
11000.00	33.07	32.70
11010.00	33.11	32.65
11020.00	33.15	32.72
11030.00	33.19	32.78
11040.00	33.23	32.84
11050.00	33.27	32.91
11060.00	33.31	32.98
11070.00	33.35	33.05
11080.00	33.39	33.21
11090.00	33.43	33.09
11100.00	33.47	33.16
11110.00	33.51	33.30
11120.00	33.55	33.43
11130.00	33.59	33.63
11140.00	33.63	33.87
11150.00	33.67	34.32
11160.00	33.71	34.76
11170.00	33.75	34.81
11180.00	33.79	35.01
11190.00	33.83	34.78
11200.00	33.87	34.55

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* 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 03

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1003 Rev. H

Document No. 4288564-100-CA-1003.DWG

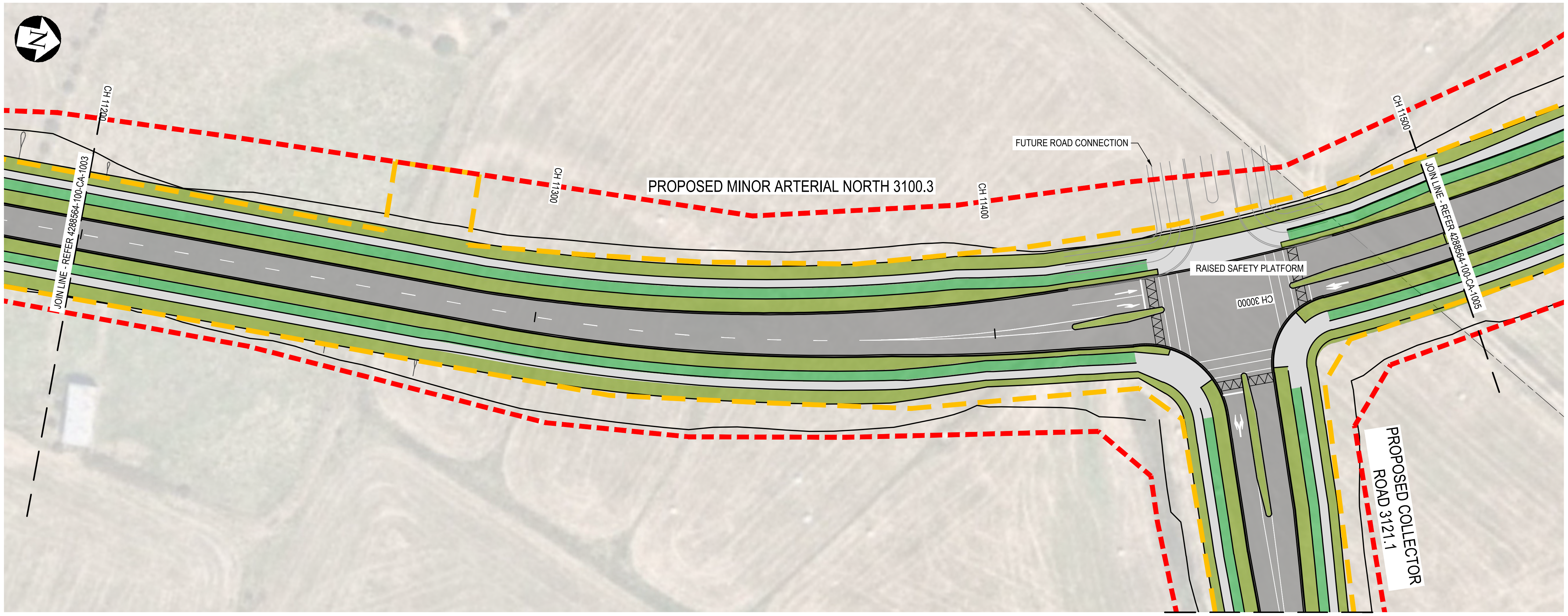
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Drawing Plotted: 08 Aug 2023 12:44 p.m.



PLAN
SCALE 1:500

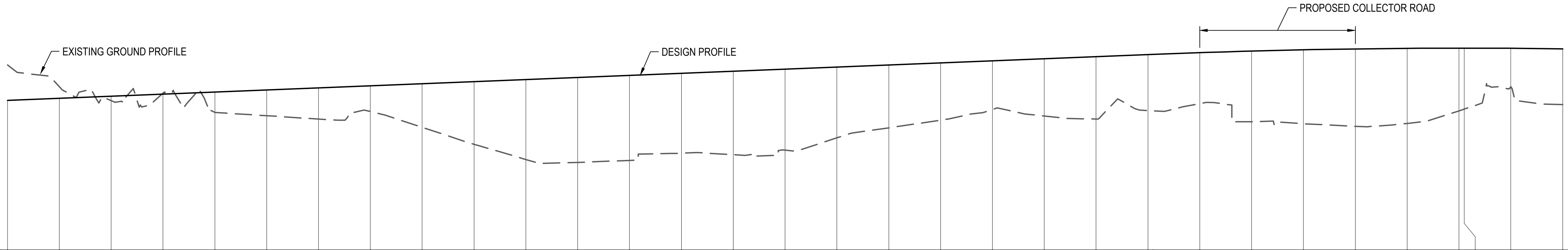
LEGEND

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 = 31

VERTICAL ALIGNMENT: G = 0.4%, L = 437.06; K = 150, L = 120

HORIZONTAL ALIGNMENT: L = 177.51; L = 503.16, R = -408.44

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
11200.00	33.87	34.55
11210.00	33.91	34.13
11220.00	33.95	33.86
11230.00	33.99	34.01
11240.00	34.03	33.64
11250.00	34.07	33.57
11260.00	34.11	33.51
11270.00	34.15	33.65
11280.00	34.19	33.35
11290.00	34.23	33.02
11300.00	34.27	32.73
11310.00	34.31	32.67
11320.00	34.35	32.71
11330.00	34.39	32.85
11340.00	34.43	32.82
11350.00	34.47	32.91
11360.00	34.51	33.15
11370.00	34.55	33.34
11380.00	34.59	33.49
11390.00	34.63	33.69
11400.00	34.67	33.57
11410.00	34.71	33.51
11420.00	34.75	33.67
11430.00	34.78	33.80
11440.00	34.82	33.46
11450.00	34.84	33.42
11460.00	34.86	33.37
11470.00	34.87	33.42
11480.00	34.87	33.67
11481.00	34.87	33.70
11490.00	34.87	34.13
11500.00	34.86	33.79

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* 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 04

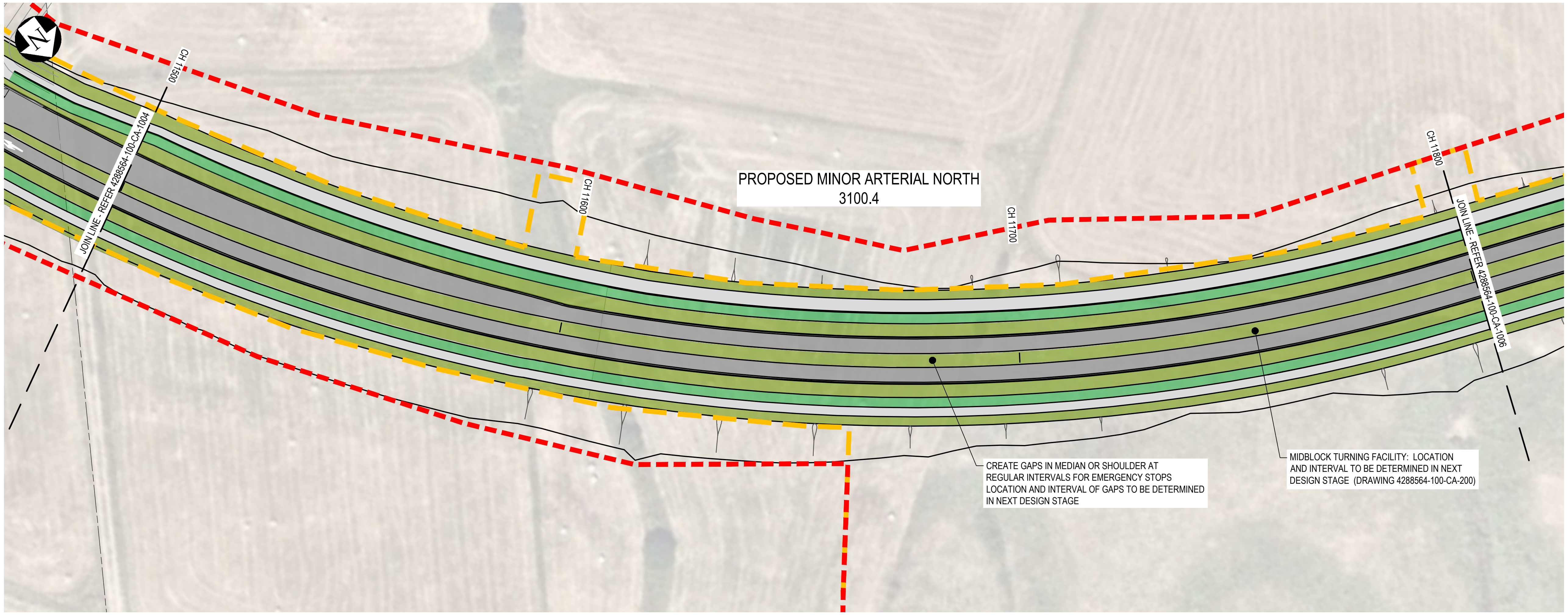
Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1004 Rev. H

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

Drawing Plotted: 08 Aug 2023 12:44 p.m.



LEGEND

EXISTING

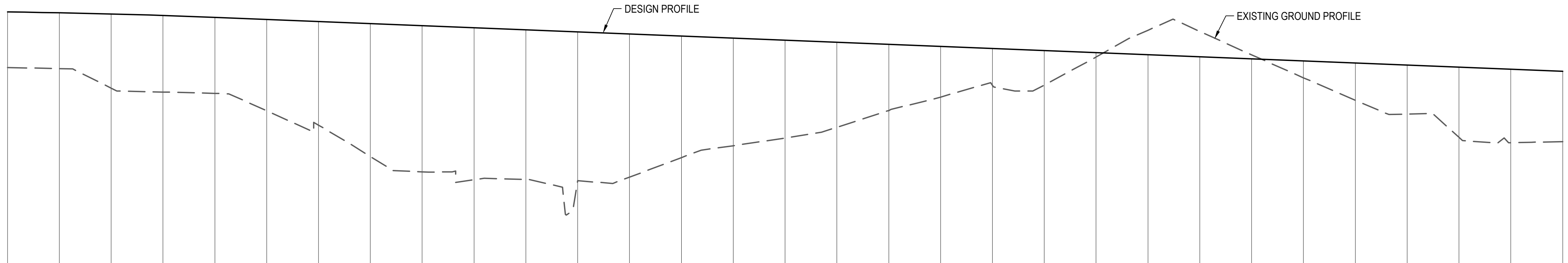
- INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR
- PROPOSED DESIGNATION BOUNDARY
- EXISTING LEGAL BOUNDARY

PROPOSED

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

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PLAN
SCALE 1:500



DATUM = 30

VERTICAL ALIGNMENT: K = 150, L = 120; G = -0.4%, L = 776.13

HORIZONTAL ALIGNMENT: L = 503.16, R = -408.44; L = 65.15

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
11500.00	34.86	33.79
11510.00	34.84	33.76
11520.00	34.82	33.39
11530.00	34.79	33.31
11540.00	34.76	33.29
11550.00	34.72	32.95
11560.00	34.68	32.67
11570.00	34.64	32.07
11580.00	34.60	31.77
11590.00	34.56	31.62
11600.00	34.52	31.63
11610.00	34.48	31.60
11620.00	34.44	31.67
11630.00	34.40	32.05
11640.00	34.36	32.28
11650.00	34.32	32.43
11660.00	34.28	32.63
11670.00	34.24	32.95
11680.00	34.20	33.22
11690.00	34.16	33.44
11700.00	34.12	33.45
11710.00	34.08	33.99
11720.00	34.04	34.50
11730.00	34.00	34.48
11740.00	33.96	34.03
11750.00	33.92	33.59
11760.00	33.88	33.15
11770.00	33.84	32.89
11780.00	33.80	32.44
11790.00	33.76	32.34
11800.00	33.72	32.36

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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

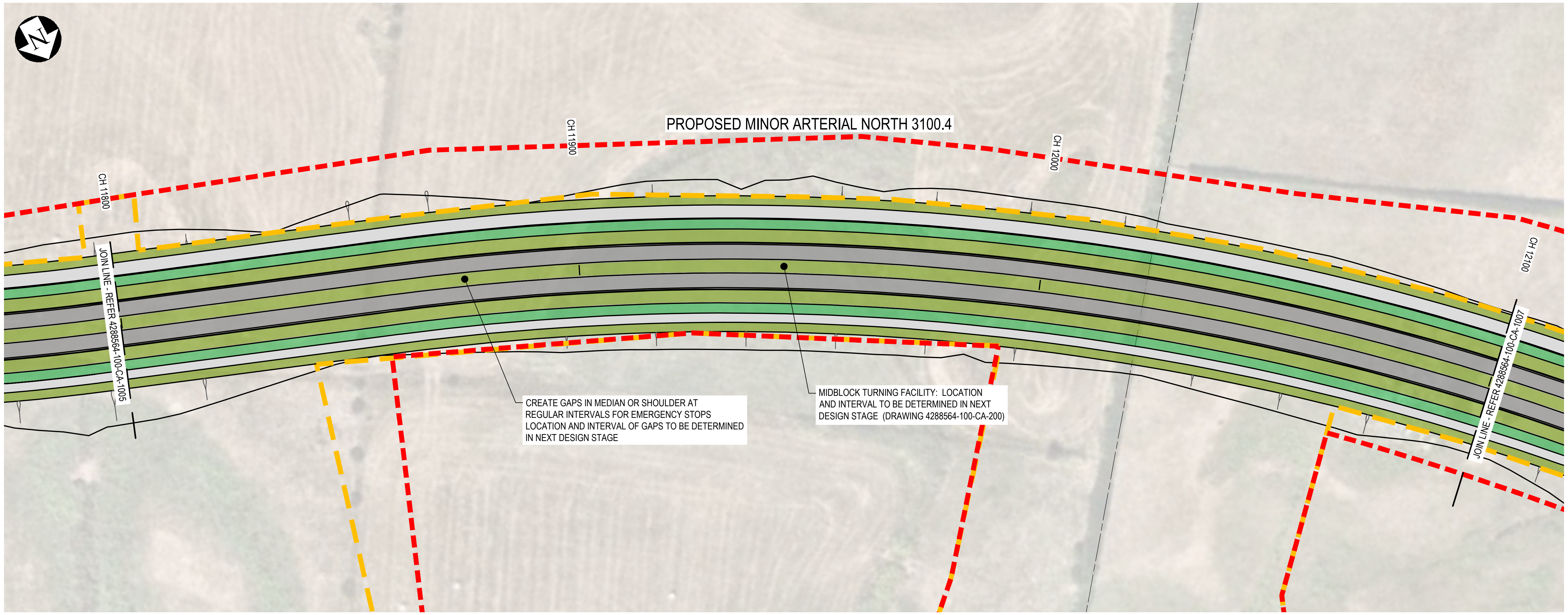
Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1005 Rev. H

Document No. 4288564-100-CA-1005.DWG

DO NOT SCALE

IF IN DOUBT ASK.



LEGEND

EXISTING

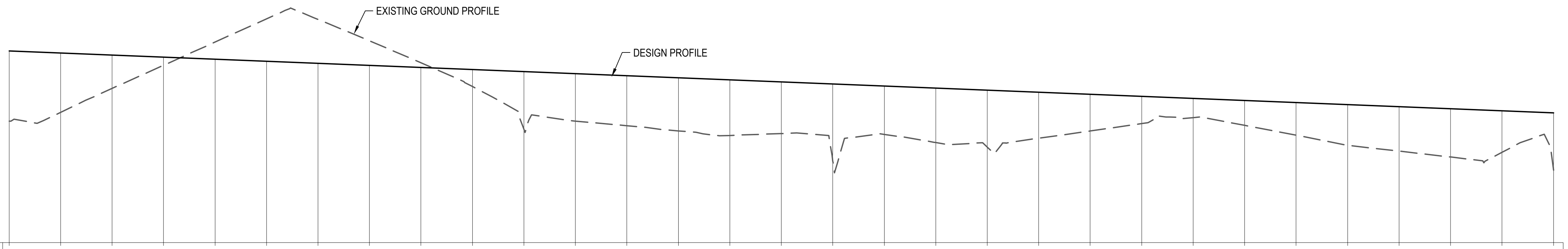
- INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR
- PROPOSED DESIGNATION BOUNDARY
- EXISTING LEGAL BOUNDARY

PROPOSED

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

PLAN

SCALE 1:500



DATUM = 30

VERTICAL ALIGNMENT	G = -0.4% L = 776.13															
HORIZONTAL ALIGNMENT	L = 65.15							L = 541.7 R = 559								
DESIGN LEVELS	33.72	33.68	33.64	33.60	33.56	33.52	33.48	33.44	33.40	33.36	33.32	33.28	33.24	33.20	33.16	33.12
EXISTING LEVELS	32.36	32.53	32.99	33.44	33.89	34.34	34.33	33.92	33.49	33.03	32.20	32.36	32.27	32.17	32.08	32.11
CHAINAGE	11800.00	11810.00	11820.00	11830.00	11840.00	11850.00	11860.00	11870.00	11880.00	11890.00	11900.00	11910.00	11920.00	11930.00	11940.00	11950.00

DESIGN LEVELS	33.08	33.04	33.00	32.96	32.92	32.88	32.84	32.80	32.76	32.72	32.68	32.64	32.60	32.56	32.52
EXISTING LEVELS	31.58	32.10	31.94	31.85	32.02	32.16	32.31	32.42	32.27	32.08	31.89	31.77	31.66	31.75	31.40
CHAINAGE	11960.00	11970.00	11980.00	11990.00	12000.00	12010.00	12020.00	12030.00	12040.00	12050.00	12060.00	12070.00	12080.00	12090.00	12100.00

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
	Drawn	M. Tam	15.05.20	
Reduced Scale (A3) HALF SHOWN	Dsg Verifier			
	Dwg Check			Date
	* 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 06

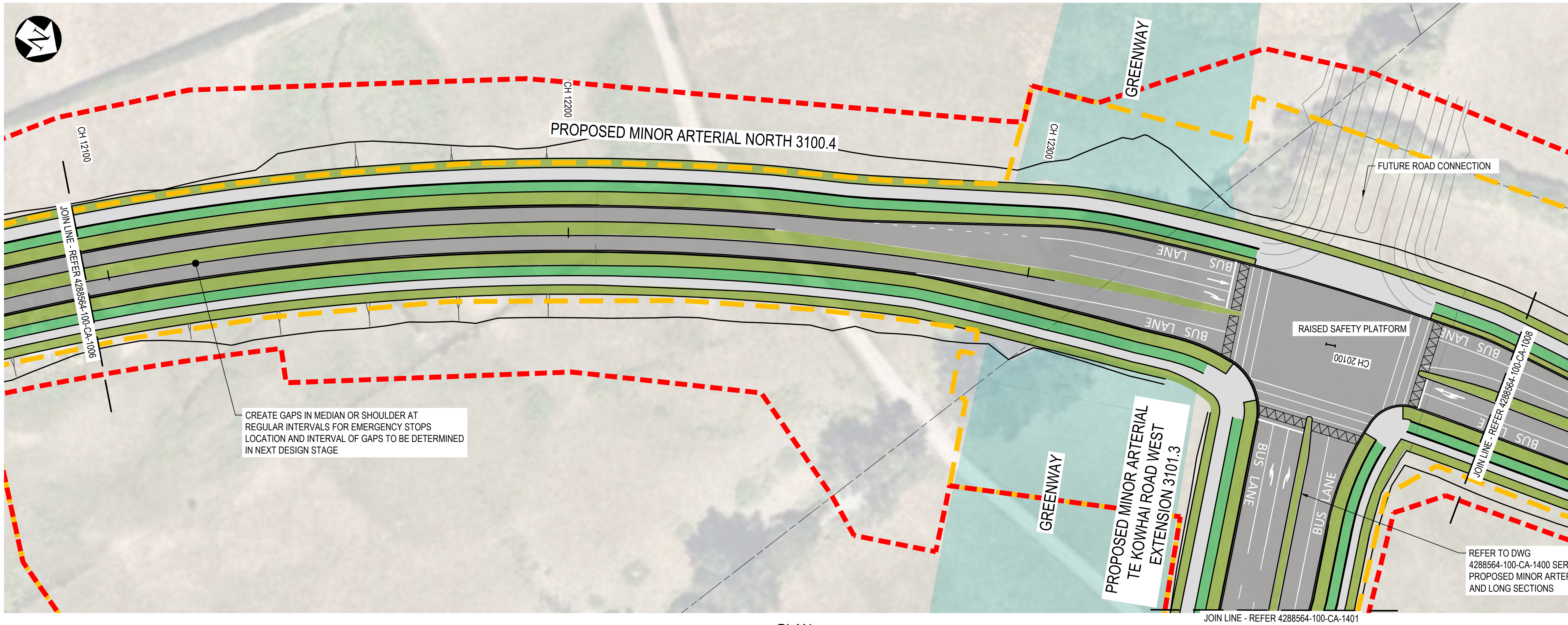
Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-1006 Rev.: H

Document No. 4288564-100-CA-1006.DWG

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IF IN DOUBT ASK.

Drawing Plotted: 08 Aug 2023 12:45 p.m.



LEGEND

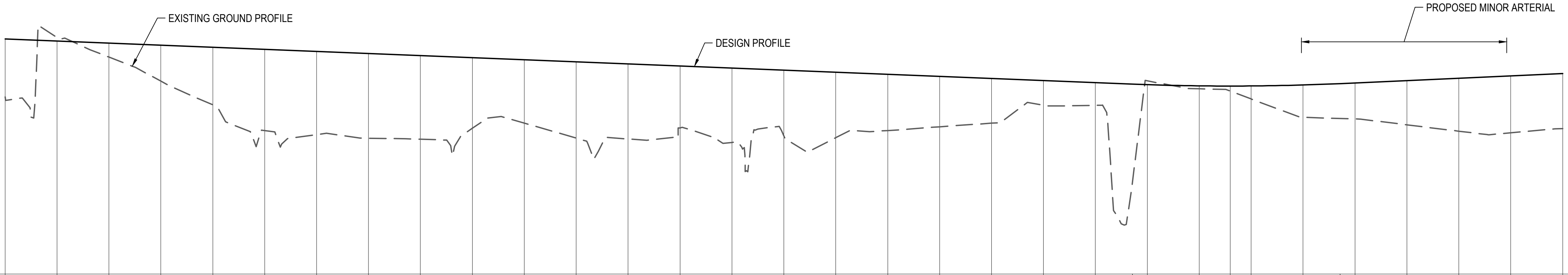
EXISTING

- 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; K = 47.06, L = 40; G = 0.45%, L = 206.3

HORIZONTAL ALIGNMENT: L = 541.7, R = 559

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
12100.00	32.52	31.40
12110.00	32.48	32.54
12120.00	32.44	32.17
12130.00	32.40	31.70
12140.00	32.36	31.25
12150.00	32.32	30.75
12160.00	32.28	30.68
12170.00	32.24	30.61
12180.00	32.20	30.59
12190.00	32.16	30.80
12200.00	32.12	30.90
12210.00	32.08	30.61
12220.00	32.04	30.59
12230.00	32.00	30.81
12240.00	31.96	30.53
12250.00	31.92	30.65
12260.00	31.88	30.62
12270.00	31.84	30.76
12280.00	31.80	30.83
12290.00	31.76	30.90
12300.00	31.72	31.24
12310.00	31.68	31.24
12320.00	31.64	31.71
12330.00	31.61	31.56
12335.95	31.61	31.51
12340.00	31.61	31.36
12350.00	31.63	31.01
12360.00	31.67	30.98
12370.00	31.72	30.86
12380.00	31.76	30.74
12390.00	31.81	30.71
12400.00	31.85	30.79

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* 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 07

Discipline: CIVIL ENGINEERING

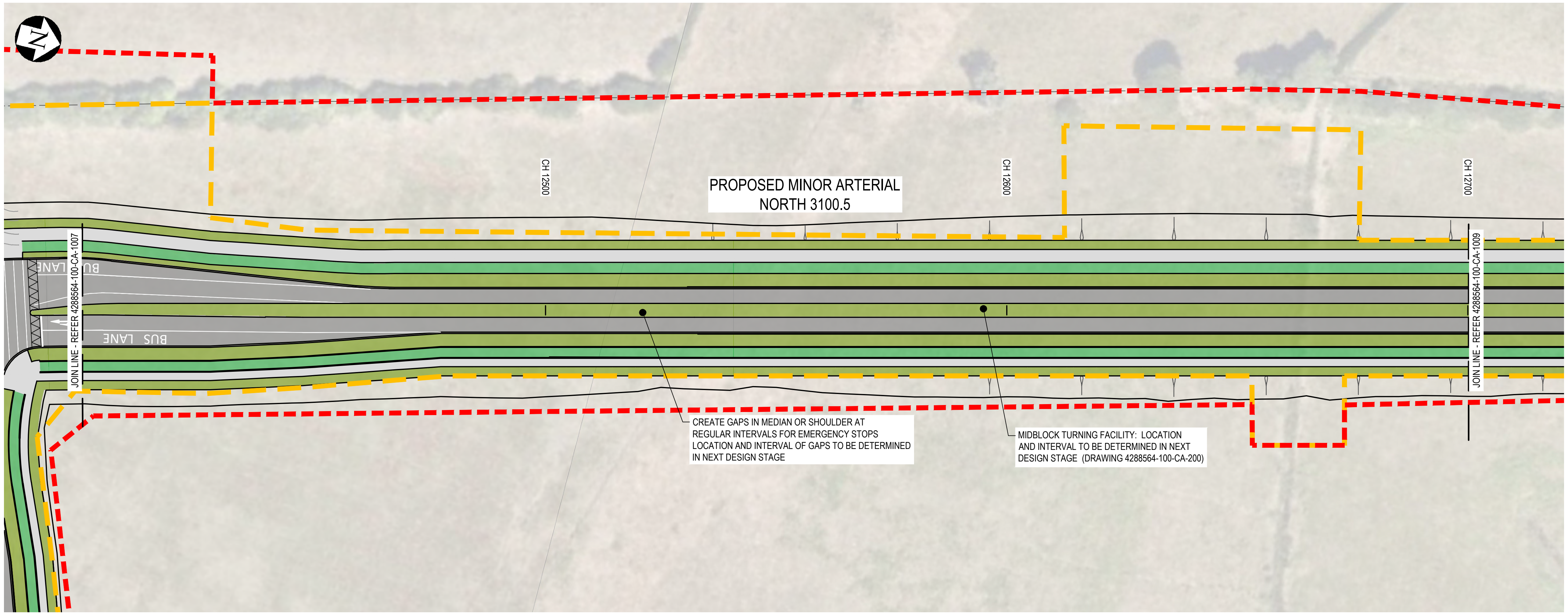
Drawing No. 4288564-100-CA-1007 Rev. H

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Document No. 4288564-100-CA-1007.DWG

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LEGEND

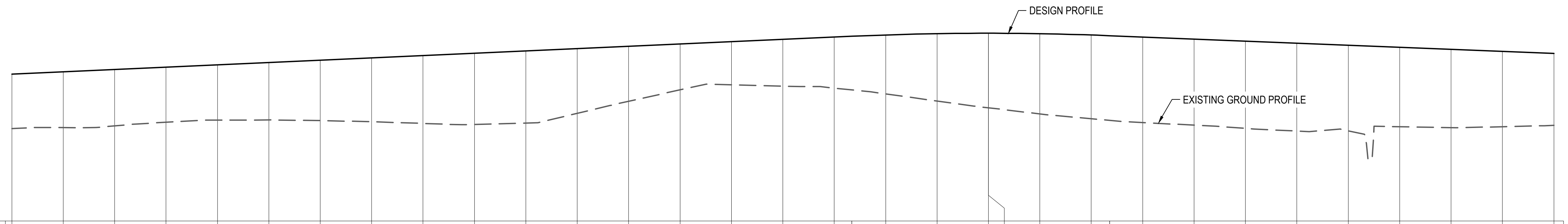
EXISTING

- 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 = 0.45%, L = 206.3; K = 59, L = 50.15; G = -0.4%, L = 427.5

HORIZONTAL ALIGNMENT: L = 541.7, R = 559; L = 536.96

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
12400.00	31.85	30.79
12410.00	31.90	30.81
12420.00	31.94	30.85
12430.00	31.99	30.92
12440.00	32.03	30.96
12450.00	32.08	30.96
12460.00	32.12	30.95
12470.00	32.17	30.93
12480.00	32.21	30.89
12490.00	32.26	30.87
12500.00	32.30	30.90
12510.00	32.35	31.09
12520.00	32.39	31.32
12530.00	32.44	31.55
12540.00	32.48	31.65
12550.00	32.53	31.62
12560.00	32.57	31.58
12570.00	32.61	31.47
12580.00	32.64	31.33
12589.98	32.65	31.20
12590.00	32.65	31.20
12600.00	32.64	31.08
12610.00	32.61	30.99
12620.00	32.57	30.91
12630.00	32.53	30.86
12640.00	32.49	30.80
12650.00	32.45	30.75
12660.00	32.41	30.75
12670.00	32.37	30.83
12680.00	32.33	30.81
12690.00	32.29	30.83
12700.00	32.25	30.86

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
Dsg Verifier			
Dwg Check			Date

* 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 08

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1008 Rev. H

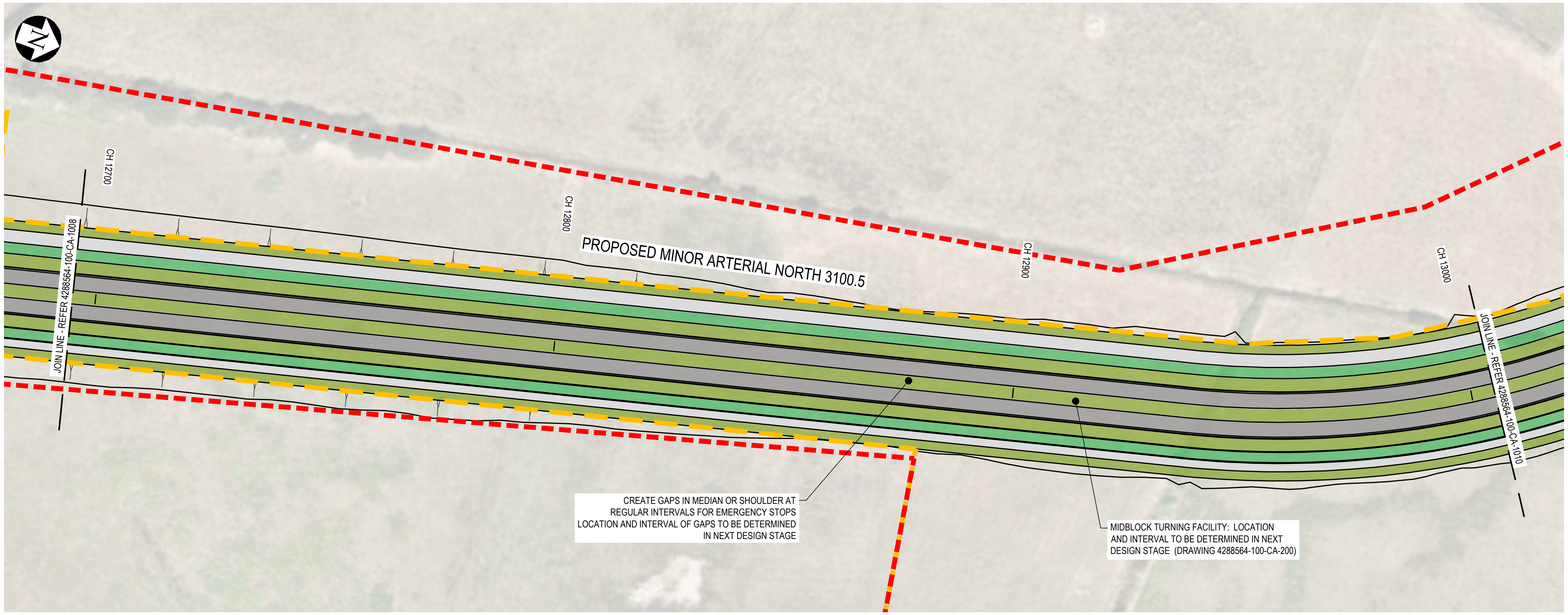
DO NOT SCALE

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Document No. 4288564-100-CA-1008.DWG

Drawing Plotted: 08 Aug 2023 12:45 p.m.



LEGEND

EXISTING

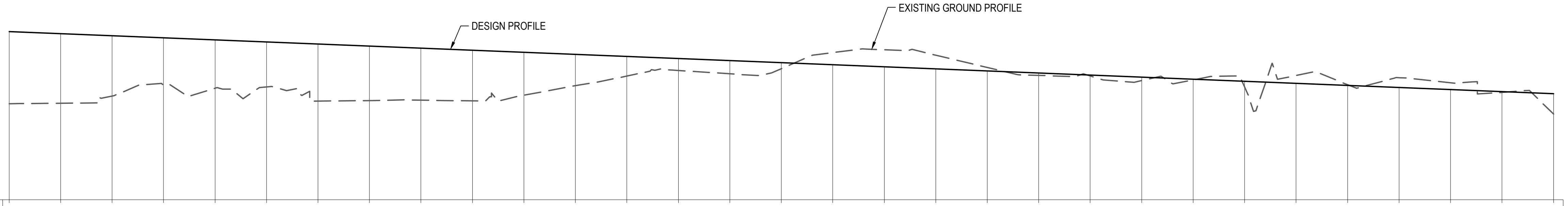
- INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR
- PROPOSED DESIGNATION BOUNDARY
- EXISTING LEGAL BOUNDARY

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 = -0.4% L = 427.5														
HORIZONTAL ALIGNMENT	L = 536.96														
DESIGN LEVELS	32.25	32.21	32.17	32.13	32.09	32.05	32.01	31.97	31.93	31.89	31.85	31.81	31.77	31.73	31.69
EXISTING LEVELS	30.86	30.87	31.00	31.23	31.16	31.18	30.91	30.92	30.93	30.91	31.02	31.21	31.39	31.50	31.44
CHAINAGE	12700.00	12710.00	12720.00	12730.00	12740.00	12750.00	12760.00	12770.00	12780.00	12790.00	12800.00	12810.00	12820.00	12830.00	12840.00

VERTICAL ALIGNMENT																
HORIZONTAL ALIGNMENT										L = 148.56 R = -200						
DESIGN LEVELS	31.65	31.61	31.57	31.53	31.49	31.45	31.41	31.37	31.33	31.29	31.25	31.21	31.17	31.13	31.09	31.05
EXISTING LEVELS	31.54	31.85	31.90	31.80	31.56	31.40	31.39	31.31	31.32	31.18	31.40	31.22	31.36	31.26	31.08	30.66
CHAINAGE	12850.00	12860.00	12870.00	12880.00	12890.00	12900.00	12910.00	12920.00	12930.00	12940.00	12950.00	12960.00	12970.00	12980.00	12990.00	13000.00

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
	Drawn	M. Tam	15.05.20	
Reduced Scale (A3) HALF SHOWN	Dsg Verifier			
	Dwg Check			Date
	* 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 09

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-1009 Rev.: H

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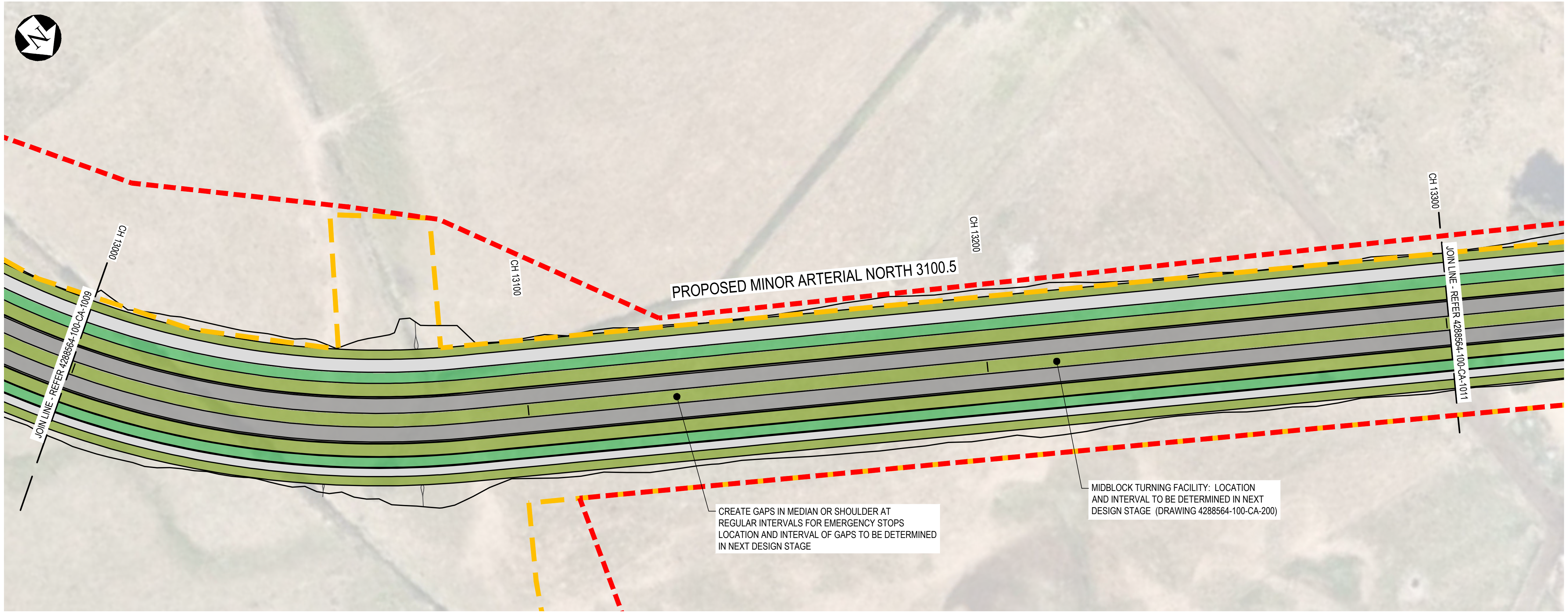
www.beca.com

Document No. 4288564-100-CA-1009.DWG

DO NOT SCALE

IF IN DOUBT ASK.

Drawing Plotted: 08 Aug 2023 12:45 p.m.



LEGEND

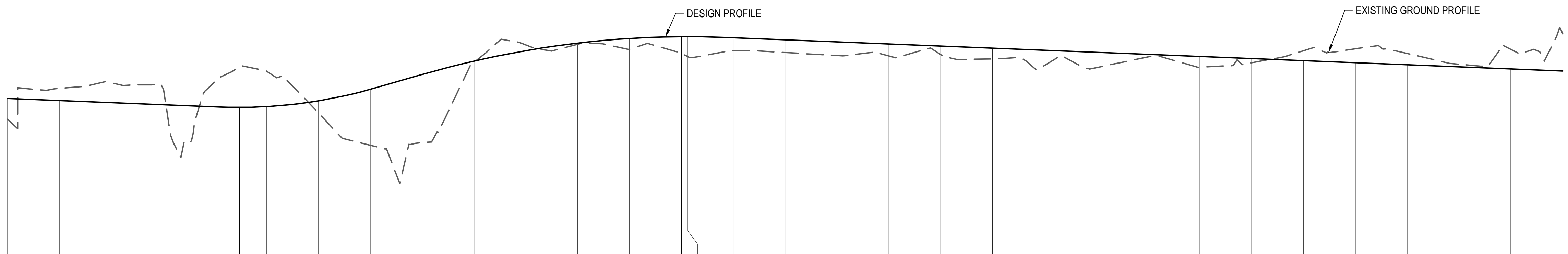
EXISTING

- 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 = 427.5 | K = 9.2, L = 30.13 | G = 2.88%, L = 8.27 | K = 18, L = 58.95 | G = -0.4%, L = 231.29

HORIZONTAL ALIGNMENT: L = 148.56, R = -200 | L = 337.23

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
13000.00	31.05	30.66
13010.00	31.01	31.25
13020.00	30.97	31.35
13030.00	30.93	31.25
13040.00	30.89	31.37
13044.76	30.88	31.65
13050.00	30.90	31.58
13060.00	31.01	30.77
13070.00	31.23	30.15
13080.00	31.51	30.20
13090.00	31.77	31.75
13100.00	31.97	32.08
13110.00	32.12	32.10
13120.00	32.21	32.00
13130.00	32.24	31.92
13131.24	32.24	31.86
13140.00	32.22	31.97
13150.00	32.18	31.94
13160.00	32.14	31.88
13170.00	32.10	31.87
13180.00	32.06	31.90
13190.00	32.02	31.82
13200.00	31.98	31.68
13210.00	31.94	31.65
13220.00	31.90	31.85
13230.00	31.86	31.65
13240.00	31.82	31.74
13250.00	31.78	31.97
13260.00	31.74	32.01
13270.00	31.70	31.92
13280.00	31.66	31.71
13290.00	31.62	32.00
13300.00	31.58	32.30

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* 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 10

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1010 Rev. H

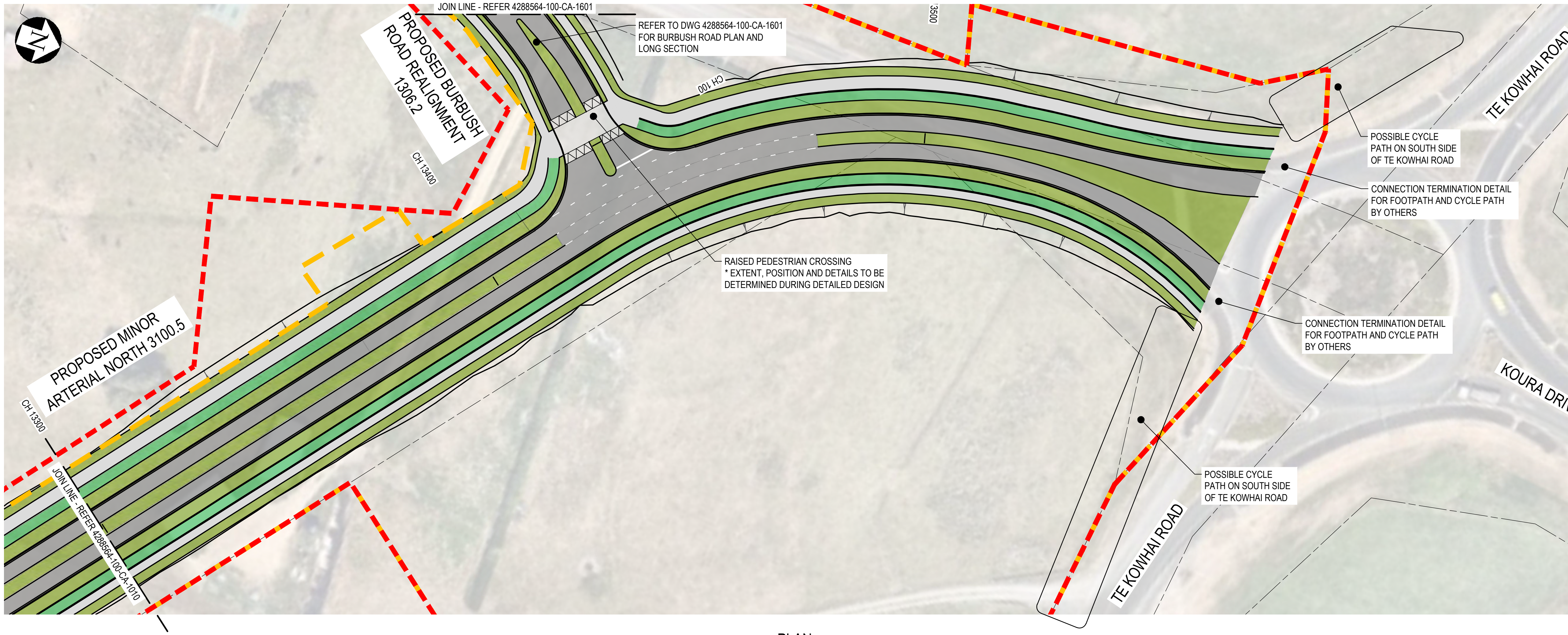
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Document No. 4288564-100-CA-1010.DWG

DO NOT SCALE

IF IN DOUBT ASK.



LEGEND

EXISTING

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

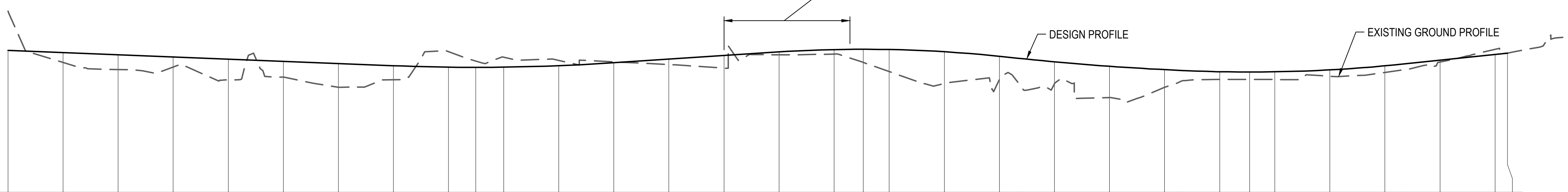
PROPOSED

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

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PLAN

SCALE 1:500



DATUM = 29

VERTICAL ALIGNMENT: G = -0.4%, L = 231.29; K = 38, L = 40.2; G = 0.66%, L = 29.57; K = 24, L = 41.1; G = -1.05%, L = 2.76; K = 49.17, L = 30; G = -0.44%, L = 0.2; K = 26.77, L = 40; G = 1.05%, L = 18.71

HORIZONTAL ALIGNMENT: L = 337.23; L = 112.29, R = 120; L = 36.41

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
13300.00	31.58	32.30
13310.00	31.54	31.36
13320.00	31.50	31.23
13330.00	31.46	31.28
13340.00	31.42	31.04
13350.00	31.38	31.09
13360.00	31.34	30.91
13370.00	31.30	31.05
13380.00	31.28	31.56
13384.93	31.27	31.39
13390.00	31.28	31.46
13400.00	31.30	31.40
13410.00	31.36	31.37
13420.00	31.42	31.32
13430.00	31.49	31.26
13440.00	31.55	31.50
13450.00	31.60	31.51
13455.29	31.60	31.36
13460.00	31.60	31.20
13470.00	31.56	30.97
13480.00	31.47	31.06
13490.00	31.37	30.97
13500.00	31.29	30.72
13510.00	31.23	30.91
13520.00	31.19	31.05
13525.44	31.19	31.05
13530.00	31.19	31.05
13540.00	31.23	31.11
13550.00	31.30	31.18
13560.00	31.40	31.37
13570.00	31.51	31.60
13572.26	31.53	31.53

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

LONGITUDINAL SECTION PROPOSED MINOR ARTERIAL

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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	FOR CONSULTATION	HL	BM	-	19.01.22

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* 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 11

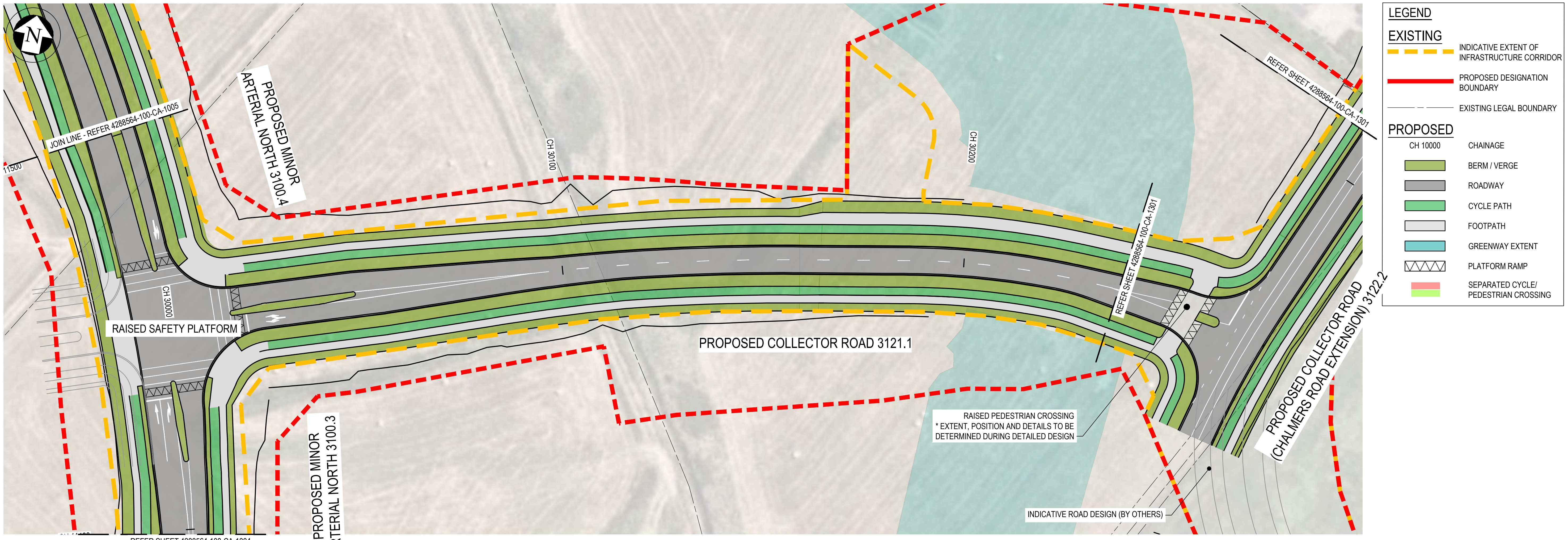
Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1011 Rev. H

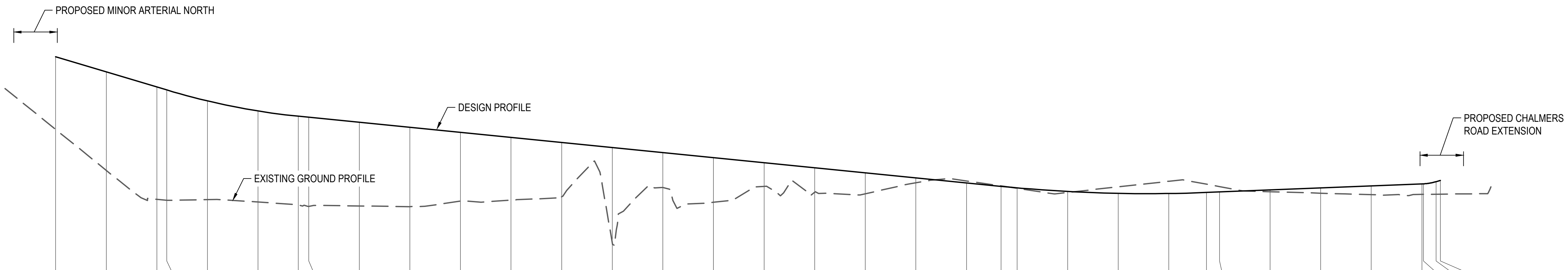
Document No. 4288564-100-CA-1011.DWG

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Drawing Plotted: 08 Aug 2023 12:46 p.m.



PLAN
SCALE 1:500



DATUM = 30.30

VERTICAL ALIGNMENT: G = -3%, L = 21.94; K = 13, L = 26; G = -1%, L = 138.9; K = 29, L = 40.6; G = 0.4%, L = 42.84; K = 0.96, L = 2.5; G = 3%, L = 0.85

HORIZONTAL ALIGNMENT: L = 83.6; L = 73.89, R = 550; L = 28.93; L = 68.5, R = 200; L = 18.72

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
30000.00	34.84	33.40
30010.00	34.54	32.59
30020.00	34.24	32.02
30021.94	34.19	32.00
30030.00	33.97	32.01
30040.00	33.77	31.97
30047.94	33.67	31.91
30050.00	33.65	31.88
30060.00	33.55	31.89
30070.00	33.45	31.87
30080.00	33.35	31.98
30090.00	33.25	32.00
30100.00	33.15	32.07
30110.00	33.05	31.16
30120.00	32.95	32.25
30130.00	32.85	31.96
30140.00	32.75	32.28
30150.00	32.65	32.16
30160.00	32.55	32.13
30170.00	32.45	32.35
30180.00	32.35	32.38
30186.85	32.28	32.28
30190.00	32.25	32.24
30200.00	32.18	32.16
30210.00	32.14	32.27
30220.00	32.14	32.38
30227.45	32.16	32.32
30230.00	32.17	32.27
30240.00	32.21	32.17
30250.00	32.25	32.14
30260.00	32.29	32.11
30270.00	32.33	32.12
30270.29	32.33	32.12
30272.79	32.37	32.12
30273.64	32.39	32.12

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

LONGITUDINAL SECTION PROPOSED COLLECTOR ROAD

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: COLLECTOR ROAD PLAN AND LONG SECTION SHEET 01

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1201 Rev. H

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Document No. 4288564-100-CA-1201.DWG

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Drawing Plotted: 08 Aug 2023 12:46 p.m.

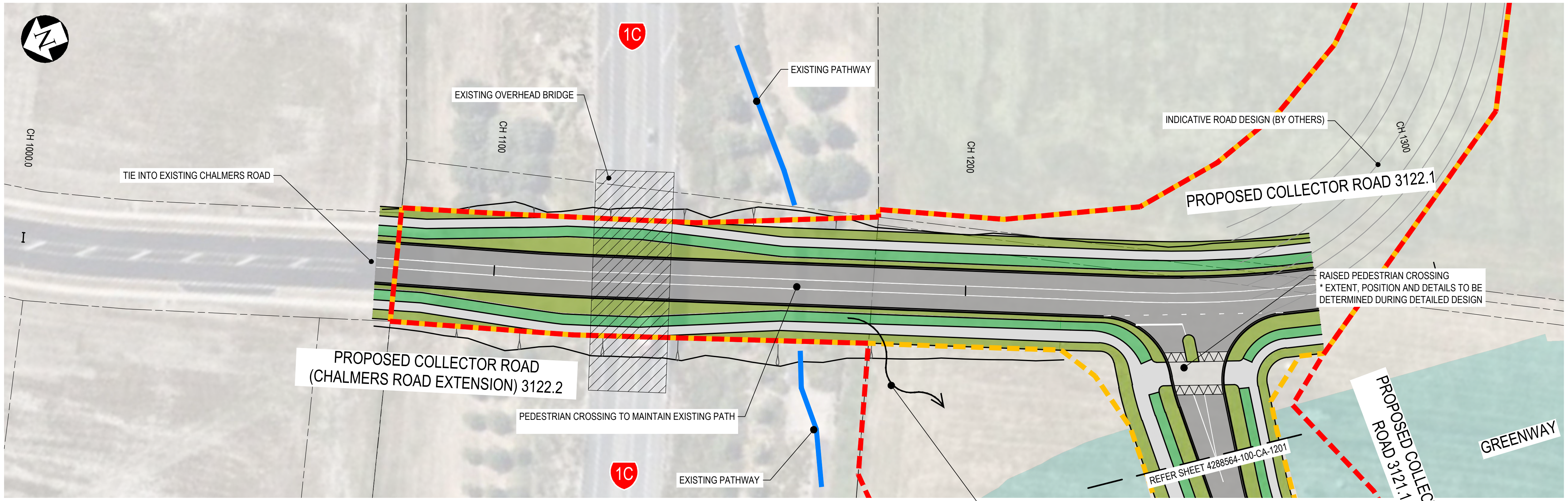
LEGEND

EXISTING

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

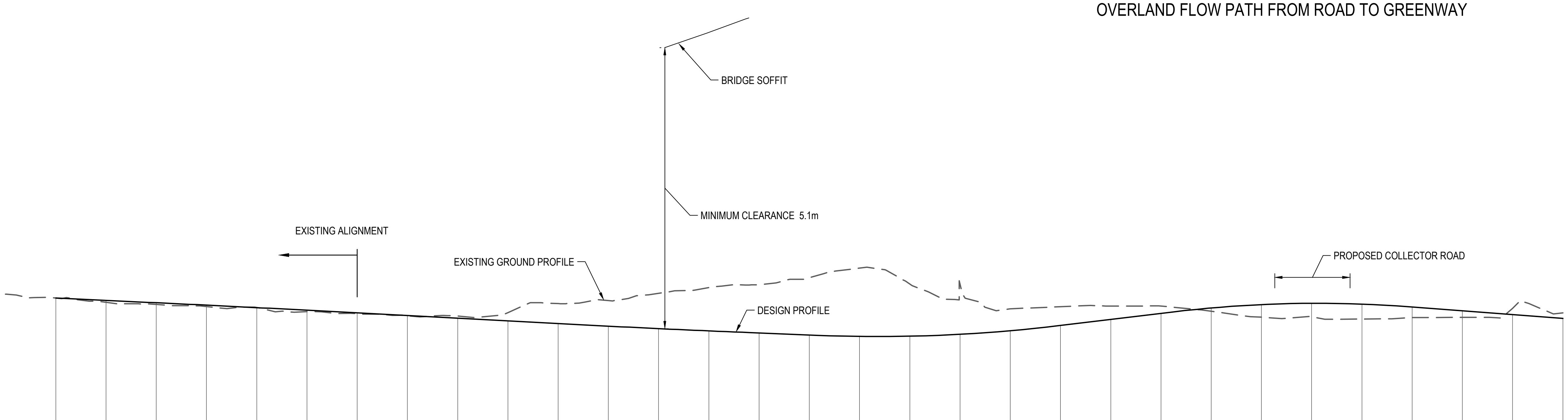
PROPOSED

- 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 | 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: L = 88.81 (EXISTING HORIZONAL PROFILE) | L = 48.47, R = -1500 | L = 98.41 | L = 200, R = -232.49

CHAINAGE	1000.00	1010.00	1020.00	1030.00	1040.00	1050.00	1060.00	1070.00	1080.00	1090.00	1100.00	1110.00	1120.00	1130.00	1140.00	1150.00
DESIGN LEVELS						32.28	32.22	32.17	32.12	32.07	32.01	31.96	31.91	31.87	31.82	31.78
EXISTING LEVELS	32.52	32.44	32.39	32.35	32.33	32.25	32.21	32.17	32.16	32.23	32.41	32.47	32.61	32.73	32.79	32.93

CHAINAGE	1160.00	1170.00	1180.00	1190.00	1200.00	1210.00	1220.00	1230.00	1240.00	1250.00	1260.00	1270.00	1280.00	1290.00	1300.00
DESIGN LEVELS	31.76	31.76	31.80	31.87	31.97	32.09	32.21	32.32	32.39	32.42	32.40	32.34	32.27	32.19	32.11
EXISTING LEVELS	33.12	32.80	32.79	32.31	32.35	32.36	32.36	32.26	32.14	32.15	32.10	32.13	32.14	32.32	32.22

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

LONGITUDINAL SECTION PROPOSED CHALMERS ROAD 02

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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

Client: Hamilton City Council 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

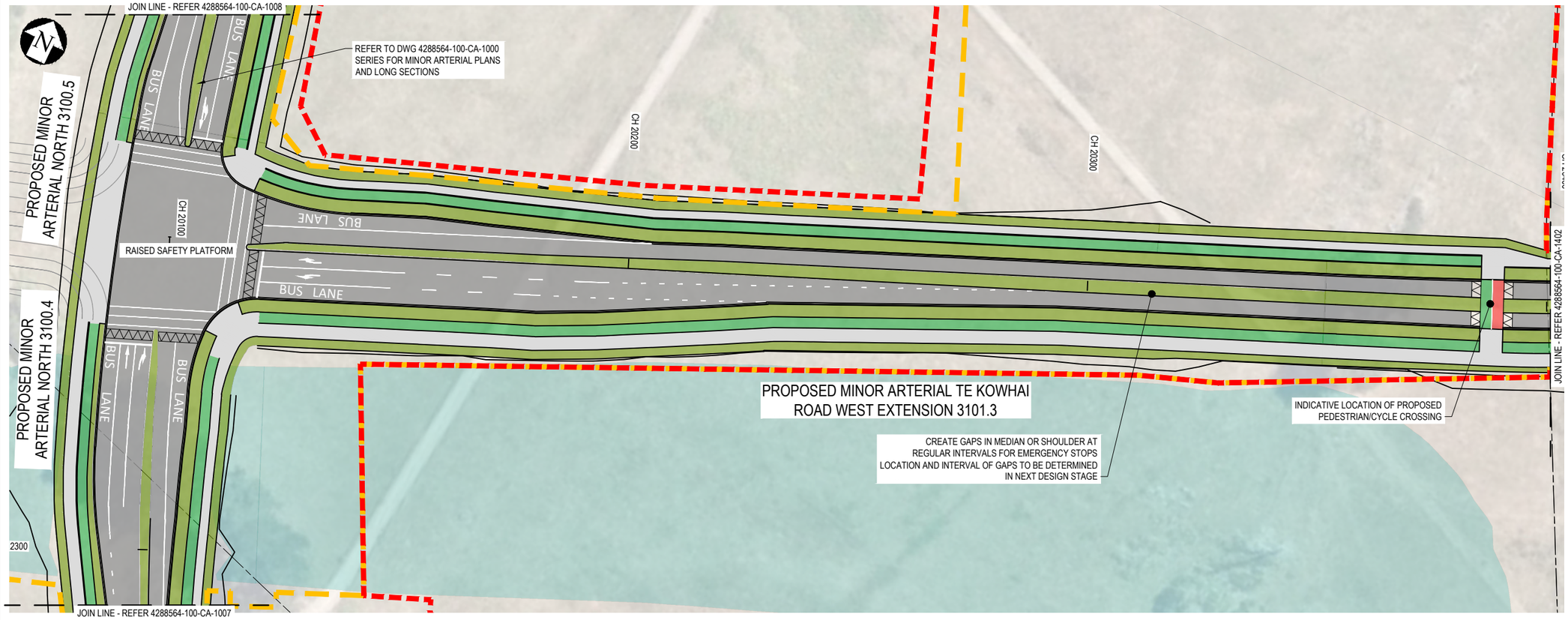
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Document No. 4288564-100-CA-1301.DWG

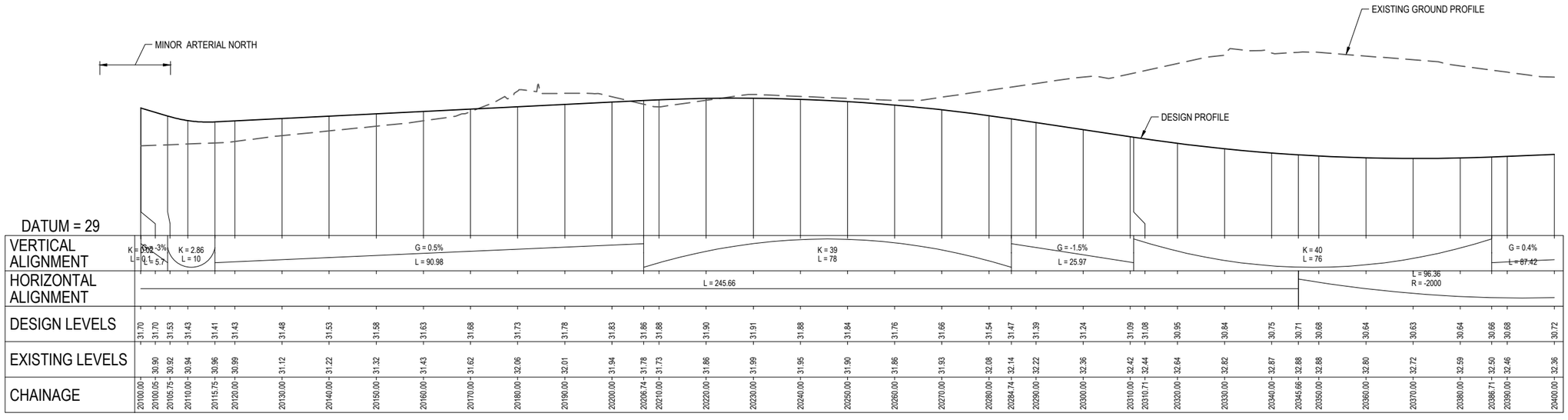


LEGEND

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



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

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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

* 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 01

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-1401 Rev.: H

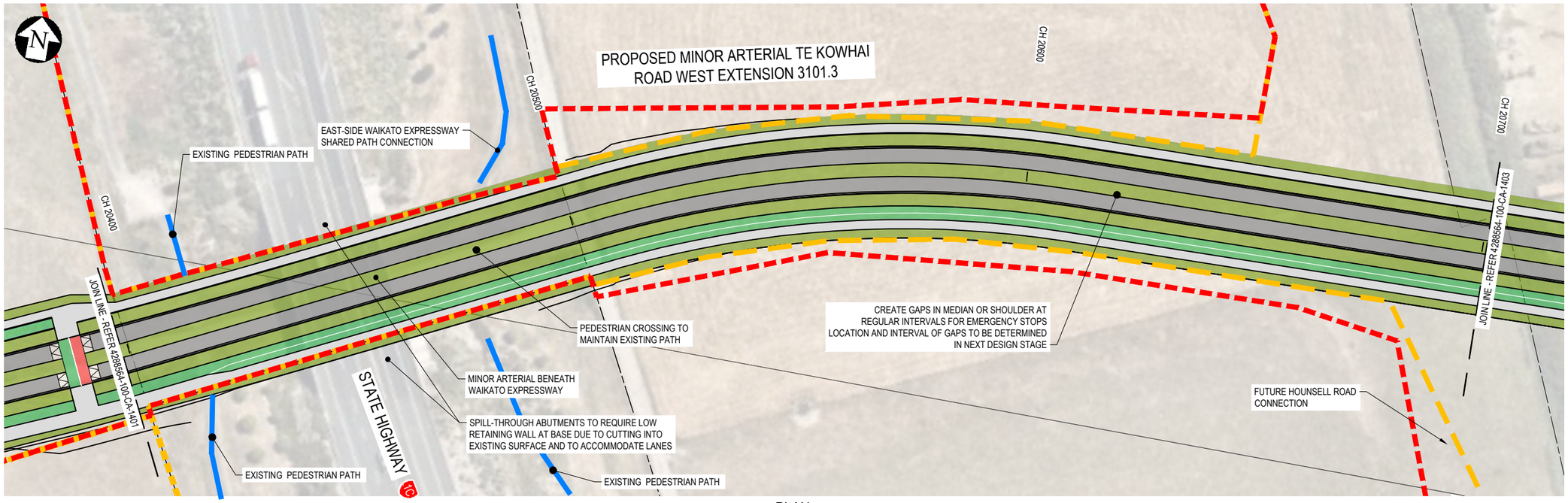
Document No. 4288564-100-CA-1401.DWG

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Drawing Plotted: 08 Aug 2023 12:46 p.m.

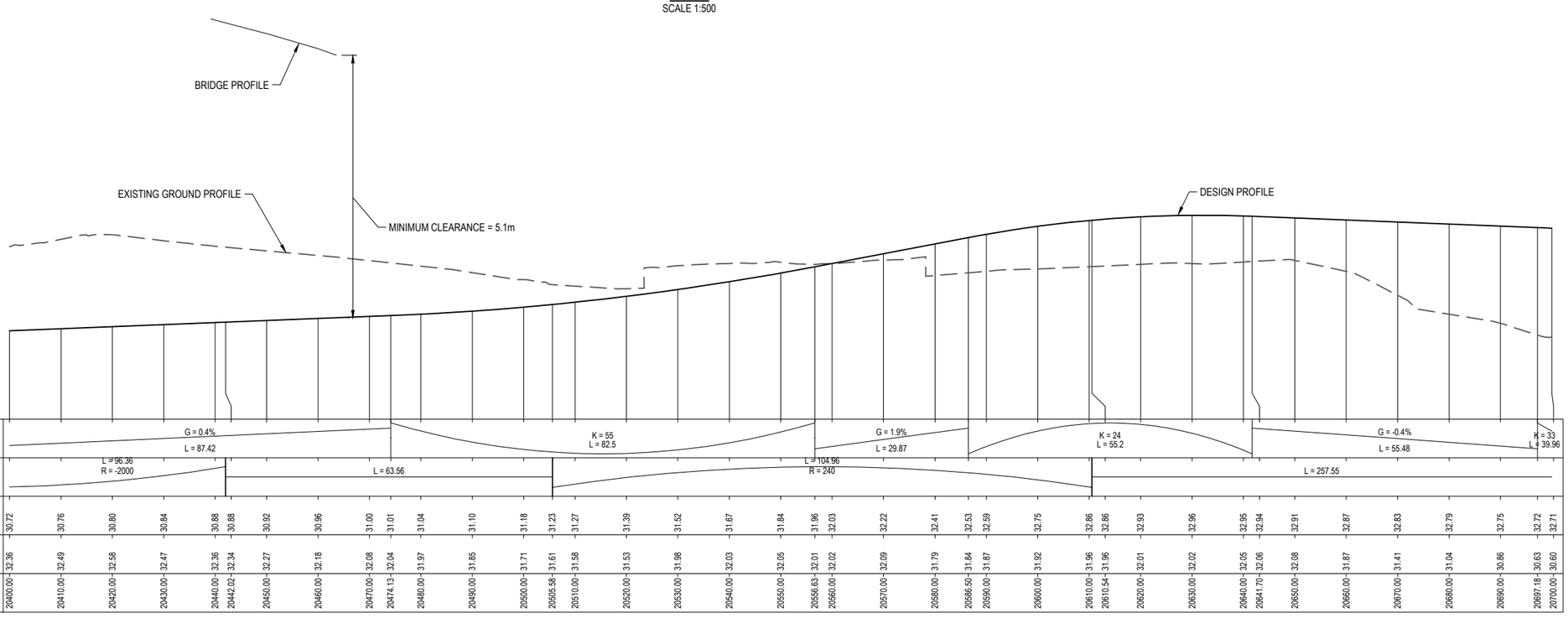


PLAN
SCALE 1:500

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



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

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* 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 02

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-1402 Rev.: H

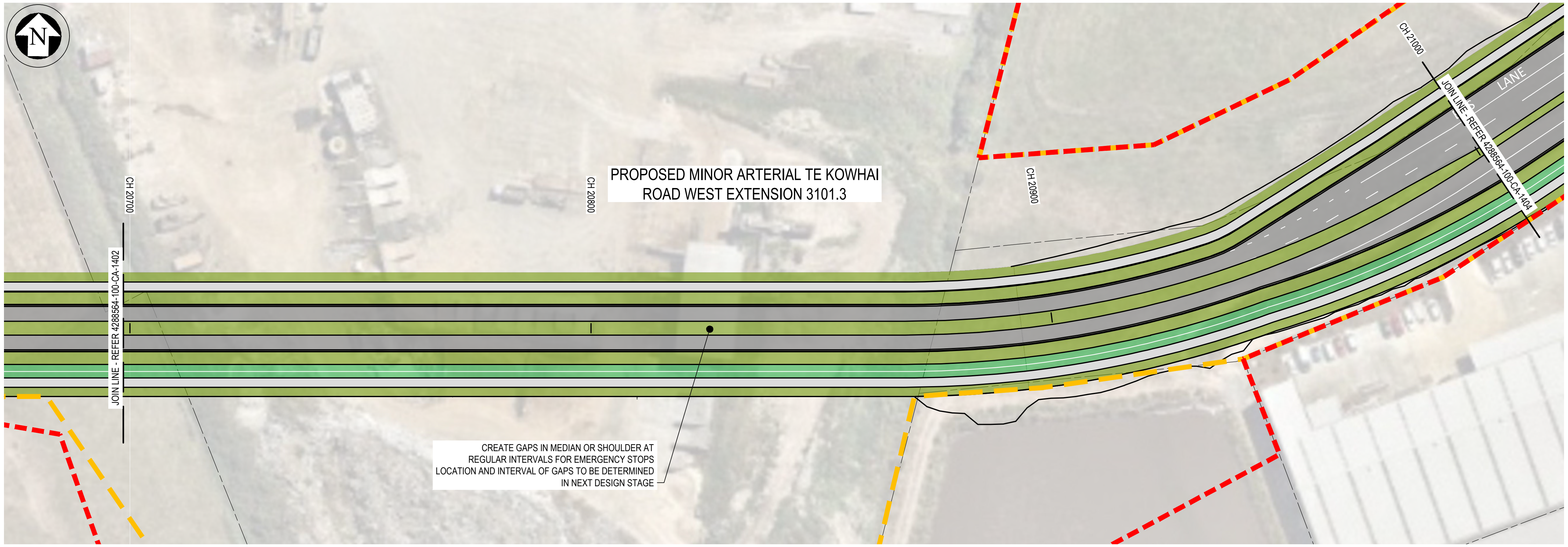
Document No. 4288564-100-CA-1402.DWG

DO NOT SCALE

IF IN DOUBT ASK.

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Drawing Plotted: 08 Aug 2023 12:46 p.m.



LEGEND

EXISTING

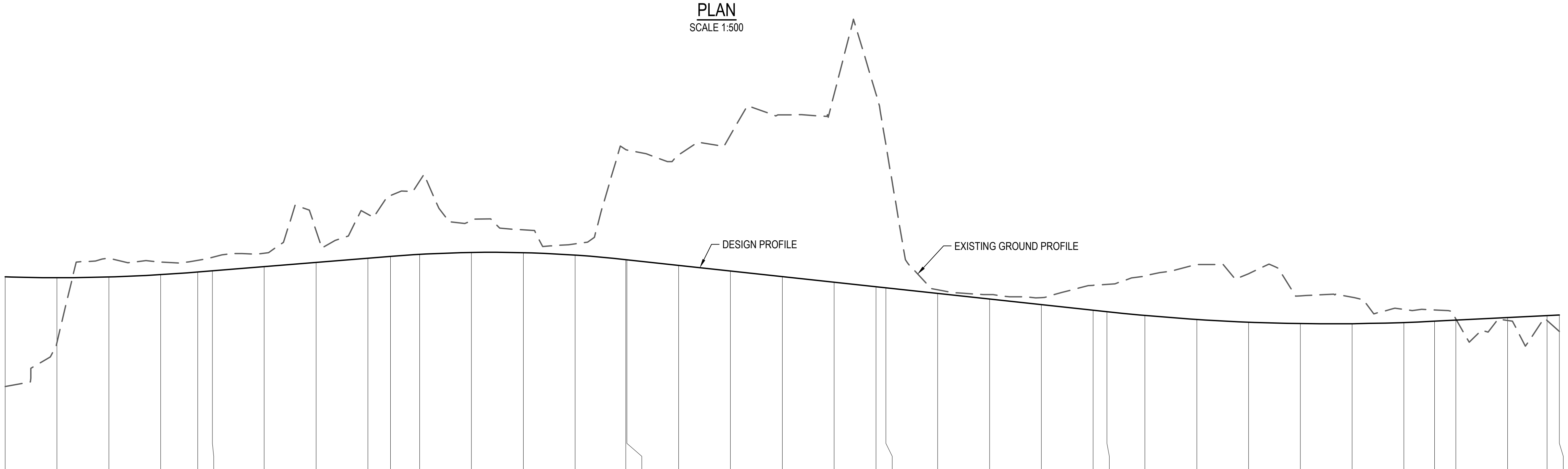
- INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR
- PROPOSED DESIGNATION BOUNDARY
- EXISTING LEGAL BOUNDARY

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: K = 33, L = 39.96 | G = 0.81%, L = 37.22 | K = 24, L = 45.41 | G = -1.08%, L = 92.89 | K = 40, L = 63.26 | G = 0.5%, L = 63.89

HORIZONTAL ALIGNMENT: L = 257.55 | L = 129.52, R = -220 | L = 122.79

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
20700.00	32.71	30.60
20710.00	32.69	31.45
20720.00	32.71	33.07
20730.00	32.75	33.00
20737.14	32.80	33.03
20740.00	32.83	33.09
20750.00	32.91	33.17
20760.00	32.99	33.60
20770.00	33.07	33.92
20774.36	33.10	34.28
20780.00	33.14	34.56
20790.00	33.18	33.80
20800.00	33.18	33.62
20810.00	33.13	33.35
20819.77	33.04	35.17
20820.00	33.04	35.16
20830.00	32.93	35.07
20840.00	32.82	35.45
20850.00	32.72	35.83
20860.00	32.61	36.23
20868.09	32.52	36.24
20870.00	32.50	35.25
20880.00	32.39	32.46
20890.00	32.28	32.37
20900.00	32.18	32.31
20910.00	32.07	32.55
20912.67	32.04	32.56
20920.00	31.97	32.73
20930.00	31.89	32.94
20940.00	31.84	32.77
20950.00	31.81	32.34
20960.00	31.81	32.32
20970.00	31.83	32.08
20975.92	31.85	32.07
20980.00	31.88	31.90
20990.00	31.93	31.87
20997.61	31.96	31.87
21000.00	31.98	31.66

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

.ONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
Dsg Verifier			
Dwg Check			Date

* 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 03

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1403 Rev. H

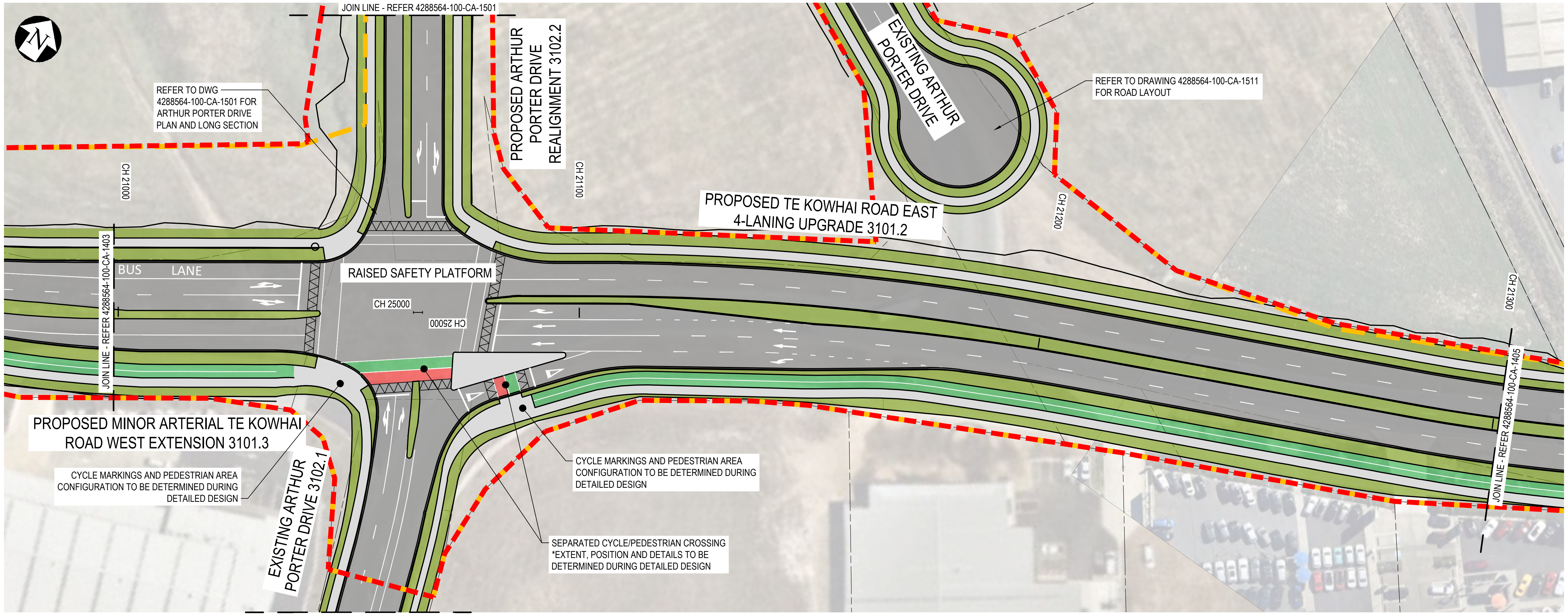
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Document No. 4288564-100-CA-1403.DWG

DO NOT SCALE

IF IN DOUBT ASK.

Drawing Plotted: 08 Aug 2023 12:47 p.m.



LEGEND

EXISTING

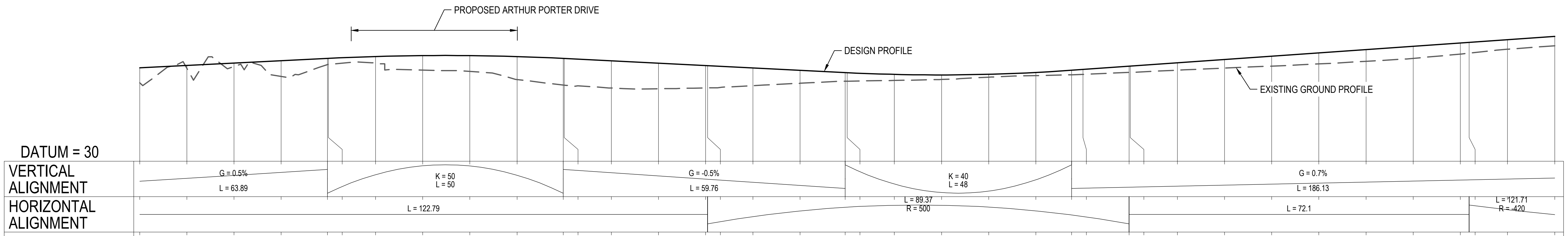
- INDICATIVE EXTENT OF INFRASTRUCTURE CORRIDOR
- PROPOSED DESIGNATION BOUNDARY
- EXISTING LEGAL BOUNDARY

PROPOSED

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

PLAN

SCALE 1:500



CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
21000.00	31.98	31.66
21010.00	32.03	31.96
21020.00	32.08	32.00
21030.00	32.13	31.80
21039.81	32.17	32.05
21040.00	32.18	32.05
21050.00	32.21	32.07
21060.00	32.23	31.93
21070.00	32.23	31.90
21080.00	32.21	31.73
21089.81	32.17	31.61
21090.00	32.17	31.61
21100.00	32.12	31.55
21110.00	32.07	31.53
21120.00	32.02	31.55
21120.41	32.02	31.55
21130.00	31.97	31.60
21140.00	31.92	31.65
21149.57	31.88	31.69
21150.00	31.87	31.69
21160.00	31.84	31.71
21170.00	31.83	31.73
21180.00	31.84	31.78
21190.00	31.88	31.81
21197.57	31.92	31.83
21200.00	31.94	31.84
21209.78	32.01	31.88
21210.00	32.01	31.88
21220.00	32.08	31.93
21230.00	32.15	31.97
21240.00	32.22	32.01
21250.00	32.29	32.06
21260.00	32.36	32.11
21270.00	32.43	32.18
21280.00	32.50	32.27
21281.88	32.51	32.29
21290.00	32.57	32.37
21300.00	32.64	32.44

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

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date
	* 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 04

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1404 Rev. H

DO NOT SCALE

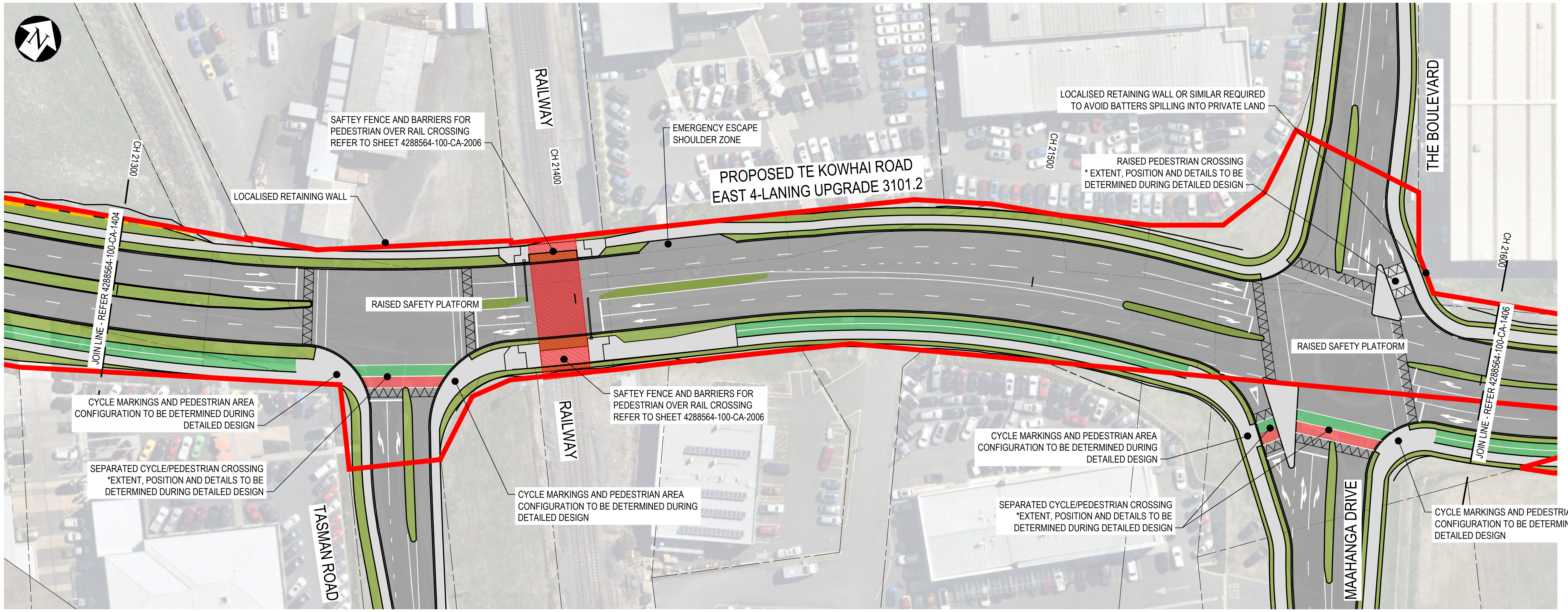
IF IN DOUBT ASK.

www.beca.com

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Document No. 4288564-100-CA-1404.DWG

Drawing Plotted: 08 Aug 2023 12:47 p.m.



LEGEND

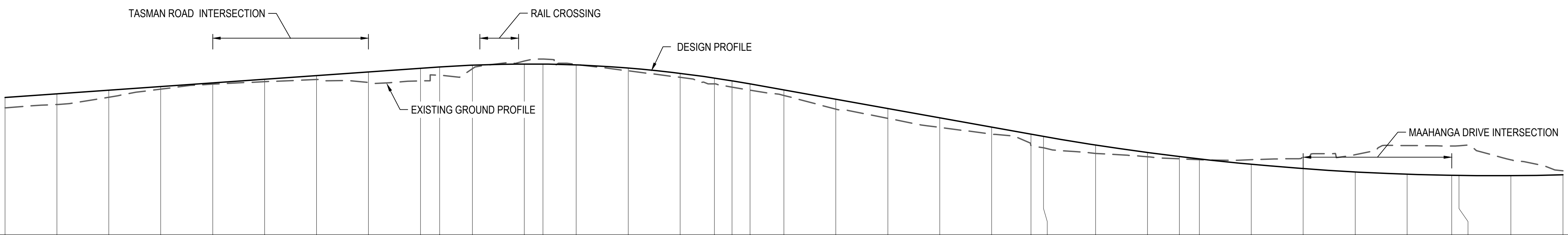
EXISTING

- 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 = 30

VERTICAL ALIGNMENT: G = 0.7%, L = 186.13; K = 24, L = 59.76; G = -1.79%, L = 54.11; K = 50, L = 114.5

HORIZONTAL ALIGNMENT: L = 121.71, R = -420; L = 33.01; L = 89.56, R = 244.3; L = 52.44; L = 85.69, R = -160

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
21300.00	32.64	32.44
21310.00	32.71	32.50
21320.00	32.78	32.64
21330.00	32.85	32.80
21340.00	32.92	32.90
21350.00	32.99	32.94
21360.00	33.06	32.98
21370.00	33.13	32.93
21380.00	33.20	32.96
21383.69	33.23	33.07
21390.00	33.26	33.19
21400.00	33.28	33.34
21403.59	33.28	33.38
21410.00	33.27	33.28
21420.00	33.21	33.15
21430.00	33.10	33.03
21436.60	33.01	32.90
21440.00	32.96	32.84
21443.45	32.90	32.78
21450.00	32.78	32.68
21460.00	32.60	32.42
21470.00	32.43	32.24
21480.00	32.25	32.06
21490.00	32.07	31.93
21497.56	31.93	31.72
21500.00	31.89	31.67
21510.00	31.72	31.56
21520.00	31.58	31.50
21526.16	31.50	31.46
21530.00	31.46	31.44
21540.00	31.35	31.44
21550.00	31.27	31.48
21560.00	31.20	31.54
21570.00	31.16	31.71
21578.60	31.14	31.70
21580.00	31.14	31.71
21590.00	31.13	31.44
21600.00	31.15	31.23

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

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date

* 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 05

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1405 Rev. H

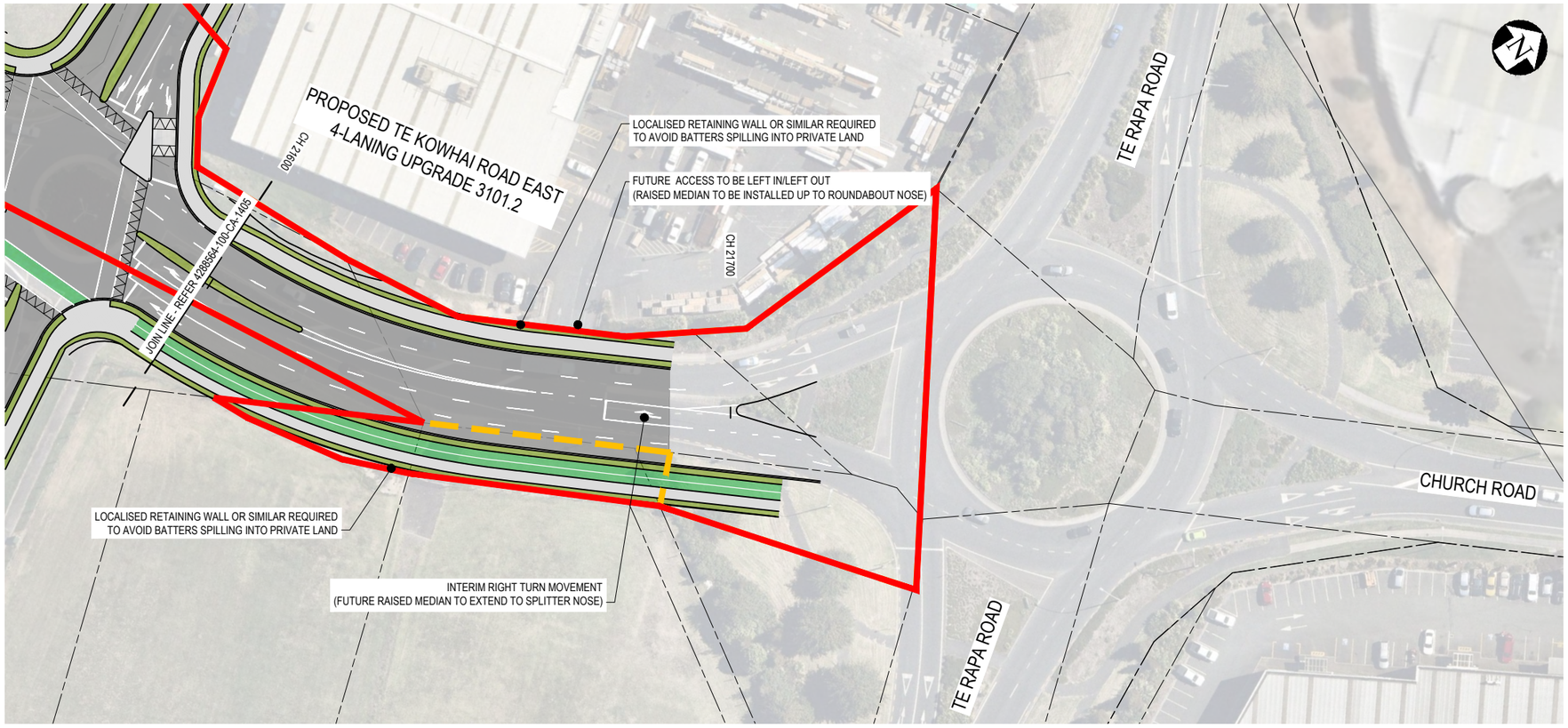
www.beca.com

Document No. 4288564-100-CA-1405.DWG

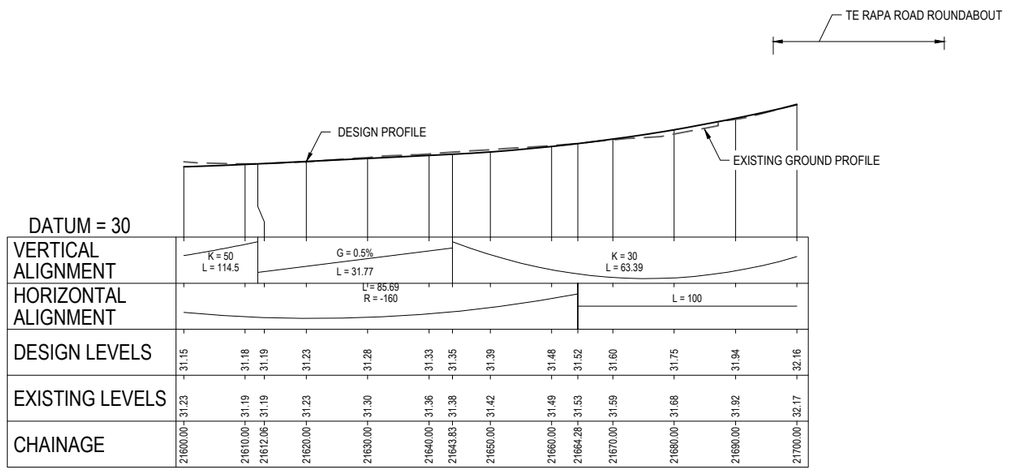
DO NOT SCALE

IF IN DOUBT ASK.

Drawing Plotted: 08 Aug 2023 12:47 p.m.



PLAN
SCALE 1:500



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

LONGITUDINAL SECTION PROPOSED TE KOWHAI ROAD

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

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No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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

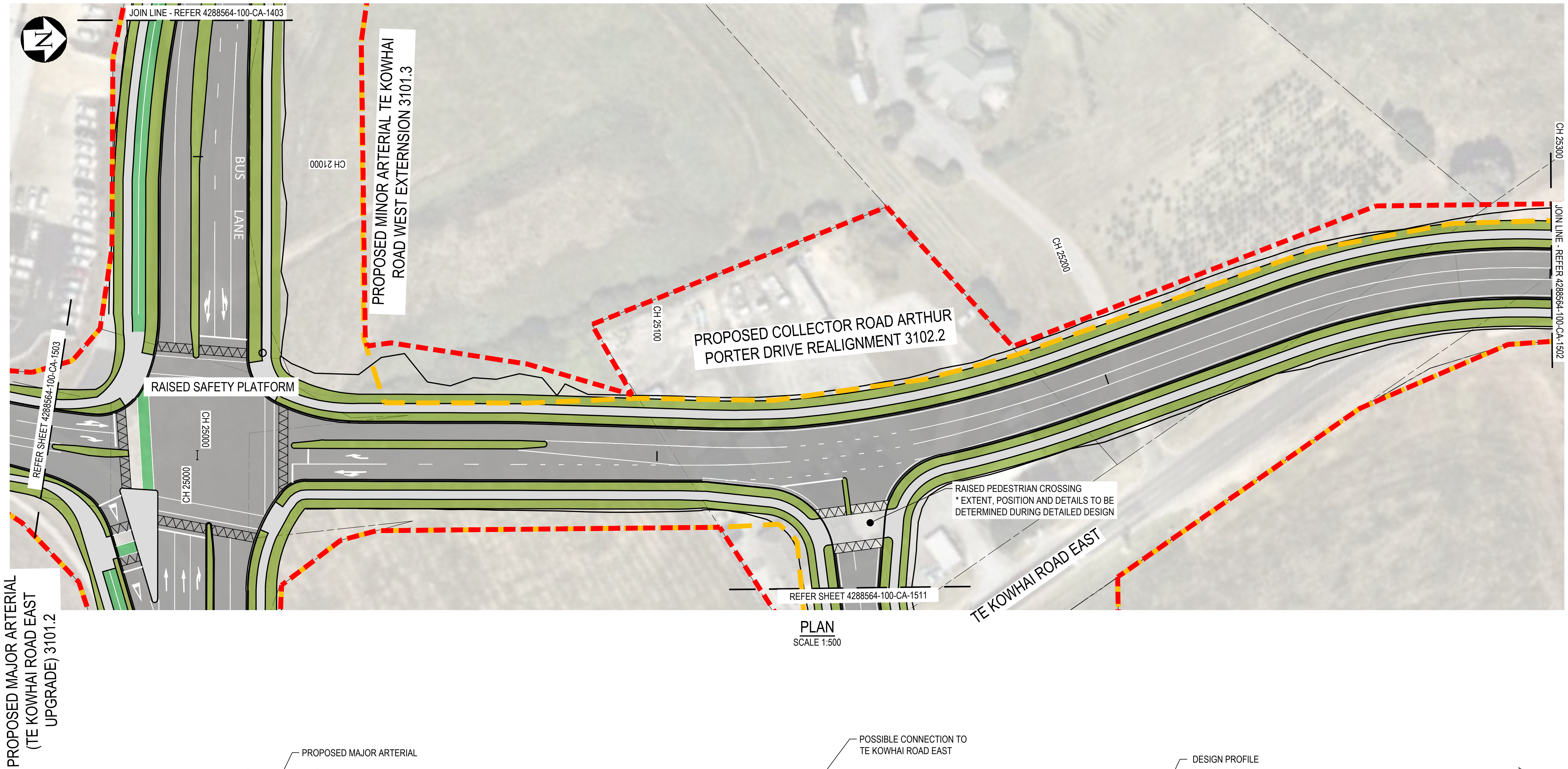
PRELIMINARY
NOT FOR CONSTRUCTION

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

DO NOT SCALE

IF IN DOUBT ASK.

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PLAN
SCALE 1:500

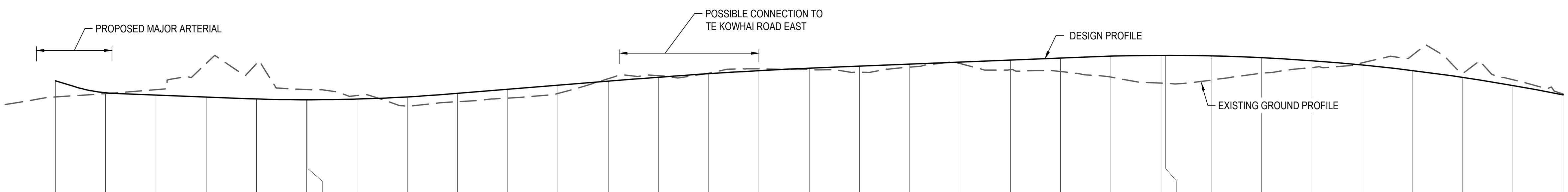
LEGEND

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 = 30

VERTICAL ALIGNMENT: G = -3%, L = 3.79 | K = 3, L = 7.8 | G = -0.4%, L = 24.65 | K = 35, L = 42 | G = 0.8%, L = 36.83 | K = 100, L = 40 | G = 0.4%, L = 49.86 | K = 40, L = 112

HORIZONTAL ALIGNMENT: L = 109.09 | L = 84.5, R = -240 | L = 47.2 | L = 55.88, R = 150 | L = 58.17

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
25000.00	32.24	
25010.00	32.00	31.98
25020.00	31.96	32.06
25030.00	31.92	32.58
25040.00	31.88	32.58
25050.00	31.86	32.06
25050.24	31.86	32.06
25060.00	31.88	31.95
25070.00	31.92	31.74
25080.00	31.99	31.83
25090.00	32.07	31.90
25100.00	32.15	31.99
25110.00	32.23	32.28
25120.00	32.31	32.34
25130.00	32.38	32.39
25140.00	32.44	32.48
25150.00	32.49	32.46
25160.00	32.53	32.41
25170.00	32.57	32.51
25180.00	32.61	32.58
25190.00	32.65	32.46
25200.00	32.69	32.42
25210.00	32.73	32.31
25220.00	32.74	32.19
25220.92	32.74	32.19
25230.00	32.73	32.25
25240.00	32.70	32.39
25250.00	32.64	32.50
25260.00	32.55	32.59
25270.00	32.44	32.74
25280.00	32.31	32.40
25290.00	32.15	32.26
25300.00	31.96	31.98

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

LONGITUDINAL SECTION PROPOSED ARTHUR PORTER DRIVE

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
Dsg Verifier			
Dwg Check			Date

* 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 01

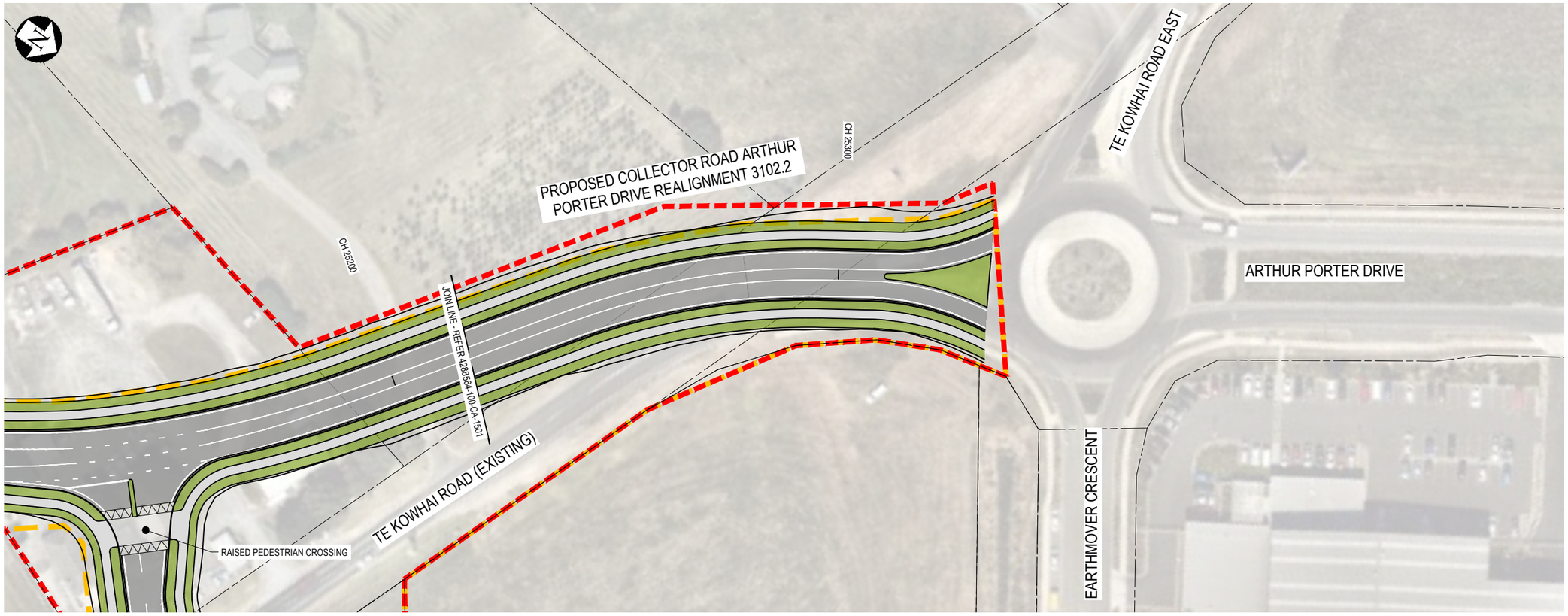
Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1501 Rev. H

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Drawing Plotted: 08 Aug 2023 12:47 p.m.



LEGEND

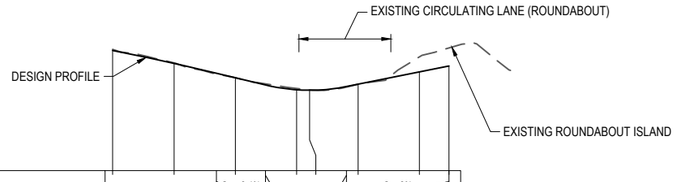
EXISTING

- 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 = 30

VERTICAL ALIGNMENT	K = 40 L = 112		G = -2.4% L = 7.99		K = 3 L = 13.2		G = 2% L = 16.72		
HORIZONTAL ALIGNMENT	L = 58.17								
DESIGN LEVELS	31.96	31.75	31.52	31.32	31.31	31.41	31.61	31.71	
EXISTING LEVELS	31.98	31.76	31.51	31.34	31.32	31.41	31.85	32.00	
CHAINAGE	25300.00	25310.00	25320.00	25330.00	25332.12	25340.00	25350.00	25354.84	

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

LONGITUDINAL SECTION PROPOSED ARTHUR PORTER DRIVE

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
	Dsg Verifier			
	Dwg Check			Date
	* 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

Document No. 4288564-100-CA-1502.DWG

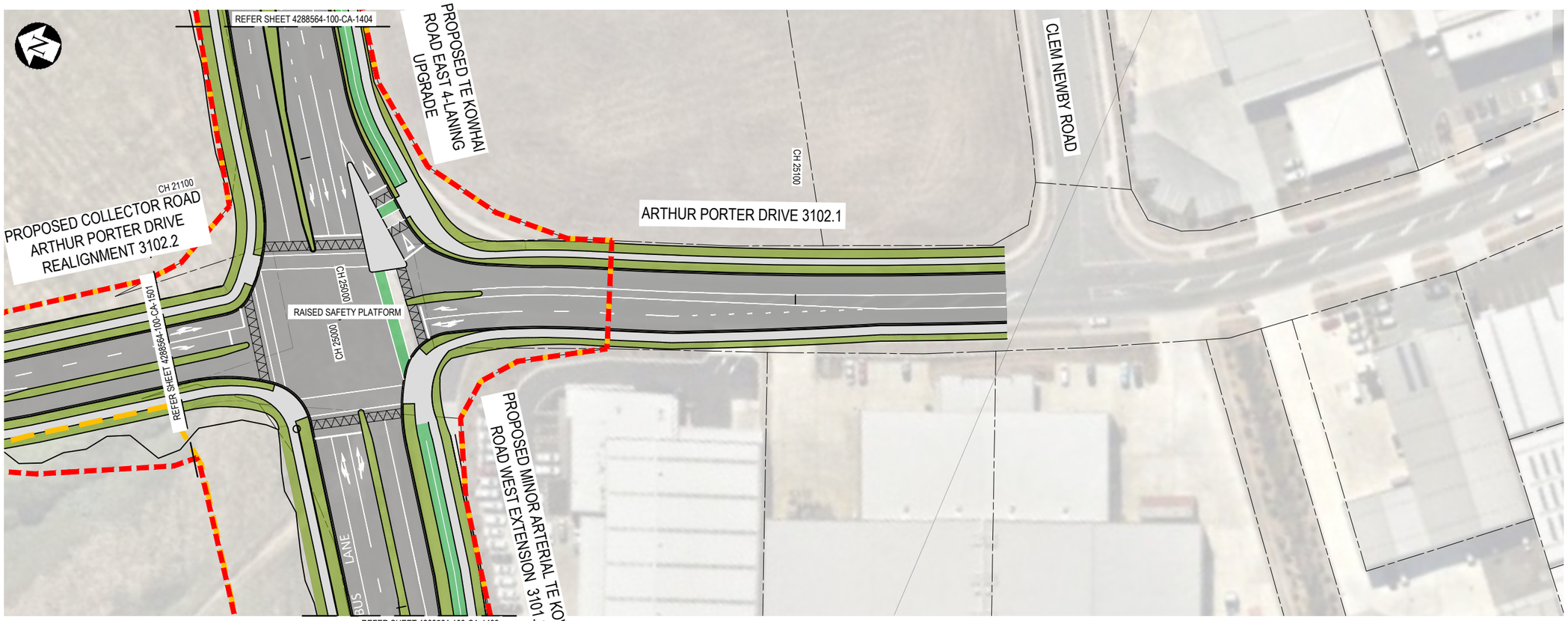
www.beca.com

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IF IN DOUBT ASK.

www.beca.com

Drawing Plotted: 08 Aug 2023 12:48 p.m.

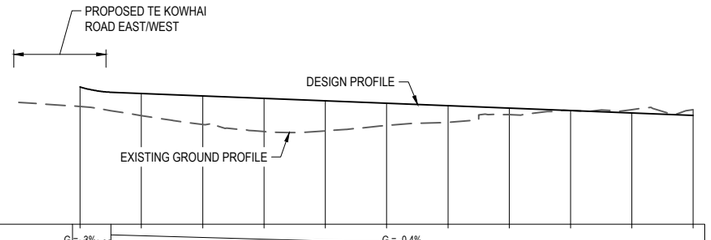


PLAN
SCALE 1:500

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 = 30

VERTICAL ALIGNMENT	G = 3% R = 1.92 L = 0.04	L = 5	G = -0.4% L = 140.84								
HORIZONTAL ALIGNMENT	L = 5	L = 50.22 R = 189.13					L = 90.66 R = -1057.01				
DESIGN LEVELS	32.24	32.13	32.09	32.05	32.01	31.97	31.93	31.89	31.85	31.81	31.77
EXISTING LEVELS	31.92	31.77	31.62	31.51	31.52	31.61	31.66	31.78	31.85	31.87	31.86
CHAINAGE	25000.00	25010.00	25020.00	25030.00	25040.00	25050.00	25060.00	25070.00	25080.00	25090.00	25100.00

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

LONGITUDINAL SECTION PROPOSED ARTHUR PORTER DRIVE SOUTH

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
	Drawn	M. Tam	15.05.20	
Reduced Scale (A3) HALF SHOWN	Dsg Verifier			
	Dwg Check			Date
	* 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 03

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-1503 Rev.: H

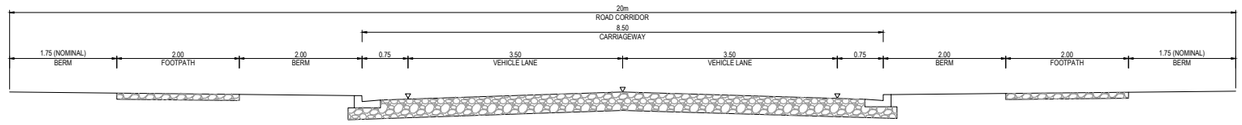
Document No. 4288564-100-CA-1503.DWG

DO NOT SCALE

IF IN DOUBT ASK.

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Drawing Plotted: 08 Aug 2023 12:48 p.m.



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

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DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
Dsg Verifier	-	-	
Dwg Check	-	-	Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council, Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: ARUTHER PORTER DRIVE REALIGNEMENT

Discipline: CIVIL ENGINEERING

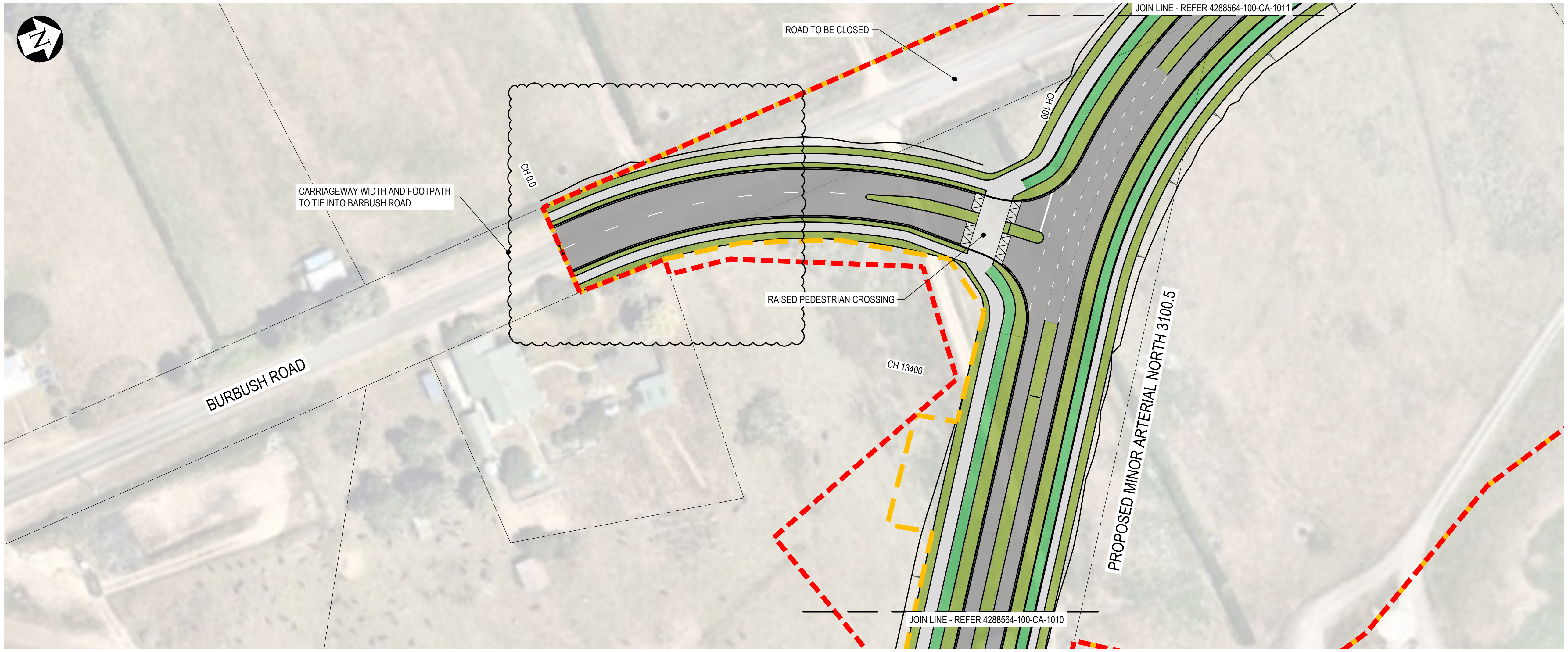
Drawing No.: 4288564-100-CA-1511 Rev. C

DO NOT SCALE

IF IN DOUBT ASK.

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Document No. 4288564-100-CA-1511.DWG



LEGEND

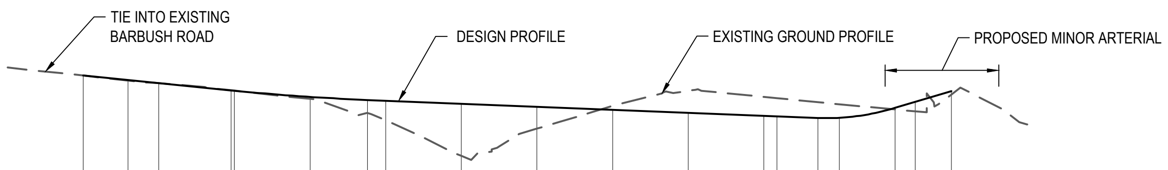
EXISTING

- 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 | K = 30, L = 18.06 | G = -0.4%, L = 59.54 | K = 3, L = 10.2 | G = 3%, L = 7.47

HORIZONTAL ALIGNMENT: L = 5.94 | L = 85.79, R = 120 | L = 23.09

CHAINAGE	DESIGN LEVELS	EXISTING LEVELS
0.00	31.74	31.74
5.94	31.68	31.68
10.00	31.64	31.64
19.54	31.55	31.55
20.00	31.54	31.54
30.00	31.46	31.43
37.60	31.42	31.25
40.00	31.41	31.15
50.00	31.37	30.68
60.00	31.33	31.04
70.00	31.29	31.34
80.00	31.25	31.54
90.00	31.21	31.46
91.73	31.20	31.44
97.15	31.18	31.39
100.00	31.18	31.36
107.35	31.31	31.29
110.00	31.39	31.27
114.82	31.54	31.49

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

LONGITUDINAL SECTION PROPOSED BURBUSH ROAD

DESIGN UNDER DEVELOPMENT FOR CONSULTATION PURPOSES ONLY

PRELIMINARY NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

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	
Dsg Verifier			
Dwg Check			Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

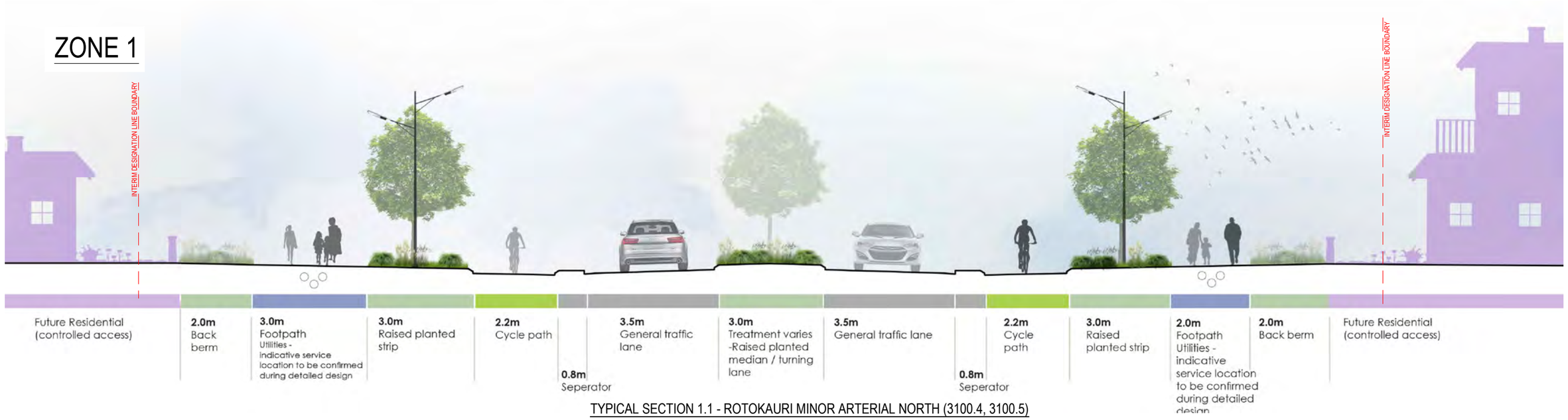
Title: BURBUSH ROAD PLAN AND LONG SECTION SHEET 01

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-1601 Rev. H



TYPICAL SECTION 1.1 - ROTOKAURI MINOR ARTERIAL NORTH (3100.4, 3100.5)
OPTION A, WIDTH 28.4m
SCALE N.T.S



TYPICAL SECTION 1.1 - ROTOKAURI MINOR ARTERIAL NORTH (3100.4, 3100.5)
OPTION B, WIDTH 31.0m
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

No.	Revision	By	Chk	Appd	Date
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

Drawing Originator: Beca

Original Scale (A1)				
AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3)	Drawn	R Simpson	15.05.20	
HALF SHOWN	Dsg Verifier	D Aldridge	16.03.22	
	Dwg Check	N Tunnicliffe	16.03.22	Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: TYPICAL ROAD CROSS SECTIONS SHEET 01

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-2000 Rev.: D

Document No. 4288564-100-CA-2000.DWG

www.beca.com

DO NOT SCALE

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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

No.	Revision	By	Chk	Appd	Date
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 HCC REVIEW	HJC	NT	BS	15.06.20

Drawing Originator: Beca

Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
	Drawn	R Simpson	15.05.20	
Reduced Scale (A3) HALF SHOWN	Dsg Verifier	D Aldridge	16.03.22	
	Dwg Check	N Tunnicliffe	16.03.22	Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council, Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: TYPICAL ROAD CROSS SECTIONS SHEET 02

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-2001 Rev. E

Document No. 4288564-100-CA-2001.DWG

DO NOT SCALE

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INTERIM DESIGNATION LINE BOUNDARY

ZONE 2



rmwater swale replaced tland when adjacent ped	**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

INTERIM DESIGNATION LINE BOUNDARY

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

SCALE N.T.S

INTERIM DESIGNATION LINE BOUNDARY

ZONE 3



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)

INTERIM DESIGNATION LINE BOUNDARY

TYPICAL SECTION 3 - COLLECTOR ROAD (3121.1)
WIDTH 27.4m

SCALE N.T.S

NOTES

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

Image File Source: \\Beca.net\projects\428\4288564\UDLA\Short List Options\Sections in PSD\Option 3a-5\jpeg\Option 3a-5_Section 4_Yellow Zone_Collector Road-RevA.jpg
Revision A

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
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No.	Revision	By	Chk	Appd	Date
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 HCC REVIEW	HJC	NT	BS	15.06.20

Drawing Originator: Beca

Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20	Approved For Construction*
Reduced Scale (A3) HALF SHOWN	Drawn	R Simpson	15.05.20	
	Dsg Verifier	D Aldridge	16.03.22	
	Dwg Check	N Tunnicliffe	16.03.22	Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council, Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: TYPICAL ROAD CROSS SECTIONS SHEET 03

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-2002 Rev. E

Document No. 4288564-100-CA-2002.DWG

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ZONE 4

INTERIM DESIGNATION LINE BOUNDARY



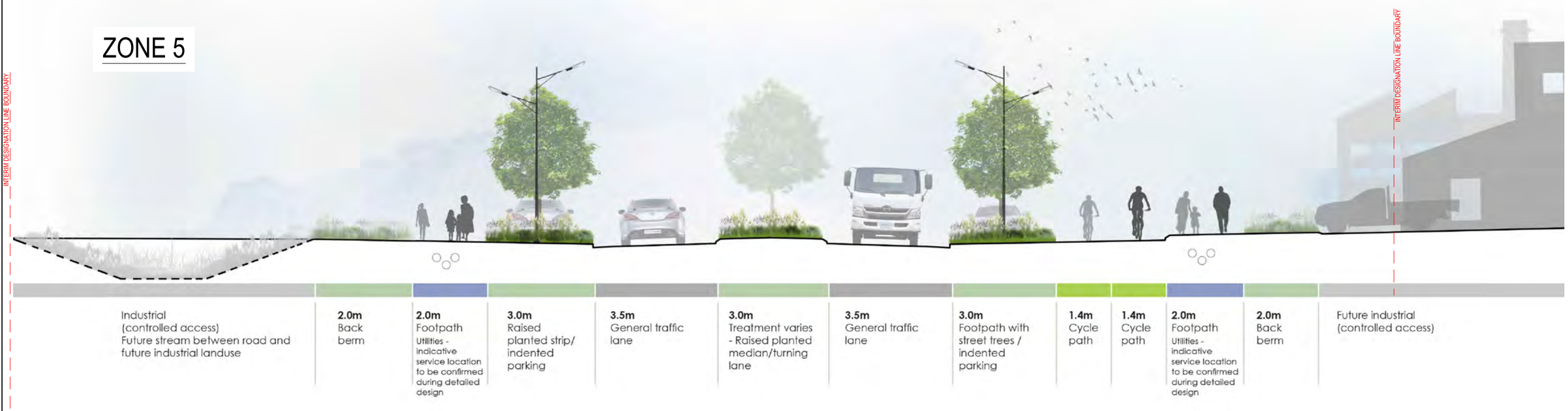
INTERIM DESIGNATION LINE BOUNDARY

TYPICAL SECTION 4 - COLLECTOR ROAD, CHALMERS ROAD EXTENSION (3122.2)
WIDTH 23.8m

SCALE N.T.S

ZONE 5

INTERIM DESIGNATION LINE BOUNDARY



INTERIM DESIGNATION LINE BOUNDARY

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

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

Drawing Originator: Beca

Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20
	Drawn	A Webb	12.08.20
Reduced Scale (A3) HALF SHOWN	Dsg Verifier	D Aldridge	16.03.22
	Dwg Check	N Tunnicliffe	16.03.22

Approved For Construction* Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: TYPICAL ROAD CROSS SECTIONS SHEET 04

Discipline: CIVIL ENGINEERING

Drawing No.: 4288564-100-CA-2003 Rev.: B

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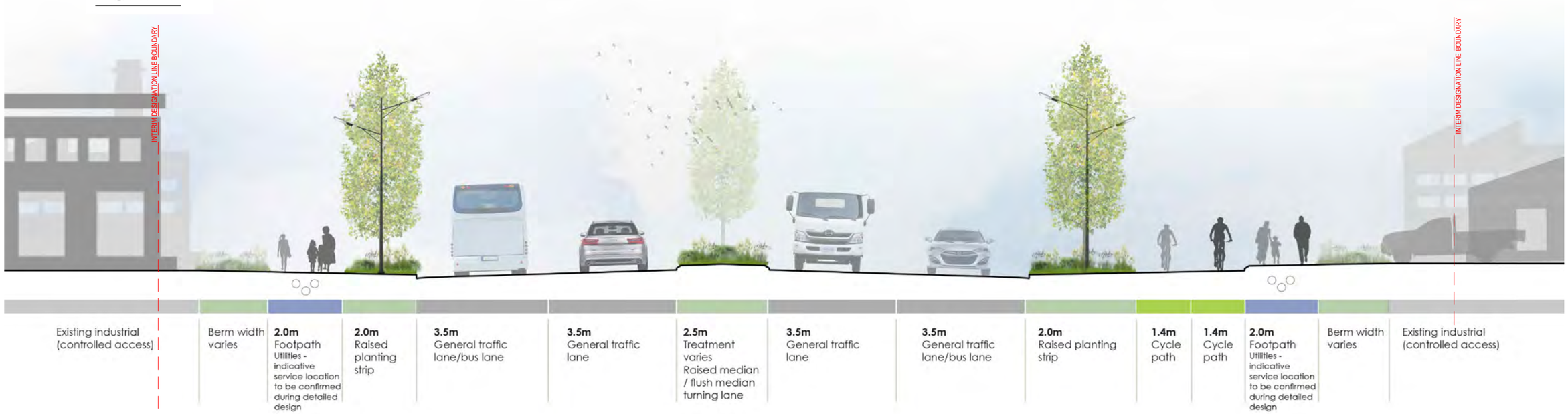
www.beca.com

ZONE 6



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

ZONE 7



TYPICAL SECTION 7 - MAJOR ARTERIAL, TE KOWHAI ROAD EAST UPGRADE (3101.1, 3101.2)
WIDTH 31.1m
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

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

Drawing Originator: Beca

Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20
	Drawn	A Webb	12.08.20
Reduced Scale (A3) HALF SHOWN	Dsg Verifier	D Aldridge	16.03.22
	Dwg Check	N Tunnicliffe	16.03.22

Approved For Construction* Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: TYPICAL ROAD CROSS SECTIONS SHEET 05

Discipline: CIVIL ENGINEERING

Drawing No. 4288564-100-CA-2004 Rev. B

DO NOT SCALE

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ZONE 8



Future residential (controlled access)	1.0m Flexible back berm (furniture, services or	2.5m Footpath Utilities - indicative service location to be confirmed	1.8m Cycle path (One way)	2.5m Raised planted strip / indented parking	3.5m General traffic lane - bus stops in lane	3.5m General traffic lane - bus stops in lane	2.5m Raised planted strip	1.8m Cycle path (One way)	5.7m 1.7m frontage 3.0m pedestrian zone 1.0m furniture and kerb zone	Future commercial centre (controlled access)

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

DESIGN UNDER DEVELOPMENT
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PRELIMINARY
NOT FOR CONSTRUCTION

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: Beca

Original Scale (A1) AS SHOWN	Design	M. Tam	10.03.20
	Drawn	A Webb	12.08.20
Reduced Scale (A3) HALF SHOWN	Dsg Verifier	D Aldridge	16.03.22
	Dwg Check	N Tunnicliffe	16.03.22

Approved For Construction* Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council 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

Document No. 4288564-100-CA-2005.DWG

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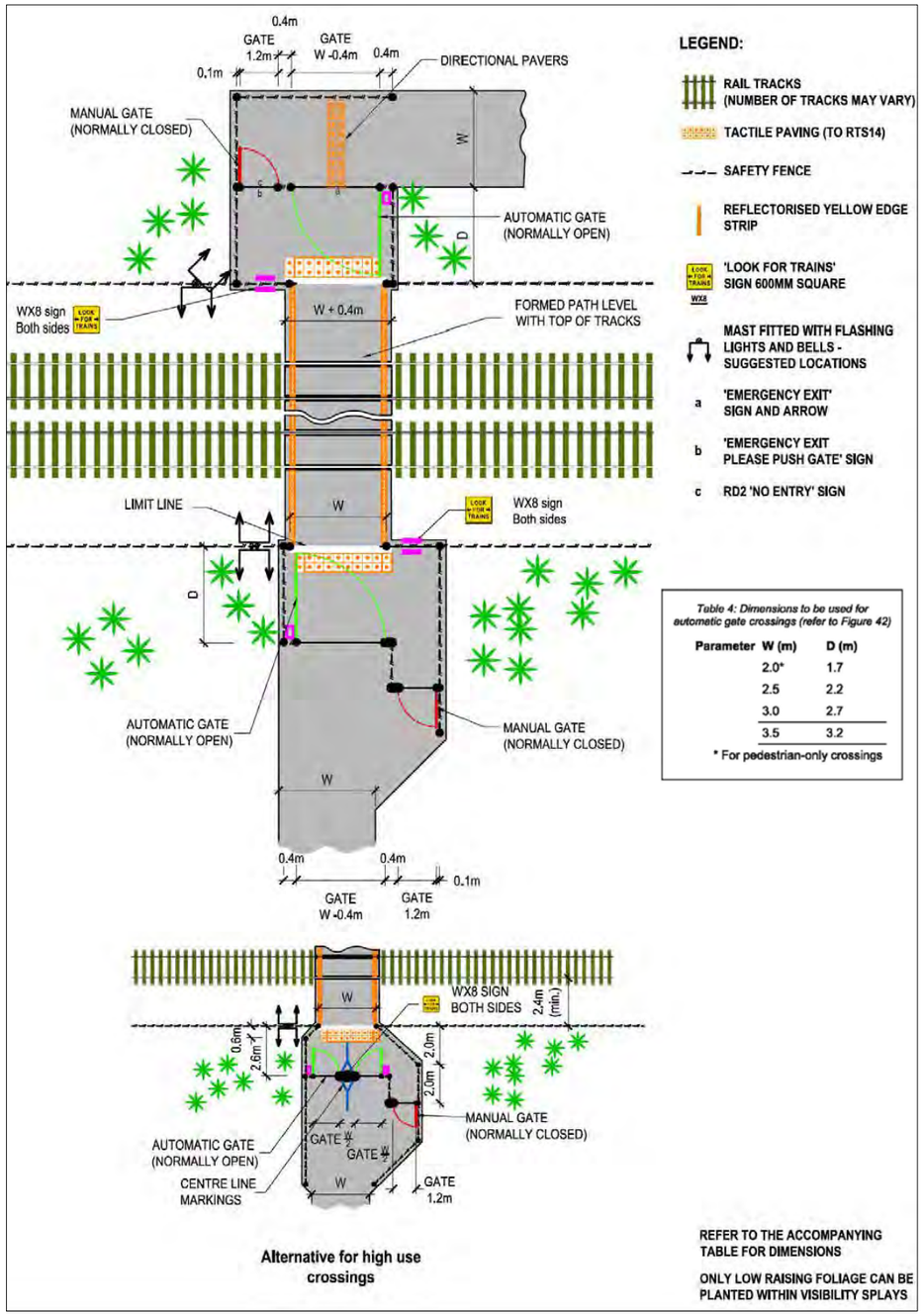
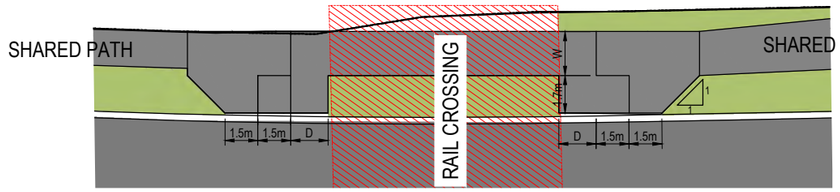


Table 4: Dimensions to be used for automatic gate crossings (refer to Figure 42)

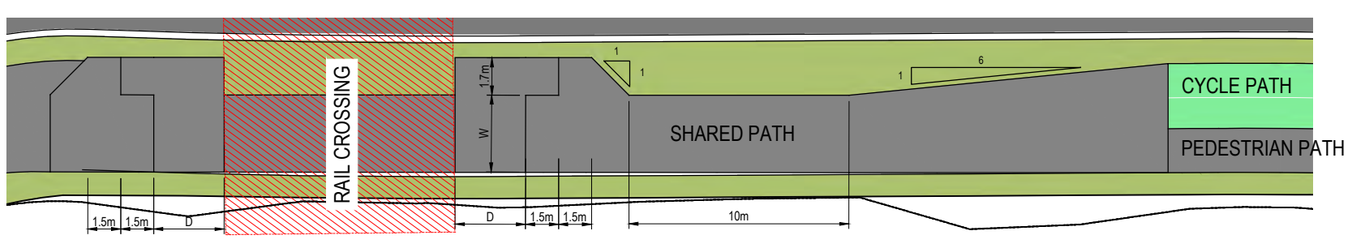
Parameter W (m)	D (m)
2.0*	1.7
2.5	2.2
3.0	2.7
3.5	3.2

* For pedestrian-only crossings

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



DETAIL 1: RAIL CROSSING (SHARED PATH)
NTS



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

DESIGN UNDER DEVELOPMENT
FOR CONSULTATION PURPOSES ONLY

PRELIMINARY
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
Reduced Scale (A3) NTS

Design	J. Currie	10.05.23	Approved For Construction*
Drawn	J. Currie	10.05.23	
Dsg Verifier			
Dwg Check			Date

* Refer to Revision 1 for Original Signature

Client: Hamilton City Council, Te kaunihera o Kirikiriroa

Project: ROTOKAURI ARTERIALS DESIGNATION

Title: RAIL CROSSING DETAIL

Discipline: CIVIL ENGINEERING

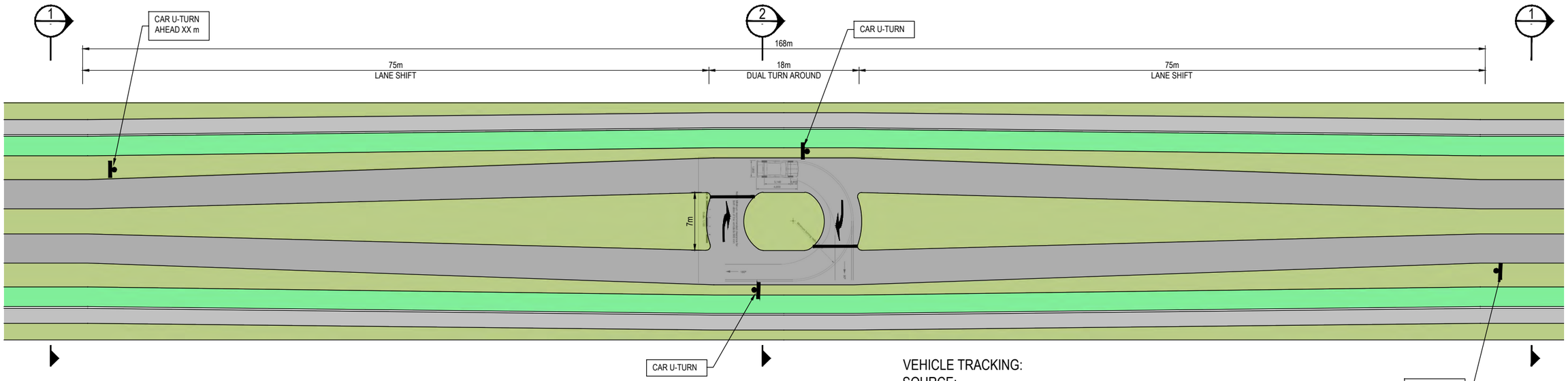
Drawing No. 4288564-100-CA-2006 Rev. A

DO NOT SCALE

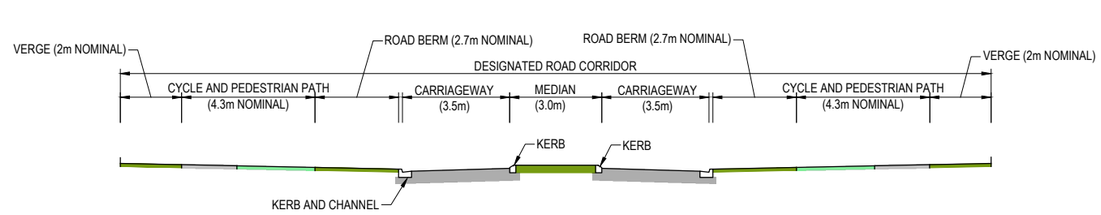
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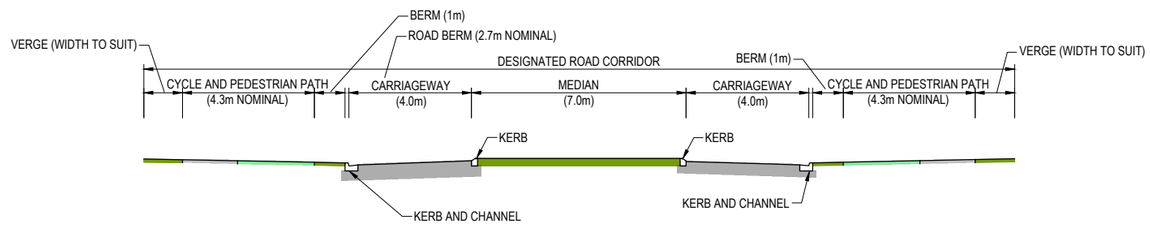
Document No. 4288564-100-CA-2006.DWG



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

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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
Reduced Scale (A3) NTS

Design	B Mercer	02.06.23	Approved For Construction*
Drawn	J. Currie	02.06.23	
Dsg Verifier			
Dwg Check			Date

* Refer to Revision 1 for Original Signature

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

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