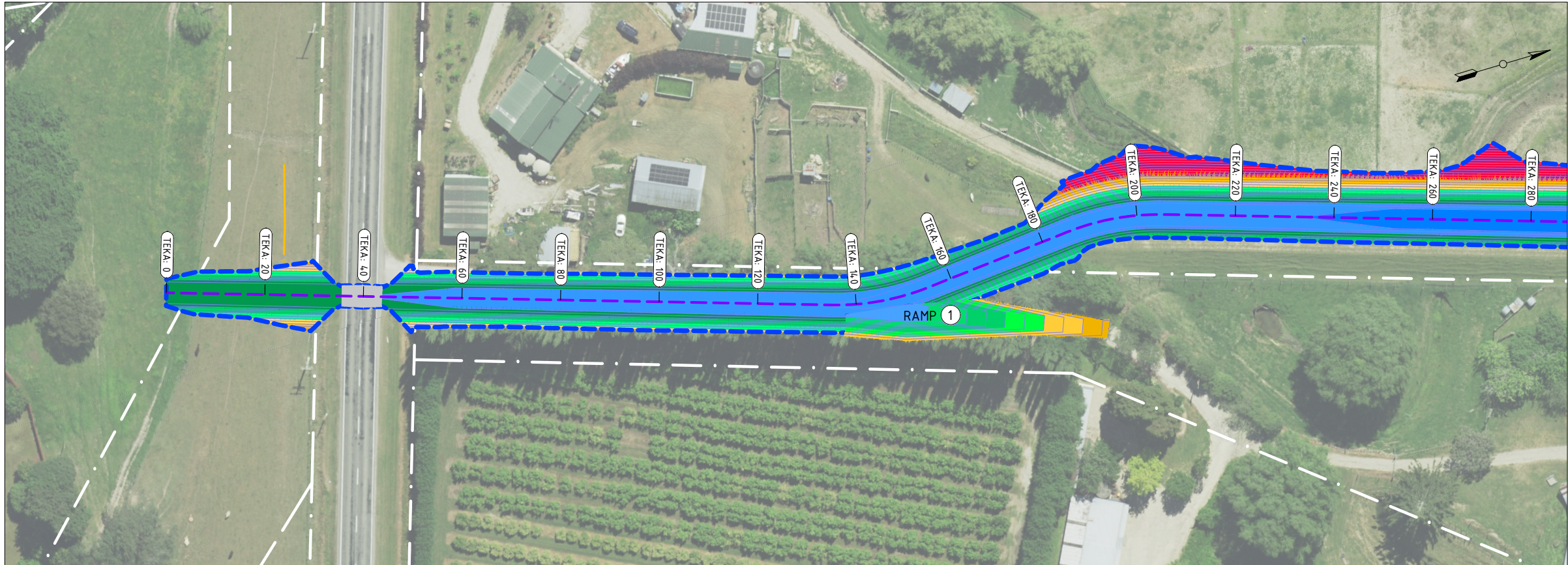
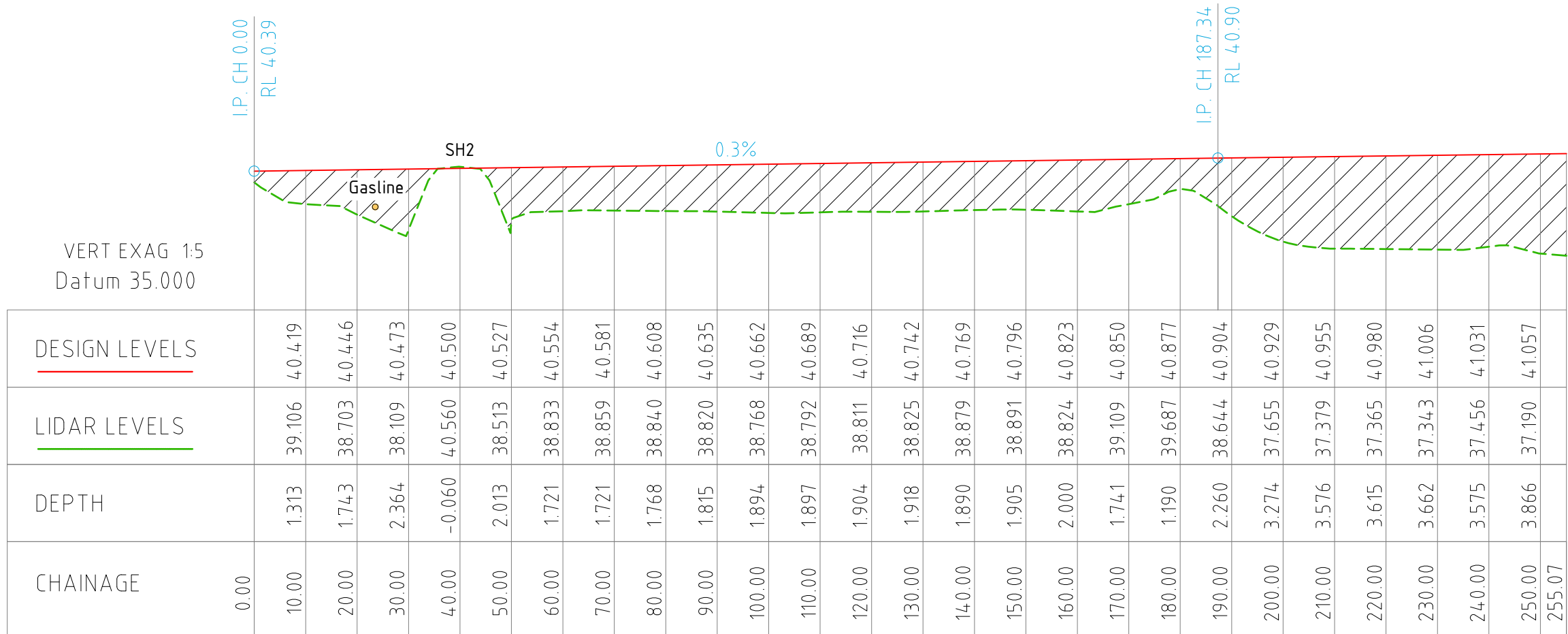




VERT EXAG 1:5
Datum 35.000



EASTERN SIDE - LONG SECTION - PROPOSED DESIGN

General Notes

Keys

Boundary lines

Gasline Surveyed (GDC)

Proposed design

Existing ground

Design footprint

TEKA 1000

Alignment / Chainage
Waipaoa river - Te Karaka

Coordinate System in term of : NZTM 2000

Vertical Datum in term of : NZVD 2016

EASTERN STOPBANK VOLUME

CHAINAGE	2D AREA (sqm)	FILL (cuM)
CH0 - CH1304	22 056	47 850

ADDITIONAL MATERIAL FOR CROSSING RAMPS

RAMP#	CHAINAGE (m)	SIDE	VOLUME (cuM)
1	150	EAST	203.10
2	360	EAST	334.59
3	550	EAST	610.48
4	720	EAST	547.49
5	1070	EAST	488.90

CIVIL PROJECT SOLUTIONS

Surveyed by :	CPS CREW	10/2025
Drawn by :	P.FLAUGERE	06/2026
Checked by :	D.FOOTE (GDC)	06/2026

ELEVATION BANDING LEGEND

Minimum Elevation	Maximum Elevation	Color Scheme
34.180m	37.695m	
37.000m	37.500m	
37.500m	38.000m	
38.000m	38.500m	
38.500m	39.000m	
39.000m	39.500m	
39.500m	40.000m	
40.000m	40.500m	
40.500m	41.000m	
41.000m	41.500m	
41.500m	42.000m	
42.000m	42.500m	
42.500m	43.000m	
43.000m	43.200m	

Firm Name and Address

Te Kaunihera o Te Tairāwhiti

Civil Project Solutions

Project Name and Address

WAIPAPOA RIVER
TE KARAKA - TOWNSHIP
EASTERN SIDE STOPBANK
LONG SECTION

Project

WAIPAPOA RIVER

Date

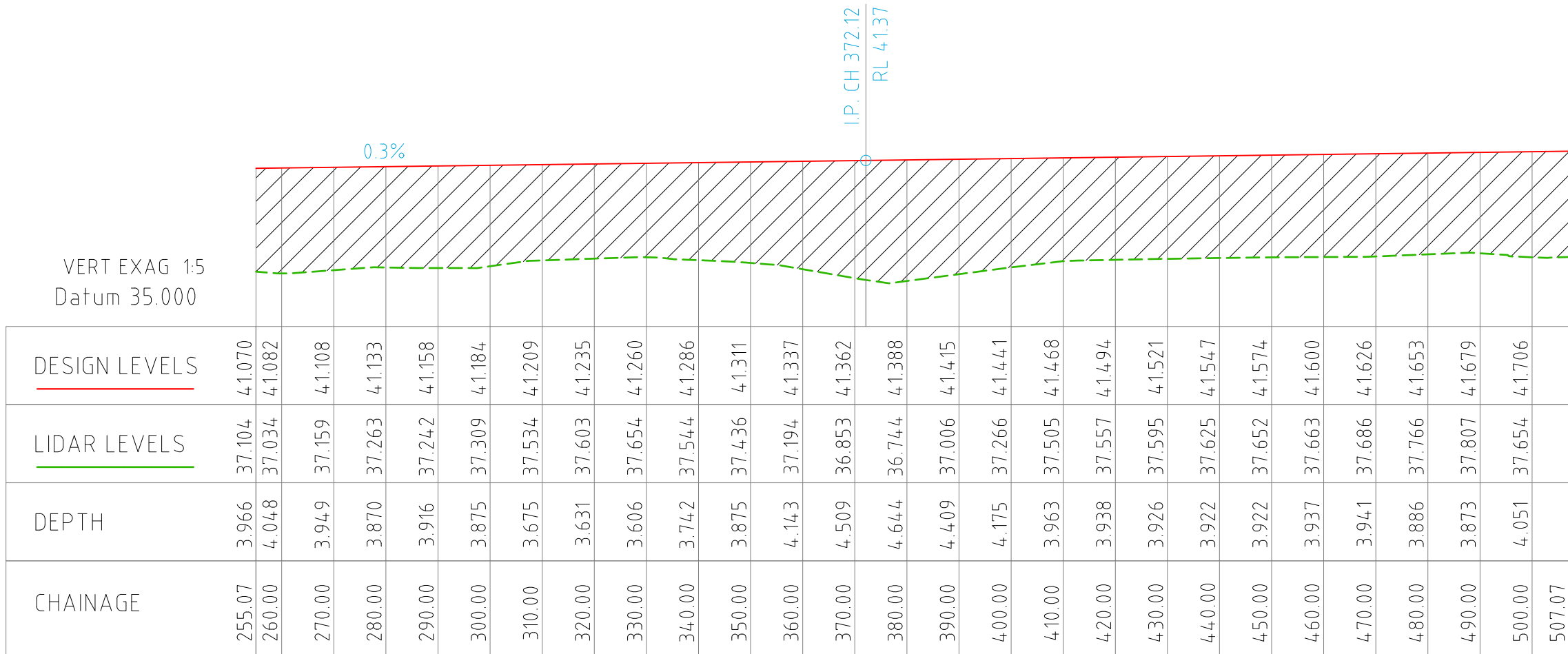
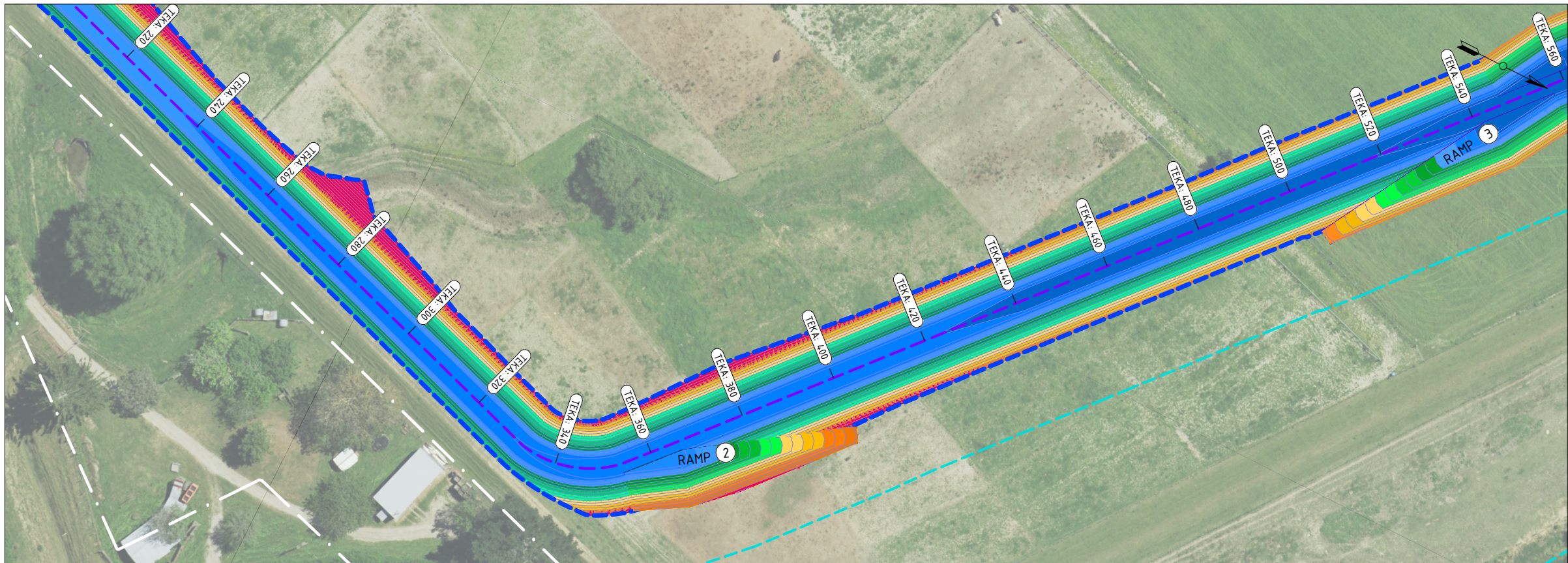
02.06.2026

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1



EASTERN SIDE - LONG SECTION - PROPOSED DESIGN

General Notes

Keys

Boundary lines

Gasline Surveyed (GDC)

Proposed design

Existing ground

Design footprint

TEKA 1000

Alignment / Chainage
Waipaoa river - Te Karaka

Coordinate System in term of : NZTM 2000

Vertical Datum in term of : NZVD 2016

EASTERN STOPBANK VOLUME

CHAINAGE	2D AREA (sq.m)	FILL (cu.m)
CH0 - CH1304	22 056	47 850

ADDITIONAL MATERIAL FOR CROSSING RAMP

RAMP#	CHAINAGE (m)	SIDE	VOLUME (cu.m)
①	150	EAST	203.10
②	360	EAST	334.59
③	550	EAST	610.48
④	720	EAST	547.49
⑤	1070	EAST	488.90

CIVIL PROJECT SOLUTIONS

Surveyed by :	CPS CREW	10/2025
Drawn by :	P.FLAUGERE	06/2026
Checked by :	D.FOOTE (GDC)	06/2026

ELEVATION BANDING LEGEND

Minimum Elevation	Maximum Elevation	Color Scheme
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38.000m	38.500m	
38.500m	39.000m	
39.000m	39.500m	
39.500m	40.000m	
40.000m	40.500m	
40.500m	41.000m	
41.000m	41.500m	
41.500m	42.000m	
42.000m	42.500m	
42.500m	43.000m	
43.000m	43.208m	

Firm Name and Address



GISBORNE

DISTRICT COUNCIL

Te Kaunihera o Te Tairāwhiti



CPS

Civil Project Solutions

Project Name and Address

WAIPAPOA RIVER

TE KARAKA - TOWNSHIP

EASTERN SIDE STOPBANK

LONG SECTION

Project

WAIPAPOA RIVER

Date

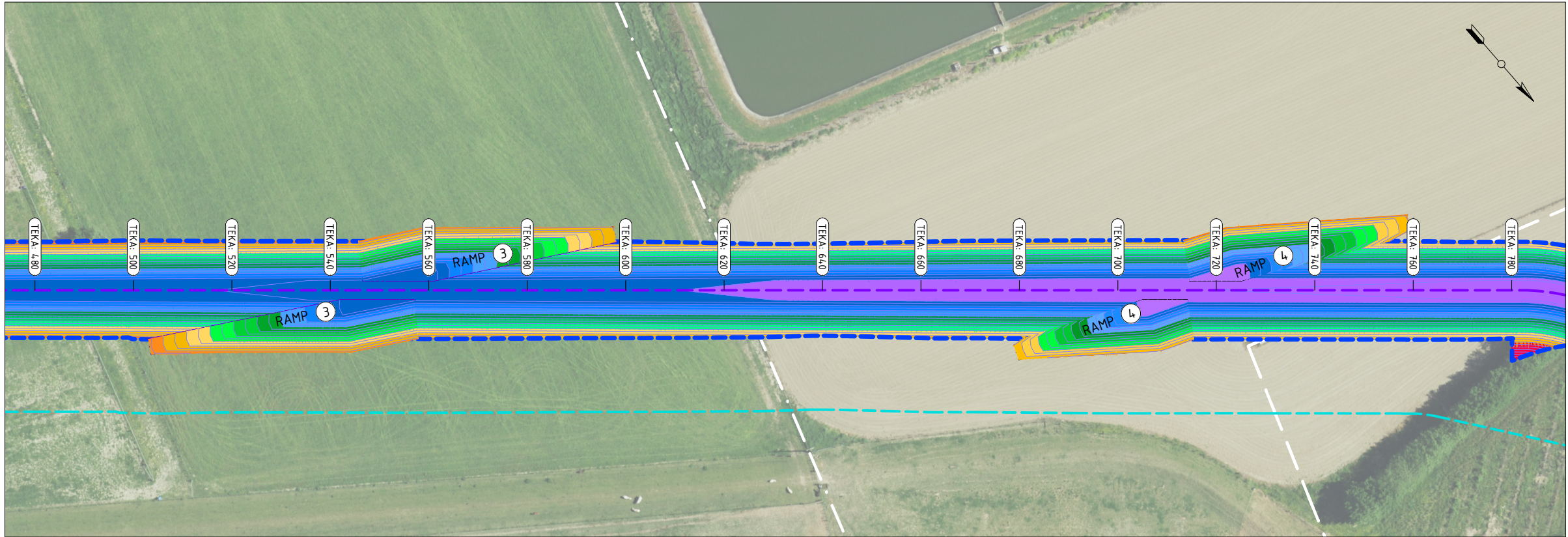
02.06.2026

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Sheet

2



VERT EXAG 1:5
Datum 35.000

DESIGN LEVELS	507.07	4.057	37.667	41.724
LIDAR LEVELS	510.00	4.044	37.688	41.732
DEPTH	520.00	3.999	37.759	41.759
CHAINAGE	530.00	3.981	37.804	41.785
540.00	3.988	37.824	41.811	
550.00	3.996	37.842	41.838	
560.00	4.004	37.861	41.864	
570.00	3.984	37.907	41.891	
580.00	3.952	37.965	41.917	
590.00	3.921	38.023	41.944	
600.00	3.919	38.051	41.970	
610.00	3.910	38.087	41.997	
620.00	3.819	38.204	42.023	
630.00	3.776	38.273	42.049	
640.00	3.767	38.309	42.076	
650.00	3.839	38.263	42.102	
660.00	3.915	38.213	42.128	
670.00	3.977	38.177	42.154	
680.00	4.025	38.155	42.180	
690.00	4.074	38.133	42.207	
700.00	4.116	38.117	42.233	
710.00	4.115	38.127	42.242	
720.00	4.115	38.136	42.251	
730.00	4.094	38.167	42.260	
740.00	4.028	38.241	42.269	
750.00	3.978	38.300	42.279	
759.07				

EASTERN SIDE - LONG SECTION - PROPOSED DESIGN

General Notes

Keys

Boundary lines

Gasline Surveyed (GDC)

Proposed design

Existing ground

TEKA 1000

Coordinate System in term of : NZTM 2000

Vertical Datum in term of : NZVD 2016

EASTERN STOPBANK VOLUME

CHAINAGE	2D AREA (sqm)	FILL (cuM)
CH0 - CH1304	22 056	47 850

ADDITIONAL MATERIAL FOR CROSSING RAMPS

RAMP#	CHAINAGE (m)	SIDE	VOLUME (cuM)
①	150	EAST	203.10
②	360	EAST	334.59
③	550	EAST	610.48
④	720	EAST	547.49
⑤	1070	EAST	488.90

CIVIL PROJECT SOLUTIONS

Surveyed by :	CPS CREW	10/2025
Drawn by :	P.FLAUGERE	06/2026
Checked by :	D.FOOTE (GDC)	06/2026

ELEVATION BANDING LEGEND

Minimum Elevation	Maximum Elevation	Color Scheme
34.180m	37.695m	
37.000m	37.500m	
37.500m	38.000m	
38.000m	38.500m	
38.500m	39.000m	
39.000m	39.500m	
39.500m	40.000m	
40.000m	40.500m	
40.500m	41.000m	
41.000m	41.500m	
41.500m	42.000m	
42.000m	42.500m	
42.500m	43.000m	
43.000m	43.208m	

Firm Name and Address

GISBORNE DISTRICT COUNCIL

Te Kaunihera o Te Tairāwhiti

CPS

Civil Project Solutions

Project Name and Address

WAIPAOA RIVER

TE KARAKA - TOWNSHIP

EASTERN SIDE STOPBANK

LONG SECTION

Project

WAIPAOA RIVER

Date

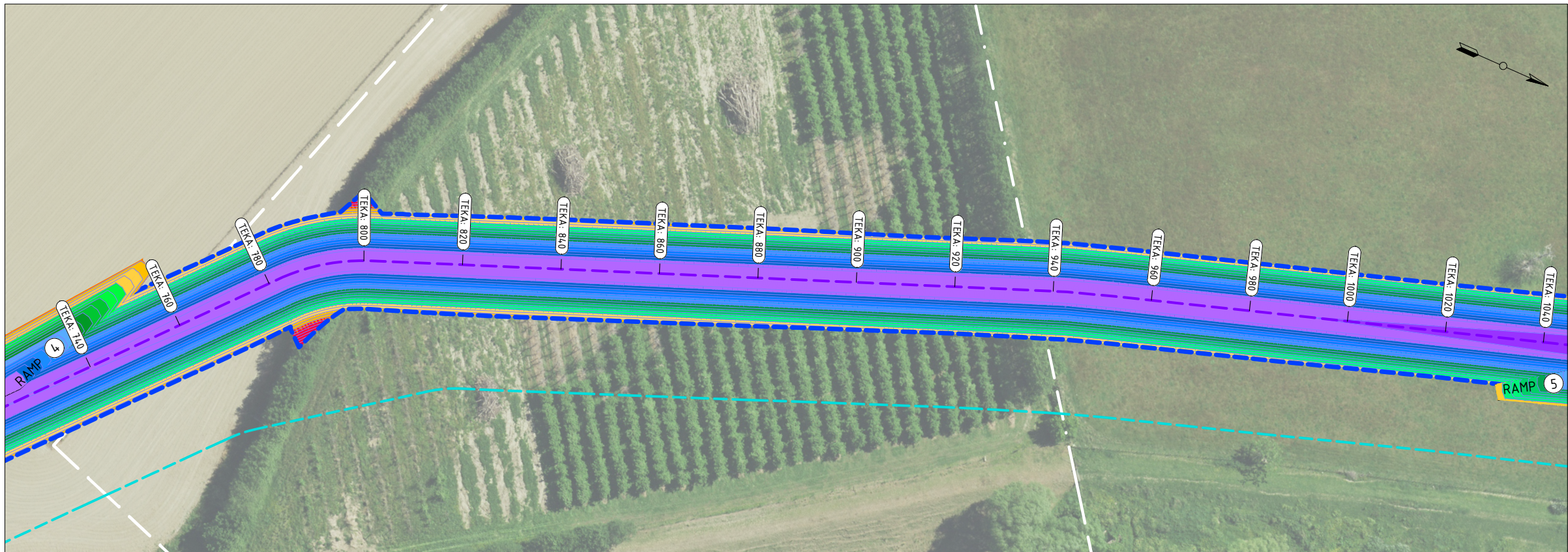
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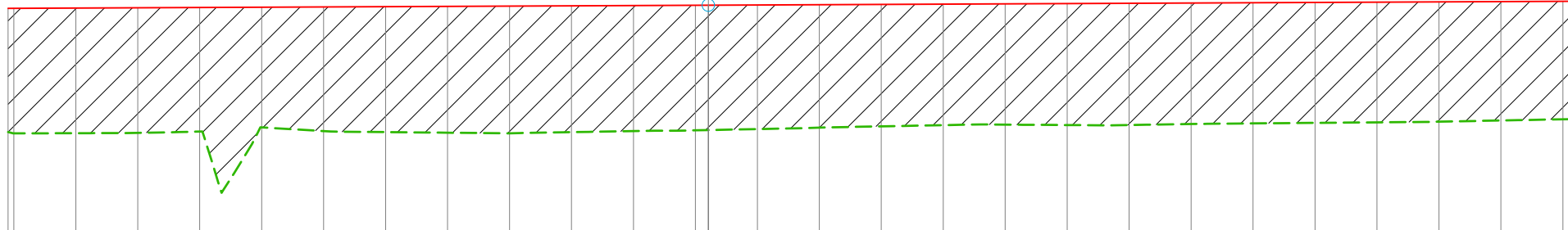
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VERT EXAG 1:5 Datum 35.000																											
CHAINAGE	DEPTH	LIDAR LEVELS	DESIGN LEVELS																								
759.07	3.995	38.292	42.287																								
760.00	4.039	38.248	42.288																								
770.00	4.043	38.254	42.297																								
780.00	4.041	38.265	42.306																								
790.00	4.007	38.309	42.315																								
800.00	3.883	38.441	42.324																								
810.00	4.010	38.324	42.333																								
820.00	4.053	38.290	42.343																								
830.00	4.082	38.270	42.352																								
840.00	4.109	38.252	42.361																								
850.00	4.083	38.287	42.370																								
860.00	4.058	38.321	42.379																								
870.00	4.042	38.347	42.388																								
880.00	4.010	38.388	42.398																								
890.00	3.973	38.434	42.407																								
900.00	3.940	38.476	42.416																								
910.00	3.910	38.515	42.425																								
920.00	3.903	38.531	42.434																								
930.00	3.926	38.517	42.443																								
940.00	3.933	38.519	42.452																								
950.00	3.912	38.550	42.462																								
960.00	3.900	38.571	42.471																								
970.00	3.892	38.588	42.480																								
980.00	3.885	38.605	42.489																								
990.00	3.872	38.627	42.498																								
1000.00	3.842	38.666	42.507																								
1010.00	3.812	38.705	42.516																								
1011.07																											

EASTERN SIDE - LONG SECTION - PROPOSED DESIGN

General Notes

Keys

Boundary lines

Gasline Surveyed (GDC)

Proposed design

Existing ground

Design footprint

TEKA 1000

Alignment / Chainage
Waipaoa river - Te Karaka

Coordinate System in term of : NZTM 2000

Vertical Datum in term of : NZVD 2016

EASTERN STOPBANK VOLUME

CHAINAGE	2D AREA (sqm)	FILL (cuM)
CH0 - CH1304	22 056	47 850

ADDITIONAL MATERIAL FOR CROSSING RAMPS

RAMP#	CHAINAGE (approx)	SIDE	VOLUME (cuM)
①	150	EAST	203.10
②	360	EAST	334.59
③	550	EAST	610.48
④	720	EAST	547.49
⑤	1070	EAST	488.90

CIVIL PROJECT SOLUTIONS

Surveyed by :	CPS CREW	10/2025
Drawn by :	P.FLAUGERE	06/2026
Checked by :	D.FOOTE (GDC)	06/2026

ELEVATION BANDING LEGEND

Minimum Elevation	Maximum Elevation	Color Scheme
34.180m	37.695m	
37.000m	37.500m	
37.500m	38.000m	
38.000m	38.500m	
38.500m	39.000m	
39.000m	39.500m	
39.500m	40.000m	
40.000m	40.500m	
40.500m	41.000m	
41.000m	41.500m	
41.500m	42.000m	
42.000m	42.500m	
42.500m	43.000m	
43.000m	43.208m	

Firm Name and Address

GISBORNE
DISTRICT COUNCIL

Te Kaunihera o Te Tairāwhiti

CPS

Civil Project Solutions

Project Name and Address

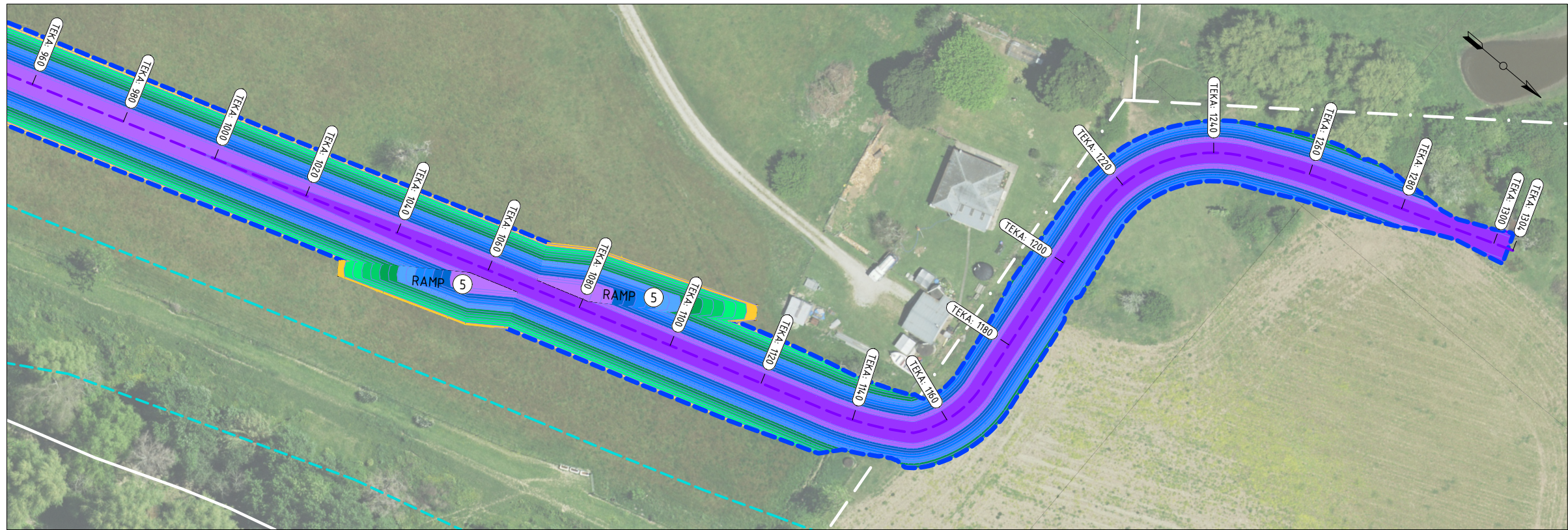
WAIPAPOA RIVER
TE KARAKA - TOWNSHIP
EASTERN SIDE STOPBANK
LONG SECTION

Project
WAIPAPOA RIVER

Date
02.06.2026

Scale
1:1000 @ A3

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General Notes

Keys

Boundary lines

Gastline Surveyed (GDC)

Proposed design

Existing ground

Design footprint

TEKA 1000

Alignment / Chainage

Waipaoa river - Te Karaka

Coordinate System in term of : NZTM 2000
Vertical Datum in term of : NZVD 2016

EASTERN STOPBANK VOLUME		
CHAINAGE	2D AREA (sqm)	FILL (cuM)
CH0 - CH1304	22 056	47 850

ADDITIONAL MATERIAL FOR CROSSING RAMP			
RAMP#	CHAINAGE (m)	SIDE	VOLUME (cuM)
1	150	EAST	203.10
2	360	EAST	334.59
3	550	EAST	610.48
4	720	EAST	547.49
5	1070	EAST	488.90

CIVIL PROJECT SOLUTIONS			
Surveyed by :	CPS CREW	10/2025	
Drawn by :	P.FLAUGERE	06/2026	
Checked by :	D.FOOTE (GDC)	06/2026	

ELEVATION BANDING LEGEND		
Minimum Elevation	Maximum Elevation	Color Scheme
34.180m	37.695m	
37.000m	37.500m	
37.500m	38.000m	
38.000m	38.500m	
38.500m	39.000m	
39.000m	39.500m	
39.500m	40.000m	
40.000m	40.500m	
40.500m	41.000m	
41.000m	41.500m	
41.500m	42.000m	
42.000m	42.500m	
42.500m	43.000m	
43.000m	43.208m	

Firm Name and Address

GISBORNE

DISTRICT COUNCIL

Te Kaunihera o Te Tairāwhiti

CPS

Civil Project Solutions

Project Name and Address

WAIPAPOA RIVER
TE KARAKA - TOWNSHIP
EASTERN SIDE STOPBANK
LONG SECTION

Project

WAIPAPOA RIVER

Date

02.06.2026

Scale

1:1000 @ A3

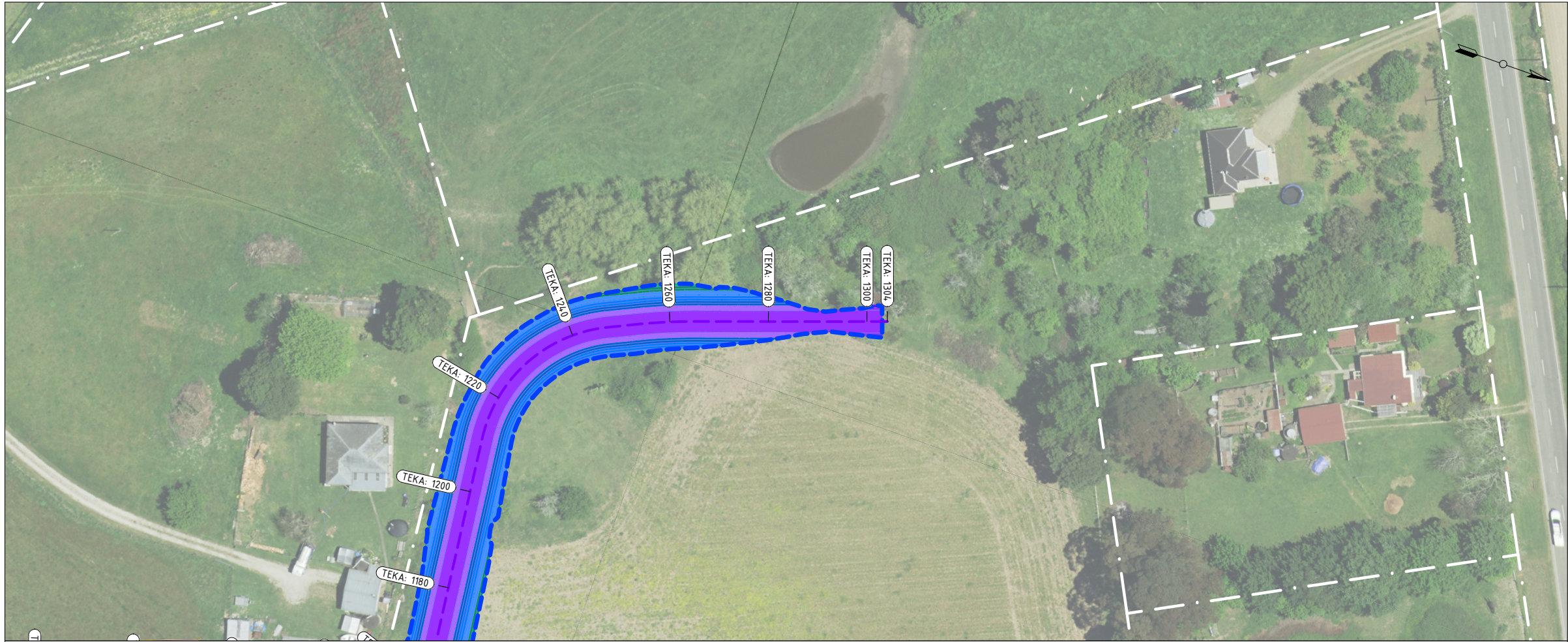
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VERT EXAG 1:5
Datum 35.000

DESIGN LEVELS	42.517	42.526	42.535	42.544	42.553	42.562	42.571	42.581	42.590	42.599	42.608	42.617	42.626	42.635	42.645	42.650	42.650	42.649	42.649	42.648	42.648	42.648	42.647	42.647	42.647	42.646
LIDAR LEVELS	38.709	38.741	38.704	38.668	38.653	38.661	38.668	38.674	38.689	38.703	38.713	38.771	39.003	39.432	40.708	40.124	40.129	40.157	40.751	40.366	40.561	40.634	40.576	40.585	40.549	40.547
DEPTH	3.809	3.785	3.831	3.876	3.900	3.902	3.903	3.906	3.901	3.895	3.895	3.846	3.623	3.203	1.936	2.526	2.520	2.492	1.898	2.282	2.087	2.014	2.072	2.062	2.098	2.099
CHAINAGE	1011.07	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	1160.00	1170.00	1180.00	1190.00	1200.00	1210.00	1220.00	1230.00	1240.00	1250.00	1260.00

EASTERN SIDE - LONG SECTION - PROPOSED DESIGN



VERT EXAG 1:5
Datum 40.000

DESIGN LEVELS	42.646	42.646	42.645	42.645	42.645
LIDAR LEVELS	40.562	40.971	41.702	42.504	43.145
DEPTH	2.084	1.675	0.943	0.141	-0.500
CHAINAGE	1263.07	1270.00	1280.00	1290.00	1300.00
					1301.07

EASTERN SIDE - LONG SECTION - PROPOSED DESIGN

General Notes

Keys

Boundary lines

Gasline Surveyed (GDC)

Proposed design

Existing ground

Design footprint

TEKA 1000

Alignment / Chainage
Waipaoa river - Te Karaka

Coordinate System in term of : NZTM 2000
Vertical Datum in term of : NZVD 2016

EASTERN STOPBANK VOLUME

CHAINAGE	2D AREA (sqm)	FILL (cuM)
CH0 - CH1304	22 056	47 850

ADDITIONAL MATERIAL FOR CROSSING RAMP

RAMP#	CHAINAGE (m)	SIDE	VOLUME (cuM)
①	150	EAST	203.10
②	360	EAST	334.59
③	550	EAST	610.48
④	720	EAST	547.49
⑤	1070	EAST	488.90

CIVIL PROJECT SOLUTIONS

Surveyed by :

CPS CREW

10/2025

Drawn by :

P.FLAUGERE

06/2026

Checked by :

D.FOOTE (GDC)

06/2026

ELEVATION BANDING LEGEND

Minimum Elevation	Maximum Elevation	Color Scheme
34.180m	37.695m	
37.000m	37.500m	
37.500m	38.000m	
38.000m	38.500m	
38.500m	39.000m	
39.000m	39.500m	
39.500m	40.000m	
40.000m	40.500m	
40.500m	41.000m	
41.000m	41.500m	
41.500m	42.000m	
42.000m	42.500m	
42.500m	43.000m	
43.000m	43.208m	

Firm Name and Address



GISBORNE
DISTRICT COUNCIL

Te Kaunihera o Te Tairāwhiti



CPS

Civil Project Solutions

Project Name and Address

WAIPAOA RIVER

TE KARAKA - TOWNSHIP

EASTERN SIDE STOPBANK

LONG SECTION

Project

WAIPAOA RIVER

Date

02.06.2026

Scale

1:1000 @ A3

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