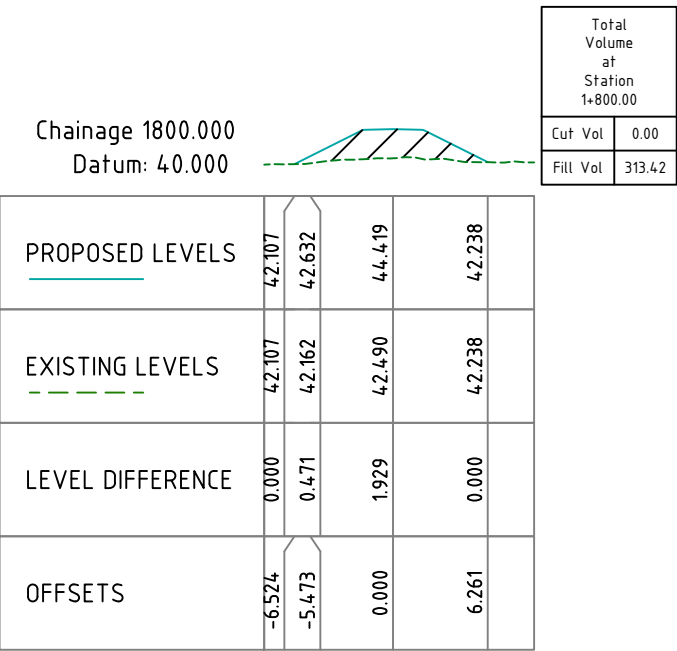
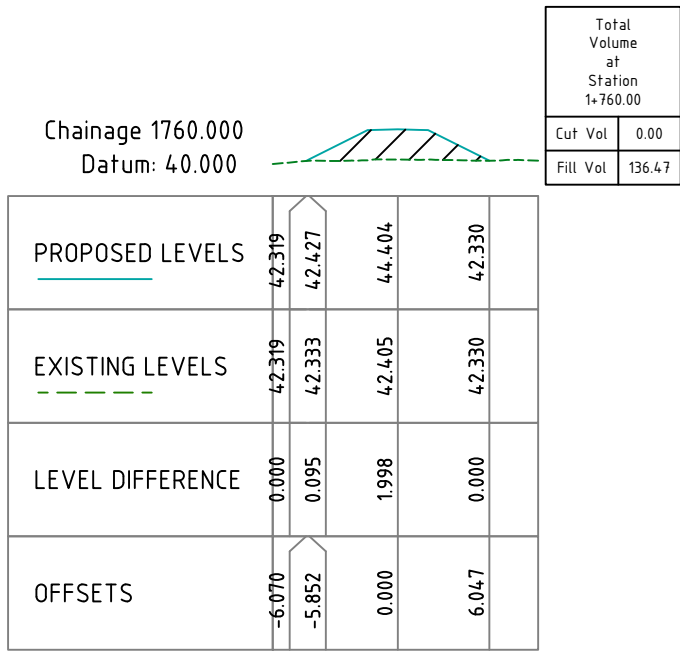
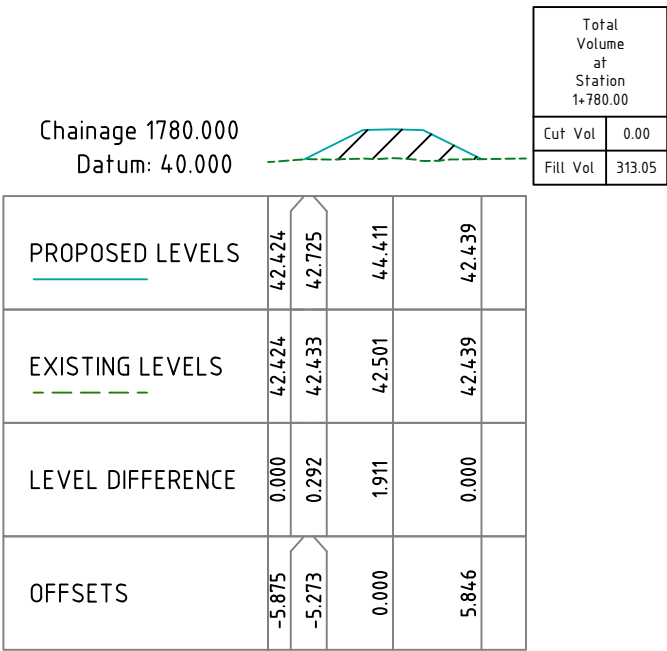
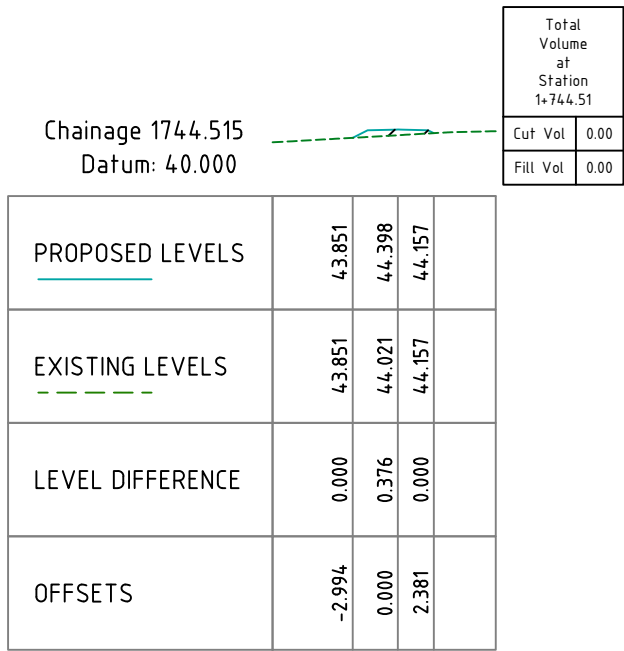




General Notes

Keys

Top

Bottom

Banks

Boundary lines

Fence lines

⋈

Gates

Culverts

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

CIVIL PROJECT SOLUTIONS

Surveyed by : CPS CREW

10/2025

Drawn by : P.FLAUGERE

06/2026

Checked by : D.FOOTE

06/2026

TYPICAL CROSS SECTION

4m WIDE STOPBANK (TOP)

DESIGN ALIGNMENT

CENTRELINE

4m

2.5%

EXISTING STOPBANK

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

WESTERN AVOIDANCE PART

CROSS SECTIONS

Project

WAIPAOA RIVER

Date

05.06.2026

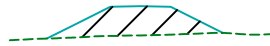
Scale

1:500 @ A3

Sheet

1

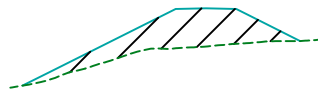
Chainage 1820.000
Datum: 40.000



Total Volume at Station 1+820.00	
Cut Vol	0.00
Fill Vol	308.14

PROPOSED LEVELS	42.279	44.427	42.651
EXISTING LEVELS	42.279	42.483	42.651
LEVEL DIFFERENCE	0.000	1.944	0.000
OFFSETS	-6.194	0.000	5.451

Chainage 1860.000
Datum: 35.000



Total Volume at Station 1+860.00	
Cut Vol	0.00
Fill Vol	442.29

PROPOSED LEVELS	39.323	40.172	44.442	42.273
EXISTING LEVELS	39.323	39.691	41.912	42.273
LEVEL DIFFERENCE	0.000	0.481	2.530	0.000
OFFSETS	-12.139	-10.439	0.000	6.238

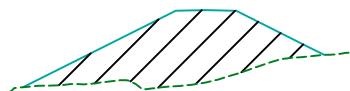
Chainage 1840.000
Datum: 40.000



Total Volume at Station 1+840.00	
Cut Vol	0.00
Fill Vol	328.14

PROPOSED LEVELS	41.893	42.185	44.434	42.577	42.483
EXISTING LEVELS	41.893	41.923	42.246	42.475	42.483
LEVEL DIFFERENCE	0.000	0.262	2.189	0.103	0.000
OFFSETS	-6.982	-6.399	0.000	5.614	5.802

Chainage 1880.000
Datum: 35.000

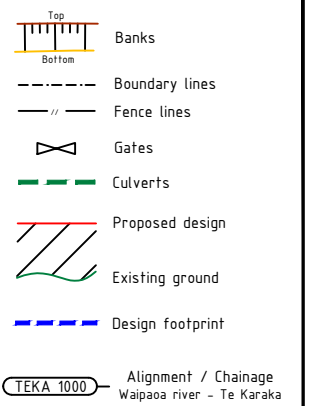


Total Volume at Station 1+880.00	
Cut Vol	0.00
Fill Vol	800.80

PROPOSED LEVELS	39.344	42.309	44.450	42.038	41.486
EXISTING LEVELS	39.344	39.751	39.666	41.374	41.486
LEVEL DIFFERENCE	0.000	2.559	4.783	0.663	0.000
OFFSETS	-12.111	-6.180	0.000	6.724	7.828

General Notes

Keys

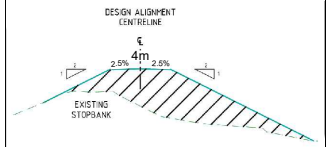


Coordinate System in term of : NZTM 2000
Vertical Datum in term of : NZVD 2016

CIVIL PROJECT SOLUTIONS

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

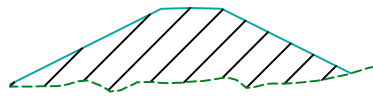
TYPICAL CROSS SECTION
4m WIDE STOPBANK (TOP)



Project Name and Address
WAIPAOA RIVER
TE KARAKA - TOWNSHIP
WESTERN AVOIDANCE PART
CROSS SECTIONS

Project WAIPAOA RIVER	Sheet 2
Date 05.06.2026	
Scale 1:500 @ A3	

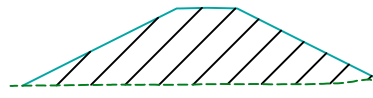
Chainage 1900.000
Datum: 35.000



Total Volume at Station 1+900.00	
Cut Vol	0.00
Fill Vol	1215.94

PROPOSED LEVELS	39.407	44.457	41.171	40.136
EXISTING LEVELS	39.266	39.592	39.545	40.136
LEVEL DIFFERENCE	0.142	4.865	2.171	0.000
OFFSETS	-12.000	0.000	7.381	10.542

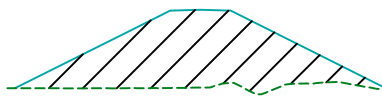
Chainage 1940.000
Datum: 35.000



Total Volume at Station 1+940.00	
Cut Vol	0.00
Fill Vol	1419.66

PROPOSED LEVELS	39.320	41.144	44.472	42.083	39.053
EXISTING LEVELS	39.320	39.360	39.421	39.420	39.053
LEVEL DIFFERENCE	0.000	1.783	5.051	2.662	0.000
OFFSETS	-12.205	-8.558	0.000	6.680	12.738

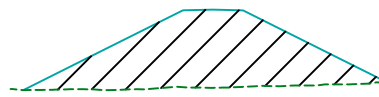
Chainage 1920.000
Datum: 35.000



Total Volume at Station 1+920.00	
Cut Vol	0.00
Fill Vol	1392.77

PROPOSED LEVELS	39.279	44.465	39.625	39.333
EXISTING LEVELS	39.279	39.328	39.256	39.333
LEVEL DIFFERENCE	0.000	5.137	0.369	0.000
OFFSETS	-12.273	0.000	11.579	12.164

Chainage 1960.000
Datum: 35.000

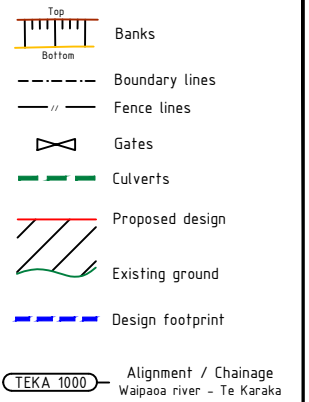


Total Volume at Station 1+960.00	
Cut Vol	0.00
Fill Vol	1428.55

PROPOSED LEVELS	39.158	41.080	44.480	39.934	39.667
EXISTING LEVELS	39.158	39.216	39.305	39.663	39.667
LEVEL DIFFERENCE	0.000	1.864	5.175	0.272	0.000
OFFSETS	-12.544	-8.701	0.000	10.992	11.527

General Notes

Keys

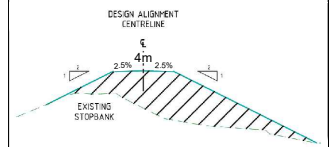


Coordinate System in term of : NZTM 2000
Vertical Datum in term of : NZVD 2016

CIVIL PROJECT SOLUTIONS

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

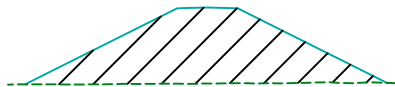
TYPICAL CROSS SECTION
4m WIDE STOPBANK (TOP)



Project Name and Address
WAIPAPOA RIVER
TE KARAKA - TOWNSHIP
WESTERN AVOIDANCE PART
CROSS SECTIONS

Project WAIPAPOA RIVER	Sheet 3
Date 05.06.2026	
Scale 1:500 @ A3	

Chainage 1980.000
Datum: 35.000

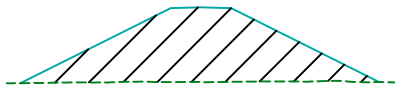


Construction access
corridor 5m min

Total Volume at Station 1+980.00	
Cut Vol	0.00
Fill Vol	1416.87

PROPOSED LEVELS	39.407	41.111	44.488	39.840	39.504
EXISTING LEVELS	39.407	39.401	39.466	39.531	39.504
LEVEL DIFFERENCE	0.000	1.710	5.022	0.309	0.000
OFFSETS	-12.061	-8.653	0.000	11.195	11.867

Chainage 2020.000
Datum: 35.000

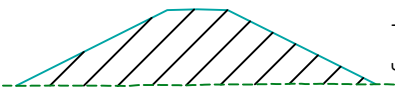


Construction access
corridor 5m min

Total Volume at Station 2+020.00	
Cut Vol	0.00
Fill Vol	1360.87

PROPOSED LEVELS	39.481	42.166	44.503	41.442	39.565
EXISTING LEVELS	39.481	39.539	39.561	39.622	39.565
LEVEL DIFFERENCE	0.000	2.627	4.942	1.820	0.000
OFFSETS	-11.943	-6.574	0.000	8.021	11.776

Chainage 2000.000
Datum: 35.000

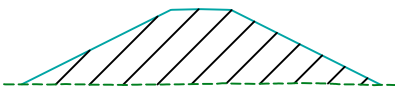


Construction access
corridor 5m min

Total Volume at Station 2+000.00	
Cut Vol	0.00
Fill Vol	1381.80

PROPOSED LEVELS	39.444	39.559	44.495	40.081	39.546
EXISTING LEVELS	39.444	39.442	39.500	39.539	39.546
LEVEL DIFFERENCE	0.000	0.117	4.995	0.542	0.000
OFFSETS	-12.003	-11.772	0.000	10.729	11.800

Chainage 2040.000
Datum: 35.000



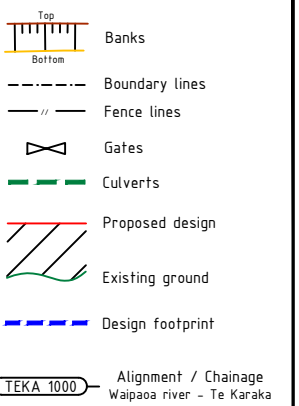
Construction access
corridor 5m min

Total Volume at Station 2+040.00	
Cut Vol	0.00
Fill Vol	1353.21

PROPOSED LEVELS	39.536	44.511	40.672	39.508
EXISTING LEVELS	39.536	39.565	39.536	39.508
LEVEL DIFFERENCE	0.000	4.946	1.137	0.000
OFFSETS	-11.849	0.000	9.577	11.906

General Notes

Keys

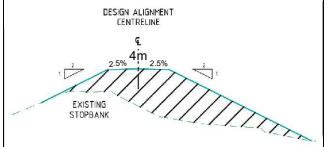


Coordinate System in term of : NZTM 2000
Vertical Datum in term of : NZVD 2016

CIVIL PROJECT SOLUTIONS

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

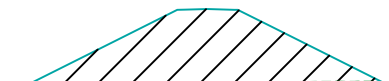
TYPICAL CROSS SECTION
4m WIDE STOPBANK (TOP)



Project Name and Address
**WAIPAOA RIVER
TE KARAKA - TOWNSHIP
WESTERN AVOIDANCE PART
CROSS SECTIONS**

Project WAIPAOA RIVER	Sheet
Date 05.06.2026	4
Scale 1:500 @ A3	

Chainage 2060.000
Datum: 35.000

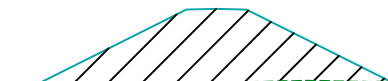


Construction access
corridor 5m min

Total Volume at Station 2+060.00	
Cut Vol	0.00
Fill Vol	1335.85

PROPOSED LEVELS	39.595	42.633	44.518	39.686
EXISTING LEVELS	39.595	39.639	39.641	39.686
LEVEL DIFFERENCE	0.000	2.994	4.878	0.000
OFFSETS	-11.746	-5.671	0.000	11.565

Chainage 2100.000
Datum: 35.000

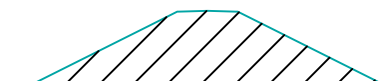


Construction access
corridor 5m min

Total Volume at Station 2+100.00	
Cut Vol	0.00
Fill Vol	1310.15

PROPOSED LEVELS	39.681	40.337	44.534	41.504	39.699
EXISTING LEVELS	39.681	39.673	39.671	39.742	39.699
LEVEL DIFFERENCE	0.000	0.664	4.863	1.762	0.000
OFFSETS	-11.606	-10.294	0.000	7.959	11.570

Chainage 2080.000
Datum: 35.000

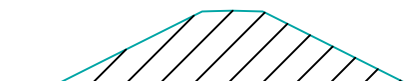


Construction access
corridor 5m min

Total Volume at Station 2+080.00	
Cut Vol	0.00
Fill Vol	1316.75

PROPOSED LEVELS	39.632	44.526	39.692
EXISTING LEVELS	39.632	39.633	39.692
LEVEL DIFFERENCE	0.000	4.893	0.000
OFFSETS	-11.689	0.000	11.568

Chainage 2120.000
Datum: 35.000



Total Volume at Station 2+120.00	
Cut Vol	0.00
Fill Vol	1290.18

PROPOSED LEVELS	39.728	41.394	44.541	39.720
EXISTING LEVELS	39.728	39.733	39.722	39.720
LEVEL DIFFERENCE	0.000	1.662	4.819	0.000
OFFSETS	-11.527	-8.194	0.000	11.543

General Notes

Keys

Top

Bottom

Banks

Boundary lines

Fence lines

Gates

Culverts

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

CIVIL PROJECT SOLUTIONS

Surveyed by : CPS CREW10/2025

Drawn by : P.FLAUGERE06/2026

Checked by : D.FOOTE06/2026

TYPICAL CROSS SECTION
4m WIDE STOPBANK (TOP)

DESIGN ALIGNMENT
CENTRELINE

4m

2.5%

2.5%

EXISTING
STOPBANK

Firm Name and Address

GISBORNE
DISTRICT COUNCIL

Te Kaunihera o Te Taiāwhiti

CPS

Civil Project Solutions

Project Name and Address

WAIPAOA RIVER
TE KARAKA - TOWNSHIP
WESTERN AVOIDANCE PART
CROSS SECTIONS

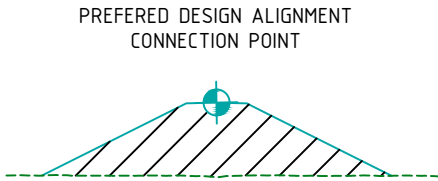
Project
WAIPAOA RIVER

Date
05.06.2026

Scale
1:500 @ A3

Sheet
5

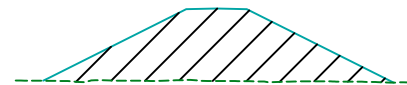
Chainage 2140.000
Datum: 35.000



Total Volume at Station 2+140.00	
Cut Vol	0.00
Fill Vol	1289.96

PROPOSED LEVELS	39.726	42.851	44.549	39.706
EXISTING LEVELS	39.726	39.715	39.625	39.706
LEVEL DIFFERENCE	0.000	3.136	4.923	0.000
OFFSETS	-11.548	-5.298	0.000	11.585

Chainage 2160.000
Datum: 35.000

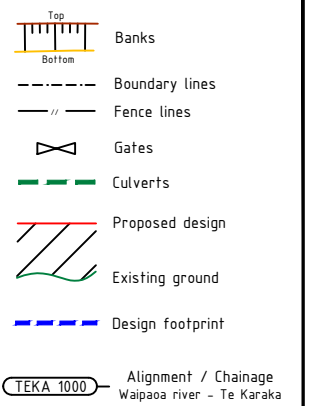


Total Volume at Station 2+160.00	
Cut Vol	0.00
Fill Vol	1294.97

PROPOSED LEVELS	39.775	39.992	44.556	40.219	39.648
EXISTING LEVELS	39.775	39.772	39.757	39.691	39.648
LEVEL DIFFERENCE	0.000	0.220	4.799	0.528	0.000
OFFSETS	-11.463	-11.029	0.000	10.575	11.718

General Notes

Keys

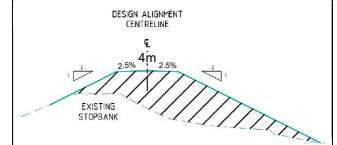


Coordinate System in term of : NZTM 2000
Vertical Datum in term of : NZVD 2016

CIVIL PROJECT SOLUTIONS

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

TYPICAL CROSS SECTION
4m WIDE STOPBANK (TOP)



Project Name and Address
WAIPAOA RIVER
TE KARAKA - TOWNSHIP
WESTERN AVOIDANCE PART
CROSS SECTIONS

Project WAIPAOA RIVER	Sheet 6
Date 05.06.2026	
Scale 1:500 @ A3	

Total Volume Table			
Station	Fill Area	Fill Volume	Cumulative Fill Vol
1+744.51	1.66	0.00	0.00
1+760.00	15.96	136.47	136.47
1+780.00	15.34	313.05	449.52
1+800.00	16.00	313.42	762.94
1+820.00	14.82	308.14	1071.08
1+840.00	18.00	328.14	1399.22
1+860.00	26.23	442.29	1841.51
1+880.00	53.85	800.80	2642.31
1+900.00	67.75	1215.94	3858.25
1+920.00	71.53	1392.77	5251.02
1+940.00	70.43	1419.66	6670.68
1+960.00	71.99	1428.55	8099.22
1+980.00	69.49	1416.87	9516.10
2+000.00	68.69	1381.80	10897.90
2+020.00	67.39	1360.87	12258.77
2+040.00	67.93	1353.21	13611.98
2+060.00	65.66	1335.85	14947.83
2+080.00	66.02	1316.75	16264.58
2+100.00	65.00	1310.15	17574.73
2+120.00	64.02	1290.18	18864.91
2+140.00	65.02	1289.96	20154.87
2+160.00	64.42	1294.97	21449.84

General Notes

Keys

Top

Bottom

Banks

Boundary lines

Fence lines

Gates

Culverts

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

CIVIL PROJECT SOLUTIONS

Surveyed by : CPS CREW10/2025

Drawn by : P.FLAUGERE06/2026

Checked by : D.FOOTE06/2026

TYPICAL CROSS SECTION
4m WIDE STOPBANK (TOP)

DESIGN ALIGNMENT
CENTRELINE

4m

2.5%

2.5%

EXISTING
STOPBANK

Firm Name and Address

GISBORNE
DISTRICT COUNCIL

Te Kaunihera o Te Taiāwhiti

CPS

Civil Project Solutions

Project Name and Address

WAIPAOA RIVER
TE KARAKA - TOWNSHIP
WESTERN AVOIDANCE PART
VOLUME REPORT

Project
WAIPAOA RIVER

Date
05.06.2026

Scale
1:500 @ A3

Sheet
7