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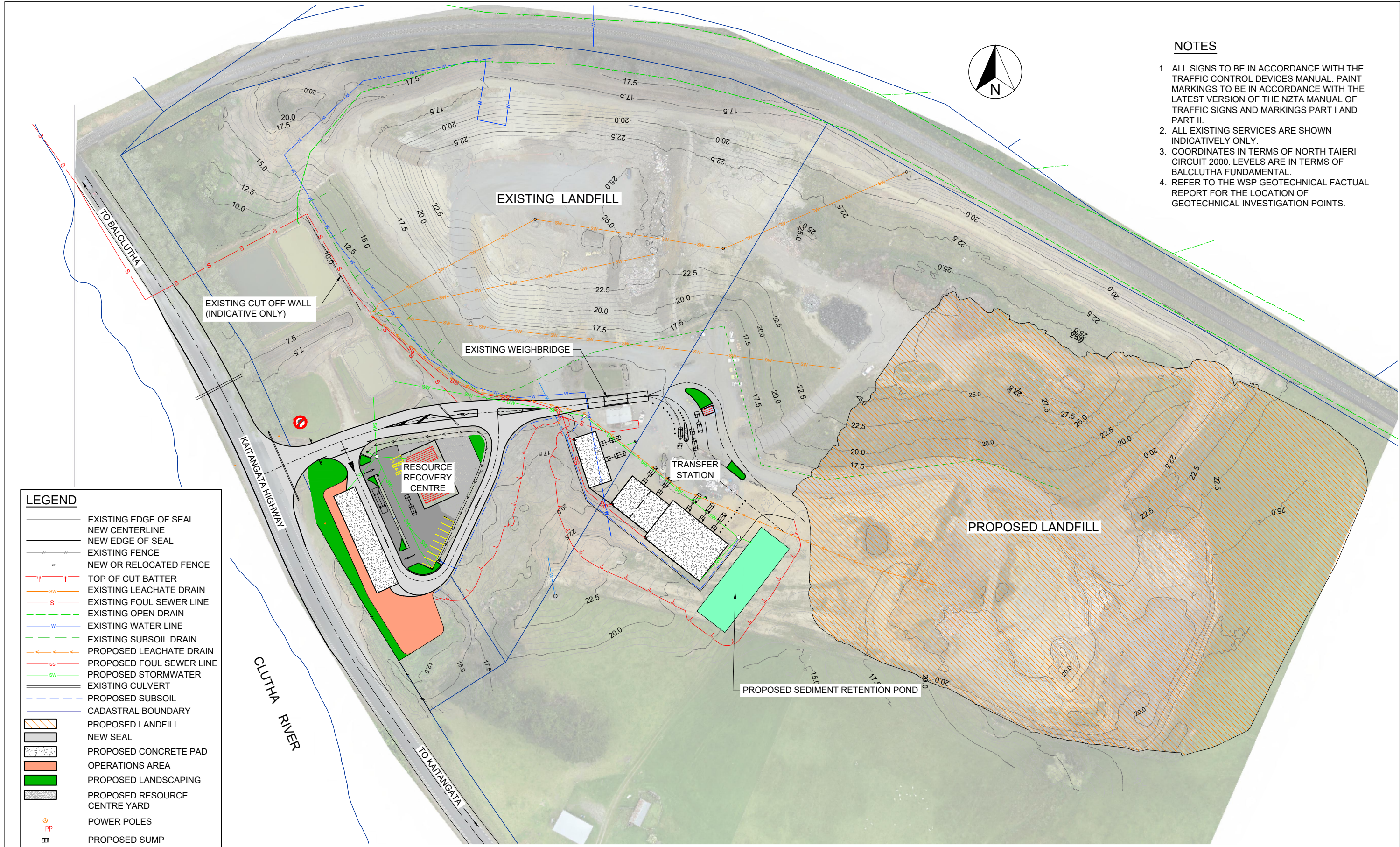
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CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT

CIVIL CONSENT

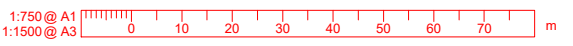
Project No: CO082.00
Date: 2023_04_06



- NOTES**
1. ALL SIGNS TO BE IN ACCORDANCE WITH THE TRAFFIC CONTROL DEVICES MANUAL. PAINT MARKINGS TO BE IN ACCORDANCE WITH THE LATEST VERSION OF THE NZTA MANUAL OF TRAFFIC SIGNS AND MARKINGS PART I AND PART II.
 2. ALL EXISTING SERVICES ARE SHOWN INDICATIVELY ONLY.
 3. COORDINATES IN TERMS OF NORTH TAIERI CIRCUIT 2000. LEVELS ARE IN TERMS OF BALCLUTHA FUNDAMENTAL.
 4. REFER TO THE WSP GEOTECHNICAL FACTUAL REPORT FOR THE LOCATION OF GEOTECHNICAL INVESTIGATION POINTS.

LEGEND

	EXISTING EDGE OF SEAL
	NEW CENTERLINE
	NEW EDGE OF SEAL
	EXISTING FENCE
	NEW OR RELOCATED FENCE
	TOP OF CUT BATTER
	EXISTING LEACHATE DRAIN
	EXISTING FOUL SEWER LINE
	EXISTING OPEN DRAIN
	EXISTING WATER LINE
	EXISTING SUBSOIL DRAIN
	PROPOSED LEACHATE DRAIN
	PROPOSED FOUL SEWER LINE
	PROPOSED STORMWATER
	EXISTING CULVERT
	PROPOSED SUBSOIL
	CADASTRAL BOUNDARY
	PROPOSED LANDFILL
	NEW SEAL
	PROPOSED CONCRETE PAD
	OPERATIONS AREA
	PROPOSED LANDSCAPING
	PROPOSED RESOURCE CENTRE YARD
	POWER POLES
	PROPOSED SUMP
	PROPOSED MANHOLE



NOTE:
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REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



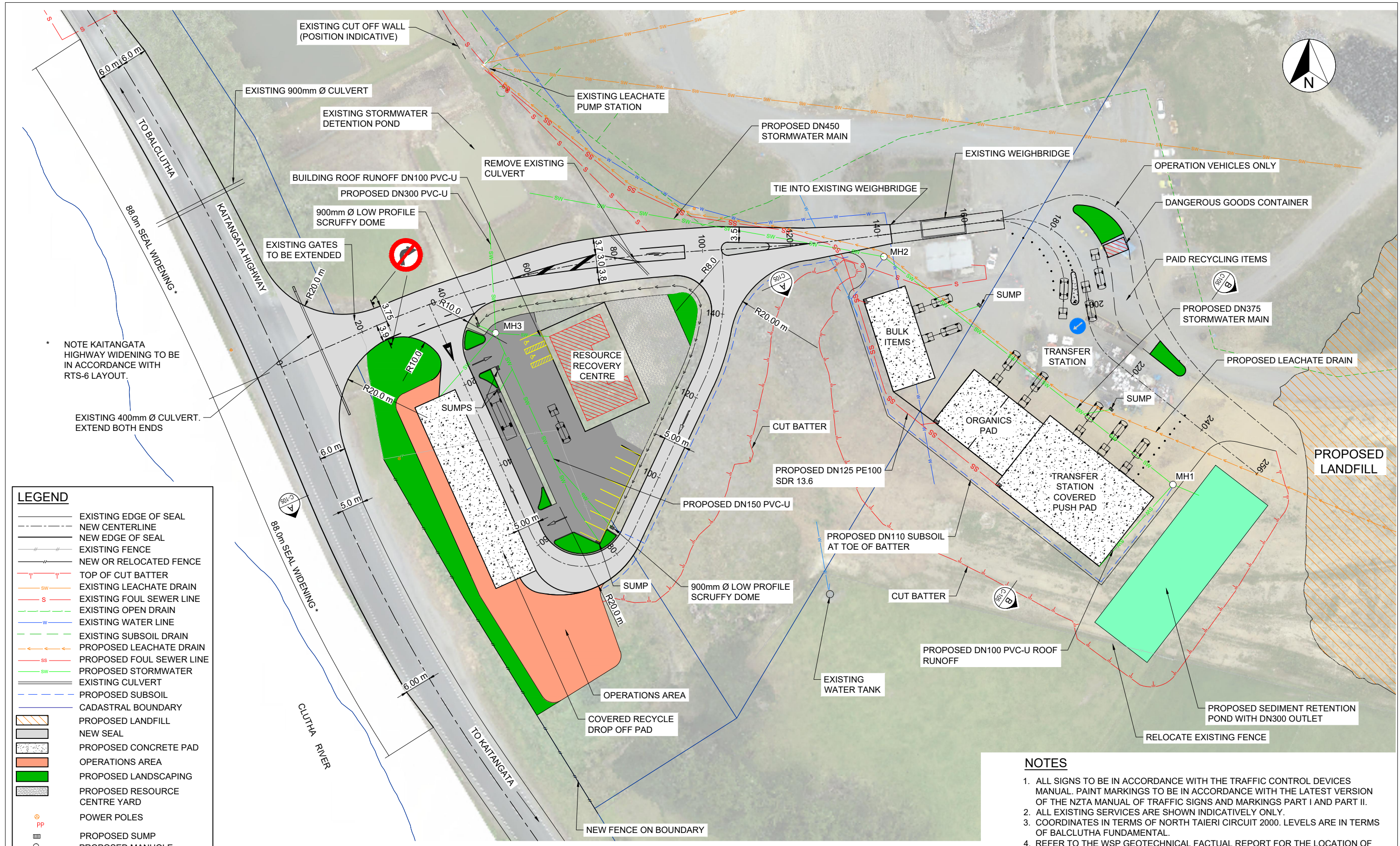
wsp
Invercargill Office
+64 3 211 3580
PO Box 647
Invercargill 9840
New Zealand

CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:750@A1, 1:1500@A3	J.L. BOYDE	CHRIS FOX	A1
DRAWN	DESIGN VERIFIED	APPROVED DATE	
J.L. BOYDE	ROWAN LATHAM	2023-04-06	
DRAWING VERIFIED			
CALLUM FEELY			

PRELIMINARY

PROJECT	TITLE	WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	LANDFILL, TRANSFER STATION & RESOURCE RECOVERY CENTRE OVERALL SITE PLAN	6-CO082.00	C101	A



LEGEND

---	EXISTING EDGE OF SEAL
- - -	NEW CENTERLINE
---	NEW EDGE OF SEAL
---	EXISTING FENCE
---	NEW OR RELOCATED FENCE
---	TOP OF CUT BATTER
---	EXISTING LEACHATE DRAIN
---	EXISTING FOUL SEWER LINE
---	EXISTING OPEN DRAIN
---	EXISTING WATER LINE
---	EXISTING SUBSOIL DRAIN
---	PROPOSED LEACHATE DRAIN
---	PROPOSED FOUL SEWER LINE
---	PROPOSED STORMWATER
---	EXISTING CULVERT
---	PROPOSED SUBSOIL
---	CADASTRAL BOUNDARY
---	PROPOSED LANDFILL
---	NEW SEAL
---	PROPOSED CONCRETE PAD
---	OPERATIONS AREA
---	PROPOSED LANDSCAPING
---	PROPOSED RESOURCE CENTRE YARD
PP	POWER POLES
PP	PROPOSED SUMP
PP	PROPOSED MANHOLE

1:1 @ A1
1:2 @ A3
0 10 20 30 40 50 60 70 80 90 100 mm

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A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



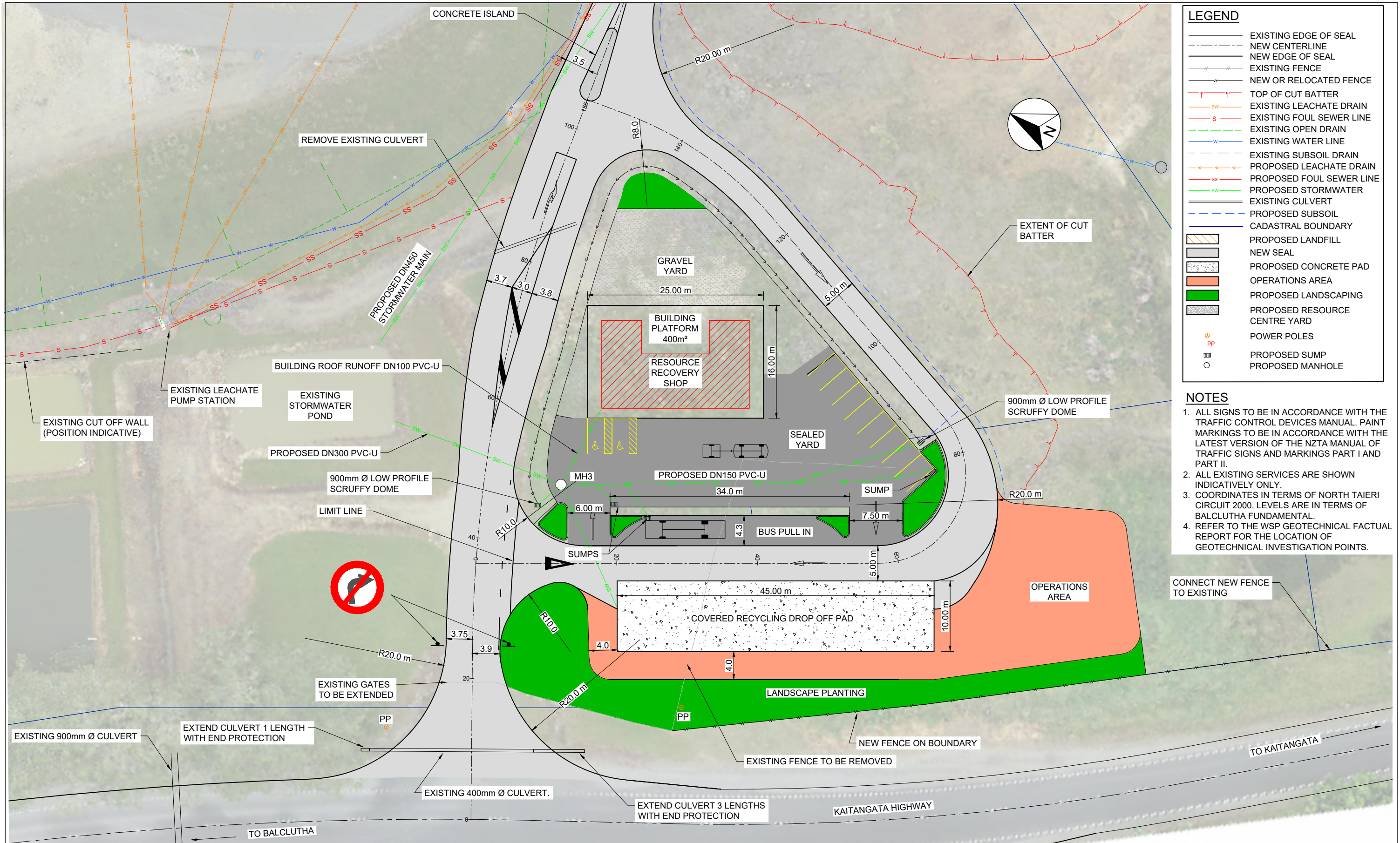
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Invercargill 9840
New Zealand

CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:400@ A1, 1:800@A3	J.L. BOYDE	CHRIS FOX	A1
DRAWN	DESIGN VERIFIED	APPROVED DATE	
J.L. BOYDE	ROWAN LATHAM	2023-04-06	
DRAWING VERIFIED			
CALLUM FEELY			

PRELIMINARY

PROJECT	TITLE	WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	TRANSFER STATION & RESOURCE RECOVERY CENTRE OVERALL SITE PLAN	6-CO082.00	C102	A



1:250@ A1
1:500@ A3

NOTE:
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A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023_04_06



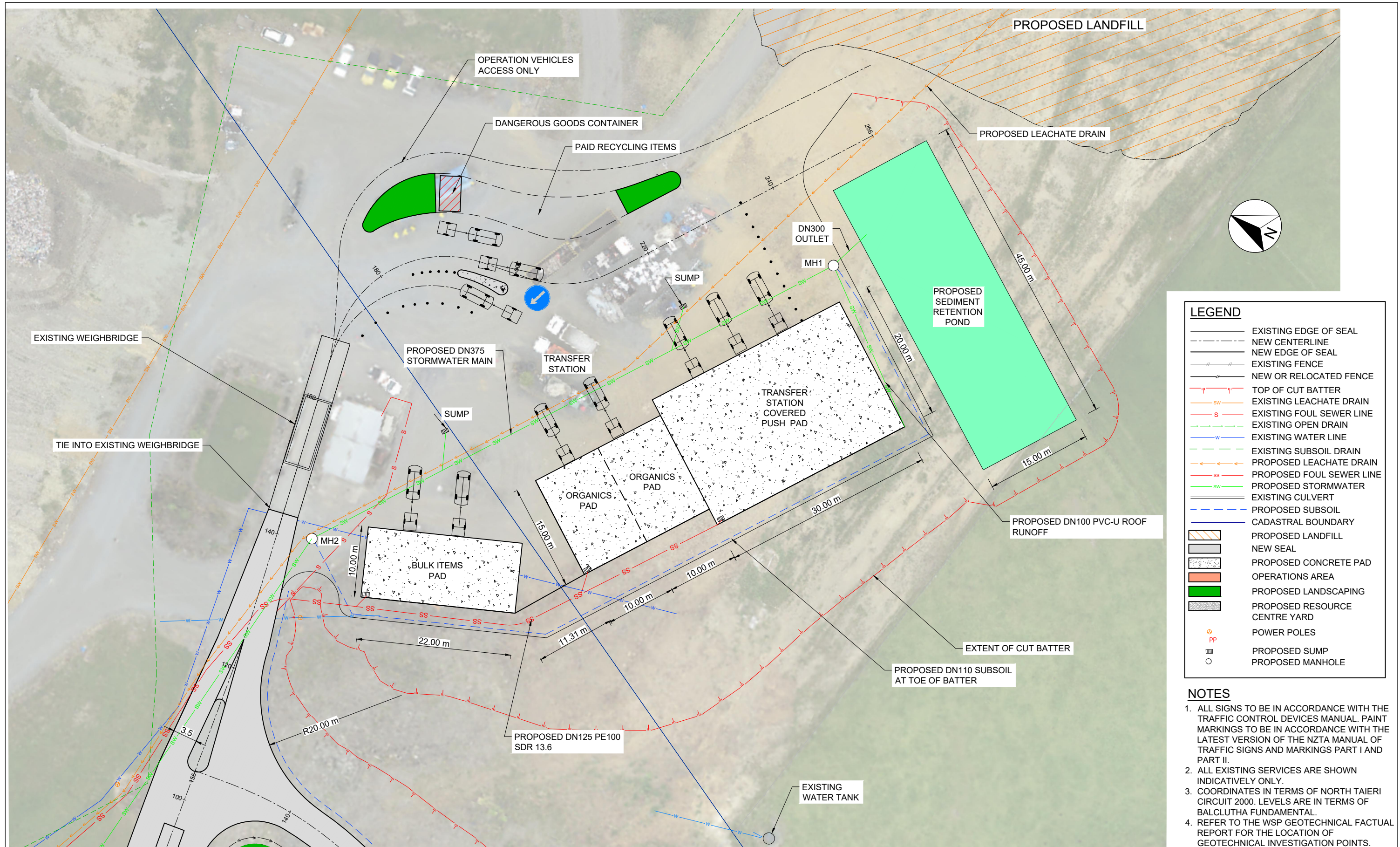
wsp
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+64 3 211 3580
PO Box 647
Invercargill 9840
New Zealand

CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:250@ A1, 1:500@A3	J. L. BOYDE	CHRIS FOX	A1
DRAWN	DESIGNED	APPROVED	
J.L. BOYDE	J. L. BOYDE	CHRIS FOX	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
CALLUM FEELY	ROWAN LATHAM	2023-04-06	

PRELIMINARY

PROJECT	TITLE	WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	RESOURCE RECOVERY CENTRE PLAN	6-CO082.00	C103	A



LEGEND

- EXISTING EDGE OF SEAL
- - - NEW CENTERLINE
- NEW EDGE OF SEAL
- - - EXISTING FENCE
- - - NEW OR RELOCATED FENCE
- - - TOP OF CUT BATTER
- - - EXISTING LEACHATE DRAIN
- - - EXISTING FOUL SEWER LINE
- - - EXISTING OPEN DRAIN
- - - EXISTING WATER LINE
- - - EXISTING SUBSOIL DRAIN
- - - PROPOSED LEACHATE DRAIN
- - - PROPOSED FOUL SEWER LINE
- - - PROPOSED STORMWATER
- - - EXISTING CULVERT
- - - PROPOSED SUBSOIL
- - - CADASTRAL BOUNDARY
- ▨ PROPOSED LANDFILL
- ▭ NEW SEAL
- ▭ PROPOSED CONCRETE PAD
- ▭ OPERATIONS AREA
- ▭ PROPOSED LANDSCAPING
- ▭ PROPOSED RESOURCE CENTRE YARD
- POWER POLES
- ⊙ PROPOSED SUMP
- PROPOSED MANHOLE

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1:250 @ A1
1:500 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C.FOX.	2023_04_06



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CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:250 @ A1, 1:500 @ A3	J.L. BOYDE	CHRIS FOX	A1
DRAWN	J.L. BOYDE	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	ROWAN LATHAM	2023-04-06	

PRELIMINARY

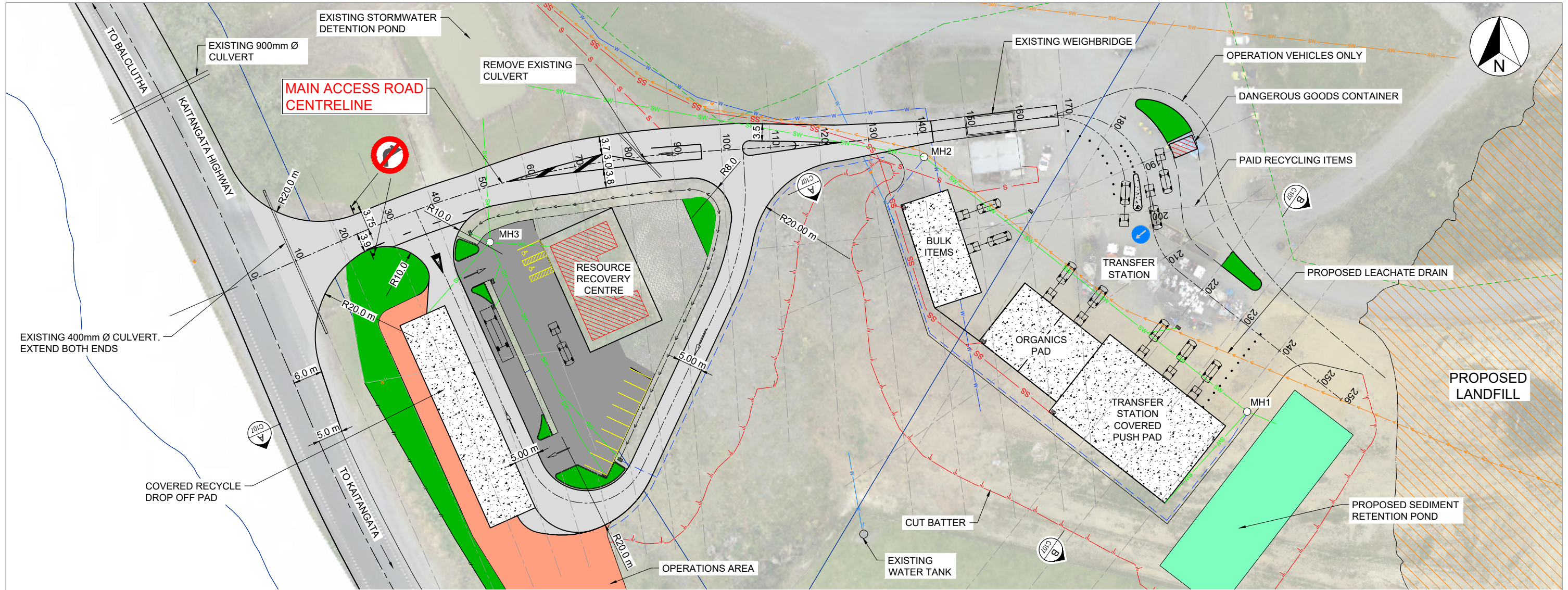
PROJECT
**CLUTHA DISTRICT COUNCIL
KAITANGATA HIGHWAY BALCLUTHA
MT COOEE LANDFILL DEVELOPMENT**

TITLE
**TRANSFER STATION
PLAN**

WSP PROJECT NO. (SUB-PROJECT)
6-CO082.00

SHEET NO.
C104

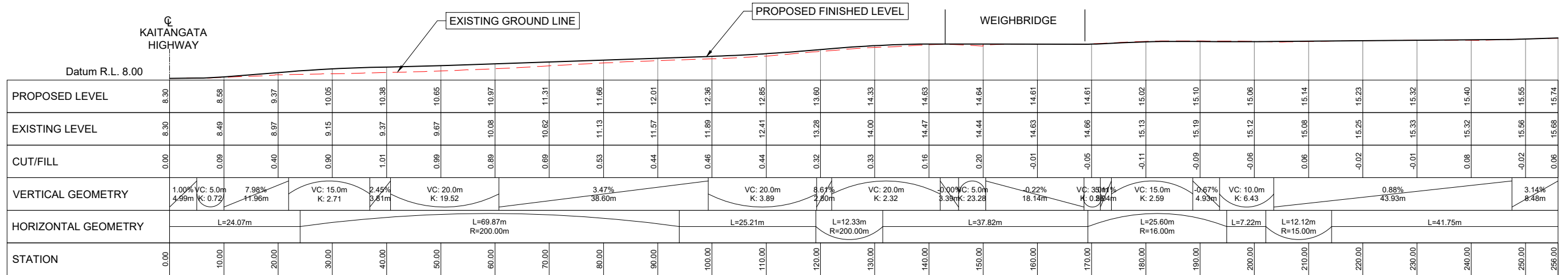
REVISION
A



MAIN ACCESS ROAD PLAN

SCALE: 1:400 @ A1
1:800 @ A3

300 mm
200
100
50
0 10 mm



PROFILE ALONG CENTRELINE OF MAIN ACCESS ROAD

SCALE: 1:400 @ A1
1:800 @ A3

1:1 @ A1
1:2 @ A3

NOTE:
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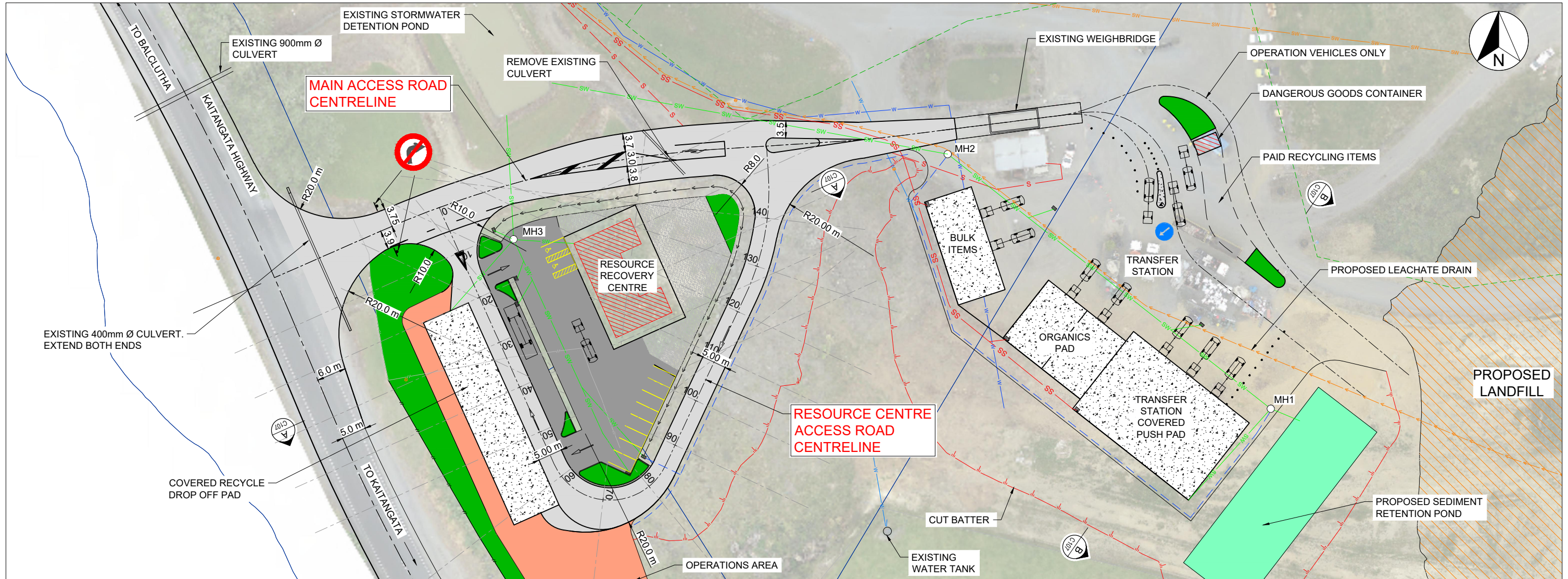
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Invercargill 9840
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
1:400@ A1, 1:800@A3		A1
DRAWN	DESIGNED	APPROVED
J. L. BOYDE	J. L. BOYDE	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	ROWAN LATHAM	2023-04-06

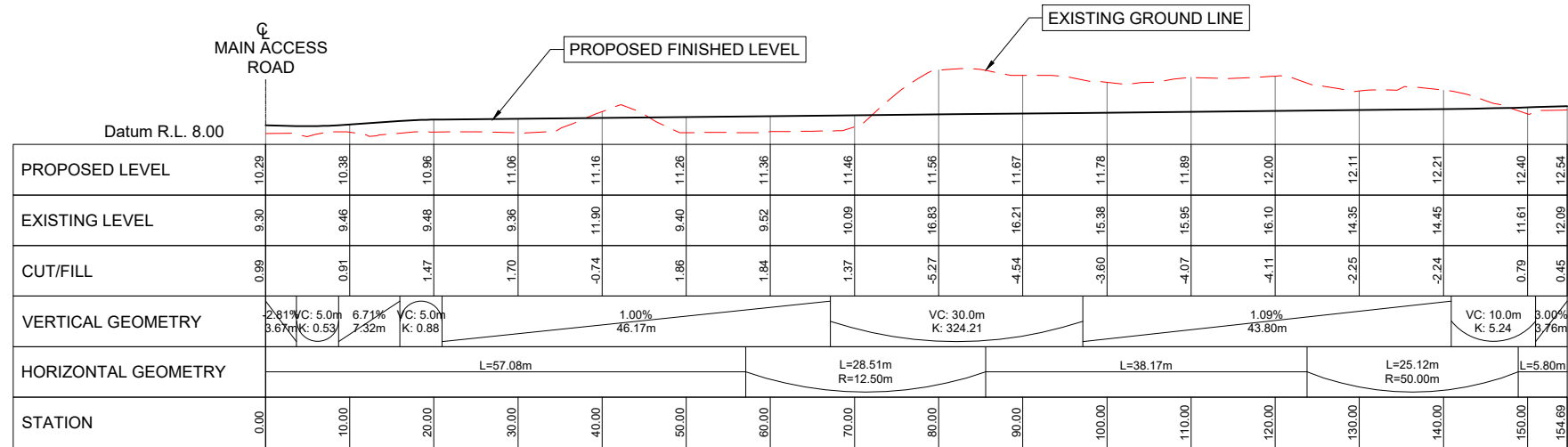
PRELIMINARY

PROJECT		SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT		C105	A
TITLE			
MAIN ACCESS ROAD PLAN AND PROFILE			
WSP PROJECT NO. (SUB-PROJECT)			
6-CO082.00			



RESOURCE RECOVERY CENTRE ACCESS ROAD PLAN

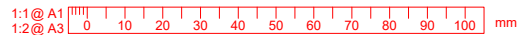
SCALE: 1:400 @ A1
1:800 @ A3



PROFILE ALONG CENTRELINE OF RESOURCE RECOVERY CENTRE ACCESS ROAD

SCALE: 1:400 @ A1
1:800 @ A3

NOTE:
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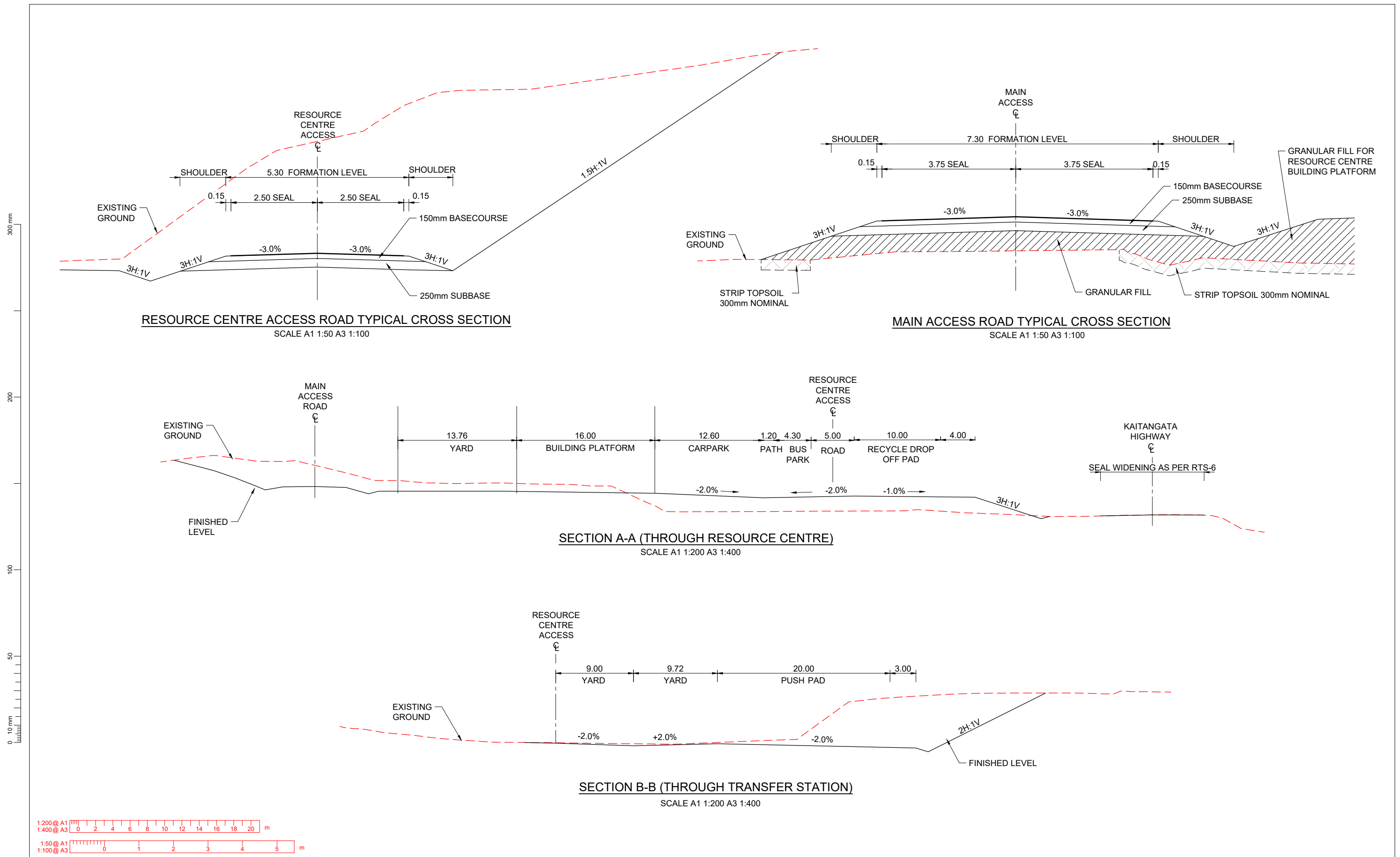
Invercargill Office
+64 3 211 3580

CIVIL

SCALES		ORIGINAL SIZE
1:400@ A1, 1:800@A3		A1
DRAWN	DESIGNED	APPROVED
J.L. BOYDE	J.L. BOYDE	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	ROWAN LATHAM	2023-04-06

PRELIMINARY

PROJECT		SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT		C106	A
TITLE			
RESOURCE RECOVERY CENTRE ACCESS ROAD PLAN AND PROFILE			
WSP PROJECT NO. (SUB-PROJECT)			
6-CO082.00			

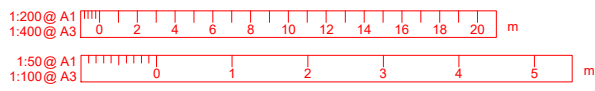


RESOURCE CENTRE ACCESS ROAD TYPICAL CROSS SECTION
SCALE A1 1:50 A3 1:100

MAIN ACCESS ROAD TYPICAL CROSS SECTION
SCALE A1 1:50 A3 1:100

SECTION A-A (THROUGH RESOURCE CENTRE)
SCALE A1 1:200 A3 1:400

SECTION B-B (THROUGH TRANSFER STATION)
SCALE A1 1:200 A3 1:400



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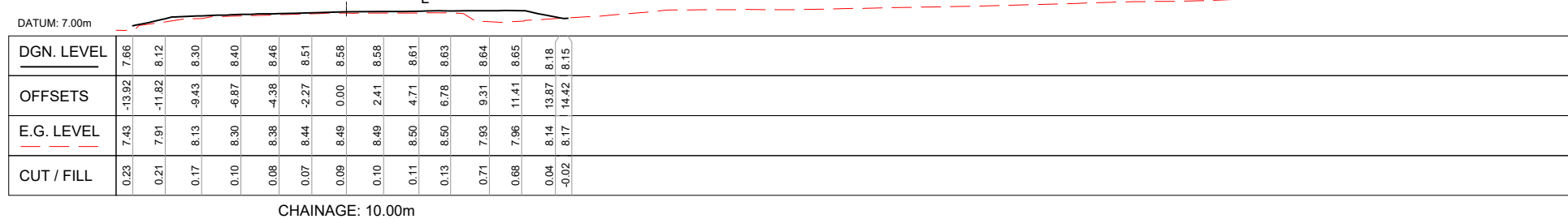
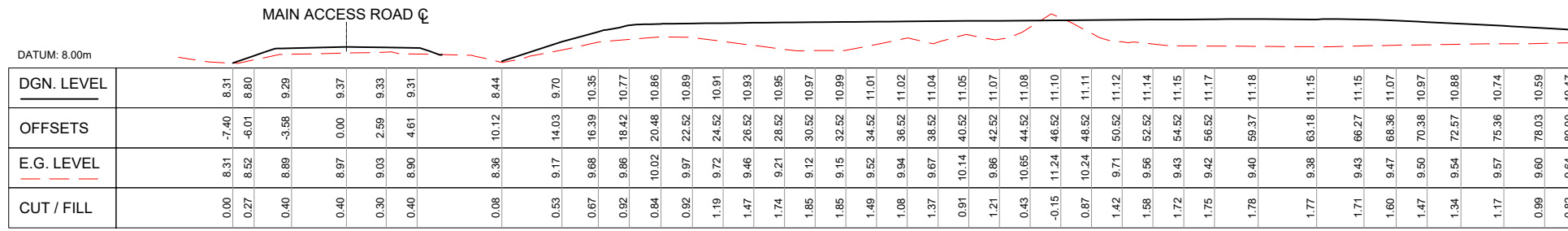
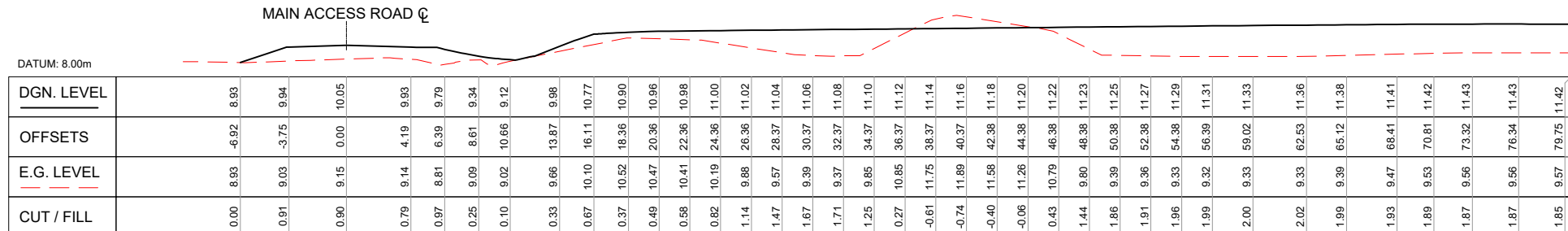
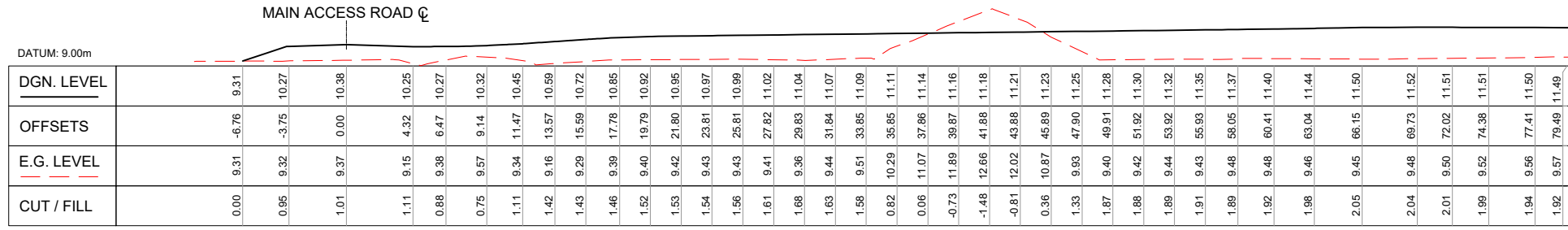
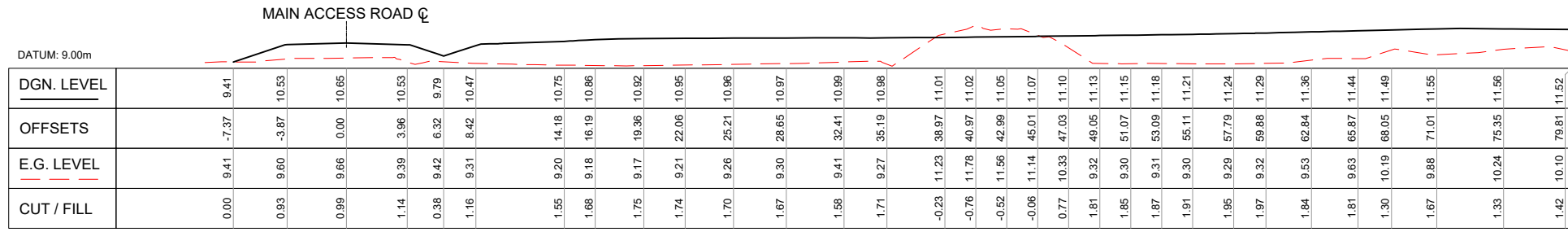
CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
AS SHOWN	J.L. BOYDE	CHRIS FOX	A1
DRAWN	J.L. BOYDE	CHRIS FOX	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
CALLUM FEELY	ROWAN LATHAM	2023-04-06	

PRELIMINARY

PROJECT	TITLE	SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	TYPICAL SECTIONS	C107	A
WSP PROJECT NO. (SUB-PROJECT)			
6-CO082.00			

300 mm
200
100
50
0 10 mm



1:200 @ A1
1:400 @ A3

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A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



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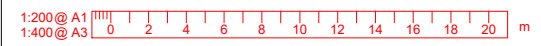
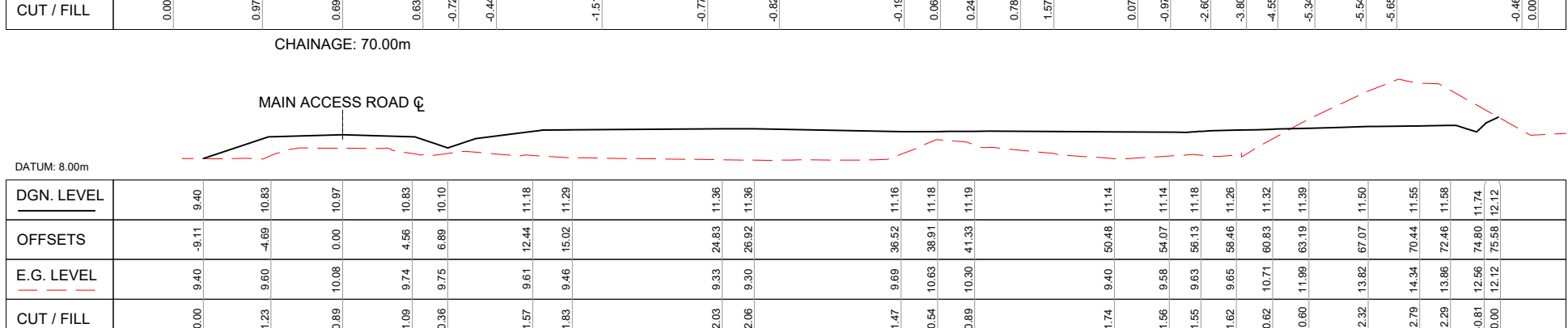
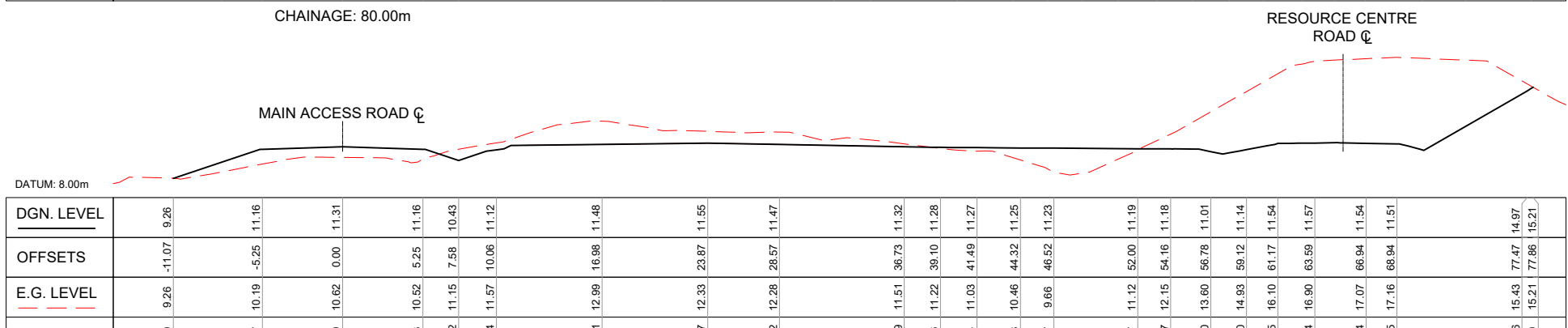
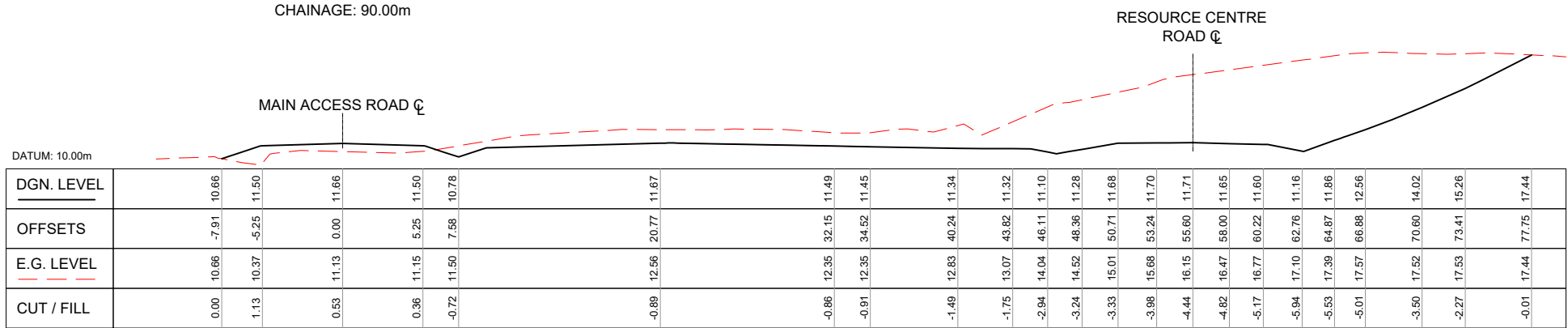
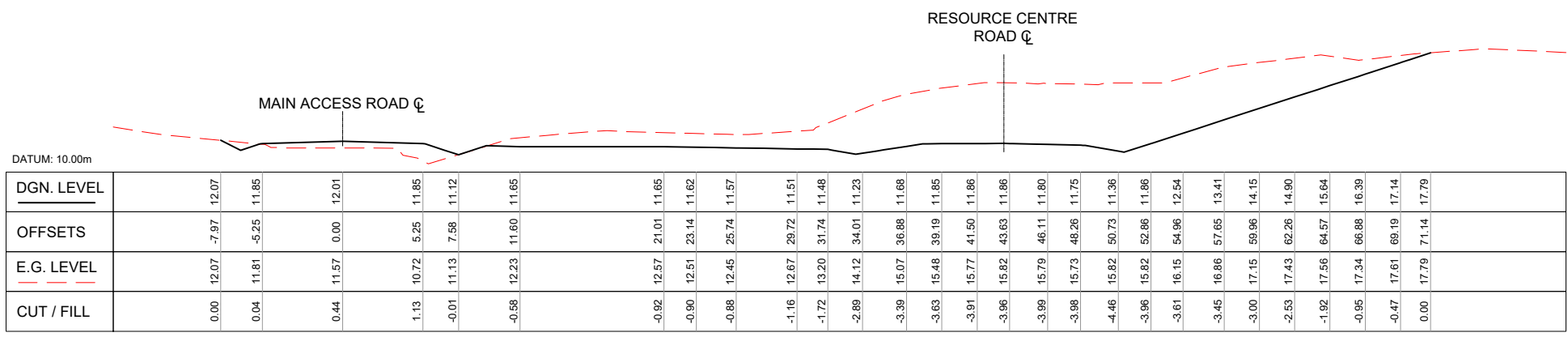
CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:200@A1, 1:400@A3	J.L. BOYDE	CHRIS FOX	A1
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
CALLUM FEELY	ROWAN LATHAM	2023-04-06	

PRELIMINARY

PROJECT	TITLE	WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	MAIN ROAD ACCESS CROSS SECTIONS 10.0 - 50.0	6-CO082.00	C108	A

300 mm
200
100
50
0 10 mm



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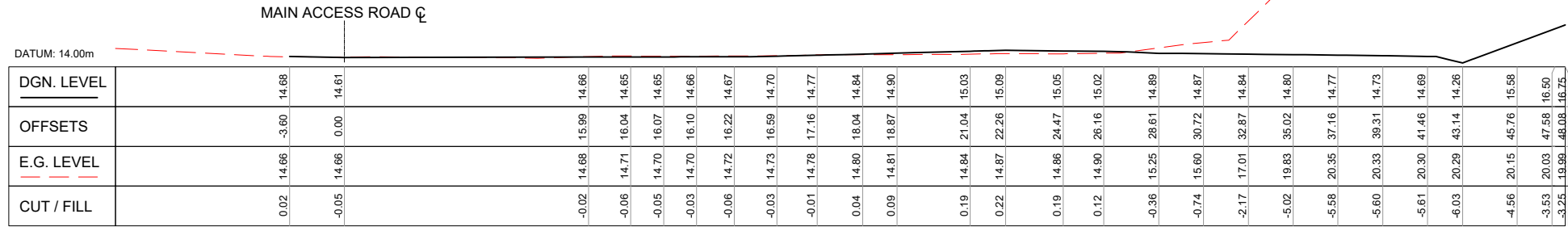
CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:200@A1, 1:400@A3	J.L. BOYDE	CHRIS FOX	A1

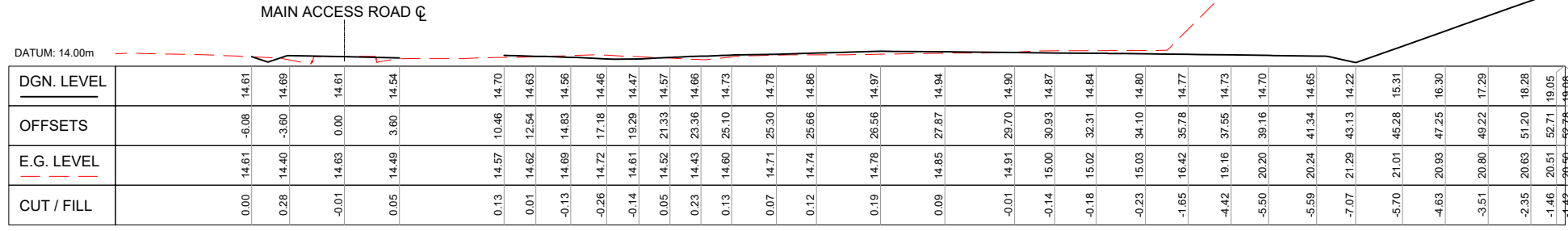
PRELIMINARY

PROJECT	TITLE	SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	MAIN ROAD ACCESS CROSS SECTIONS 60.0 - 90.0	C109	A
WSP PROJECT NO. (SUB-PROJECT) 6-CO082.00			

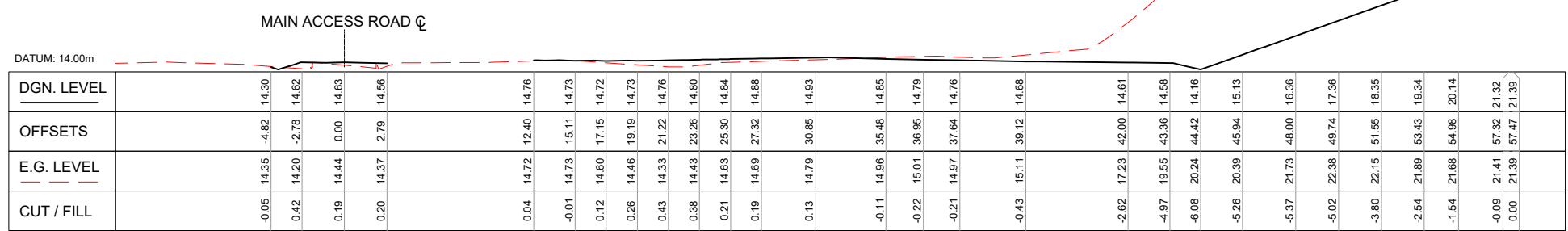
300 mm
200
100
50
0 10 mm



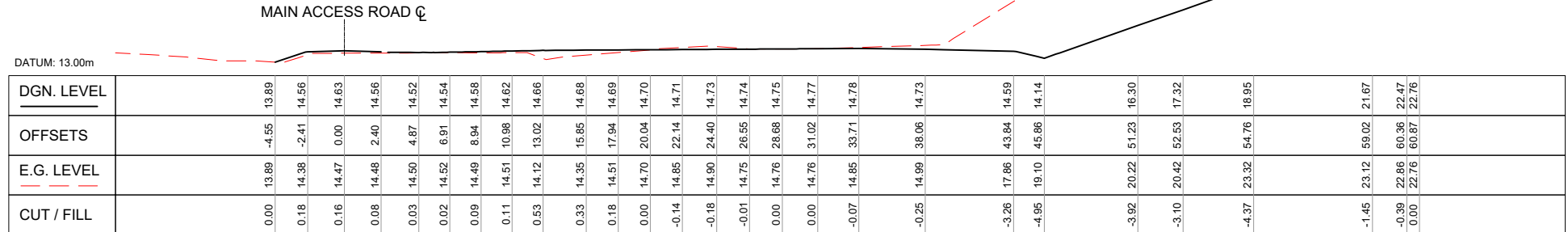
CHAINAGE: 170.00m



CHAINAGE: 160.00m



CHAINAGE: 150.00m



CHAINAGE: 140.00m



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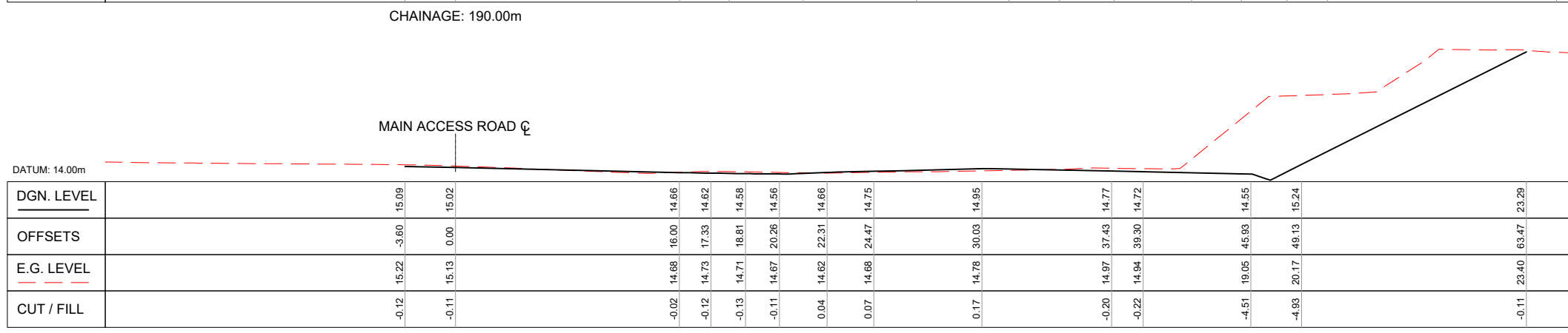
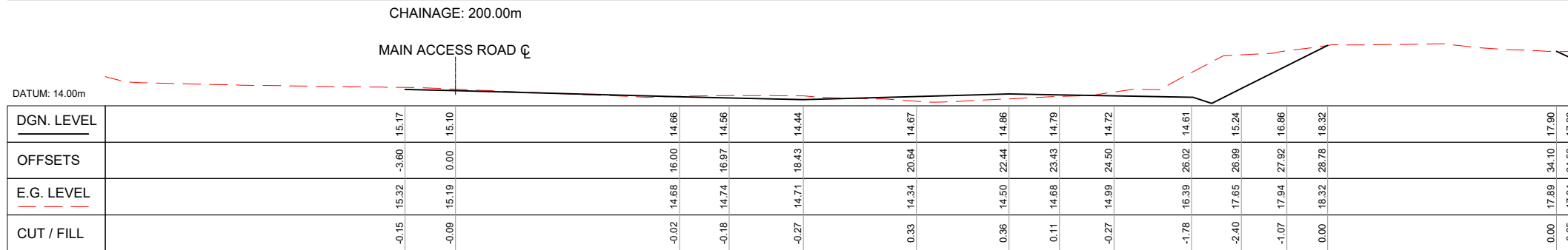
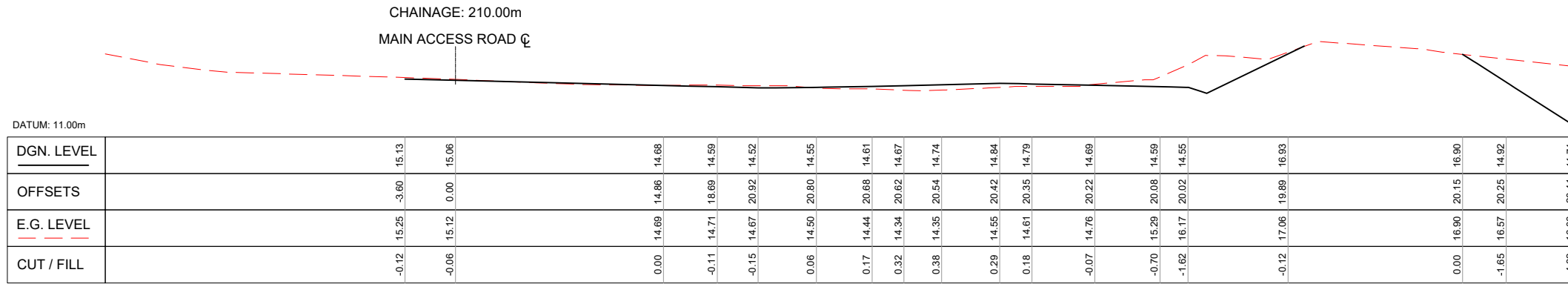
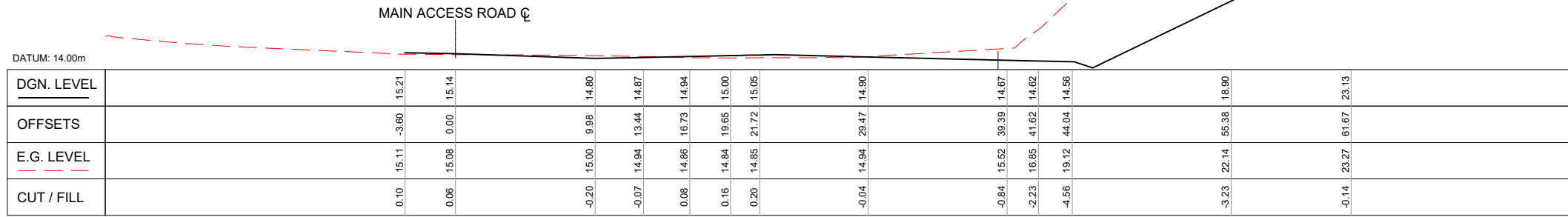
CIVIL

SCALES		ORIGINAL SIZE
1:200@ A1, 1:400@A3		A1
DRAWN	DESIGNED	APPROVED
J.L. BOYDE	J.L. BOYDE	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	ROWAN LATHAM	2023-04-06

PRELIMINARY

PROJECT	
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	
TITLE	
MAIN ROAD ACCESS CROSS SECTIONS 140.0 - 170.0	
WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.
6-CO082.00	C111
REVISION	
A	

300 mm
200
100
50
0 10 mm



1:200 @ A1
1:400 @ A3

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New Zealand

CIVIL

SCALES
1:200 @ A1, 1:400 @ A3

ORIGINAL SIZE
A1

DRAWN	DESIGNED	APPROVED
J.L. BOYDE	J.L. BOYDE	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	ROWAN LATHAM	2023-04-06

PRELIMINARY

PROJECT
CLUTHA DISTRICT COUNCIL
KAITANGATA HIGHWAY BALCLUTHA
MT COOEE LANDFILL DEVELOPMENT

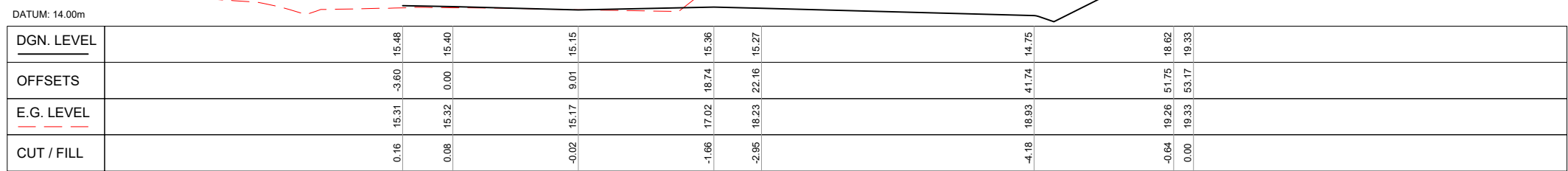
TITLE
MAIN ROAD ACCESS
CROSS SECTIONS 180.0 - 210.0

WSP PROJECT NO. (SUB-PROJECT)
6-CO082.00

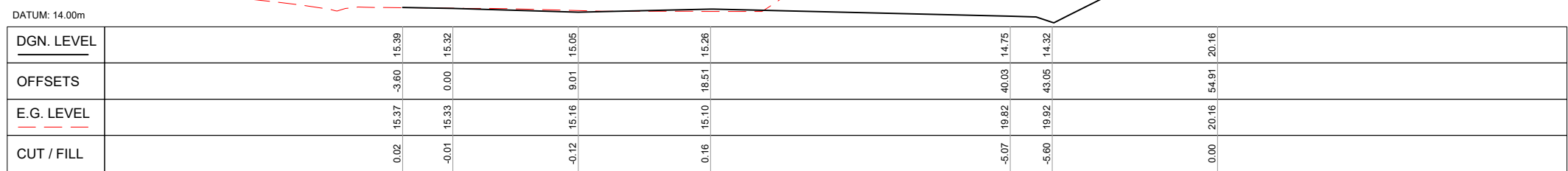
SHEET NO.
C112

REVISION
A

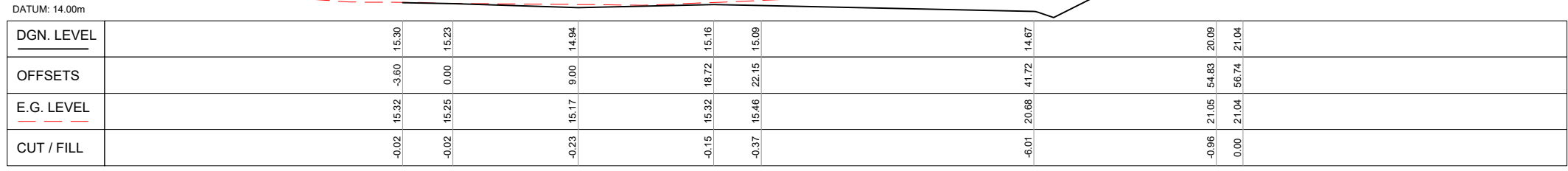
300 mm
200
100
50
0 10 mm



CHAINAGE: 240.00m



CHAINAGE: 230.00m



CHAINAGE: 220.00m

1:200@ A1
1:400@ A3

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



wsp
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New Zealand

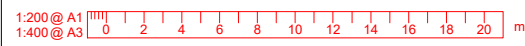
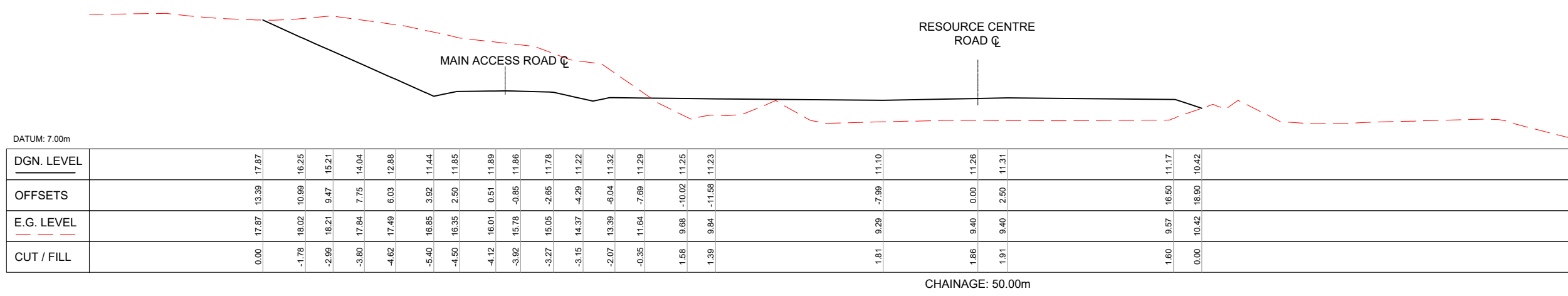
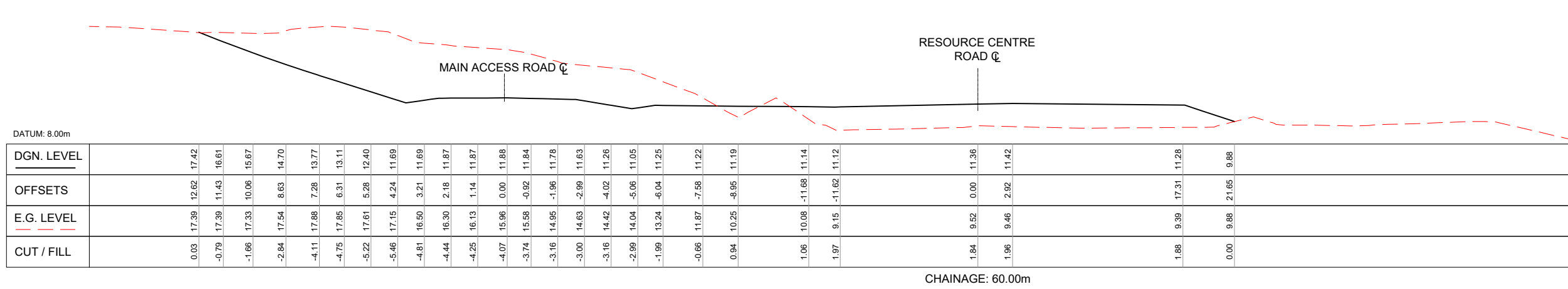
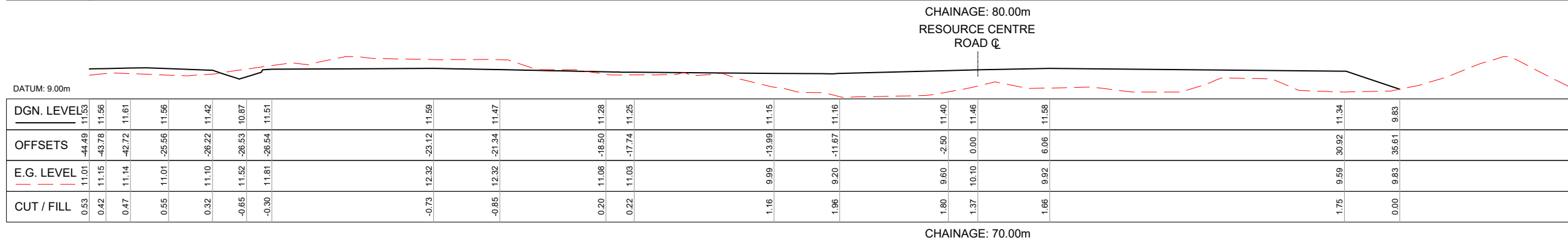
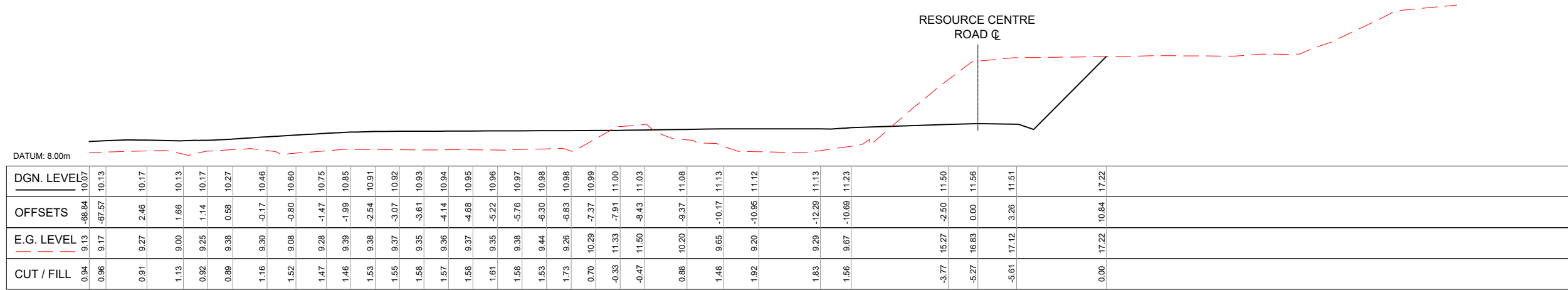
CIVIL

SCALES		ORIGINAL SIZE
1:200@ A1, 1:400@A3		A1
DRAWN	DESIGNED	APPROVED
J.L. BOYDE	J.L. BOYDE	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	ROWAN LATHAM	2023-04-06

PRELIMINARY

PROJECT	
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	
TITLE	
MAIN ROAD ACCESS CROSS SECTIONS 220.0 - 240.0	
WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.
6-CO082.00	C113
REVISION	
A	

300 mm
200
100
50
0 10 mm



REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



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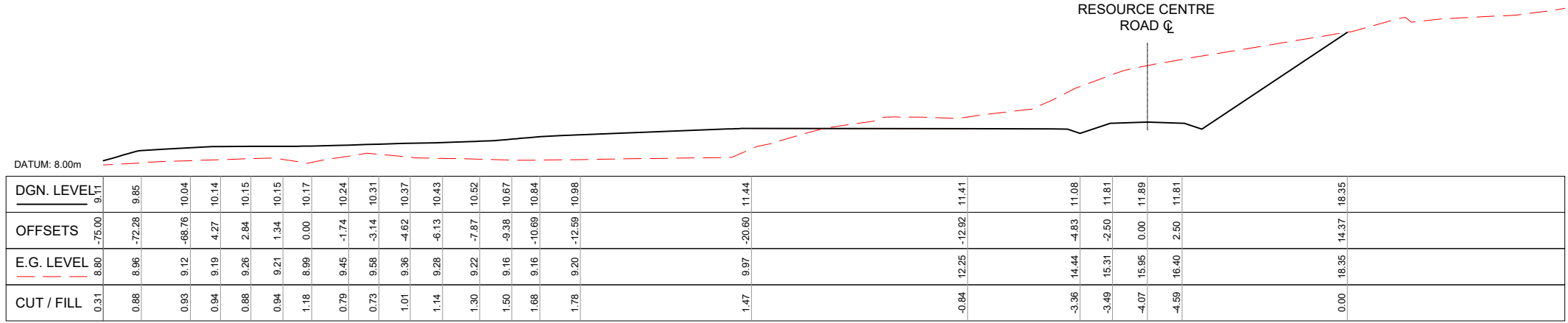
CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:200@A1, 1:400@A3	J.L. BOYDE	CHRIS FOX	A1
DRAWN	J.L. BOYDE	APPROVED DATE	
J.L. BOYDE	ROWAN LATHAM	2023-04-06	
DRAWING VERIFIED	DESIGN VERIFIED		
CALLUM FEELY	ROWAN LATHAM		

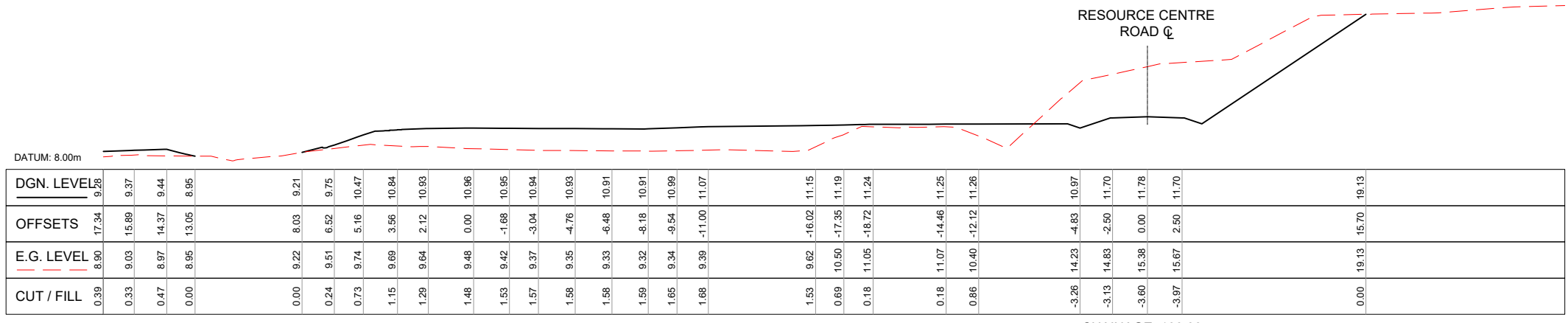
PRELIMINARY

PROJECT	TITLE	WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT	RESOURCE CENTRE ACCESS CROSS SECTIONS 50.0 - 80.0	6-CO082.00	C115	A

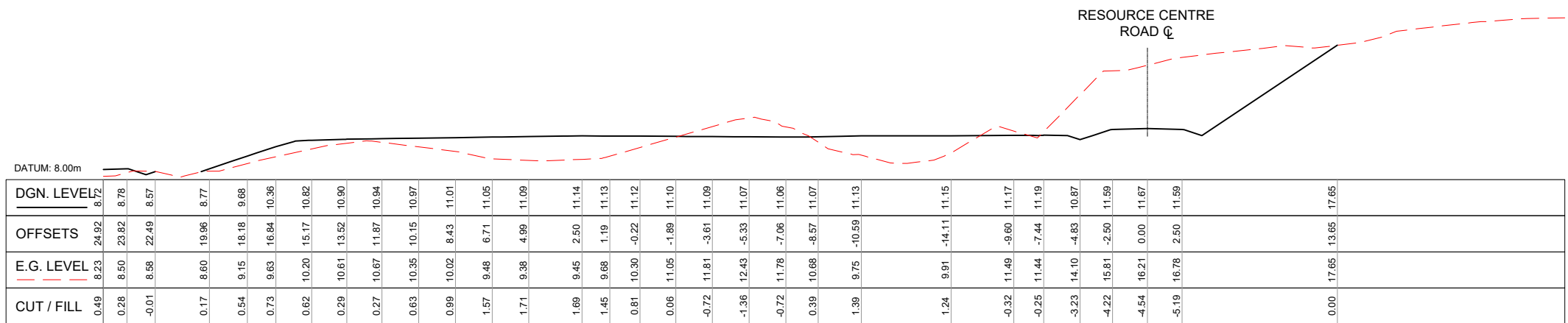
300 mm
200
100
50
0 10 mm



CHAINAGE: 110.00m



CHAINAGE: 100.00m



CHAINAGE: 90.00m



REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



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Invercargill 9840
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
1:200@ A1, 1:400@A3		A1
DRAWN	DESIGNED	APPROVED
J.L. BOYDE	J.L. BOYDE	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	ROWAN LATHAM	2023-04-06

PRELIMINARY

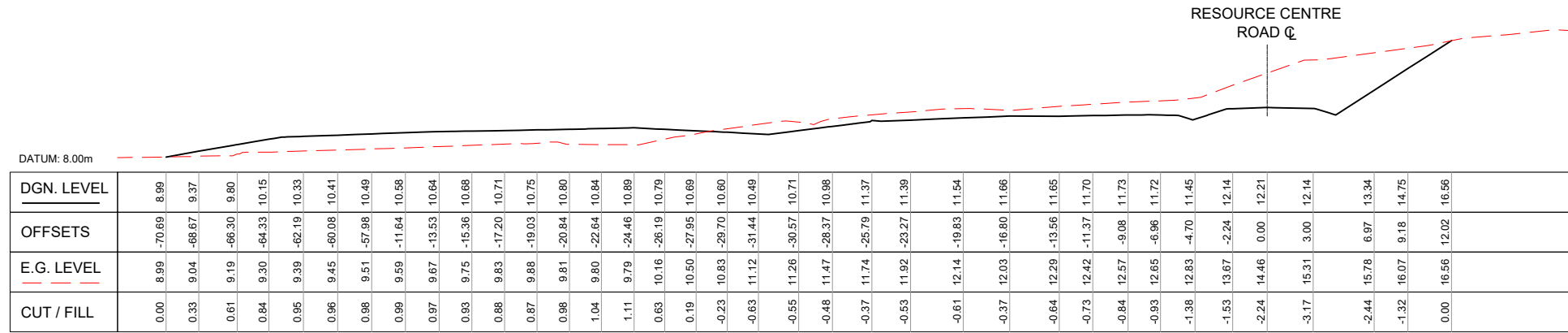
PROJECT
**CLUTHA DISTRICT COUNCIL
KAITANGATA HIGHWAY BALCLUTHA
MT COOEE LANDFILL DEVELOPMENT**

TITLE
**RESOURCE CENTRE ACCESS
CROSS SECTIONS 90.0 - 110.0**

WSP PROJECT NO. (SUB-PROJECT)
6-CO082.00

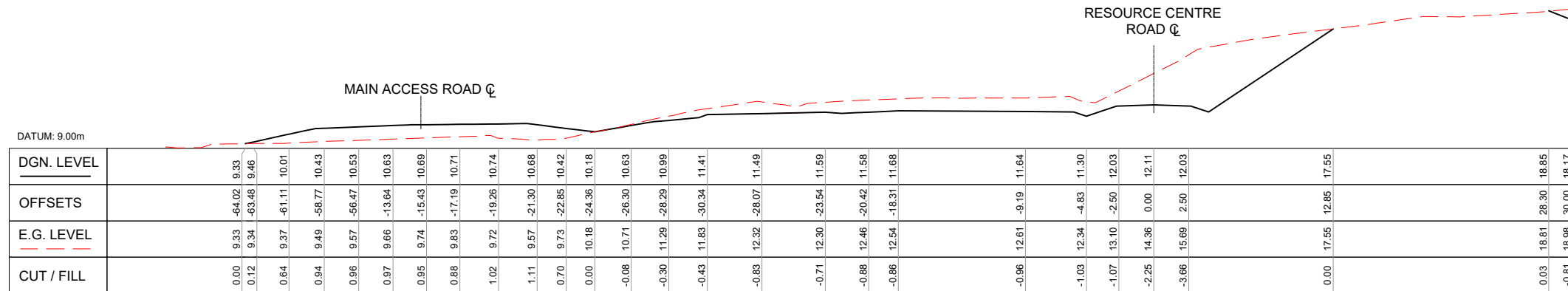
SHEET NO. **C116** REVISION **A**

300 mm
200
100
50
0 10 mm



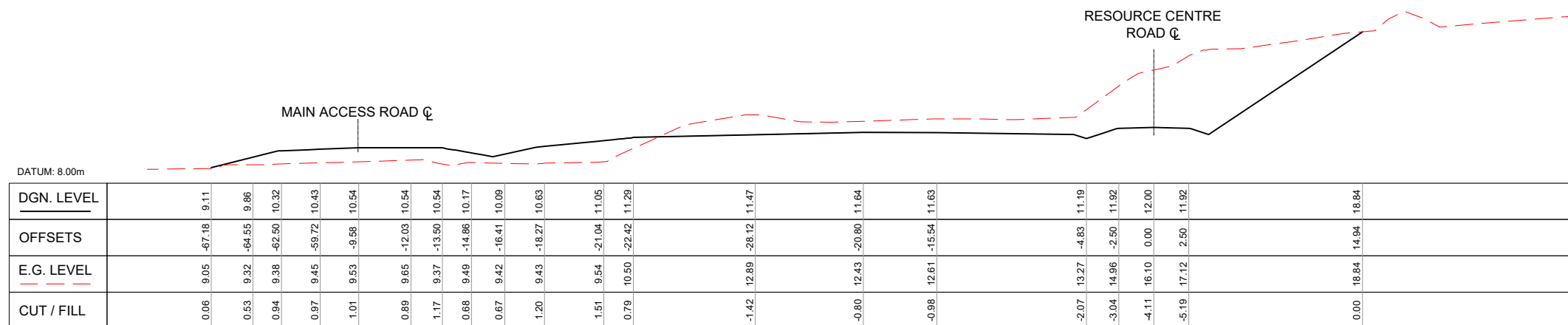
DGN. LEVEL	OFFSETS	E.G. LEVEL	CUT / FILL
8.99	-70.69	8.99	0.00
9.37	-68.67	9.37	0.33
9.80	-66.30	9.80	0.61
10.15	-64.33	10.15	0.84
10.33	-62.19	10.33	0.95
10.41	-60.08	10.41	0.96
10.49	-57.98	10.49	0.98
10.58	-11.64	10.58	0.98
10.64	-13.53	10.64	0.97
10.68	-15.36	10.68	0.93
10.71	-17.20	10.71	0.88
10.75	-19.03	10.75	0.87
10.80	-20.84	10.80	0.98
10.84	-22.64	10.84	1.04
10.89	-24.46	10.89	1.11
10.79	-26.19	10.79	0.63
10.69	-27.95	10.69	0.19
10.60	-29.70	10.60	-0.23
10.49	-31.44	10.49	-0.63
10.71	-30.57	10.71	-0.55
10.98	-28.37	10.98	-0.48
11.37	-25.79	11.37	-0.37
11.39	-23.27	11.39	-0.53
11.54	-19.83	11.54	-0.61
11.66	-16.80	11.66	-0.37
11.65	-13.56	11.65	-0.64
11.70	-11.37	11.70	-0.73
11.73	-9.08	11.73	-0.84
11.72	-6.96	11.72	-0.93
11.45	-4.70	11.45	-1.38
12.14	-2.24	12.14	-1.53
12.21	0.00	12.21	-2.24
12.14	3.00	12.14	-3.17
13.34	6.97	13.34	-2.44
14.75	9.18	14.75	-1.32
16.56	12.02	16.56	0.00

CHAINAGE: 140.00m



DGN. LEVEL	OFFSETS	E.G. LEVEL	CUT / FILL
9.33	-64.02	9.33	0.00
9.46	-63.48	9.46	0.12
10.01	-61.11	10.01	0.64
10.43	-58.77	10.43	0.94
10.53	-56.47	10.53	0.96
10.63	-13.64	10.63	0.97
10.69	-15.43	10.69	0.95
10.71	-17.19	10.71	0.88
10.74	-19.26	10.74	1.02
10.68	-21.30	10.68	1.11
10.42	-22.85	10.42	0.70
10.18	-24.36	10.18	0.00
10.63	-26.30	10.63	-0.08
10.99	-28.29	10.99	-0.30
11.41	-30.34	11.41	-0.43
11.49	-28.07	11.49	-0.83
11.59	-23.54	11.59	-0.71
11.58	-20.42	11.58	-0.88
11.68	-18.31	11.68	-0.86
11.64	-9.19	11.64	-0.96
11.30	-4.83	11.30	-1.03
12.03	-2.50	12.03	-1.07
12.11	0.00	12.11	-2.25
12.03	2.50	12.03	-3.66
17.55	12.85	17.55	0.00
18.85	26.30	18.85	0.03
18.17	30.00	18.17	-0.81

CHAINAGE: 130.00m



DGN. LEVEL	OFFSETS	E.G. LEVEL	CUT / FILL
9.11	-67.18	9.11	0.06
9.86	-64.55	9.86	0.53
10.32	-62.50	10.32	0.94
10.43	-59.72	10.43	0.97
10.54	-9.58	10.54	1.01
10.54	-12.03	10.54	0.89
10.54	-13.50	10.54	1.17
10.17	-14.86	10.17	0.68
10.09	-16.41	10.09	0.67
10.63	-18.27	10.63	1.20
11.05	-21.04	11.05	1.51
11.29	-22.42	11.29	0.79
11.47	-28.12	11.47	-1.42
11.64	-20.80	11.64	-0.80
11.63	-15.54	11.63	-0.98
11.19	-4.83	11.19	-2.07
11.92	-2.50	11.92	-3.04
12.00	0.00	12.00	-4.11
11.92	2.50	11.92	-5.19
18.84	14.94	18.84	0.00

CHAINAGE: 120.00m

1:200@A1
1:400@A3

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



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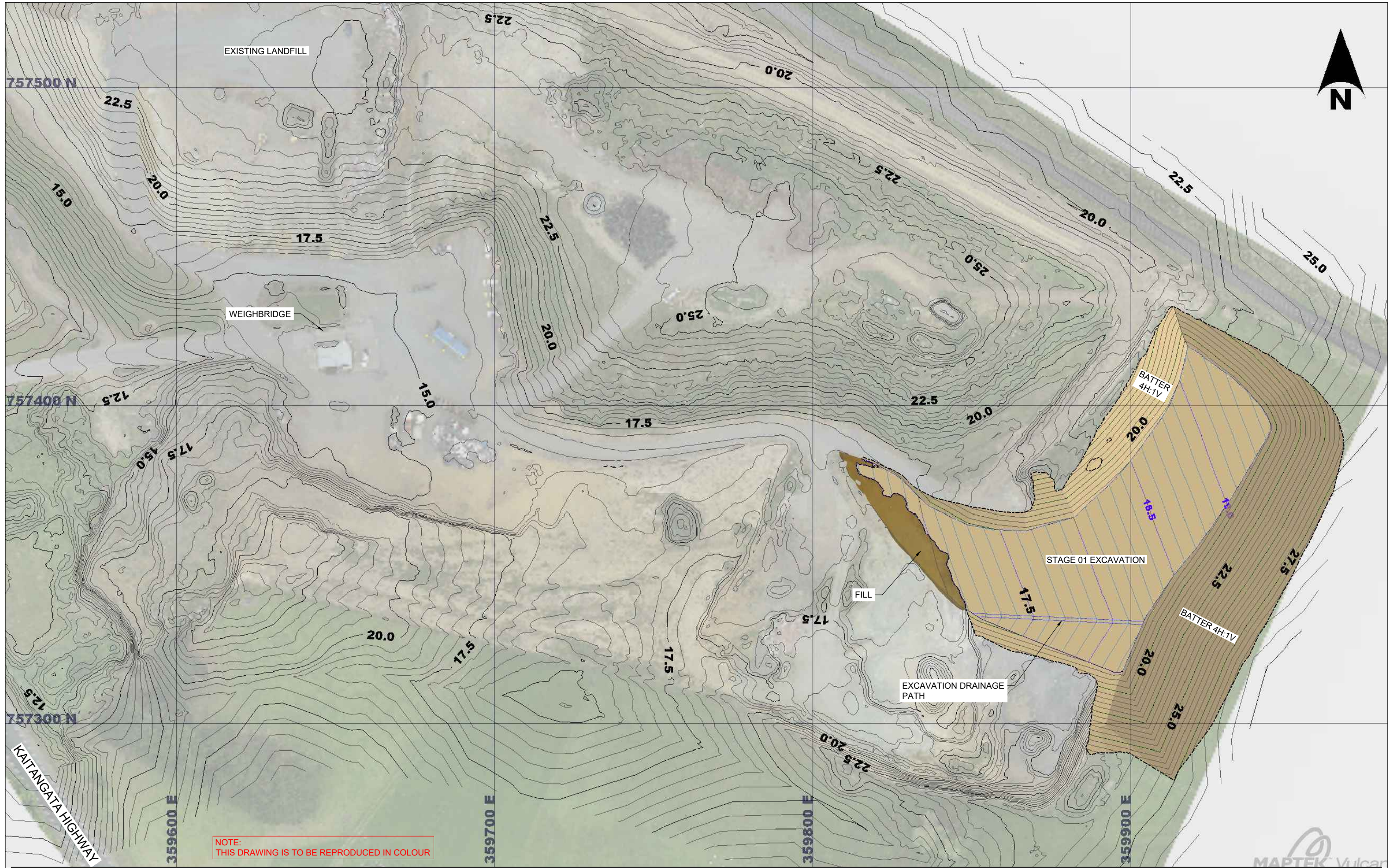
CIVIL

SCALES	DESIGNED	APPROVED
1:200@A1, 1:400@A3	J.L. BOYDE	CHRIS FOX
ORIGINAL SIZE	DESIGN VERIFIED	APPROVED DATE
A1	ROWAN LATHAM	2023-04-06

PRELIMINARY

PROJECT
CLUTHA DISTRICT COUNCIL
KAITANGATA HIGHWAY BALCLUTHA
MT COOEE LANDFILL DEVELOPMENT
TITLE
RESOURCE CENTRE ACCESS
CROSS SECTIONS 120.0 - 140.0
WSP PROJECT NO. (SUB-PROJECT)
6-CO082.00

SHEET NO. C117
REVISION A



NOTE:
THIS DRAWING IS TO BE REPRODUCED IN COLOUR

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



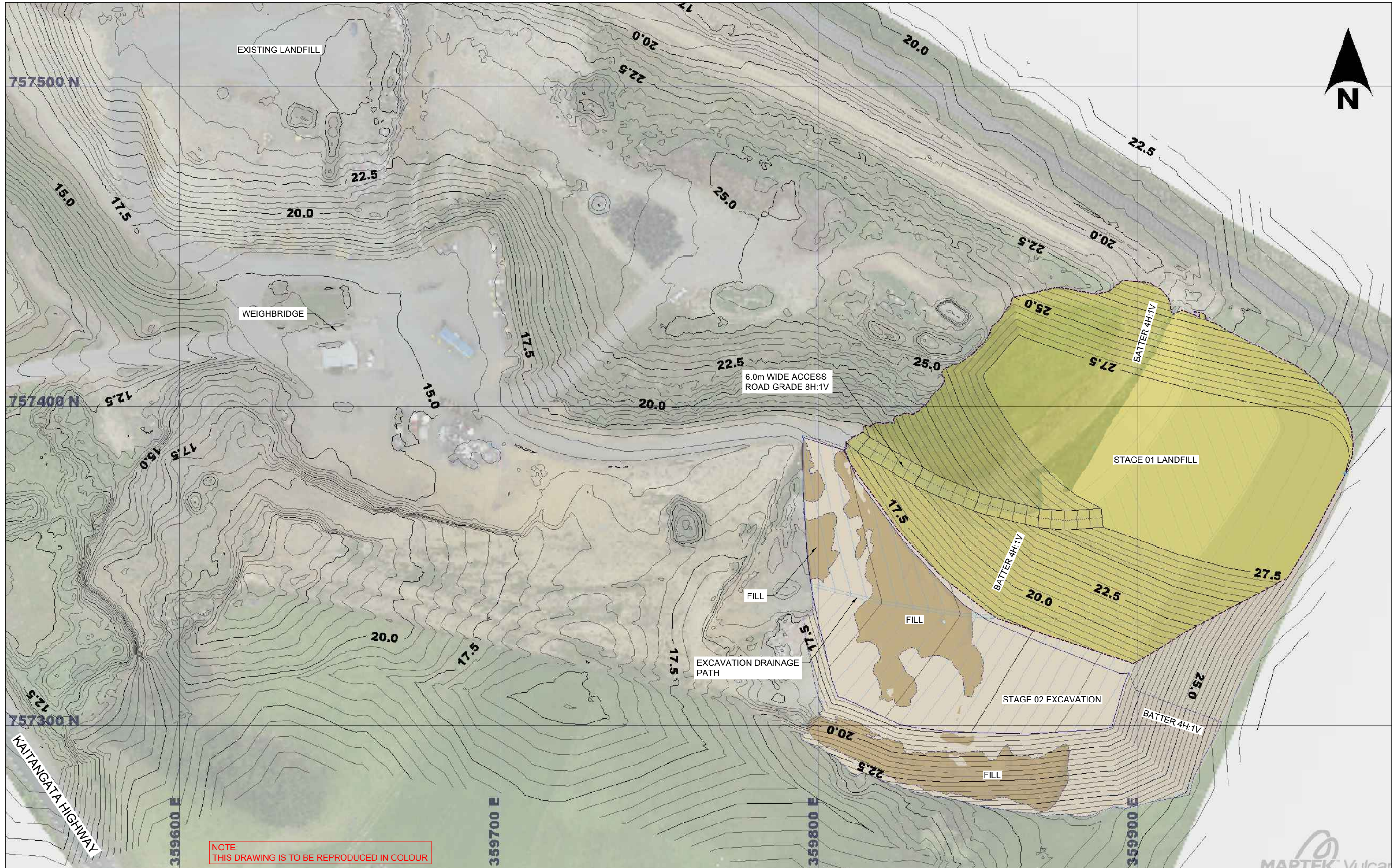
wsp
Invercargill Office
+64 3 211 3580
PO Box 647
Invercargill 9840
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
N.T.S		A1
DRAWN	DESIGNED	APPROVED
R.GOLDSMITH	R.GOLDSMITH	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	PETER ASKEY	2023-04-06

PRELIMINARY

PROJECT	CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT
TITLE	LANDFILL EXPANSION STAGE 01 FLOOR DESIGN
WSP PROJECT NO. (SUB-PROJECT)	6-CO082.00
SHEET NO.	C200
REVISION	A



300 mm
200
100
50
0 10 mm
millimetre



REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06

NOTE:
THIS DRAWING IS TO BE REPRODUCED IN COLOUR



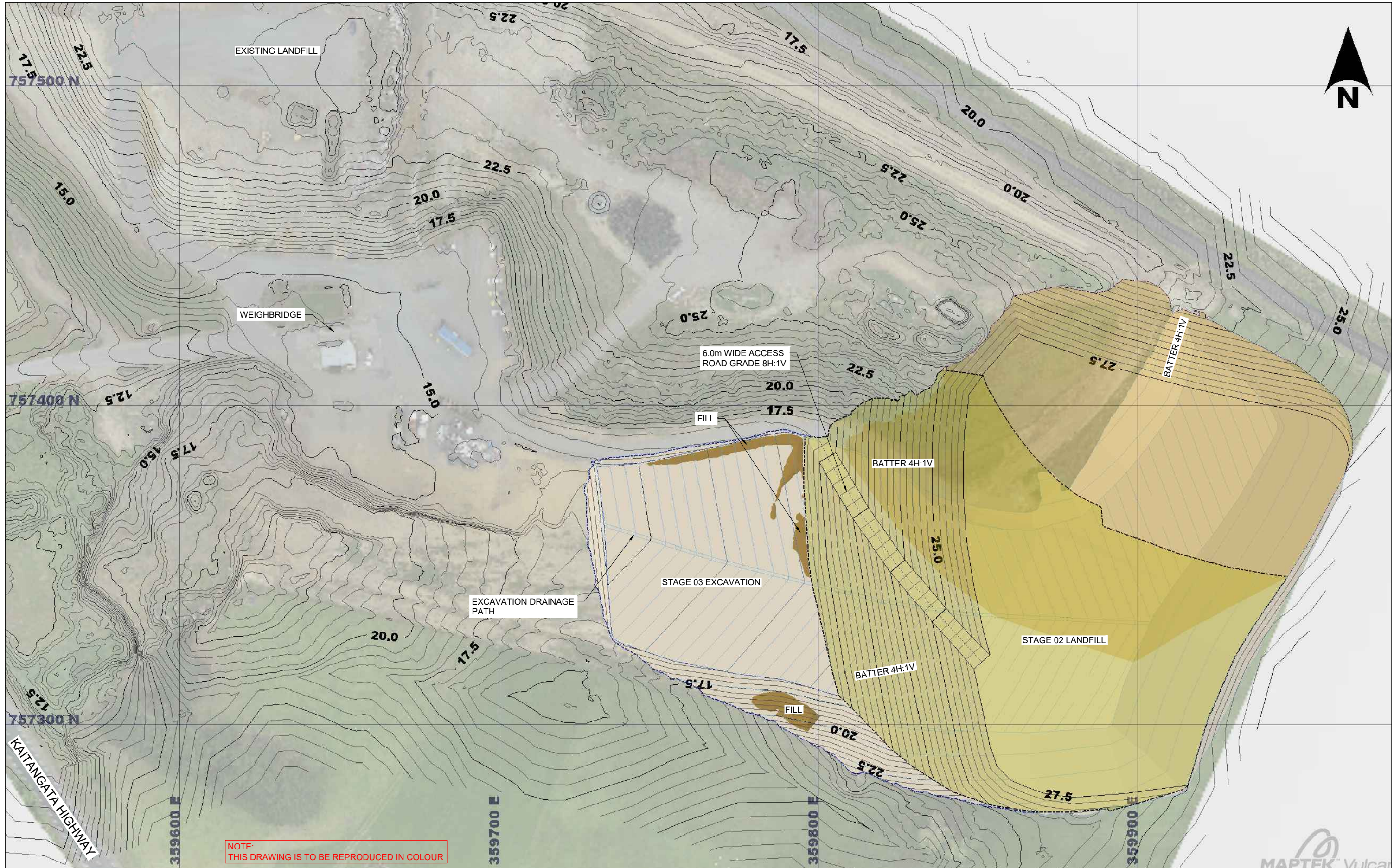
wsp
Invercargill Office
+64 3 211 3580
PO Box 647
Invercargill 9840
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
N.T.S		A1
DRAWN	DESIGNED	APPROVED
R.GOLDSMITH	R.GOLDSMITH	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	PETER ASKEY	2023-04-06

PRELIMINARY

PROJECT		SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT		C201	A
TITLE		WSP PROJECT NO. (SUB-PROJECT)	
LANDFILL EXPANSION LANDFILL STAGE 01 AND EXCAVATION STAGE 02		6-CO082.00	



NOTE:
THIS DRAWING IS TO BE REPRODUCED IN COLOUR

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



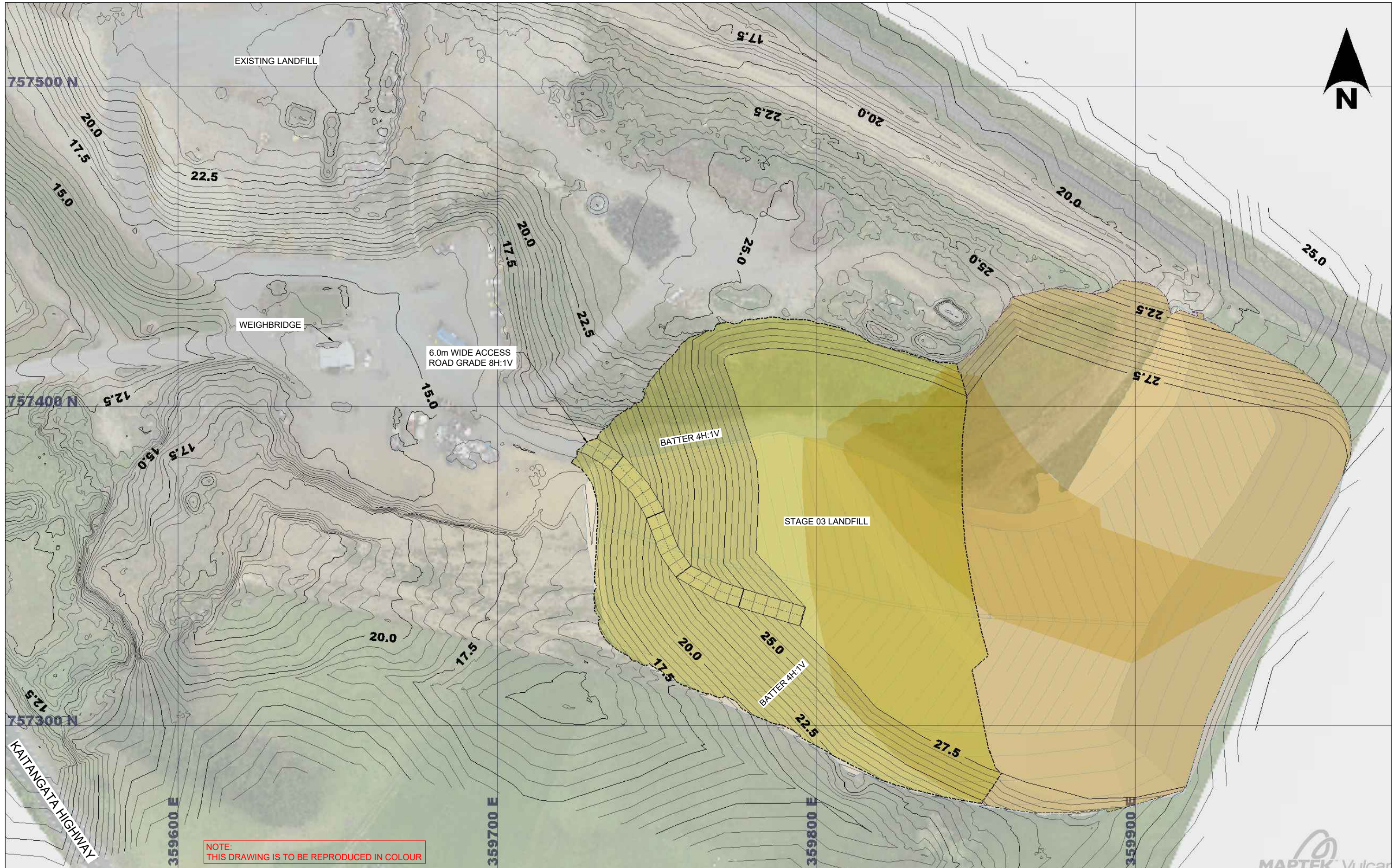
wsp
Invercargill Office
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PO Box 647
Invercargill 9840
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
N.T.S		A1
DRAWN	DESIGNED	APPROVED
R.GOLDSMITH	R.GOLDSMITH	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	PETER ASKEY	2023-04-06

PRELIMINARY

PROJECT		SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT		C202	A
TITLE			
LANDFILL EXPANSION LANDFILL STAGE 02 AND EXCAVATION STAGE 03			
WSP PROJECT NO. (SUB-PROJECT)			
6-CO082.00			



NOTE:
THIS DRAWING IS TO BE REPRODUCED IN COLOUR

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



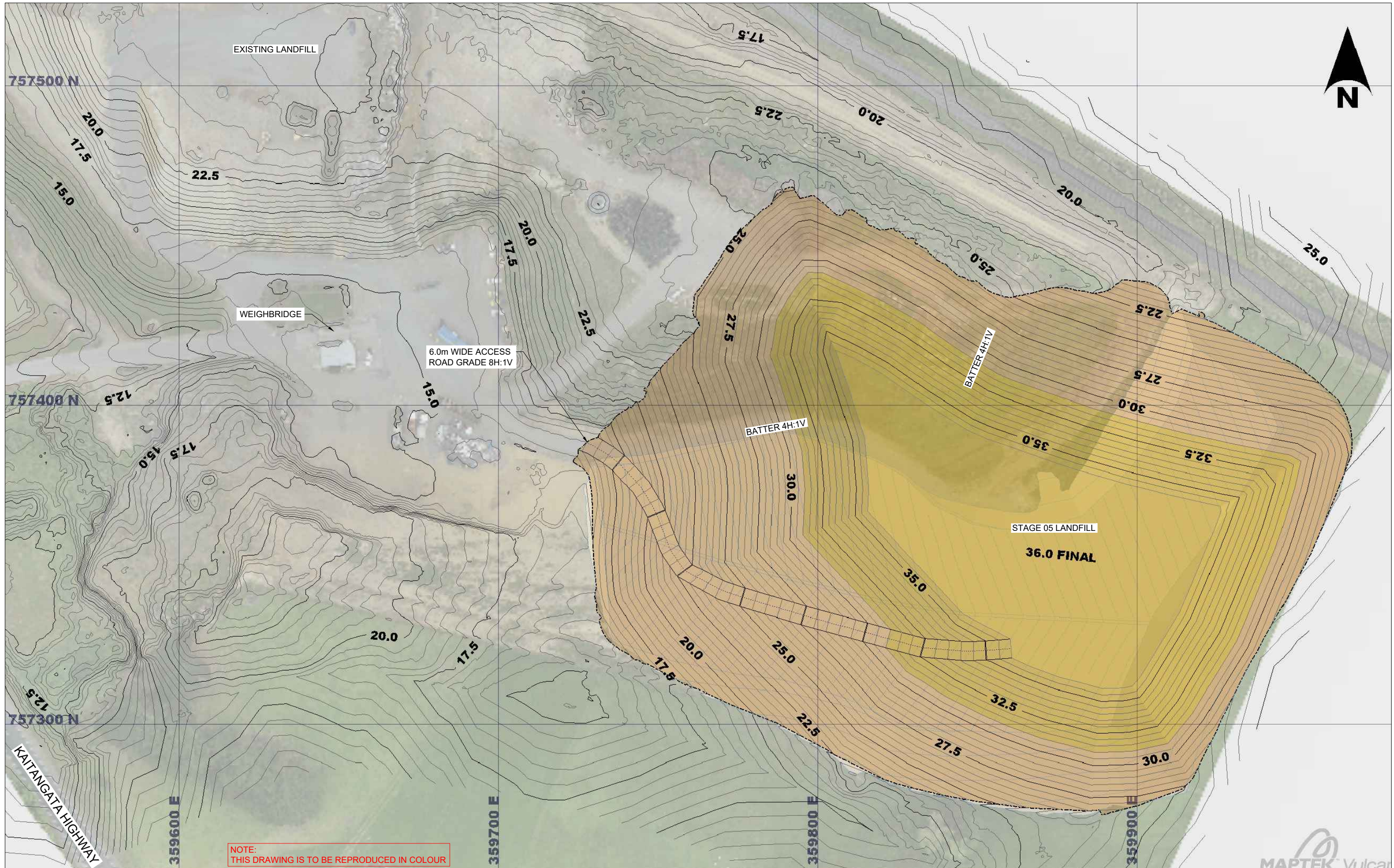
Invercargill Office
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PO Box 647
Invercargill 9840
New Zealand

CIVIL

SCALES	ORIGINAL SIZE	
N.T.S	A1	
DRAWN	DESIGNED	APPROVED
R.GOLDSMITH	R.GOLDSMITH	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	PETER ASKEY	2023-04-06

PRELIMINARY

PROJECT	CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT
TITLE	LANDFILL EXPANSION LANDFILL STAGE 03
WSP PROJECT NO. (SUB-PROJECT)	6-CO082.00
SHEET NO.	C203
REVISION	A



NOTE:
THIS DRAWING IS TO BE REPRODUCED IN COLOUR



REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



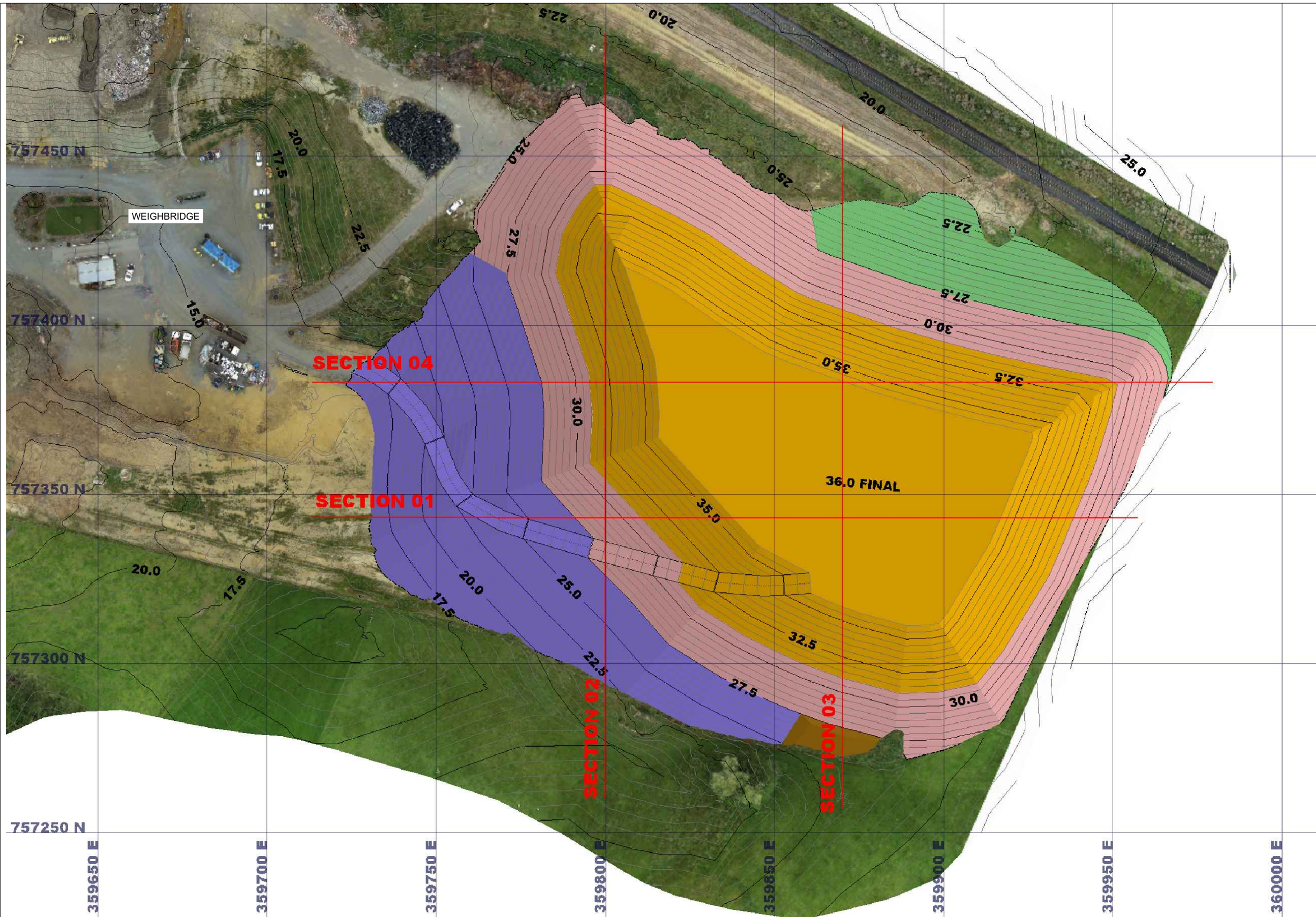
wsp
Invercargill Office
+64 3 211 3580
PO Box 647
Invercargill 9640
New Zealand

CIVIL

SCALES	ORIGINAL SIZE	
N.T.S	A1	
DRAWN	DESIGNED	APPROVED
R.GOLDSMITH	R.GOLDSMITH	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	PETER ASKEY	2023-04-06

PRELIMINARY

PROJECT	CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT
TITLE	LANDFILL EXPANSION LANDFILL STAGE 05
WSP PROJECT NO. (SUB-PROJECT)	6-CO082.00
SHEET NO.	C205
REVISION	A



LEGEND:

- LANDFILL STAGE 01
- LANDFILL STAGE 02
- LANDFILL STAGE 03
- LANDFILL STAGE 04
- LANDFILL STAGE 05

NOTE:
THIS DRAWING IS TO BE REPRODUCED IN COLOUR

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR REVIEW	C. FOX	2023-04-06



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Invercargill 9840
New Zealand

CIVIL

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
N.T.S	R.GOLDSMITH	CHRIS FOX	A1
DRAWN	DESIGN VERIFIED	APPROVED DATE	
R.GOLDSMITH	PETER ASKEY	2023-04-06	

PRELIMINARY

PROJECT
CLUTHA DISTRICT COUNCIL
KAITANGATA HIGHWAY BALCLUTHA
MT COOEE LANDFILL DEVELOPMENT

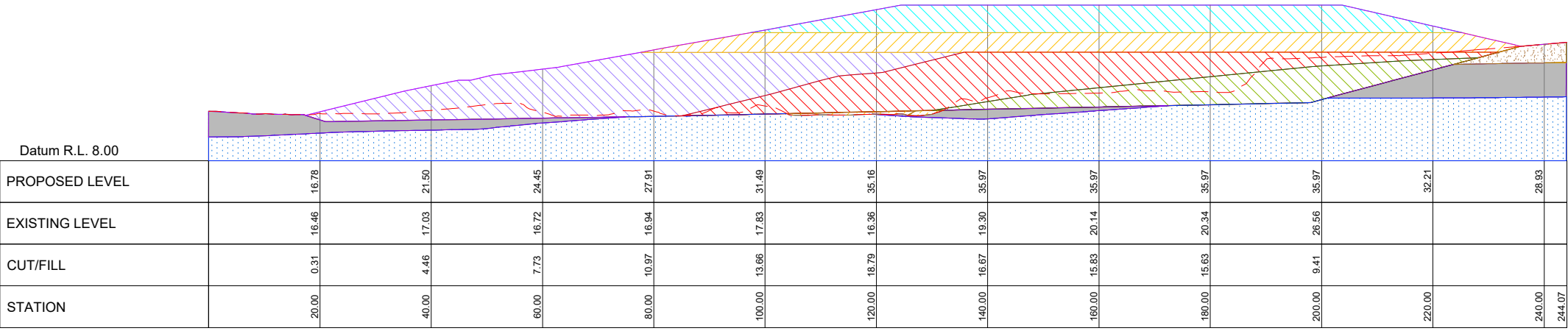
TITLE
LANDFILL EXPANSION
SECTION LAYOUT PLAN

WSP PROJECT NO. (SUB-PROJECT)
6-CO082.00

SHEET NO.
C206

REVISION
A

NOTE:
GROUND CONDITIONS ARE INDICATIVE
ONLY AND TO BE CONFIRMED ON SITE.

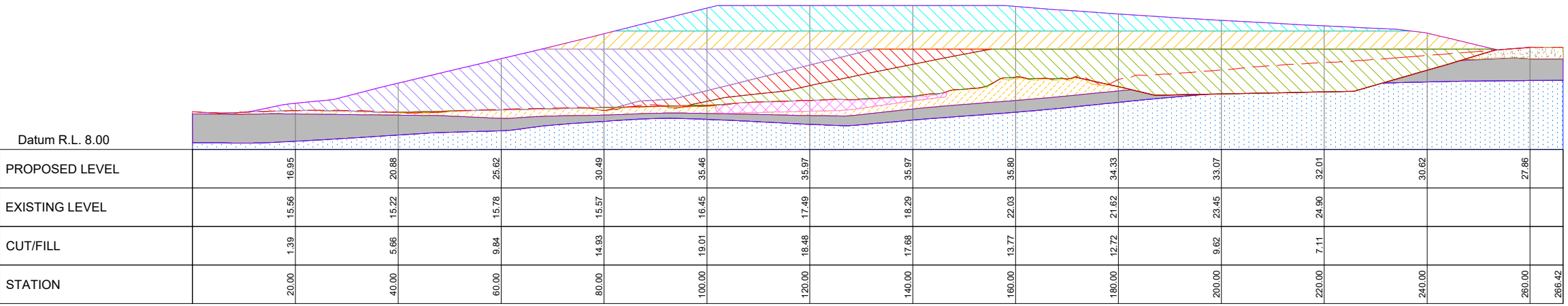


Datum R.L. 8.00																	
PROPOSED LEVEL		16.78	21.50	24.45	27.91	31.49	35.16	35.97	35.97	35.97	35.97	32.21	28.93				
EXISTING LEVEL		16.46	17.03	16.72	16.94	17.83	16.36	19.30	20.14	20.34	26.56						
CUT/FILL		0.31	4.46	7.73	10.97	13.66	18.79	16.67	15.63	15.63	9.41						
STATION		20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00	240.00	244.07			

SECTION 01

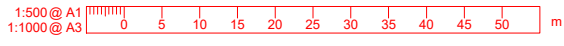
LEGEND:

- TOPSOIL (UNIT 1)
- LANDFILL STAGE 01
- LANDFILL STAGE 02
- LANDFILL STAGE 03
- LANDFILL STAGE 04
- LANDFILL STAGE 05
- HISTORIC LANDFILL
- ALLUVIAL (UNIT 2)
- HIGHLY TO MODERATELY WEATHERED GREYWACKE, VERY WEAK TO WEAK SANDSTONE/SILTSTONE (UNIT 3b)
- SLIGHTLY WEATHERED TO FRESH, MODERATELY STRONG TO STRONG SANDSTONE/SILTSTONE (UNIT 3c)
- PROPOSED TOP OF PIT
- EXISTING GROUND



Datum R.L. 8.00																	
PROPOSED LEVEL		16.95	20.88	25.62	30.49	35.46	35.97	35.97	35.80	34.33	33.07	32.01	30.62	27.86			
EXISTING LEVEL		15.56	15.22	15.78	15.57	16.45	17.49	18.29	22.03	21.62	23.45	24.90					
CUT/FILL		1.39	5.66	9.84	14.93	19.01	18.48	17.68	13.77	12.72	9.62	7.11					
STATION		20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00	240.00	260.00	266.42		

SECTION 04



NOTE:
THIS DRAWING IS TO BE REPRODUCED IN COLOUR

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR COMMENT	C. FOX	2023-04-06



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+64 3 211 3580
PO Box 647
Invercargill 9840
New Zealand

CIVIL

SCALES		ORIGINAL SIZE
A1 1:500	A3 1:1000	A1
DRAWN	DESIGNED	APPROVED
R.GOLDSMITH	R.GOLDSMITH	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	PETER ASKEY	2023-04-06

PRELIMINARY

PROJECT
CLUTHA DISTRICT COUNCIL
KAITANGATA HIGHWAY BALCLUTHA
MT COOEE LANDFILL DEVELOPMENT

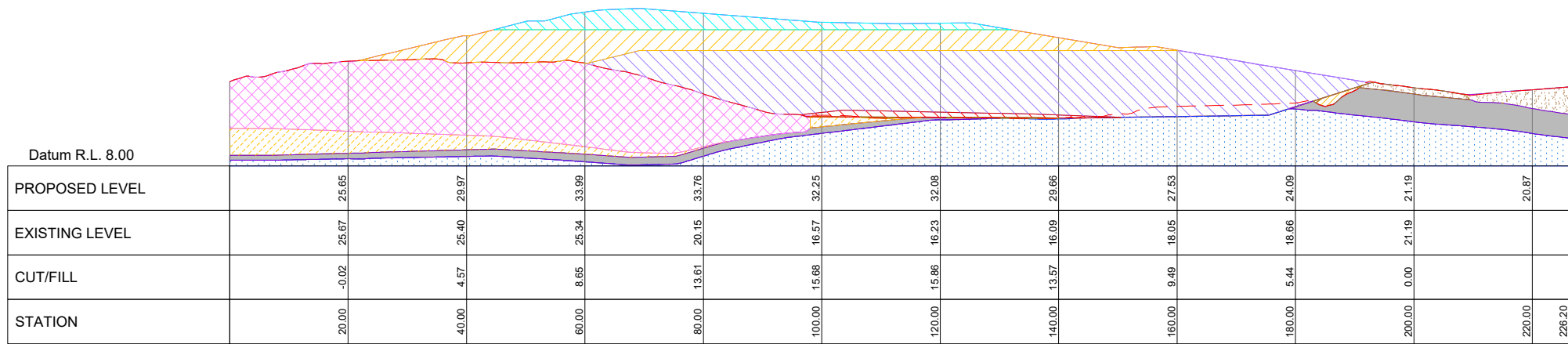
TITLE
LANDFILL EXPANSION
EAST - WEST SECTIONS 01 AND 04

WSP PROJECT NO. (SUB-PROJECT)
6-CO082.00

SHEET NO.
C207

REVISION
A

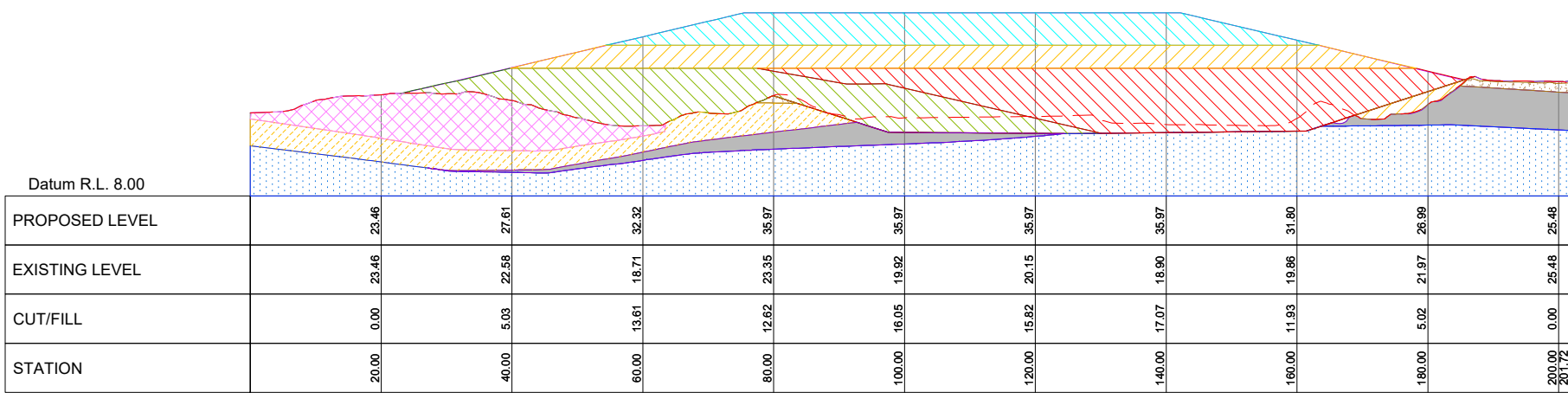
NOTE:
GROUND CONDITIONS ARE INDICATIVE
ONLY AND TO BE CONFIRMED ON SITE.



SECTION 02

LEGEND:

- TOPSOIL (UNIT 1)
- LANDFILL STAGE 01
- LANDFILL STAGE 02
- LANDFILL STAGE 03
- LANDFILL STAGE 04
- LANDFILL STAGE 05
- HISTORIC LANDFILL
- ALLUVIAL (UNIT 2)
- HIGHLY TO MODERATELY WEATHERED GREYWACKE, VERY WEAK TO WEAK SANDSTONE/SILTSTONE (UNIT 3b)
- SLIGHTLY WEATHERED TO FRESH, MODERATELY STRONG TO STRONG SANDSTONE/SILTSTONE (UNIT 3c)
- PROPOSED TOP OF PIT
- EXISTING GROUND



SECTION 03

NOTE:
THIS DRAWING IS TO BE REPRODUCED IN COLOUR

REVISION	AMENDMENT	APPROVED	DATE
A	PLANS ISSUED TO CLIENT FOR COMMENT	C. FOX	2023-04-06



wsp
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CIVIL

SCALES		ORIGINAL SIZE
A1 1:500 , A3 1:1000		A1
DRAWN	DESIGNED	APPROVED
R.GOLDSMITH	R.GOLDSMITH	CHRIS FOX
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
CALLUM FEELY	PETER ASKEY	2023-04-06

PRELIMINARY

PROJECT		SHEET NO.	REVISION
CLUTHA DISTRICT COUNCIL KAITANGATA HIGHWAY BALCLUTHA MT COOEE LANDFILL DEVELOPMENT		C208	A
TITLE		LANDFILL EXPANSION NORTH - SOUTH SECTIONS 02 AND 03	
WSP PROJECT NO. (SUB-PROJECT)		6-CO082.00	