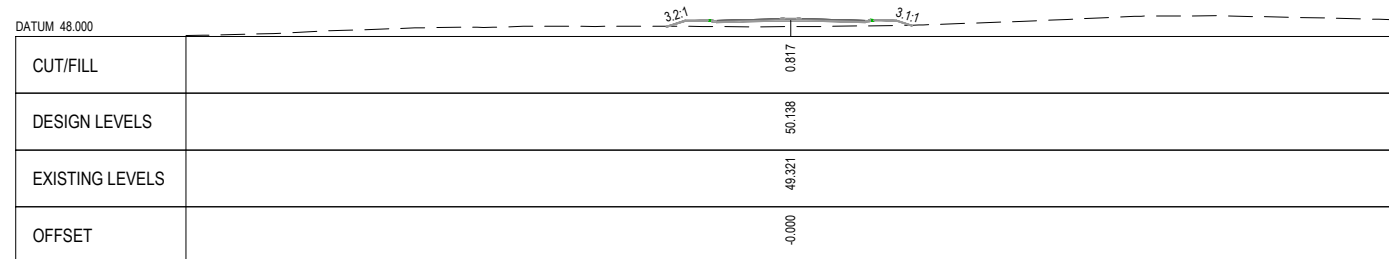
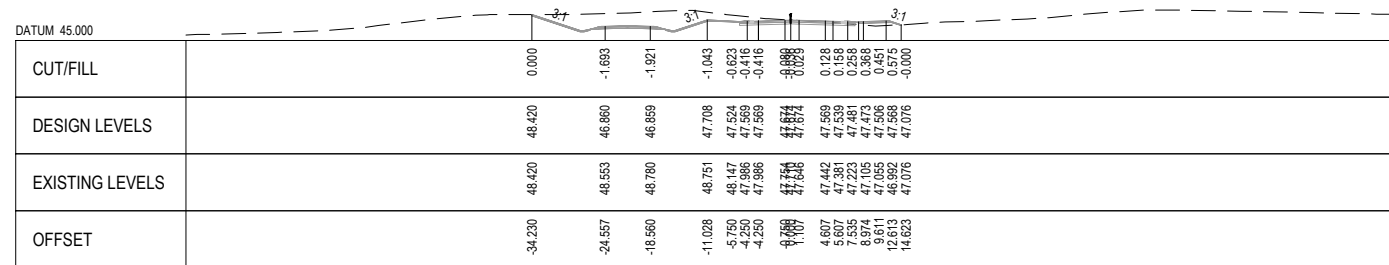


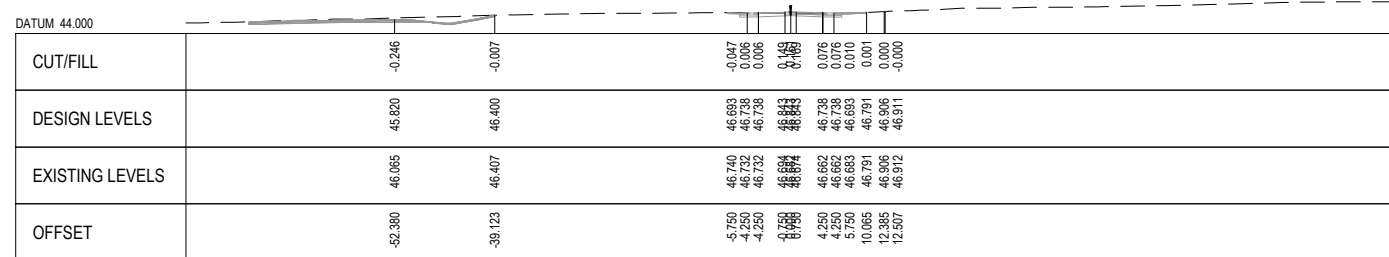
CHAINAGE 10500



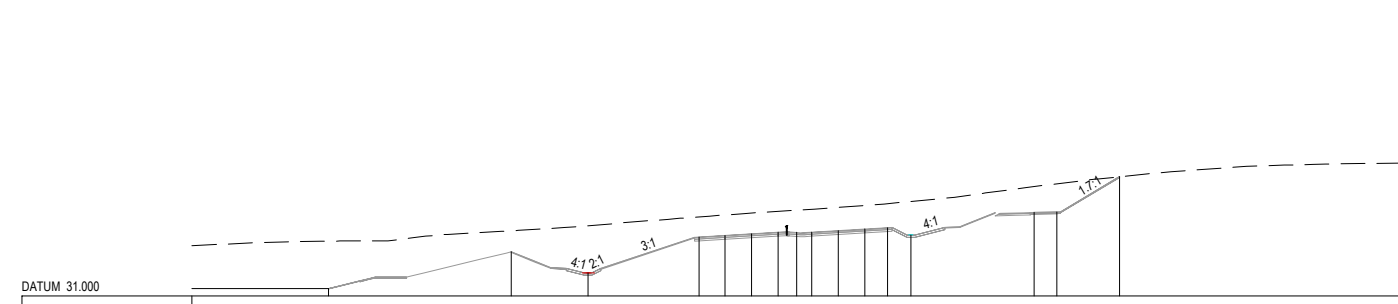
CHAINAGE 10250



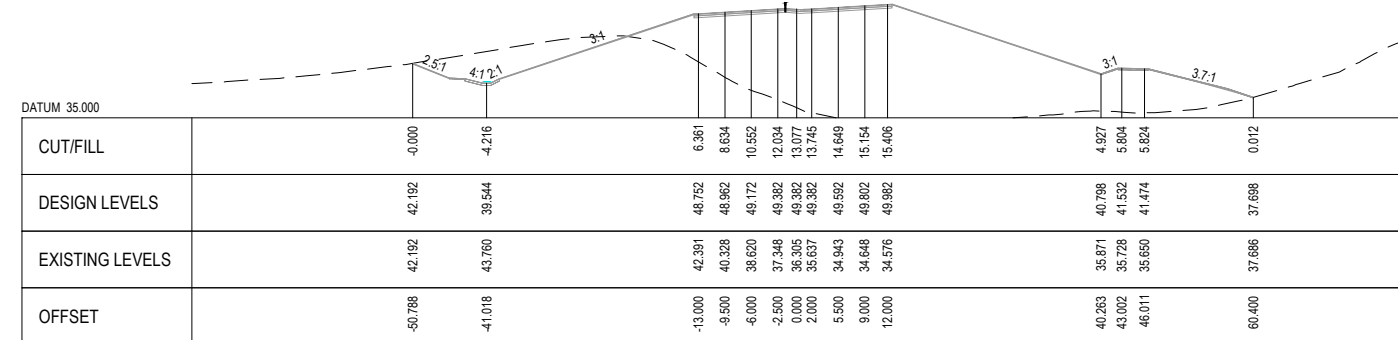
CHAINAGE 10000



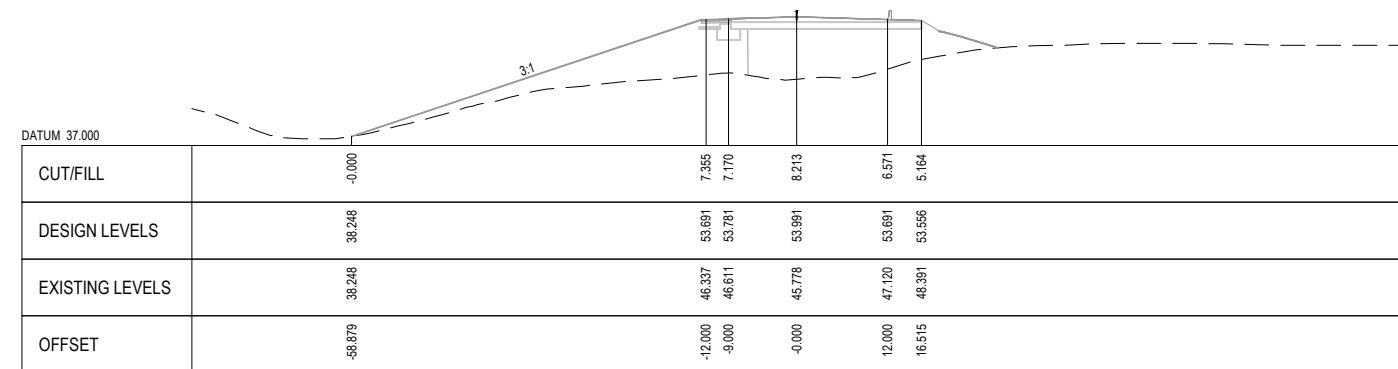
CHAINAGE 9950



CHAINAGE 11250



CHAINAGE 11000



CHAINAGE 10750

NOT FOR CONSTRUCTION

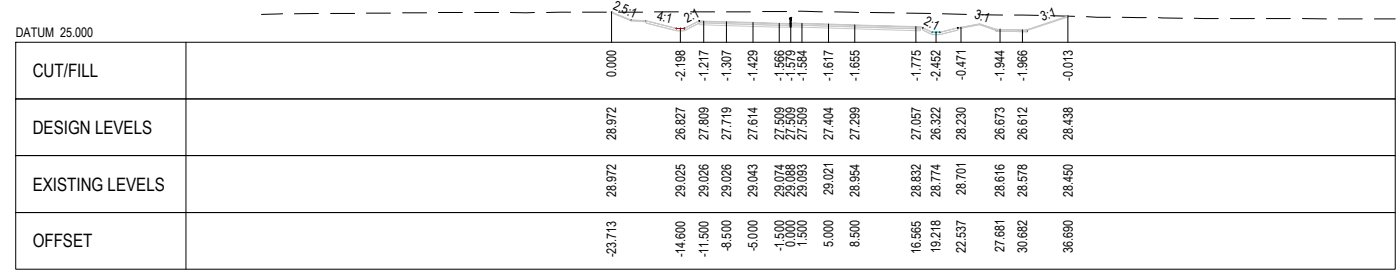
B	ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	KW	JP	20.04.22
REV		DRN	CHK	APP	DATE

SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Poval	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Poval	21.07.22
PROF REGISTRATION:		

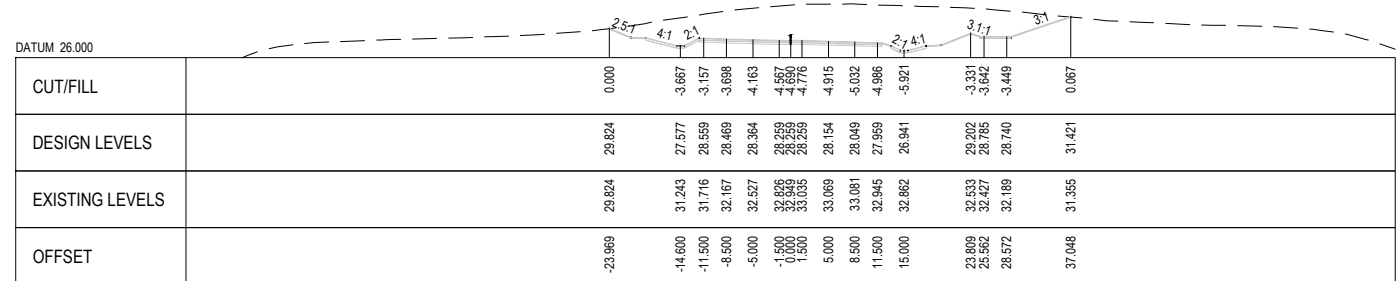


Client: WAKA KOTAHI  
 ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
 CROSS SECTIONS  
 SHEET 1

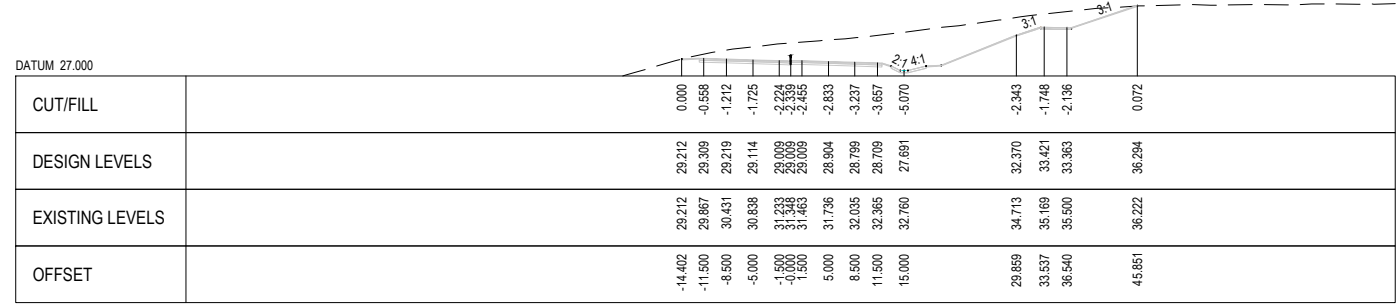
Status Stamp	<b>FOR CONSENT</b>
Date Stamp	<b>19.08.22</b>
Scales	AS SHOWN
Drawing No.	310203848-01-100-C2501
Rev.	B



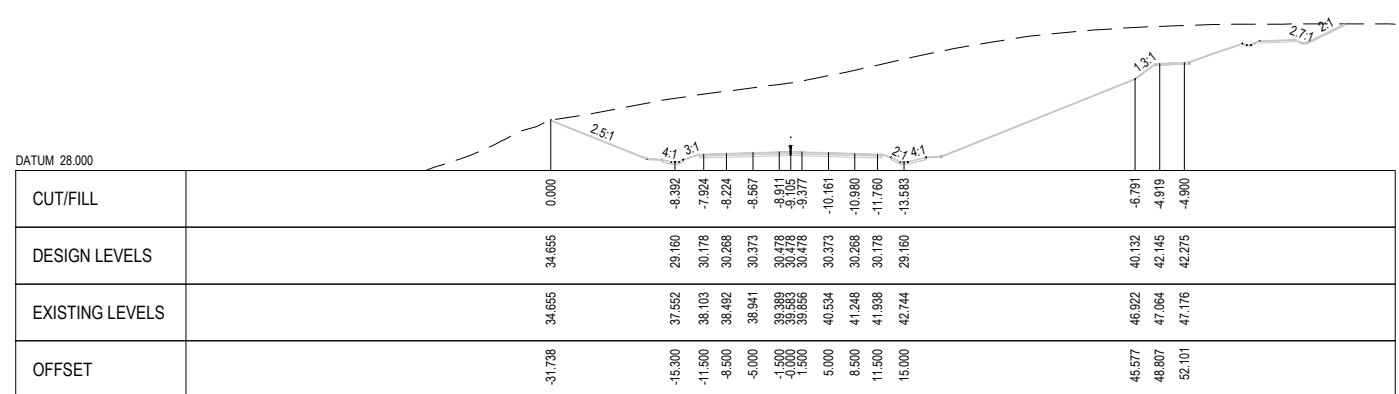
CHAINAGE 12250



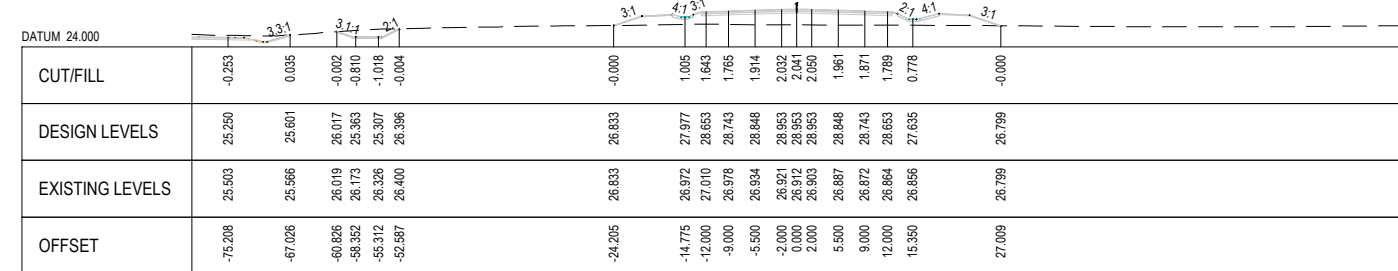
CHAINAGE 12000



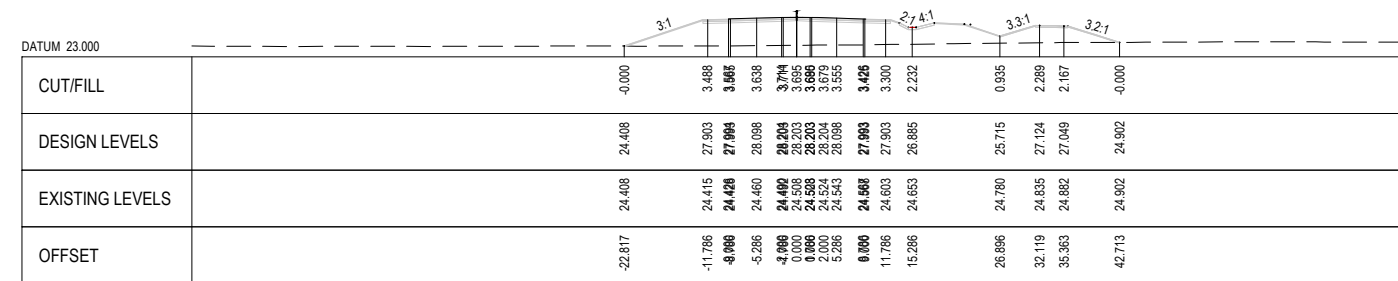
CHAINAGE 11750



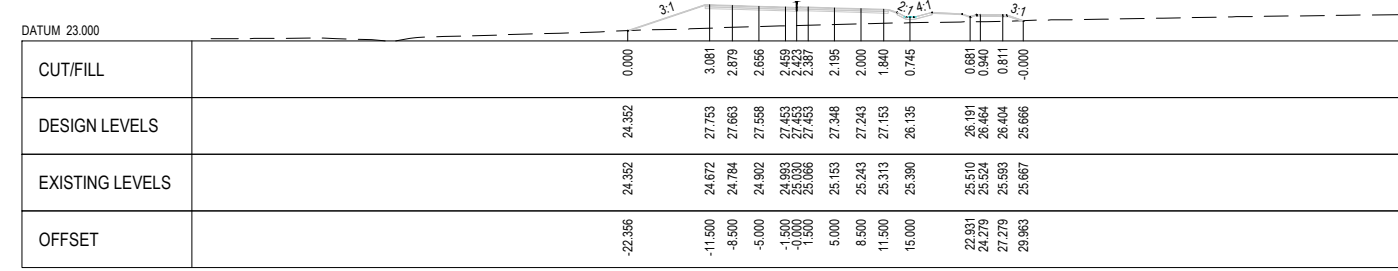
CHAINAGE 11500



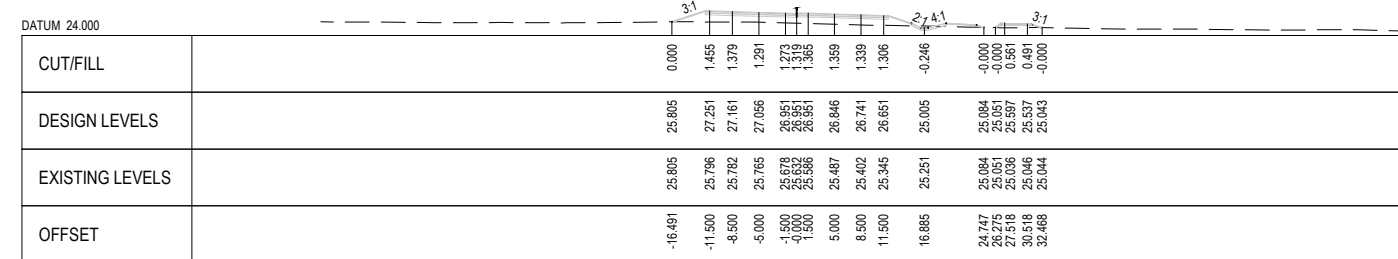
CHAINAGE 13250



CHAINAGE 13000



CHAINAGE 12750



CHAINAGE 12500

REV	ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	KW	JP	20.04.22
B	ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22

SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED	PROF REGISTRATION
	Steve Muller	Steve Muller	Steve Sutton	Jamie Povall	Keith Weale	Jamie Povall	
							13.04.22
							13.04.22
							14.04.22
							14.04.22
							21.07.22



Client: WAKA KOTAHI  
 OTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
 CROSS SECTIONS  
 SHEET 2

Status Stamp	<b>FOR CONSENT</b>
Date Stamp	<b>19.08.22</b>
Scale	AS SHOWN
Drawing No.	310203848-01-100-C2502
Rev.	<b>B</b>

NOT FOR CONSTRUCTION

DATUM 35.000	
CUT/FILL	-0.000
DESIGN LEVELS	36.065
EXISTING LEVELS	36.431
OFFSET	-22.002

CHAINAGE 14250

DATUM 32.000	
CUT/FILL	0.000
DESIGN LEVELS	33.539
EXISTING LEVELS	33.944
OFFSET	-46.798

CHAINAGE 14000

DATUM 29.000	
CUT/FILL	0.000
DESIGN LEVELS	30.146
EXISTING LEVELS	30.138
OFFSET	-42.410

CHAINAGE 13750

DATUM 25.000	
CUT/FILL	-1.839
DESIGN LEVELS	25.533
EXISTING LEVELS	27.372
OFFSET	-66.673

CHAINAGE 13500

DATUM 45.000	
CUT/FILL	0.000
DESIGN LEVELS	47.159
EXISTING LEVELS	47.158
OFFSET	-26.306

CHAINAGE 15250

DATUM 43.000	
CUT/FILL	0.000
DESIGN LEVELS	44.652
EXISTING LEVELS	44.652
OFFSET	-25.875

CHAINAGE 15000

DATUM 41.000	
CUT/FILL	0.000
DESIGN LEVELS	44.189
EXISTING LEVELS	44.189
OFFSET	-61.466

CHAINAGE 14750

DATUM 38.000	
CUT/FILL	-0.517
DESIGN LEVELS	38.886
EXISTING LEVELS	39.403
OFFSET	-21.246

CHAINAGE 14500

NOT FOR CONSTRUCTION

ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22
ISSUED FOR CONSENT - DRAFT	SS	KW	JP	20.04.22
REVISIONS	DRN	CHK	APP	DATE

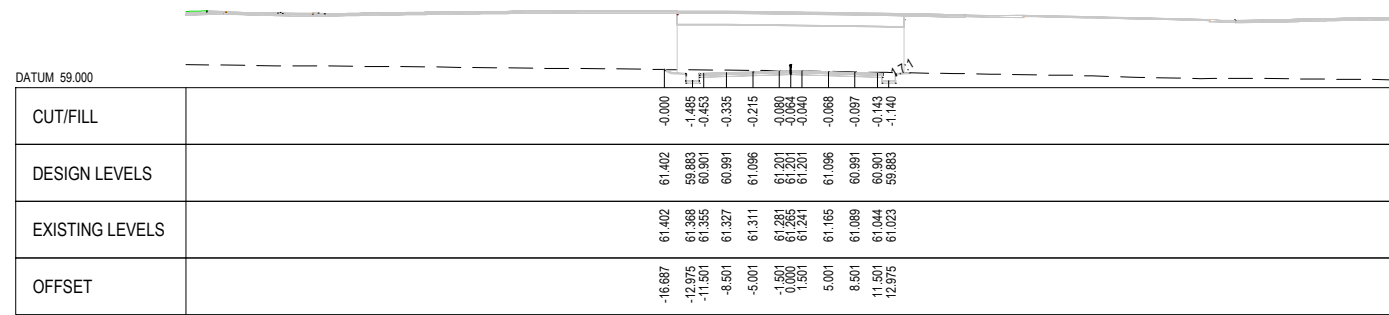
SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Povall	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Povall	21.07.22
PROF REGISTRATION:		



Client: WAKA KOTAHI  
 OTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
 CROSS SECTIONS  
 SHEET 3

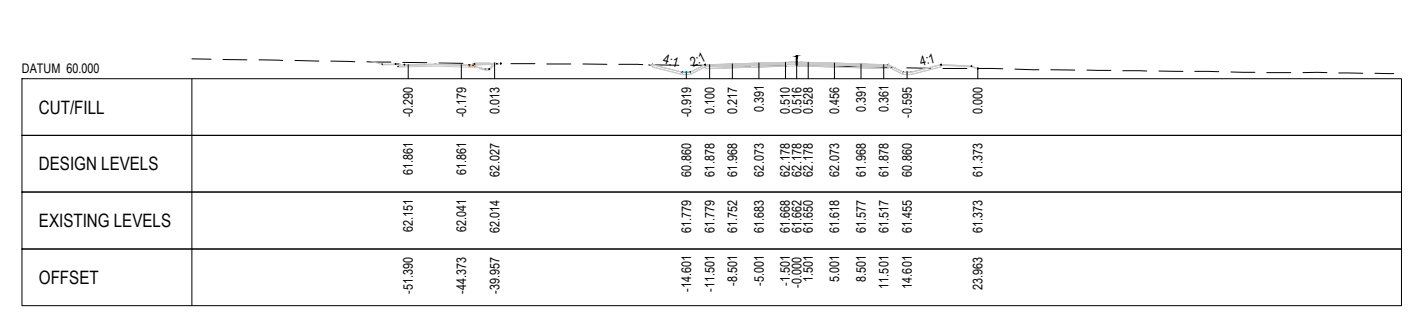
Status Stamp	FOR CONSENT
Date Stamp	19.08.22
Scale	AS SHOWN
Drawing No.	310203848-01-100-C2503
Rev.	B





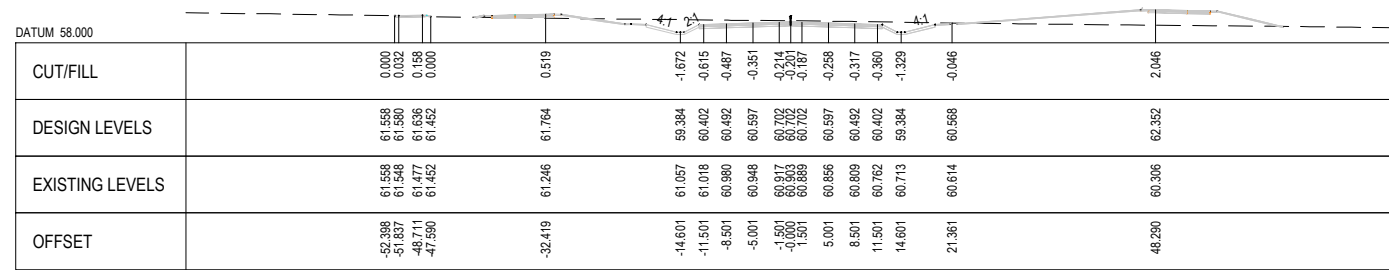
DATUM	59.000
CUT/FILL	
DESIGN LEVELS	
EXISTING LEVELS	
OFFSET	

CHAINAGE 18250



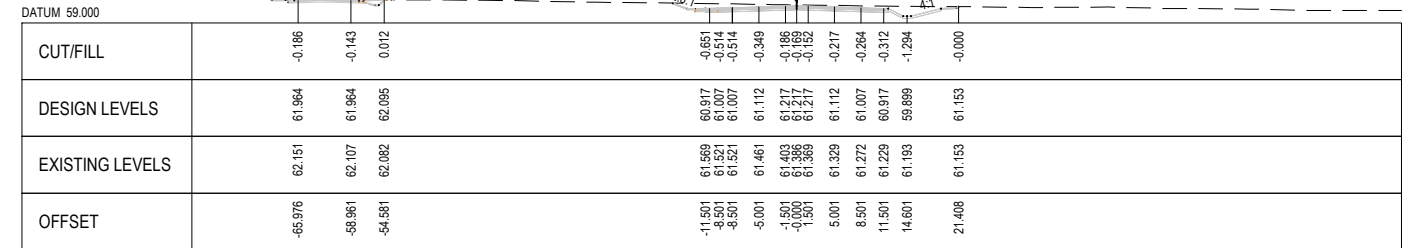
DATUM	60.000
CUT/FILL	
DESIGN LEVELS	
EXISTING LEVELS	
OFFSET	

CHAINAGE 19250



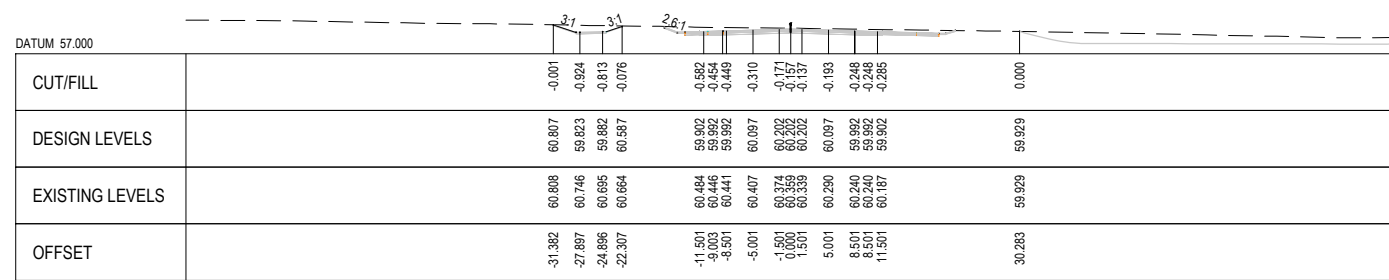
DATUM	58.000
CUT/FILL	
DESIGN LEVELS	
EXISTING LEVELS	
OFFSET	

CHAINAGE 18000



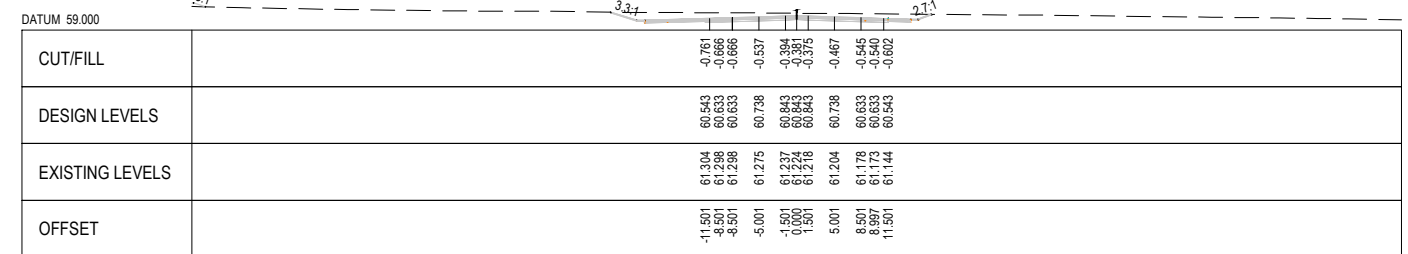
DATUM	59.000
CUT/FILL	
DESIGN LEVELS	
EXISTING LEVELS	
OFFSET	

CHAINAGE 19000



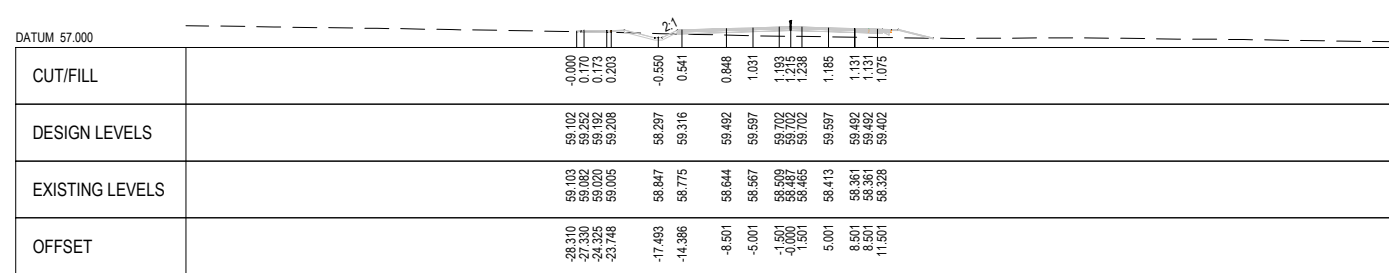
DATUM	57.000
CUT/FILL	
DESIGN LEVELS	
EXISTING LEVELS	
OFFSET	

CHAINAGE 17750



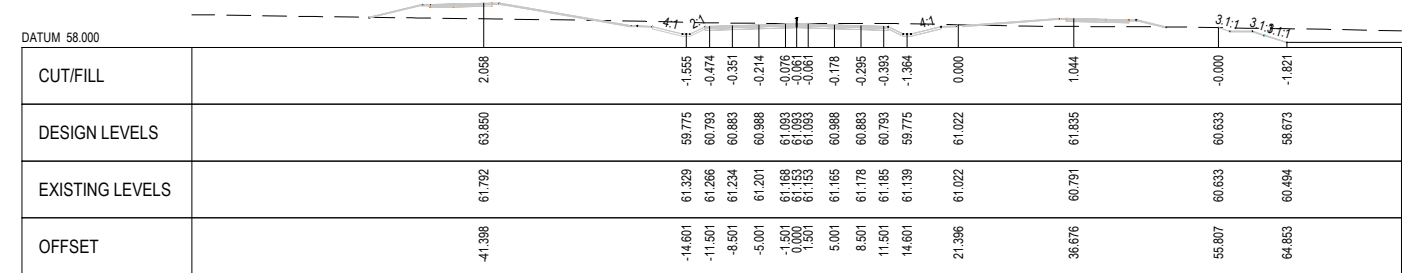
DATUM	59.000
CUT/FILL	
DESIGN LEVELS	
EXISTING LEVELS	
OFFSET	

CHAINAGE 18750



DATUM	57.000
CUT/FILL	
DESIGN LEVELS	
EXISTING LEVELS	
OFFSET	

CHAINAGE 17500



DATUM	58.000
CUT/FILL	
DESIGN LEVELS	
EXISTING LEVELS	
OFFSET	

CHAINAGE 18500

REV	B	ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22
	A	ISSUED FOR CONSENT - DRAFT	SS	KW	JP	20.04.22
		REVISIONS	DRN	CHK	APP	DATE

SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Poval	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Poval	21.07.22
PROF REGISTRATION		



Client:	WAKA KOTAHI ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT	Status Stamp	<b>FOR CONSENT</b>
	CROSS SECTIONS SHEET 5	Date Stamp	19.08.22
		Scale	AS SHOWN
		Drawing No.	310203848-01-100-C2505
		Rev.	B

DATUM 63.000

CUT/FILL																				
DESIGN LEVELS																				
EXISTING LEVELS																				
OFFSET																				

CHAINAGE 20250

DATUM 61.000

CUT/FILL																				
DESIGN LEVELS																				
EXISTING LEVELS																				
OFFSET																				

CHAINAGE 20000

DATUM 61.000

CUT/FILL																				
DESIGN LEVELS																				
EXISTING LEVELS																				
OFFSET																				

CHAINAGE 19750

DATUM 61.000

CUT/FILL																				
DESIGN LEVELS																				
EXISTING LEVELS																				
OFFSET																				

CHAINAGE 19500

DATUM 48.000

CUT/FILL																				
DESIGN LEVELS																				
EXISTING LEVELS																				
OFFSET																				

CHAINAGE 21250

DATUM 53.000

CUT/FILL																				
DESIGN LEVELS																				
EXISTING LEVELS																				
OFFSET																				

CHAINAGE 21000

DATUM 60.000

CUT/FILL																				
DESIGN LEVELS																				
EXISTING LEVELS																				
OFFSET																				

CHAINAGE 20750

DATUM 63.000

CUT/FILL																				
DESIGN LEVELS																				
EXISTING LEVELS																				
OFFSET																				

CHAINAGE 20500

NOT FOR CONSTRUCTION

FOR CONSENT

19.08.22

AS SHOWN

310203848-01-100-C2506

B

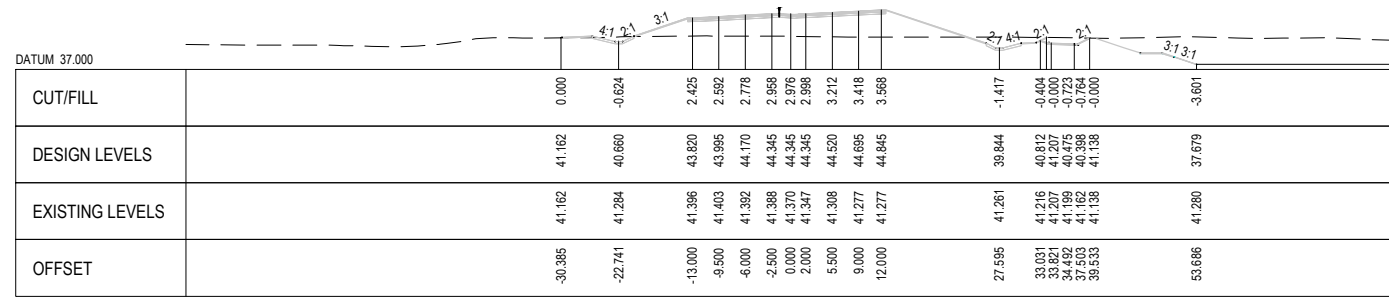
SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Povall	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Povall	21.07.22
PROF REGISTRATION		



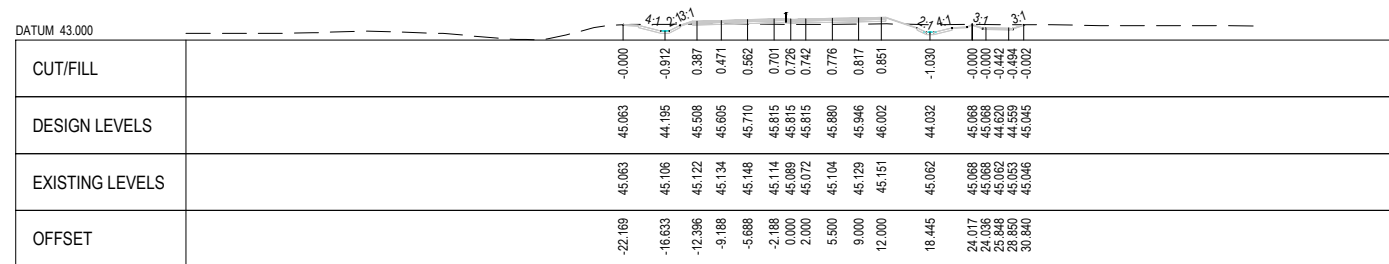
Client:  
WAKA KOTAHI  
ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
CROSS SECTIONS  
SHEET 6

Status Stamp	FOR CONSENT
Date Stamp	19.08.22
Scale	AS SHOWN
Drawing No.	310203848-01-100-C2506
Rev.	B

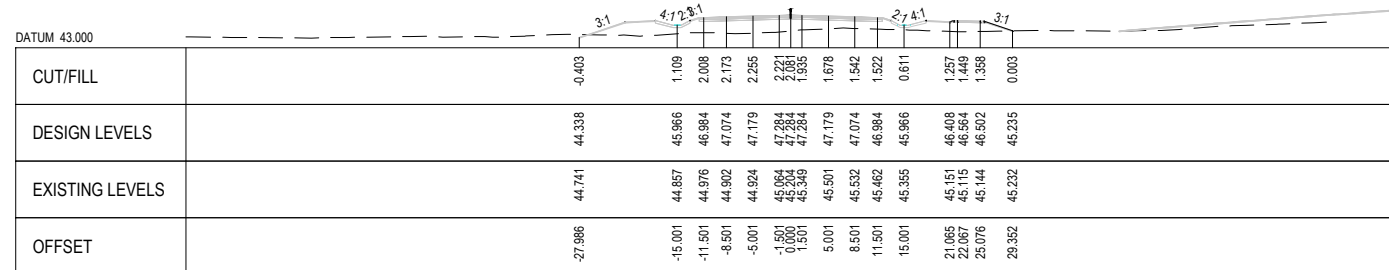
B	ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	KW	JP	20.04.22
REV		DRN	CHK	APP	DATE



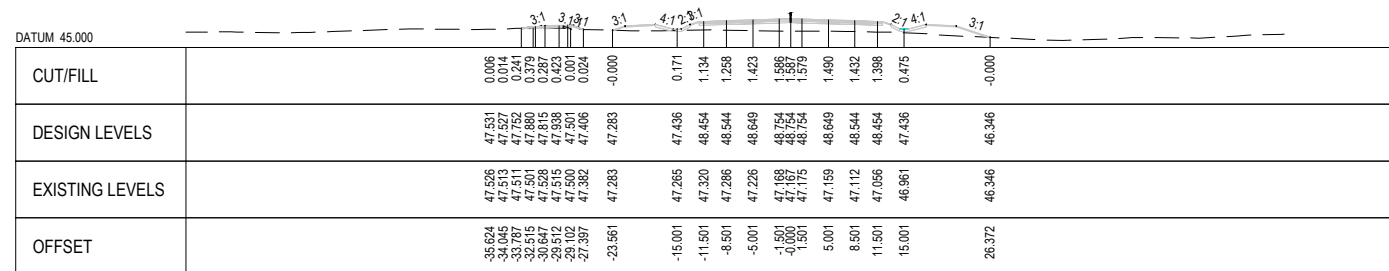
CHAINAGE 22250



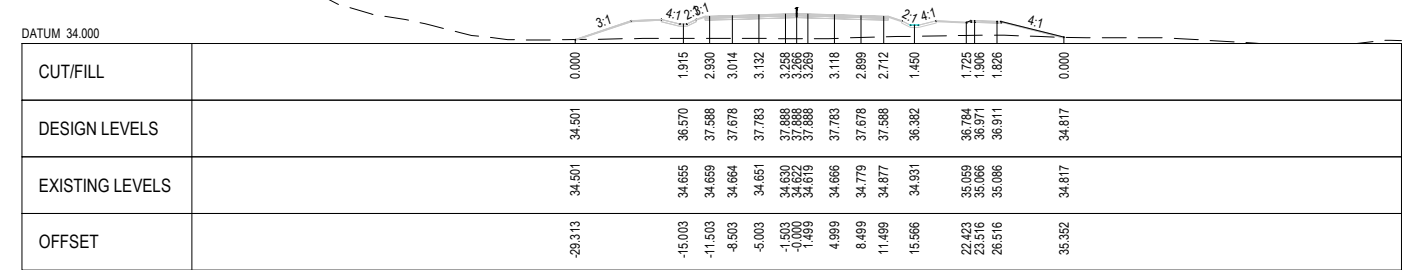
CHAINAGE 22000



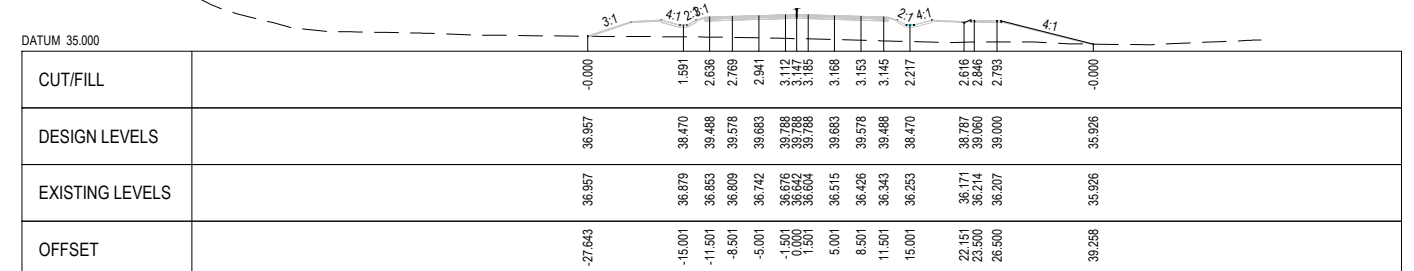
CHAINAGE 21750



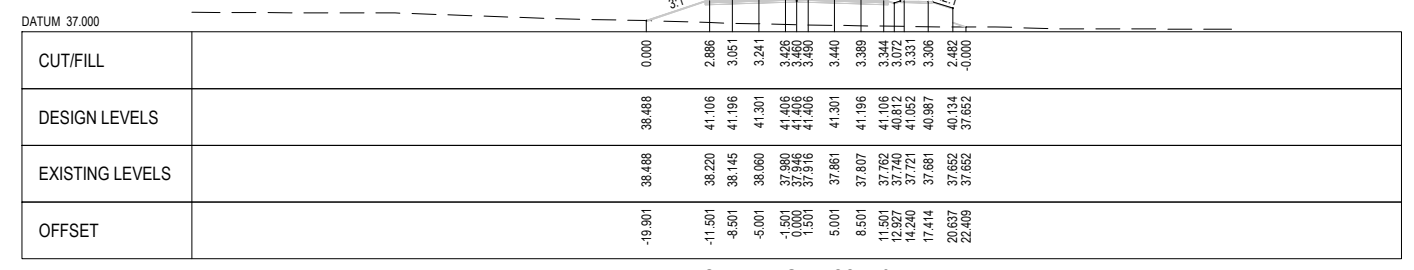
CHAINAGE 21500



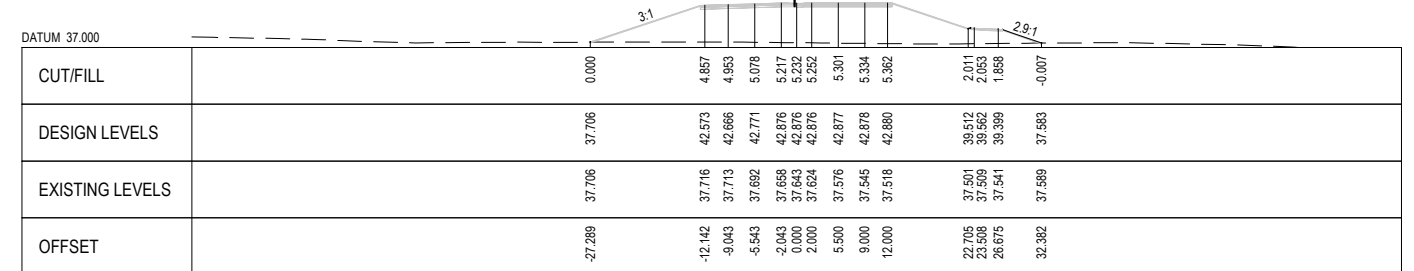
CHAINAGE 23250



CHAINAGE 23000



CHAINAGE 22750



CHAINAGE 22500

NOT FOR CONSTRUCTION

FOR CONSENT

19.08.22

AS SHOWN

310203848-01-100-C2507

B

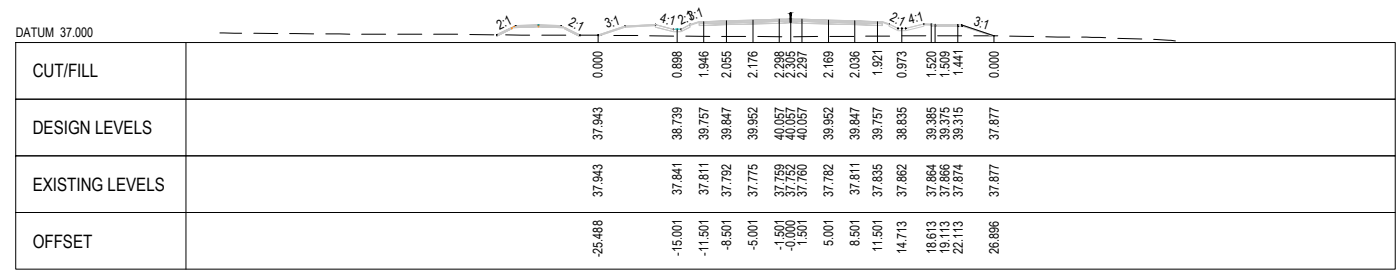
SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Poval	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Poval	21.07.22
PROF REGISTRATION:		



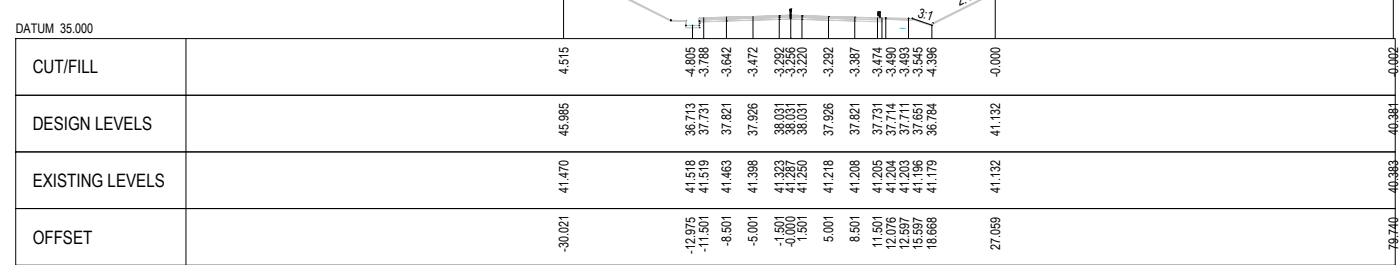
WAKA KOTAHI  
ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT

CROSS SECTIONS  
SHEET 7

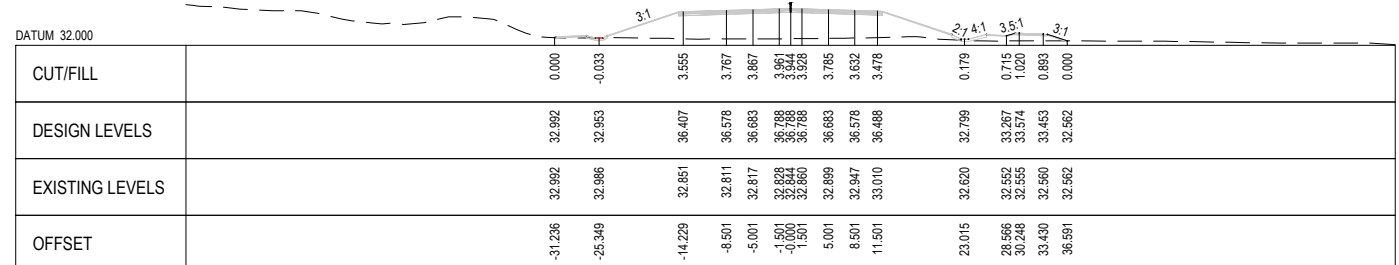
Status Stamp	FOR CONSENT
Date Stamp	19.08.22
Scale	AS SHOWN
Drawing No.	310203848-01-100-C2507
Rev.	B



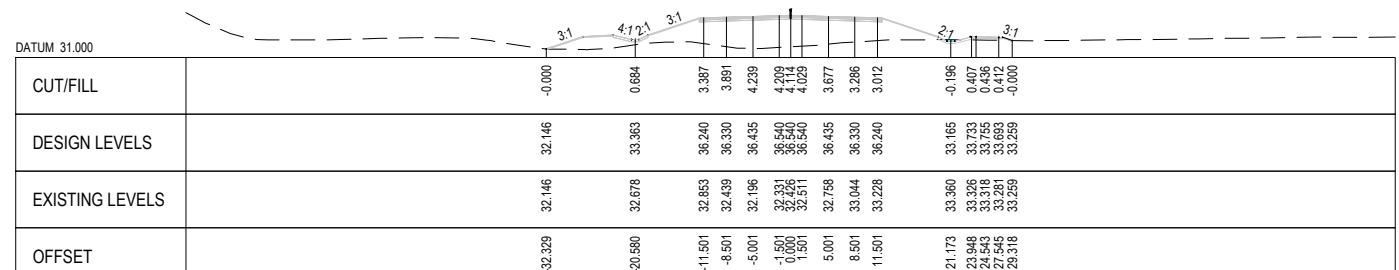
CHAINAGE 24250



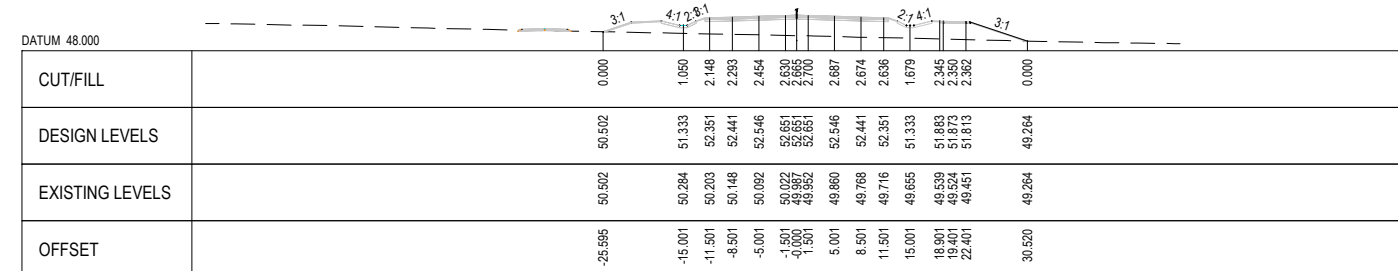
CHAINAGE 24000



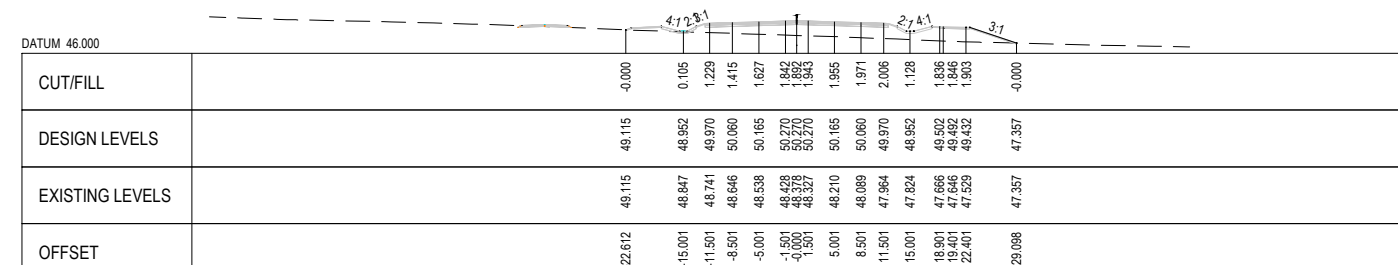
CHAINAGE 23750



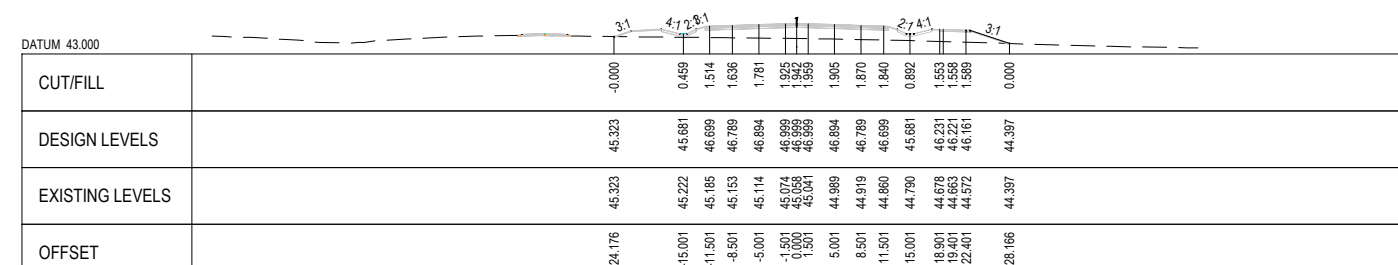
CHAINAGE 23500



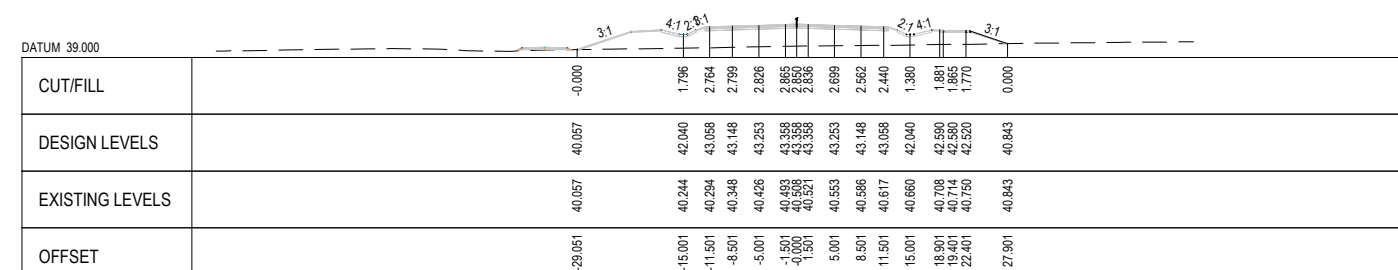
CHAINAGE 25250



CHAINAGE 25000



CHAINAGE 24750



CHAINAGE 24500

ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22
ISSUED FOR CONSENT - DRAFT	SS	KW	JP	20.04.22
REVISIONS	DRN	CHK	APP	DATE

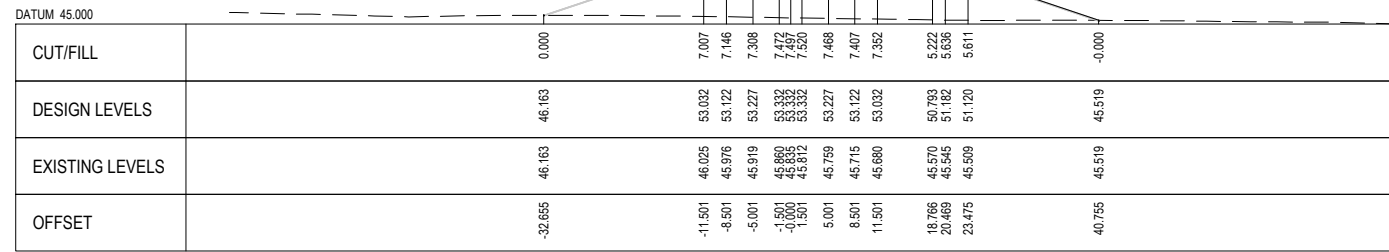
SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Poval	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Poval	21.07.22
PROF REGISTRATION:		



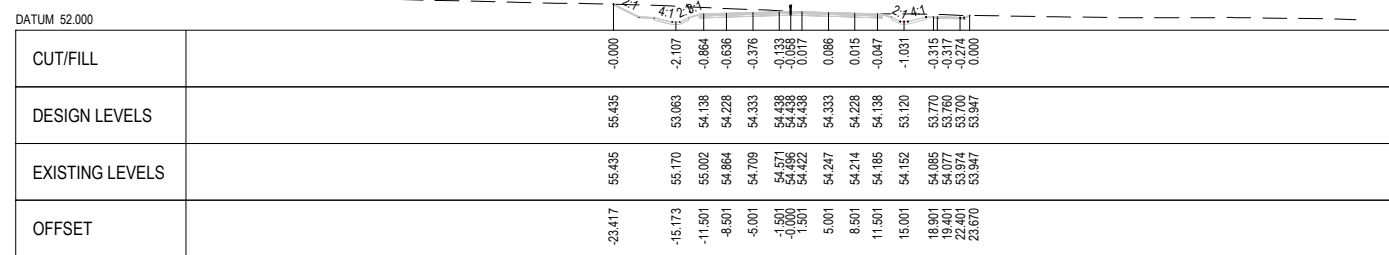
Client: WAKA KOTAHI  
 ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
 CROSS SECTIONS  
 SHEET 8

NOT FOR CONSTRUCTION	
FOR CONSENT	
Date Stamp	19.08.22
Scale	AS SHOWN
Drawing No.	310203848-01-100-C2508
Rev.	B

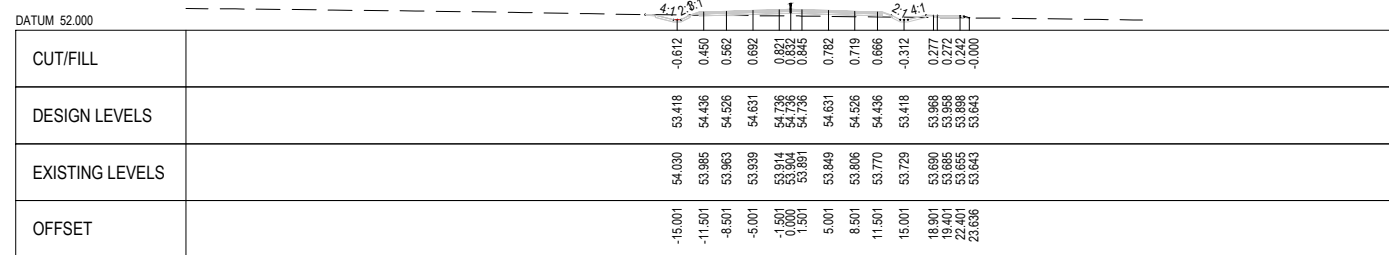




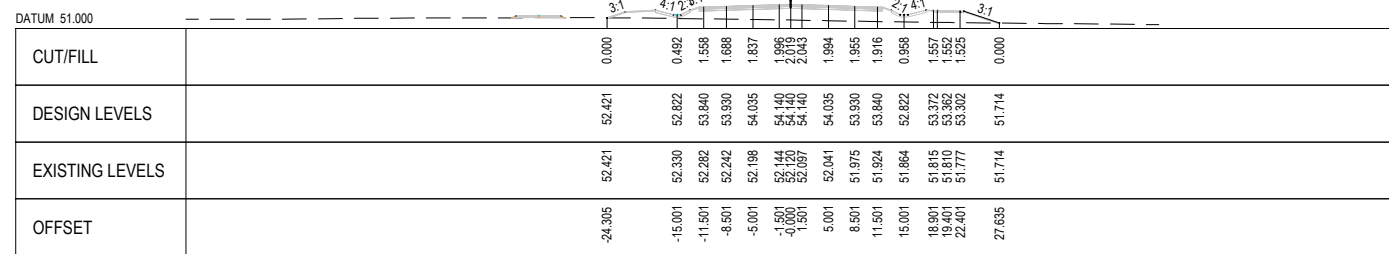
CHAINAGE 26250



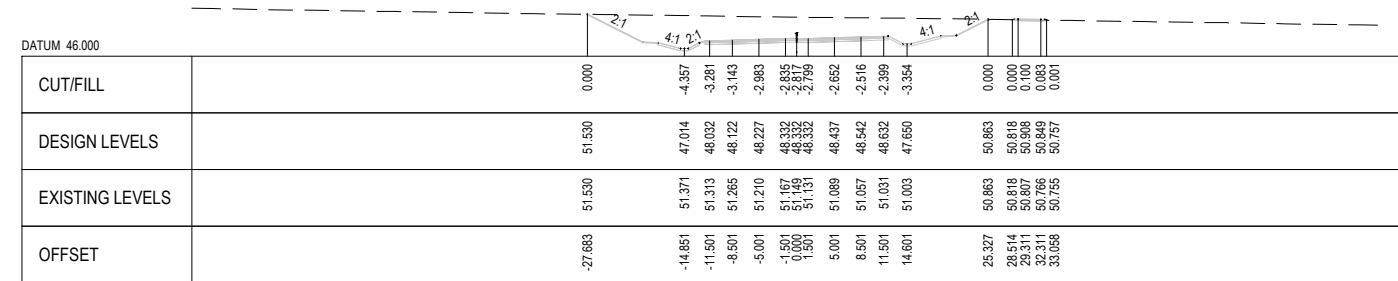
CHAINAGE 26000



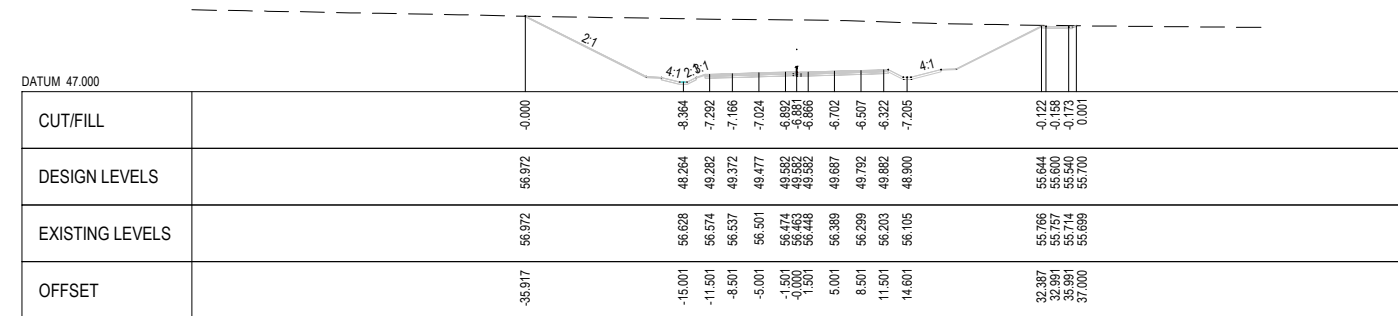
CHAINAGE 25750



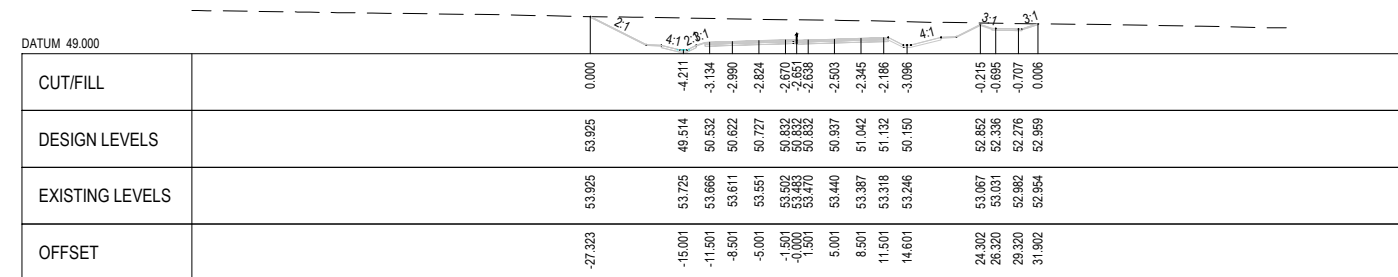
CHAINAGE 25500



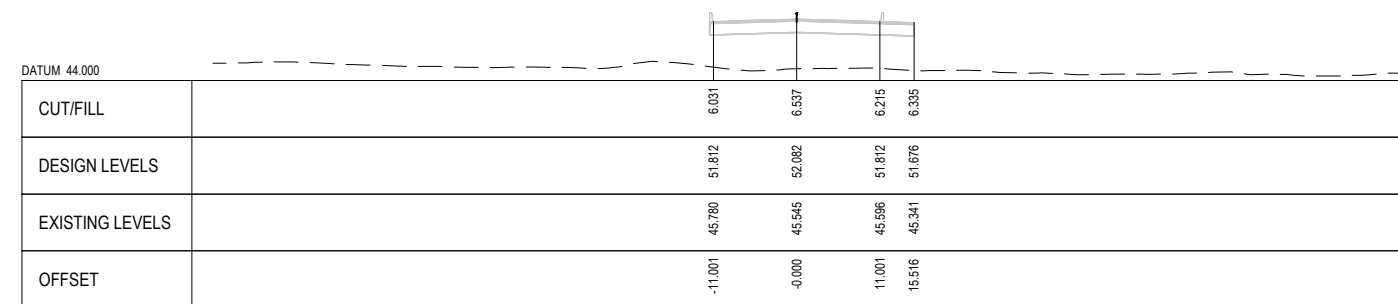
CHAINAGE 27250



CHAINAGE 27000



CHAINAGE 26750



CHAINAGE 26500

REV	ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	KW	JP	20.04.22
REV		DRN	CHK	APP	DATE

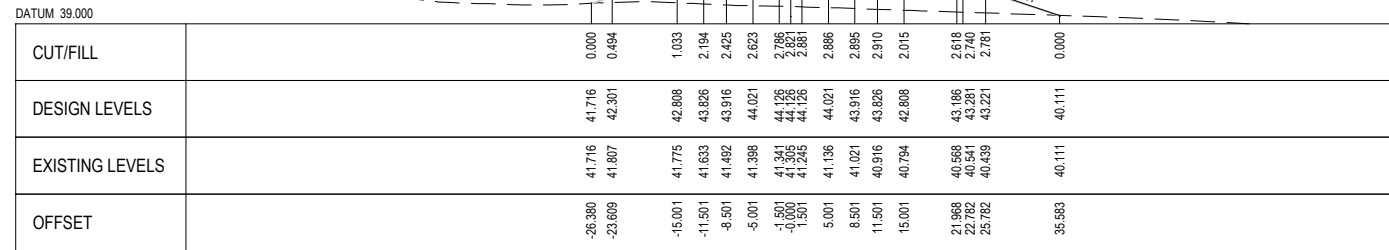
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED	PROF REGISTRATION
	Steve Muller	Steve Muller	Steve Sutton	Jamie Povall	Keith Weale	Jamie Povall	



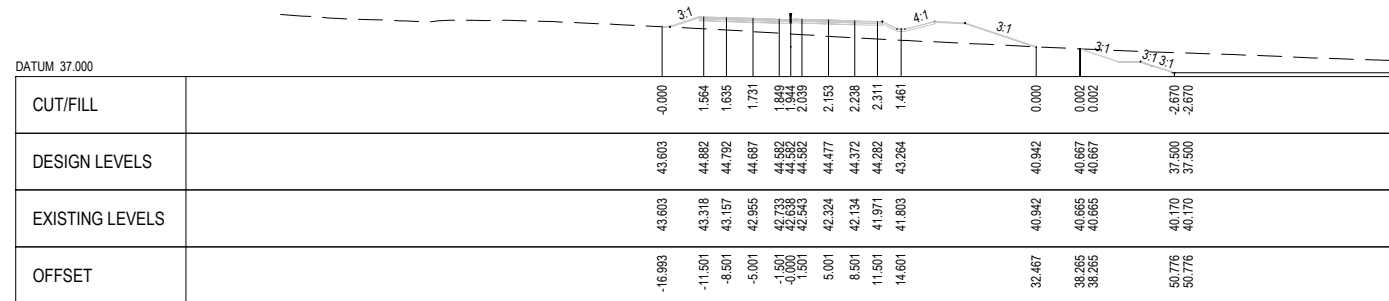
Client: WAKA KOTAHI  
 ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
 CROSS SECTIONS  
 SHEET 9

Status Stamp	Date Stamp	Scale	Drawing No.	Rev.
FOR CONSENT	19.08.22	AS SHOWN	310203848-01-100-C2509	B

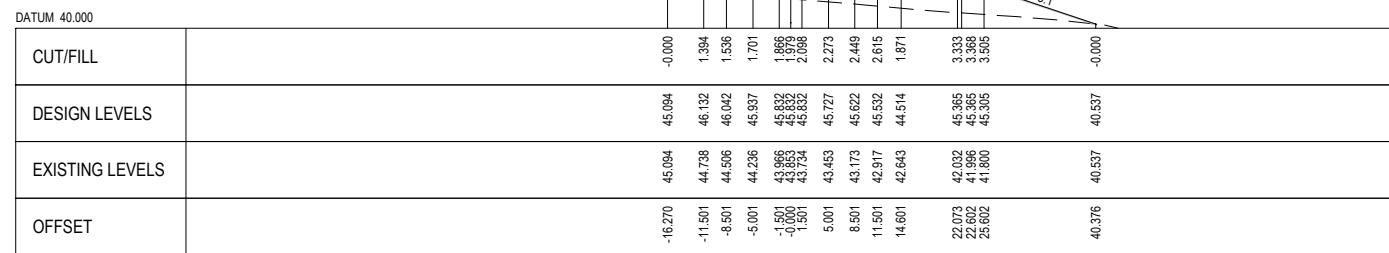
NOT FOR CONSTRUCTION



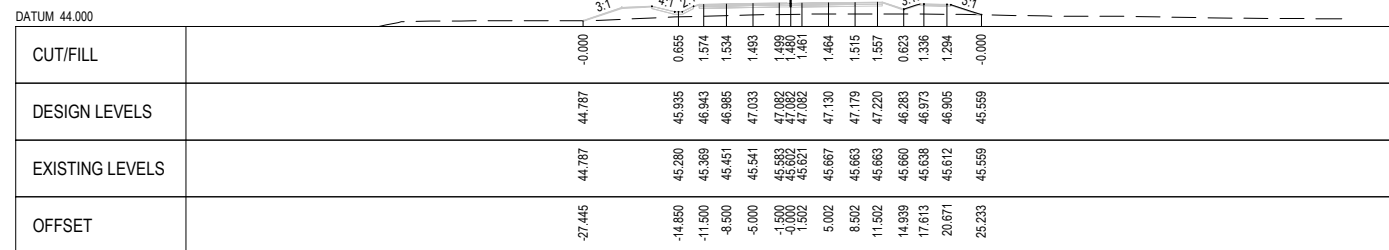
CHAINAGE 28250



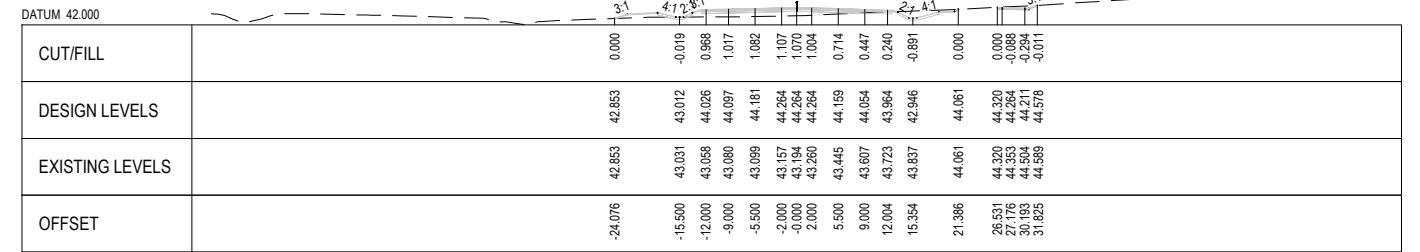
CHAINAGE 28000



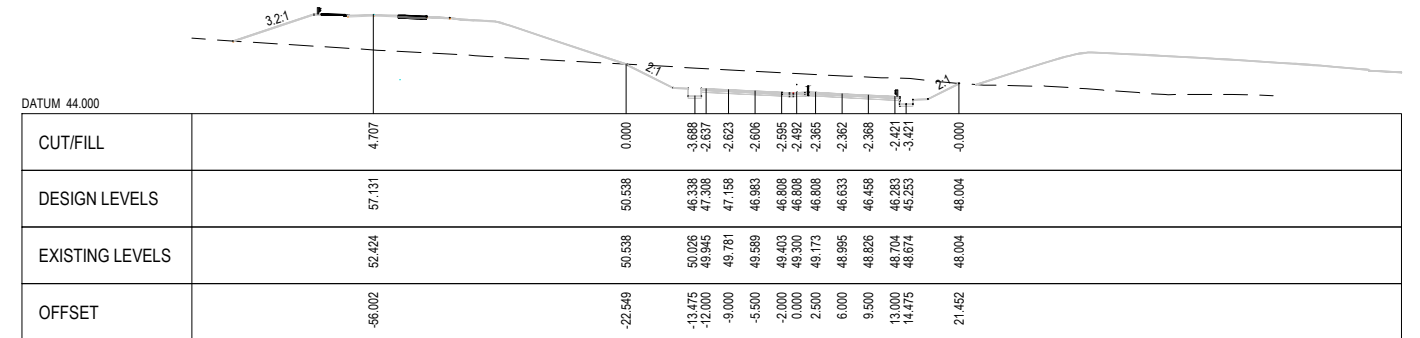
CHAINAGE 27750



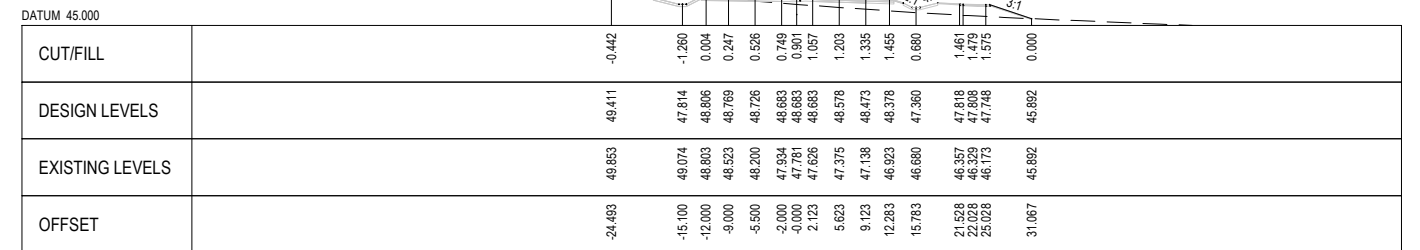
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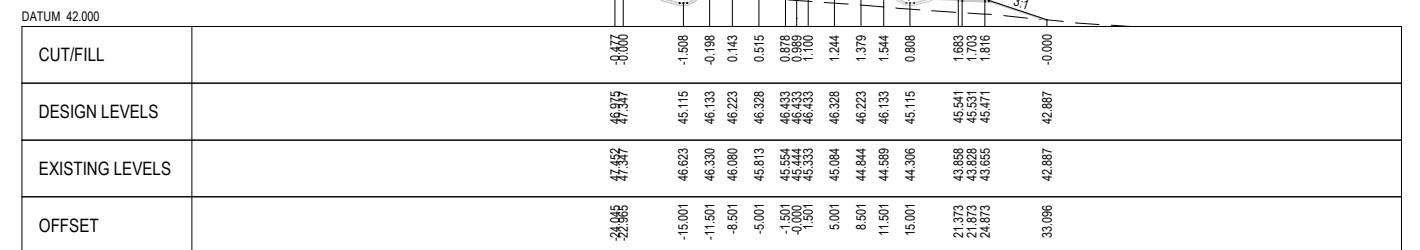
CHAINAGE 29250



CHAINAGE 29000



CHAINAGE 28750



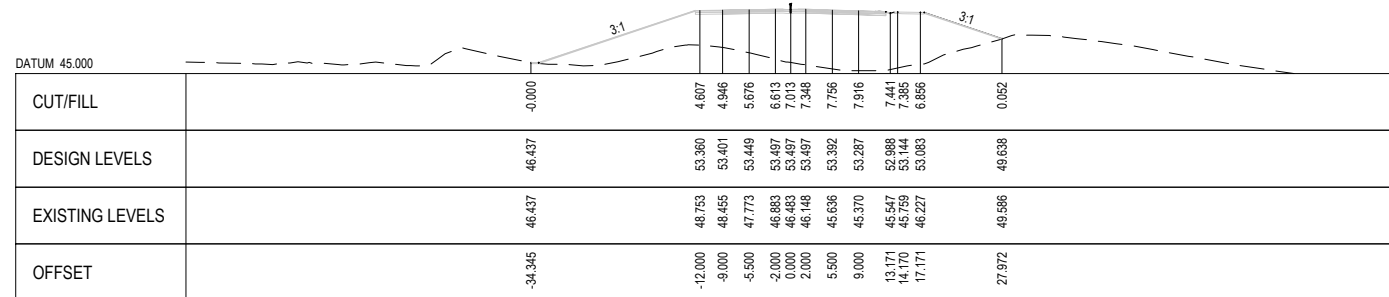
CHAINAGE 28500

REV	ISSUED FOR RMA CONSENT	ISSUED FOR CONSENT - DRAFT	SS	KW	JP	19.08.22
B						
A						
REV			DRN	CHK	APP	DATE

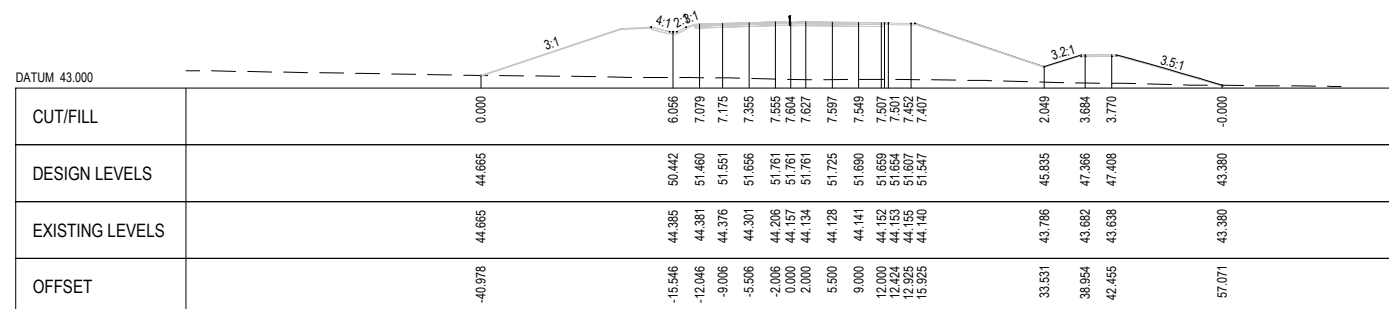
SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Poval	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Poval	21.07.22
PROF REGISTRATION:		

Client: WAKA KOTAHI  
 ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
 CROSS SECTIONS  
 SHEET 10

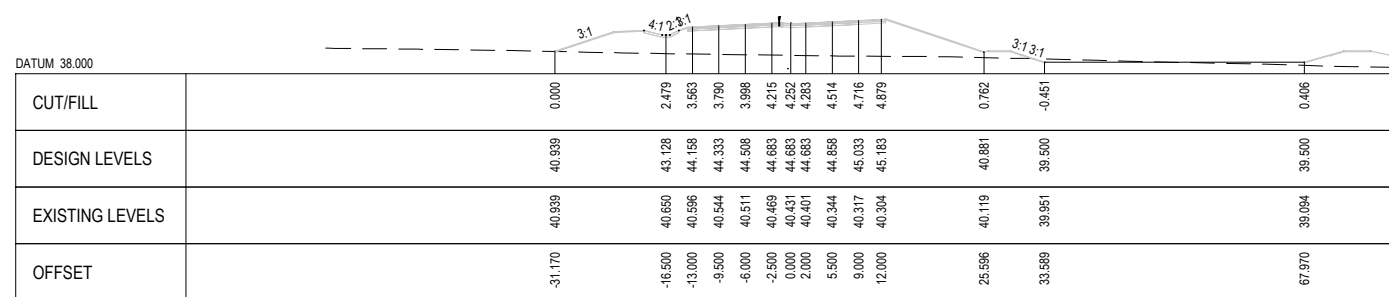
NOT FOR CONSTRUCTION	
FOR CONSENT	
Date Stamp	19.08.22
Scale	AS SHOWN
Drawing No.	310203848-01-100-C2510
Rev.	B



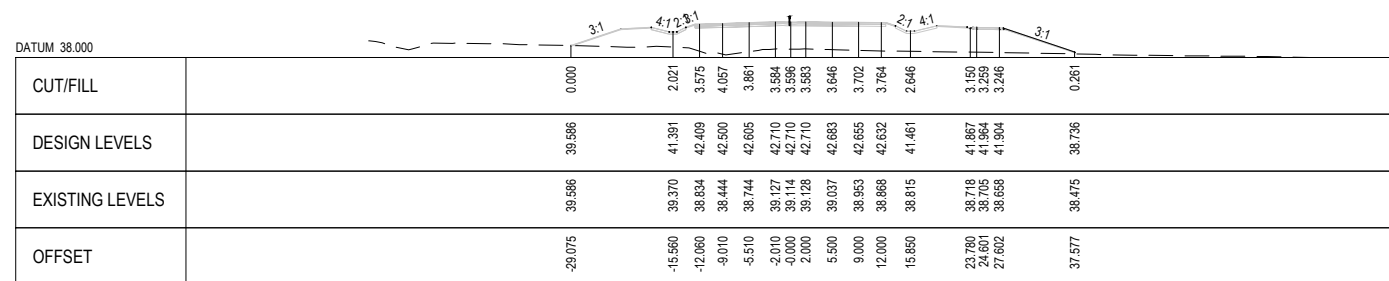
CHAINAGE 30250



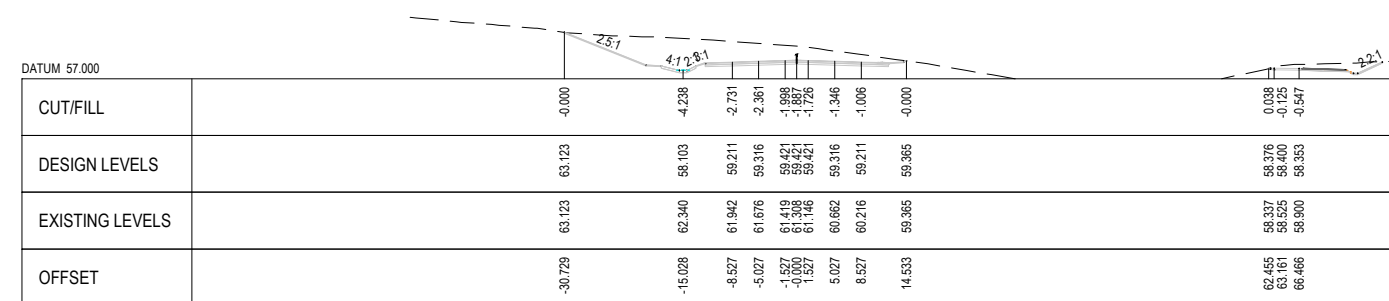
CHAINAGE 30000



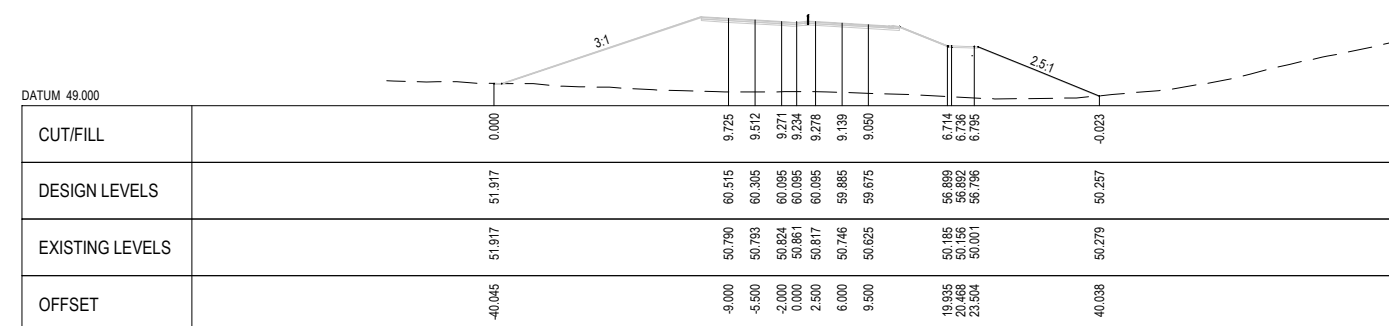
CHAINAGE 29750



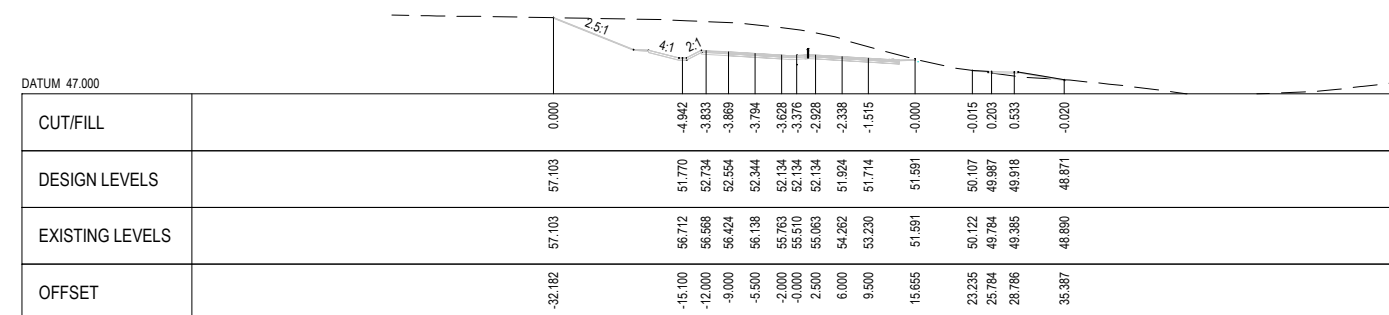
CHAINAGE 29500



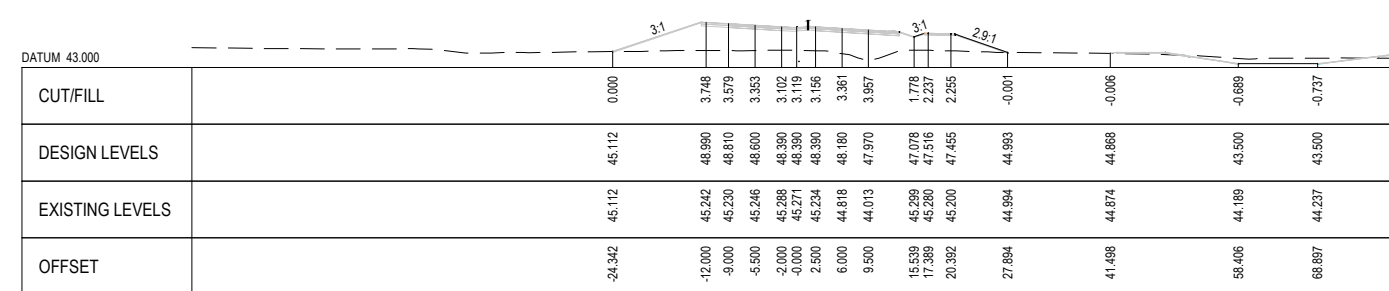
CHAINAGE 31250



CHAINAGE 31000



CHAINAGE 30750



CHAINAGE 30500

NOT FOR CONSTRUCTION

REV	ISSUED FOR RMA CONSENT	ISSUED FOR CONSENT - DRAFT	SS	KW	JP	DATE
B						19.08.22
A						20.04.22

REVISIONS	DRN	CHK	APP	DATE

SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED	PROF REGISTRATION
	Steve Muller	Steve Muller	Steve Sutton	Jamie Povall	Keith Weale	Jamie Povall	



Client: WAKA KOTAHI  
ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT

CROSS SECTIONS  
SHEET 11

Status Stamp	Date Stamp	Scale	Drawing No.	Rev.
<b>FOR CONSENT</b>	19.08.22	AS SHOWN	310203848-01-100-C2511	B

DATUM 24.000	
CUT/FILL	-0.000 1.867 3.195 3.374 3.456 3.451 3.406
DESIGN LEVELS	26.217 27.083 28.227 28.367 28.507 28.507 28.507
EXISTING LEVELS	26.217 25.216 25.032 24.984 25.051 25.076 25.101
OFFSET	-25.688 -15.000 -8.500 -5.000 -1.500 0.000 1.500

CHAINAGE 32250

DATUM 28.000	
CUT/FILL	0.000 2.129 3.465 3.646 3.821 3.813 3.759
DESIGN LEVELS	29.760 31.312 32.456 32.596 32.736 32.736 32.736
EXISTING LEVELS	29.760 29.183 28.992 28.950 28.915 28.915 28.915
OFFSET	-27.756 -15.000 -8.500 -5.000 -1.500 0.000 1.500

CHAINAGE 32000

DATUM 38.000	
CUT/FILL	-0.000 -14.760 -16.605 -17.326 -17.664 -17.663 -16.006
DESIGN LEVELS	45.002 39.374 40.518 40.658 40.798 40.798 40.798
EXISTING LEVELS	45.002 54.134 57.123 57.984 58.662 58.751 58.854
OFFSET	-32.220 -15.000 -8.500 -5.000 -1.500 0.000 1.500

CHAINAGE 31750

DATUM 48.000	
CUT/FILL	0.000 -6.426 -5.031 -4.815 -4.563 -4.512 -4.466
DESIGN LEVELS	57.394 49.480 50.588 50.693 50.798 50.798 50.798
EXISTING LEVELS	57.394 55.906 55.619 55.508 55.361 55.315 55.254
OFFSET	-37.936 -15.000 -8.500 -5.000 -1.500 0.000 1.500

CHAINAGE 31500

DATUM 28.000	
CUT/FILL	-0.000 -8.467 -7.212 -7.176 -7.148 -7.084 -7.028
DESIGN LEVELS	41.688 29.306 30.162 30.022 29.882 29.882 29.882
EXISTING LEVELS	41.688 37.793 37.374 37.198 37.029 36.966 36.910
OFFSET	-49.307 -14.600 -8.500 -5.000 -1.500 0.000 1.500

CHAINAGE 33250

DATUM 27.000	
CUT/FILL	-0.000 -7.866 -5.931 -5.255 -4.887 -4.305 -3.916
DESIGN LEVELS	37.755 28.358 29.324 29.290 29.257 29.257 29.257
EXISTING LEVELS	37.755 36.024 35.255 34.545 33.943 33.562 33.173
OFFSET	41.844 -14.600 -8.500 -5.000 -1.500 0.000 1.500

CHAINAGE 33000

DATUM 26.000	
CUT/FILL	0.000 -8.802 -5.927 -4.988 -4.202 -3.665 -3.527
DESIGN LEVELS	42.639 27.314 28.422 28.527 28.632 28.632 28.632
EXISTING LEVELS	42.639 36.116 34.349 33.515 32.834 32.456 32.159
OFFSET	-56.465 -15.000 -8.500 -5.000 -1.500 0.000 1.500

CHAINAGE 32750

DATUM 22.000	
CUT/FILL	-0.000 -5.774 -3.157 -1.817 -0.866 -0.263 0.125
DESIGN LEVELS	34.728 26.583 27.727 28.007 28.007 28.007 28.007
EXISTING LEVELS	34.728 32.357 30.884 29.684 28.672 28.270 27.862
OFFSET	-42.452 -15.000 -8.500 -5.000 -1.500 0.000 1.500

CHAINAGE 32500

REV	B	ISSUED FOR RMA CONSENT	SS	KW	JP	19.08.22
	A	ISSUED FOR CONSENT - DRAFT	SS	KW	JP	20.04.22
			DRN	CHK	APP	DATE

SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Povall	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Povall	21.07.22
PROF REGISTRATION:		

Client: WAKA KOTAHI  
 ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
 CROSS SECTIONS  
 SHEET 12

**NOT FOR CONSTRUCTION**

Status Stamp: **FOR CONSENT**

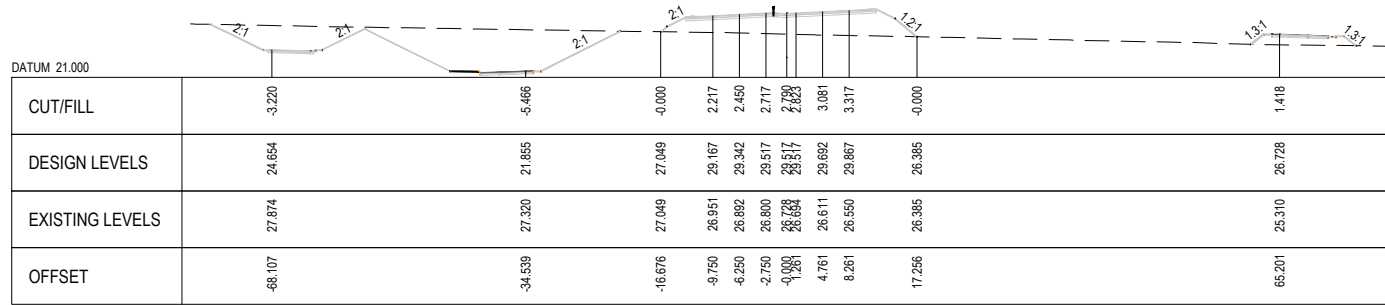
Date Stamp: **19.08.22**

Scale: AS SHOWN

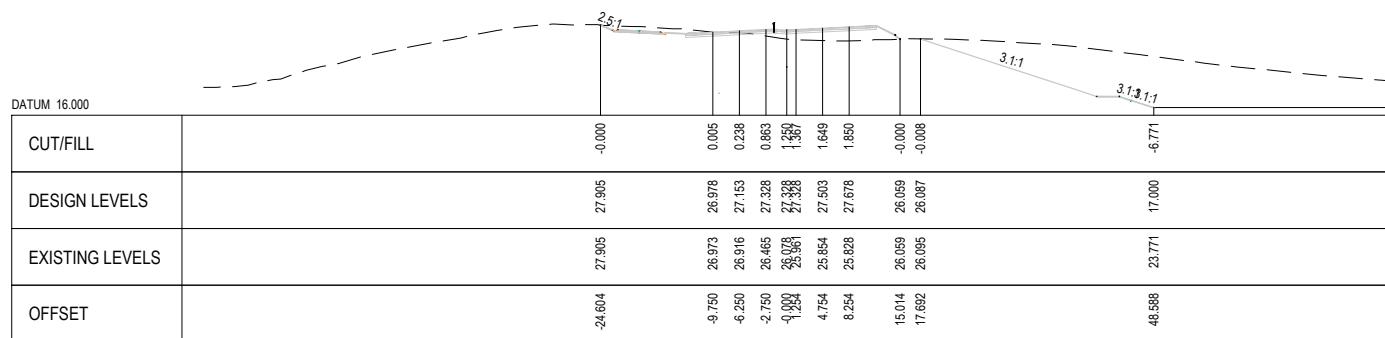
Drawing No: 310203848-01-100-C2512

Rev: **B**

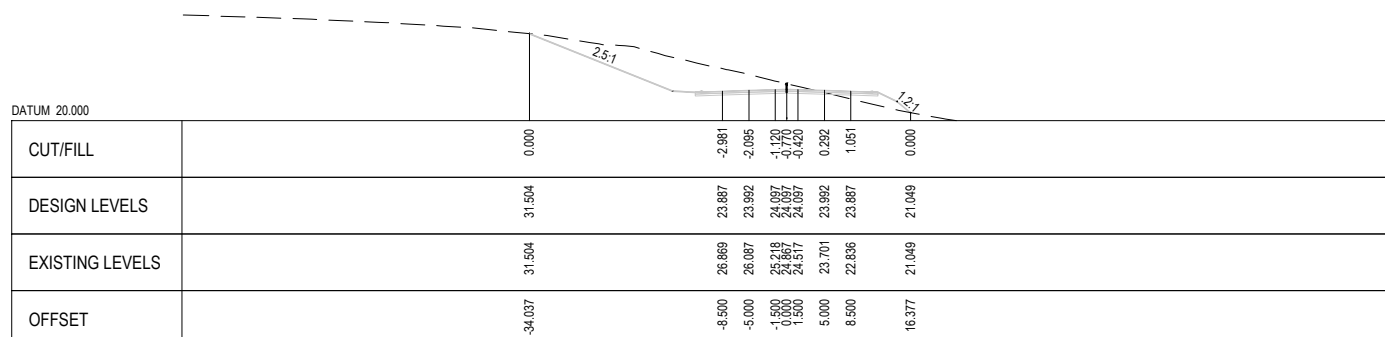
pw:\stntec-ap-pw-bentley.com\stntec-ap-pw-01\Documents\New Zealand Clients\NZTA (New Zealand Transport Agency)\310203848 - Otaki to North of Levin DBC\01 - 02N\1100 - Geometric Design\310203848-01-100-C2512



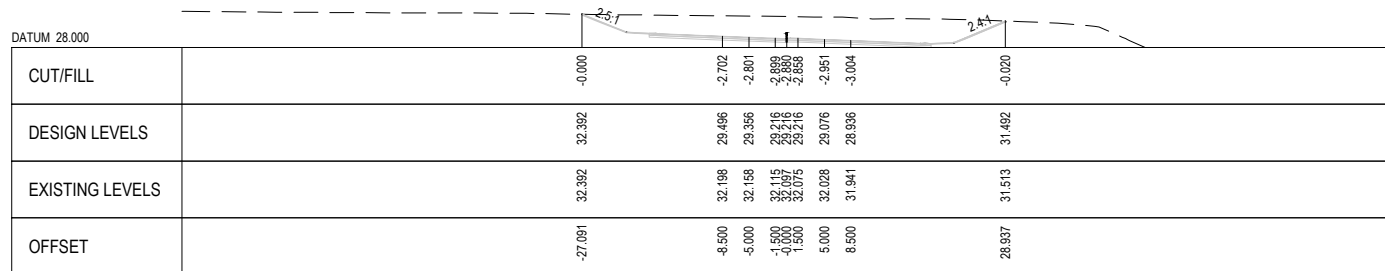
CHAINAGE 34250



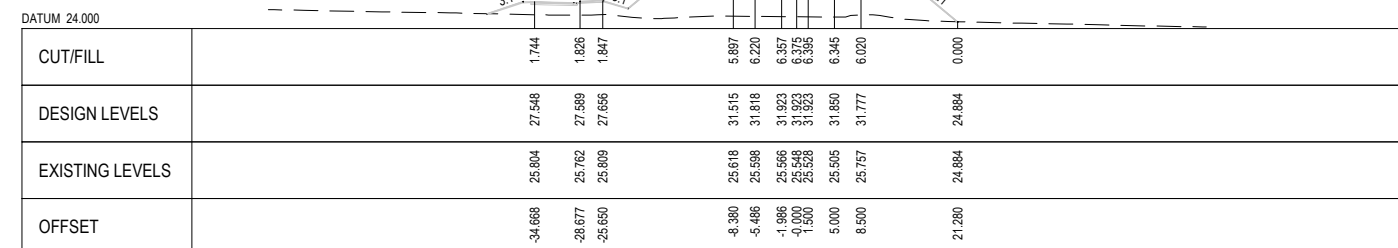
CHAINAGE 34000



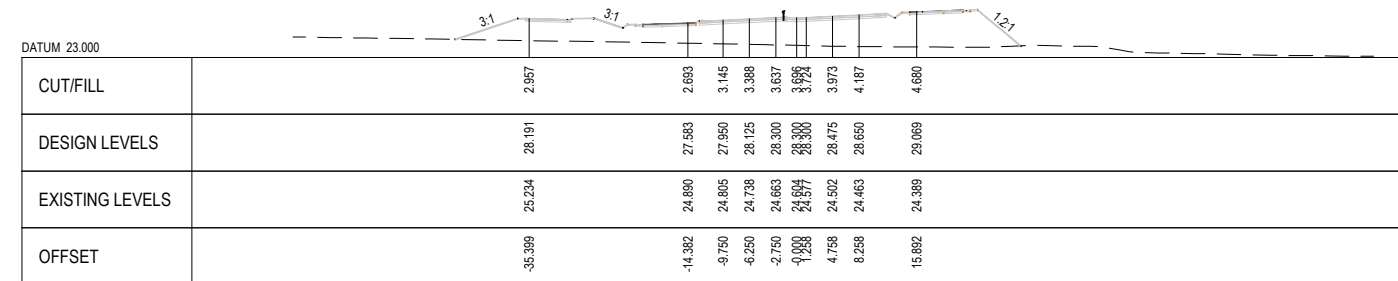
CHAINAGE 33750



CHAINAGE 33500



CHAINAGE 34750



CHAINAGE 34500

REV	DESCRIPTION	SS	KW	JP	DATE
B	ISSUED FOR RMA CONSENT				19.08.22
A	ISSUED FOR CONSENT - DRAFT				20.04.22
		DRN	CHK	APP	DATE

SURVEYED		
DESIGNED	Steve Muller	13.04.22
DRAWN	Steve Muller	13.04.22
CAD REVIEW	Steve Sutton	14.04.22
DESIGN CHECK	Jamie Povall	14.04.22
DESIGN REVIEW	Keith Weale	14.04.22
APPROVED	Jamie Povall	21.07.22
PROF REGISTRATION:		



Client: WAKA KOTAHI  
 ŌTAKI TO NORTH OF LEVIN HIGHWAY PROJECT  
 CROSS SECTIONS  
 SHEET 13

NOT FOR CONSTRUCTION	
Status Stamp	FOR CONSENT
Date Stamp	19.08.22
Scale	AS SHOWN
Drawing No.	310203848-01-100-C2513
Rev.	B