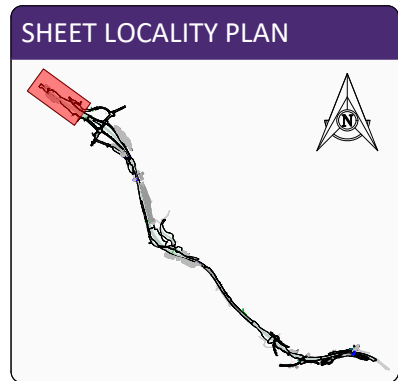
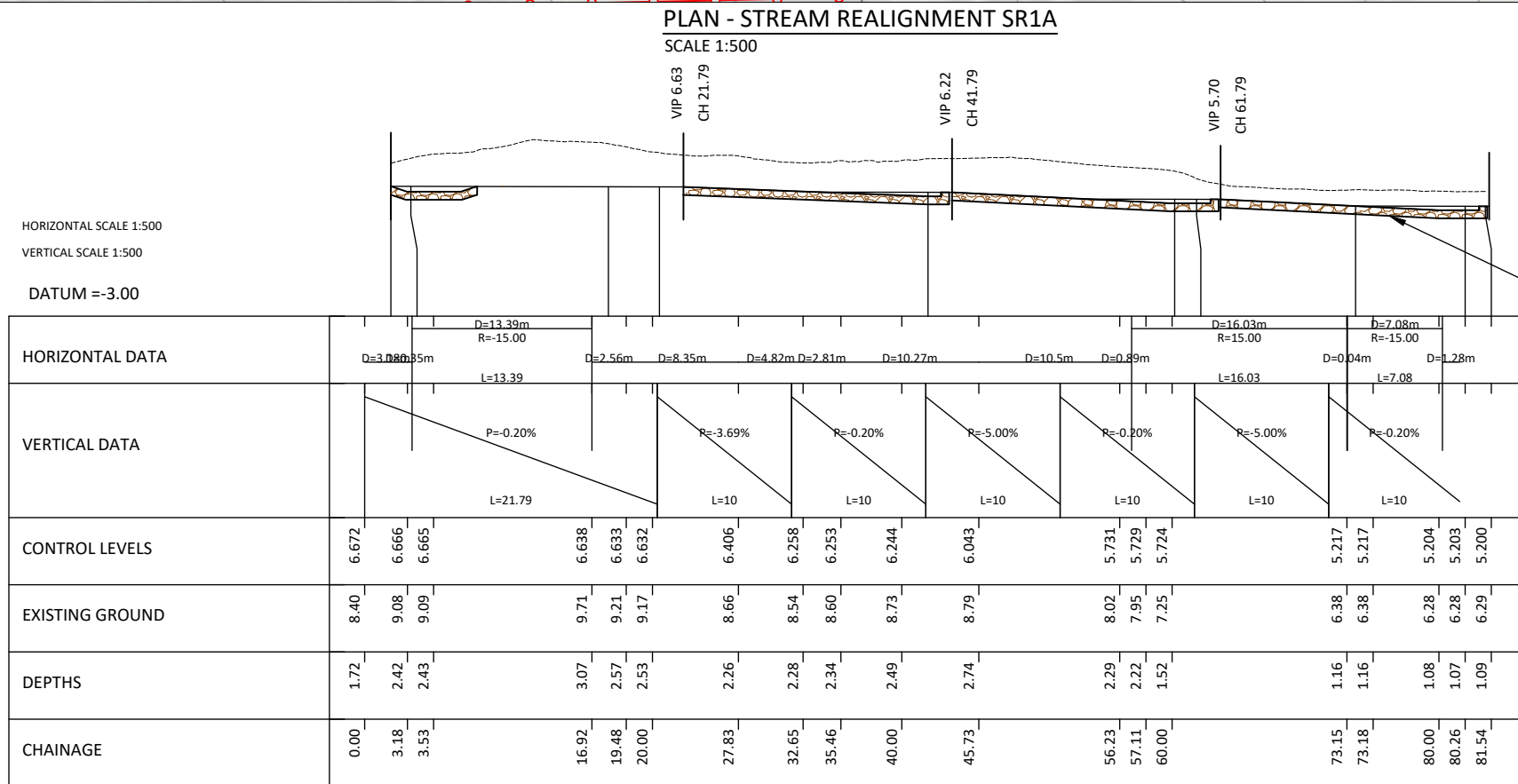
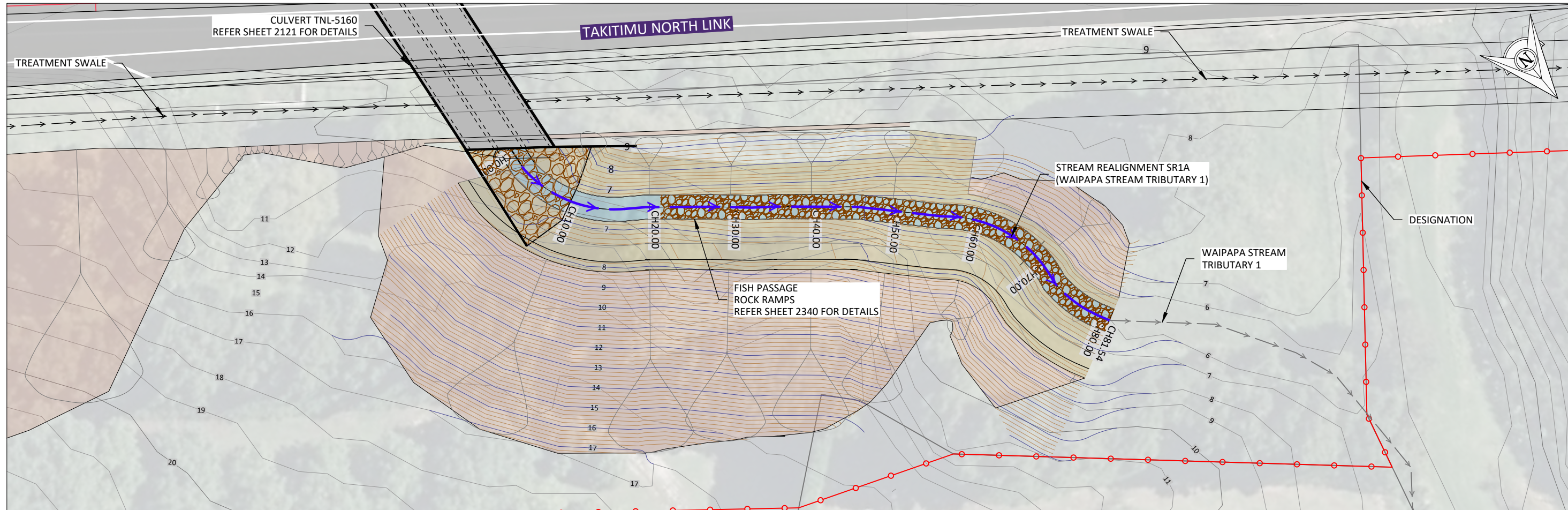


100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

C:\226\data\10.7120_A\144702 - Takitimu North Link Stage 2_509003 Drawings\00144702-00-2300.dwg 28/7/2025 4:22 pm Plotted: 28 Jul 2025 4:22 pm



1:500 (A3) 0 10 20 30m

F 30.07.2025 FTAA APPLICATION			SAP	EV	EV	DESIGNED	CHECKED			CLIENT	PROJECT TAKITIMU NORTH LINK STAGE 2	DRAWING STREAM REALIGNMENT SR1A PLAN AND SECTION	STATUS PRELIMINARY	
E 01.07.2025 FTAA APPLICATION - DRAFT			SAP	EV	EV	JRL/GK	EV						DATE 03.02.2022	SCALE (ORIGINAL SIZE A3) AS SHOWN
D 08.11.2024 CONSENT APPLICATION UPDATE ISSUE			SAP	EV	EV	DRAWN	APPROVED						DRAWING NUMBER 144702-00-2300	REVISION F
C 29.04.2024 CONSENT APPLICATION ISSUE			JRL	EV	EV	JRL	EV							
B 15.08.2023 FINAL DRAFT SPECIMEN DESIGN			JRL	EV	SGB									
A 01.06.2023 DRAFT SPECIMEN DESIGN ISSUE			JL	EV										
DATE			ISSUE/REVISION DETAIL			BY	CHK	APPR						

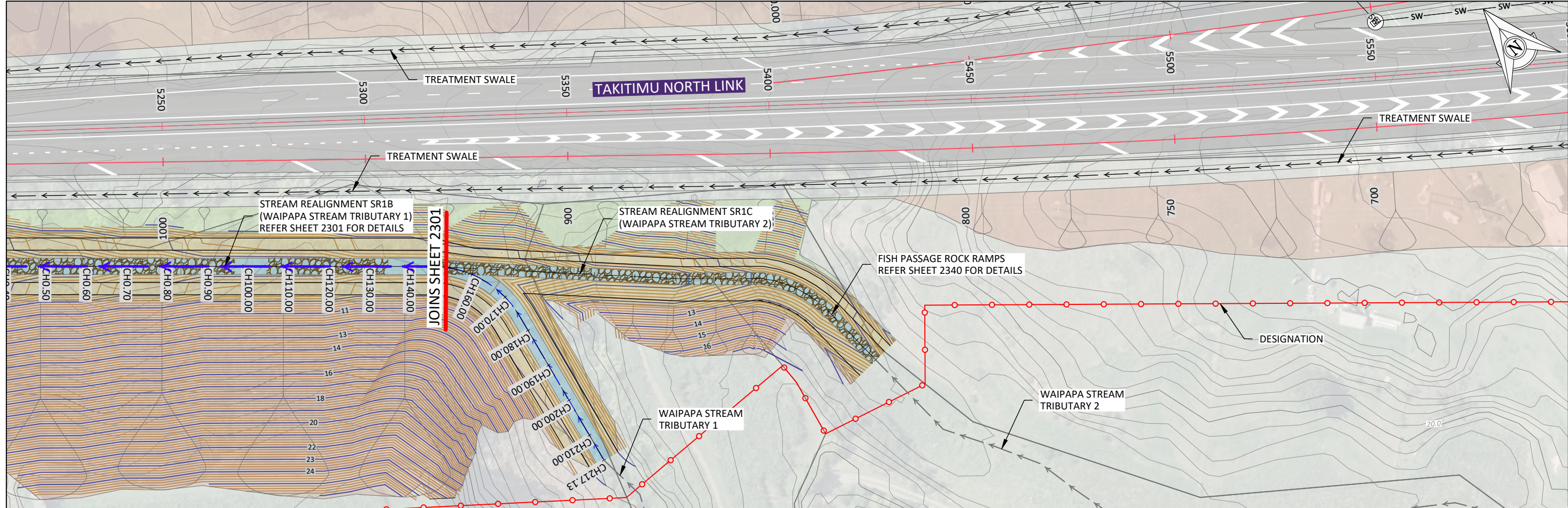
Version 4.0 - March 2020

©copyright

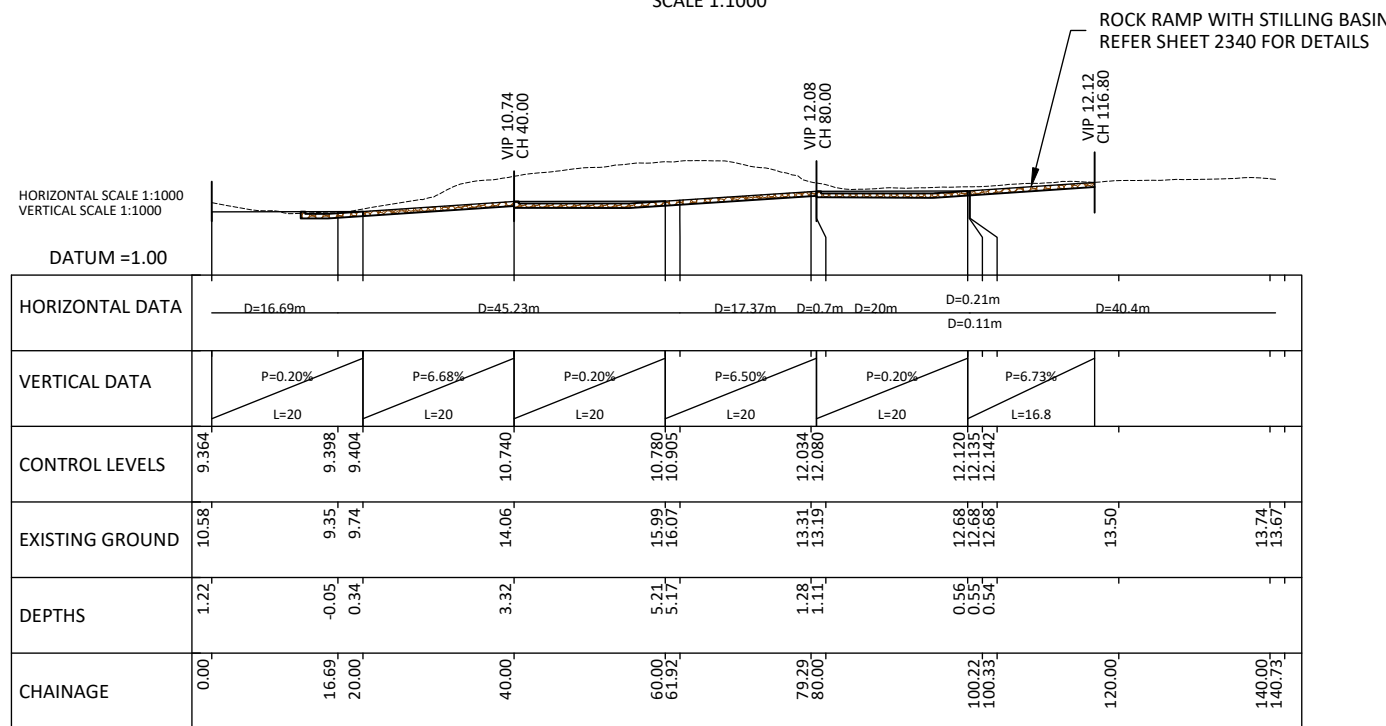
100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

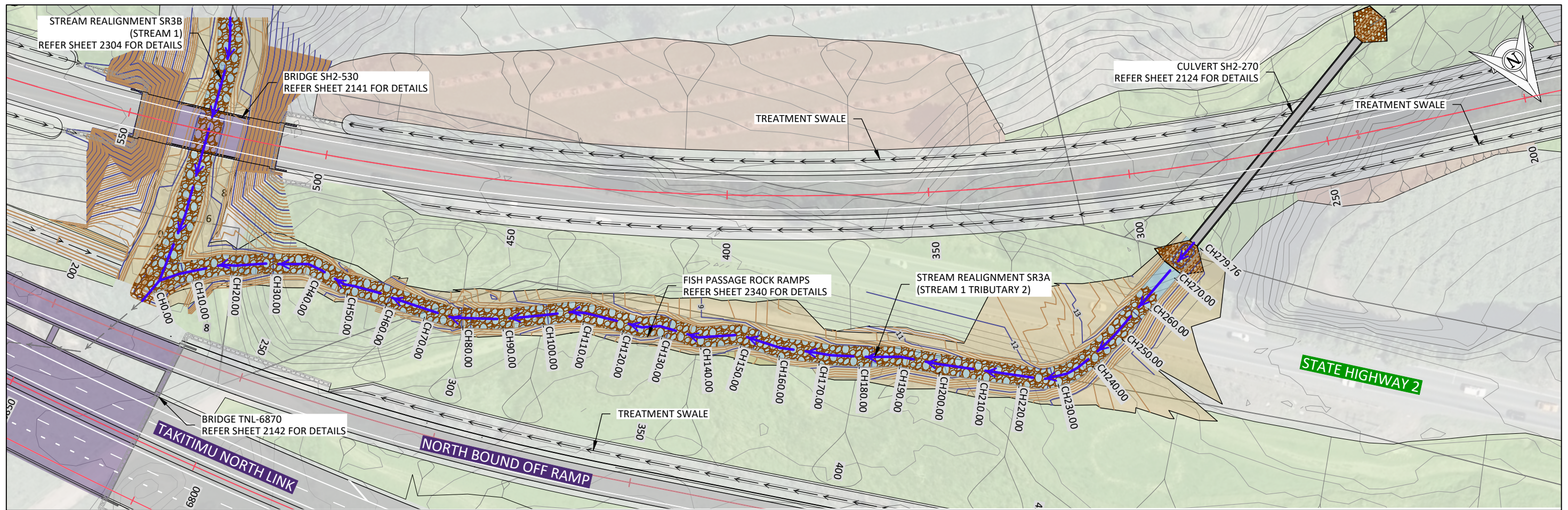
0



1:1000 (A3) 0 20 40 60m

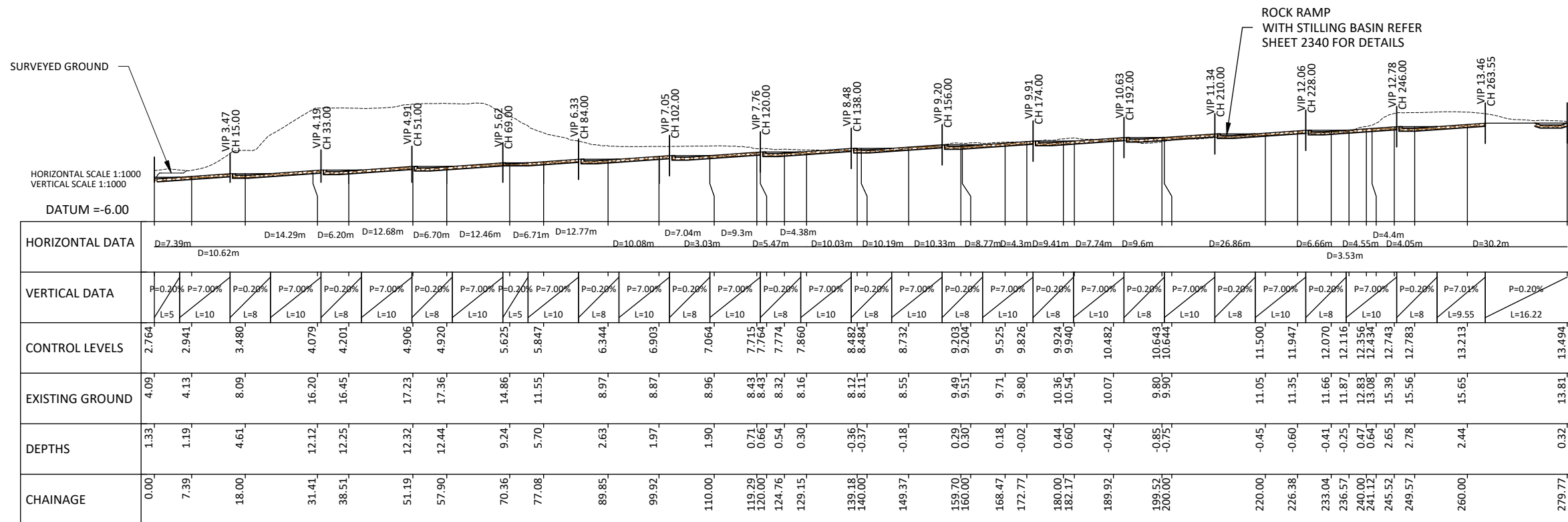


100mm
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY



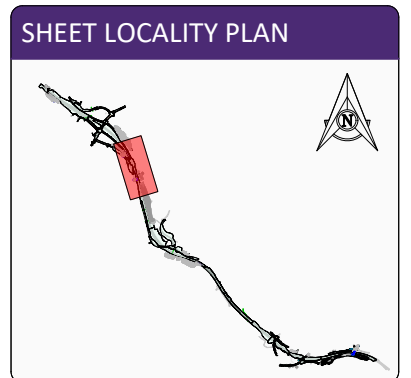
PLAN - STREAM REALIGNMENT SR3A
SCALE 1:1000

1:1000 (A3) 0 20 40 60m



SECTION - STREAM REALIGNMENT SR3A
SCALE 1:1000

1:1000 (A3) 0 20 40 60m



C:\1345\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawing\00144702-00-2303.dwg 28/7/2025 4:21 pm
Version 4.0 - March 2020

<table><tr><td>F</td><td>30.07.2025</td><td>FTAA APPLICATION</td><td>SAP</td><td>EV</td><td>EV</td></tr><tr><td>E</td><td>01.07.2025</td><td>FTAA APPLICATION - DRAFT</td><td>SAP</td><td>EV</td><td>EV</td></tr><tr><td>D</td><td>08.11.2024</td><td>CONSSENT APPLICATION UPDATE ISSUE</td><td>SAP</td><td>EV</td><td>EV</td></tr><tr><td>C</td><td>29.04.2024</td><td>CONSSENT APPLICATION ISSUE</td><td>JRL</td><td>EV</td><td>EV</td></tr><tr><td>B</td><td>15.08.2023</td><td>FINAL DRAFT SPECIMEN DESIGN</td><td>JRL</td><td>EV</td><td>SGB</td></tr><tr><td>A</td><td>01.06.2023</td><td>DRAFT SPECIMEN DESIGN ISSUE</td><td>JRL</td><td>EV</td><td></td></tr><tr><td></td><td>DATE</td><td>ISSUE/REVISION DETAIL</td><td>BY</td><td>CHK</td><td>APPR</td></tr></table>						F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	E	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	D	08.11.2024	CONSSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	C	29.04.2024	CONSSENT APPLICATION ISSUE	JRL	EV	EV	B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	SGB	A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV			DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR	<table><tr><td>DESIGNED</td><td>CHECKED</td></tr><tr><td>JRL/GK</td><td>EV</td></tr><tr><td>DRAWN</td><td>APPROVED</td></tr><tr><td>JRL</td><td>EV</td></tr></table>		DESIGNED	CHECKED	JRL/GK	EV	DRAWN	APPROVED	JRL	EV					CLIENT TAKITIMU NORTH LINK STAGE 2		PROJECT STREAM REALIGNMENT SR3A PLAN AND SECTION		DRAWING STATUS PRELIMINARY	
F	30.07.2025	FTAA APPLICATION	SAP	EV	EV																																																														
E	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV																																																														
D	08.11.2024	CONSSENT APPLICATION UPDATE ISSUE	SAP	EV	EV																																																														
C	29.04.2024	CONSSENT APPLICATION ISSUE	JRL	EV	EV																																																														
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	SGB																																																														
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV																																																															
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR																																																														
DESIGNED	CHECKED																																																																		
JRL/GK	EV																																																																		
DRAWN	APPROVED																																																																		
JRL	EV																																																																		
Version 4.0 - March 2020						mx model version:		DATE		SCALE (ORIGINAL SIZE A3) AS SHOWN																																																									
								DRAWING NUMBER 144702-00-2303		REVISION F																																																									
										©cocrvrieh																																																									

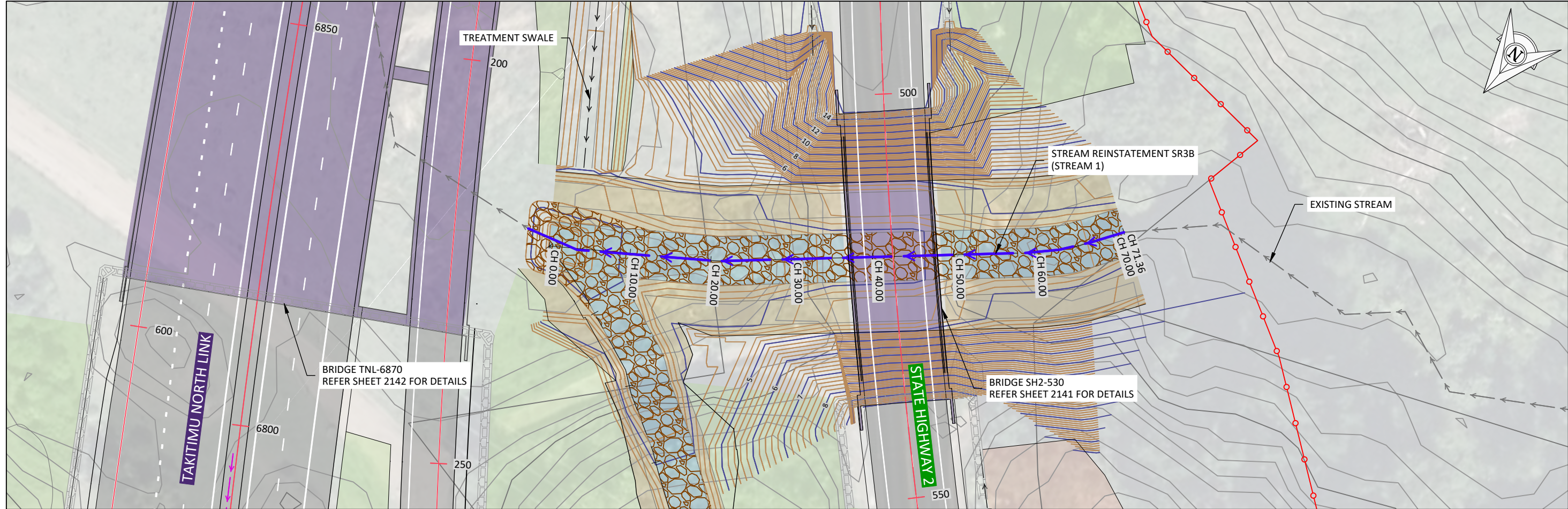
©copyright

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

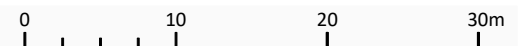
C:\124\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawing\00144702-00-2304.dwg 28/7/2025 4:20 pm plaur Plotted: 28 Jul 2025 4:20 pm



PLAN - STREAM REALIGNMENT SR3B

SCALE 1:500

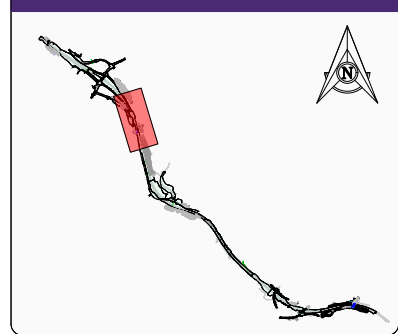
1:500 (A3)



DATUM = -6.00

HORIZONTAL DATA	D=19.78m								D=36.9m				D=8.04m		D=4.32m	
	R=20.00								R=30.00				R=30.00			
	L=2.33								L=8.04							
VERTICAL DATA	P=0.20%	P=6.00%	P=0.20%	P=5.00%	P=0.20%	P=6.00%	P=0.20%	P=4.03%								
	L=5	L=10	L=10	L=10	L=10	L=10	L=10	L=6.38								
CONTROL LEVELS	2.76			3.38	3.38	3.39		3.90				4.52	4.52		4.62	4.79
EXISTING GROUND	4.09			4.26	4.32	4.03		12.15				7.52	6.51		5.58	6.70
DEPTHS	1.33			0.88	0.93	0.64		8.24				3.00	1.99		0.97	1.91
CHAINAGE	0.00			19.78	20.00	22.11		40.00				59.00	60.00		67.04	71.36

SHEET LOCALITY PLAN



SECTION - STREAM REALIGNMENT SR3B

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:500

REV	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR
F	30.07.2025	FTAA APPLICATION	SAP	EV	EV
D	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV
C	08.11.2024	CONSENT APPLICATION UPDATED ISSUE	SAP	EV	EV
B	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV
A	05.05.2023	DRAFT SPECIMEN DESIGN	JRL		

DESIGNED	CHECKED
JL/GK	EV
DRAWN	APPROVED
JRL	EV

mx model version:



PROJECT
TAKITIMU NORTH LINK STAGE 2

DRAWING
STREAM REALIGNMENT
SR3B
PLAN AND SECTION

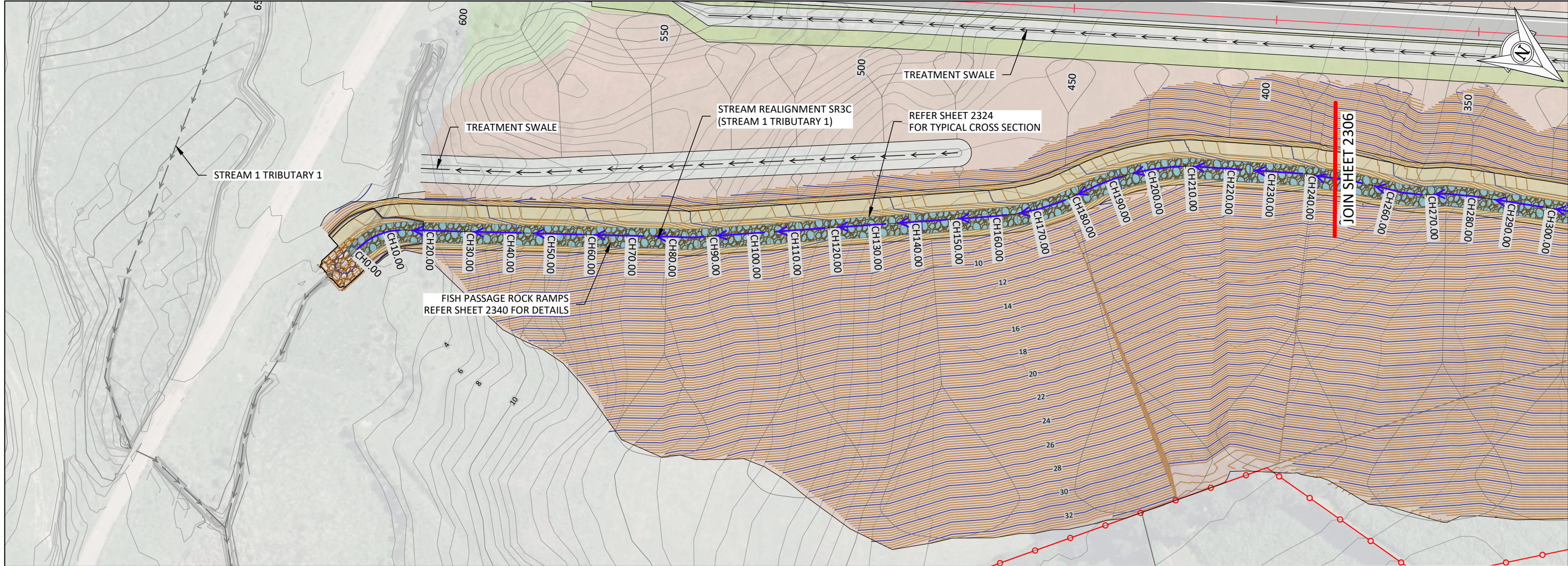
STATUS	
PRELIMINARY	
DATE	SCALE (ORIGINAL SIZE A3)
05.05.2023	AS SHOWN
DRAWING NUMBER	REVISION
144702-00-2304	E

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

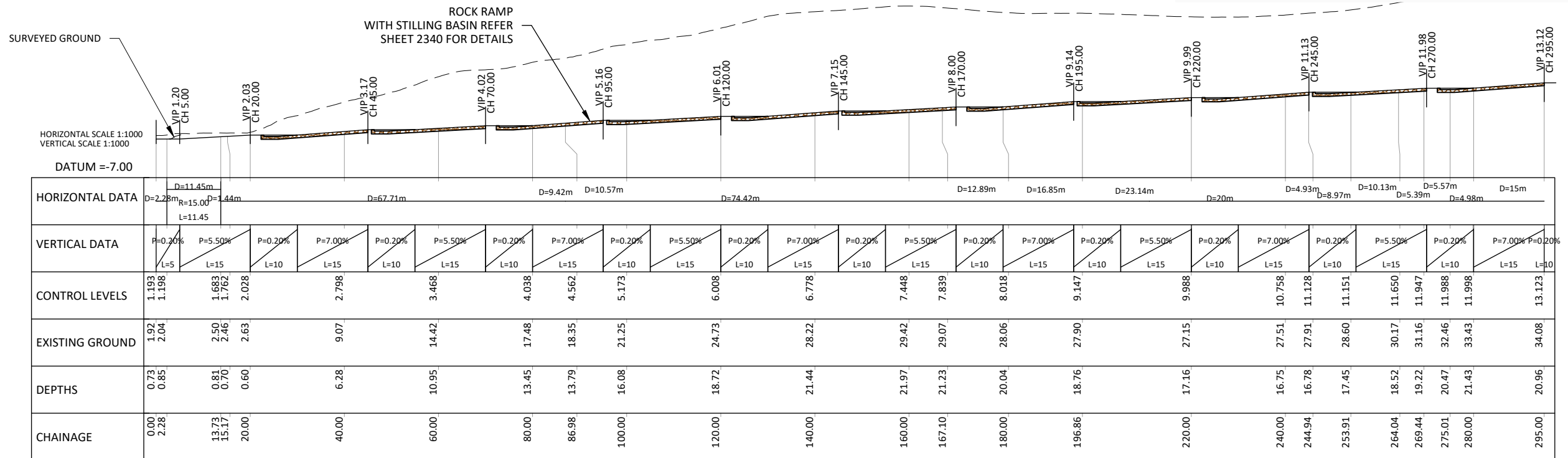
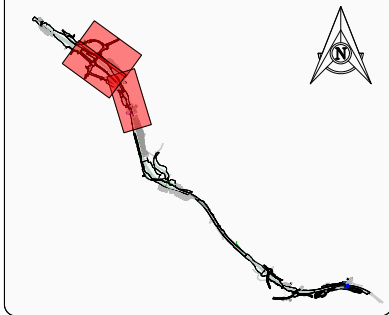
C:\324\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawings\00144702-00-2305.dwg 28/7/2025 4:20 pm plaur Plotted: 28 Jul 2025 4:20 pm



PLAN - STREAM REALIGNMENT SR3C

1:1000 (A3) 0 20 40 60m

SHEET LOCALITY PLAN



SECTION - STREAM REALIGNMENT SR3C

SCALE 1:1000



DESIGNED				CHECKED			
F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JL/GK	EV
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV		
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV		
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	SP/PK	EV
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	SGB		
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV			
DATE				ISSUE/REVISION DETAIL			
Version 4.0 - March 2020							

bbo		NZ TRANSPORT AGENCY		WAKA KOTAHĀ	
CLIENT		PROJECT		DRAWING	
		TAKITIMU NORTH LINK STAGE 2		STREAM REALIGNMENT SR3C	
				PLAN AND SECTION	
				SHEET 1 OF 2	

STATUS		PRELIMINARY	
DATE		05.05.2023	
DRAWING NUMBER		144702-00-2305	
REVISION		F	

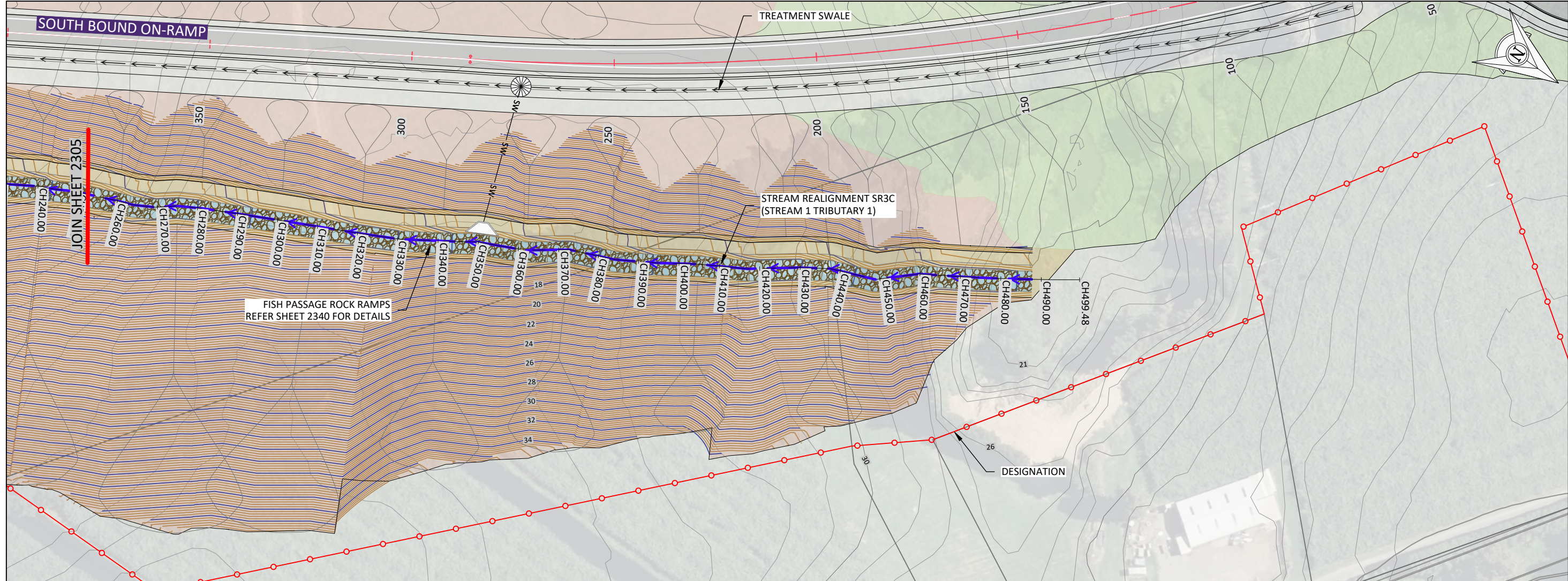
©copyright

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

C:\1245\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawing\00144702-00-2306.dwg 28/7/2025 4:11 pm plaur Plotted: 28 Jul 2025 4:11 pm



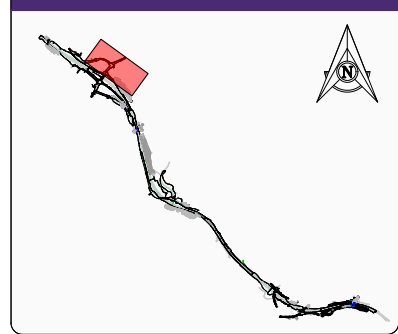
PLAN - STREAM REALIGNMENT SR3C

ROCK RAMP WITH STILLING BASIN
SEE DRAWING 2340

1:1000 (A3)



SHEET LOCALITY PLAN



HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:1000
DATUM =5.00

HORIZONTAL DATA	D=9.14m																		D=20.49m		D=10.04m		D=13.96m		D=5.55m		D=11.3m		D=10.89m		D=11.46m		D=9.96m		D=10.86m		D=12.03m		D=12.46m		D=8.01m		D=11.53m		D=10.72m		D=10.49m		D=9.14m		D=11.08m		D=7.13m	
VERTICAL DATA	P=7.00%		P=0.20%		P=5.50%		P=0.20%		P=7.00%		P=0.20%		P=5.50%		P=0.20%		P=7.00%		P=0.20%		P=5.50%		P=0.20%		P=7.00%		P=0.20%		P=7.00%		P=0.20%		P=0.20%		P=2.71%																			
CONTROL LEVELS	13.123	13.133	13.133		13.968	13.969		14.015		14.738	15.062		15.123	15.124		15.408	15.505		15.963	15.978		16.286		17.033	17.113	17.123		17.781	17.948		17.967		18.525	18.718		19.101		19.464	19.488		19.873	19.877		19.893	19.937									
EXISTING GROUND	34.08	34.02	34.03		34.30	34.31		34.41		34.55	34.50		34.49	34.48		34.60	34.56		34.26	33.81	33.71				33.01	32.44	31.97		31.06	30.80		30.11		29.46	29.28		28.73		26.33	26.21		24.20	23.25		21.25	21.11		20.43	21.46					
DEPTHS	20.96	20.89	20.89		20.33	20.34		20.39			19.81	19.43		19.36	19.36		19.19	19.05		18.30	17.83	17.42			15.98	15.33	14.84		13.28	12.85		12.14		10.94	10.57		9.63		6.86	6.72		4.32	3.37		1.35	1.18								
CHAINAGE	295.00	299.83	300.00		320.00	320.32		330.36		340.00	344.32		349.87	350.47		360.00	361.77		372.66	380.00	384.11			394.07	400.00	404.93		416.96	420.00		429.42		437.43	440.00		448.95		459.67	460.00		470.16	472.12		480.00	481.26		492.35	499.48						

A SECTION - STREAM REALIGNMENT SR3C
SCALE 1:1000

1:1000 (A3)



REV	DATE	DESCRIPTION	DESIGNED	CHECKED	CLIENT	PROJECT	DRAWING	STATUS
F	30.07.2025	FTAA APPLICATION	SAP	EV	JRL/GK	TAKITIMU NORTH LINK STAGE 2	STREAM REALIGNMENT SR3C	PRELIMINARY
E	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	JRL		PLAN AND SECTION	AS SHOWN
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	JRL		SHEET 2 OF 2	
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	JRL			
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	JRL			
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV	JRL			
		ISSUE/REVISION DETAIL	BY	CHK	APPR			

Version 4.0 - March 2020

bb

NZ TRANSPORT AGENCY
WAKA KOTAHU

STATUS: PRELIMINARY

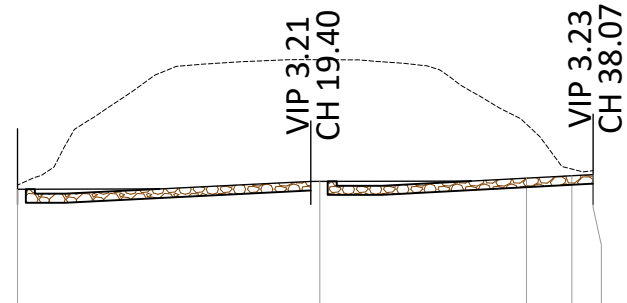
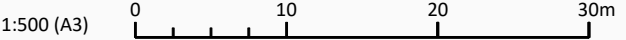
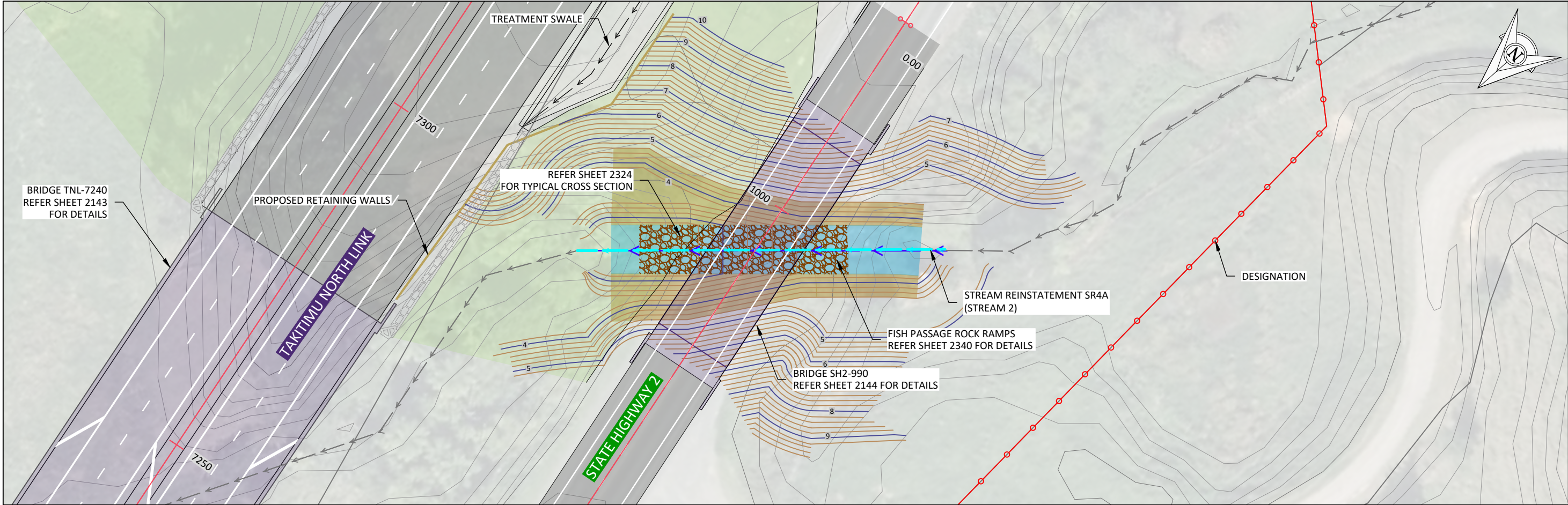
DATE: 05.05.2023

DRAWING NUMBER: 144702-00-2306

REVISION: F

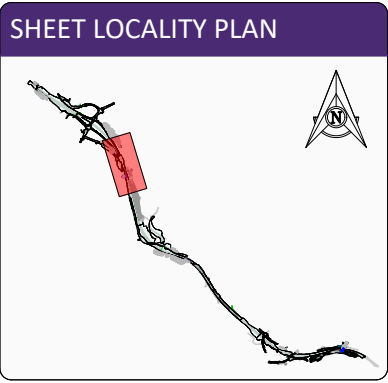
©copyright

100mm
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY



HORIZONTAL DATA	D=33.67m				D=3m	
					D=1.4m	
VERTICAL DATA	P=0.20%	P=5.00%	P=0.20%	P=5.30%	R=40.00	
	L=9.4	L=10	L=10.6	L=8.08	L=3.00	
CONTROL LEVELS	2.69	3.21		3.43	3.59	3.66
EXISTING GROUND	2.99	11.26		6.99	4.03	3.92
DEPTHS	0.29	8.04		3.57	0.44	0.26
CHAINAGE	0.00	20.00		33.67	36.67	38.07

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:500



C:\1345\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawing\00144702-00-2307.dwg 28/7/2025 4:10 pm plaur Plotted: 28 Jul 2025 4:10 pm

				DESIGNED		CHECKED				CLIENT	PROJECT	DRAWING	STATUS						
E	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JRL/GK	EV							TAKITIMU NORTH LINK STAGE 2	STREAM REALIGNMENT SR4A PLAN AND SECTION	PRELIMINARY			
D	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV		APPROVED										SCALE (ORIGINAL SIZE A3) AS SHOWN		
C	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL	EV											REVISION	
B	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV														E
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV															
DATE		ISSUE/REVISION DETAIL		BY	CHK	APPR													

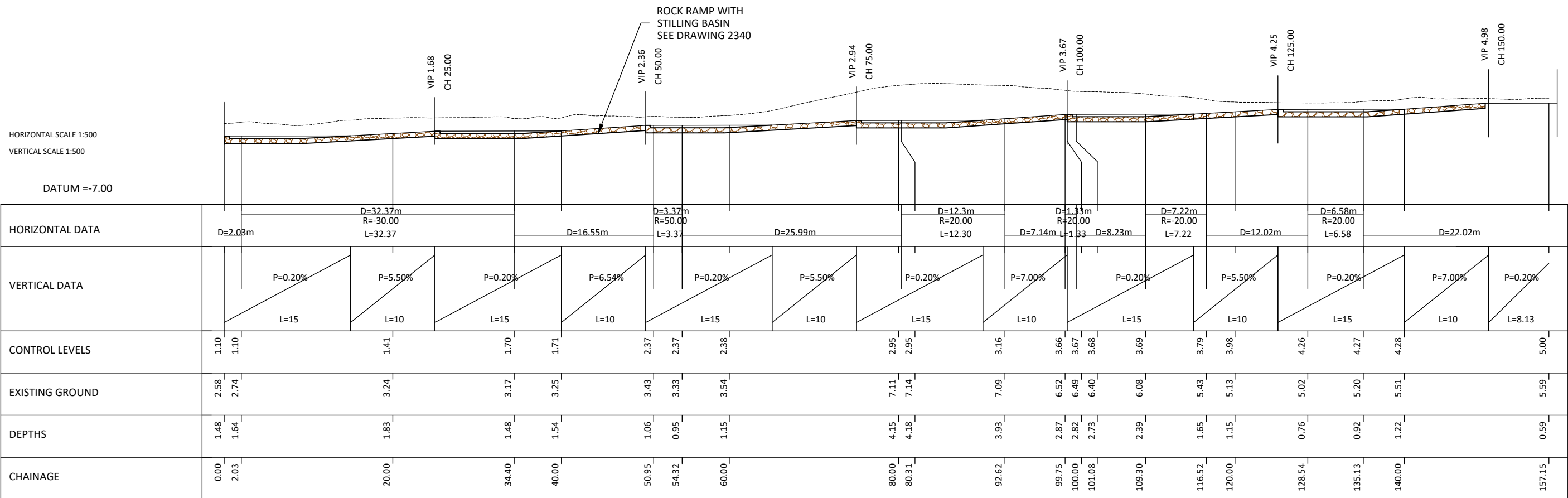
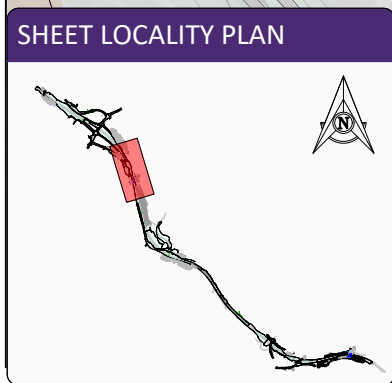
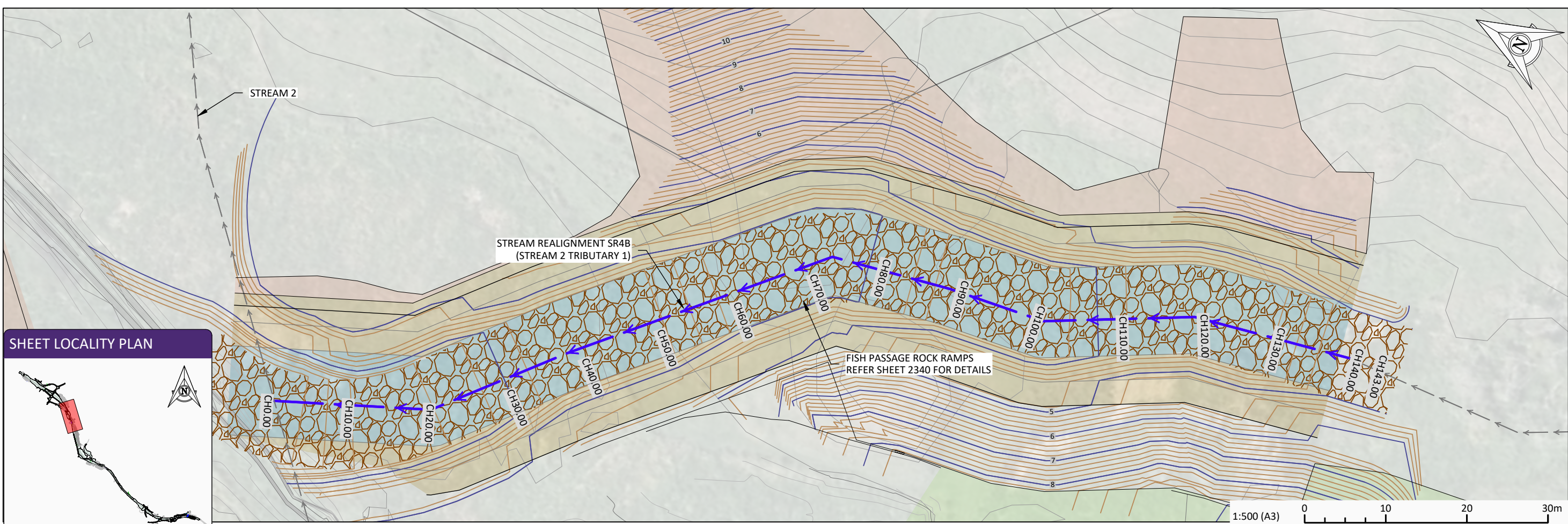
©copyright

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

C:\1245\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawings\00144702-00-2308.dwg 28/7/2025 4:10 pm Plotted: 28 Jul 2025 4:10 pm



HORIZONTAL DATA	D=2.03m		D=32.37m R=30.00 L=32.37		D=16.55m			D=3.37m R=50.00 L=3.37		D=25.99m			D=12.3m R=20.00 L=12.30		D=7.14m R=20.00 L=7.14		D=8.23m		D=7.22m R=20.00 L=7.22		D=12.02m		D=6.58m R=20.00 L=6.58		D=22.02m			
VERTICAL DATA	P=0.20% L=15		P=5.50% L=10		P=0.20% L=15			P=6.54% L=10		P=0.20% L=15			P=5.50% L=10		P=0.20% L=15		P=7.00% L=10		P=0.20% L=15		P=5.50% L=10		P=0.20% L=15		P=7.00% L=10		P=0.20% L=8.13	
CONTROL LEVELS	1.10	1.10	1.41		1.70			1.71	2.37	2.37	2.38	2.95			2.95	3.16	3.66	3.67	3.68	3.69	3.79	3.98	4.26		4.27	4.28	5.00	
EXISTING GROUND	2.58	2.74	3.24		3.17			3.25	3.43	3.33	3.54	7.11			7.14	7.09	6.52	6.49	6.40	6.08	5.43	5.13	5.02		5.20	5.51	5.59	
DEPTHS	1.48	1.64	1.83		1.48			1.54	1.06	0.95	1.15	4.15			4.18	3.93	2.87	2.82	2.73	2.39	1.65	1.15	0.76		0.92	1.22	0.59	
CHAINAGE	0.00	2.03	20.00		34.40			40.00	50.95	54.32	60.00	80.00			80.31	92.62	99.75	100.00	101.08	109.30	116.52	120.00	128.54		135.13	140.00	157.15	

F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JRL/GK	EV			CLIENT TAKITIMU NORTH LINK STAGE 2	DRAWING STREAM REALIGNMENT SR4B PLAN AND SECTION	STATUS PRELIMINARY DATE 05.05.2023 SCALE (ORIGINAL SIZE A3) AS SHOWN DRAWING NUMBER 144702-00-2308 REVISION F
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JRL	EV					
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL	EV					
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	JRL	EV					
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	EV	JRL	EV					
A	05.05.2023	DRAFT SPECIMEN DESIGN	JRL	EV	EV	JRL	EV					
DATE		ISSUE/REVISION DETAIL		BY	CHK	APPR						

Version 4.0 - March 2020

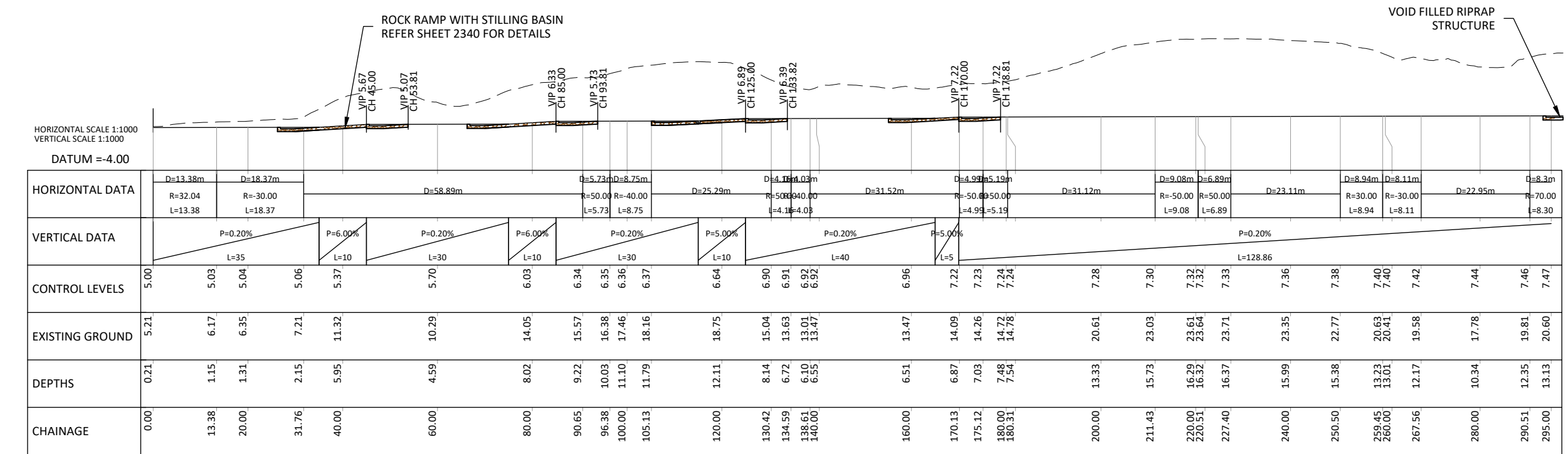
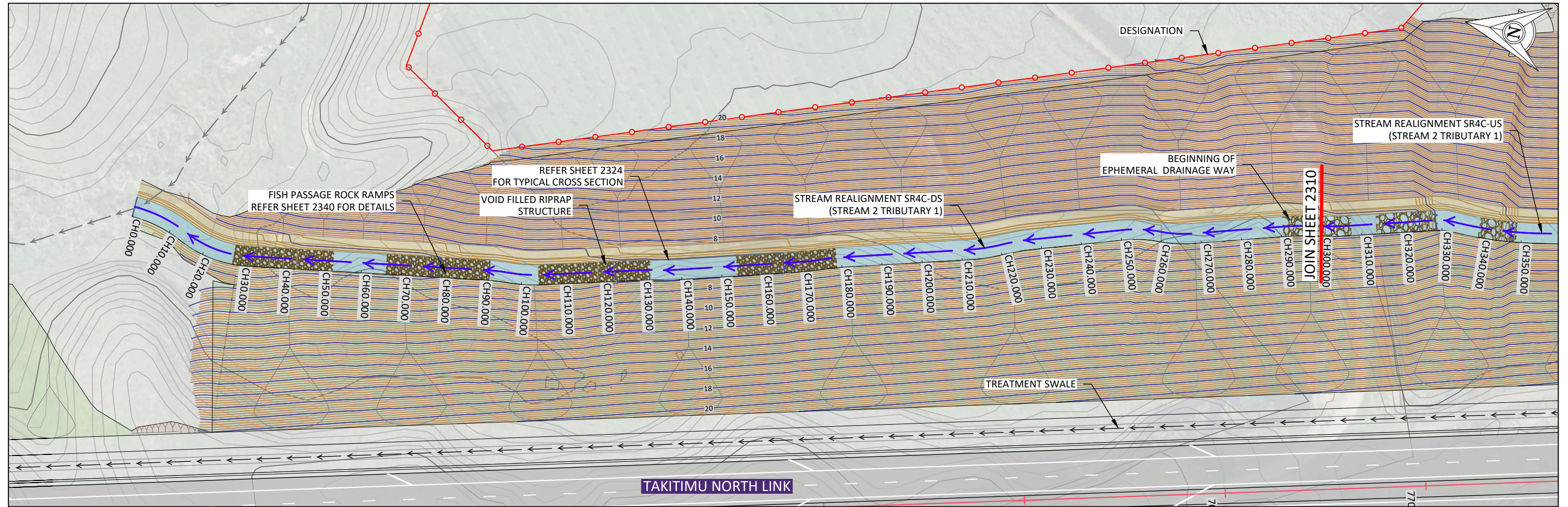
©copyright

100mm

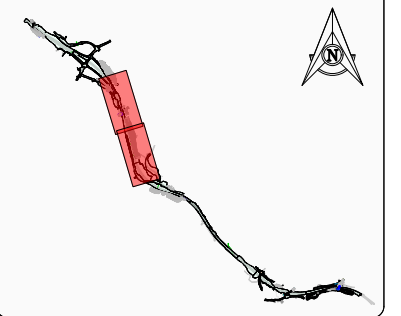
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

C:\226\data\10.7.120_A\144702 - Takitimu North Link Stage 2_509003 Drawings\00144702-00-2309.dwg 28/7/2025 4:09 pm platur Plotter: 28 Jul 2025 4:09 pm



SHEET LOCALITY PLAN



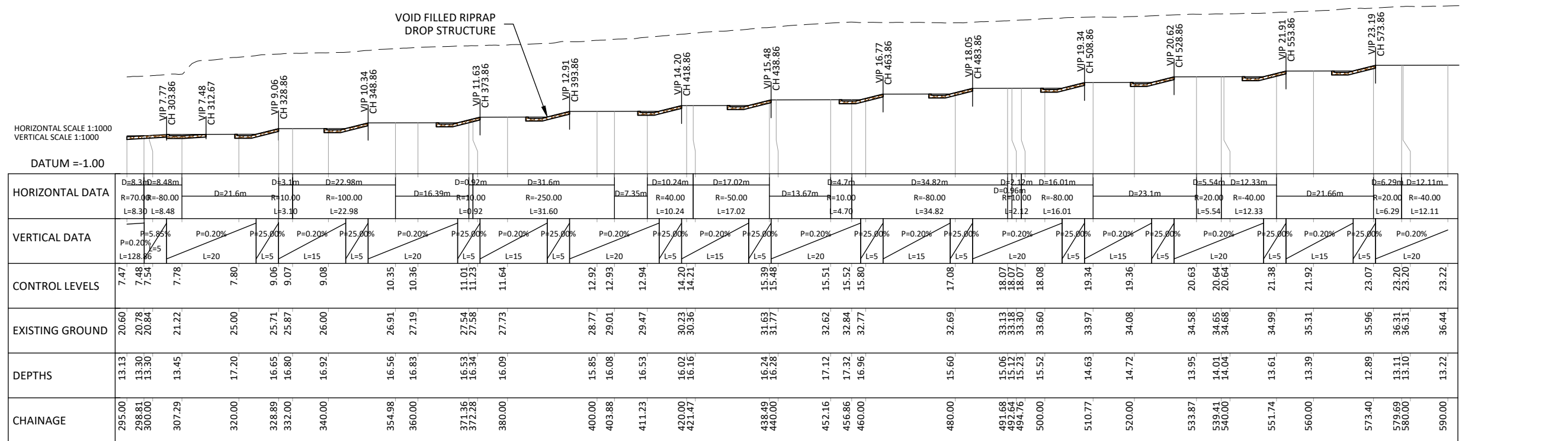
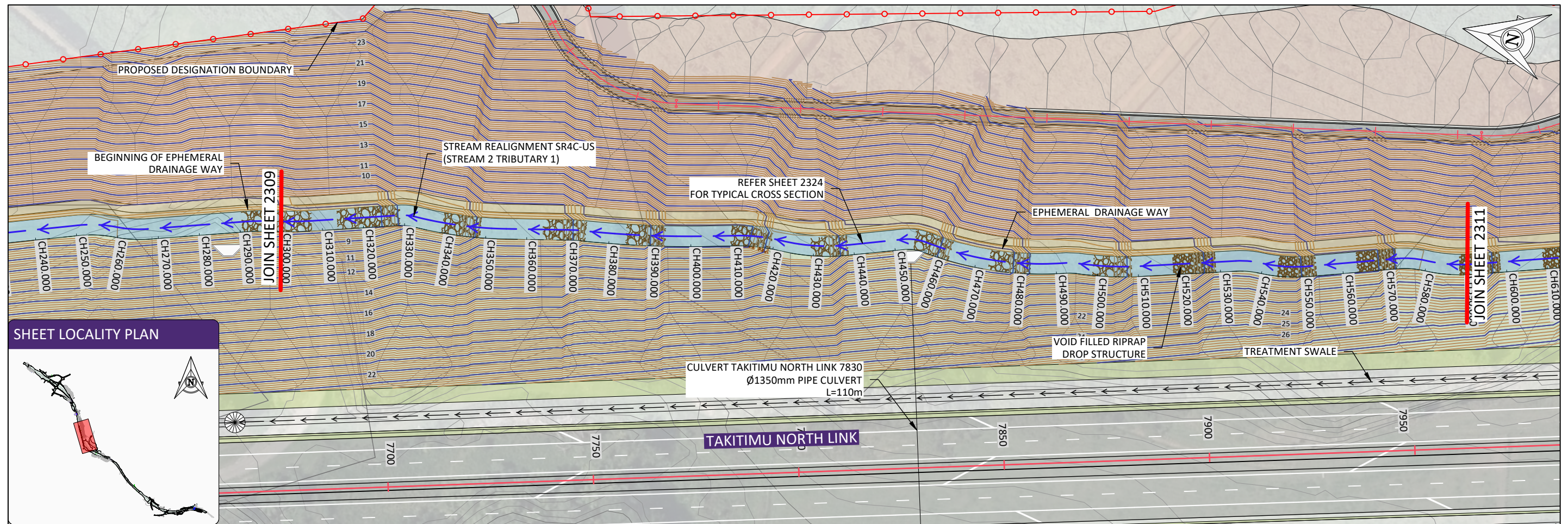
1:1000 (A3) 0 20 40 60m

F 30.07.2025 FTAA APPLICATION			SAP	EV	EV	DESIGNED	CHECKED			CLIENT	PROJECT	TAKITIMU NORTH LINK STAGE 2	DRAWING	STREAM REALIGNMENT SR4C PLAN AND SECTION SHEET 1 OF 3	STATUS	PRELIMINARY		
E 01.07.2025 FTAA APPLICATION - DRAFT			SAP	EV	EV	JRL/GK	EV											
D 08.11.2024 CONSENT APPLICATION UPDATE ISSUE			SAP	EV	EV	DRAWN	APPROVED											
C 29.04.2024 CONSENT APPLICATION ISSUE			JRL	EV	EV												JRL	EV
B 15.08.2023 FINAL DRAFT SPECIMEN DESIGN			JRL	EV	SGB													
A 01.06.2023 DRAFT SPECIMEN DESIGN ISSUE			JRL	EV		mx model version:												
DATE			BY	CHK	APPR													
ISSUE/REVISION DETAIL																		
05.05.2023																		
144702-00-2309																		

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

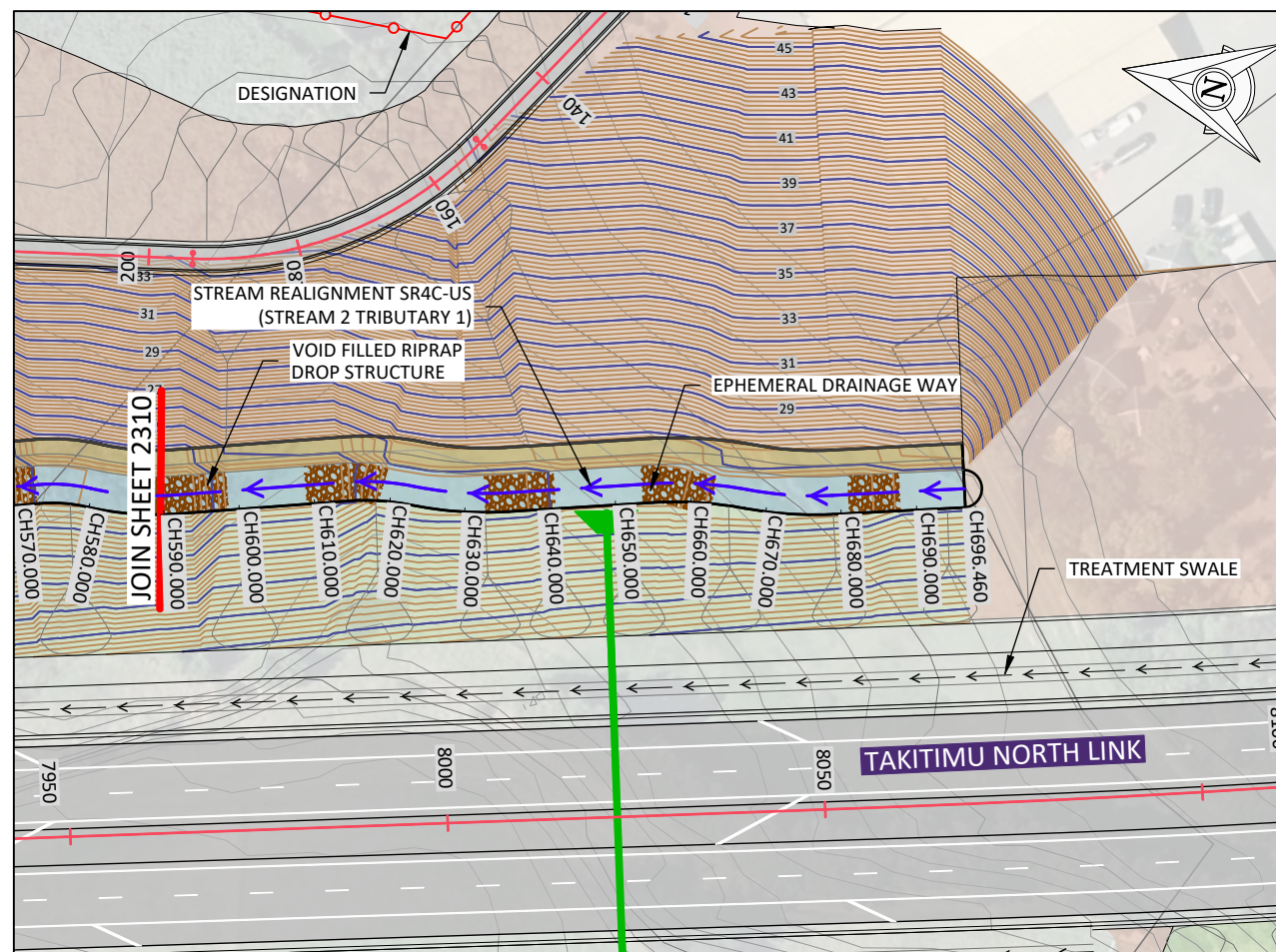


C:\124\data\107.120.14\144702 - Takitimu North Link Stage 2 - 5090\03 Drawing\00144702-00-2310.dwg 28/7/2025 4:01 pm plaur Plotted: 28 Jul 2025 4:01 pm

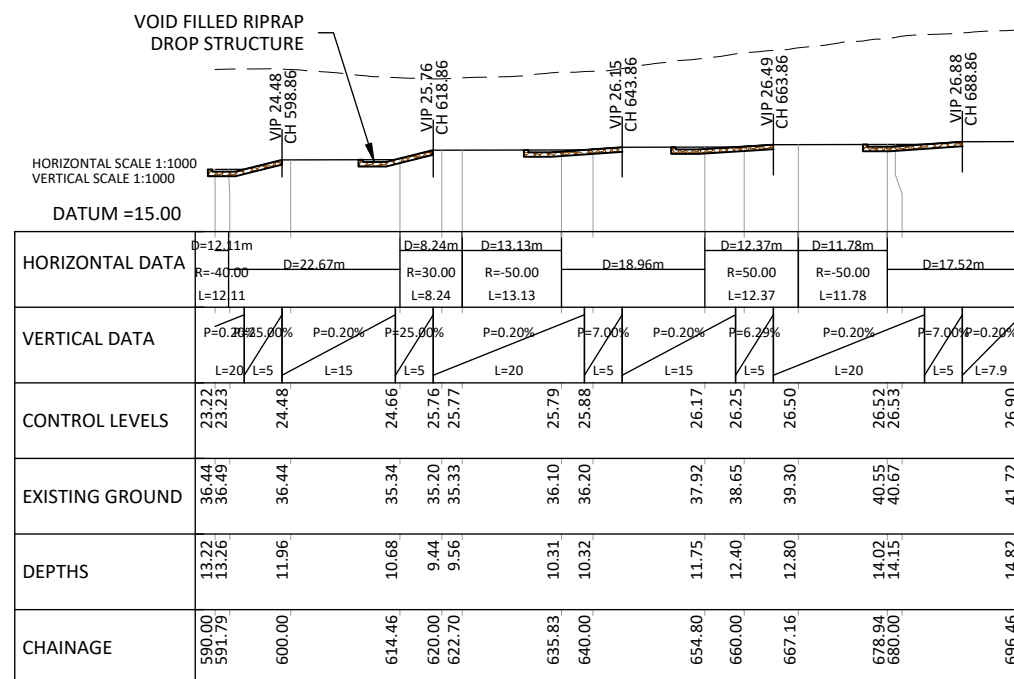
DESIGNED				CHECKED			
F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JRL/GK	EV
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JRL	EV
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL	EV
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	JRL	EV
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	EV	JRL	EV
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV	EV	JRL	EV
DATE				ISSUE/REVISION DETAIL			
Version 4.0 - March 2020							

CLIENT		PROJECT		DRAWING		STATUS	
bbo		TAKITIMU NORTH LINK STAGE 2		STREAM REALIGNMENT SR4C		PRELIMINARY	
NZ TRANSPORT AGENCY WAKA KOTAHU				PLAN AND SECTION		AS SHOWN	
				SHEET 2 OF 3		REVISION	
						F	

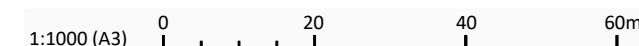
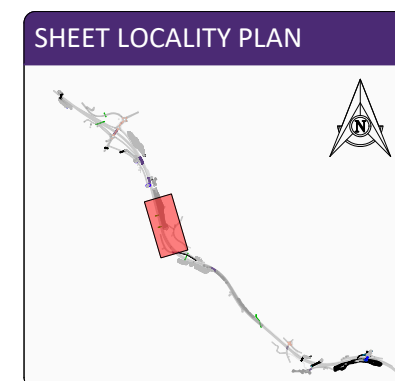
DATE		SCALE (ORIGINAL SIZE A3)	
05.05.2023		AS SHOWN	
DRAWING NUMBER		REVISION	
144702-00-2310		F	



PLAN - STREAM REALIGNMENT SR4C
SCALE 1:1000



 SECTION - STREAM REALIGNMENT SR4C
SCALE 1:1000



F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JRL/GK	EV
E	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	DRAWN	APPROVED
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL	EV
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	mx model version:	
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	SGB		
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV			
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		

NZ TRANSPORT AGENCY
WAKA KOTAHĪ

CLIENT

TAKITIMU NORTH LINK STAGE 2

PROJECT

STREAM REALIGNMENT SR4C
PLAN AND SECTION SHEET 3 OF 3

DRAWING

STATUS PRELIMINARY

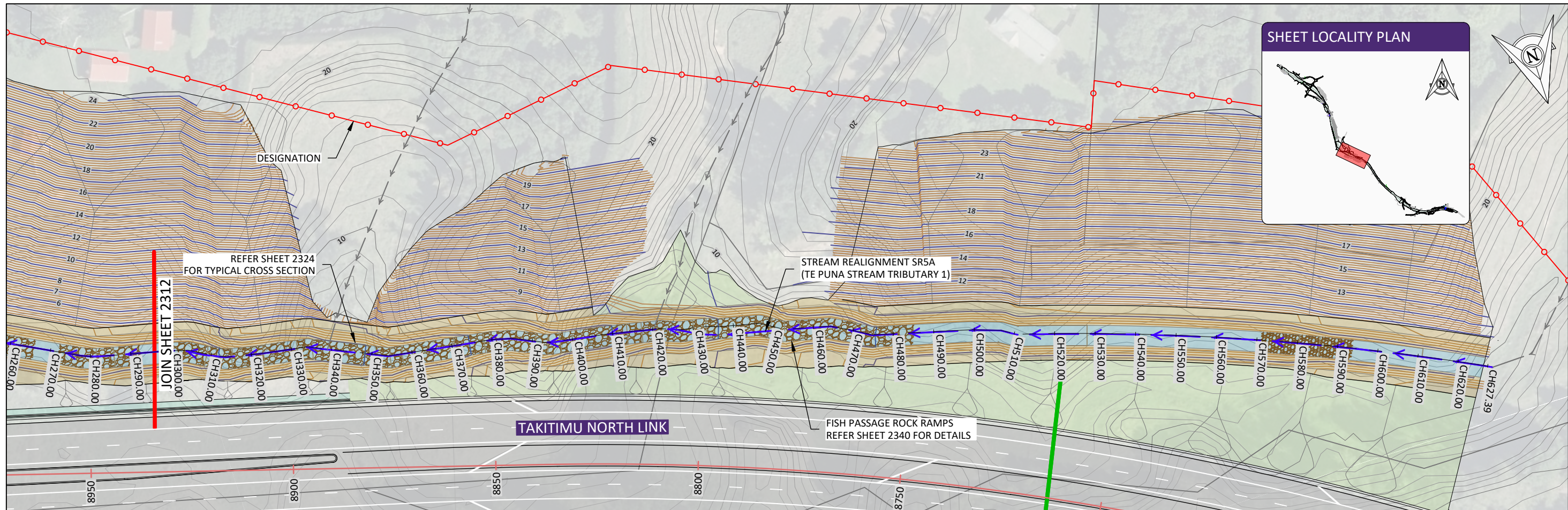
DATE 05.05.2023 SCALE (ORIGINAL SIZE A3) AS SHOWN

DRAWING NUMBER 144702-00-2311 REVISION F

100mm
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

C:\124\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawing\00144702-00-2313.dwg 28/7/2025 3:56 pm plaur Plotted: 28 Jul 2025 3:56 pm



PLAN - STREAM REALIGNMENT SR5A

SCALE 1:1000

ROCK RAMP WITH STILLING
BASIN
REFER SHEET 2340 FOR DETAILS

HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:1000

DATUM = -5.00

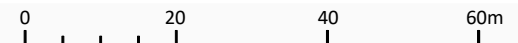
HORIZONTAL DATA	D=9.18m		D=14.68m		D=9.82m		D=11.29m		D=14.28m		D=25.45m		D=15.07m		D=20.63m		D=17.36m		D=13.65m		D=10.77m		D=20.96m		D=91.98m										D=19.79m		D=34.30m							
VERTICAL DATA	 P=0.20% L=20		 P=6.50% L=10		 P=0.20% L=10		 P=5.50% L=10		 P=0.20% L=10		 P=6.50% L=10		 P=0.20% L=10		 P=5.50% L=10		 P=0.20% L=10		 P=6.50% L=10		 P=0.20% L=10		 P=5.50% L=10		 P=0.20% L=10		 P=4.00% L=10		 P=0.20% L=100										 P=4.00% L=10		 P=0.20% L=10		 P=0.61% L=29.29	
CONTROL LEVELS	3.714	3.732	4.392		4.449		4.964		5.388		6.203		6.663		7.300		7.773		8.127		8.639		9.100		9.284										9.704		9.882							
EXISTING GROUND	5.71	6.65	11.99		10.18		4.84		7.57		13.30		14.33		3.85		5.23		7.37		7.64		11.54		12.56										12.31		10.62							
DEPTHS	2.00	2.91	7.60		5.74		-0.13		2.18		7.10		7.66		-3.45		-2.54		-0.76		-1.00		2.44		3.27										2.61		0.73							
CHAINAGE	295.00	304.19	318.87		328.70		340.00		354.28		379.74		394.81		415.45		432.82		446.47		457.25		478.22		570.20										590.00		624.31							
																																					627.39							



SECTION - STREAM REALIGNMENT SR5A

SCALE 1:1000

1:1000 (A3)



F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	DESIGNED	JRL/GK	CHECKED	EV
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	SAP	EV	EV	EV
D	08.11.2024	CONSIST APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL	EV	EV	EV
C	29.04.2024	CONSIST APPLICATION ISSUE	JRL	EV	EV	JRL	EV	EV	EV
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	EV	JRL	EV	EV	EV
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV	EV	JRL	EV	EV	EV
DATE		ISSUE/REVISION DETAIL		BY	CHK	APPR	mx model version:		

DESIGNED	JRL/GK	CHECKED	EV
DRAWN	JRL	APPROVED	EV



PROJECT
TAKITIMU NORTH LINK STAGE 2

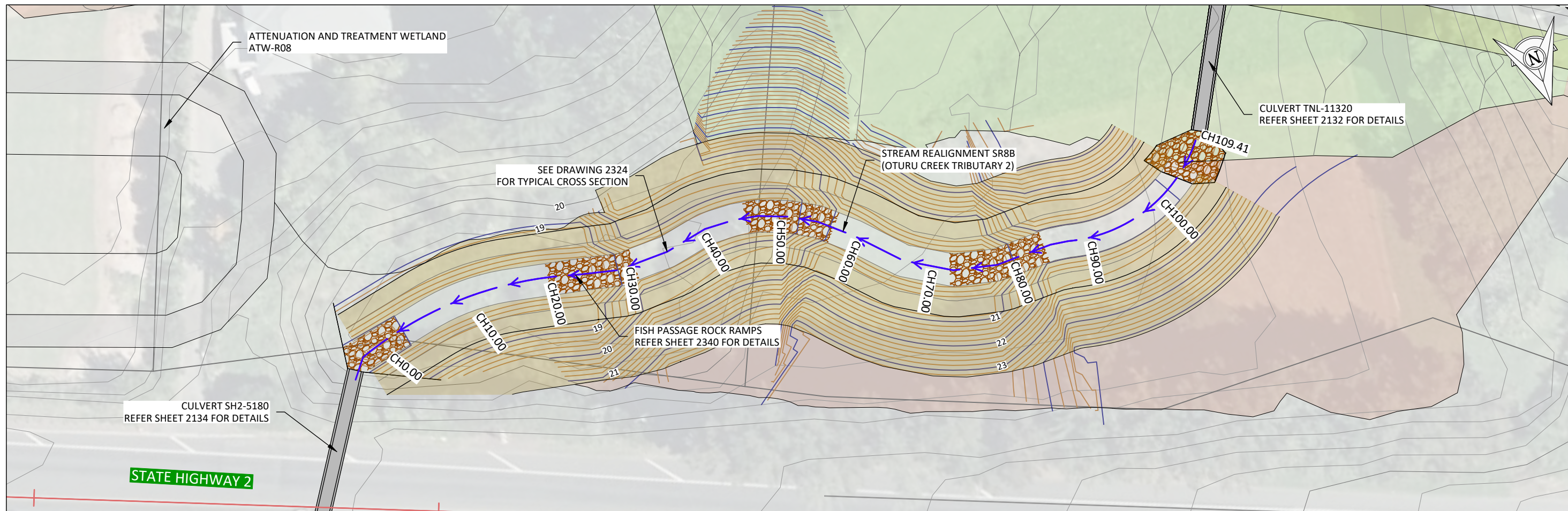
DRAWING
STREAM REALIGNMENT
SR5A
PLAN AND SECTION
SHEET 2 OF 2

STATUS PRELIMINARY	
DATE 05.05.2023	SCALE (ORIGINAL SIZE A3) AS SHOWN
DRAWING NUMBER 144702-00-2313	REVISION F

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0



PLAN - STREAM REALIGNMENT SR8B

SCALE 1:500

HORIZONTAL SCALE 1:500

VERTICAL SCALE 1:500

DATUM =8.00

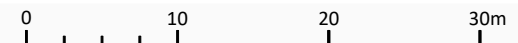
HORIZONTAL DATA	D=6.95m		D=19.94m R=40.00 L=19.94		D=16.56m R=32.87 L=16.56		D=22.88m R=20.00 L=22.88		D=20.6m R=20.19 L=20.60		D=6.22m R=20.00 L=6.22		D=17.39m R=18.36 L=17.39	
	P=0.20% L=30		P=25.00% L=6		P=0.20% L=20		P=25.00% L=6		P=0.20% L=20		P=25.00% L=7.3		P=0.20% L=21.5	
CONTROL LEVELS	17.00	17.01	17.04	17.05	18.57	18.57	19.60	20.11	20.14	21.37	21.97	21.99	22.01	22.01
EXISTING GROUND	18.33	17.88	17.93	18.00	18.22	18.21	20.96	21.04	21.53	21.48	21.26	22.42	23.01	23.01
DEPTHS	1.33	0.87	0.89	0.95	-0.35	-0.37	1.36	0.93	1.39	0.11	-0.71	0.44	1.01	1.01
CHAINAGE	0.00	6.95	20.00	26.89	40.00	43.45	60.00	66.33	80.00	86.93	93.15	100.00	110.55	110.55



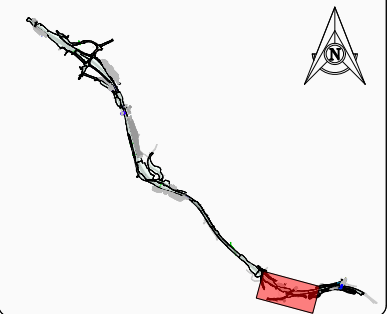
SECTION - STREAM REALIGNMENT SR8B

SCALE 1:500

1:500 (A3)



SHEET LOCALITY PLAN



C:\1345\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawings\00144702-00-2317.dwg 28/07/2025 3:51 pm plaur Plotted: 28 Jul 2025 3:51 pm

DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR
30.07.2025	FTAA APPLICATION	SAP	EV	EV
01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV
08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV
29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV
01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV	EV

DESIGNED	CHECKED
JRL/GK	EV
DRAWN	APPROVED
JRL	EV

mx model version:



CLIENT



PROJECT

TAKITIMU NORTH LINK STAGE 2

DRAWING

STREAM REALIGNMENT
SR8B
PLAN AND SECTION

STATUS

PRELIMINARY

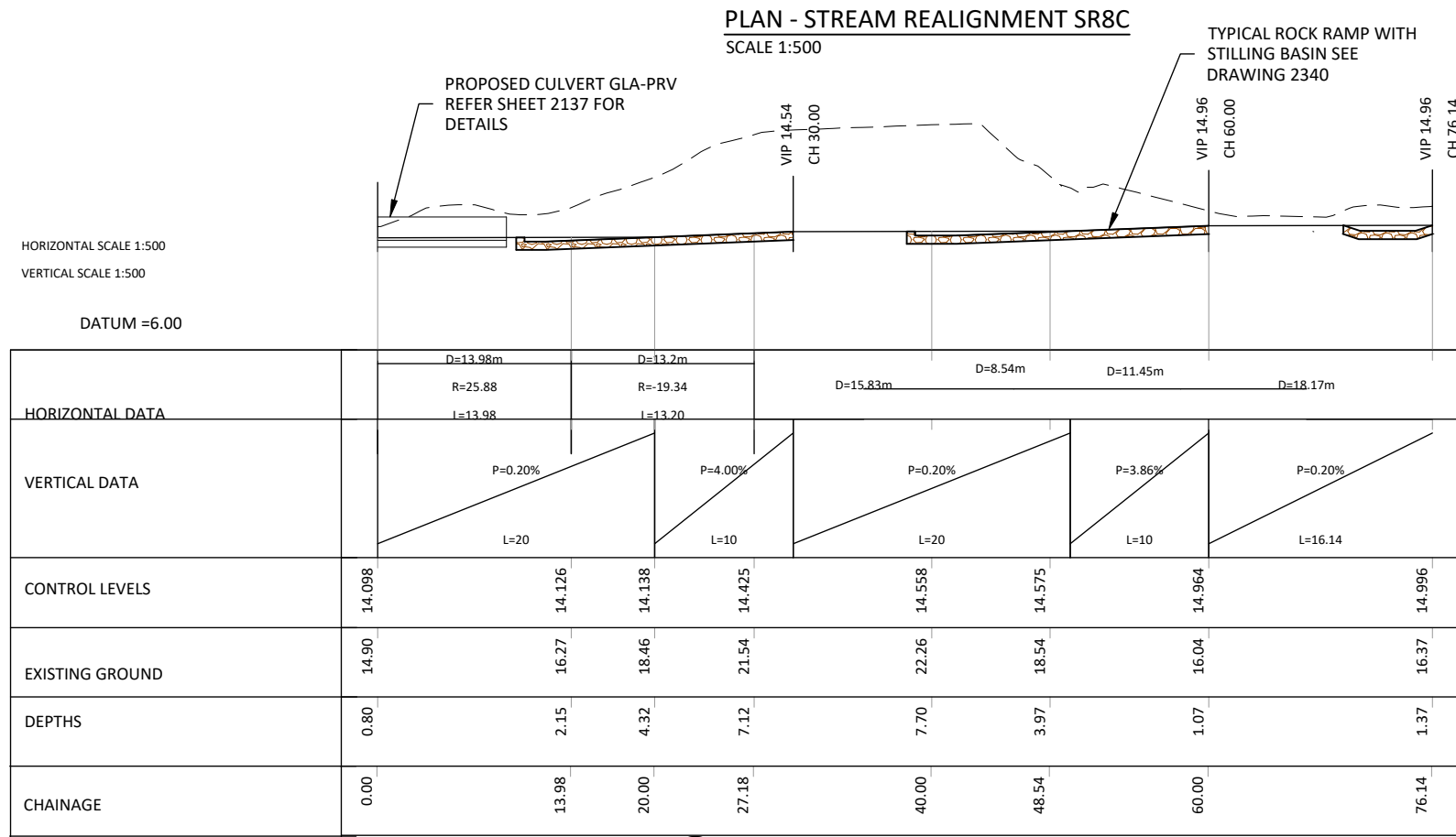
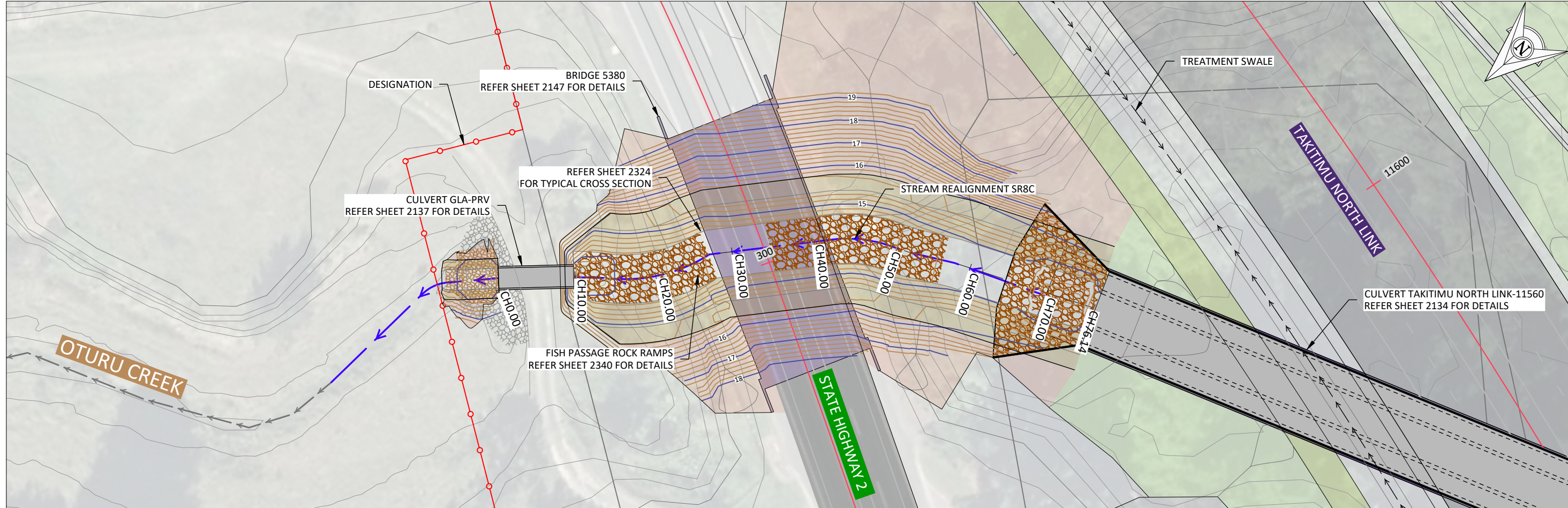
DATE	SCALE (ORIGINAL SIZE A3)
05.05.2023	AS SHOWN
DRAWING NUMBER	REVISION
144702-00-2317	E

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

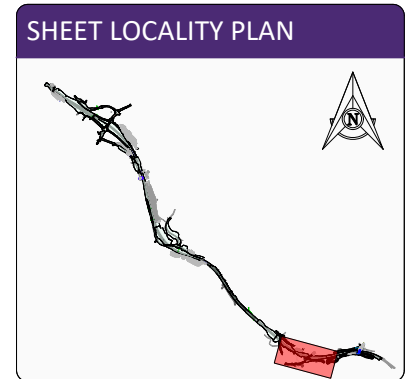
0

C:\1245\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawing\00144702-00-2318.dwg 28/7/2025 3:49 pm plaur Plotted: 28 Jul 2025 3:49 pm



SECTION - STREAM REALIGNMENT SR8C
SCALE 1:500

1:500 (A3) 0 10 20 30m



F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JRL/GK	EV
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JRL	EV
D	28.02.2025	UPDATE AFTER TNL 1 WESTERN TIE-IN RE-DESIGN	GK	EV	EV	JRL	EV
C	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL	EV
B	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	JRL	EV
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV	EV	JRL	EV
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		

DESIGNED	CHECKED
JRL/GK	EV
DRAWN	APPROVED
JRL	EV
mx model version:	



CLIENT	PROJECT
	TAKITIMU NORTH LINK STAGE 2

DRAWING	STATUS
STREAM REALIGNMENT SR8C PLAN AND SECTION	PRELIMINARY

DATE	SCALE (ORIGINAL SIZE A3)
05.05.2023	AS SHOWN
DRAWING NUMBER	REVISION
144702-00-2318	F



TIE INTO EXISTING STREAM REALIGNMENT

STREAM REALIGNMENT SR9A
(OTURU CREEK TRIBUTARY 3)

EXISTING STREAM REALIGNMENT
(OTURU CREEK TRIBUTARY 3)

DESIGNATION

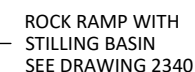
- STEEP RIPARIAN VEGETATION

- HABITAT WETLANDS

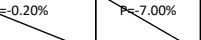
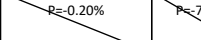
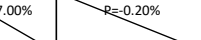
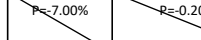
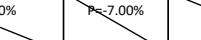
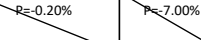
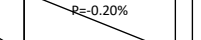
FISH PASSAGE
- ROCK RAMPS
REFER SHEET 2340 FOR DETAILS

PLAN - STREAM REALIGNMENT SR9A

SCALE 1:1000



✓ TIE INTO EXISTING STREAM REALIGNMENT

D=10.8m															D=7.08m R=5.00 L=7.08					D=5.71m R=5.00 L=5.71					D=1.85m R=9.86 L=16.77					D=16.77m R=12.00 L=12.61					D=12.61m R=30.00 L=33.01					D=28.3m R=15.00 L=28.30					D=21.18m R=10.36 L=21.18					D=43.8m R=26.00 L=43.80					D=48.68m R=48.15 L=48.68																				
HORIZONTAL DATA																																																																											
VERTICAL DATA																																																																											
CONTROL LEVELS	21.13	21.11	21.09	21.08	21.07	21.06	20.60	20.09	20.06	20.06	19.16	19.05	19.04		18.06	18.05	17.68	17.39	17.04		16.24	16.04	16.02		15.03	14.96																																																	
EXISTING GROUND	21.00	20.41	19.53	19.37	19.32	20.10	20.16	19.98	19.80	19.71	19.56	19.34	18.80	17.62	18.53	19.05	20.11	19.80	16.27		16.99	16.24	15.55		15.82	15.70																																																	
DEPTHS	-0.13	-0.69	-1.56	-1.71	-1.76	-0.97	-0.90	-0.61	-0.29	-0.36	-0.51	0.18	-0.25	-1.42	0.47	0.99	2.44	2.41	-0.77		0.76	0.20	-0.46		0.79	0.70																																																	
CHAINAGE	0+00	10+80	17+88	20+00	23+59	30+36	32+21	40+00	48+97	60+00	61+58	80+00	94+59	100+00	120+00	122+89	140+00	144+06	160+00		180+00	187+86	200+00		220+00	236+55																																																	

SECTION - STREAM REALIGNMENT SR9A
SCALE 1:1000



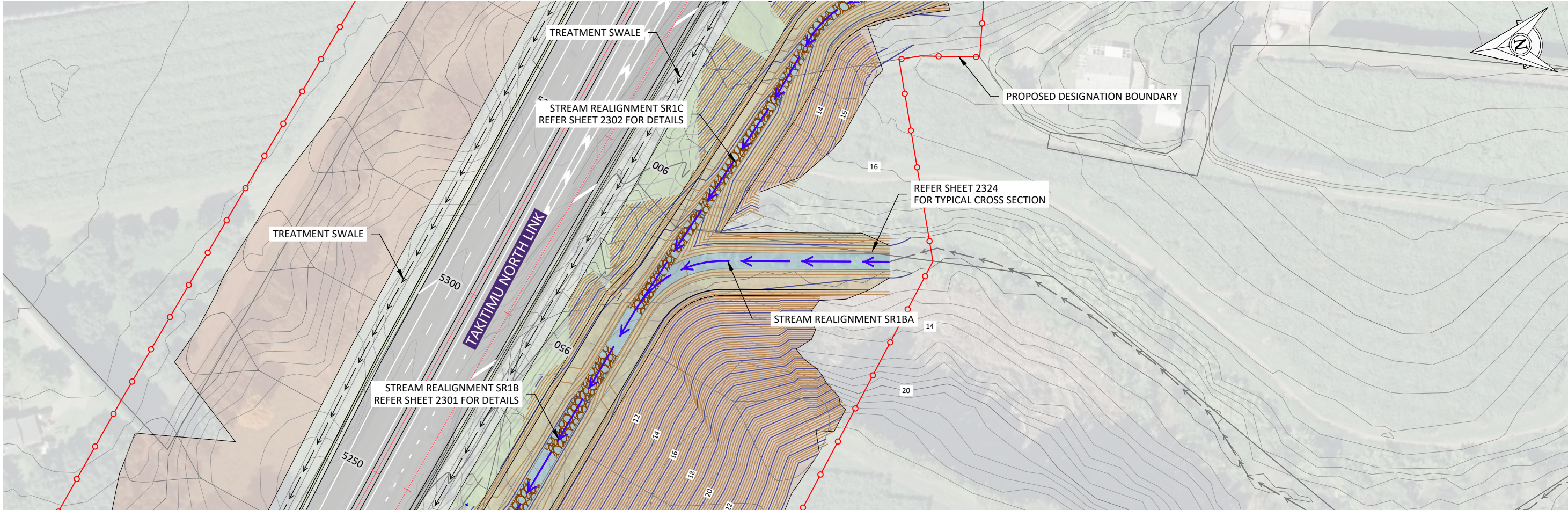
G	30.07.2025	FTAA APPLICATION	SAP	EV	EV	DESIGNED	CHECKED			CLIENT	PROJECT TAKITIMU NORTH LINK STAGE 2	DRAWING STREAM REALIGNMENT SR9A PLAN AND SECTION	STATUS PRELIMINARY			
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JRL/GK	EV						DATE 05.05.2023	SCALE (ORIGINAL SIZE A3) AS SHOWN	DRAWING NUMBER 144702-00-2320	REVISION G
E	24.03.2025	UPDATE AFTER TNL-1 WESTERN TIE-IN RE-DESIGN	JM	EV	EV											
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV		APPROVED									
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	JRL/PK	EV									
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	SGB											
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	JRL	EV	EV											
		DESIGN DETAIL	JRL	CHK	APPR	mxd model version:										

Version 4.0 - March 2020

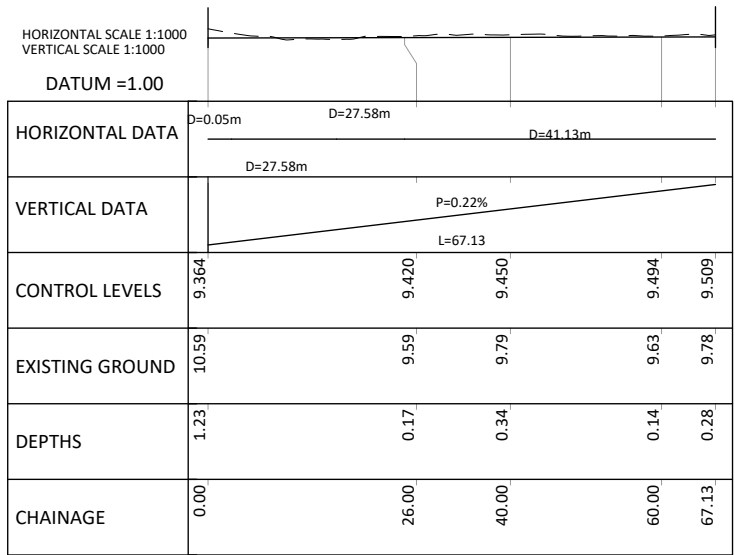
©copyright

100mm
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

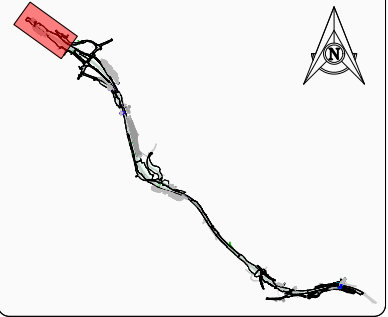


C:\1245\data\107.120.14\144702 - Takitimu North Link Stage 2_5090\03 Drawing\00144702-00-2323.dwg 28/7/2025 3:43 pm plaur Plotted: 28 Jul 2025 3:43 pm



SECTION - STREAM REALIGNMENT SR1BA
SCALE 1:1000

SHEET LOCALITY PLAN



1:1000 (A3) 0 20 40 60m

	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR
F	30.07.2025	FTAA APPLICATION	SAP	EV	EV
D	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV
C	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV
B	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV
A	05.05.2023	DRAFT SPECIMEN DESIGN	JRL	EV	EV

DESIGNED	CHECKED
JRL/GK	EV
DRAWN	APPROVED
JRL	EV

mx model version:

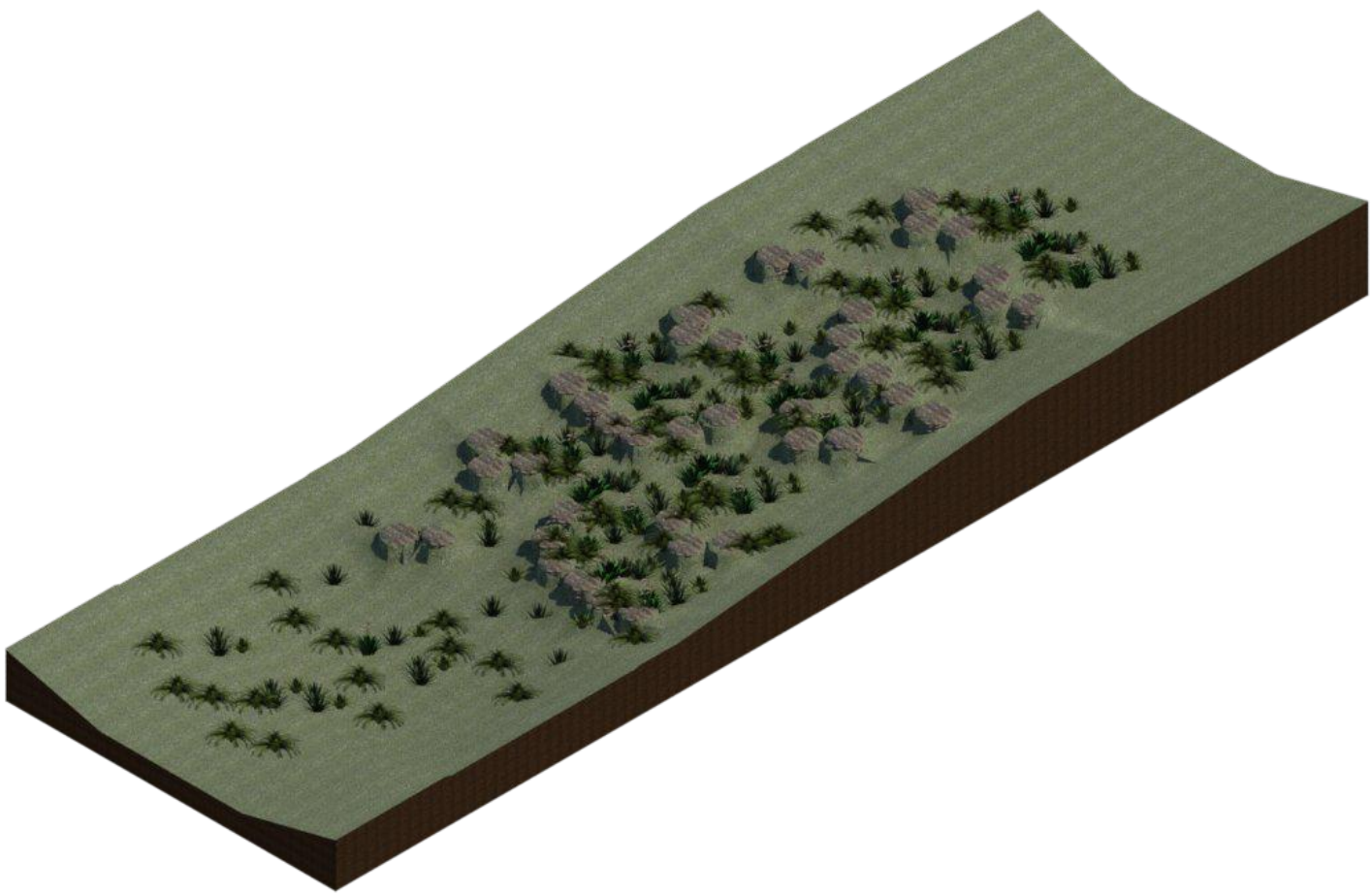


PROJECT
TAKITIMU NORTH LINK STAGE 2

DRAWING
STREAM REALIGNMENT
SR1BA
PLAN AND SECTION

STATUS	
PRELIMINARY	
DATE	SCALE (ORIGINAL SIZE A3)
05.05.2023	AS SHOWN
DRAWING NUMBER	REVISION
144702-00-2323	E

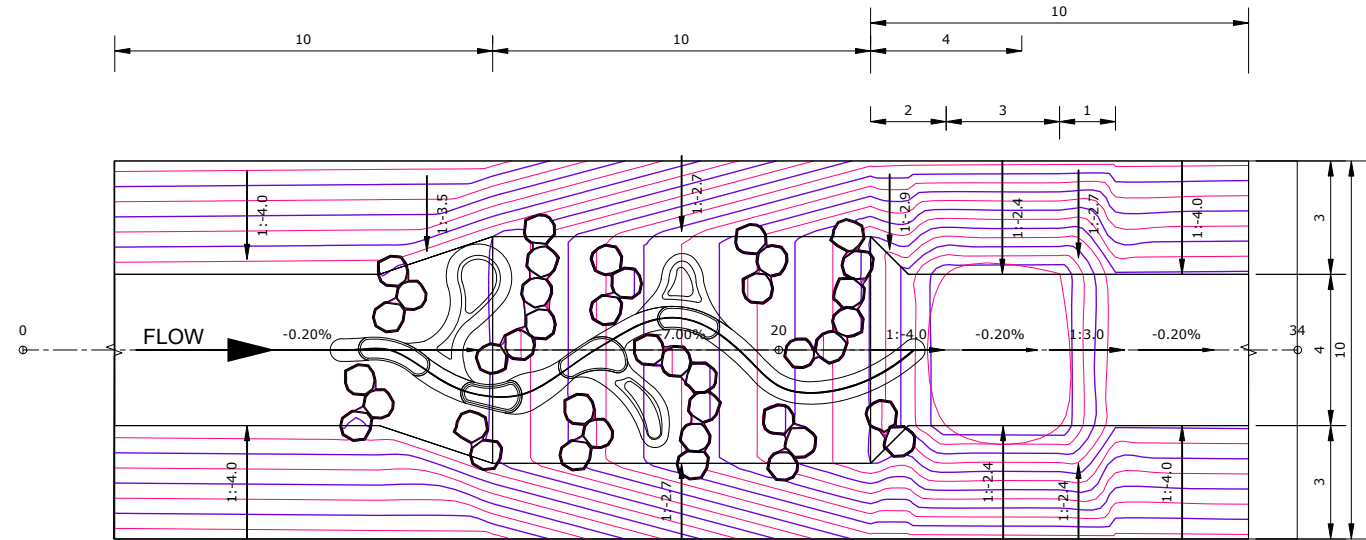
100mm
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY
0
C:\126\Garak\107-120-14\144702 - Takitimu North Link Stage 2_5090\03 Drawings\00\144702-00-2340.dwg 29/7/2025 8:58 am pour Plotter: 29 Jul 2025 8:58 am
Version 4.0 - March 2020



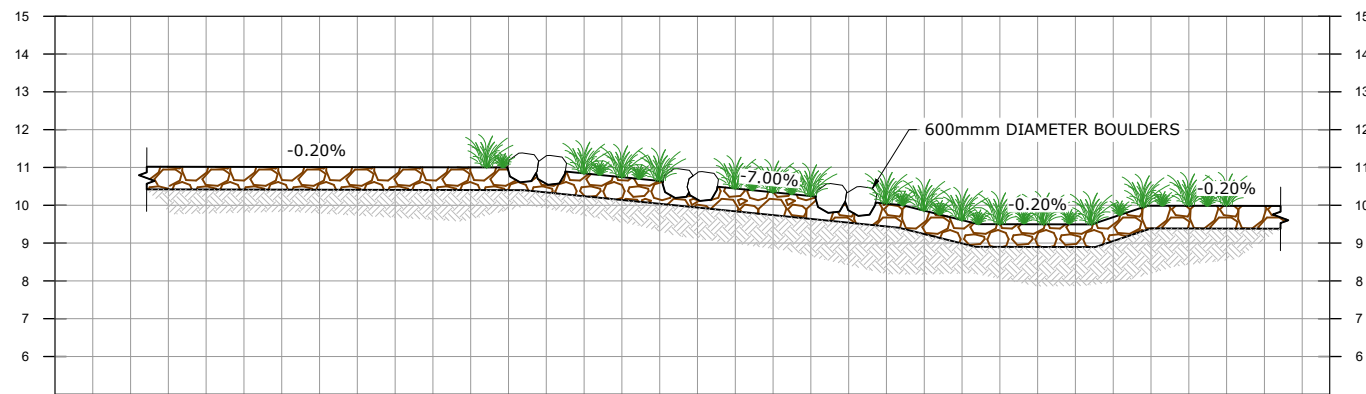
ROCK RAMP ISOMETRIC VIEW

Horizontal Scale 1:200
Vertical Scale 1:200
Datum:5.000

CHANNEL LEVEL
CHAINAGE



ROCK RAMP PLAN VIEW
SCALE 1:200



0	1	2	3	11.019	4	11.017	5	11.015	6	11.013	7	11.011	8	11.009	9	11.007	10	11.005	11	11.003	12	11.001	13	10.943	14	10.843	15	10.743	16	10.643	17	10.543	18	10.443	19	10.343	20	10.243	21	10.143	22	10.043	23	9.857	24	9.607	25	9.499	26	9.497	27	9.495	28	9.685	29	9.987	30	9.985	31	9.983	32	9.981	33		33
---	---	---	---	--------	---	--------	---	--------	---	--------	---	--------	---	--------	---	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	--------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	--	----

ROCK RAMP SECTIONAL VIEW
SCALE 1:200

NOTES:
1. ALL BOULDERS ARE OF 600mm DIAMETER, UNLESS OTHERWISE NOTED

1:200 (A3) 0 4 8 12m

				DESIGNED		CHECKED				CLIFNT	PROJECT TAKITIMU NORTH LINK STAGE 2	DRAWING ROCK RAMP PLAN AND SECTION	STATUS PRELIMINARY	
F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JL/GK	EV						DATE 18.05.2023	SCALE (ORIGINAL SIZE A3) AS SHOWN
E	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV									
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	DRAWN	APPROVED							
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	WT	EV							
B	15.08.2023	FINAL DRAFT SPECIMEN DESIGN	JRL	EV	SGB									
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV		mx model version:		DRAWING NUMBER 144702-00-2340	REVISION F					
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR									