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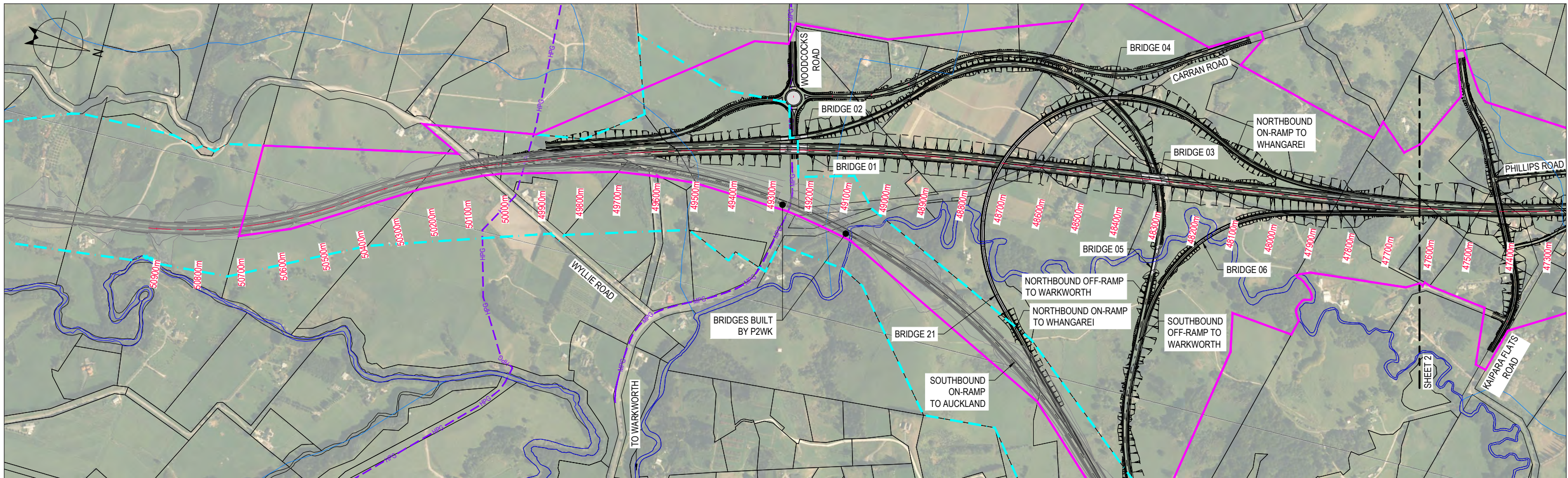
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No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



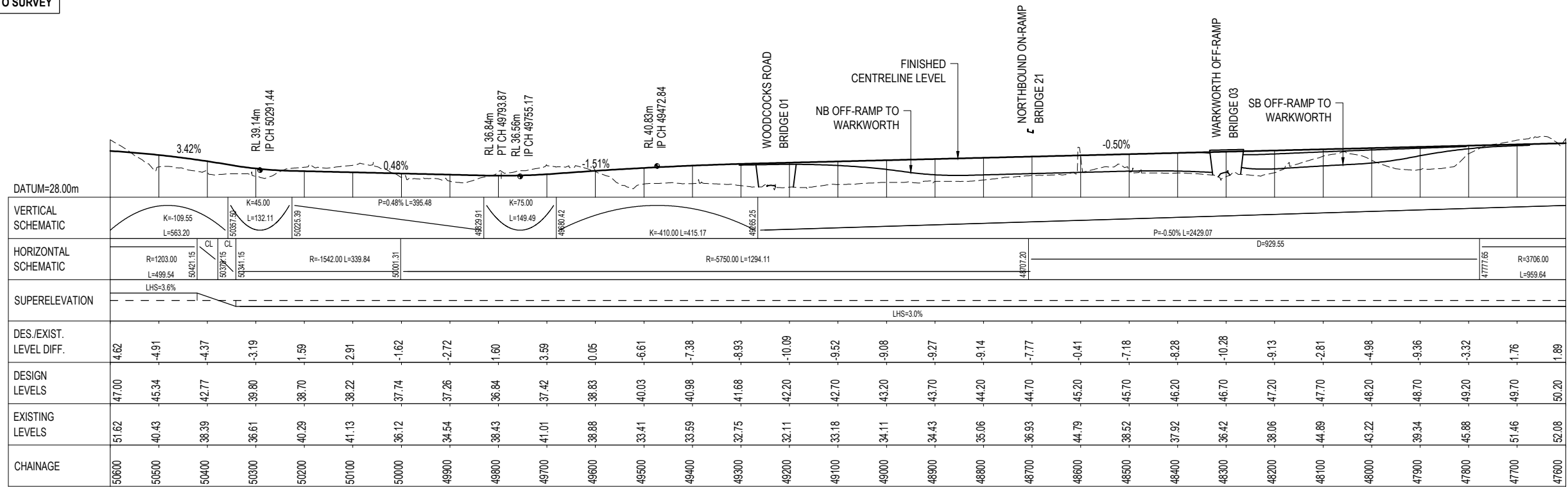
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Approved BN*	Date JULY 2019		
Scale 1:30,000-A1, 1:60,000-A3	This Drawing must not be used for Construction unless signed as Approved		Original Size A1

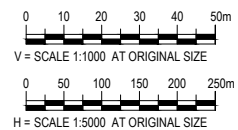
Project	WARKWORTH TO WELLSFORD PROJECT			
Title	SOUTHBOUND ALIGNMENT MCS0 SHEET LAYOUT PLAN			
Contract:	PA4156	Drawing No:	R-130	Sheet: 1 of 1
Rev:	0			



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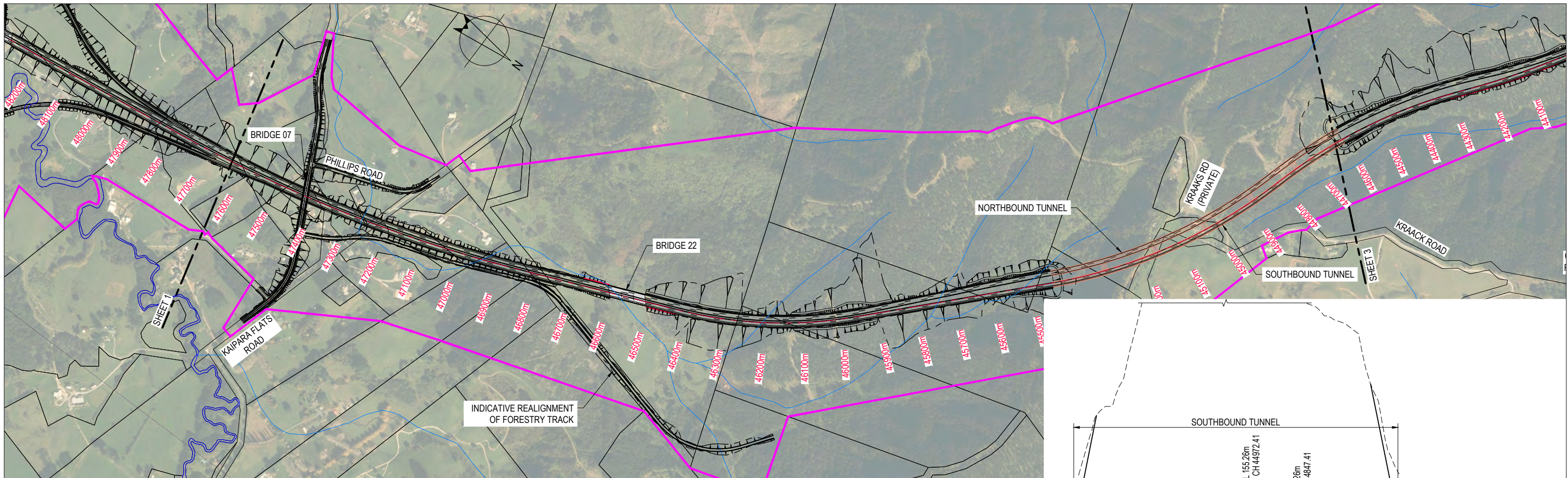


LONGITUDINAL SECTION - MCS0
SCALE 1:5000H-A1, 1:1000V-A1

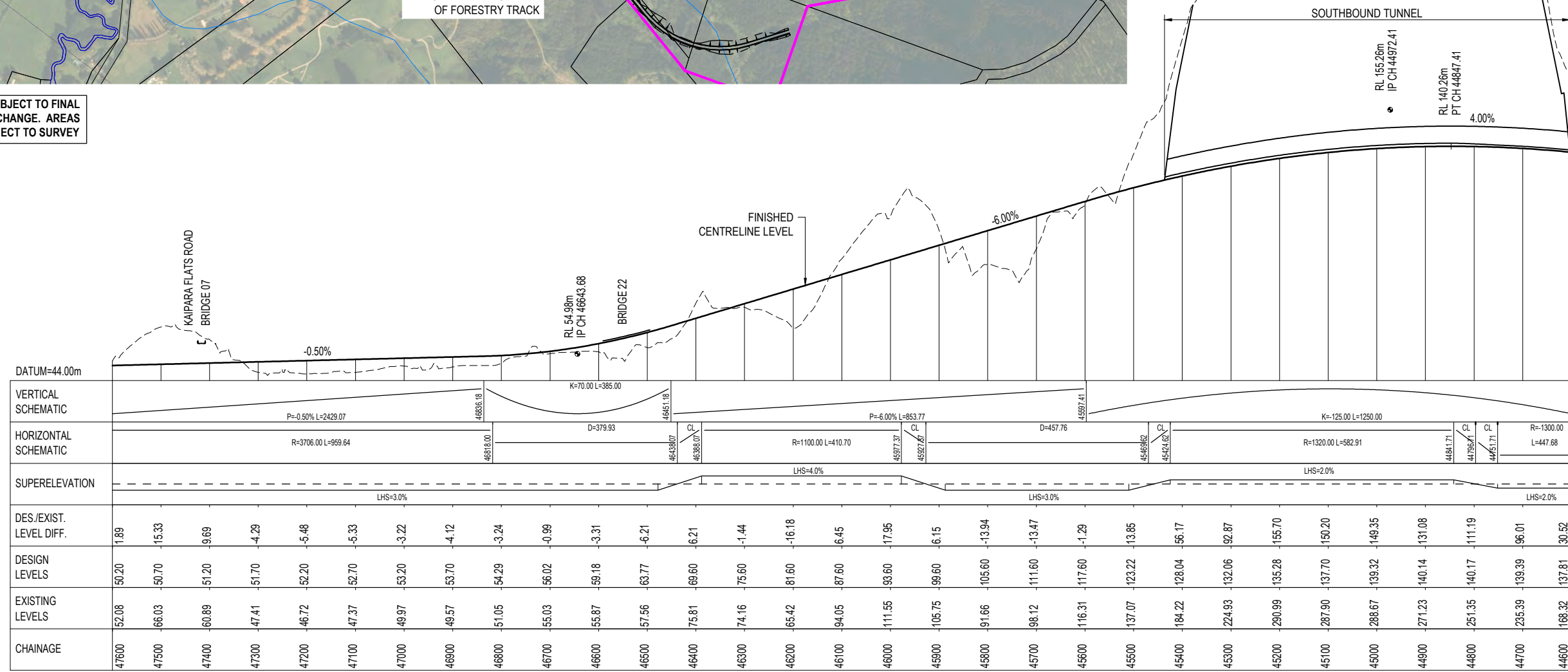


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			Drawn WAS Approved BN* Scale AS SHOWN	Drafting FCW* Date JULY 2019 This Drawing must not be used for Construction unless signed as Approved	Designed IH Design Check FCW*



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CHAINAGE	47600	47500	47400	47300	47200	47100	47000	46900	46800	46700	46600	46500	46400	46300	46200	46100	46000	45900	45800	45700	45600	45500	45400	45300	45200	45100	45000	44900	44800	44700	44600
DES./EXIST. LEVEL DIFF.	1.89	-15.33	9.69	-4.29	-5.48	-5.33	-3.22	-4.12	-3.24	-0.99	-3.31	-6.21	6.21	-1.44	-16.18	6.45	17.95	6.15	-13.94	-13.47	-1.29	13.85	-56.17	92.87	-155.70	-150.20	-149.35	-131.08	-111.19	-96.01	-30.52
DESIGN LEVELS	50.20	50.70	51.20	51.70	52.20	52.70	53.20	53.70	54.29	56.02	59.18	63.77	69.60	75.60	81.60	87.60	93.60	99.60	105.60	111.60	117.60	123.22	128.04	132.06	135.28	137.70	139.32	140.14	140.17	139.39	137.81
EXISTING LEVELS	52.08	66.03	60.89	47.41	46.72	47.37	49.97	49.57	51.05	55.03	55.87	57.56	75.81	74.16	65.42	94.05	111.55	105.75	91.66	98.12	116.31	137.07	184.22	224.93	290.99	287.90	288.67	271.23	251.35	235.39	188.32

LONGITUDINAL SECTION - MCS0
SCALE 1:5000H-A1, 1:1000V-A1



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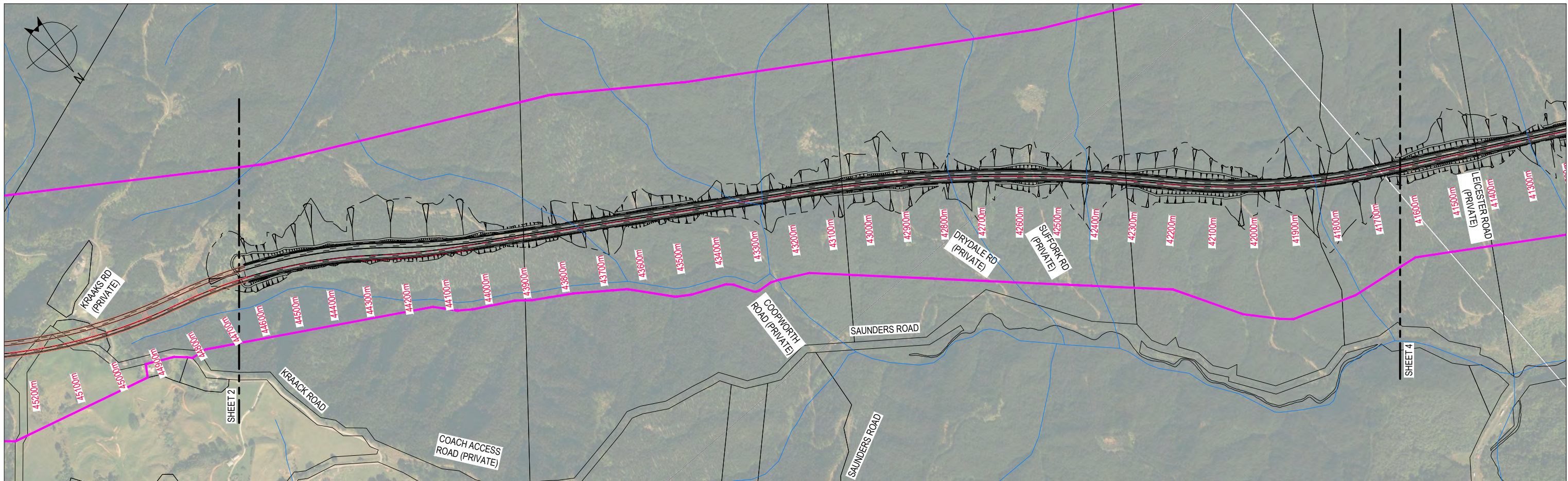
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Approved BN*	Date JULY 2019		
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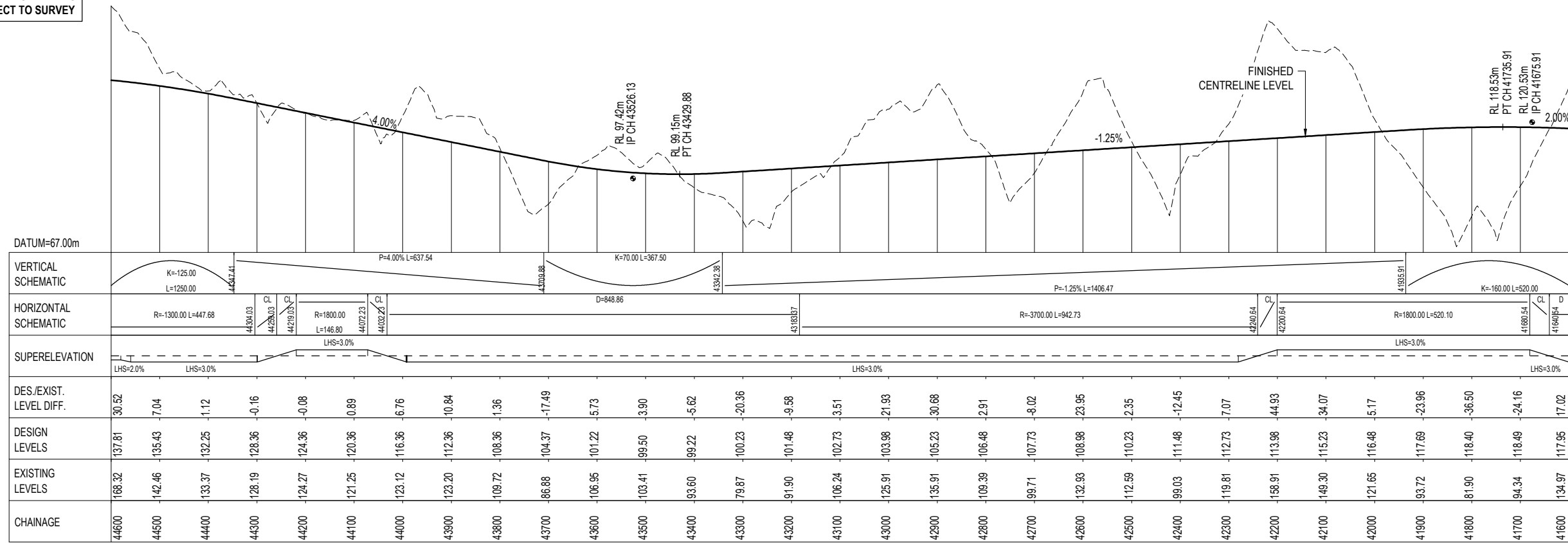
Project **WARKWORTH TO WELLSFORD PROJECT**

Title **SOUTHBOUND ALIGNMENT MCS0 PLAN AND LONGITUDINAL SECTION**

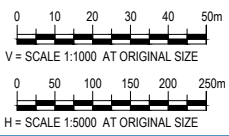
Contract: **PA4156** Drawing No: **R-132** Sheet: **2 OF 9** Rev: **0**



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LONGITUDINAL SECTION - MCS0
SCALE 1:5000H-A1, 1:1000V-A1



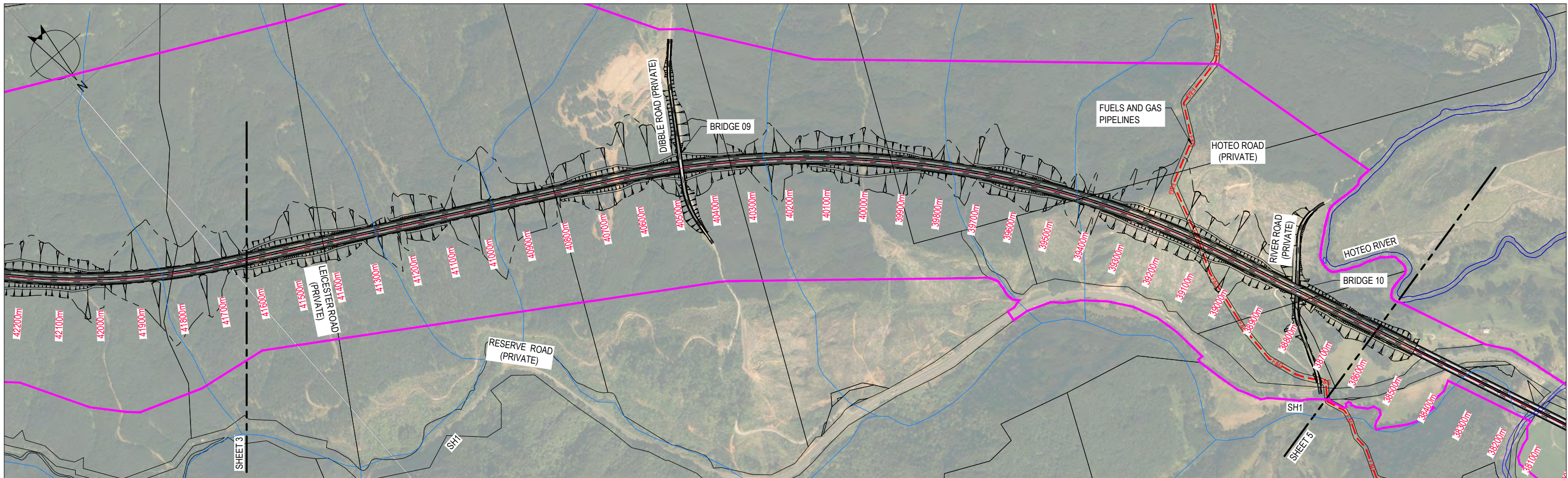
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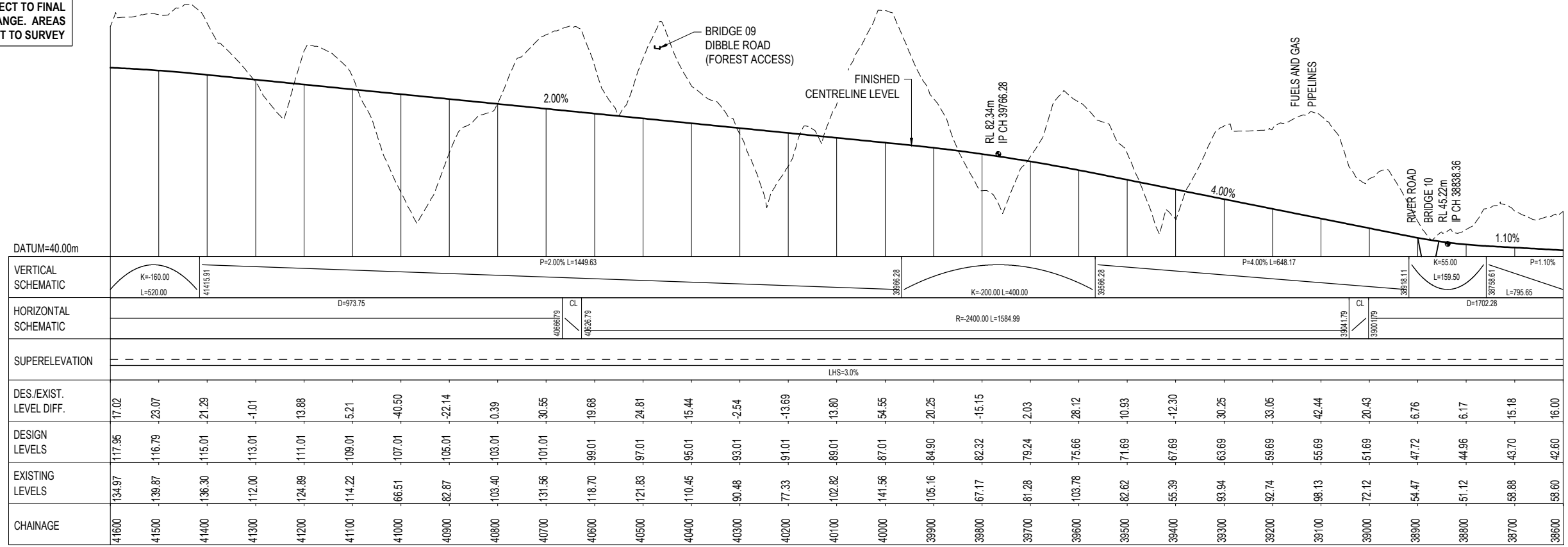
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Project	WARKWORTH TO WELLSFORD PROJECT		
Title	SOUTHBOUND ALIGNMENT MCS0 PLAN AND LONGITUDINAL SECTION		
Contract:	PA4156	Drawing No:	R-133
Sheet:	3 OF 9	Rev:	0

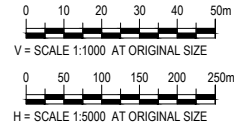


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DES./EXIST. LEVEL DIFF.	17.02	-23.07	-21.29	-1.01	-13.88	-5.21	-40.50	-22.14	-0.39	30.55	-19.68	-24.81	-15.44	-2.54	-13.69	-13.80	-54.55	-20.25	-15.15	-2.03	-28.12	-10.93	-12.30	-30.25	-33.05	-42.44	-20.43	-6.76	-6.17	-15.18	16.00
DESIGN LEVELS	117.95	-116.79	-115.01	-113.01	-111.01	-109.01	-107.01	-105.01	-103.01	-101.01	-99.01	-97.01	-95.01	-93.01	-91.01	-89.01	-87.01	-84.90	-82.32	-79.24	-75.66	-71.69	-67.69	-63.69	-59.69	-55.69	-51.69	-47.72	-44.96	-43.70	42.60
EXISTING LEVELS	134.97	133.87	136.30	112.00	124.89	114.22	66.51	82.87	103.40	131.56	118.70	121.83	110.45	90.48	77.33	102.82	141.56	105.16	67.17	81.28	103.78	82.62	55.39	93.94	92.74	98.13	72.12	54.47	51.12	56.88	66.60

LONGITUDINAL SECTION - MCS0
SCALE 1:5000H-A1, 1:1000V-A1



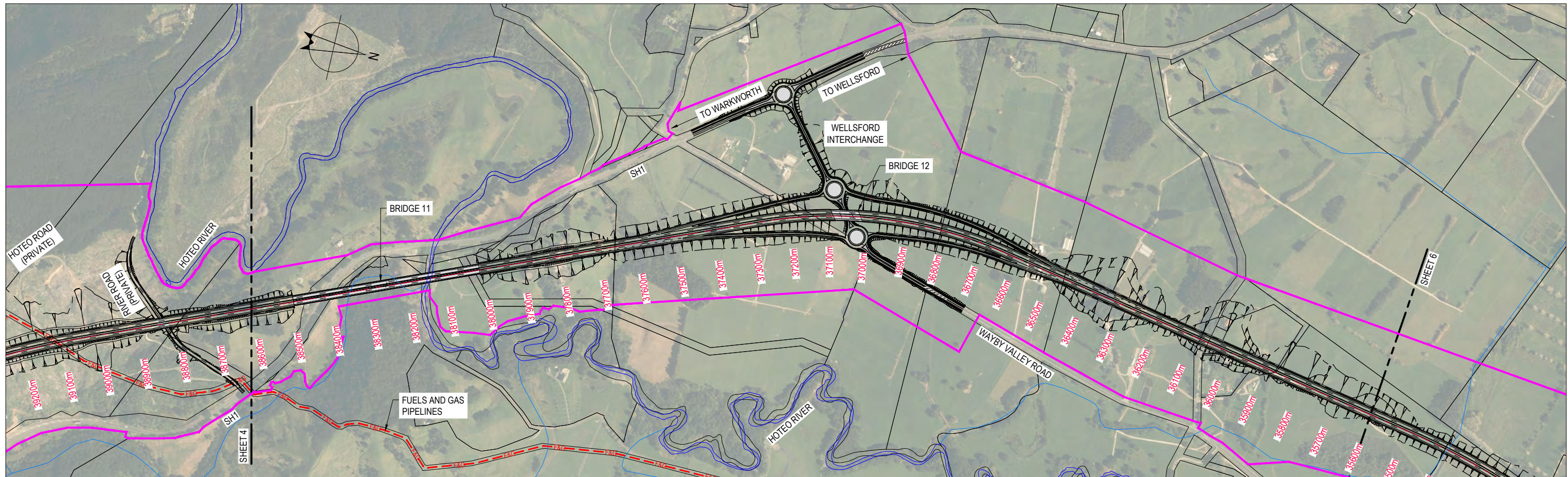
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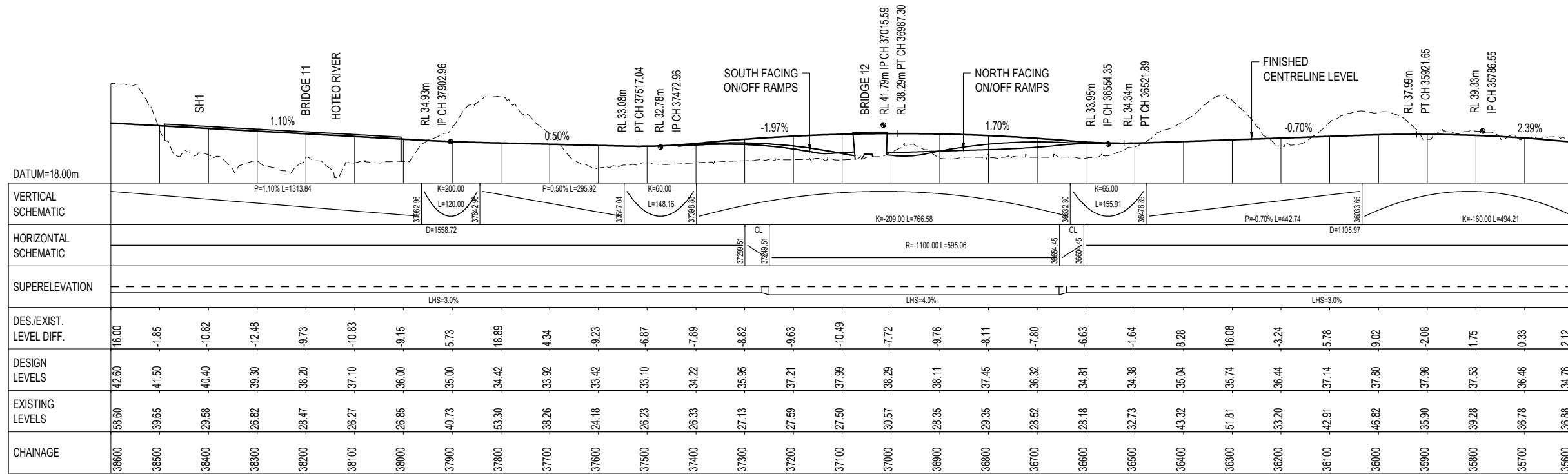
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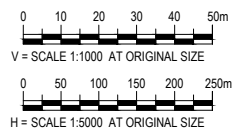
Project	WARKWORTH TO WELLSFORD PROJECT		
Title	SOUTHBOUND ALIGNMENT MCS0 PLAN AND LONGITUDINAL SECTION		
Contract	PA4156	Drawing No	R-134
Sheet	4 OF 9	Rev	0



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LONGITUDINAL SECTION - MCS0
SCALE 1:5000H-A1, 1:1000V-A1



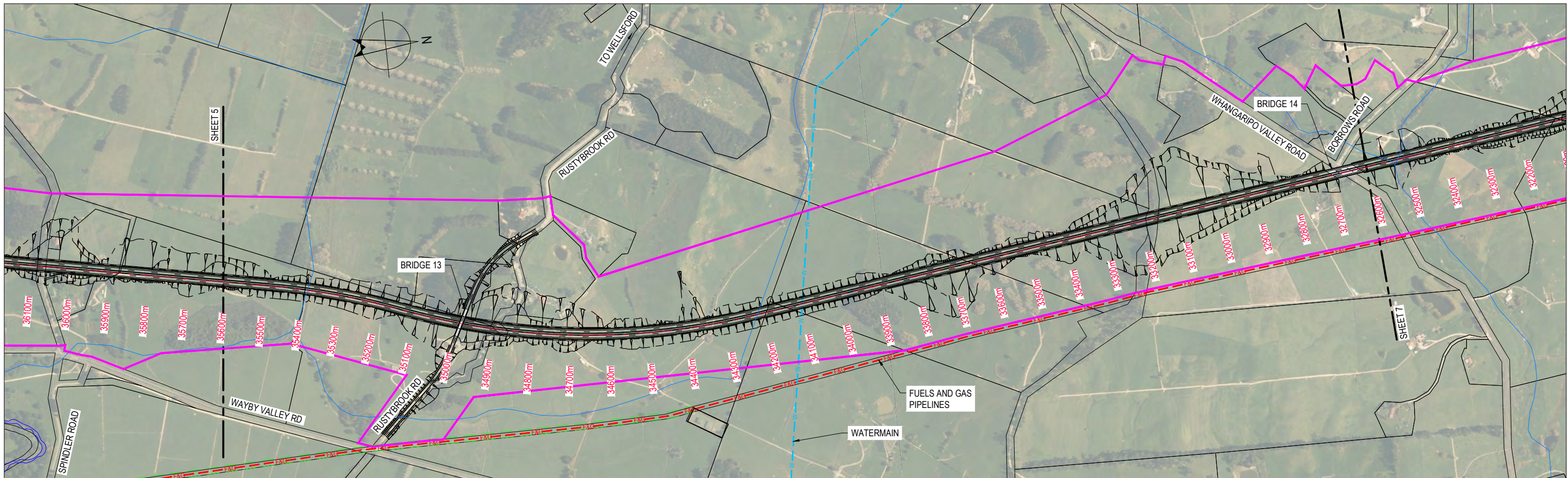
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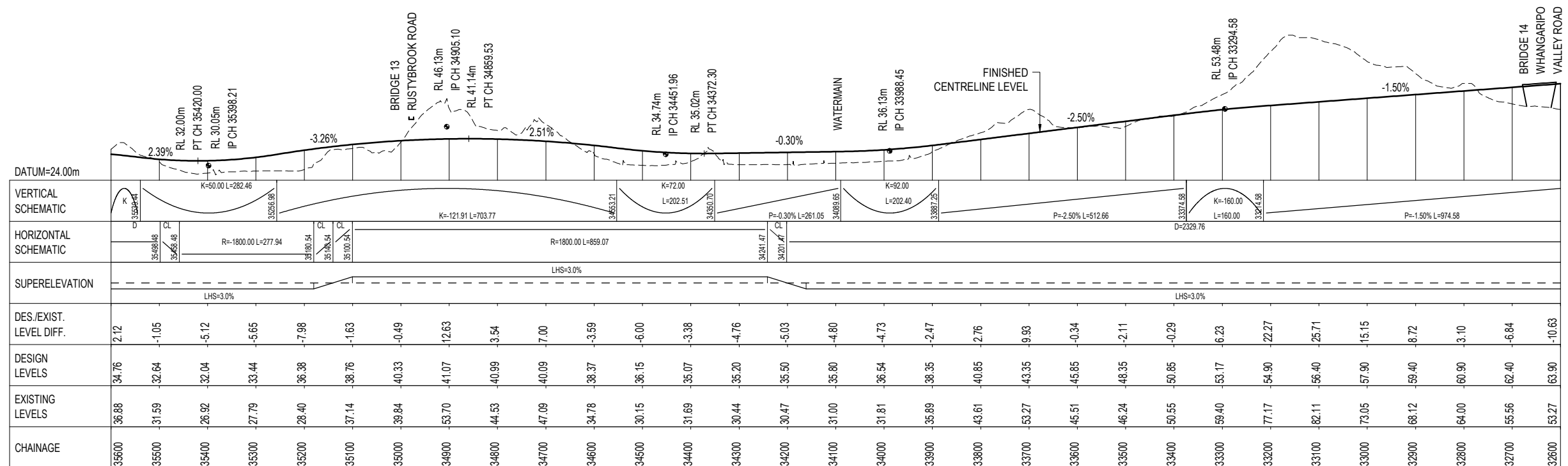
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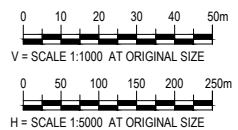
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Title	SOUTHBOUND ALIGNMENT MCS0 PLAN AND LONGITUDINAL SECTION		
Contract:	PA4156	Drawing No:	R-135
Sheet:	5 OF 9	Rev:	0



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LONGITUDINAL SECTION - MCS0
SCALE 1:5000H-A1, 1:1000V-A1



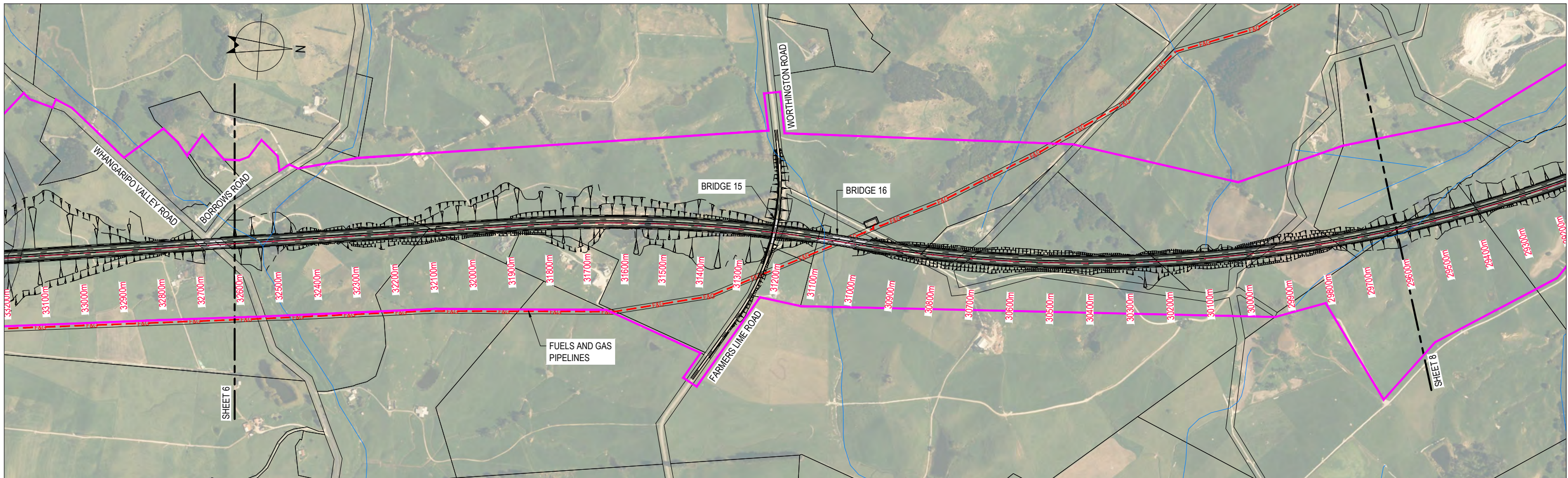
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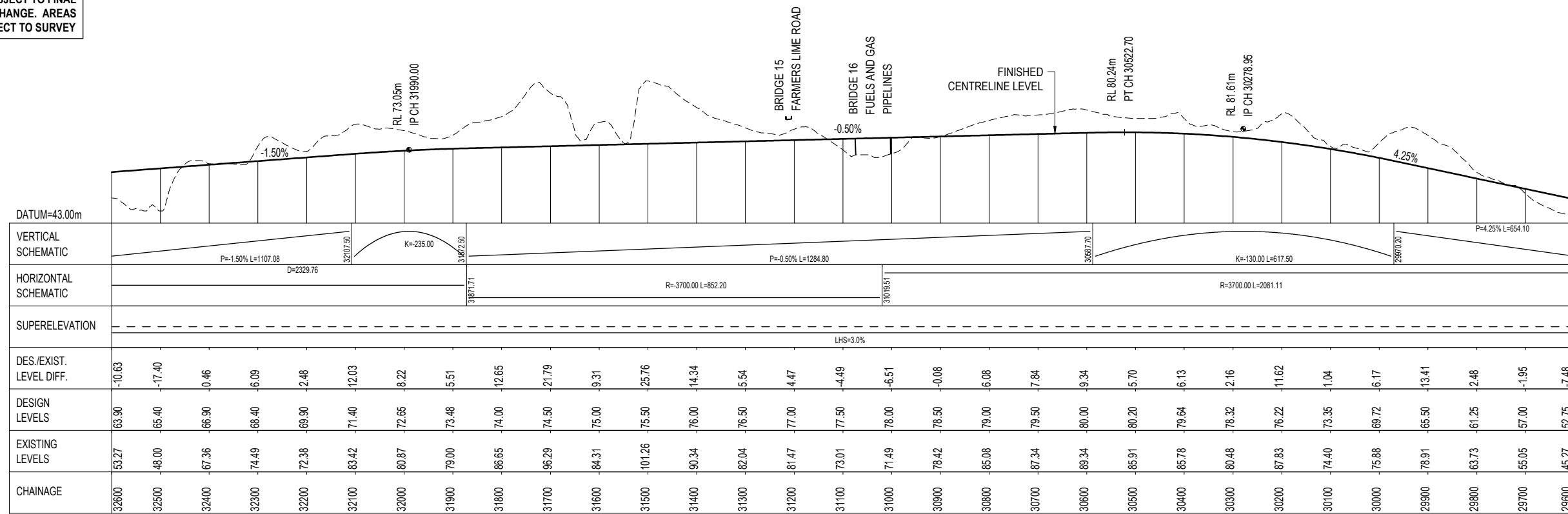
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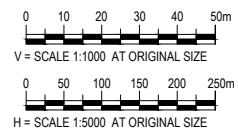
Project	WARKWORTH TO WELLSFORD PROJECT		
Title	SOUTHBOUND ALIGNMENT MCS0 PLAN AND LONGITUDINAL SECTION		
Contract	PA4156	Drawing No	R-136
Sheet	6 OF 9	Rev	0



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LONGITUDINAL SECTION - MCS0
SCALE 1:5000H-A1, 1:1000V-A1



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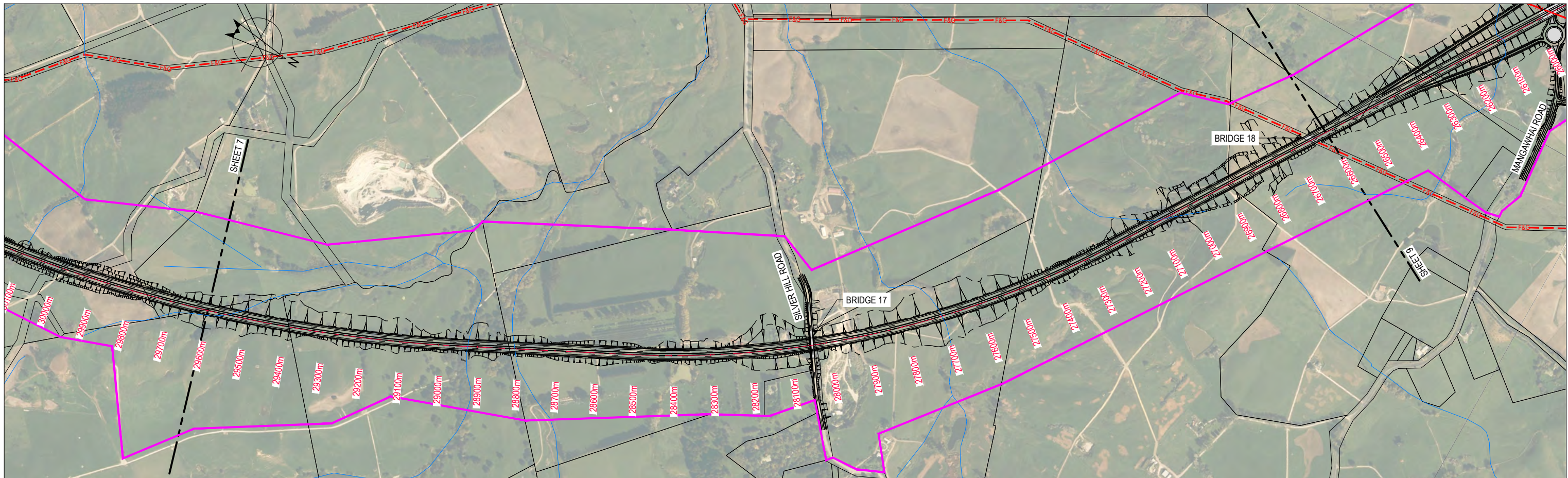
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Approved BN*	Date JULY 2019		
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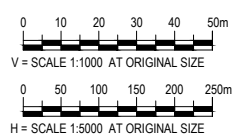
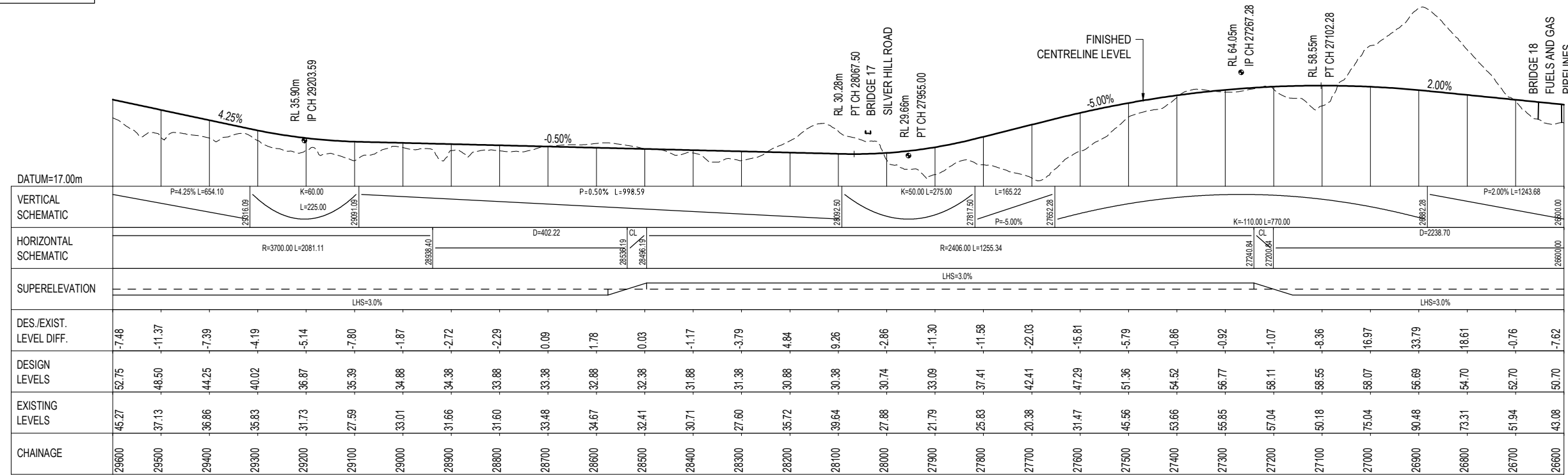
Project **WARKWORTH TO WELLSFORD PROJECT**

Title **SOUTHBOUND ALIGNMENT MCS0 PLAN AND LONGITUDINAL SECTION**

Contract: **PA4156** Drawing No: **R-137** Sheet: **7 OF 9** Rev: **0**



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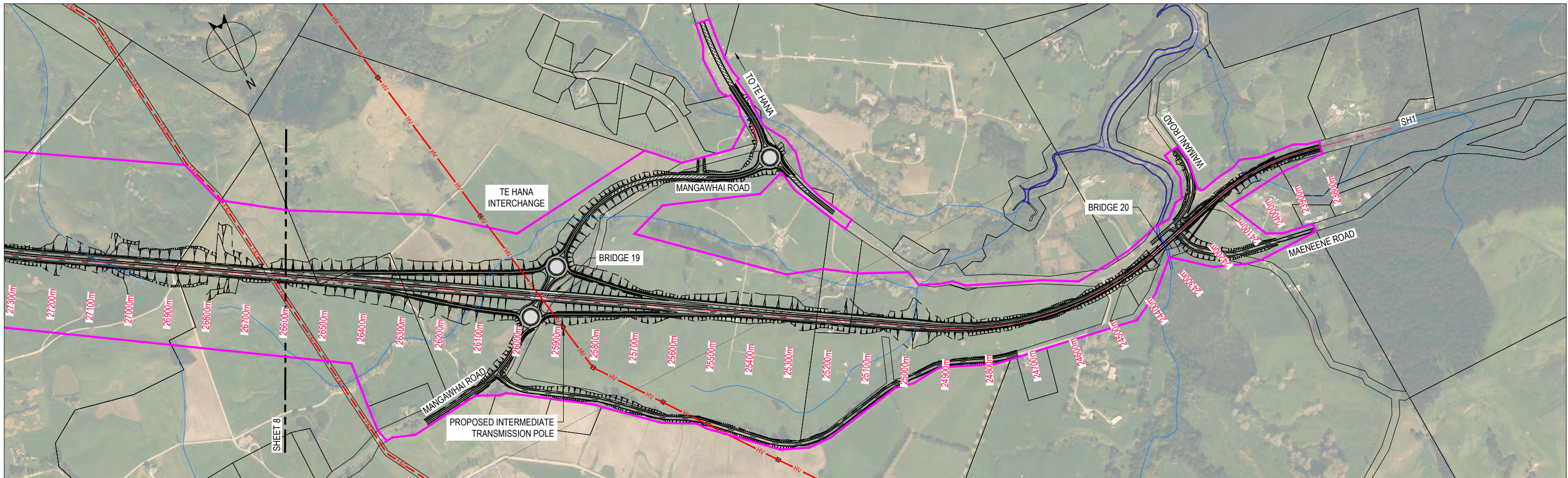
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Scale AS SHOWN			This Drawing must not be used for Construction unless signed as Approved

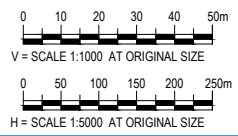
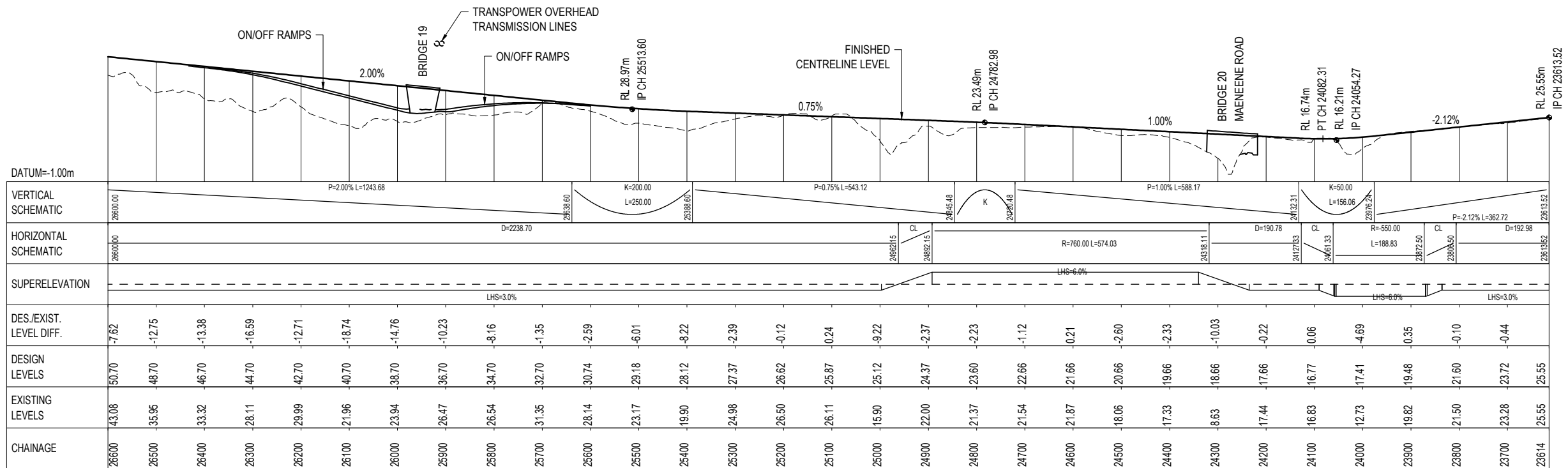
Project **WARKWORTH TO WELLSFORD PROJECT**

Title **SOUTHBOUND ALIGNMENT MCS0 PLAN AND LONGITUDINAL SECTION**

Contract: **PA4156** Drawing No: **R-138** Sheet: **8 OF 9** Rev: **0**



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LONGITUDINAL SECTION - MCSO
SCALE 1:5000H-A1, 1:1000V-A1

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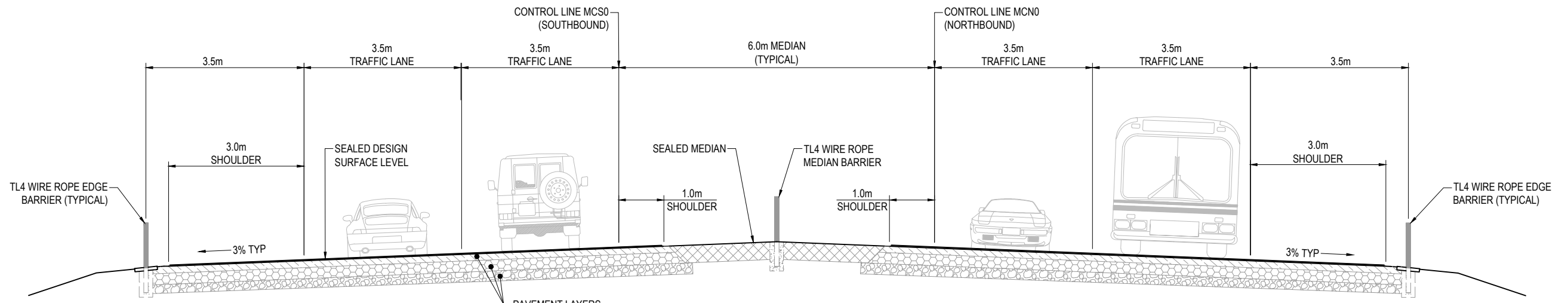
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Approved BN*	Date JULY 2019		
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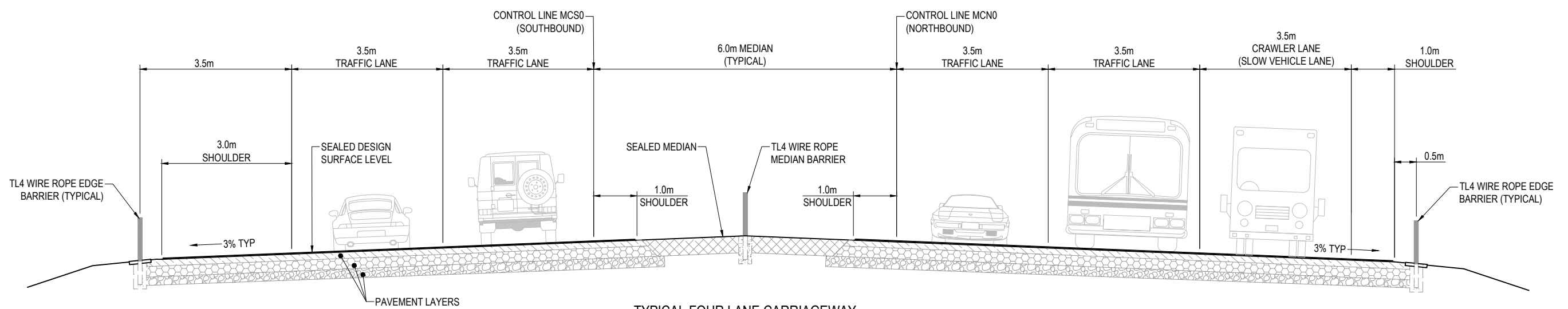
Project **WARKWORTH TO WELLSFORD PROJECT**

Title **SOUTHBOUND ALIGNMENT MCS0 PLAN AND LONGITUDINAL SECTION**

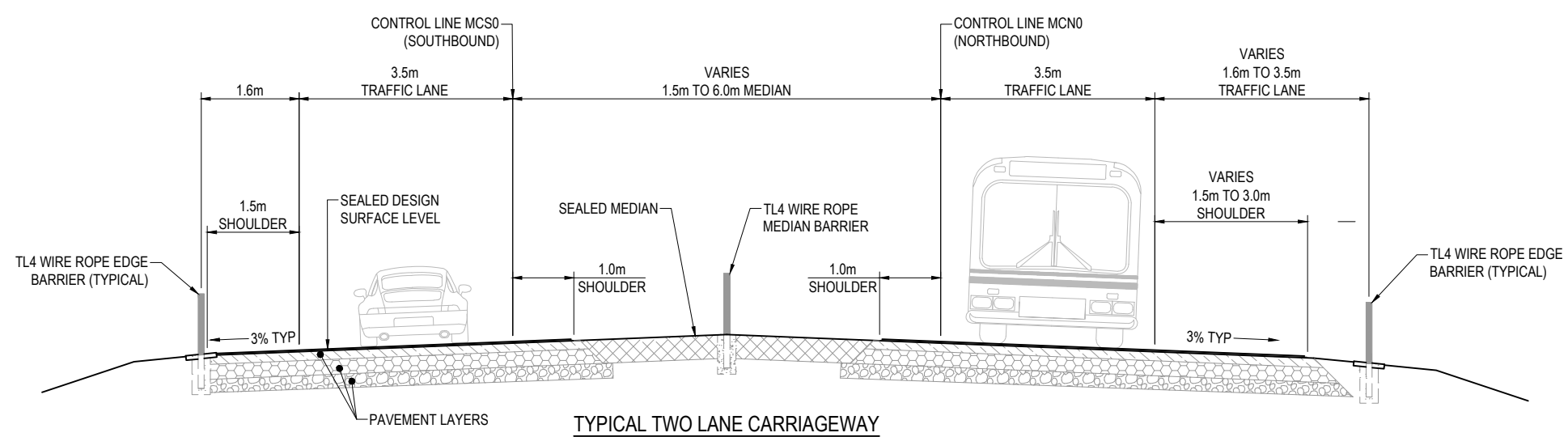
Contract: **PA4156** Drawing No: **R-139** Sheet: **9 OF 9** Rev: **0**



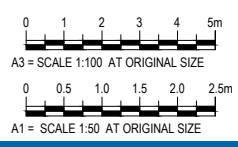
TYPICAL FOUR LANE CARRIAGEWAY
SCALE 1:50



TYPICAL FOUR LANE CARRIAGEWAY WITH NORTHBOUND SLOW VEHICLE LANE
SCALE 1:50



TYPICAL TWO LANE CARRIAGEWAY
CH 23800 TO 25000
SCALE 1:50



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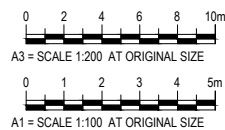
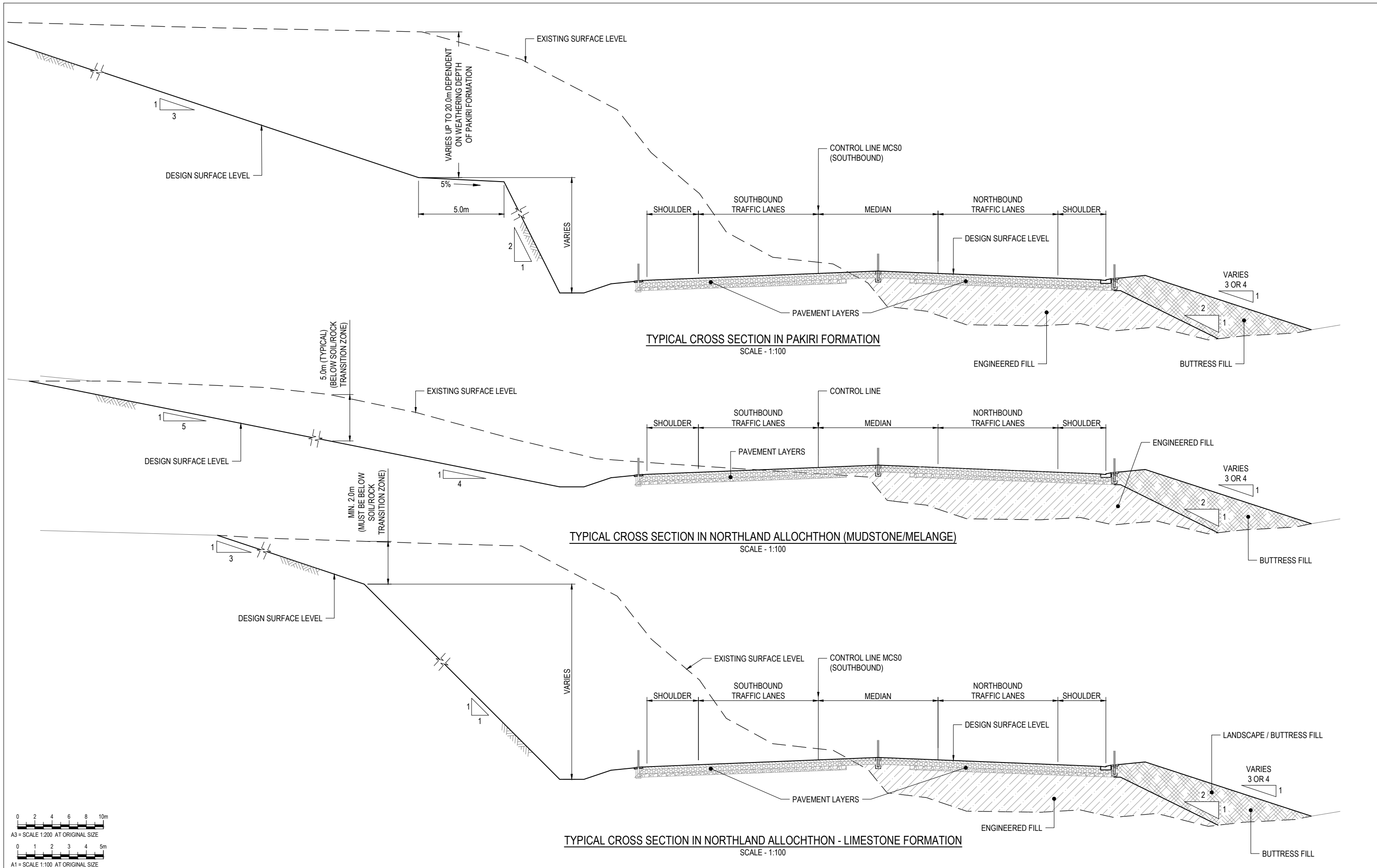
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Project	WARKWORTH TO WELLSFORD PROJECT			
Title	TYPICAL CROSS SECTIONS			
Contract:	PA4156	Drawing No:	R-181	Sheet: 1 OF 2
Rev:	0			



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Approved BN*	Date JULY 2019		
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Project	WARKWORTH TO WELLSFORD PROJECT			
Title	TYPICAL CROSS SECTIONS			
Contract:	PA4156	Drawing No:	R-182	Sheet: 2 OF 2
Rev:	0			