

REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED
					A1	ACP		31 JAN 2022	

DRAWN	Author
DESIGNED	Designer
CHECKED	Checker
APPROVED	Approver
DATE	06/09/21

MTR

TUEN MA EXTENSION

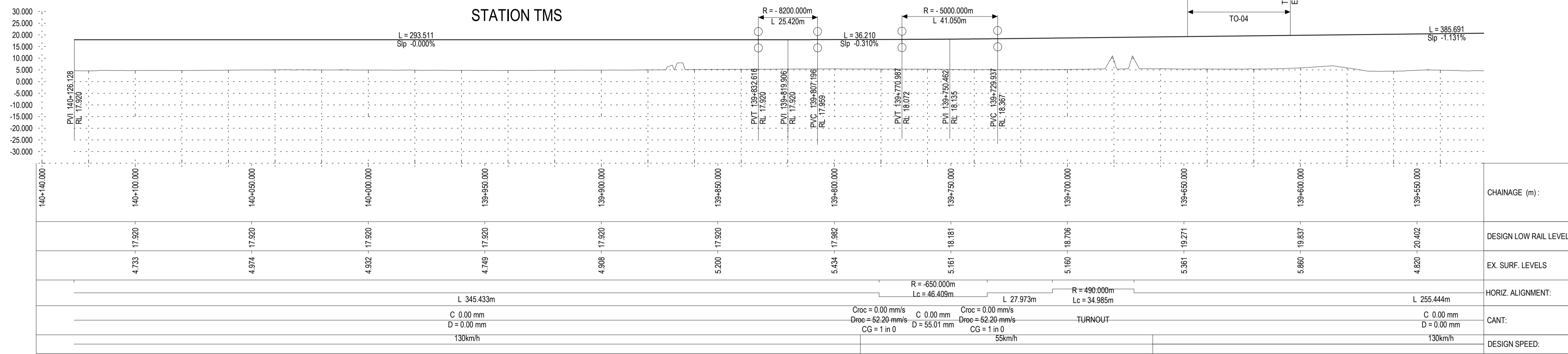
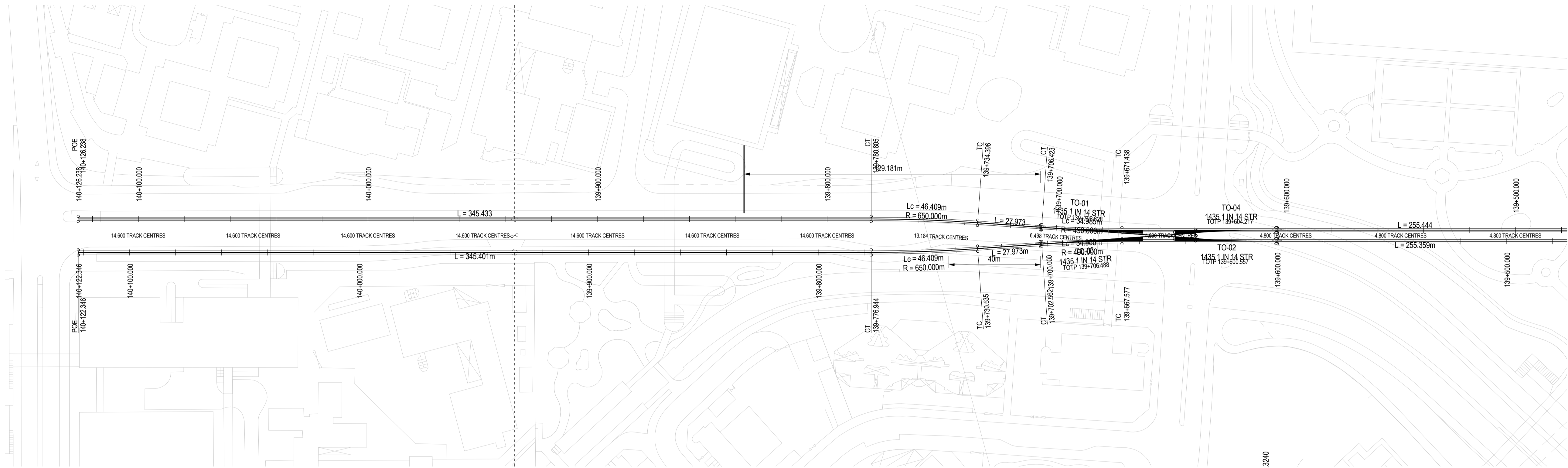
ORIGINATOR

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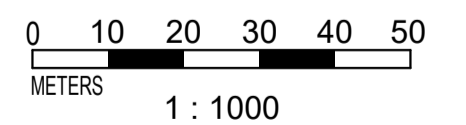
MODEL REF. C1501-S-TME-ACM-ALM.rvt

TITLE		CONSULTANCY AGREEMENT NO. C1501	
		DESIGN SERVICES FOR TUEN MA EXTENSION	
		TUEN MA EXTENSION ALIGNMENT OVERVIEW	
SCALE 1 : 4000 (A1)	DRAWING NO. C1501 / P / 350 / ACM / C30 / 100	REV. A1	

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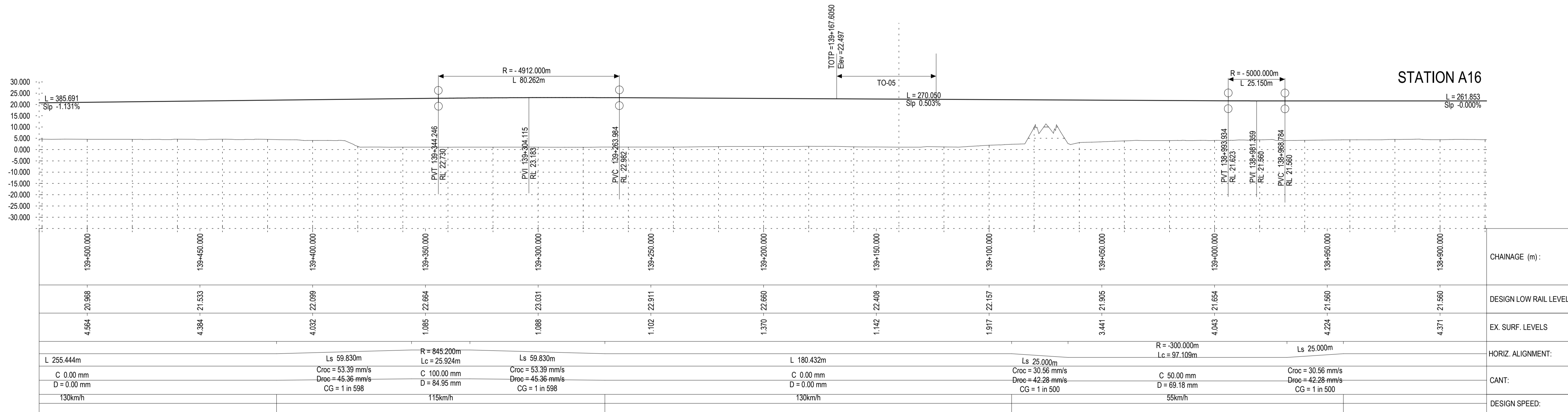
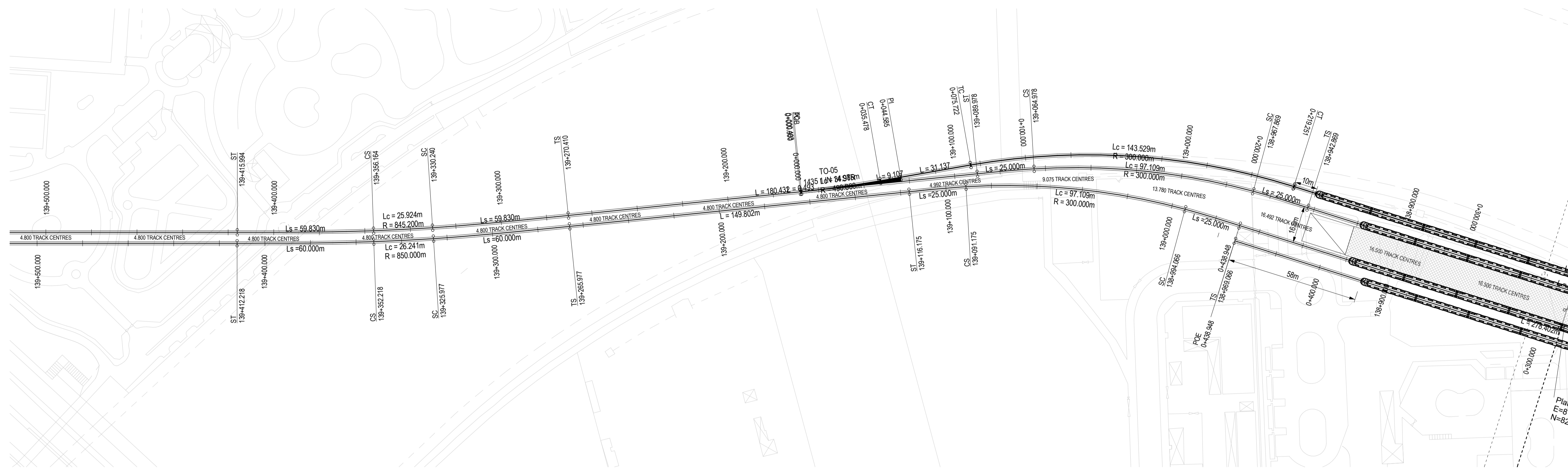
ADVANCED CHECK PRINT (ACP)



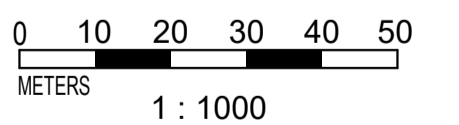
REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED
					A1	ACP		31 JAN 2022	

DRAWN	Author	 TUEN MA EXTENSION ORIGINATOR in association with
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CHECKED	Checker	
APPROVED	Approver	
DATE	06/09/21	
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TITLE CONSULTANCY AGREEMENT NO. C1501 DESIGN SERVICES FOR TUEN MA EXTENSION TUEN MA EXTENSION ALIGNMENT PLAN AND PROFILE - DOWNTRACK (SHEET 1 OF 4)		SCALE 1 : 1000 (A1)	DRAWING NO. C1501 / P / 350 / ACM / C30 / 101	REV. A1
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DATE	06/09/21

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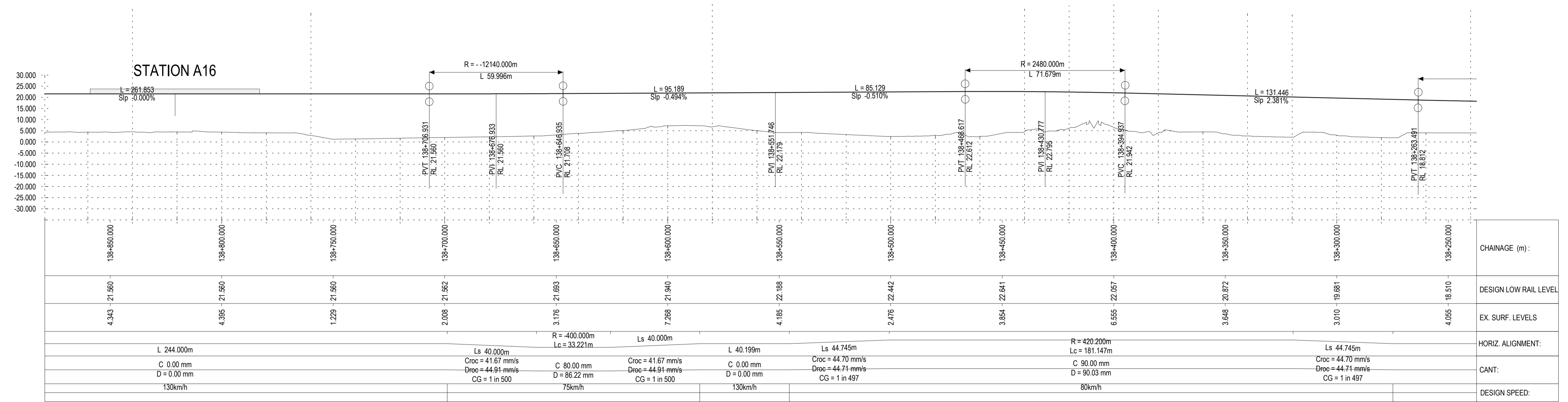
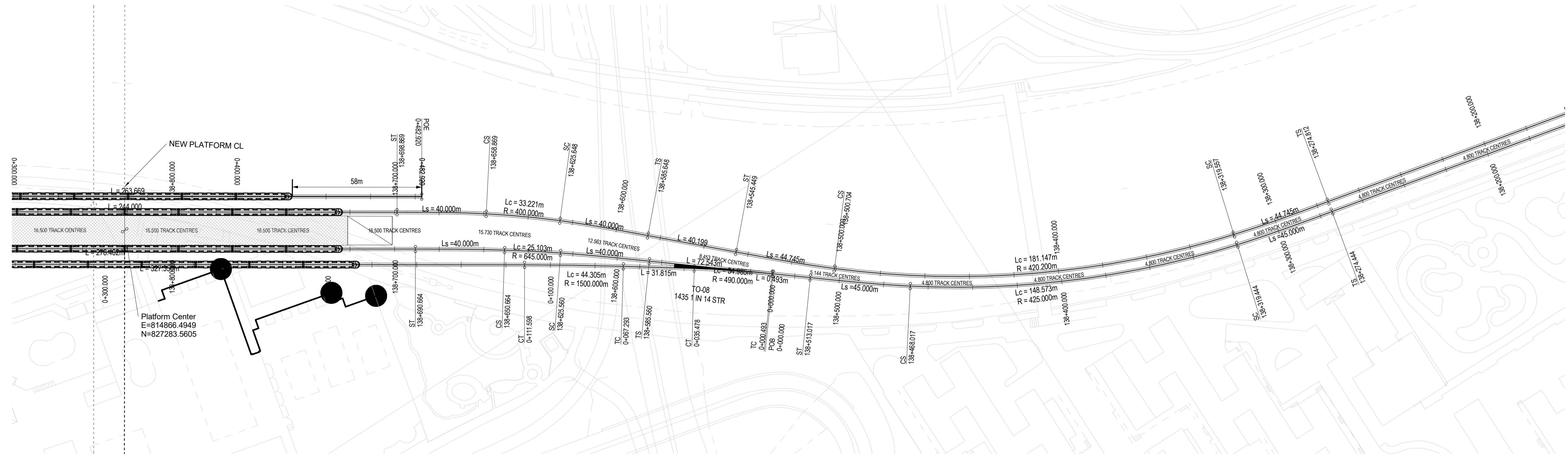
TUEN MA EXTENSION

ORIGINATOR

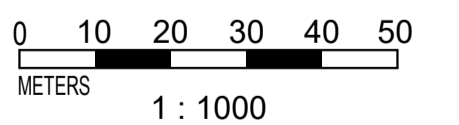
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MODEL REF. C1501-S-TME-ACM-ALM.rvt

TITLE	CONSULTANCY AGREEMENT NO. C1501 DESIGN SERVICES FOR TUEN MA EXTENSION
	TUEN MA EXTENSION ALIGNMENT PLAN AND PROFILE - DOWNTRACK (SHEET 2 OF 4)
SCALE	1: 1000 (A1)
DRAWING NO.	C1501 / P / 350 / ACM / C30 / 102
REV.	A1



ADVANCED CHECK PRINT (ACP)



31/1/2022 12:34:34 am

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REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED
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MTR

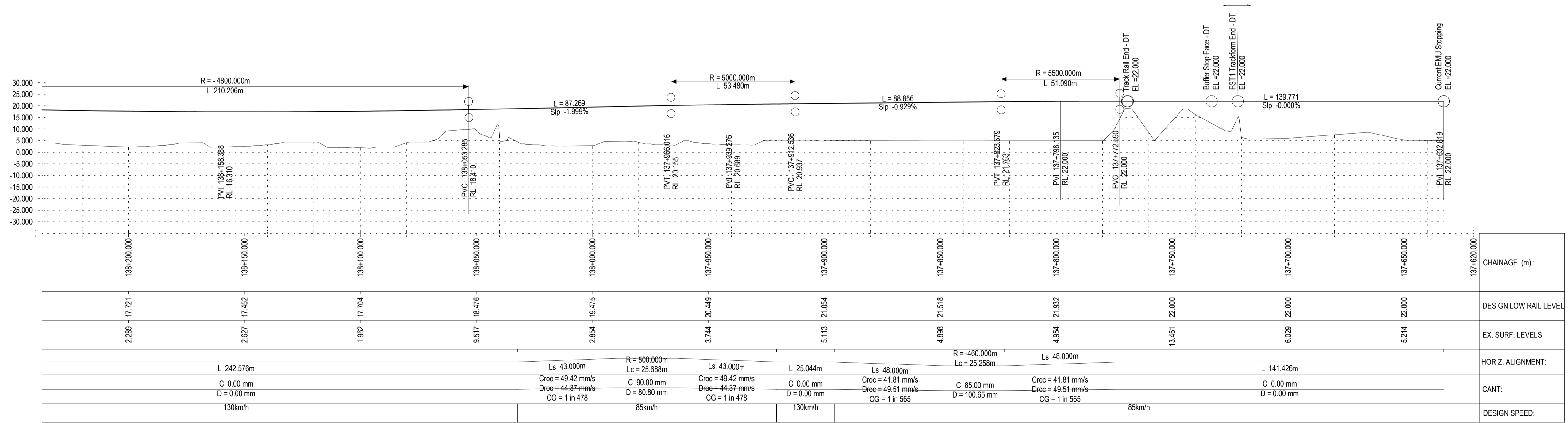
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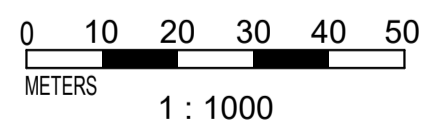
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MODEL REF. C1501-S-TME-ACM-ALM.rvt

TITLE		CONSULTANCY AGREEMENT NO. C1501	
		DESIGN SERVICES FOR TUEN MA EXTENSION	
		TUEN MA EXTENSION	
		ALIGNMENT PLAN AND PROFILE - DOWNTRACK	
		(SHEET 3 OF 4)	
SCALE	1: 1000 (A1)	DRAWING NO.	C1501 / P / 350 / ACM / C30 / 103
REV.	A1		



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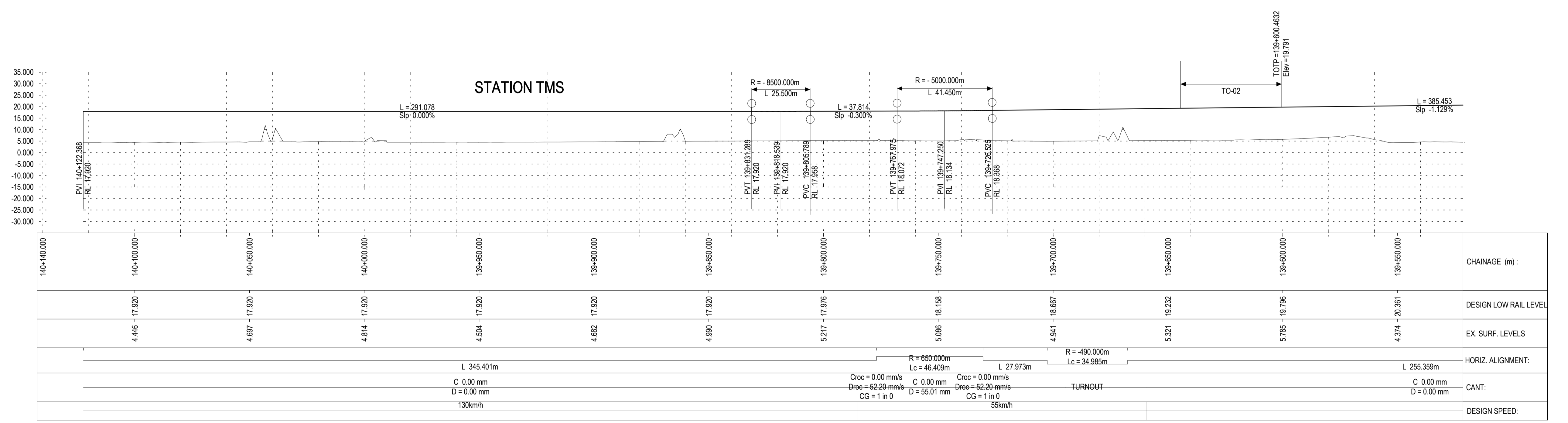
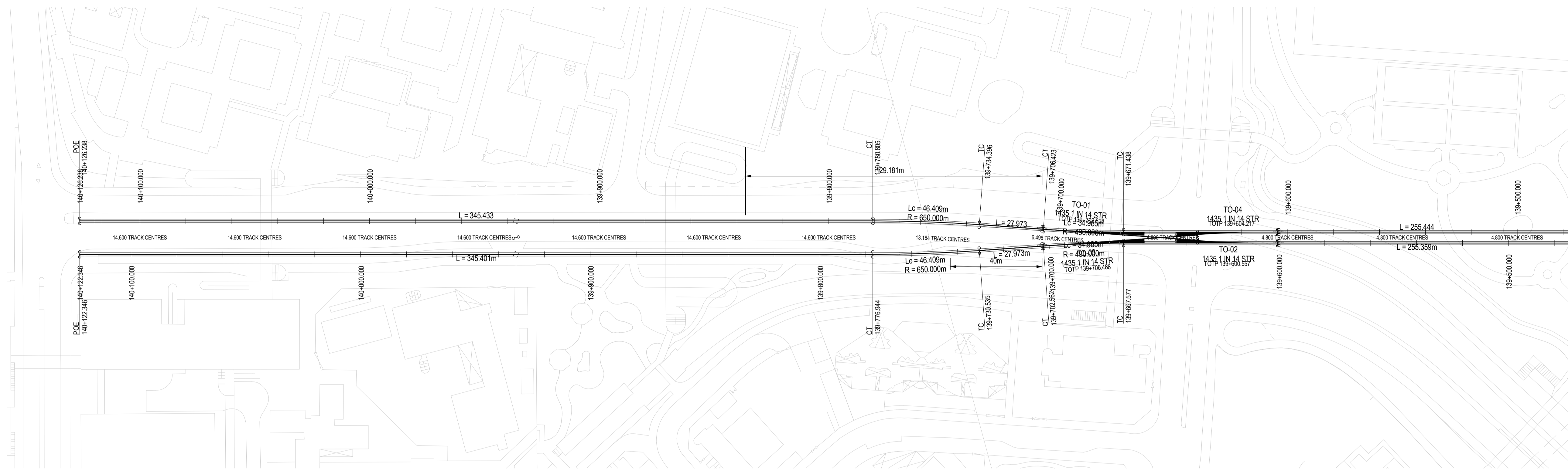
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MODELNAME: C1501-S-TME-ACM-ALM.rvt
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REV	DESCRIPTION	BY	DATE	APPROVED
A1	ACP		31 JAN 2022	

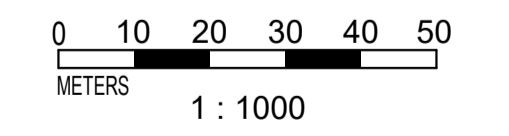
DRAWN	Author	
DESIGNED	Designer	
CHECKED	Checker	
APPROVED	Approver	
DATE	06/09/21	
ORIGINATOR		in association with
MODEL REF. C1501-S-TME-ACM-ALM.rvt		

TITLE CONSULTANCY AGREEMENT NO. C1501 DESIGN SERVICES FOR TUEN MA EXTENSION	
TUEN MA EXTENSION ALIGNMENT PLAN AND PROFILE - DOWNTRACK (SHEET 4 OF 4)	
SCALE 1:1000 (A1)	DRAWING NO. C1501 / P / 350 / ACM / C30 / 104
REV. A1	



CHAINAGE (m)	DESIGN LOW RAIL LEVEL	EX. SURF. LEVELS	HORIZ. ALIGNMENT:	CANT:	DESIGN SPEED:
140+140.000					
140+100.000	4.446	17.920			
140+050.000	4.697	17.920			
140+000.000	4.814	17.920			
139+550.000	4.504	17.920	L 345.401m	C 0.00 mm D = 0.00 mm	130km/h
139+500.000	4.682	17.920			
139+450.000	4.990	17.920			
139+400.000	5.217	17.976			
139+350.000	5.086	18.168	R = 650.000m Lc = 46.409m	Croc = 0.00 mm/s Droc = 62.20 mm/s CG = 1 in 0	
139+300.000	5.086	18.168			
139+250.000	4.941	18.667	R = 490.000m Lc = 34.985m	Croc = 0.00 mm/s Droc = 62.20 mm/s CG = 1 in 0	55km/h
139+200.000	4.941	18.667			
139+150.000	5.321	19.232			
139+100.000	5.785	19.796			
139+050.000	4.374	20.361	L 255.359m	C 0.00 mm D = 0.00 mm	
139+000.000					

ADVANCED CHECK PRINT (ACP)



REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED
					A1	ACP		31 JAN 2022	

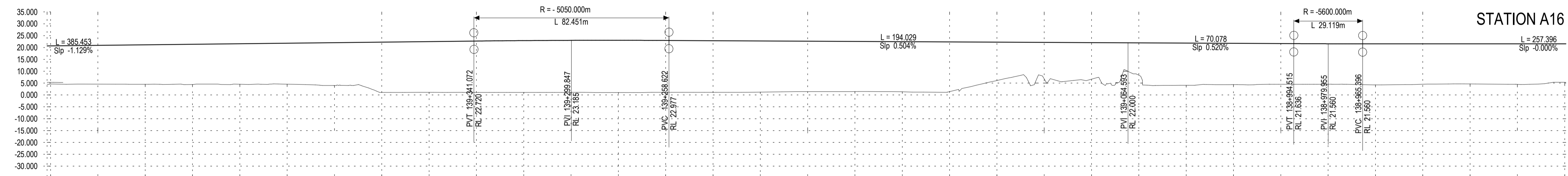
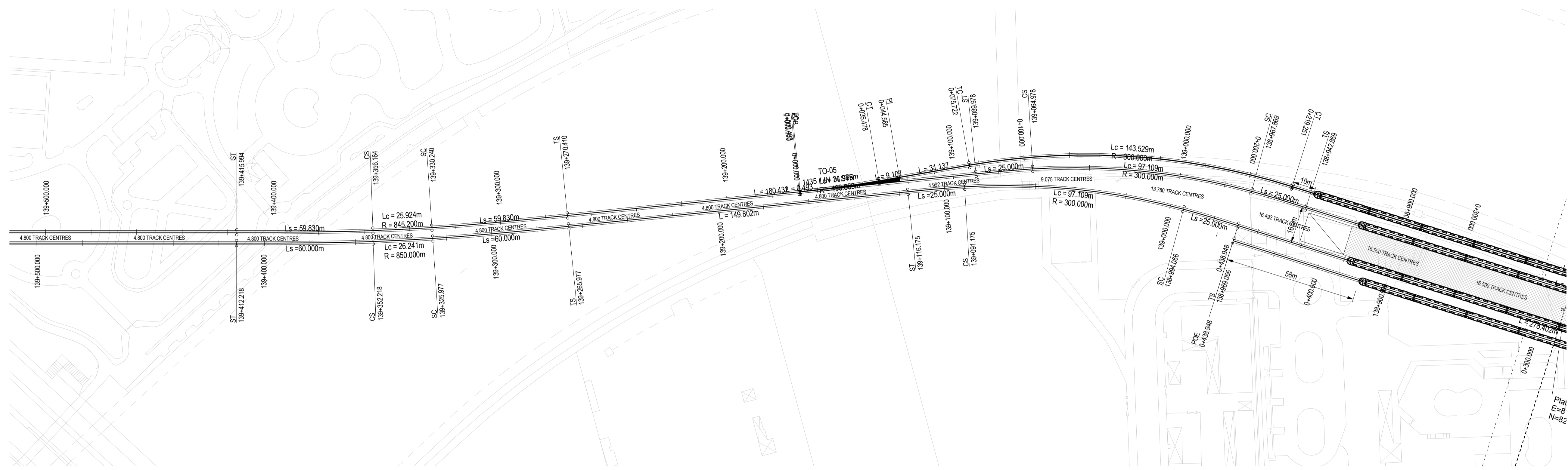
DRAWN	Author
DESIGNED	Designer
CHECKED	Checker
APPROVED	Approver
DATE	06/09/21

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TUEN MA EXTENSION

ORIGINATOR
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MODEL REF. C1501-S-TME-ACM-ALM.rvt

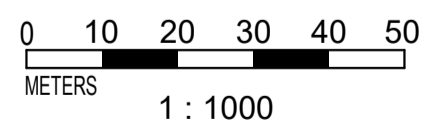
TITLE CONSULTANCY AGREEMENT NO. C1501 DESIGN SERVICES FOR TUEN MA EXTENSION
TUEN MA EXTENSION ALIGNMENT PLAN AND PROFILE - UTRACK (SHEET 1 OF 4)
SCALE 1: 1000 (A1)
DRAWING NO. C1501 / P / 350 / ACM / C30 / 105
REV. A1



STATION A16

139+500.000	139+450.000	139+400.000	139+350.000	139+300.000	139+250.000	139+200.000	139+150.000	139+100.000	139+050.000	139+000.000	139+950.000	139+900.000	CHAINAGE (m):														
4.570	20.325	4.571	21.490	3.992	22.054	1.077	22.619	1.096	23.016	1.101	22.934	1.385	22.662	1.172	22.430	6.777	22.176	4.012	21.924	4.483	21.664	4.346	21.560	4.470	21.560	DESIGN LOW RAIL LEVEL	
																										EX. SURF. LEVELS	
																											HORIZ. ALIGNMENT:
																											CANT:
																											DESIGN SPEED:

ADVANCED CHECK PRINT (ACP)



REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED
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MODEL REF. C1501-S-TME-ACM-ALM.rvt

TITLE

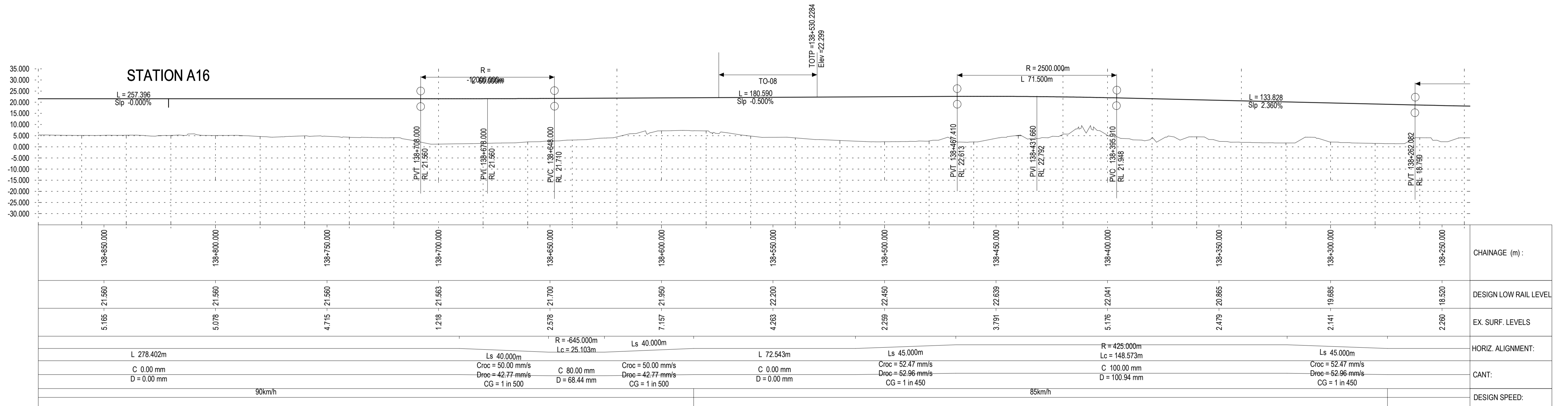
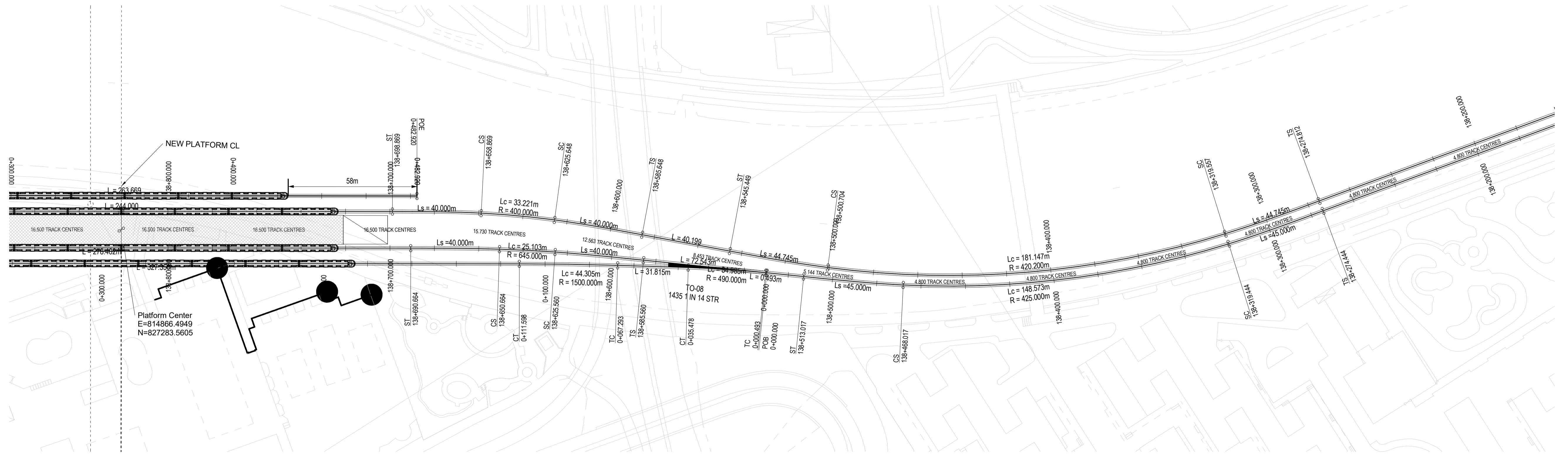
CONSULTANCY AGREEMENT NO. C1501

DESIGN SERVICES FOR TUEN MA EXTENSION

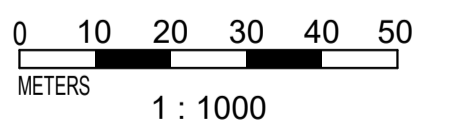
TUEN MA EXTENSION
ALIGNMENT PLAN AND PROFILE - UPRACK
(SHEET 2 OF 4)

SCALE 1:1000 (A1) DRAWING NO. C1501 / P / 350 / ACM / C30 / 106 REV. A1

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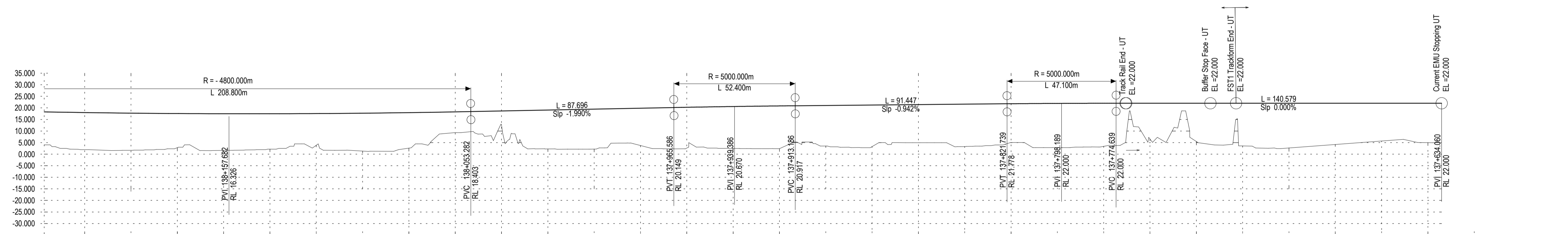
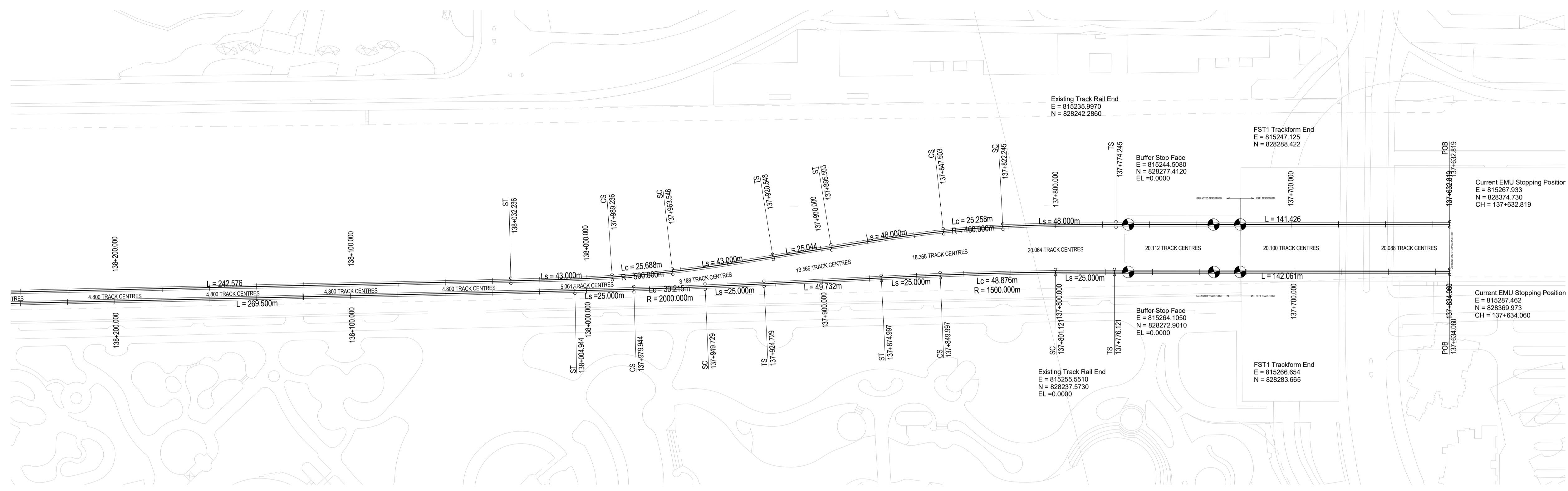


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A1	ACP		31 JAN 2022	

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DESIGNED	Designer	
CHECKED	Checker	
APPROVED	Approver	
DATE	06/09/21	

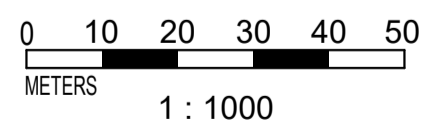
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TITLE	CONSULTANCY AGREEMENT NO. C1501	
	DESIGN SERVICES FOR TUEN MA EXTENSION	
	TUEN MA EXTENSION	
	ALIGNMENT PLAN AND PROFILE - UPTRACK	
	(SHEET 3 OF 4)	
SCALE	1: 1000 (A1)	
DRAWING NO.	C1501 / P / 350 / ACM / C30 / 107	
REV.	A1	



CHAINAGE (m)	DESIGN LOW RAIL LEVEL	EX. SURF. LEVELS	HORIZ. ALIGNMENT:	CANT:	DESIGN SPEED:
138+200.000	1.645 - 17.726		L 269.500m	C 0.00 mm	115km/h
138+150.000	1.825 - 17.463		Ls 25.000m	D 0.00 mm	
138+100.000	1.308 - 17.701		R=2000.000m		
138+050.000	8.662 - 18.469		Lc=30.215m		
138+000.000	2.176 - 19.464		Ls 25.000m		
137+950.000	2.616 - 20.434		L 49.732m		
137+900.000	3.514 - 21.041		Ls 25.000m		
137+850.000	4.985 - 21.512		Lc=48.876m		
137+800.000	2.634 - 21.936		Ls 25.000m		
137+750.000	10.819 - 22.000		L 142.061m		
137+700.000	2.687 - 22.000				
137+650.000	6.247 - 22.000				
137+620.000					

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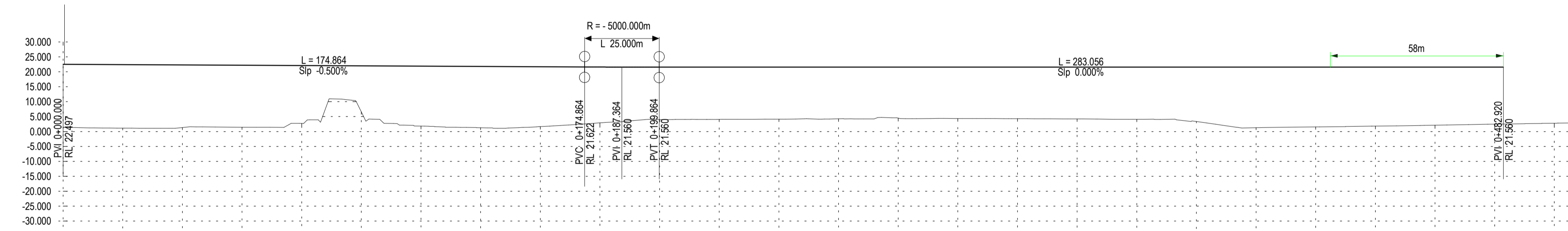
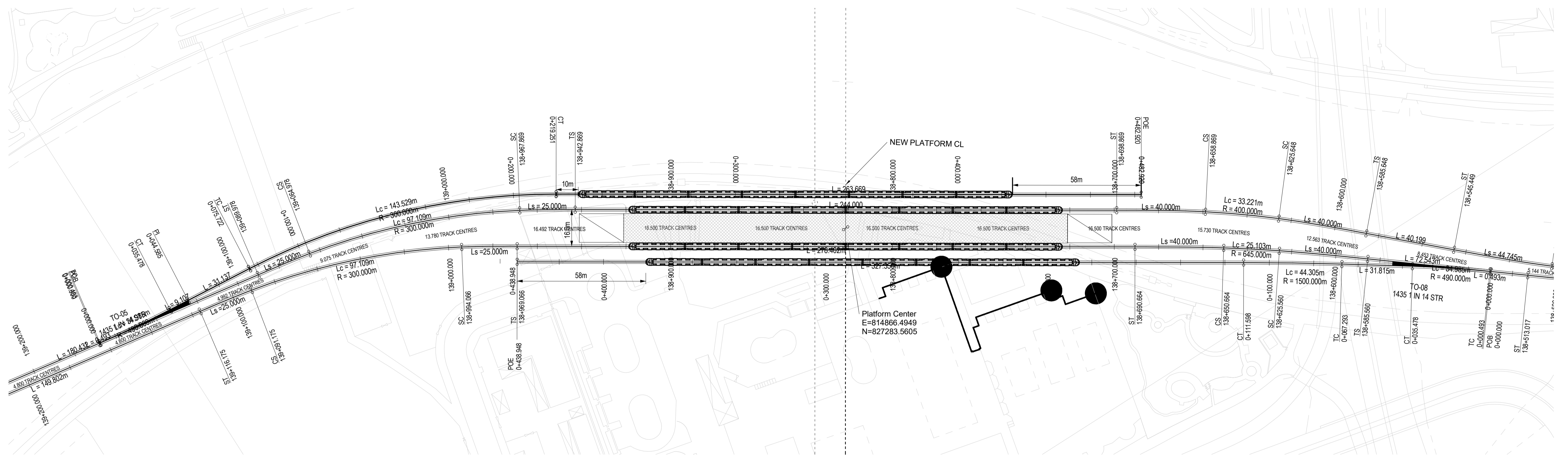
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MTR
TUEN MA EXTENSION

ORIGINATOR
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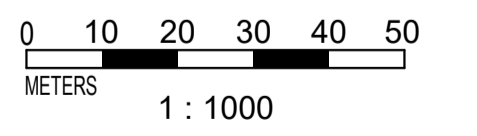
MODEL REF. C1501-S-TME-ACM-ALM.rvt

TITLE CONSULTANCY AGREEMENT NO. C1501 DESIGN SERVICES FOR TUEN MA EXTENSION
TUEN MA EXTENSION ALIGNMENT PLAN AND PROFILE - UPTRACK (SHEET 4 OF 4)
SCALE 1: 1000 (A1)
DRAWING NO. C1501 / P / 350 / ACM / C30 / 108
REV. A1



CHAINAGE (m)	0+000.000	0+050.000	0+100.000	0+150.000	0+200.000	0+250.000	0+300.000	0+350.000	0+400.000	0+450.000	0+500.000	0+520.000
DESIGN LOW RAIL LEVEL												
EX. SURF. LEVELS	1.394	22.247	21.997	21.747	21.580	21.580	21.580	21.580	21.580	21.580	21.580	21.580
HORIZ. ALIGNMENT	R = 490.000m L = 0.493m		L = 9.107m		R = 300.000m Lc = 143.529m		L = 263.669m					
CANT	TURNOUT		Croc = 0.00 mm/s Droc = 43.51 mm/s CG = 1 in 0		C = 0.00 mm D = 63.04 mm		Croc = 0.00 mm/s Droc = 43.51 mm/s CG = 1 in 0					
DESIGN SPEED	55km/h		40km/h		130km/h							

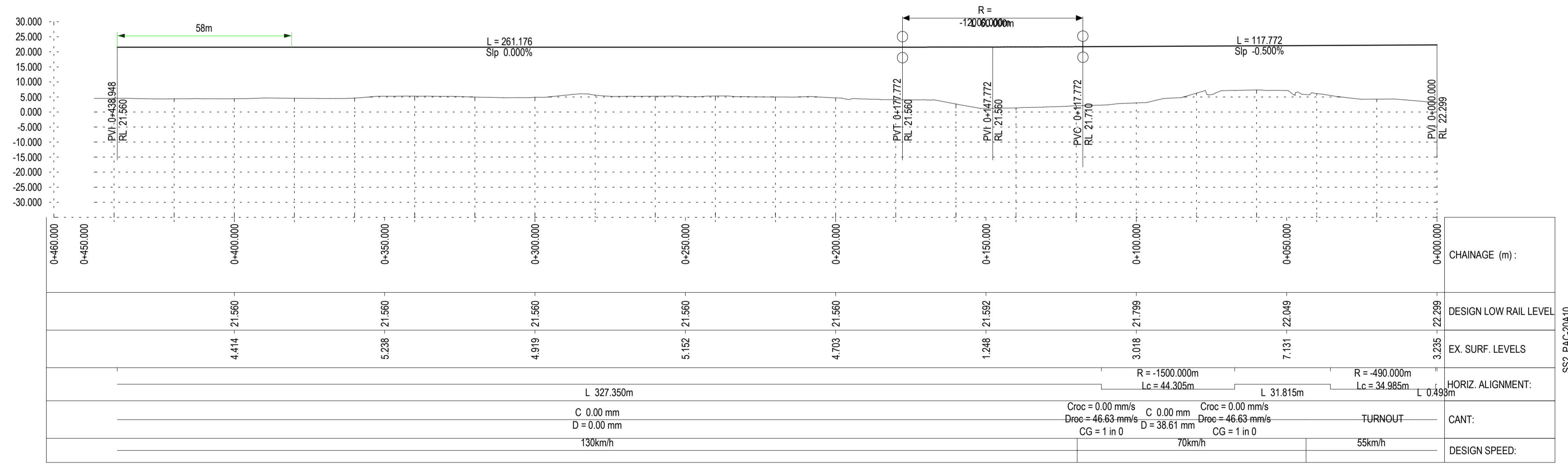
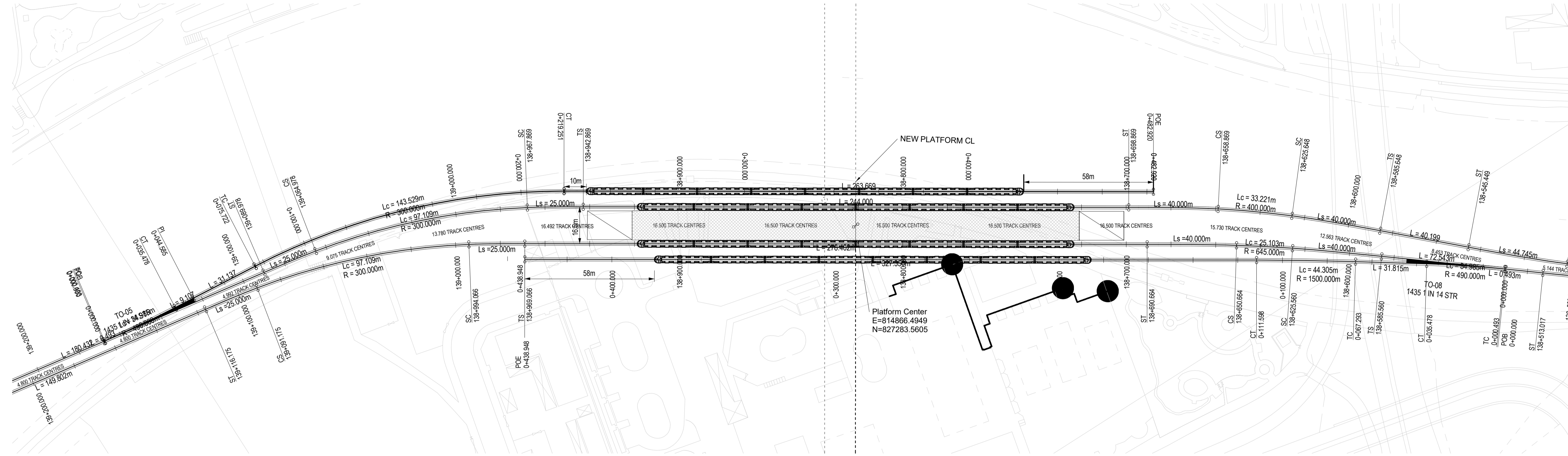
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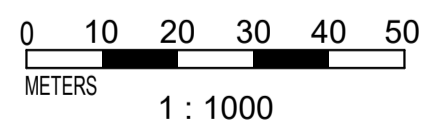
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TITLE		CONSULTANCY AGREEMENT NO. C1501	
		DESIGN SERVICES FOR TUEN MA EXTENSION	
		TUEN MA EXTENSION ALIGNMENT PROFILE SIDING DOWNTRACK	
SCALE	1: 1000 (A1)	DRAWING NO.	C1501 / P / 350 / ACM / C30 / 109
REV.	A1		



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		TUEN MA EXTENSION	
		ALIGNMENT PROFILE SIDING UPTRACK	
SCALE	1: 1000 (A1)	DRAWING NO.	C1501 / P / 350 / ACM / C30 / 110
REV.	A1		