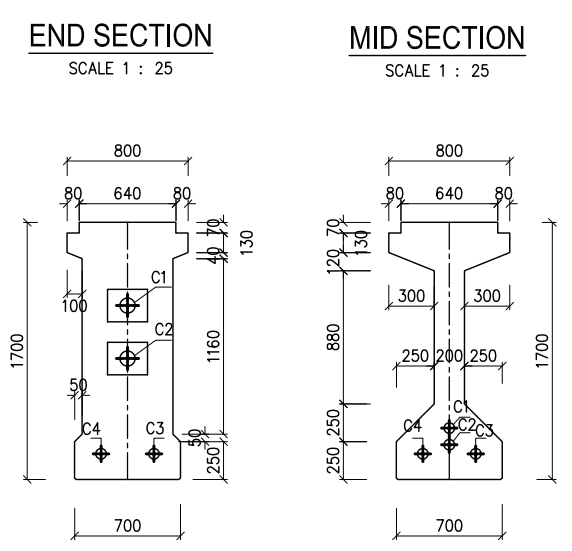
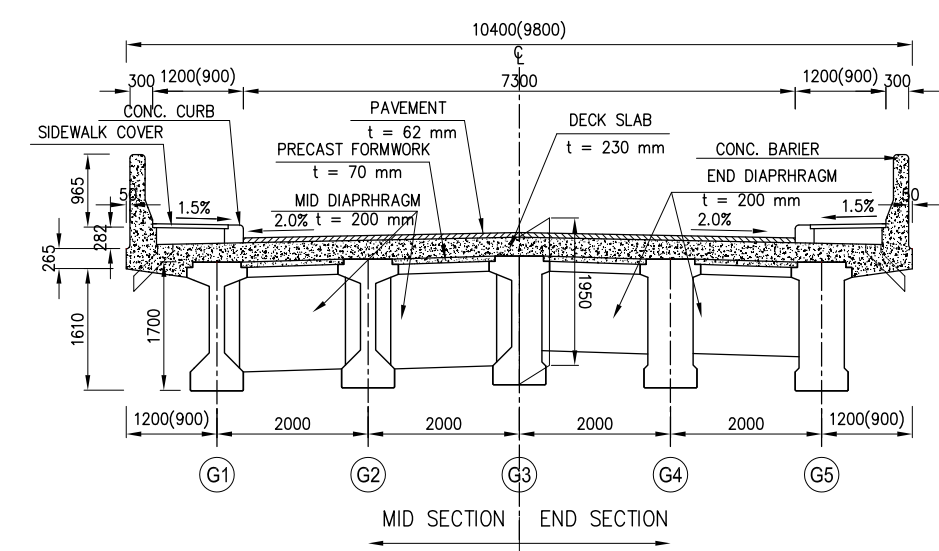
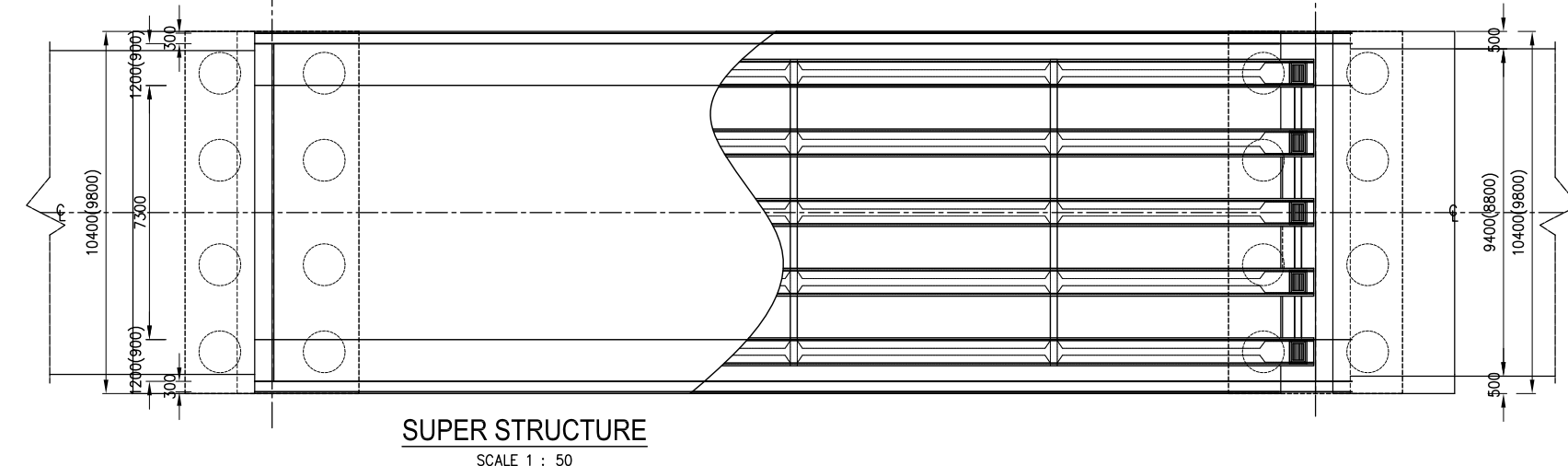
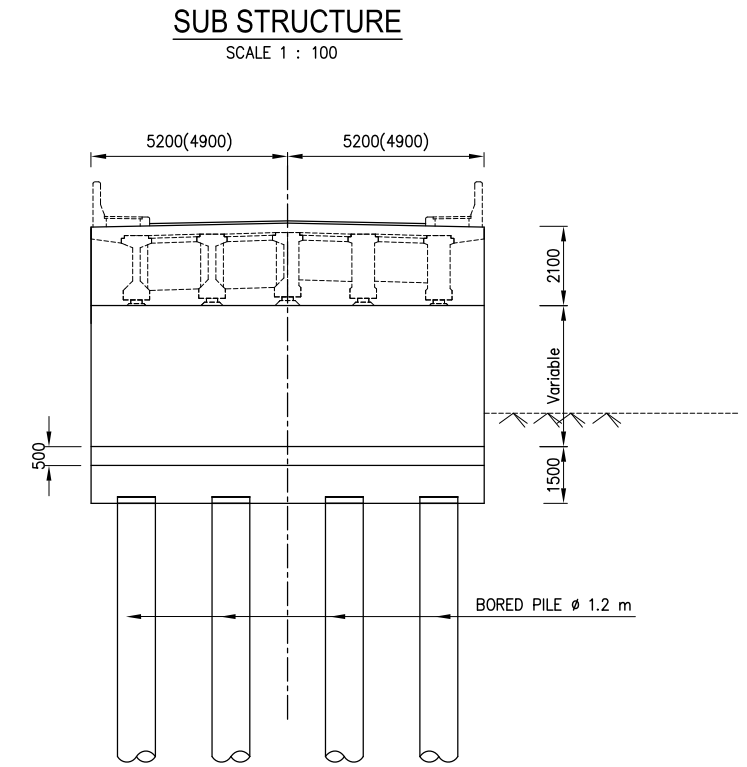
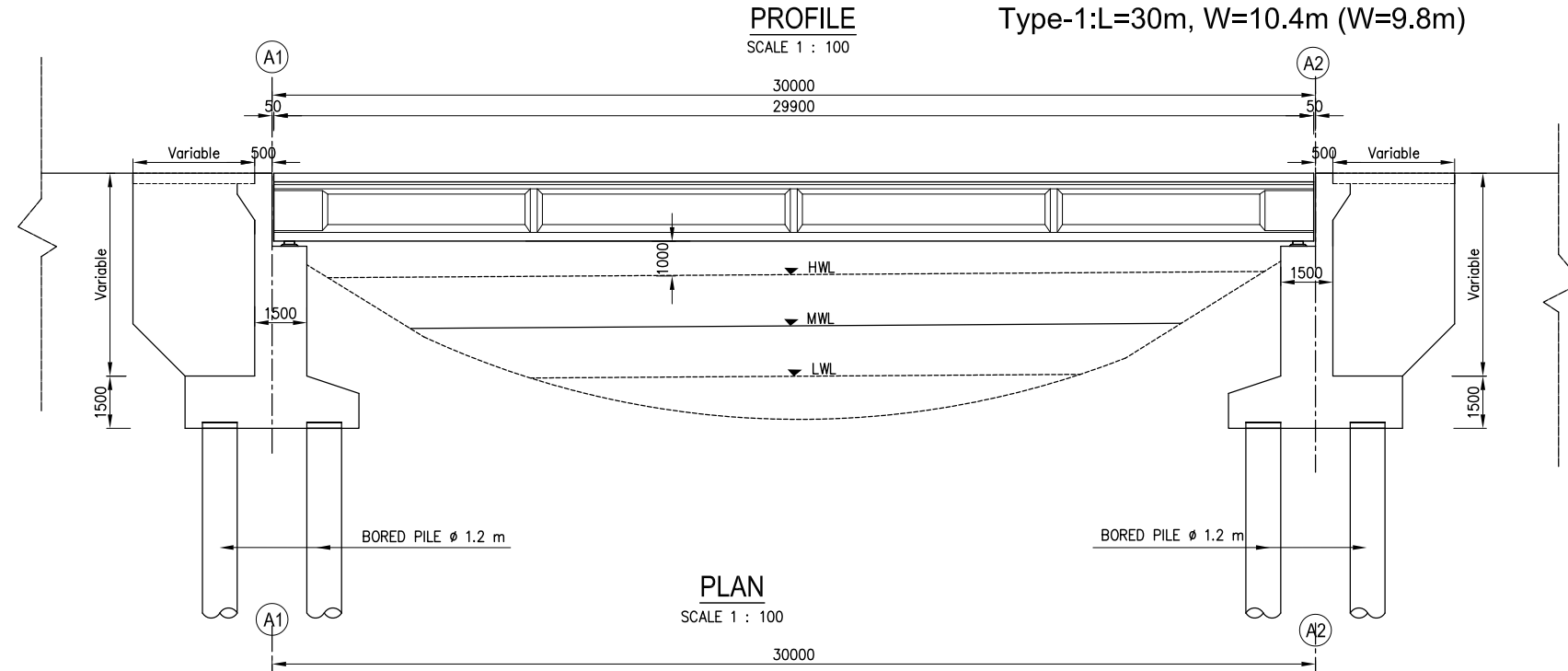


C. General View of Bridge

General View of PC-I Girder

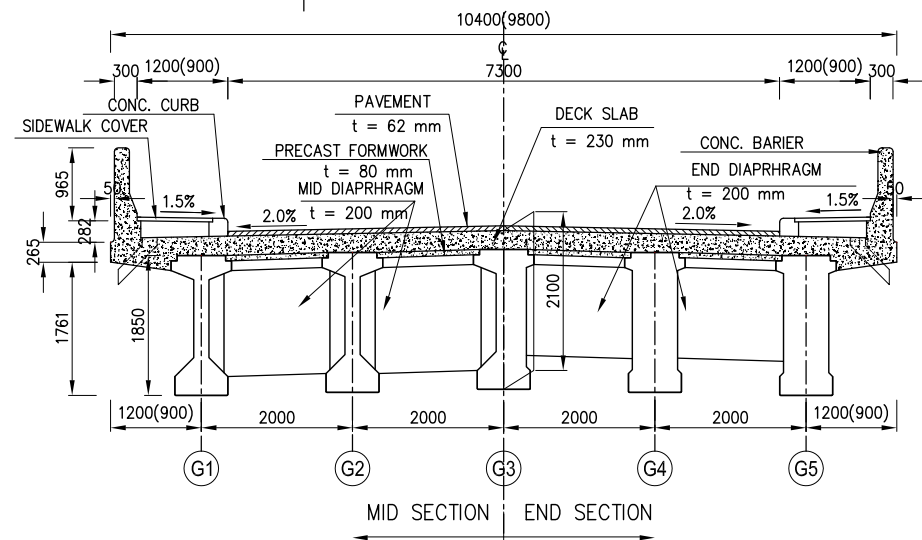
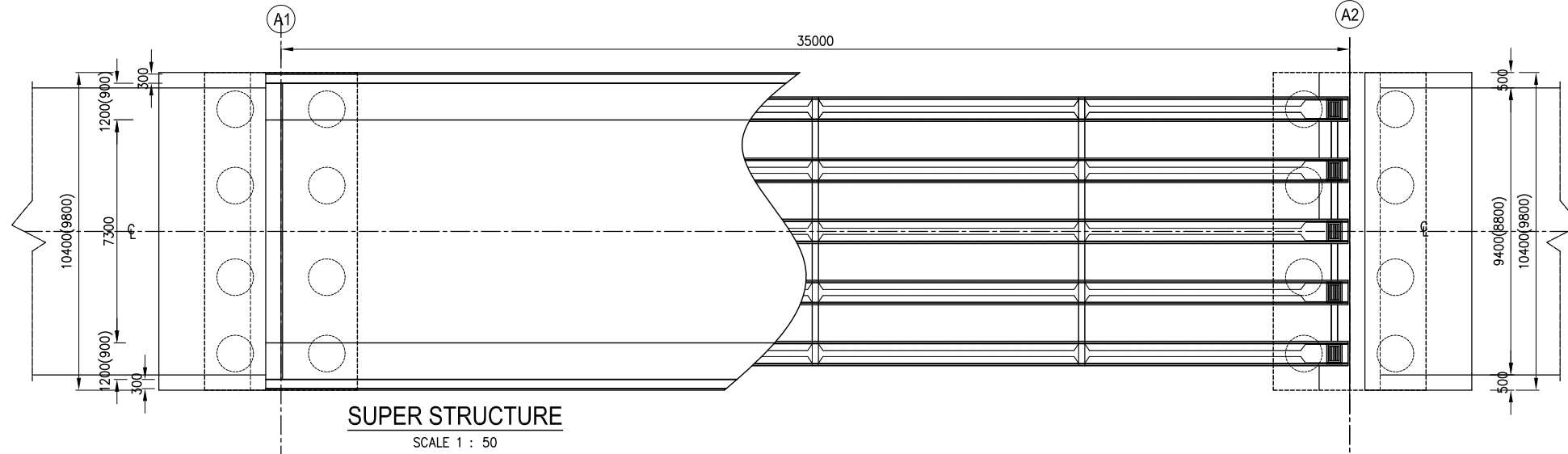
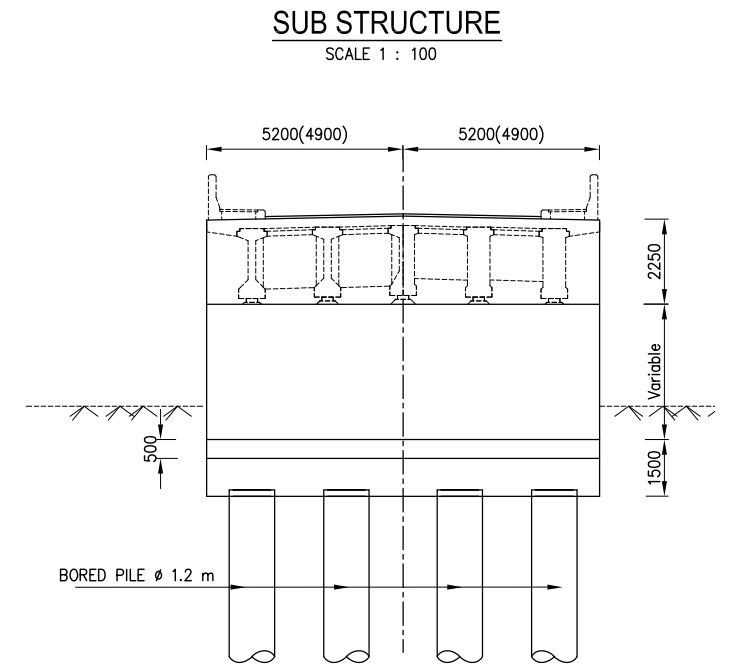
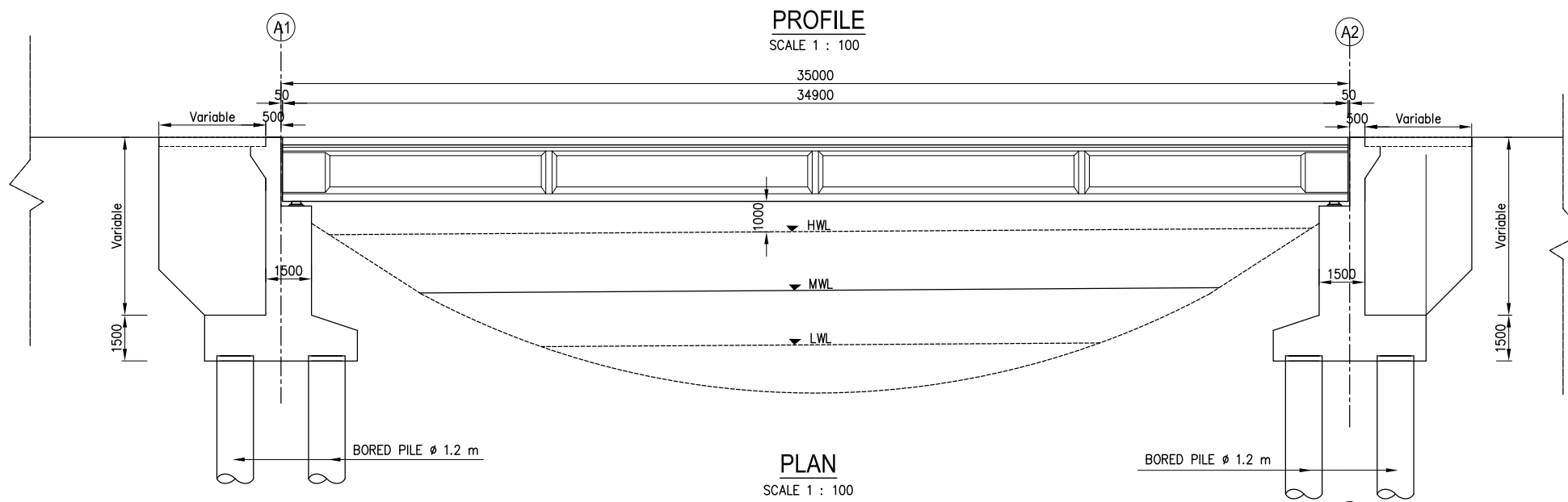
Type-1:L=30m, W=10.4m (W=9.8m)



Note:
The numerical value in parentheses shows Zilla Road.

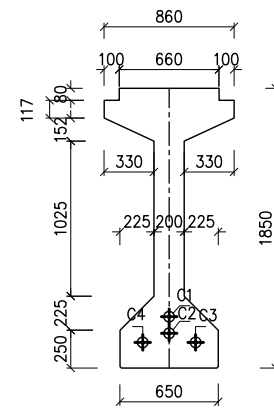
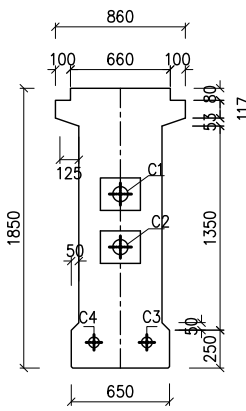
General View of PC-I Girder

Type-2:L=35m, W=10.4m (W=9.8m)

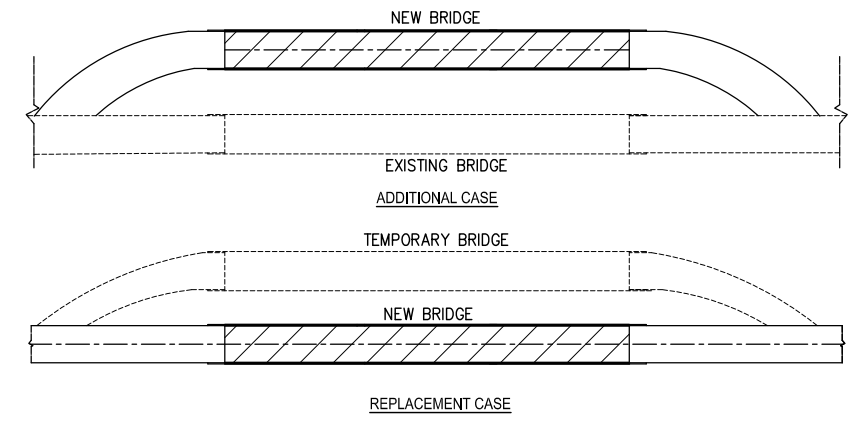


END SECTION
SCALE 1 : 25

MID SECTION
SCALE 1 : 25



KEY PLAN

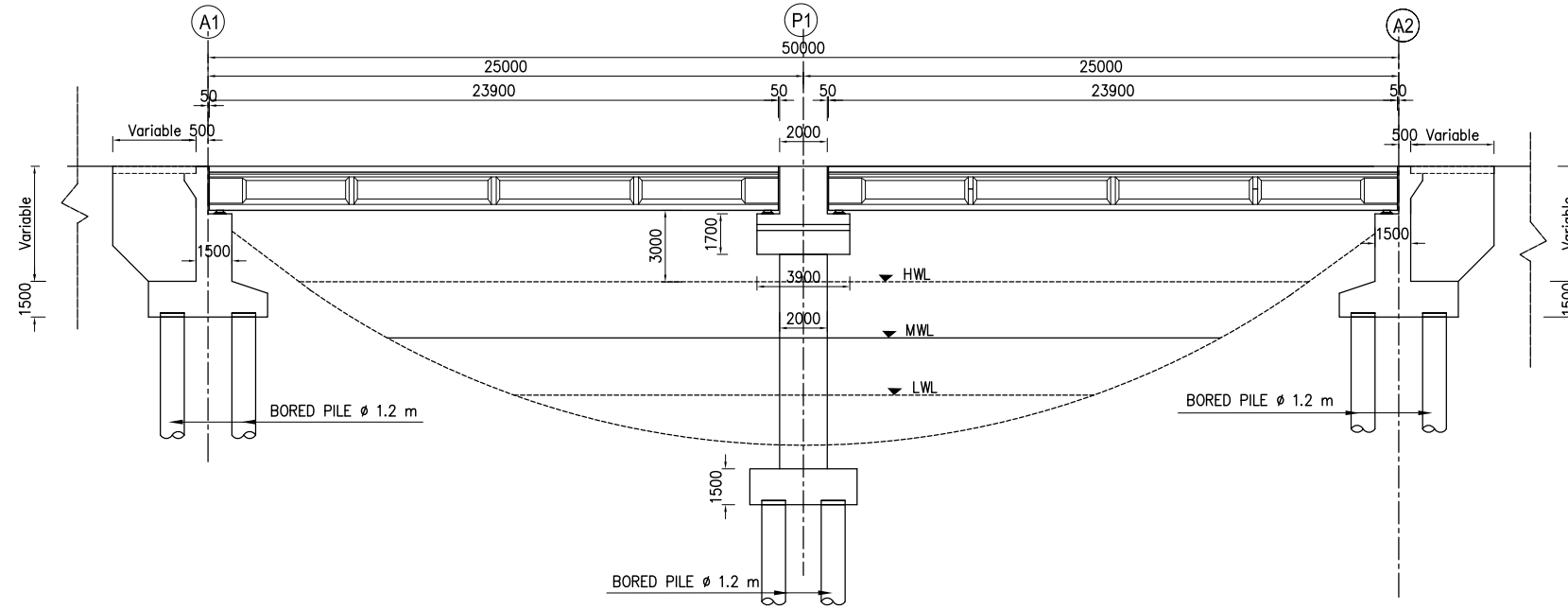


Note:
The numerical value in parentheses shows Zilla Road.

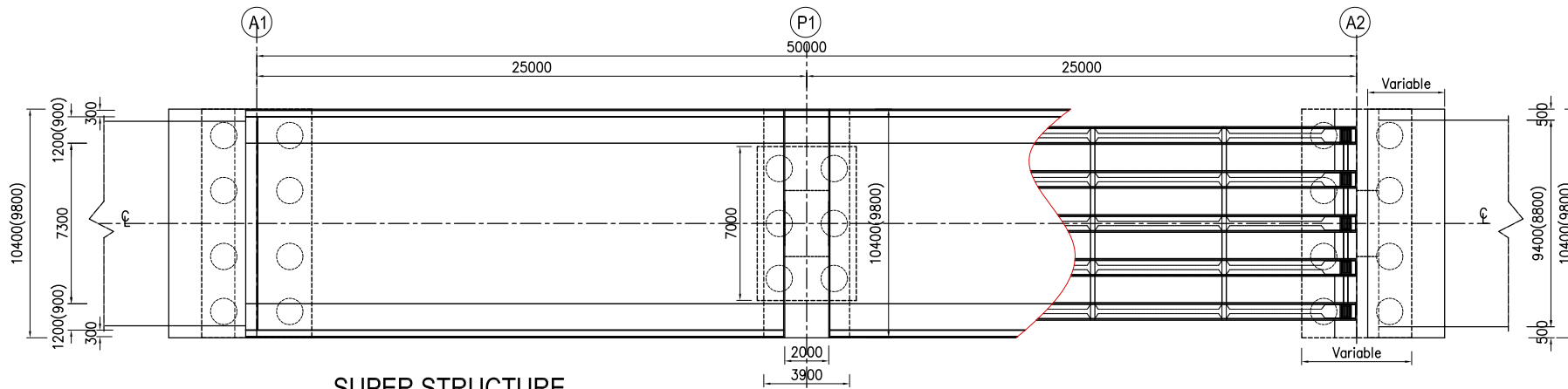
MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No. _____	REVISION _____	DATE _____	PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT		DESIGNED BY: _____
					General View of PC-I Girder Type-2:L=35m, W=10.4m (W=9.8m)	CHECKED BY: _____	
							APPROVED BY: _____
							DWG. NO. GV-2

General View of PC-I Girder

PROFILE Type-4:L=50m (2@25m), W=10.4m (W=9.8m)
SCALE 1 : 150

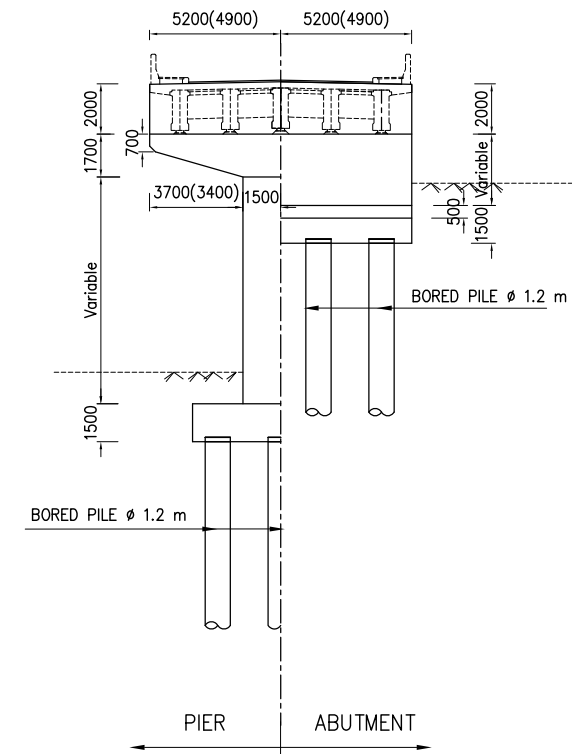


PLAN SCALE 1 : 150

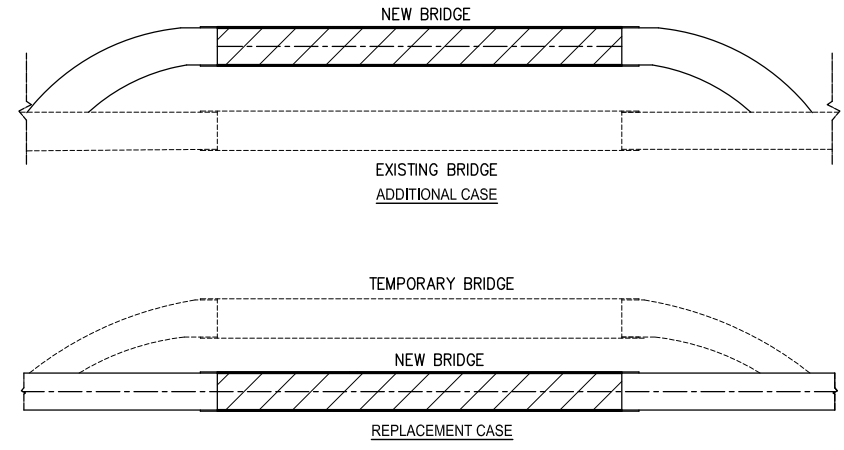


SUPER STRUCTURE SCALE 1 : 50

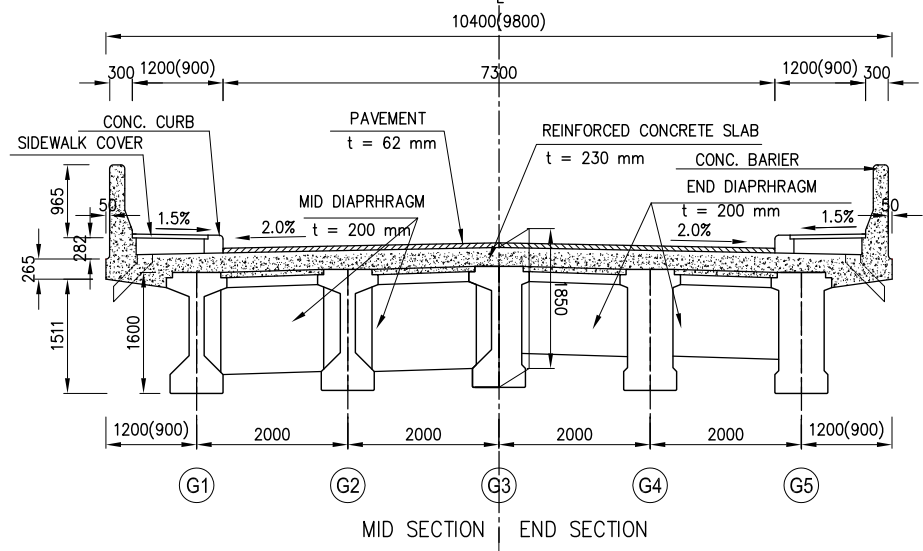
SUB STRUCTURE SCALE 1 : 150



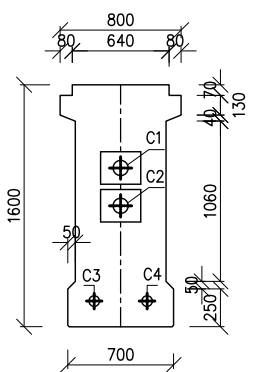
KEY PLAN



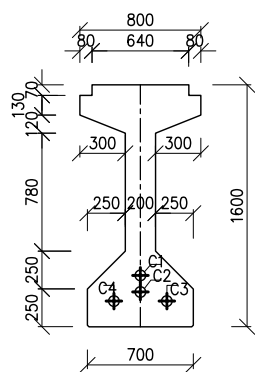
Note: The numerical value in parentheses shows Zilla Road.



END SECTION SCALE 1 : 25

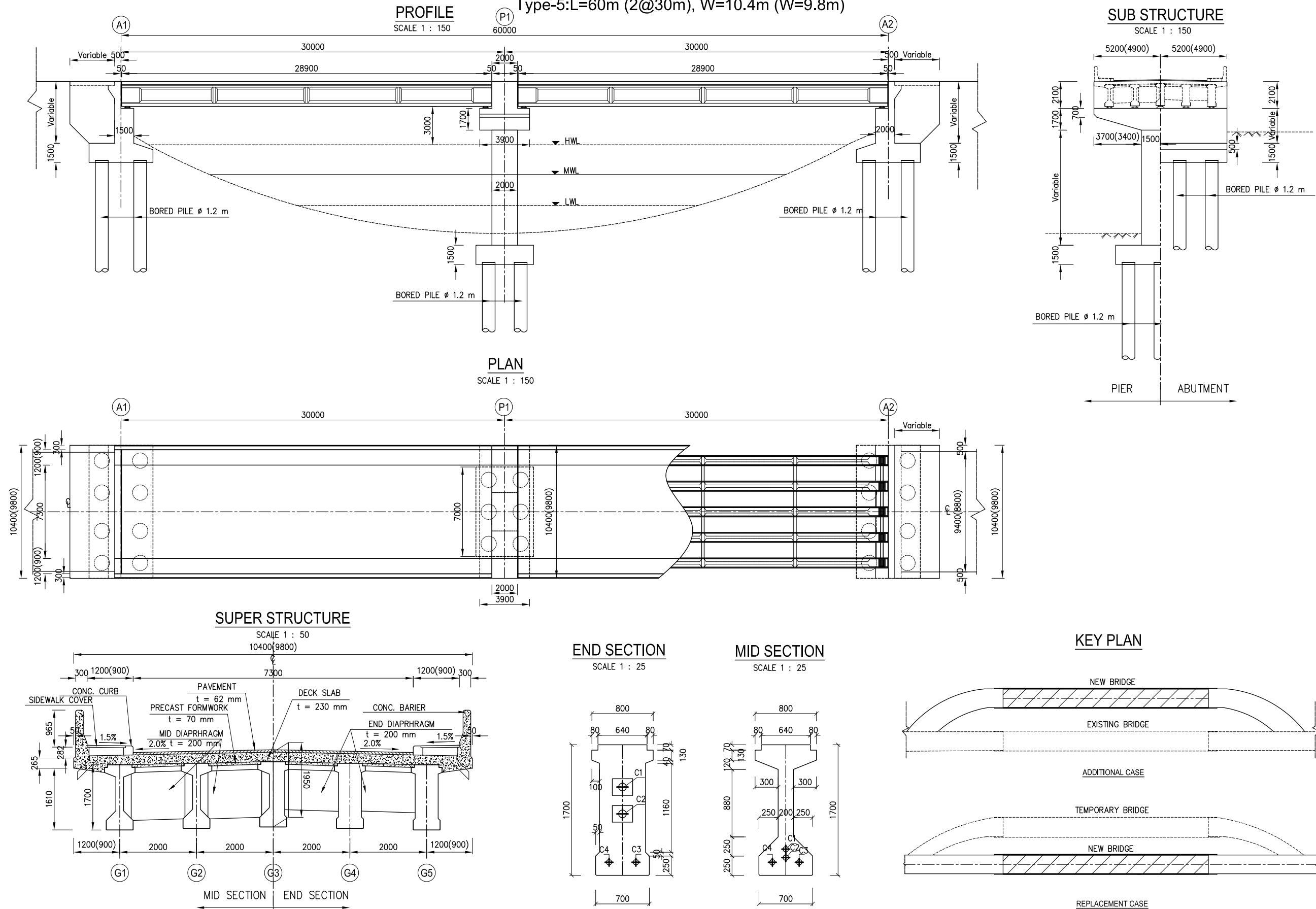


MID SECTION SCALE 1 : 25



General View of PC-I Girder

Type-5:L=60m (2@30m), W=10.4m (W=9.8m)

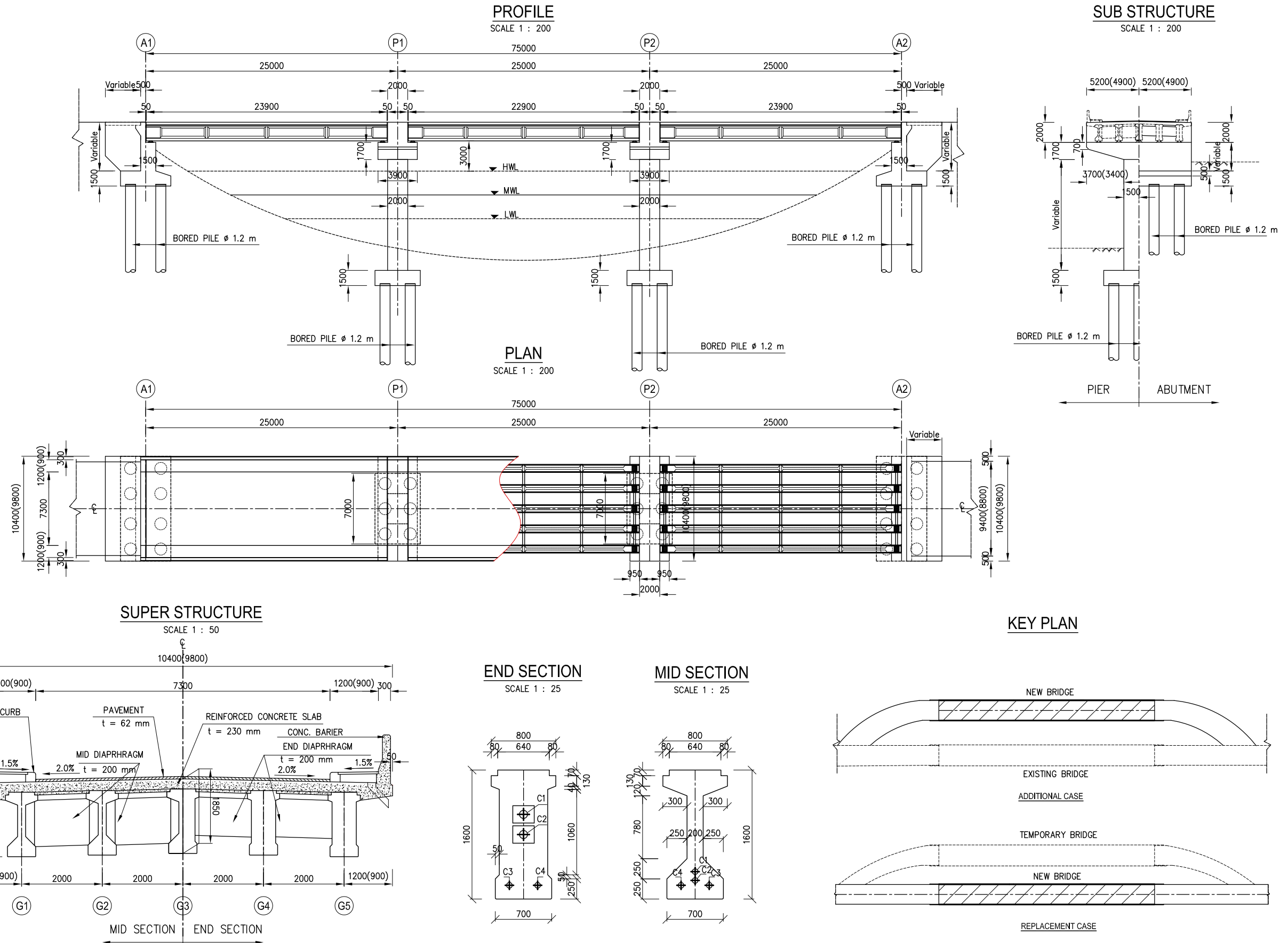


Note:
The numerical value in parentheses shows Zilla Road.

<p>MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL</p>	<p>PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT</p>		<p>DESIGNED BY:</p>
			<p>General View of PC-I Girder Type-5:L=60m (2@30m), W=10.4m (W=9.8m)</p>		<p>CHECKED BY:</p>
<p>REVISION</p>			<p>DATE</p>	<p>APPROVED BY:</p>	<p>DWG. NO. GV-5</p>

General View of PC-I Girder

Type-6:L=75m (3@25m), W=10.4m (W=9.8m)

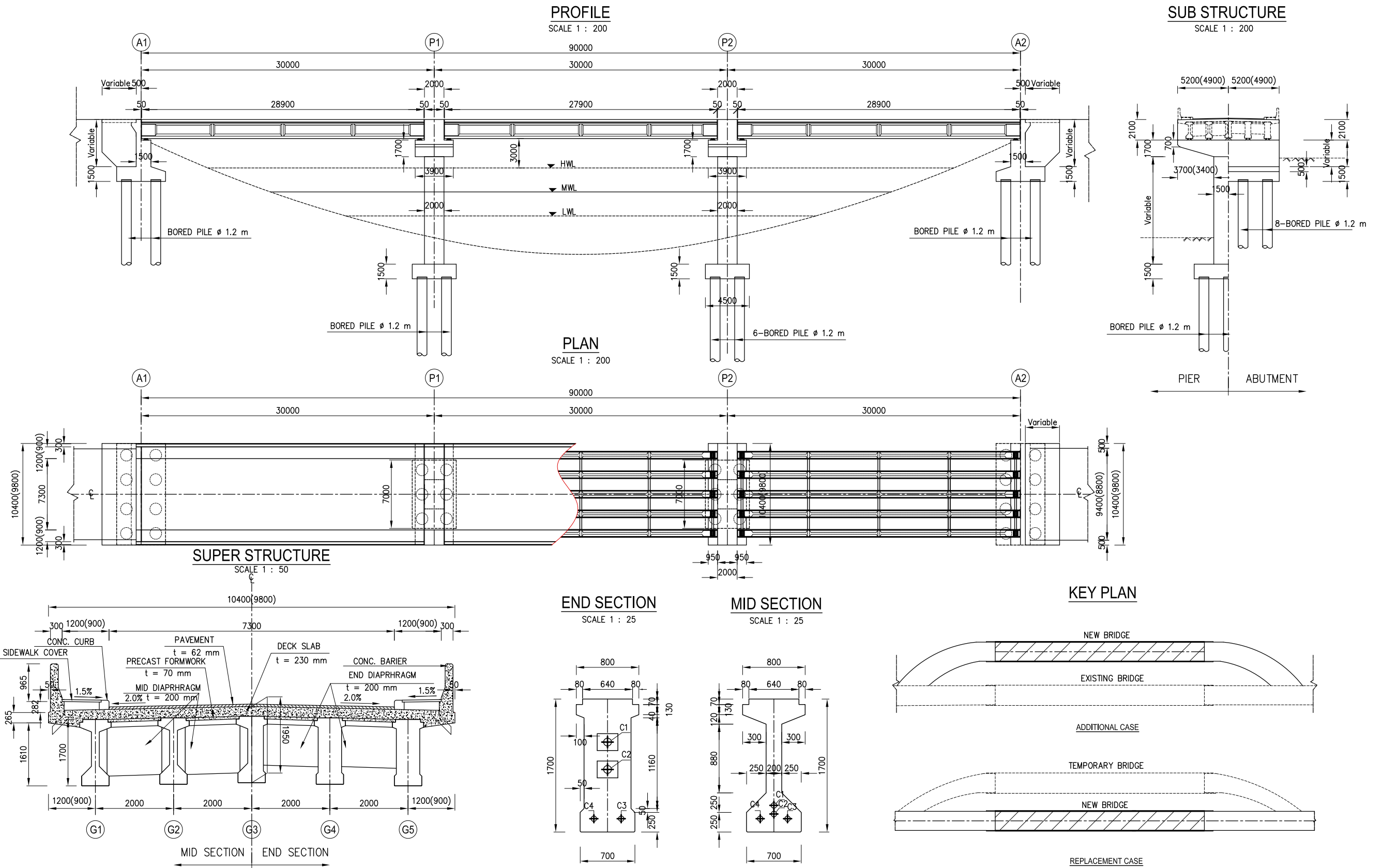


Note:
The numerical value in parentheses shows Zilla Road.

<p>MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL</p>	<p>PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT</p>		DESIGNED BY:
			<p>General View of PC-I Girder Type-6:L=75m (3@25m), W=10.4m (W=9.8m)</p>		CHECKED BY:
<p>REVISION</p>			<p>DATE</p>		APPROVED BY:
<p>No</p>			<p>DATE</p>		DWG. NO. GV-6

General View of PC-I Girder

Type-7:L=90m (3@30m), W=10.4m (W=9.8m)

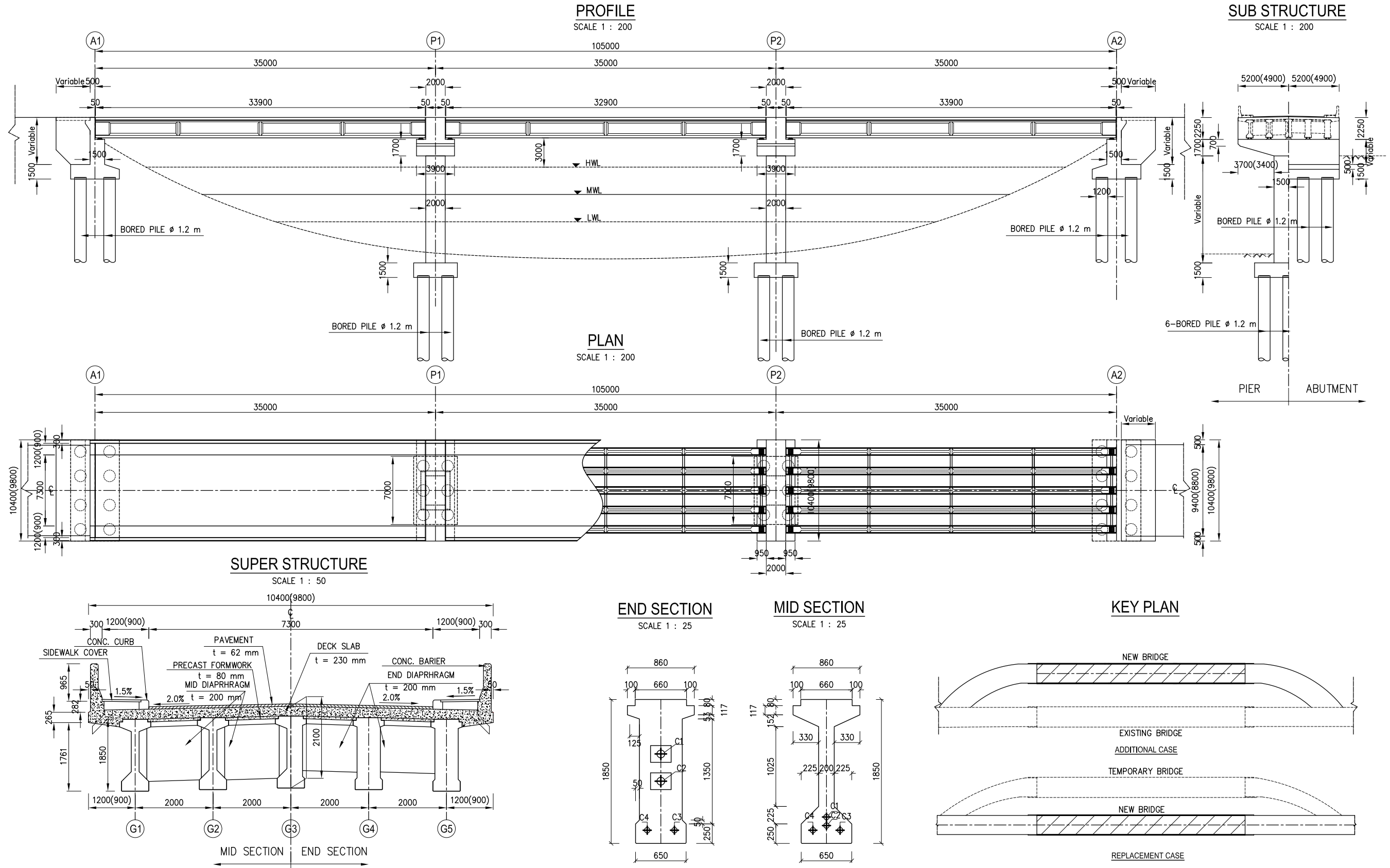


Note:
The numerical value in parentheses shows Zilla Road.

<p>MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL</p>		PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT	DESIGNED BY:	
				General View of PC-I Girder Type-7:L=90m (3@30m), W=10.4m (W=9.8m)	CHECKED BY:	
REVISION				DATE	APPROVED BY:	
					DWG. NO.	GV-7

General View of PC-I Girder

Type-8:L=105m (3@35m), W=10.4m (W=9.8m)

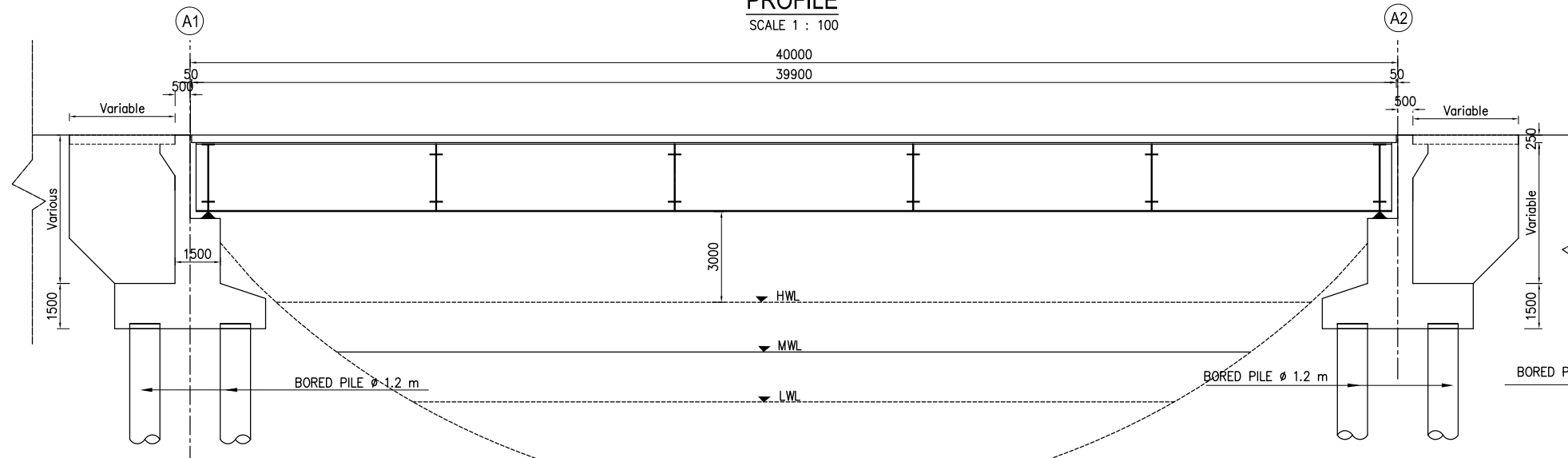


Note:
The numerical value in parentheses shows Zilla Road.

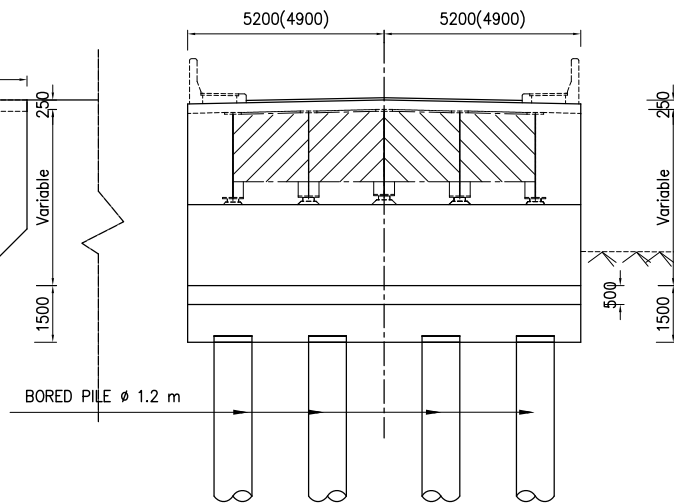
General View of Steel-I Girder

Type-1:L=40m, W=10.4m (W=9.8m)

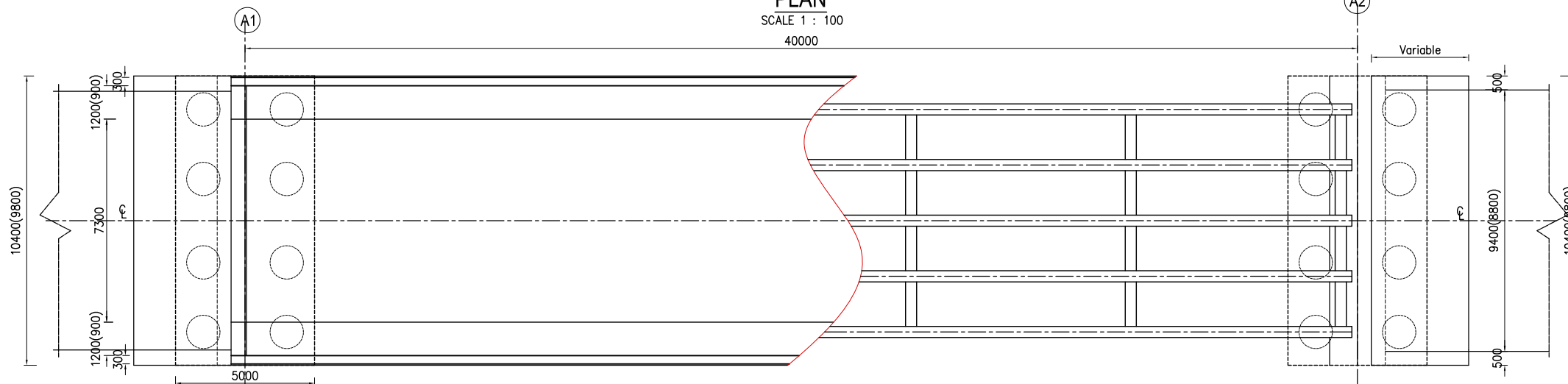
PROFILE
SCALE 1 : 100



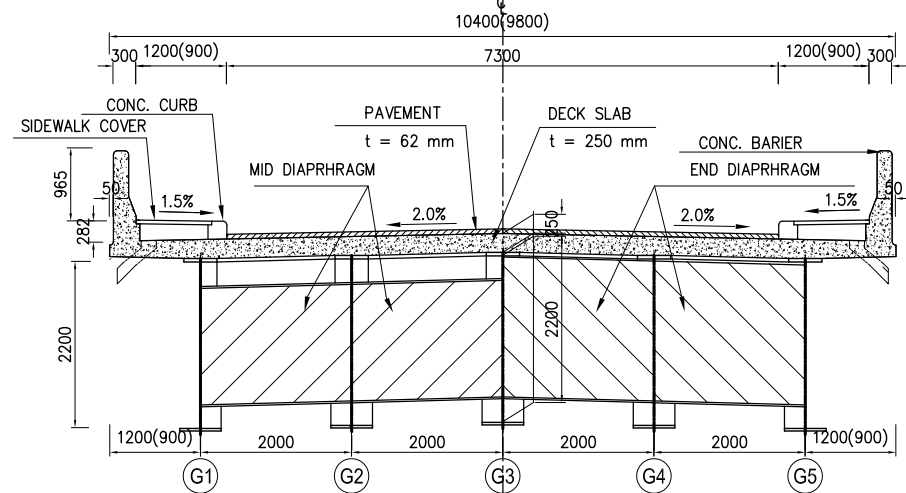
SUB STRUCTURE
SCALE 1 : 100



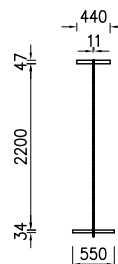
PLAN
SCALE 1 : 100



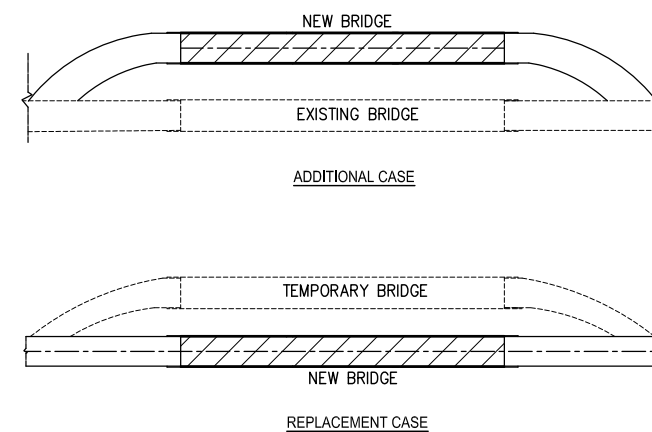
SUPER STRUCTURE
SCALE 1 : 50



STEEL - I GIRDER SECTION
SCALE 1 : 50



KEY PLAN



Note:
The numerical value in parentheses shows Zilla Road.

No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	GV-9

General View of Steel-I Girder

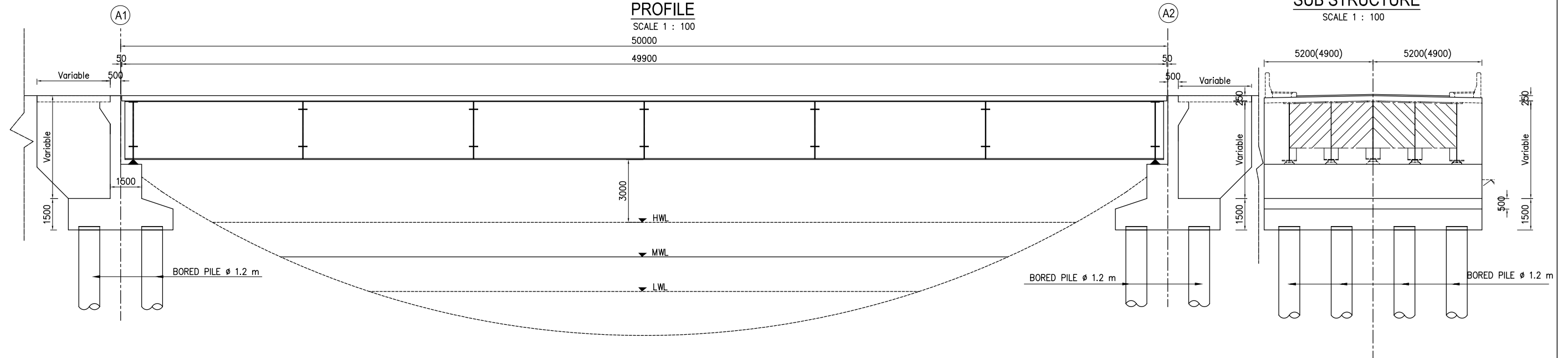
Type-2:L=50m, W=10.4m (W=9.8m)

PROFILE

SCALE 1 : 100
50000
49900

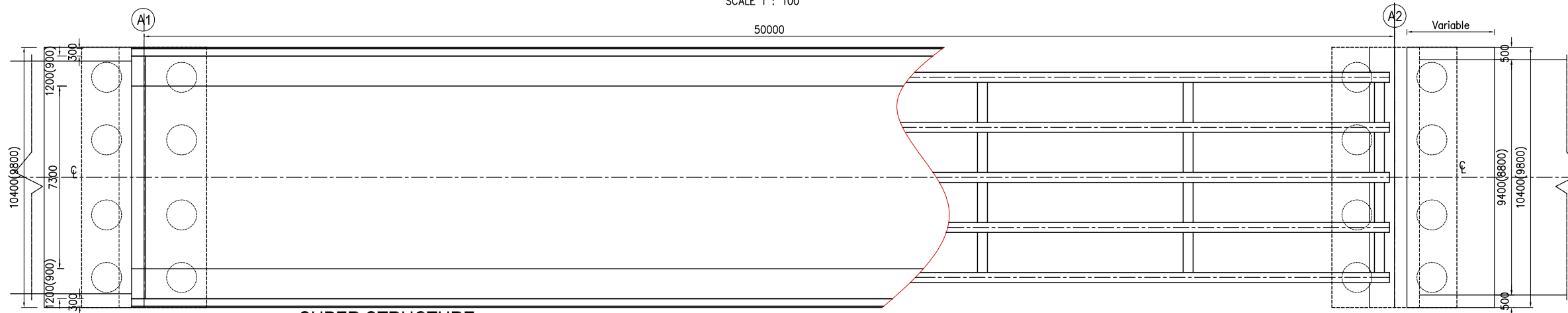
SUB STRUCTURE

SCALE 1 : 100



PLAN

SCALE 1 : 100
50000



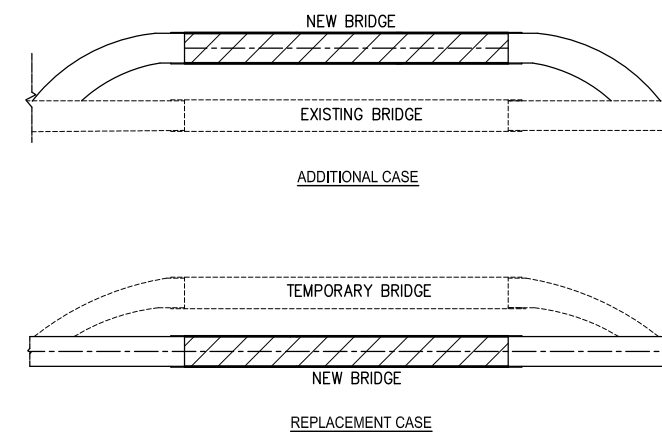
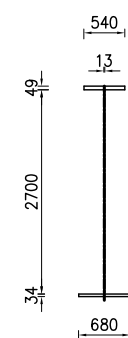
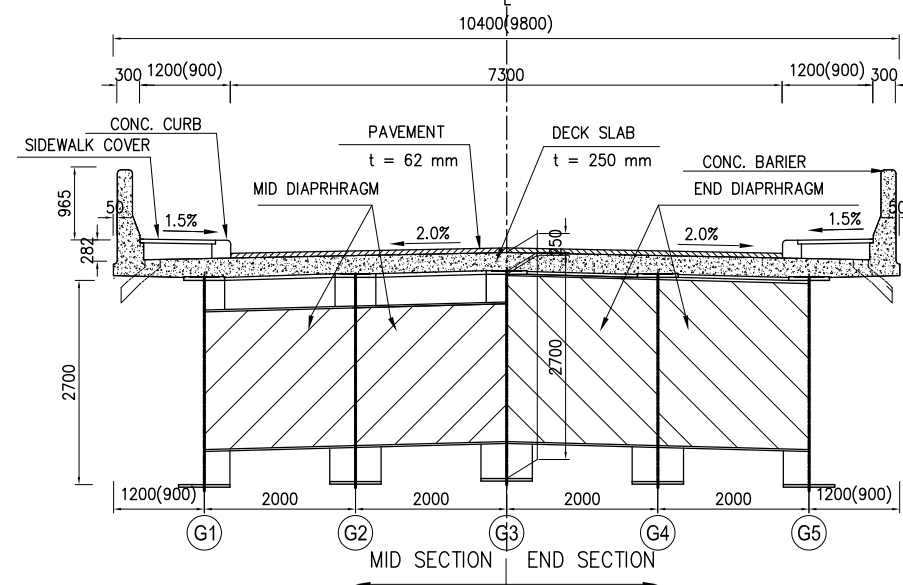
SUPER STRUCTURE

SCALE 1 : 50

STEEL - I GIRDER SECTION

SCALE 1 : 50

KEY PLAN



Note:

The numerical value in parentheses shows Zilla Road.

General View of Steel-I Girder

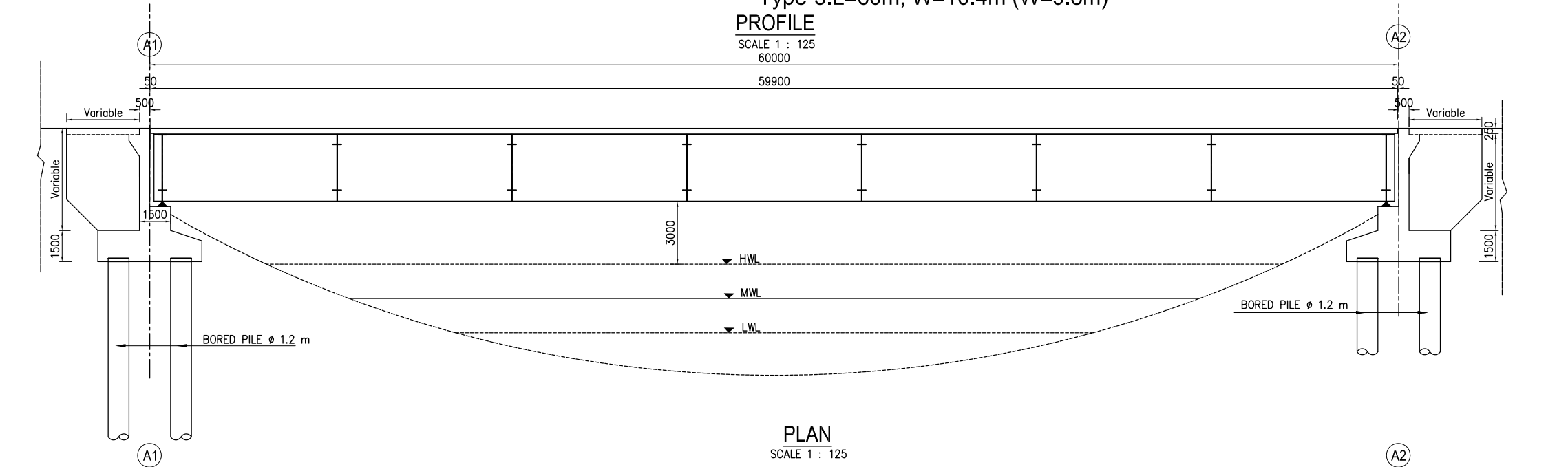
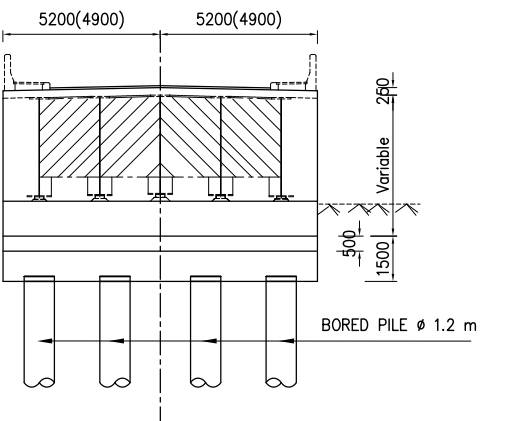
Type-3:L=60m, W=10.4m (W=9.8m)

PROFILE

SCALE 1 : 125
60000

SUB STRUCTURE

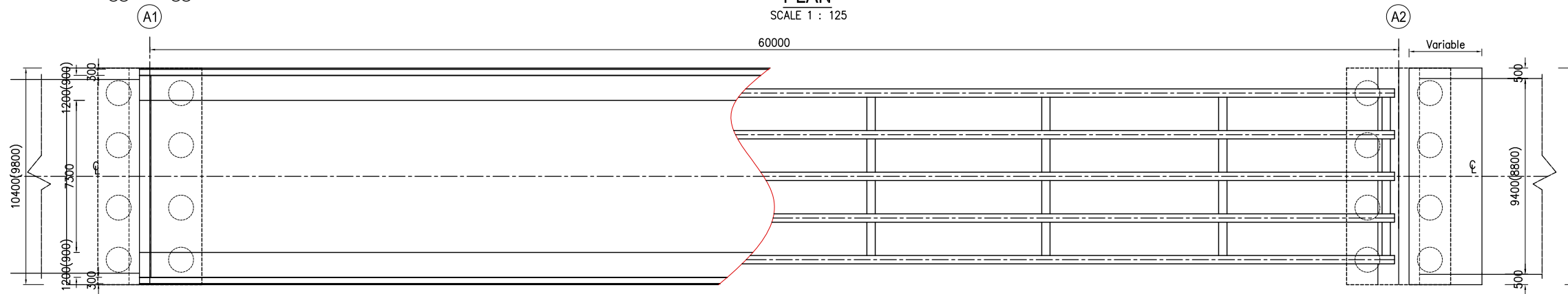
SCALE 1 : 125



PLAN

SCALE 1 : 125

60000



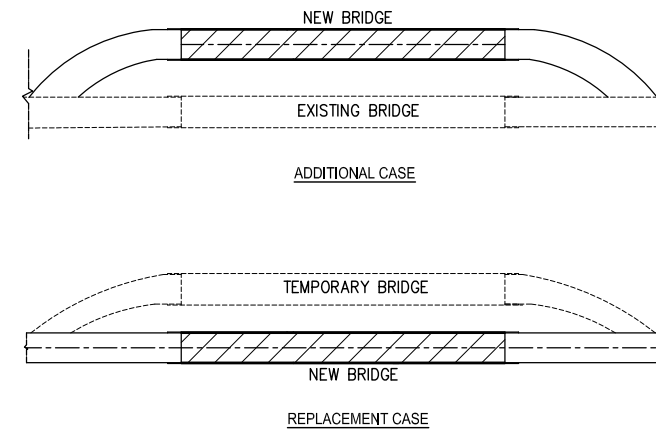
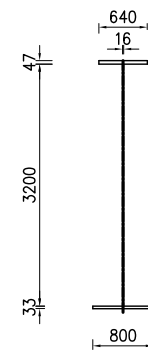
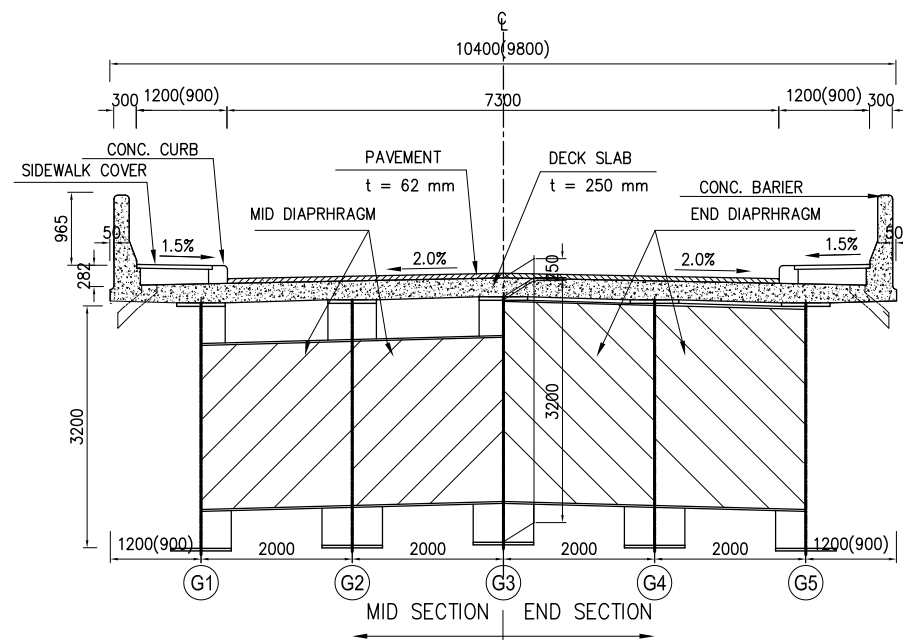
SUPER STRUCTURE

SCALE 1 : 50

STEEL - I GIRDER SECTION

SCALE 1 : 50

KEY PLAN



Note:
The numerical value in parentheses shows Zilla Road.

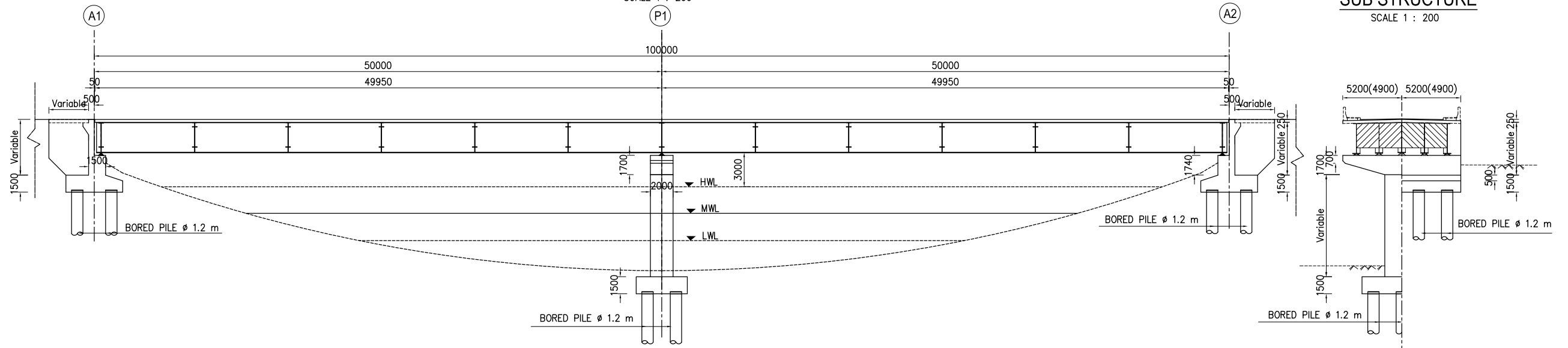
			<p>PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT</p>		DESIGNED BY:
			<p>General View of Steel-I Girder Type-3:L=60m, W=10.4m (W=9.8m)</p>		CHECKED BY:
<p>REVISION</p>			DATE	APPROVED BY:	DWG. NO. GV-11

General View of Steel-I Girder

Type-5:L=100m (2@50m), W=10.4m (W=9.8m)

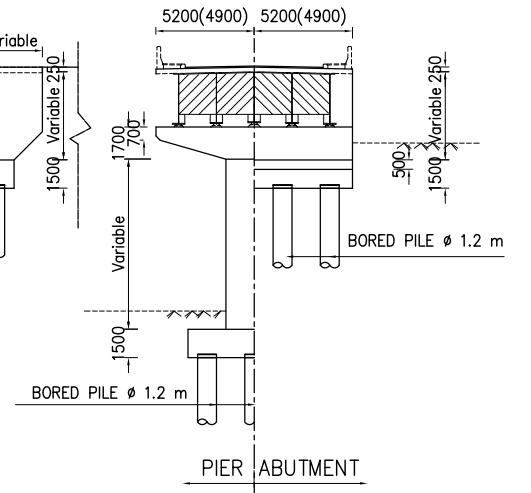
PROFILE

SCALE 1 : 200



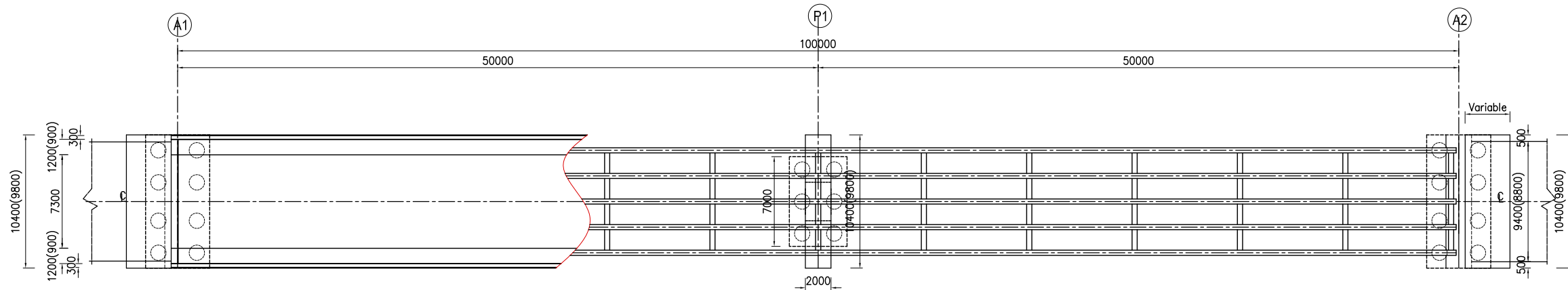
SUB STRUCTURE

SCALE 1 : 200



PLAN

SCALE 1 : 200



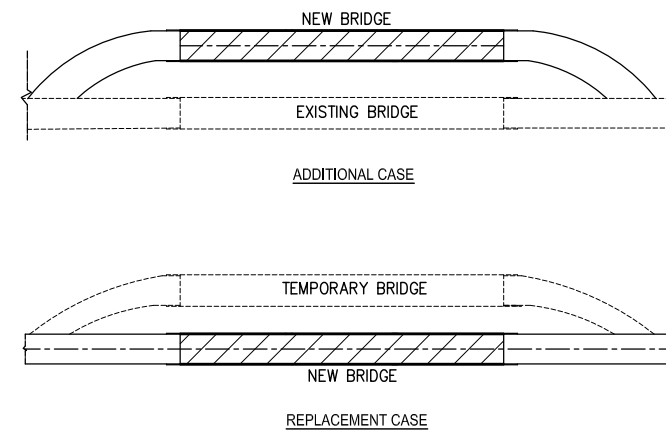
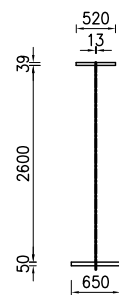
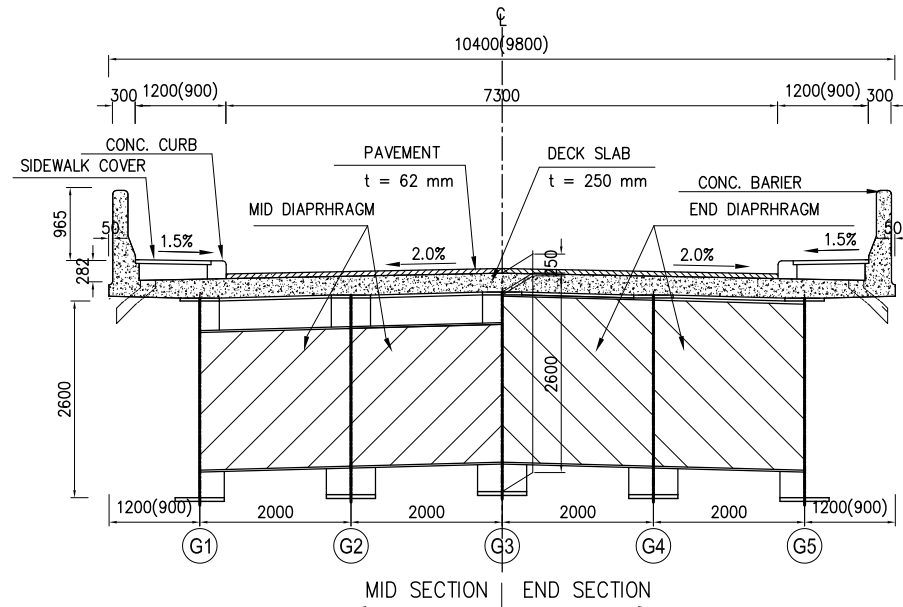
SUPER STRUCTURE

SCALE 1 : 50

STEEL - I GIRDER SECTION

SCALE 1 : 50

KEY PLAN

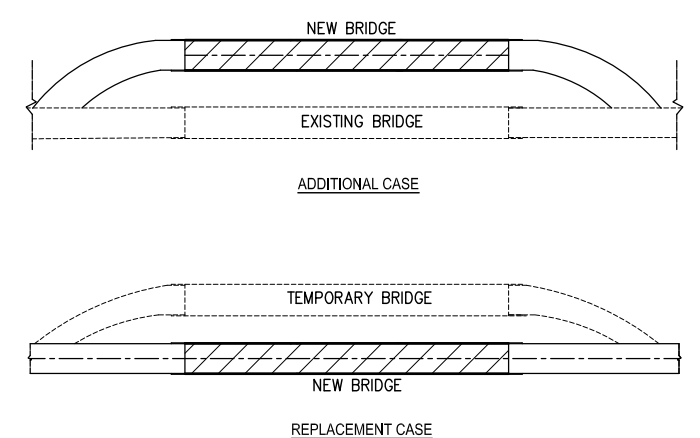
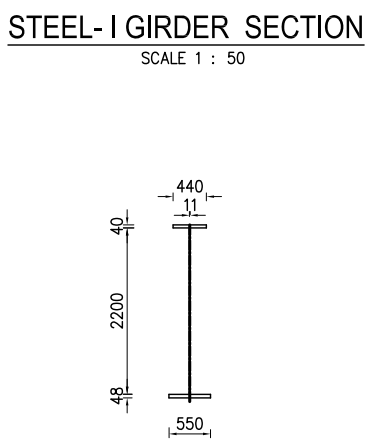
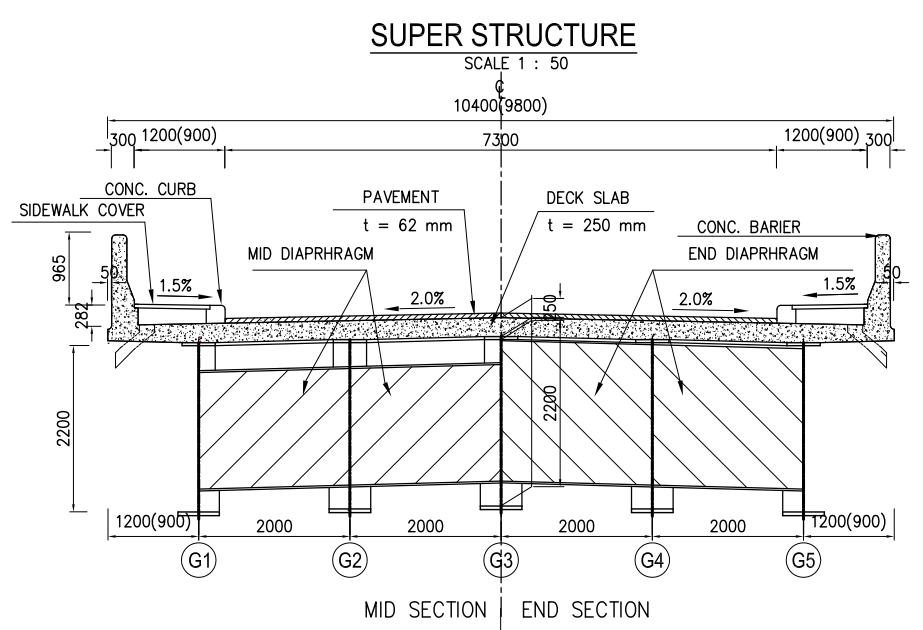
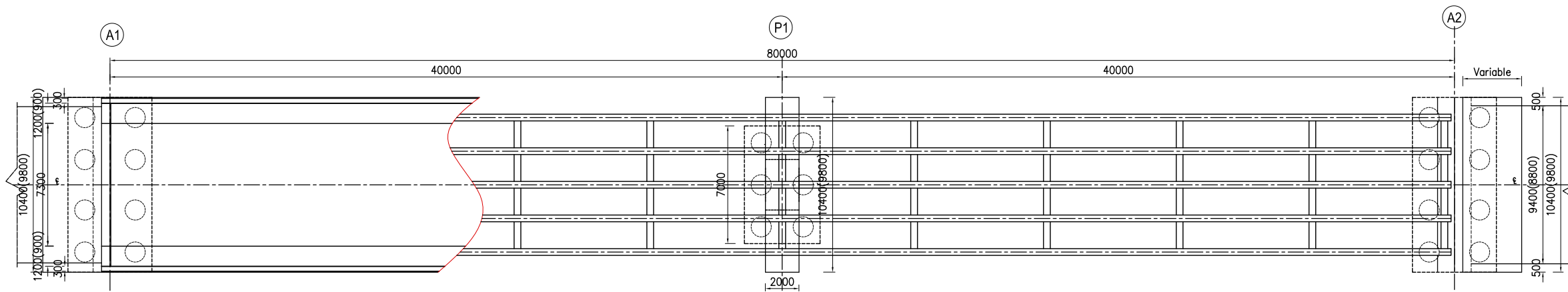
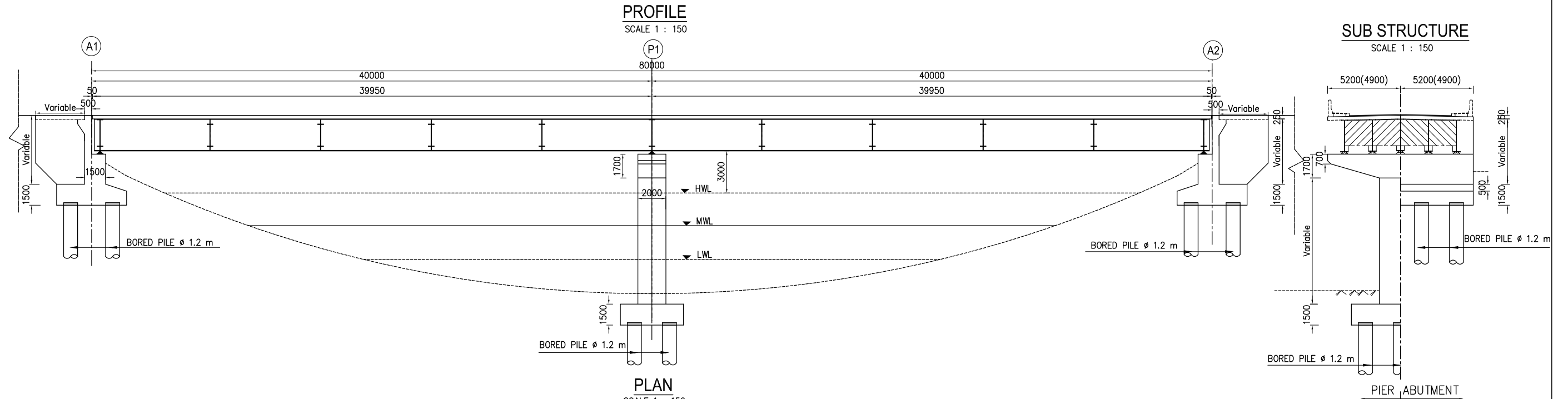


Note:

The numerical value in parentheses shows Zilla Road.

General View of Steel-I Girder

Type-4:L=80m (2@40m), W=10.4m (W=9.8m)



Note:
The numerical value in parentheses shows Zilla Road.

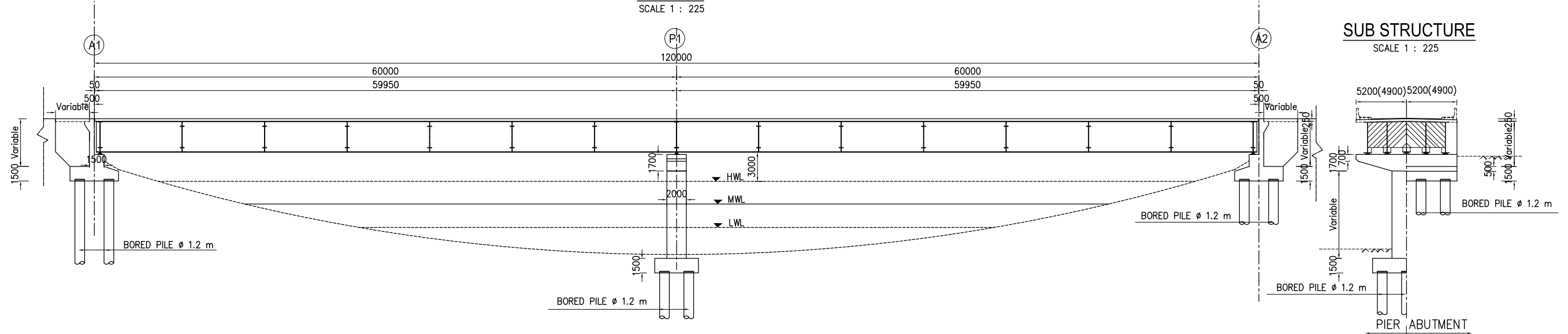
MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No. _____ REVISION _____ DATE _____	PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT General View of Steel-I Girder Type-4:L=80m (2@40m), W=10.4m (W=9.8m)	DESIGNED BY:	
				CHECKED BY:	
				APPROVED BY:	
				DWG. NO.	GV-13

General View of Steel-I Girder

Type-6:L=120m (2@60m), W=10.4m (W=9.8m)

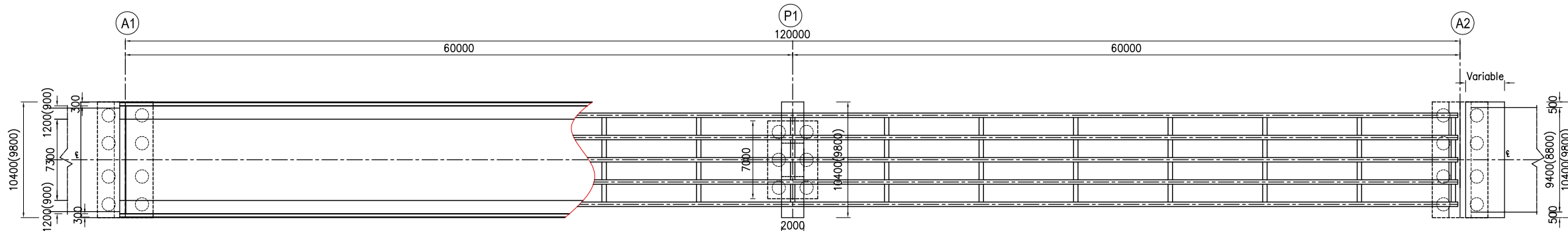
PROFILE

SCALE 1 : 225



PLAN

SCALE 1 : 225



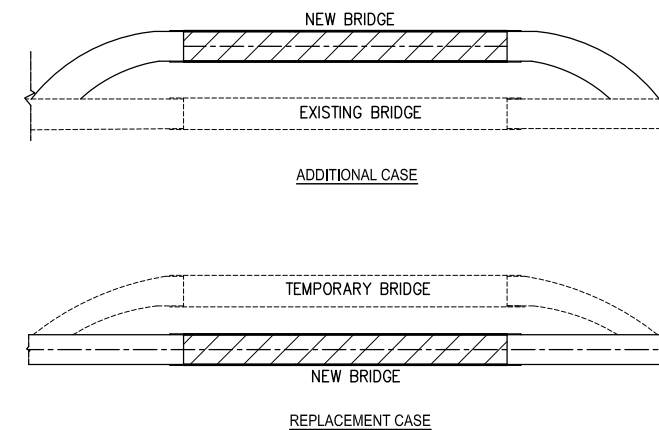
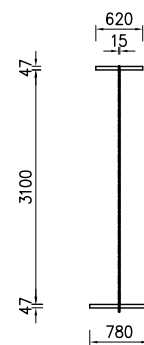
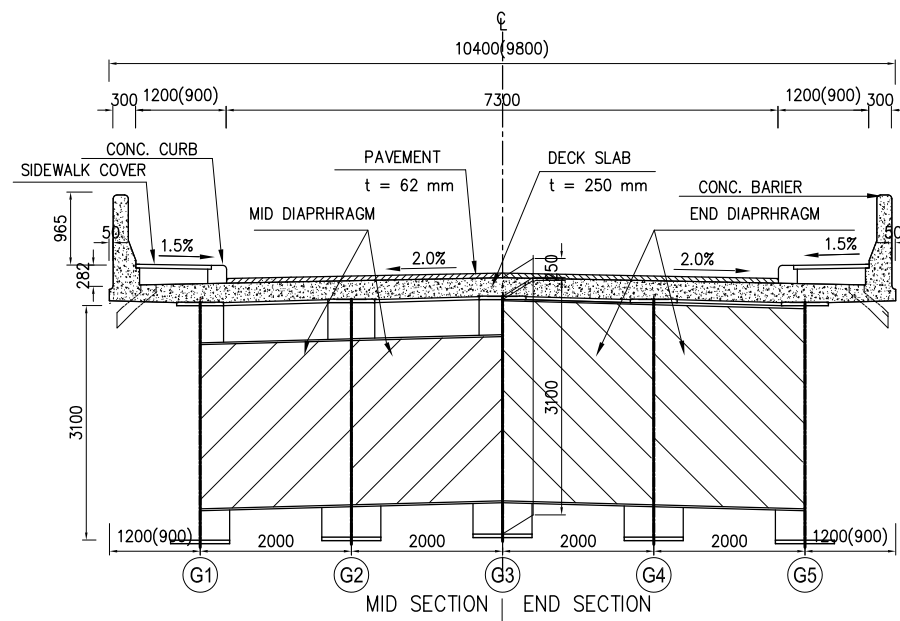
SUPER STRUCTURE

SCALE 1 : 50

STEEL - I GIRDER SECTION

SCALE 1 : 50

KEY PLAN



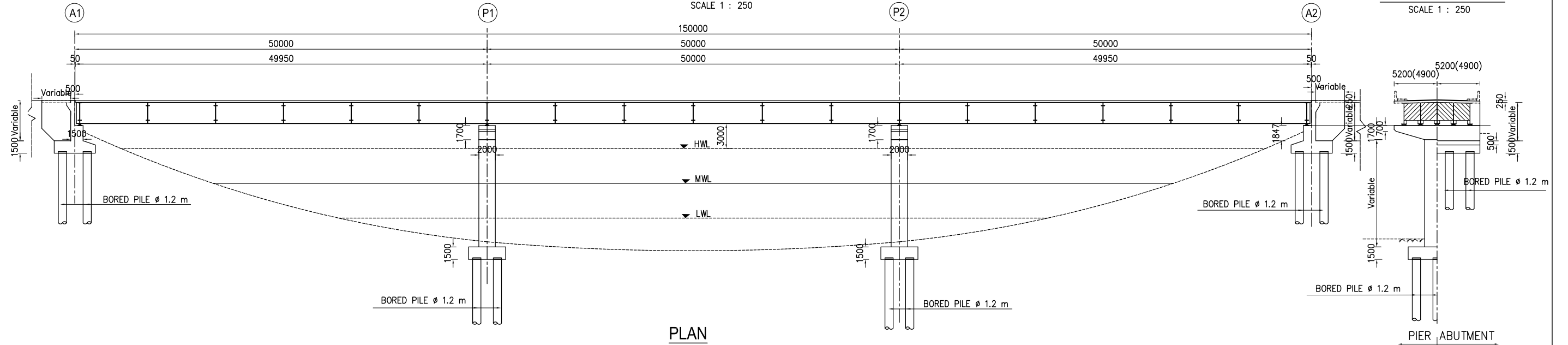
Note:
The numerical value in parentheses shows Zilla Road.

			PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT		DESIGNED BY:	
			General View of Steel-I Girder Type-6:L=120m (2@60m), W=10.4m (W=9.8m)		CHECKED BY:	
No. _____ REVISION _____ DATE _____			DWG. NO. GV-14		APPROVED BY:	

General View of Steel-I Girder

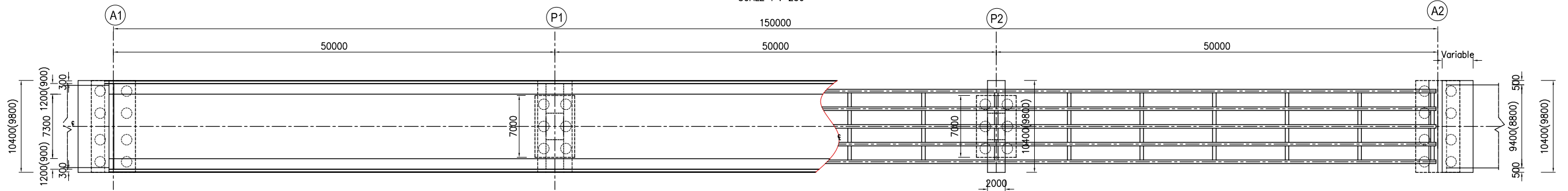
Type-7:L=150m (3@50m), W=10.4m (W=9.8m)

PROFILE
SCALE 1 : 250



SUB STRUCTURE
SCALE 1 : 250

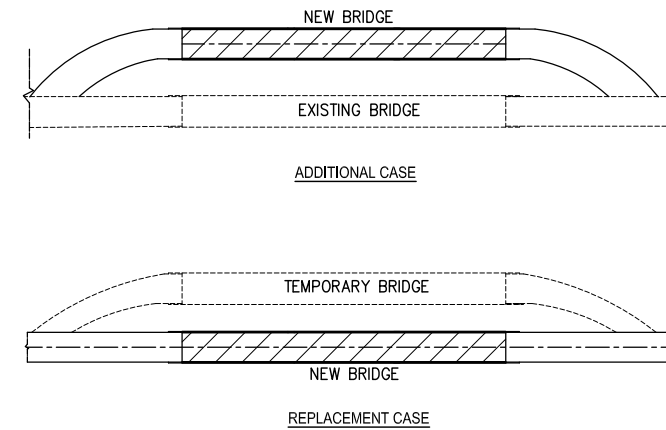
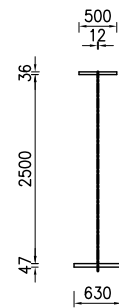
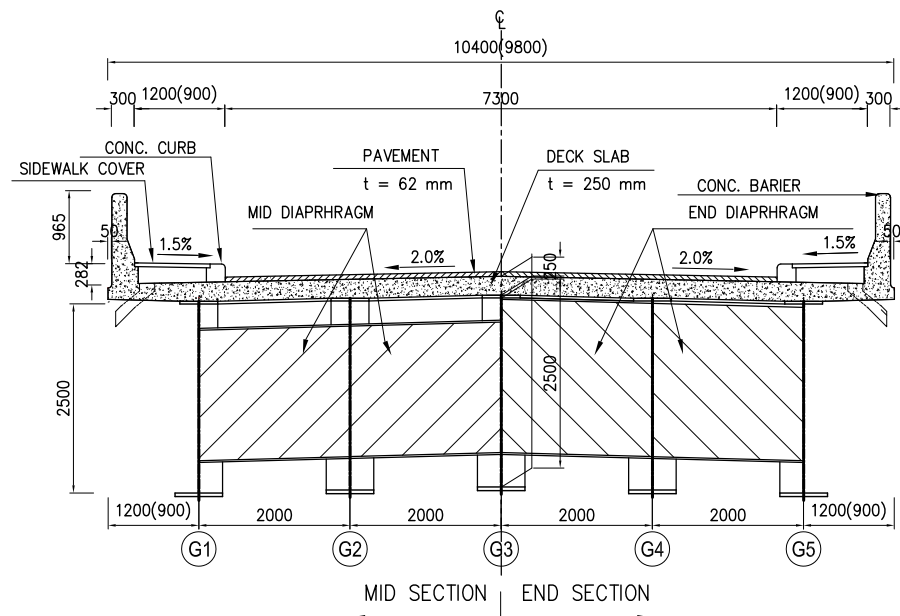
PLAN
SCALE 1 : 250



SUPER STRUCTURE
SCALE 1 : 50

STEEL - I GIRDER SECTION
SCALE 1 : 50

KEY PLAN



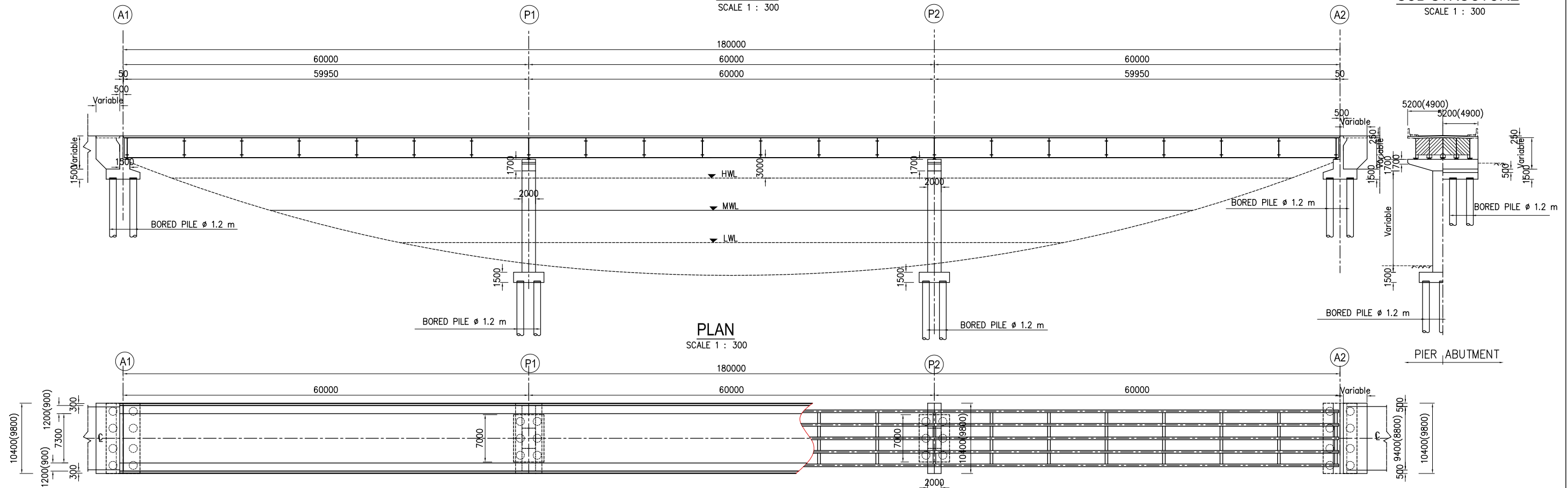
Note:
The numerical value in parentheses shows Zilla Road.

General View of Steel-I Girder

Type-8:L=180m (3@60m), W=10.4m (W=9.8m)

PROFILE
SCALE 1 : 300

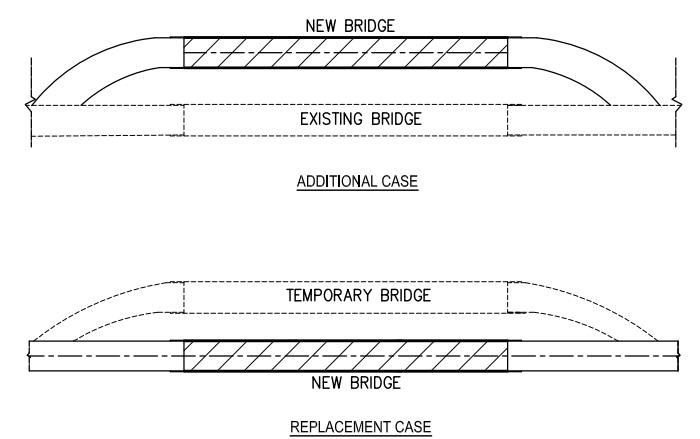
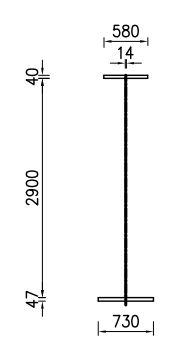
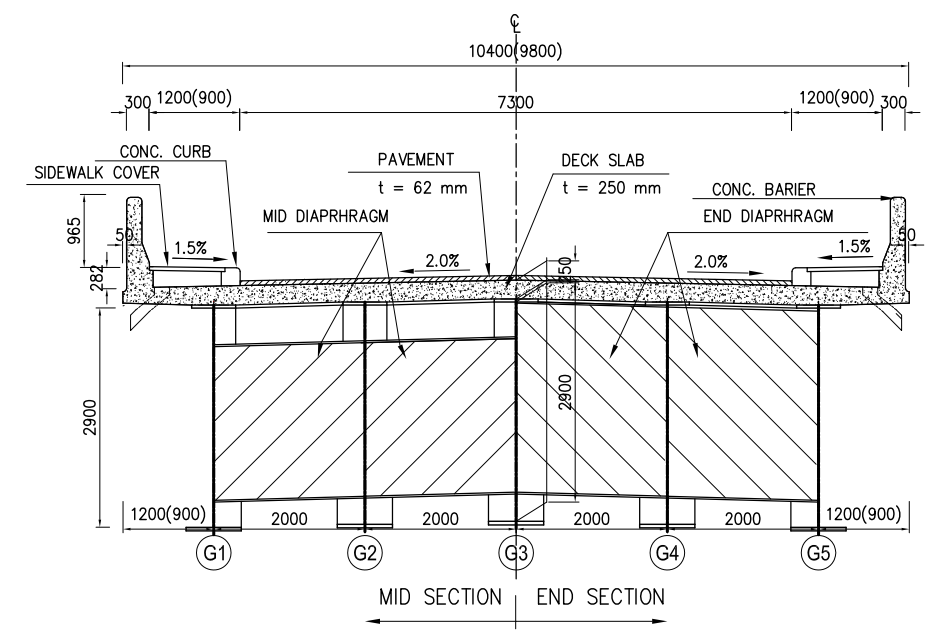
SUB STRUCTURE
SCALE 1 : 300



SUPER STRUCTURE
SCALE 1 : 50

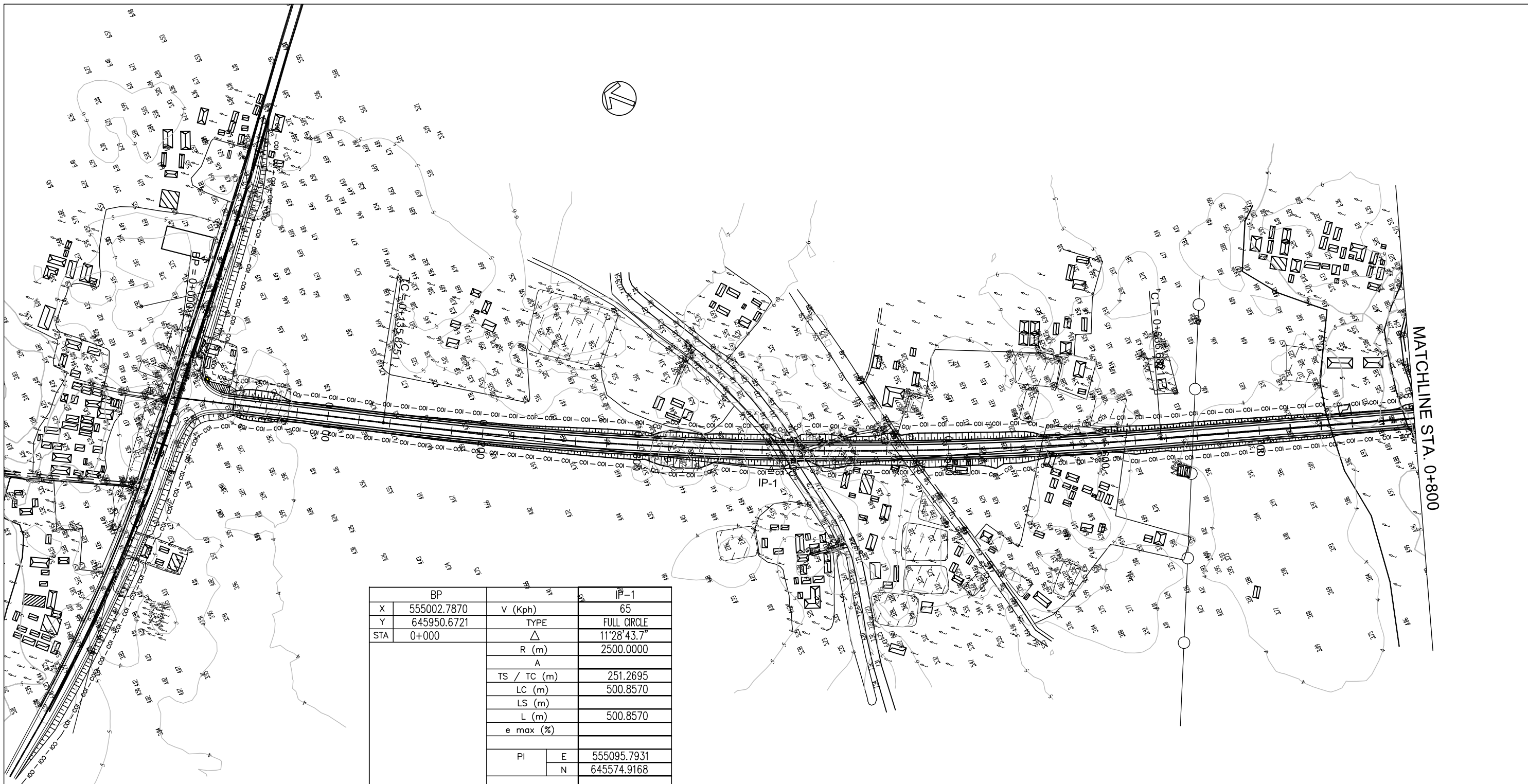
STEEL - I GIRDER SECTION
SCALE 1 : 50

KEY PLAN

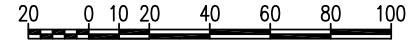


Note:
The numerical value in parentheses shows Zilla Road.

D. EZ Bridge and Approach Road

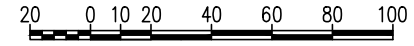






BP		IP-1	
X	555002.7870	V (Kph)	65
Y	645950.6721	TYPE	FULL CIRCLE
STA	0+000	Δ	11°28'43.7"
		R (m)	2500.0000
		A	
		TS / TC (m)	251.2695
		LC (m)	500.8570
		LS (m)	
		L (m)	500.8570
		e max (%)	
		PI	
		E	555095.7931
		N	645574.9168
		TS/SS	
		E	
		N	
		STA	
		SC/TC	
		E	555035.4213
		N	645818.8258
		STA	0+135.8251
		CS/CT	
		E	645347.9007
		N	555203.4966
		STA	0+636.6821
		ST/SS	
		E	
		N	
		STA	
		166°05'51.6"	AZIMUTH
			154°37'08.0"





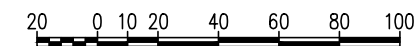
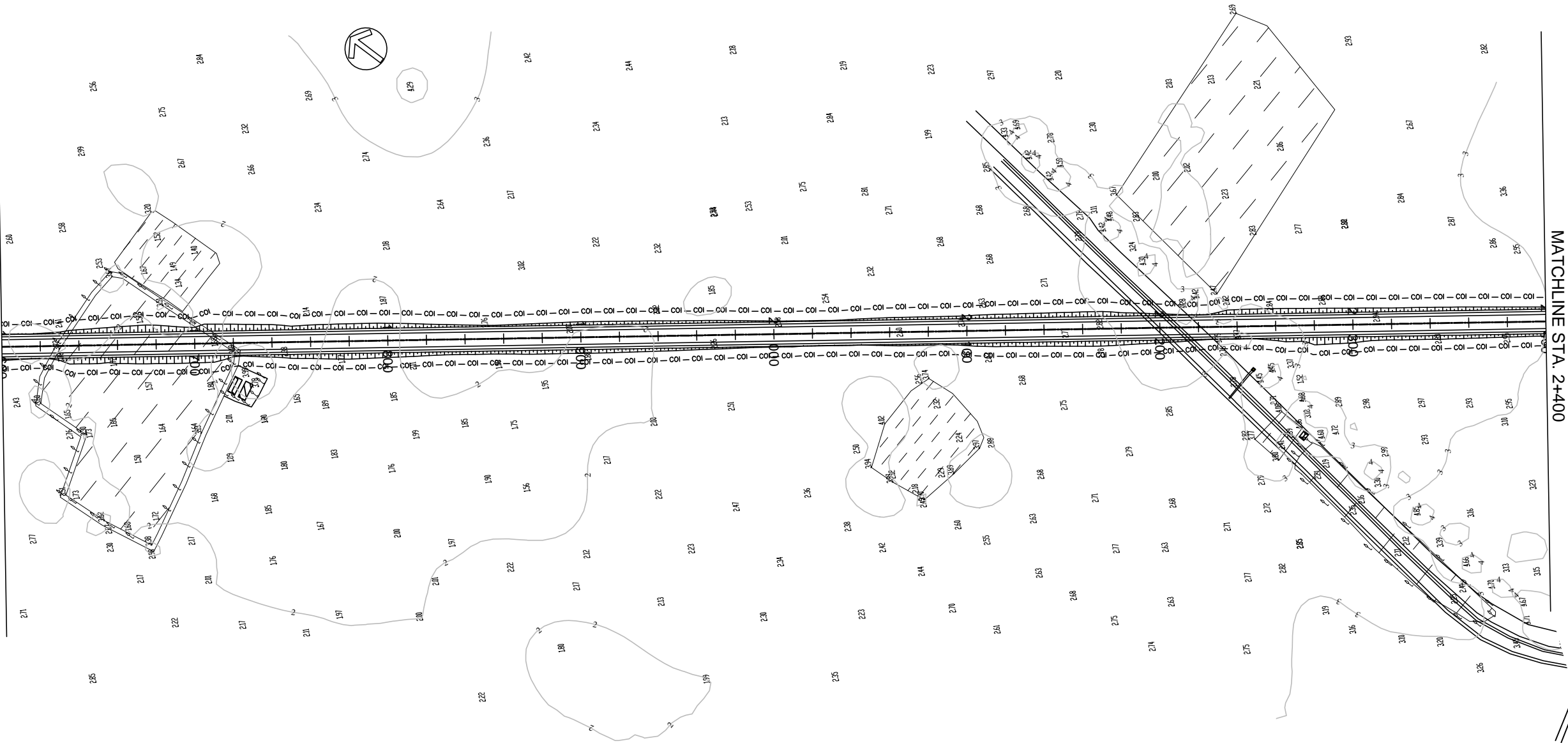
V (Kph)		65
TYPE		FULL CIRCLE
△		12°39'32.3"
R (m)		1500.0000
A		
TS / TC (m)		166.3830
LC (m)		331.4111
LS (m)		
L (m)		331.4111
e max (%)		
PI	E	555482.5795
	N	644759.6534
TS/SS	E	
	N	
	STA	
SC/TC /CC	E	555411.2615
	N	644909.9765
	STA	1+121.3921
CS/CT /CC	E	644628.6135
	N	555585.1067
	STA	1+452.8033
ST/SS	E	
	N	
	STA	
AZIMUTH		141°57'35.7"






 MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)	 JAPAN INTERNATIONAL COOPERATION AGENCY			PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT	DESIGNED BY:	
					PL AN (2) 0+800 - 1+600	CHECKED BY:
 ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL		No	REVISION	DATE	APPROVED BY:	
					DWG. NO.	EZ-2

MATCHLINE STA. 1+600

MATCHLINE STA. 2+400




MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB)
PEOPLE'S REPUBLIC OF BANGLADESH
ROADS & HIGHWAYS DEPARTMENT (RHD)


JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT

 PLAN (3)
 1+600 - 2+400

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	EZ-3



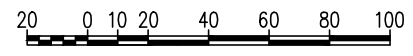
V (Kph)	IP-3		65
TYPE	SPIRAL-CIRCLE-SPIRAL		
Δ	69°46'43.3"		
R (m)	250.0000		
A	150.0000	150.0000	
TS / TC (m)	220.2251	220.2251	
LC (m)	214.4671		
LS (m)	90.0000	90.0000	
L (m)	394.4670		
e max (%)			
PI	E	556403.3442	
	N	643582.8264	
TS/SS	E	556267.6387	
	N	643756.2712	
	STA	2+560.4273	
SC/TC /CC	E	556327.1615	
	N	643688.9382	
	STA	2+650.4273	
CS/CT /CC	E	556525.9509	
	N	643627.8944	
	STA	2+864.8943	
ST/SS	E	556613.0050	
	N	643650.2170	
	STA	2+954.8943	
AZIMUTH	72°10'52.3"		

No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	EZ-4



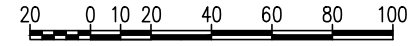
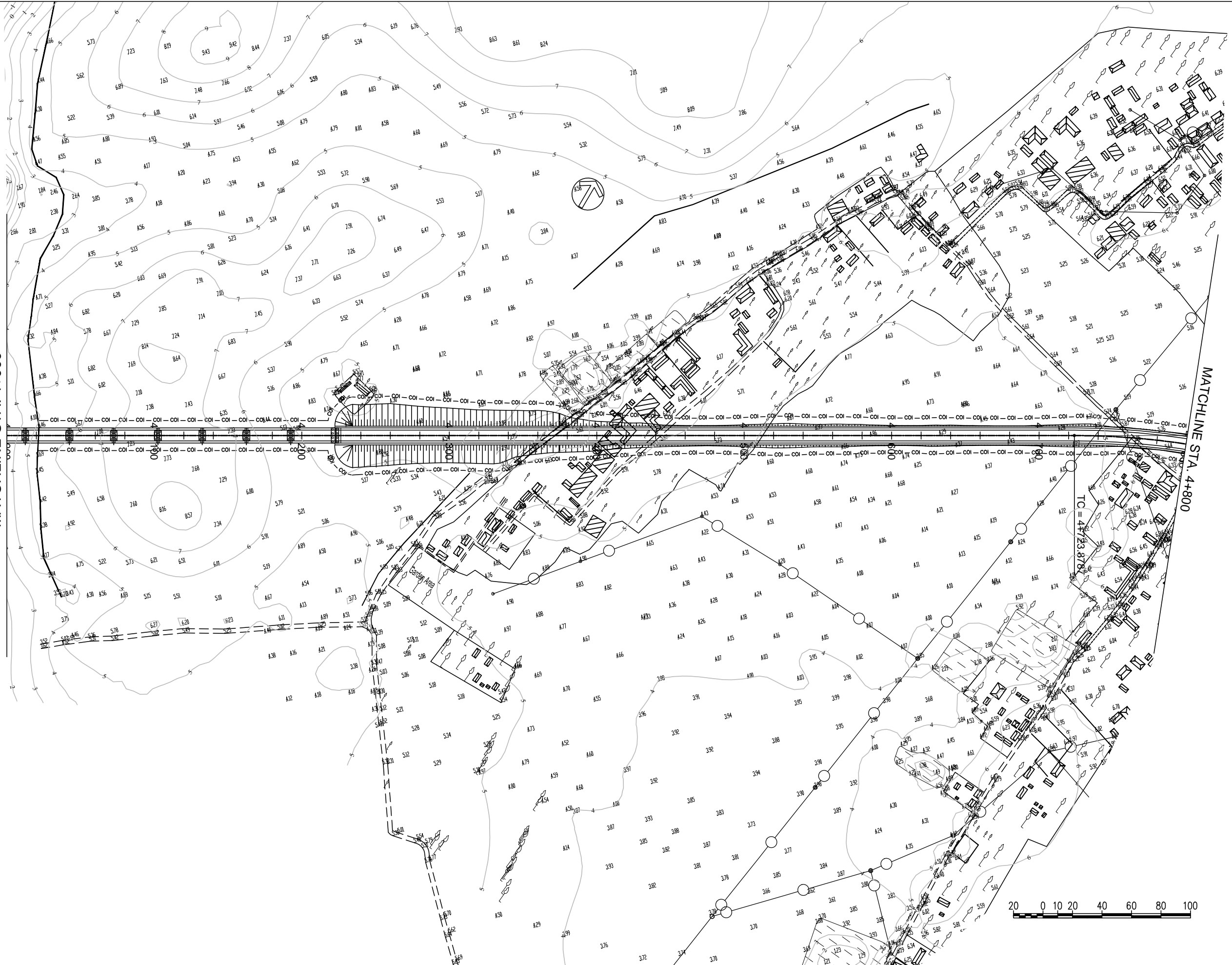
V (Kph)	IP-4		IP-5	
TYPE	SPIRAL-CIRCLE-SPIRAL		SPIRAL-CIRCLE-SPIRAL	
Δ	68°47'55.0"		81°36'45.4"	
R (m)	250.0000		250.0000	
A	100.0000	100.0000	100.0000	100.0000
TS / TC (m)	191.3524	191.3524	236.0681	236.0681
LC (m)	260.1905		316.1022	
LS (m)	40.0000	40.0000	40.0000	40.0000
L (m)	340.1910		396.1020	
e max (%)				
PI	E	557010.1692	557309.1360	
	N	643777.8762	643408.9490	
TS/SS	E	556827.9962	557160.5088	
	N	643719.3209	643592.3561	
	STA	3+180.7186	3+568.3448	
SC/TC /CC	E	556866.3793	557186.5048	
	N	643730.5384	643561.9703	
	STA	3+220.7186	3+608.3448	
CS/CT /CC	E	557104.6476	557477.3216	
	N	643659.5958	643509.7829	
	STA	3+480.9091	3+924.4470	
ST/SS	E	557130.6436	557512.2609	
	N	643629.2100	643529.2338	
	STA	3+520.9091	3+964.4470	
AZIMUTH	140°58'47.3"		59°22'01.9"	







MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)	JAPAN INTERNATIONAL COOPERATION AGENCY	ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT	DESIGNED BY:
							CHECKED BY:
						PLAN (5) 3+200 - 4+000	APPROVED BY:
							DWG. NO. EZ-5

MATCHLINE STA. 4+000

MATCHLINE STA. 4+800



 **MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB)**
PEOPLE'S REPUBLIC OF BANGLADESH
ROADS & HIGHWAYS DEPARTMENT (RHD)

 **JAPAN INTERNATIONAL COOPERATION AGENCY**
 **ORIENTAL CONSULTANTS GLOBAL CO., LTD.**
KATAHIRA & ENGINEERS INTERNATIONAL 

No	REVISION	DATE

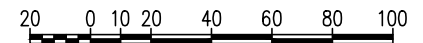
PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT


PLAN (6)
 4+000 - 4+800

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	EZ-6



IP-6			EP
65	v (Kph)	X	558455.1066
FULL CIRCLE	TYPE	Y	644005.5076
18'14'15.9"	△	STA	5+028.3716
500.0000	R (m)		
	A		
80.2560	TS / TC (m)		
159.1545	LC (m)		
	LS (m)		
159.1545	L (m)		
	e max (%)		
558234.7706	E	PI	
643957.0835	N		
	E	TS/SS	
	N		
	STA		
558165.7143	E	SC/TC	
643916.1903	N	/CC	
4+723.8787	STA		
643974.3105	E	CS/CT	
558313.1559	N	/CC	
4+883.0332	STA		
	E	ST/SS	
	N		
	STA		
77°36'17.8"		AZIMUTH	



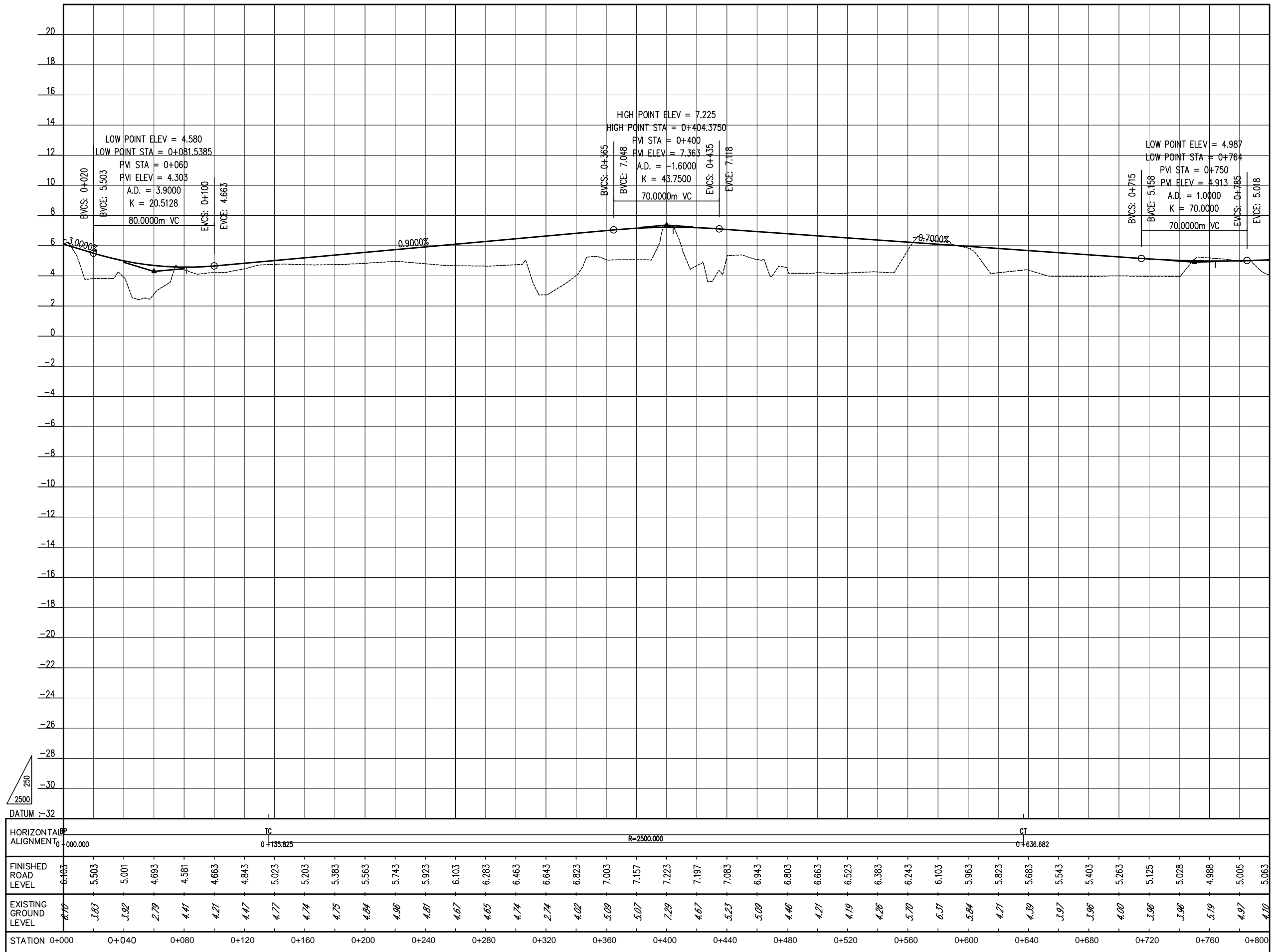

MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB)
 PEOPLE'S REPUBLIC OF BANGLADESH
 ROADS & HIGHWAYS DEPARTMENT (RHD)

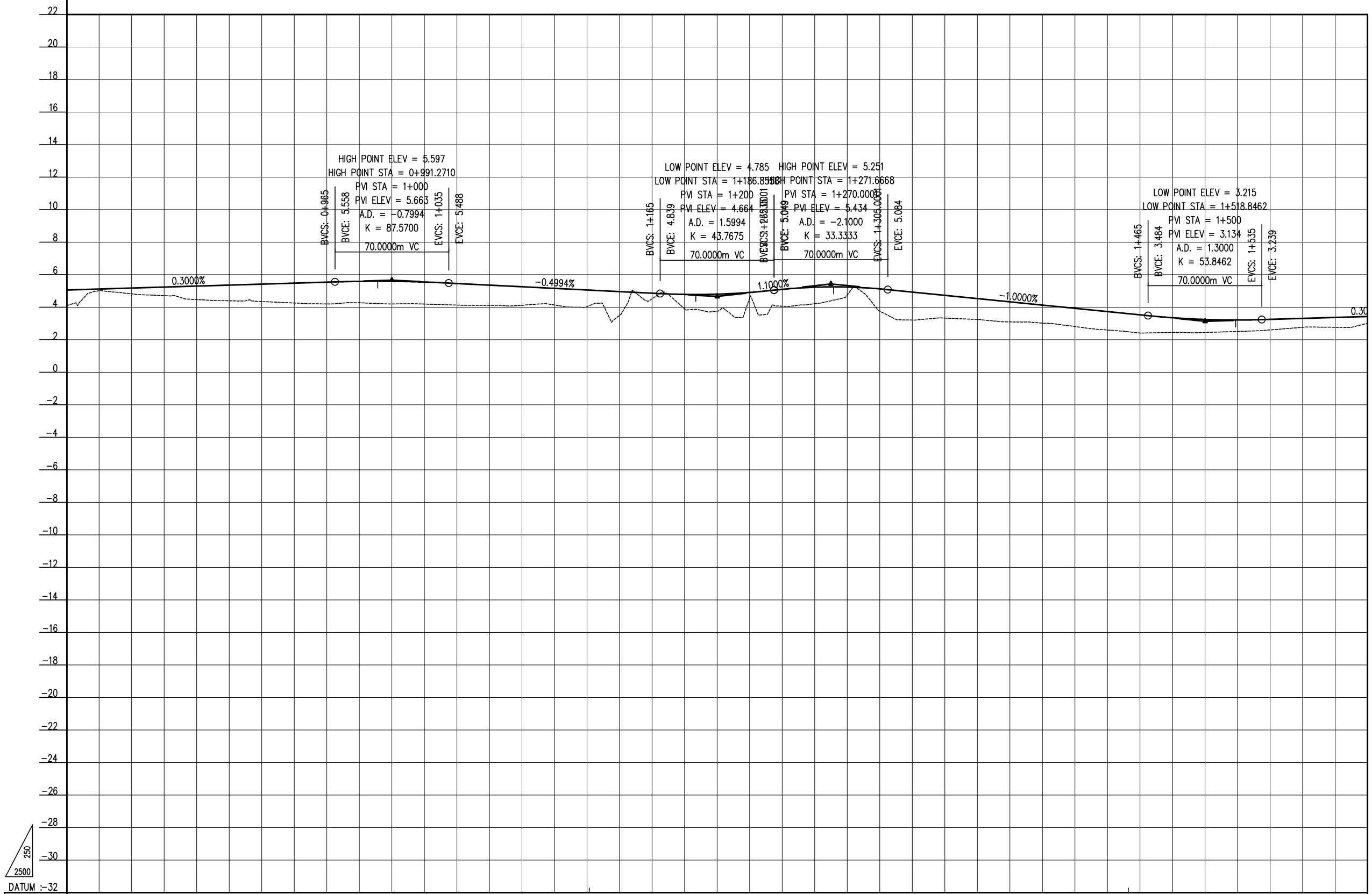

JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT
 DESIGNED BY:
 CHECKED BY:
 APPROVED BY:
 DWG. NO. EZ-7
 PLAN (7)
 4+800 - 5+028

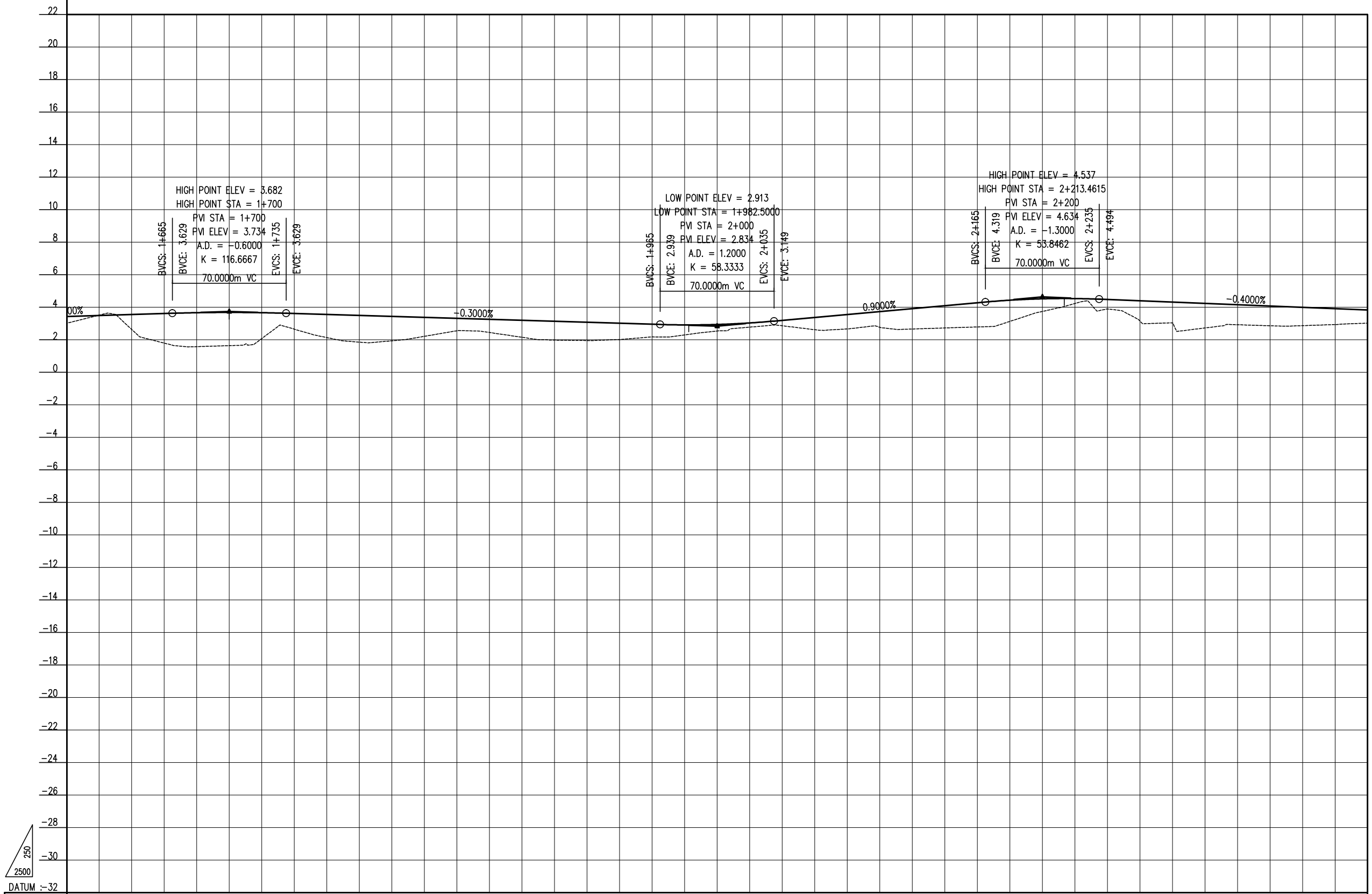




HORIZONTAL ALIGNMENT																																									
FINISHED ROAD LEVEL	5.063	5.123	5.183	5.243	5.303	5.363	5.423	5.483	5.543	5.590	5.593	5.550	5.463	5.363	5.264	5.164	5.064	4.964	4.864	4.790	4.804	4.910	5.101	5.231	5.241	5.131	4.934	4.734	4.534	4.334	4.134	3.934	3.734	3.534	3.355	3.248	3.215	3.254	3.314	3.374	3.434
EXISTING GROUND LEVEL	4.10	5.01	4.82	4.71	4.47	4.40	4.35	4.26	4.20	4.28	4.20	4.20	4.13	4.12	4.12	4.14	4.04	3.50	4.32	3.90	3.76	4.58	4.07	4.22	4.25	3.75	3.21	3.33	3.25	3.10	3.02	2.81	2.60	2.41	2.44	2.45	2.51	2.60	2.77	2.77	3.02
STATION	0+800	0+840	0+880	0+920	0+960	1+000	1+040	1+080	1+120	1+160	1+200	1+240	1+280	1+320	1+360	1+400	1+440	1+480	1+520	1+560	1+600																				

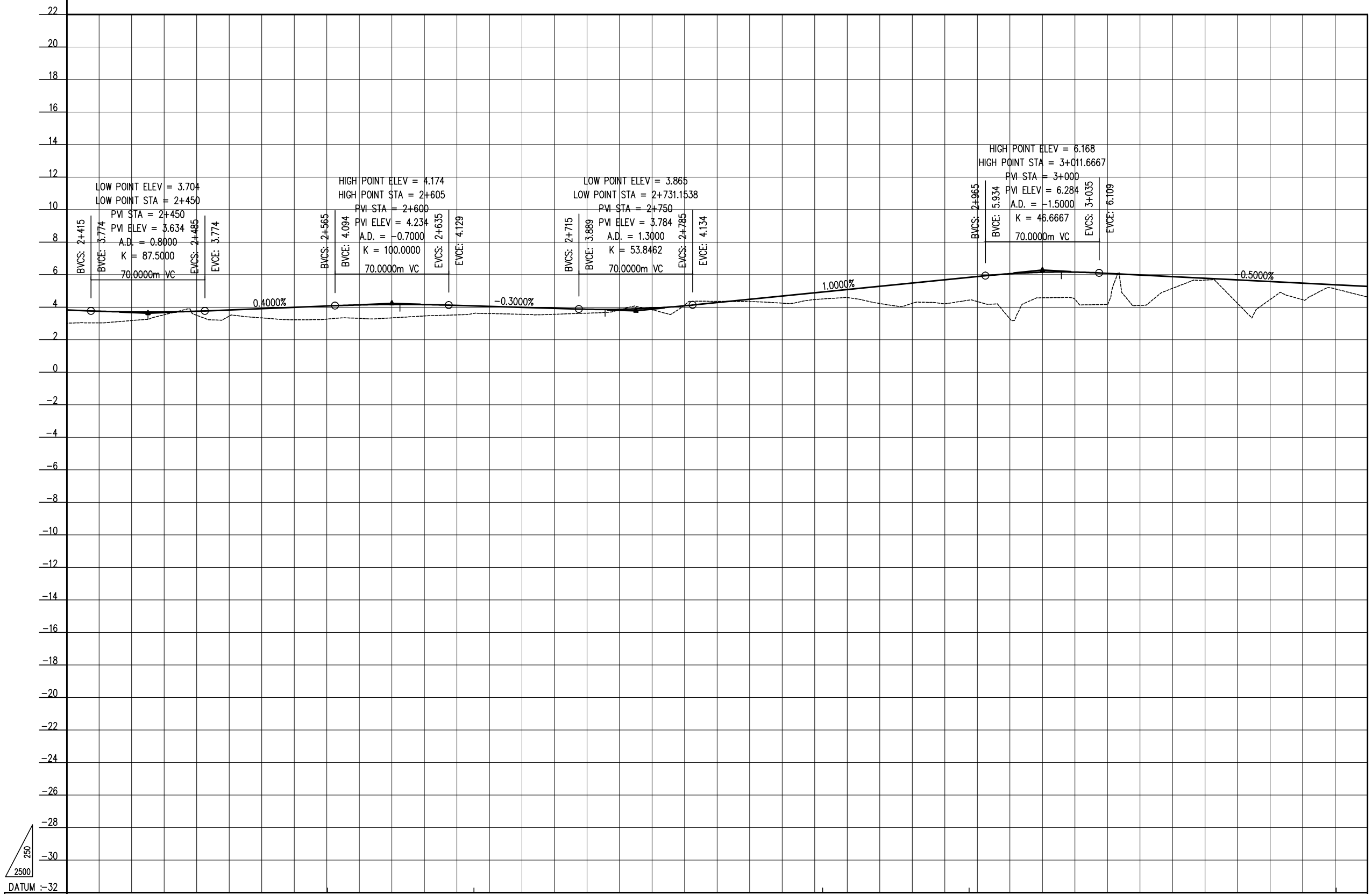
No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	EZ-9



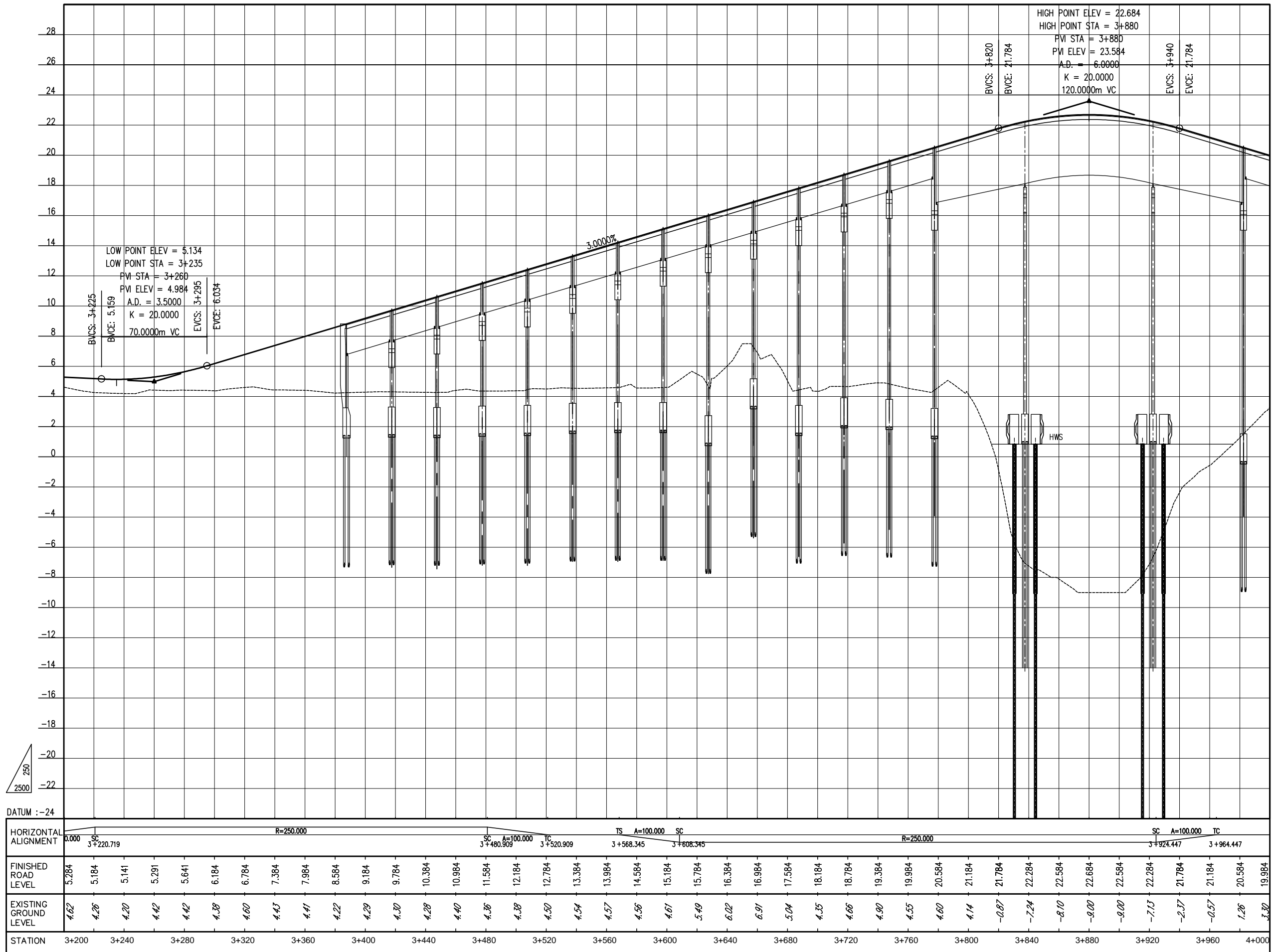
HORIZONTAL ALIGNMENT																																									
FINISHED ROAD LEVEL	3.434	3.494	3.554	3.614	3.665	3.682	3.665	3.614	3.554	3.494	3.434	3.374	3.314	3.254	3.194	3.134	3.074	3.014	2.954	2.914	2.939	3.034	3.194	3.374	3.554	3.734	3.914	4.094	4.274	4.433	4.521	4.533	4.474	4.394	4.314	4.234	4.154	4.074	3.994	3.914	3.834
EXISTING GROUND LEVEL	3.02	3.51	2.63	1.79	1.58	1.64	2.08	2.65	2.14	1.85	1.94	2.21	2.55	2.45	2.15	1.98	1.95	2.02	2.18	2.29	2.54	2.78	2.86	2.82	2.66	2.77	2.66	2.73	2.79	3.13	3.74	4.23	3.90	3.15	3.04	2.73	2.92	2.88	2.87	2.83	3.02
STATION	1+600	1+640	1+680	1+720	1+760	1+800	1+840	1+880	1+920	1+960	2+000	2+040	2+080	2+120	2+160	2+200	2+240	2+280	2+320	2+360	2+400																				

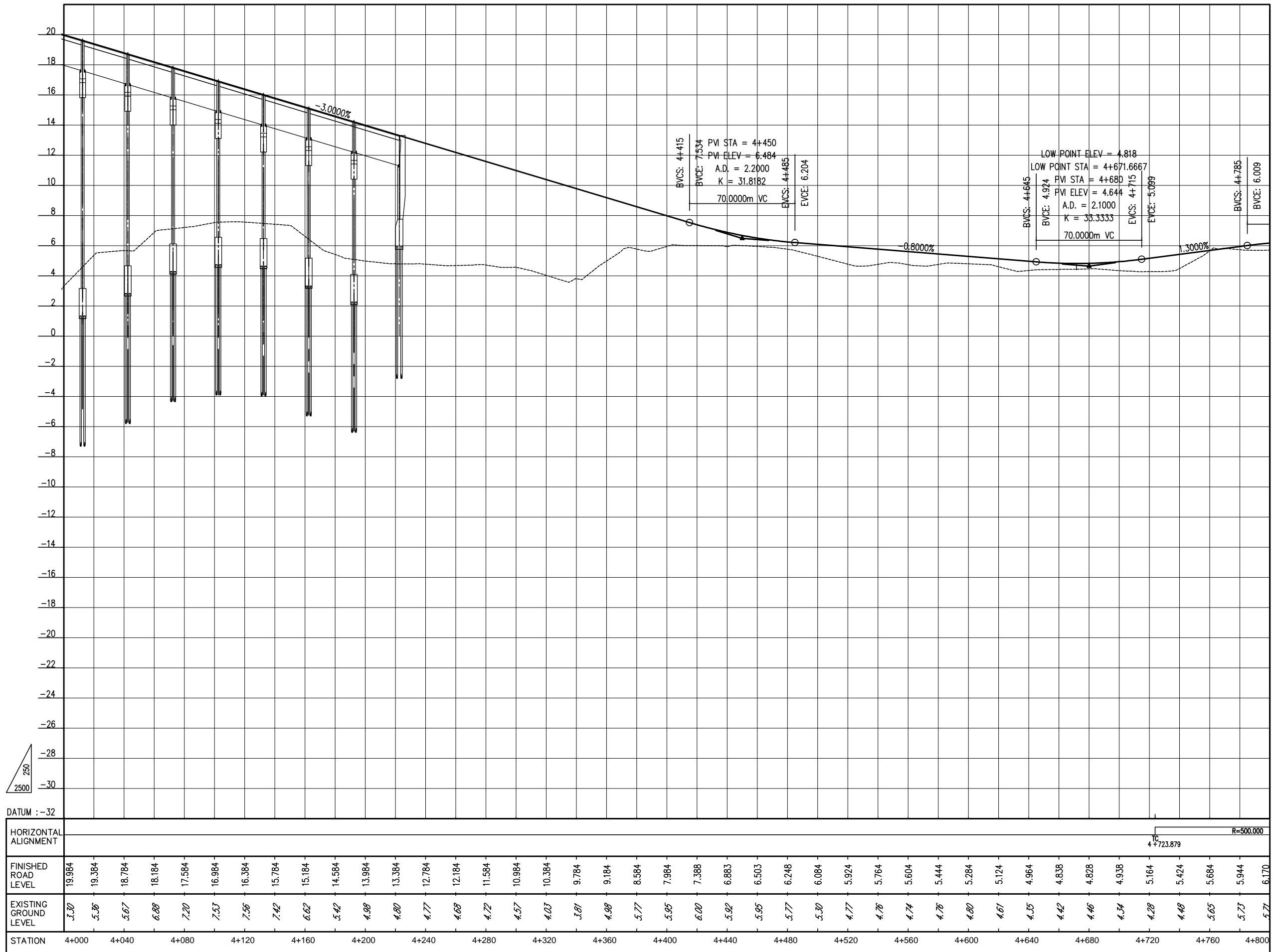
MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)	JAPAN INTERNATIONAL COOPERATION AGENCY	ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT		DESIGNED BY:
					CHECKED BY:
PROFILE (3) 1+600 - 2+400				APPROVED BY:	
				DWG. NO.	EZ-10



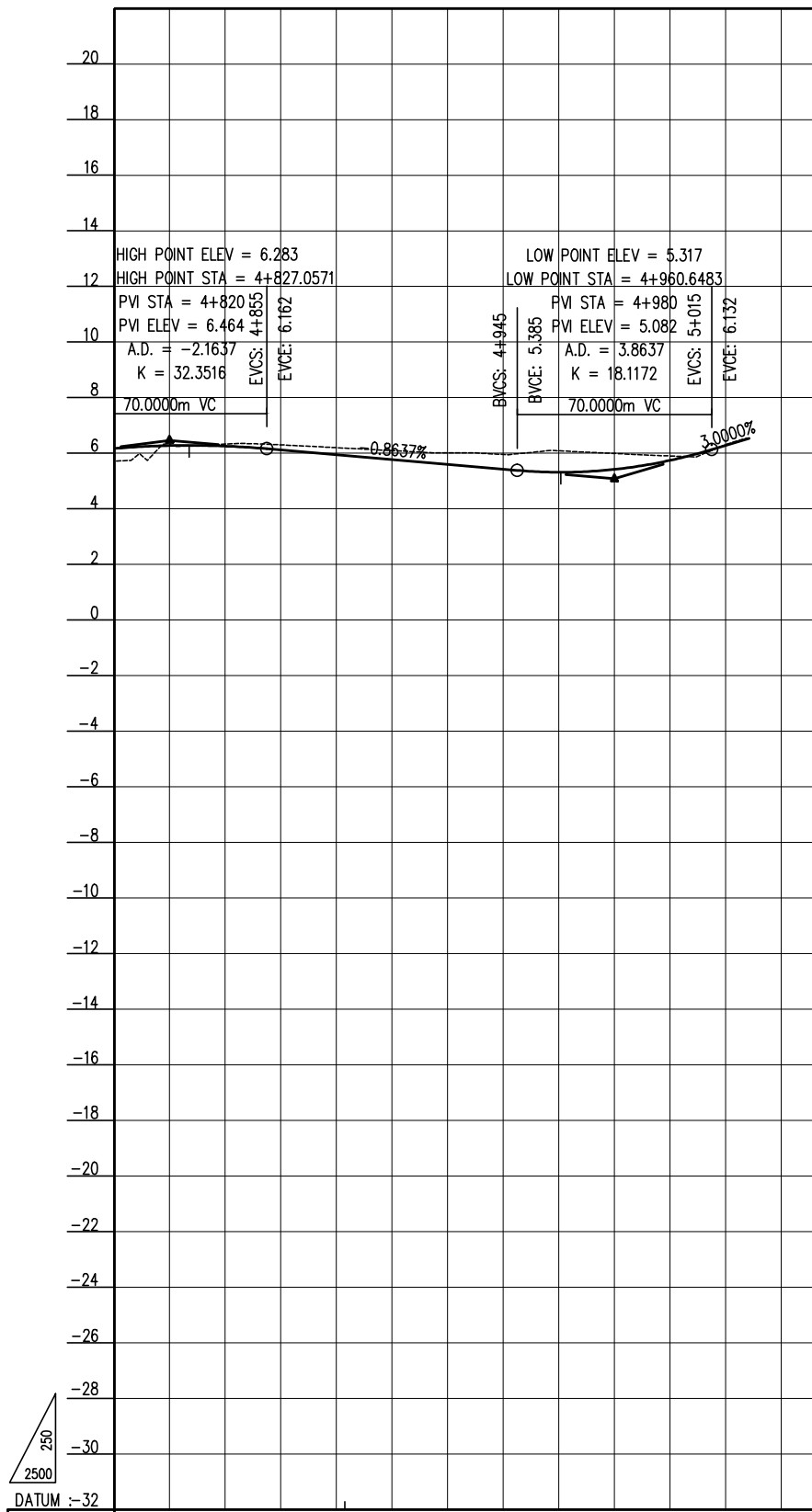
HORIZONTAL ALIGNMENT	TS 2+560.427		A=150.000		SC 2+650.427	R=250.000		SC 2+864.894	A=150.000		TC 2+954.894	TS 3+180.719		A=10																											
FINISHED ROAD LEVEL	3.834	3.756	3.710	3.710	3.756	3.834	3.914	3.994	4.074	4.143	4.173	4.163	4.114	4.054	3.994	3.934	3.877	3.872	3.942	4.087	4.284	4.484	4.684	4.884	5.084	5.284	5.484	5.684	5.884	6.060	6.153	6.160	6.084	5.984	5.884	5.784	5.684	5.584	5.484	5.384	5.284
EXISTING GROUND LEVEL	3.02	3.04	3.18	3.54	3.51	3.46	3.34	3.23	3.27	3.32	3.35	3.46	3.53	3.61	3.57	3.57	3.64	3.64	3.65	4.13	4.36	4.34	4.25	4.47	4.60	4.23	4.24	4.21	4.35	3.29	4.58	4.30	4.18	4.11	5.16	5.67	4.24	4.47	4.46	5.13	4.62
STATION	2+400	2+440	2+480	2+520	2+560	2+600	2+640	2+680	2+720	2+760	2+800	2+840	2+880	2+920	2+960	3+000	3+040	3+080	3+120	3+160	3+200																				

MINISTRY OF ROAD TRANSPORT AND BRIDGES (MORTB) PEOPLE'S REPUBLIC OF BANGLADESH ROADS & HIGHWAYS DEPARTMENT (RHD)	JAPAN INTERNATIONAL COOPERATION AGENCY	ORIENTAL CONSULTANTS GLOBAL CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON WESTERN BANGLADESH BRIDGES IMPROVEMENT PROJECT		DESIGNED BY:
					CHECKED BY:
PROFILE (4) 2+400 - 3+200				APPROVED BY:	
				DWG. NO.	EZ-11





No	REVISION	DATE

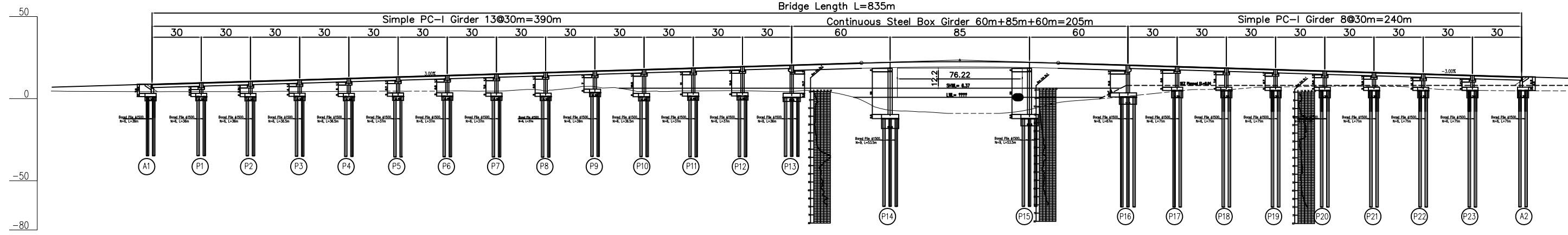


HORIZONTAL ALIGNMENT	R=500.000												
	4+883.033												
	5+028.372												
FINISHED ROAD LEVEL	6.170	6.275	6.257	6.119	5.946	5.773	5.601	5.428	5.317	5.420	5.744	6.282	6.530
EXISTING GROUND LEVEL	5.77	6.32	6.33	6.30	6.20	6.10	6.02	5.96	6.09	5.89	5.80	6.37	6.53
STATION	4+800	4+840	4+880	4+920	4+960	5+000	5+028.372						

No	REVISION	DATE

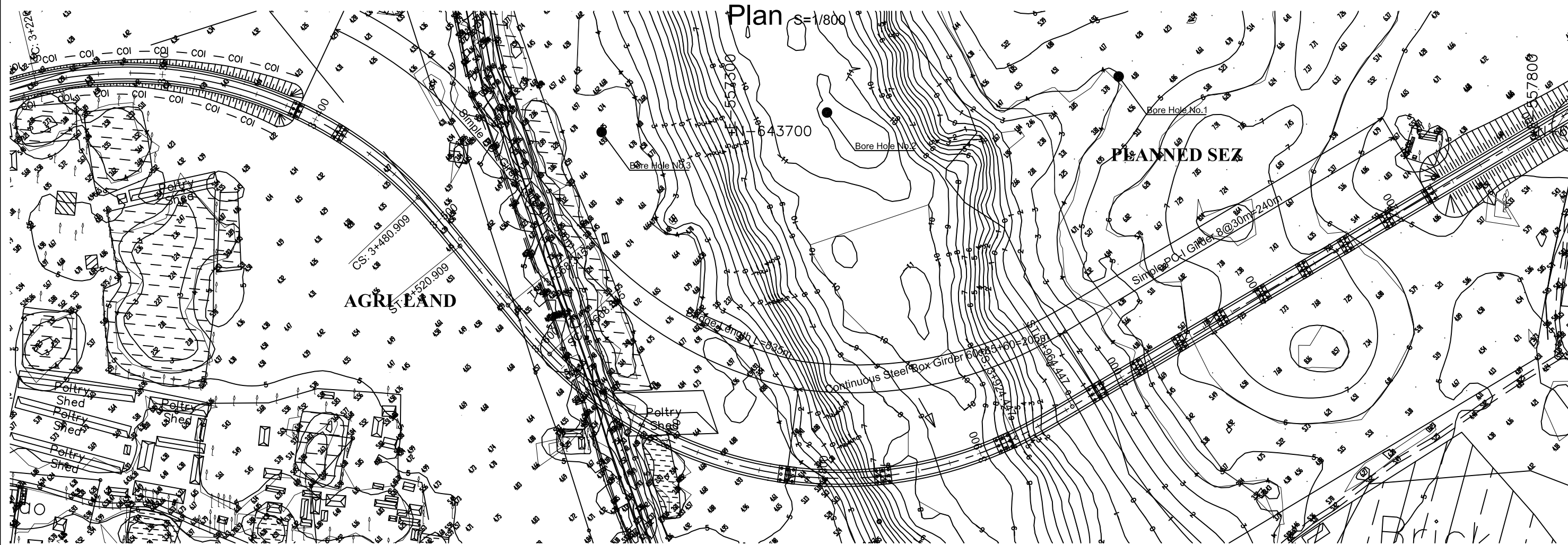
General View of EZ Bridge

Profile S=1/800



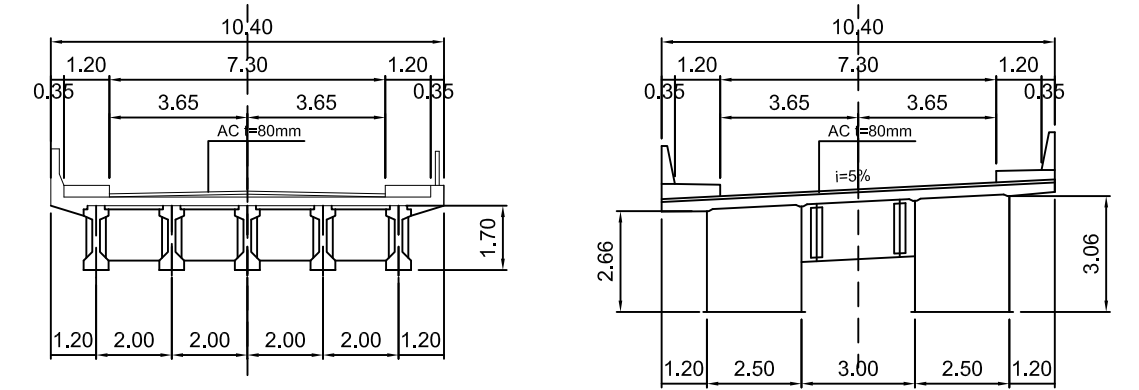
HORIZONTAL ALIGNMENT	R=250.00m	3+480.909	3+520.909	3+568.345	3+608.345	R=250.00m										3+924.447	3+964.447																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
FINISH GROUND	7.384	7.984	8.584	9.184	9.784	10.384	10.984	11.584	12.184	12.784	13.384	13.984	14.584	15.184	15.784	16.384	16.984	17.584	18.184	18.784	19.384	19.984	20.584	21.184	21.784	22.284	22.684	22.984	23.284	23.584	23.884	24.184	24.484	24.784	25.084	25.384	25.684	25.984	26.284	26.584	26.884	27.184	27.484	27.784	28.084	28.384	28.684	28.984	29.284	29.584	29.884	30.184	30.484	30.784	31.084	31.384	31.684	31.984	32.284	32.584	32.884	33.184	33.484	33.784	34.084	34.384	34.684	34.984	35.284	35.584	35.884	36.184	36.484	36.784	37.084	37.384	37.684	37.984	38.284	38.584	38.884	39.184	39.484	39.784	40.084	40.384	40.684	40.984	41.284	41.584	41.884	42.184	42.484	42.784	43.084	43.384	43.684	43.984	44.284	44.584	44.884	45.184	45.484	45.784	46.084	46.384	46.684	46.984	47.284	47.584	47.884	48.184	48.484	48.784	49.084	49.384	49.684	49.984	50.284	50.584	50.884	51.184	51.484	51.784	52.084	52.384	52.684	52.984	53.284	53.584	53.884	54.184	54.484	54.784	55.084	55.384	55.684	55.984	56.284	56.584	56.884	57.184	57.484	57.784	58.084	58.384	58.684	58.984	59.284	59.584	59.884	60.184	60.484	60.784	61.084	61.384	61.684	61.984	62.284	62.584	62.884	63.184	63.484	63.784	64.084	64.384	64.684	64.984	65.284	65.584	65.884	66.184	66.484	66.784	67.084	67.384	67.684	67.984	68.284	68.584	68.884	69.184	69.484	69.784	70.084	70.384	70.684	70.984	71.284	71.584	71.884	72.184	72.484	72.784	73.084	73.384	73.684	73.984	74.284	74.584	74.884	75.184	75.484	75.784	76.084	76.384	76.684	76.984	77.284	77.584	77.884	78.184	78.484	78.784	79.084	79.384	79.684	79.984	80.284	80.584	80.884	81.184	81.484	81.784	82.084	82.384	82.684	82.984	83.284	83.584	83.884	84.184	84.484	84.784																																																																																																																																																																																																																																																																																																																																																																																								
EXISTING GROUND	4.43	4.41	4.22	4.29	4.30	4.28	4.40	4.36	4.38	4.50	4.54	4.57	4.56	4.61	5.49	6.02	6.91	5.04	4.35	4.66	4.90	4.55	4.60	4.14	-0.87	-7.24	-8.10	-9.00	-9.00	-9.00	-7.13	-2.37	-0.57	1.26	3.30	5.36	5.67	6.88	7.20	7.53	7.56	7.42	6.62	5.42	4.98	4.80	4.77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
STATION		3+387.5	3+400	3+412.5	3+425	3+437.5	3+450	3+462.5	3+475	3+487.5	3+500	3+512.5	3+525	3+537.5	3+550	3+562.5	3+575	3+587.5	3+600	3+612.5	3+625	3+637.5	3+650	3+662.5	3+675	3+687.5	3+700	3+712.5	3+725	3+737.5	3+750	3+762.5	3+775	3+787.5	3+800	3+812.5	3+825	3+837.5	3+850	3+862.5	3+875	3+887.5	3+900	3+912.5	3+925	3+937.5	3+950	3+962.5	3+975	3+987.5	4+000	4+012.5	4+025	4+037.5	4+050	4+062.5	4+075	4+087.5	4+100	4+112.5	4+125	4+137.5	4+150	4+162.5	4+175	4+187.5	4+200	4+212.5	4+225	4+237.5	4+250	4+262.5	4+275	4+287.5	4+300	4+312.5	4+325	4+337.5	4+350	4+362.5	4+375	4+387.5	4+400	4+412.5	4+425	4+437.5	4+450	4+462.5	4+475	4+487.5	4+500	4+512.5	4+525	4+537.5	4+550	4+562.5	4+575	4+587.5	4+600	4+612.5	4+625	4+637.5	4+650	4+662.5	4+675	4+687.5	4+700	4+712.5	4+725	4+737.5	4+750	4+762.5	4+775	4+787.5	4+800	4+812.5	4+825	4+837.5	4+850	4+862.5	4+875	4+887.5	4+900	4+912.5	4+925	4+937.5	4+950	4+962.5	4+975	4+987.5	5+000	5+012.5	5+025	5+037.5	5+050	5+062.5	5+075	5+087.5	5+100	5+112.5	5+125	5+137.5	5+150	5+162.5	5+175	5+187.5	5+200	5+212.5	5+225	5+237.5	5+250	5+262.5	5+275	5+287.5	5+300	5+312.5	5+325	5+337.5	5+350	5+362.5	5+375	5+387.5	5+400	5+412.5	5+425	5+437.5	5+450	5+462.5	5+475	5+487.5	5+500	5+512.5	5+525	5+537.5	5+550	5+562.5	5+575	5+587.5	5+600	5+612.5	5+625	5+637.5	5+650	5+662.5	5+675	5+687.5	5+700	5+712.5	5+725	5+737.5	5+750	5+762.5	5+775	5+787.5	5+800	5+812.5	5+825	5+837.5	5+850	5+862.5	5+875	5+887.5	5+900	5+912.5	5+925	5+937.5	5+950	5+962.5	5+975	5+987.5	6+000	6+012.5	6+025	6+037.5	6+050	6+062.5	6+075	6+087.5	6+100	6+112.5	6+125	6+137.5	6+150	6+162.5	6+175	6+187.5	6+200	6+212.5	6+225	6+237.5	6+250	6+262.5	6+275	6+287.5	6+300	6+312.5	6+325	6+337.5	6+350	6+362.5	6+375	6+387.5	6+400	6+412.5	6+425	6+437.5	6+450	6+462.5	6+475	6+487.5	6+500	6+512.5	6+525	6+537.5	6+550	6+562.5	6+575	6+587.5	6+600	6+612.5	6+625	6+637.5	6+650	6+662.5	6+675	6+687.5	6+700	6+712.5	6+725	6+737.5	6+750	6+762.5	6+775	6+787.5	6+800	6+812.5	6+825	6+837.5	6+850	6+862.5	6+875	6+887.5	6+900	6+912.5	6+925	6+937.5	6+950	6+962.5	6+975	6+987.5	7+000	7+012.5	7+025	7+037.5	7+050	7+062.5	7+075	7+087.5	7+100	7+112.5	7+125	7+137.5	7+150	7+162.5	7+175	7+187.5	7+200	7+212.5	7+225	7+237.5	7+250	7+262.5	7+275	7+287.5	7+300	7+312.5	7+325	7+337.5	7+350	7+362.5	7+375	7+387.5	7+400	7+412.5	7+425	7+437.5	7+450	7+462.5	7+475	7+487.5	7+500	7+512.5	7+525	7+537.5	7+550	7+562.5	7+575	7+587.5	7+600	7+612.5	7+625	7+637.5	7+650	7+662.5	7+675	7+687.5	7+700	7+712.5	7+725	7+737.5	7+750	7+762.5	7+775	7+787.5	7+800	7+812.5	7+825	7+837.5	7+850	7+862.5	7+875	7+887.5	7+900	7+912.5	7+925	7+937.5	7+950	7+962.5	7+975	7+987.5	8+000	8+012.5	8+025	8+037.5	8+050	8+062.5	8+075	8+087.5	8+100	8+112.5	8+125	8+137.5	8+150	8+162.5	8+175	8+187.5	8+200	8+212.5	8+225	8+237.5	8+250	8+262.5	8+275	8+287.5	8+300	8+312.5	8+325	8+337.5	8+350	8+362.5	8+375	8+387.5	8+400	8+412.5	8+425	8+437.5	8+450	8+462.5	8+475	8+487.5	8+500	8+512.5	8+525	8+537.5	8+550	8+562.5	8+575	8+587.5	8+600	8+612.5	8+625	8+637.5	8+650	8+662.5	8+675	8+687.5	8+700	8+712.5	8+725	8+737.5	8+750	8+762.5	8+775	8+787.5	8+800	8+812.5	8+825	8+837.5	8+850	8+862.5	8+875	8+887.5	8+900	8+912.5	8+925	8+937.5	8+950	8+962.5	8+975	8+987.5	9+000	9+012.5	9+025	9+037.5	9+050	9+062.5	9+075	9+087.5	9+100	9+112.5	9+125	9+137.5	9+150	9+162.5	9+175	9+187.5	9+200	9+212.5	9+225	9+237.5	9+250	9+262.5	9+275	9+287.5	9+300	9+312.5	9+325	9+337.5	9+350	9+362.5	9+375	9+387.5	9+400	9+412.5	9+425	9+437.5	9+450	9+462.5	9+475	9+487.5	9+500	9+512.5	9+525	9+537.5	9+550	9+562.5	9+575	9+587.5	9+600	9+612.5	9+625	9+637.5	9+650	9+662.5	9+675	9+687.5	9+700	9+712.5	9+725	9+737.5	9+750	9+762.5	9+775	9+787.5	9+800	9+812.5	9+825	9+837.5	9+850	9+862.5	9+875	9+887.5	9+900	9+912.5	9+925	9+937.5	9+950	9+962.5	9+975	9+987.5	10+000	10+012.5	10+025	10+037.5	10+050	10+062.5	10+075	10+087.5	10+100	10+112.5	10+125	10+137.5	10+150	10+162.5	10+175	10+187.5	10+200	10+212.5	10+225	10+237.5	10+250	10+262.5	10+275	10+287.5	10+300	10+312.5	10+325	10+337.5	10+350	10+362.5	10+375	10+387.5	10+400	10+412.5	10+425	10+437.5	10+450	10+462.5	10+475	10+487.5	10+500	10+512.5	10+525	10+537.5	10+550	10+562.5	10+575	10+587.5	10+600	10+612.5	10+625	10+637.5	10+650	10+662.5	10+675	10+687.5	10+700	10+712.5	10+725	10+737.5	10+750	10+762.5	10+775	10+787.5	10+800	10+812.5	10+825	10+837.5	10+850	10+862.5	10+875	10+887.5	10+900	10+912.5	10+925	10+937.5	10+950	10+962.5	10+975	10+987.5

Plan S=1/800

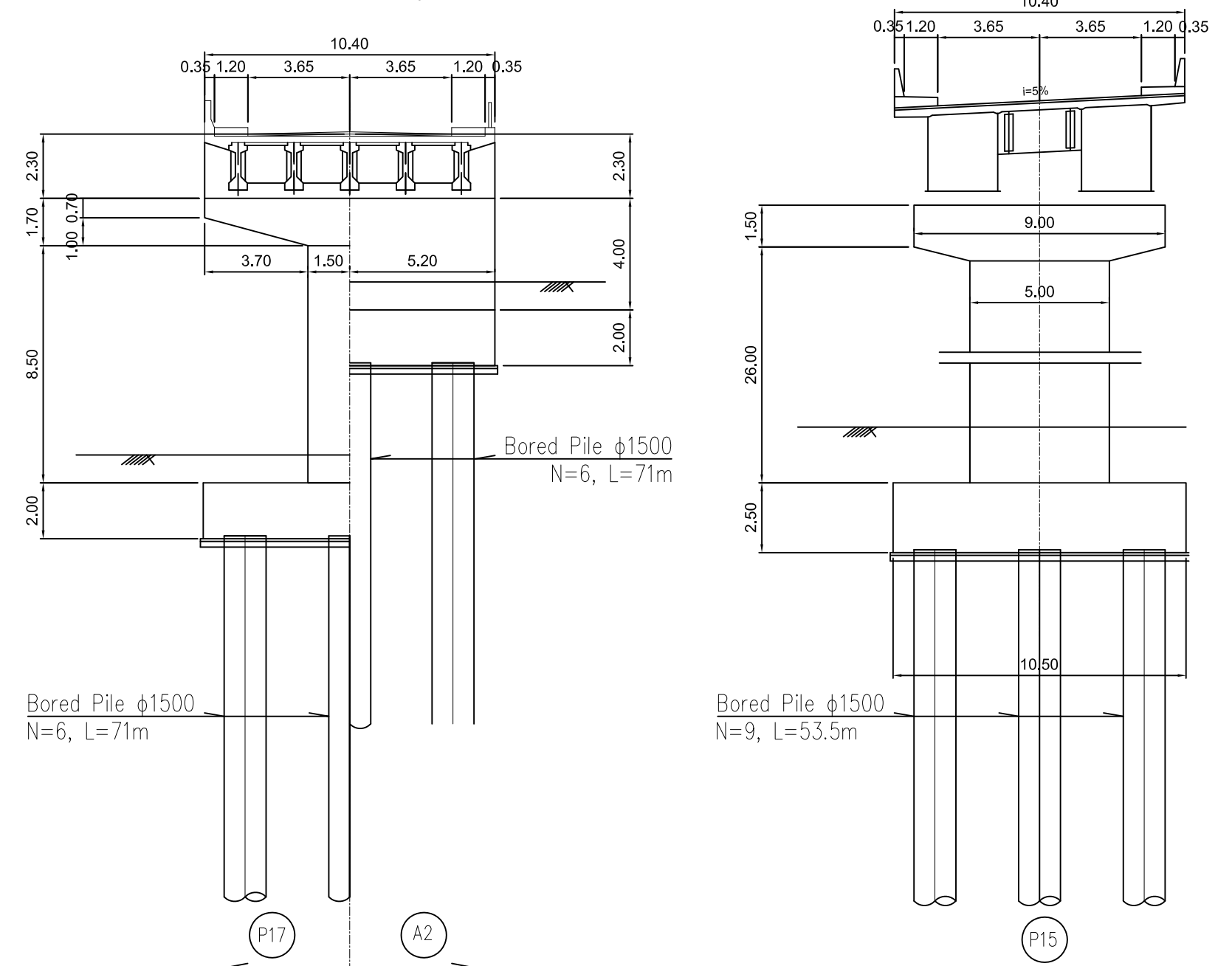


Typical Cross-section of Superstructure S=1/100

Approach Bridge (PC-I Girder : 30m) Main Bridge (Steel Box Girder : 60m+85m+60m)



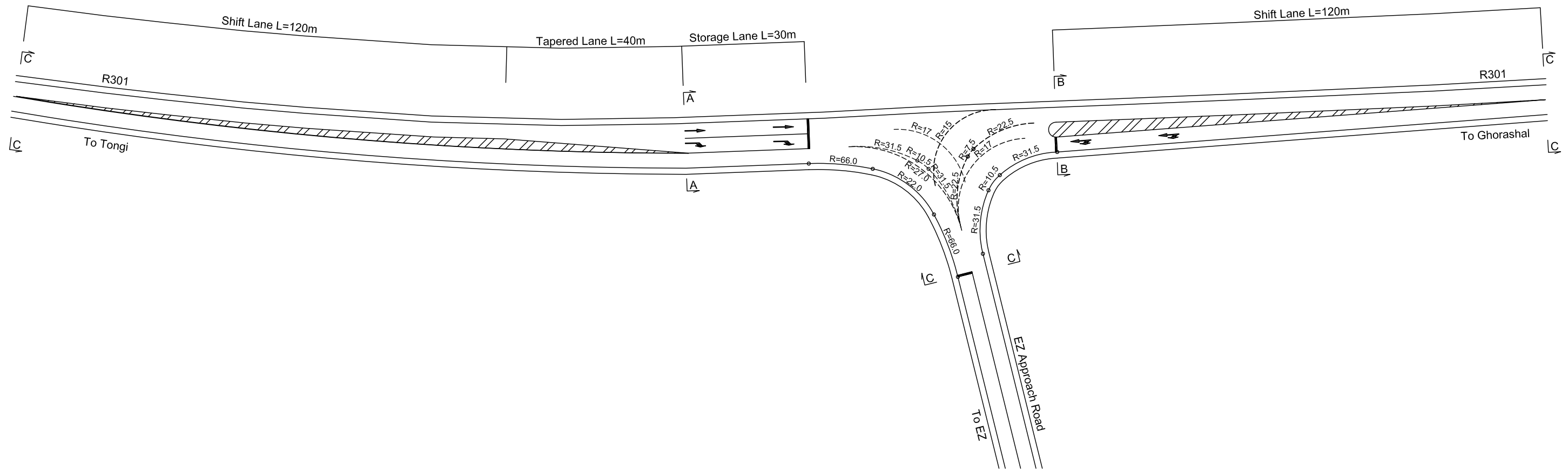
Typical Cross-section of Substructure S=1/100



Intersection Plan

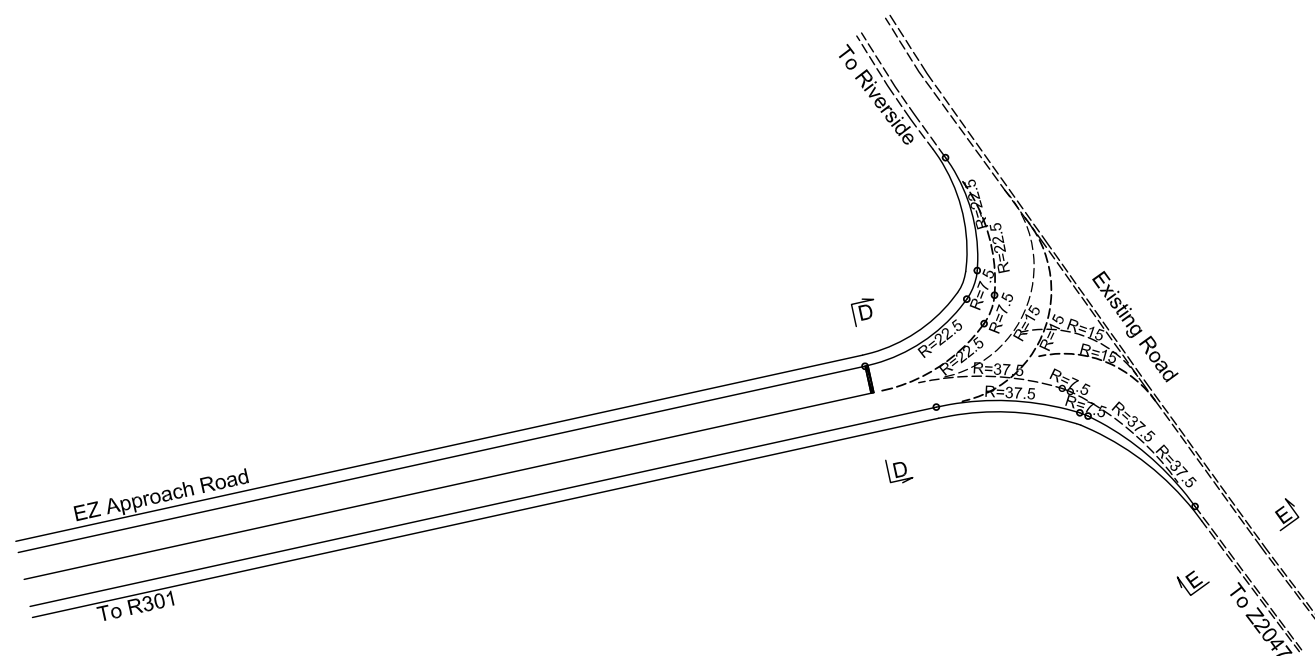
Plan for No.1 Intersection

Scale 1/1000



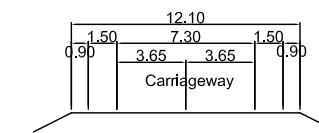
Plan for No.2 Intersection

Scale 1/1000

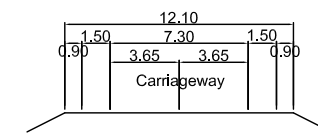


Cross Section

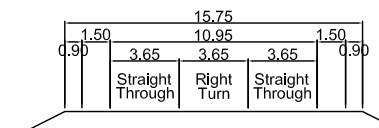
Scale 1/400



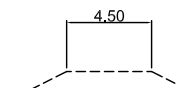
Section A-A



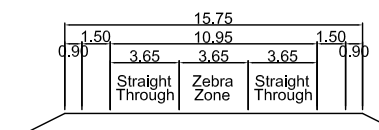
Section D-D



Section B-B



Section E-E

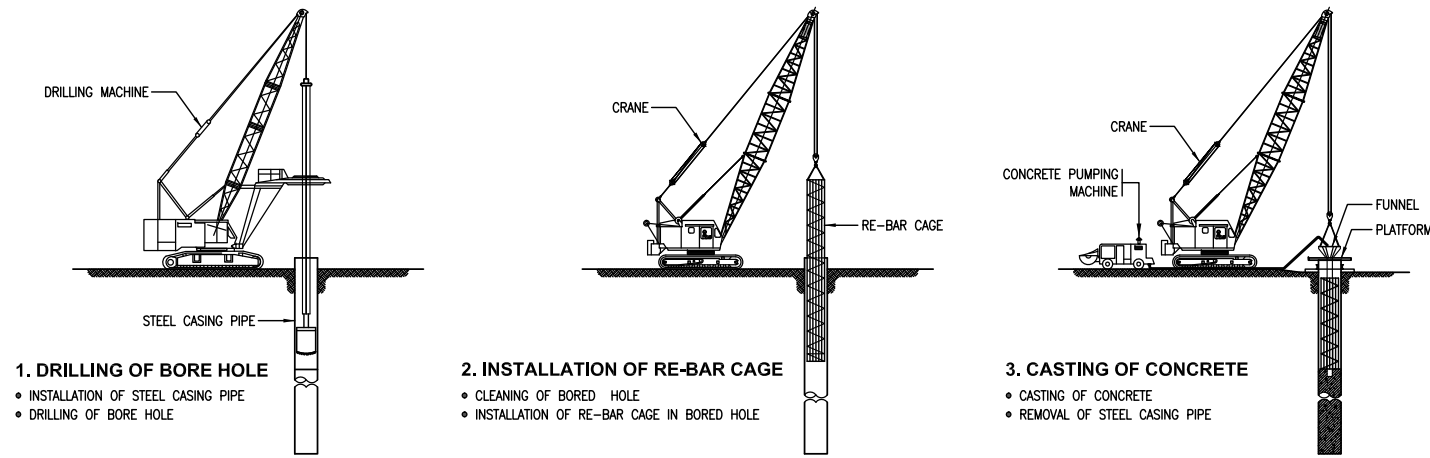


Section C-C

E. Construction Method

Construction Method

STEP 1: BORED PILE



1. DRILLING OF BORE HOLE

- INSTALLATION OF STEEL CASING PIPE
- DRILLING OF BORE HOLE

2. INSTALLATION OF RE-BAR CAGE

- CLEANING OF BORED HOLE
- INSTALLATION OF RE-BAR CAGE IN BORED HOLE

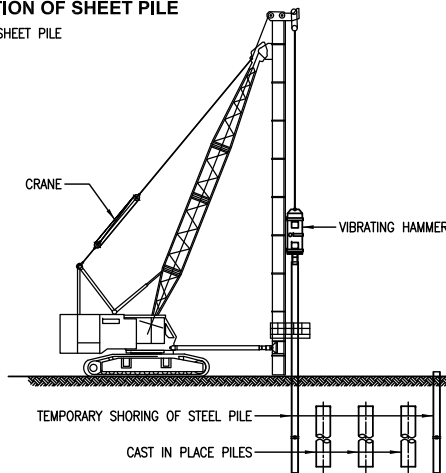
3. CASTING OF CONCRETE

- CASTING OF CONCRETE
- REMOVAL OF STEEL CASING PIPE

STEP 2: PILE CAP

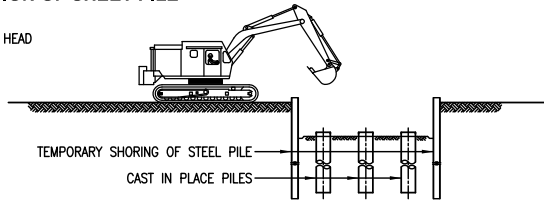
1. INSTALLATION OF SHEET PILE

- INSTALLATION OF SHEET PILE



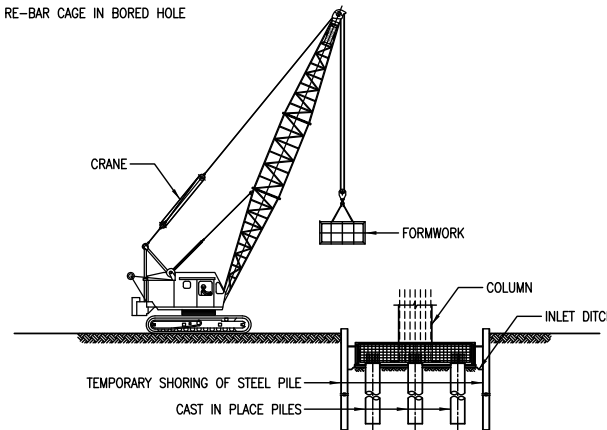
2. INSTALLATION OF SHEET PILE

- EXCAVATION
- CUT OFF OF PILE HEAD



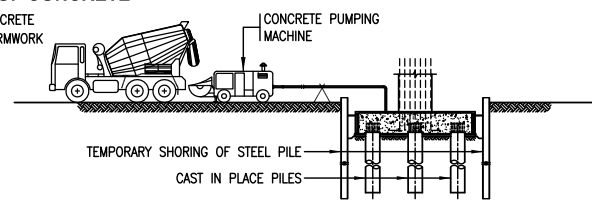
3. INSTALLATION OF FORMWORK & REINFORCEMENT OF PILE CAP

- INSTALLATION OF SHEET PILE
- INSTALLATION OF RE-BAR CAGE IN BORED HOLE



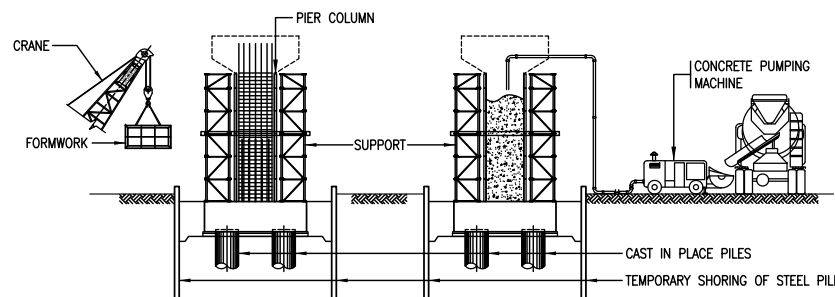
4. CASTING OF CONCRETE

- CASTING OF CONCRETE
- REMOVAL OF FORMWORK
- BACKFILLING

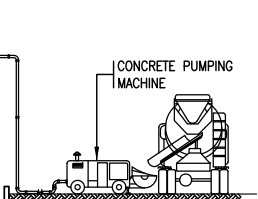


STEP 3: PIER

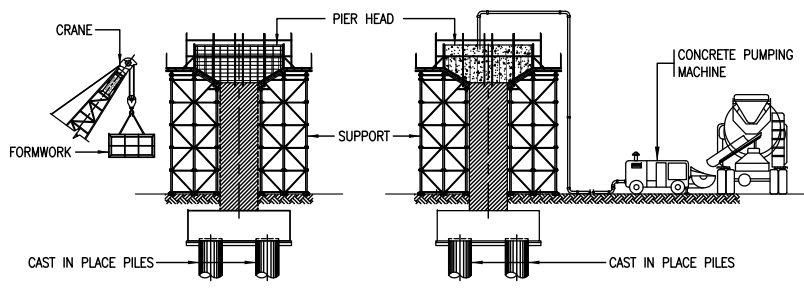
1. INSTALL OF FORMWORK & REINFORCEMENT OF PIER COLUMN



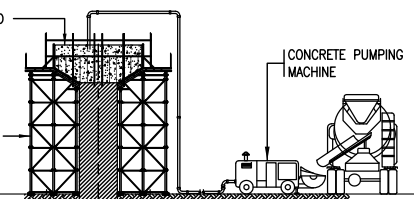
2. CASTING OF CONCRETE OF PIER COLUMN



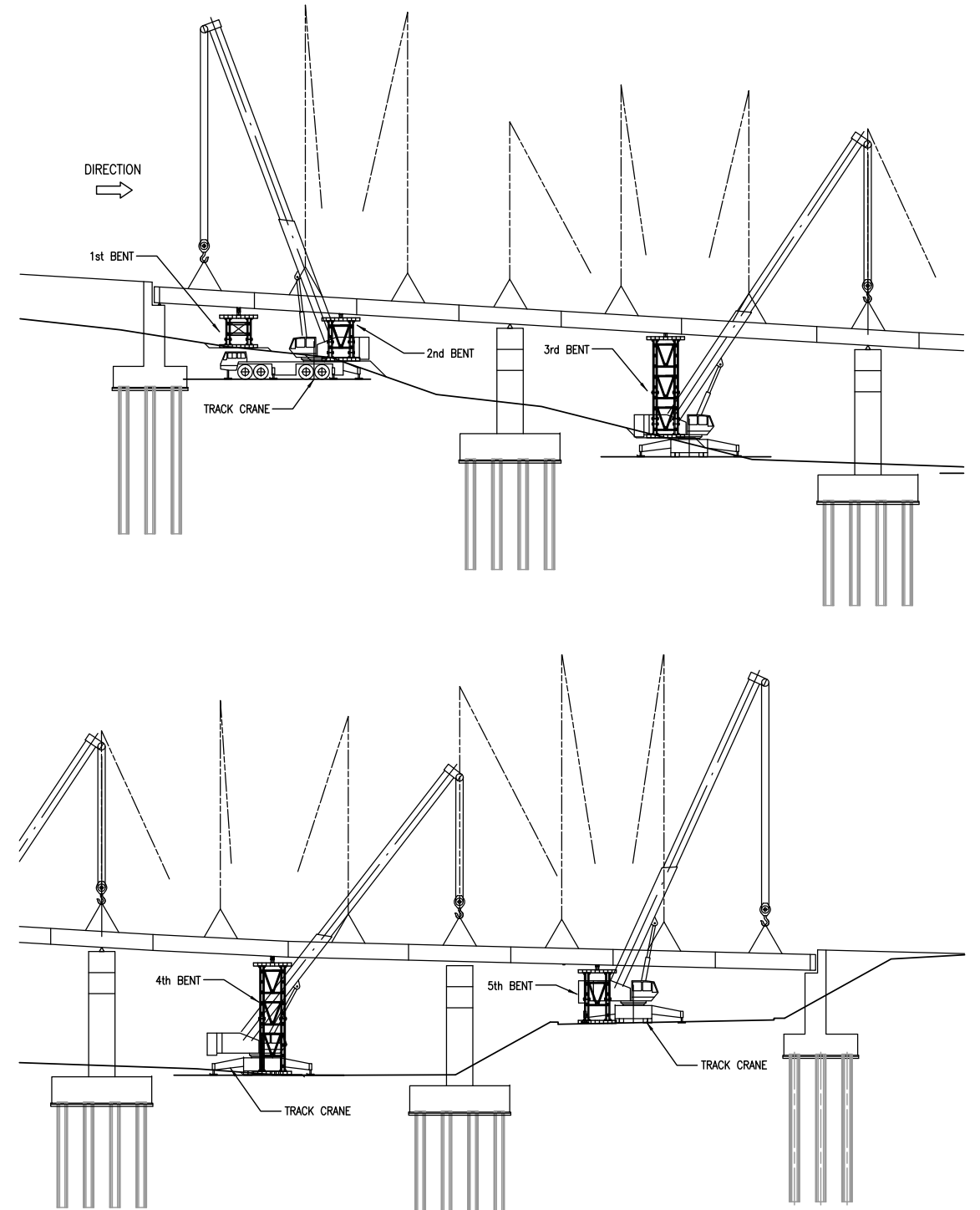
3. INSTALLATION OF FORMWORK & REINFORCEMENT OF PIER HEAD



4. CASTING OF CONCRETE OF PIER HEAD



STEP 4: SUPERSTRUCTURE



1. FABRICATION YARD
 - NEARBY SITE (ONLY IF PC-I GIRDER)
2. INSTALLATION OF BENT
 - ONLY IF STEEL-I GIRDER
3. ERECTION BY TRACK CRANE
 - EASE OF ERECTION IN DRY SEASON