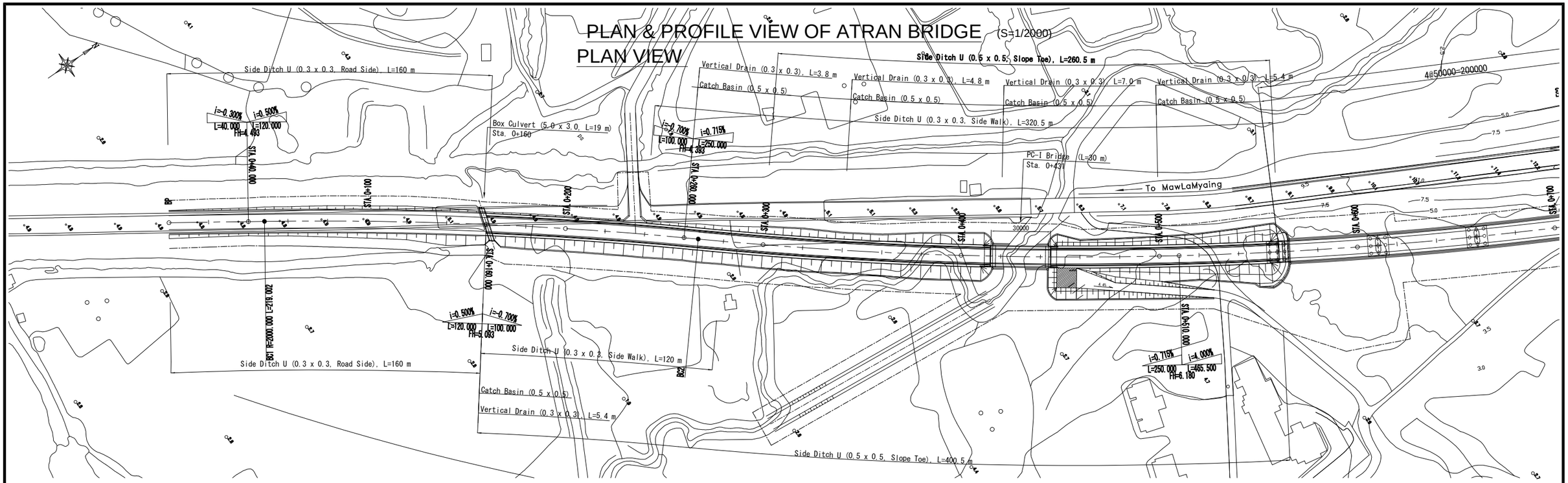
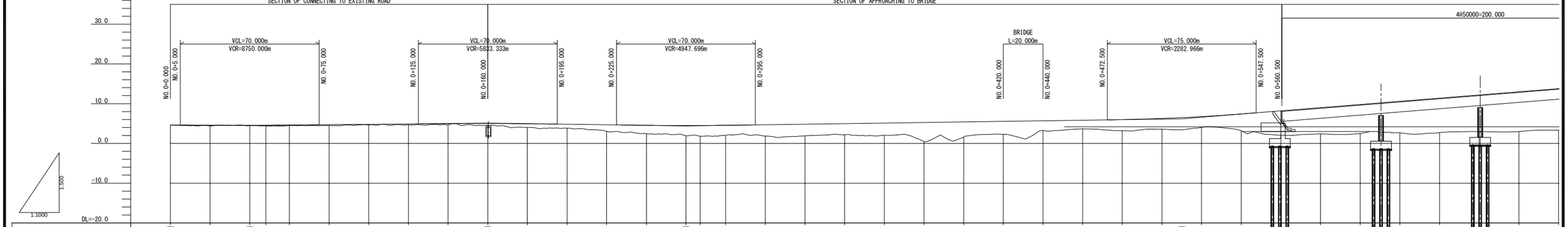
(E) ATRAN BRIDGE

PLAN & PROFILE VIEW OF ATRAN BRIDGE (S=1/2000)

PLAN VIEW



PROFILE VIEW



STATION	GRADIENT	PROPOSED HEIGHT	GROUND HEIGHT	CUTTING HEIGHT	FILL HEIGHT	CURVE
0+000.000	4.613	4.613	4.613			
		4.598				
0+020.000	i=-0.300% L=40.000m	4.566	4.409		0.157	L=48.171 R=∞
0+040.000	4.493	4.563	4.468		0.095	
0+048.171		4.575	4.387		0.188	
0+060.000		4.606	4.480		0.126	
		4.668				
0+080.000		4.693	4.506		0.187	
0+100.000	i=0.500% L=120.000m	4.793	4.651		0.142	
0+120.000		4.893	4.675		0.218	
		4.918				
0+140.000		4.974	4.663		0.311	
0+160.000	5.093	4.988	4.587		0.401	R=2000.000 CL= 219.002
0+180.000		4.934	4.003		0.931	
		4.848				
0+200.000		4.813	3.829		0.984	
0+220.000	i=-0.700% L=100.000m	4.673	3.037		1.636	
		4.638				
0+240.000		4.556	2.463		2.093	
0+260.000	4.393	4.517	1.940		2.577	
0+267.173		4.523	1.814		2.709	
0+280.000		4.559	2.026		2.533	
		4.643				
0+300.000		4.679	1.844		2.835	
0+320.000		4.822	1.889		2.933	
0+340.000		4.965	2.178		2.787	
0+360.000		5.108	2.056		3.052	
0+380.000	i=0.715% L=250.000m	5.251	0.466		4.785	
0+400.000		5.394	1.577		3.817	
0+420.000		5.537	2.284		3.253	
0+440.000		5.680	3.254		2.426	
0+460.000		5.823	3.675		2.148	
		5.912				
0+480.000		5.978	3.156		2.822	R=2000.000 CL= 446.105
0+500.000		6.274	3.568		2.706	
	6.180	6.488				
0+520.000		6.746	4.011		2.735	
0+540.000		7.392	3.223		4.169	
		7.680				
0+560.000		8.180	2.072		6.108	
0+580.000		8.980	2.391		6.589	
0+600.000		9.780	2.477		7.303	
0+620.000		10.580	2.678		7.902	
0+640.000		11.380	2.693		8.687	
0+660.000		12.180	2.997		9.183	
0+680.000		12.980	2.986		9.994	

JAPAN INTERNATIONAL COOPERATION AGENCY

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CTI ENGINEERING INTERNATIONAL CO., LTD
NIPPON KOEI CO., LTD

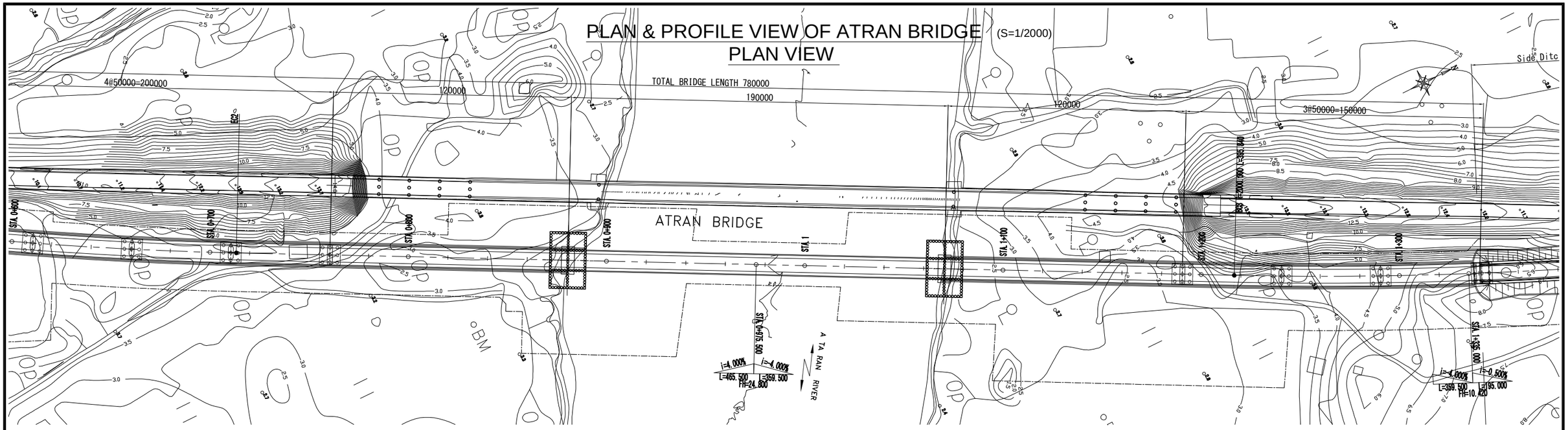
REMARKS

THE PROJECT FOR STRENGTHENING CONNECTIVITY
OF INTERNATIONAL HIGHWAY IN MEKONG REGION

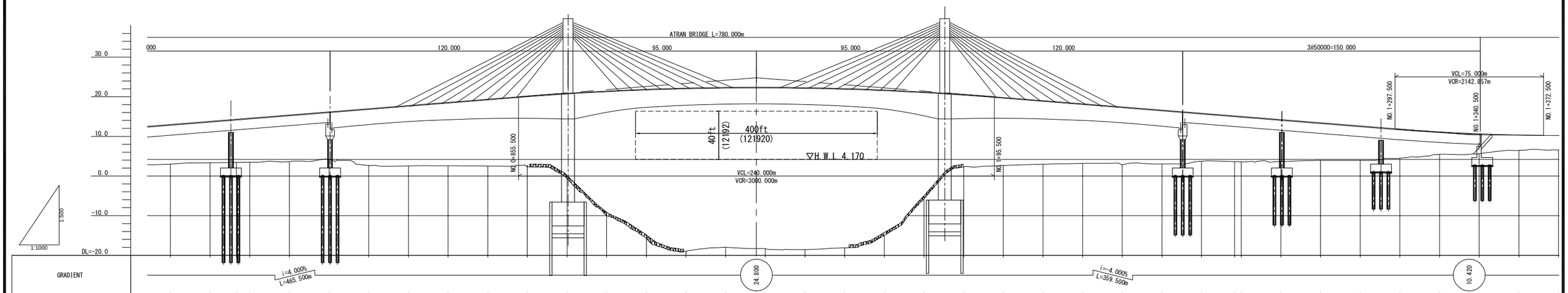
DRAWING TITLE	PLAN & PROFILE VIEW OF ATRAN BRIDGE
SCALE	1/2000
DRAWING NO.	E-1-1
SHEET NO.	

PLAN & PROFILE VIEW OF ATRAN BRIDGE (S=1/2000)

PLAN VIEW



PROFILE VIEW



GRADIENT					i=4.000% L=465.500m						
PROPOSED HEIGHT	12.980	13.780	14.311	14.580	15.380	16.180	16.980	17.780	18.580	19.380	20.000
GROUND HEIGHT	2.986	3.324	3.440	3.470	3.646	4.122	2.665	2.543	2.580	2.517	
CUTTING HEIGHT											
FILL HEIGHT	9.994	10.456	10.871	11.110	11.734	12.058	14.315	15.237	16.000	16.863	
STATION	0+680.000	0+700.000	0+713.278	0+720.000	0+740.000	0+760.000	0+780.000	0+800.000	0+820.000	0+840.000	
CURVE											

GRADIENT							24.800				
PROPOSED HEIGHT	20.177	20.880	21.450	21.887	22.190	22.360	22.400	22.397	22.300	22.070	21.707
GROUND HEIGHT	2.309	-0.650	-9.903	-15.761	-18.983	-17.956		-18.311	-18.560	-18.110	-14.991
CUTTING HEIGHT											
FILL HEIGHT	17.868	21.530	31.353	37.648	41.173	40.316		40.708	40.860	40.180	36.698
STATION	0+860.000	0+880.000	0+900.000	0+920.000	0+940.000	0+960.000		0+980.000	1+000.000	1+020.000	1+040.000
CURVE						L=503.372 R=∞					

GRADIENT						i=-4.000% L=359.500m					
PROPOSED HEIGHT	21.210	20.580	20.000	19.820	19.020	18.220	17.420	16.620	15.820	15.154	15.020
GROUND HEIGHT	-5.785	2.285		2.651	2.966	3.194	2.822	3.044	3.742	3.640	3.580
CUTTING HEIGHT											
FILL HEIGHT	26.995	18.295		17.169	16.054	15.026	14.598	13.576	12.078	11.514	11.440
STATION	1+060.000	1+080.000		1+100.000	1+120.000	1+140.000	1+160.000	1+180.000	1+200.000	1+216.650	1+220.000
CURVE											

GRADIENT							10.420			
PROPOSED HEIGHT	14.220	13.420	12.620	11.920	11.821	11.138	10.748	10.641	10.331	10.233
GROUND HEIGHT	3.671	3.925	3.925		4.500	5.479		5.616	6.461	
CUTTING HEIGHT										
FILL HEIGHT	10.549	9.495	8.695		7.321	5.659		5.025	3.870	
STATION	1+240.000	1+260.000	1+280.000		1+300.000	1+320.000		1+340.000	1+360.000	
CURVE										

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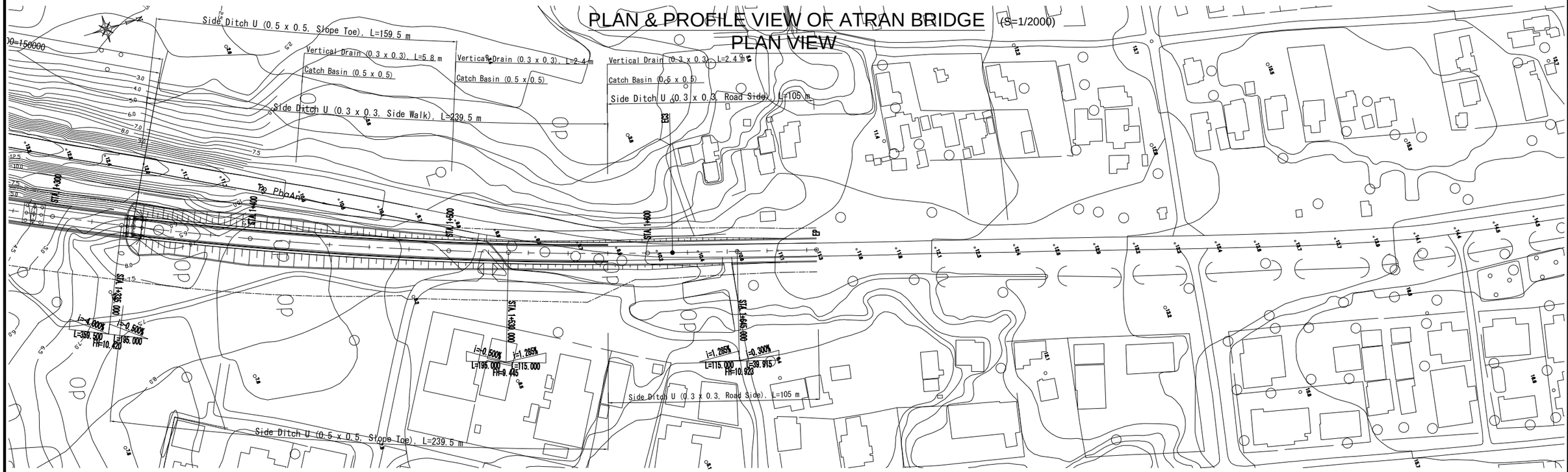
THE PROJECT FOR STRENGTHENING CONNECTIVITY
OF INTERNATIONAL HIGHWAY IN MEKONG REGION

DRAWING TITLE
PLAN & PROFILE VIEW OF ATRAN BRIDGE

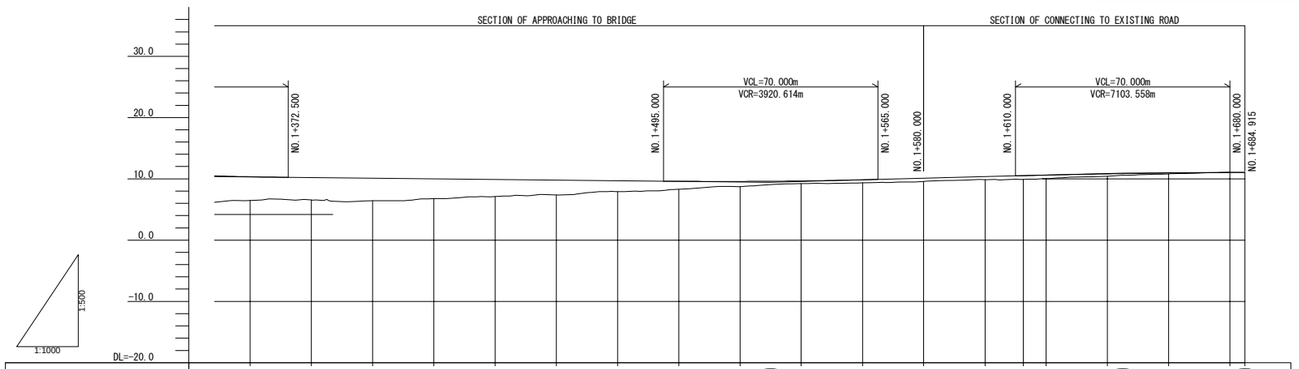
SCALE	1/2000
DRAWING NO.	E-1-2
SHEET NO.	

PLAN & PROFILE VIEW OF ATRAN BRIDGE (S=1/2000)

PLAN VIEW



PROFILE VIEW



GRADIENT					i=-0.500% L=195.000m								
PROPOSED HEIGHT	10.331	10.233	10.195	10.095	9.995	9.895	9.795	9.695	9.620	9.598	9.575	9.601	9.653
GROUND HEIGHT	6.461		6.542	6.410	6.761	7.089	7.362	7.907		8.294	8.725		9.217
CUTTING HEIGHT													
FILL HEIGHT	3.870		3.653	3.685	3.234	2.806	2.433	1.788		1.304	0.850		0.436
STATION	1+360.000		1+380.000	1+400.000	1+420.000	1+440.000	1+460.000	1+480.000		1+500.000	1+520.000		1+540.000
CURVE				R=2000.000 CL= 395.840									

GRADIENT				i=1.285% L=115.000m					10.923	i=0.300% L=39.915m		11.043
PROPOSED HEIGHT	9.834	9.895	10.088	10.345	10.473	10.505	10.595	10.796	10.837	10.940	11.028	11.043
GROUND HEIGHT	9.334		9.558	9.865		9.899	10.020	10.416		10.793	11.028	11.043
CUTTING HEIGHT												
FILL HEIGHT	0.500		0.530	0.480		0.606	0.575	0.380		0.147	0.000	
STATION	1+560.000		1+580.000	1+600.000		1+612.490	1+620.000	1+640.000		1+660.000	1+680.000	1+684.915
CURVE								L=72.425 R=∞				

Gradient row, vertical point between 1+520.000 and 1+540.000: 9.445

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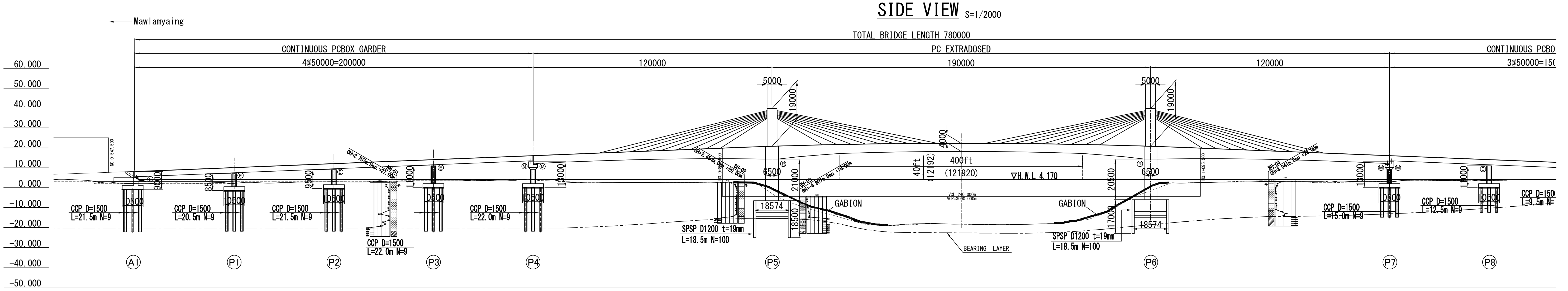
THE PROJECT FOR STRENGTHENING CONNECTIVITY
OF INTERNATIONAL HIGHWAY IN MEKONG REGION

DRAWING TITLE	SCALE	1/2000
PLAN & PROFILE VIEW OF ATRAN BRIDGE	DRAWING NO.	E-1-3
	SHEET NO.	

SIDE VIEW S=1/2000

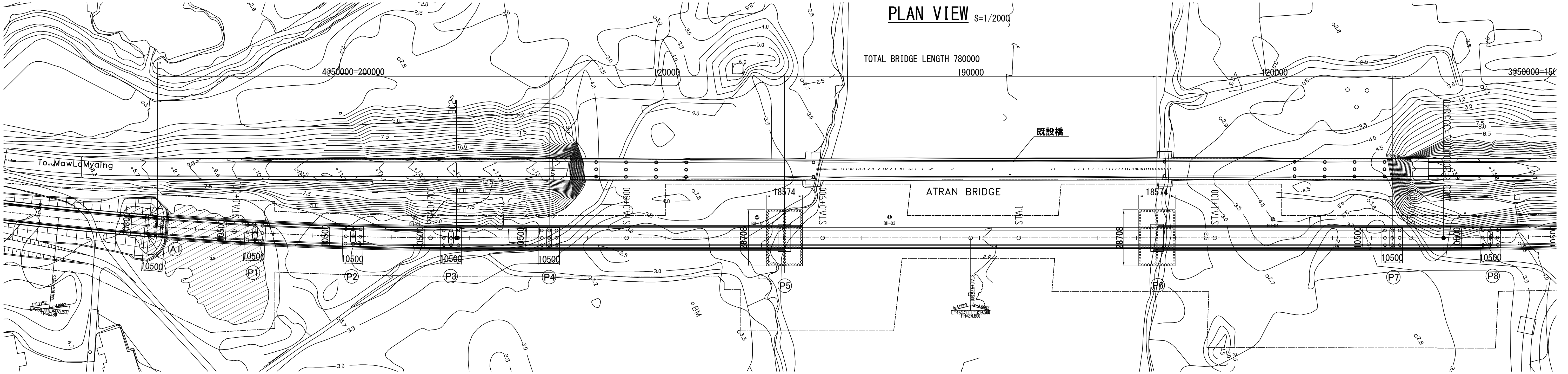


GRADIENT: 4.000% L=465.500m — 24.800 — 4.000% L=359.500m

STATION	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE
0+540.000	7.394		
0+560.000 0+560.500 A1	8.180		20.000 0.500
0+580.000	8.980		19.500
0+600.000	9.780		20.000
P1 0+610.500			10.500
0+620.000	10.580		9.500
0+640.000	11.380		20.000
0+660.000 0+660.500 P2	12.180		5.000 0.500
0+680.000	12.980		19.500
0+700.000	13.780		20.000
P3 0+710.500 0+713.278	14.311		10.500 2.778
0+720.000	14.580		6.722
0+740.000	15.380		20.000
0+760.000 0+760.500 P4	16.180		20.000 0.500
0+780.000	16.980		19.500
0+800.000	17.780		20.000
0+820.000	18.580		20.000
0+840.000	19.380		20.000
0+860.000	20.177		20.000
0+880.000 0+880.500 P5	20.880		20.000 0.500
0+900.000	21.450		19.500
0+920.000	21.887		20.000
0+940.000	22.190		20.000
0+960.000	22.360		20.000
0+980.000	22.397		20.000
1+000.000	22.300		20.000
1+020.000	22.070		20.000
1+040.000	21.707		20.000
1+060.000	21.210		20.000
P6 1+070.500			10.500
1+080.000	20.580		9.500
1+100.000	19.820		20.000
1+120.000	19.020		20.000
1+140.000	18.220		5.000
1+160.000	17.420		20.000
1+180.000	16.620		20.000
P7 1+190.500			10.500
1+200.000	15.820		9.500
1+216.650 1+220.000	15.154 15.020		16.650 3.350
1+240.000 1+240.500 P8	14.220		20.000 0.500
1+260.000	13.420		19.500

CURVE ELEMENT: R=2000 L=446.105 — R=∞ L=503.372

PLAN VIEW S=1/2000



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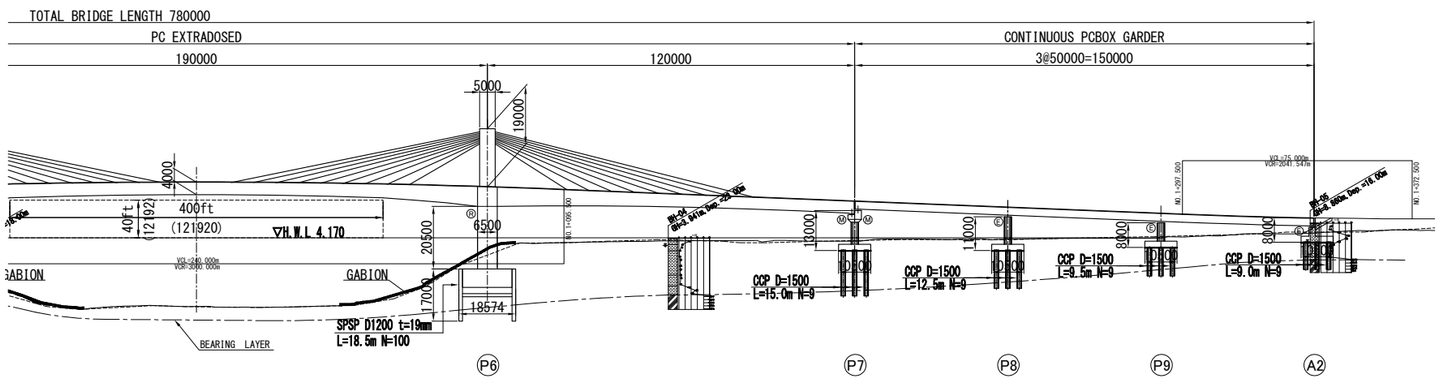
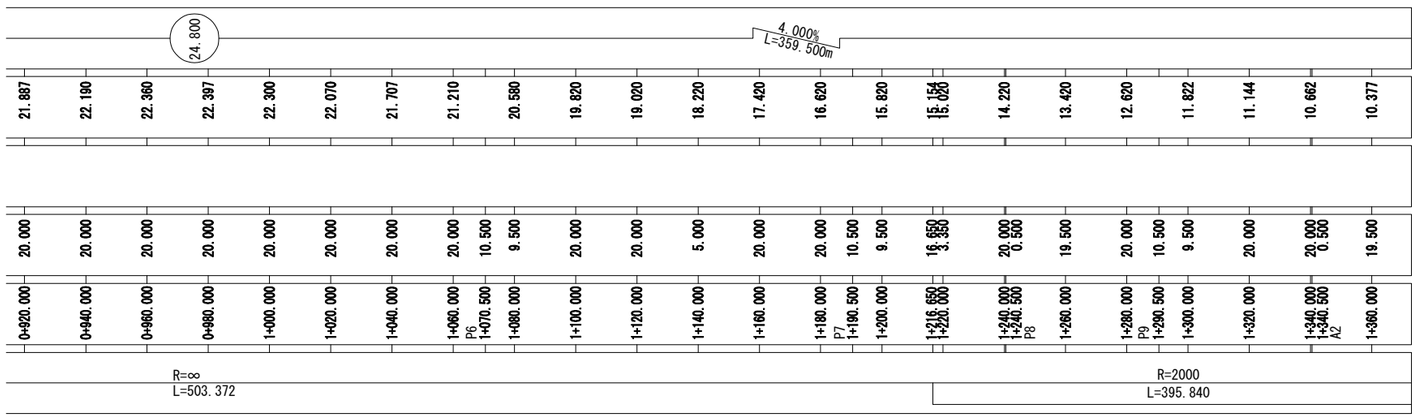
REMARKS

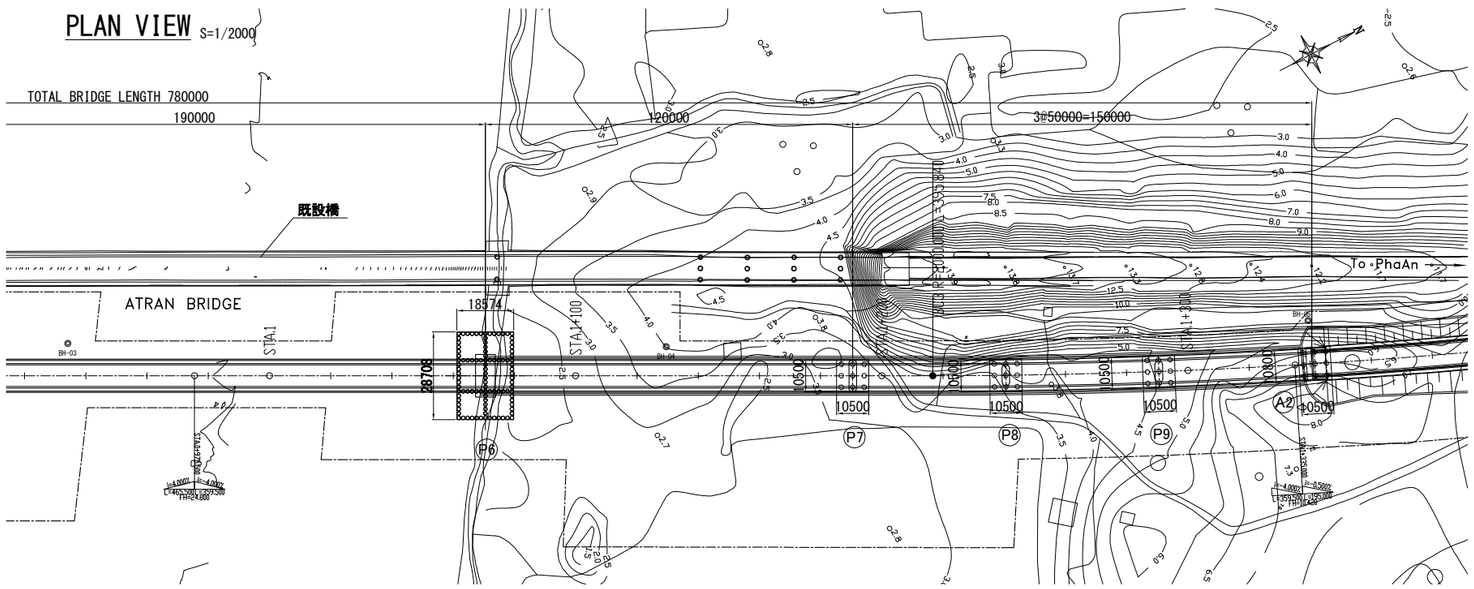
GENERAL VIEW
(ATRAN BRIDGE)

SIDE VIEW S=1/2000



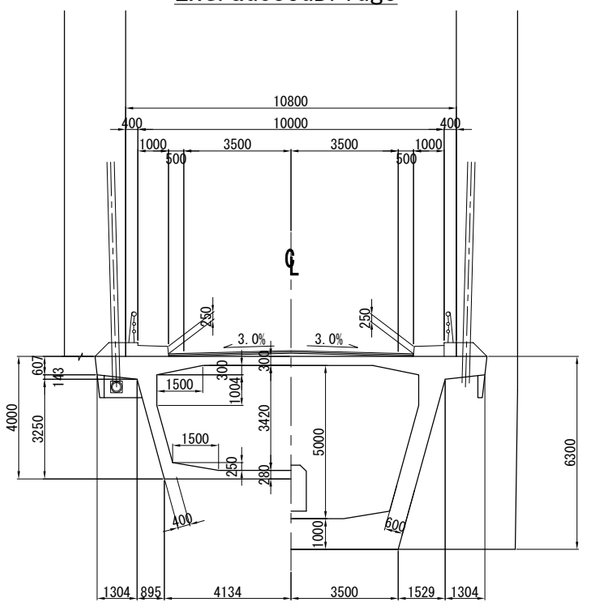


PLAN VIEW S=1/2000

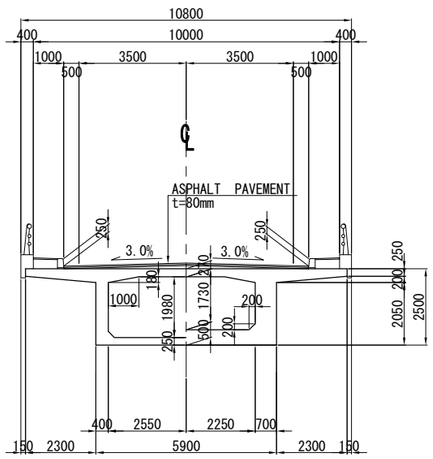


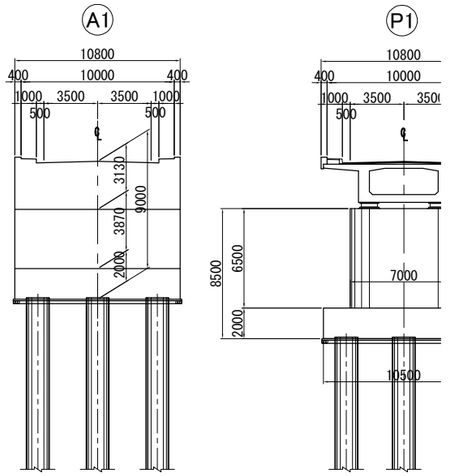
SUPERSTRUCTURE CROSS SECTION S=1/200

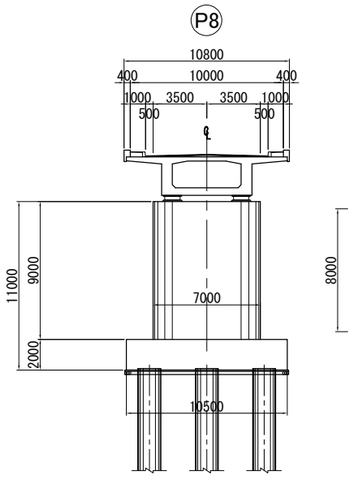
ExtradosedBridge

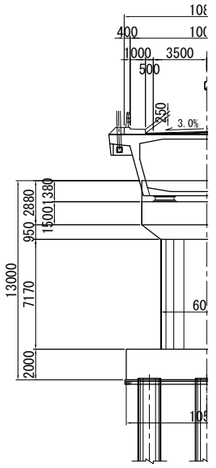


PCBox Girder



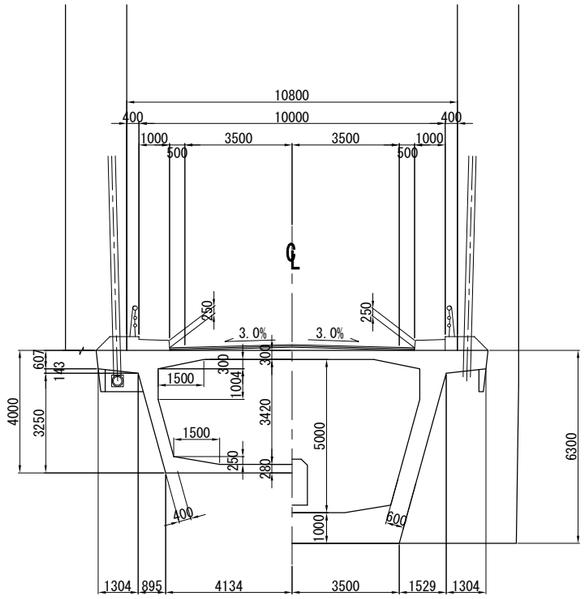




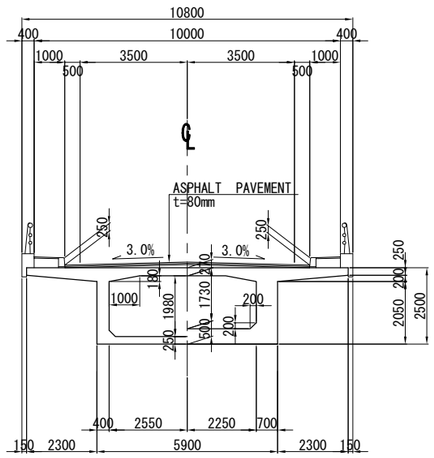


SUPERSTRUCTURE CROSS SECTION S=1/200

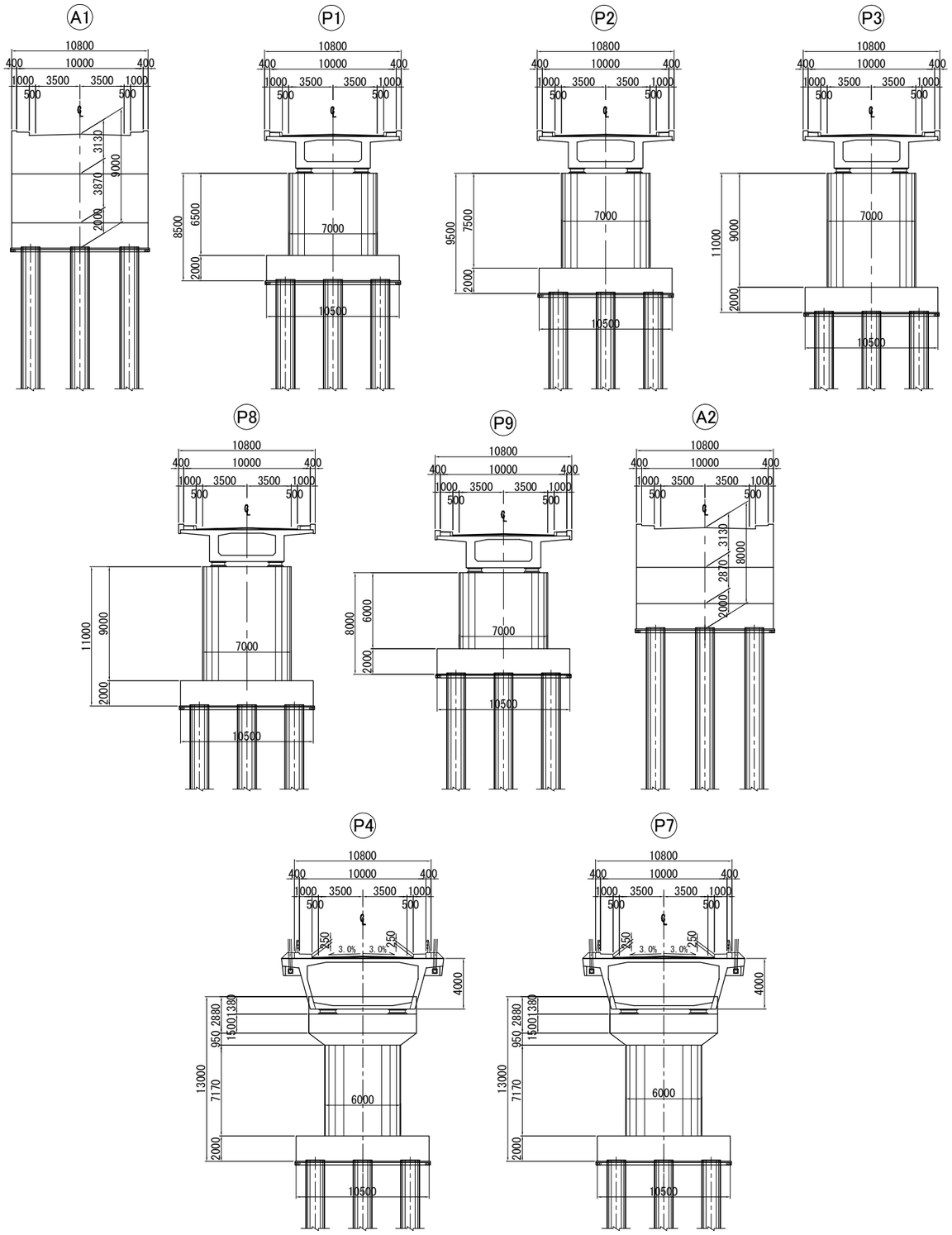
ExtradosedBridge

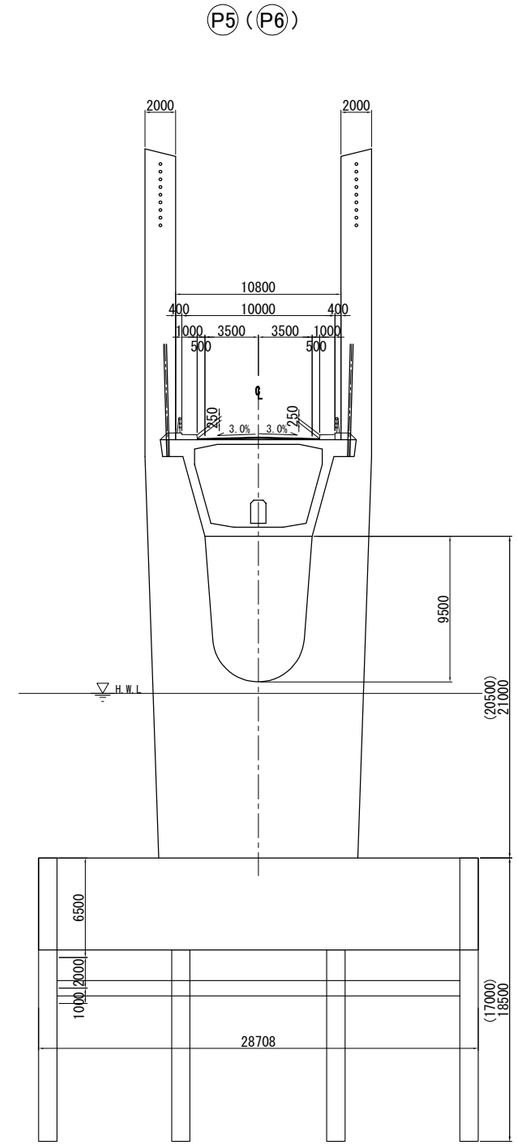


PCBox Girder



SUBSTRUCTURE FRONT VIEW S=1/200





※ Explanatory note

According to PWD, the pond around A1abutment can be backfilled since it belongs to PWD's property. However, it should be reconfirmed in DD stage.

THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION

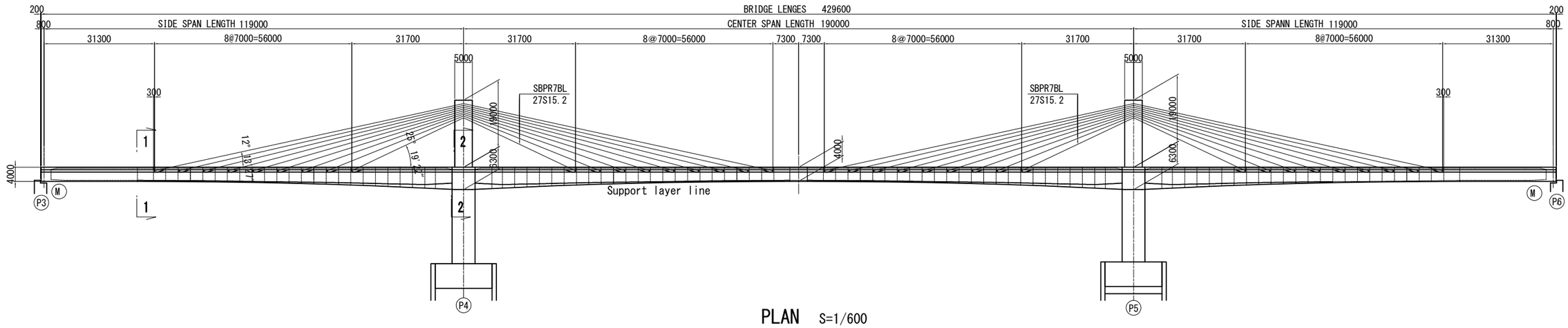
DRAWING TITLE	SCALE	AS SHOWN
GENERAL VIEW	DRAWING NO.	E-2
	SHEET NO.	

GENERAL PLAN OF SUPERSTRUCTURE(1)

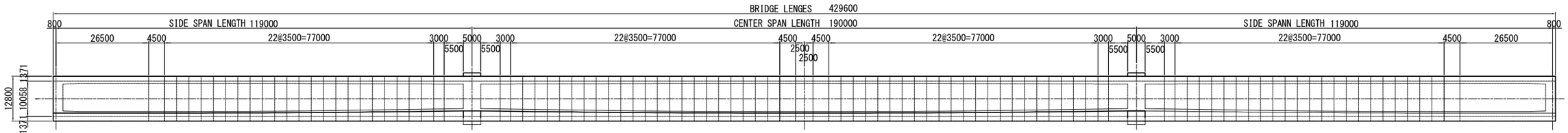
(ATRAN BRIDGE)

EXTRADOSED BRIDGE

SIDE VIEW S=1/1200

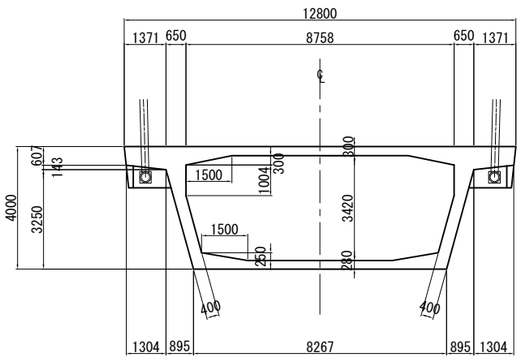


PLAN S=1/600

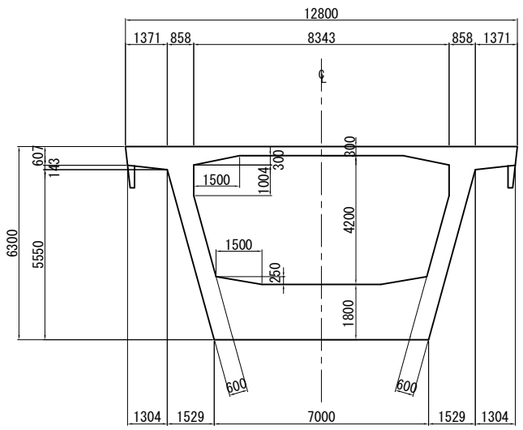


TYPICAL CROSS SECTION S=1/200

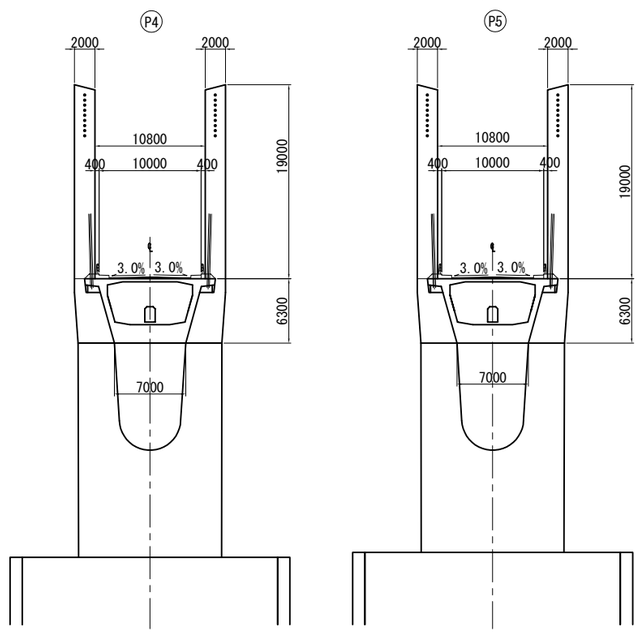
1 - 1



2 - 2



CROSS SECTION S=1/400



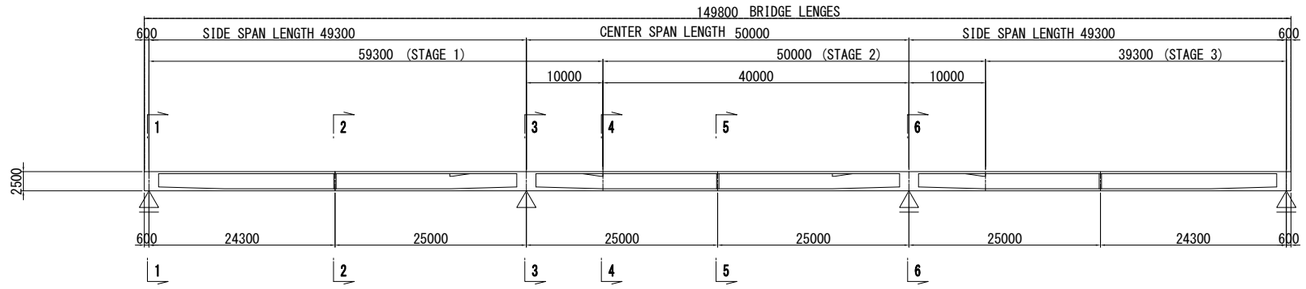
JAPAN INTERNATIONAL COOPERATION AGENCY	ORIENTAL CONSULTANTS GLOBAL CO., LTD	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION
REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	INTERNATIONAL DEVELOPMENT CENTER OF JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD		DRAWING TITLE: GENERAL PLAN OF SUPERSTRUCTURE(1) / SCALE: AS SHOWN / DRAWING NO.: E-3-1 / SHEET NO.:

GENERAL PLAN OF SUPERSTRUCTURE(2)

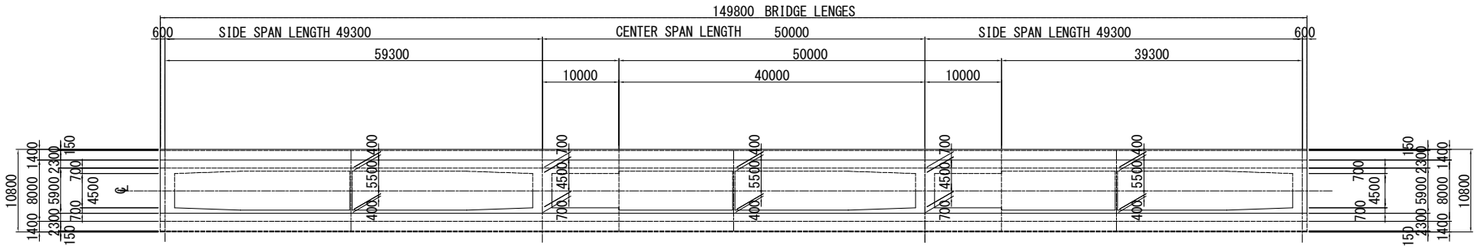
(ATRAN BRIDGE)

3 SPAN CONTINUOUS BOX GIRDER Br.

SIDE VIEW S = 1 : 400

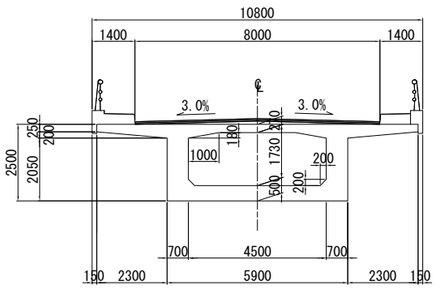


PLAN S = 1 : 400

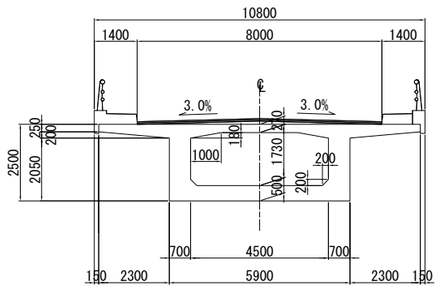


CROSS SECTIN S = 1 : 100

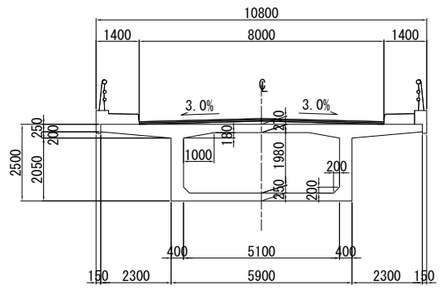
1 - 1



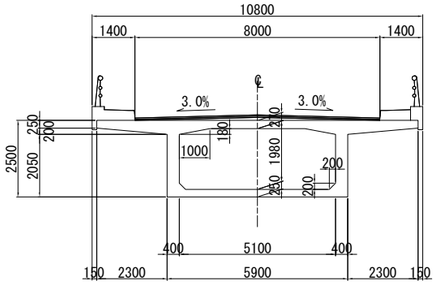
3 - 3



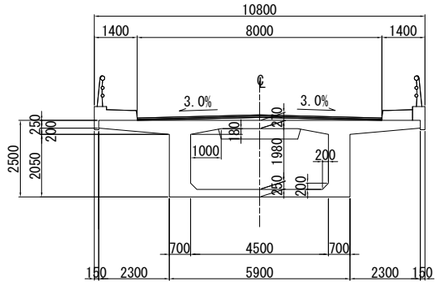
5 - 5



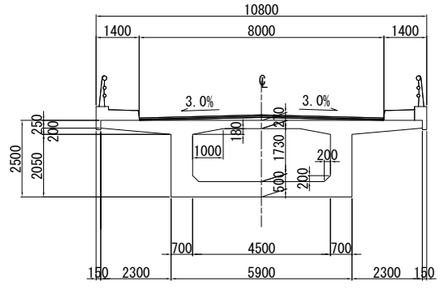
2 - 2



4 - 4



6 - 6



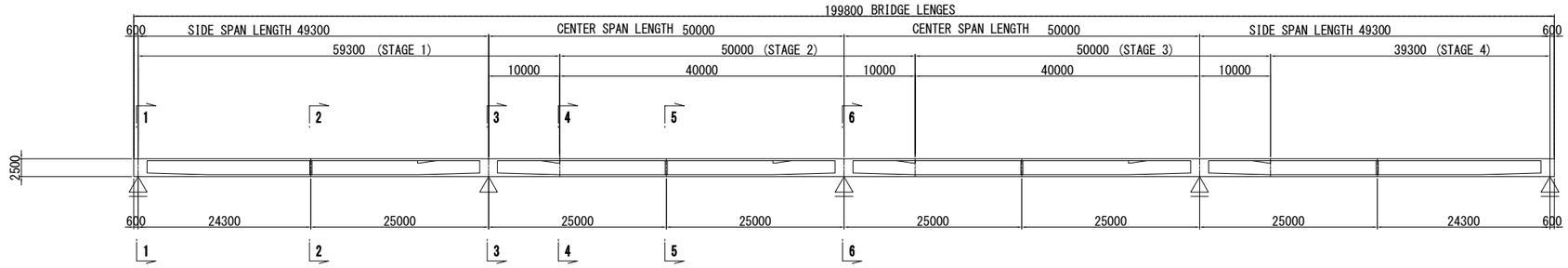
JAPAN INTERNATIONAL COOPERATION AGENCY REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	**ORIENTAL CONSULTANTS GLOBAL CO., LTD** **INTERNATIONAL DEVELOPMENT CENTER OF** JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION DRAWING TITLE: GENERAL PLAN OF SUPERSTRUCTURE(2) SCALE: AS SHOWN DRAWING NO.: E-3-2 SHEET NO.:

GENERAL PLAN OF SUPERSTRUCTURE(3)

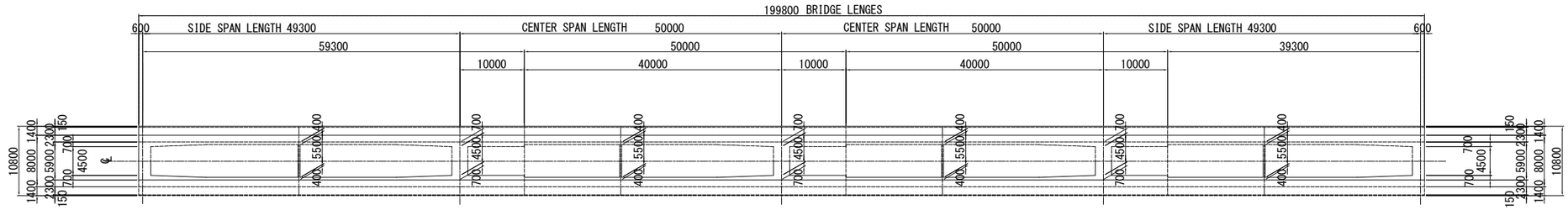
(ATRAN BRIDGE)

4 SPAN CONTINUOUS BOX GIRDER Br.

SIDE VIEW S = 1 : 400

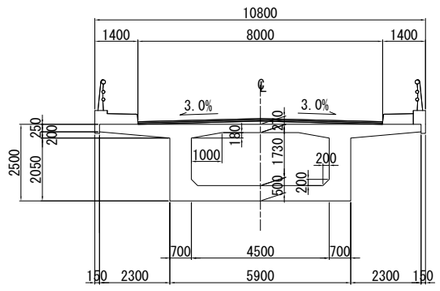


PLAN S = 1 : 400

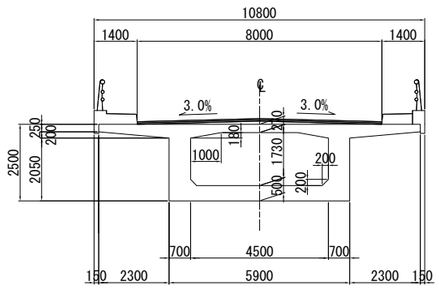


CROSS SECTIN S = 1 : 100

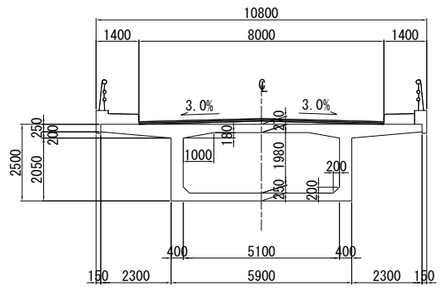
1 - 1



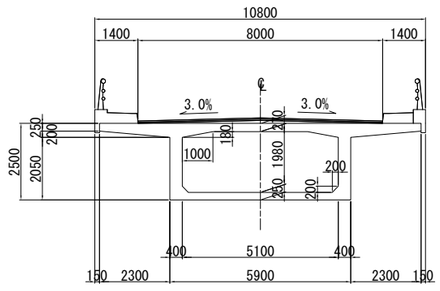
3 - 3



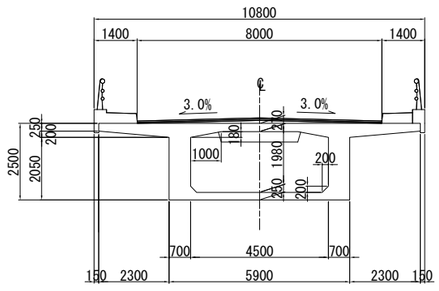
5 - 5



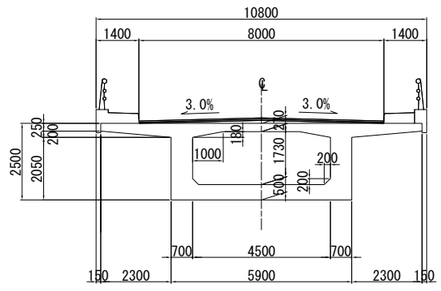
2 - 2



4 - 4



6 - 6



JAPAN INTERNATIONAL COOPERATION AGENCY REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	**ORIENTAL CONSULTANTS GLOBAL CO., LTD** **INTERNATIONAL DEVELOPMENT CENTER OF** JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION DRAWING TITLE: GENERAL PLAN OF SUPERSTRUCTURE(3) SCALE: AS SHOWN DRAWING NO.: E-3-3 SHEET NO.:

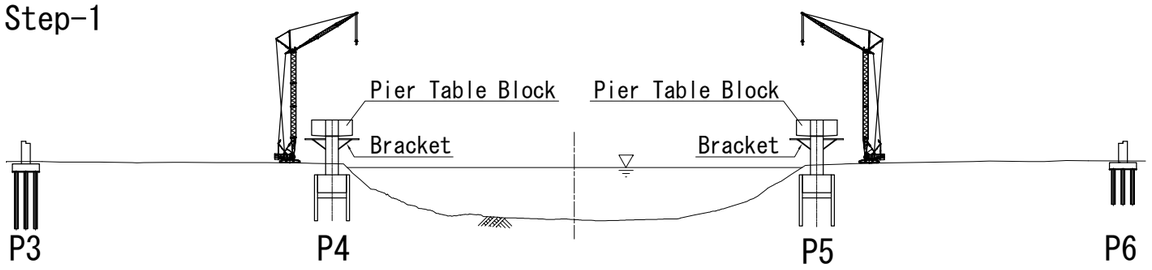
ERECTION PROCEDURE

S=1/2400

(ATRAN BRIDGE)

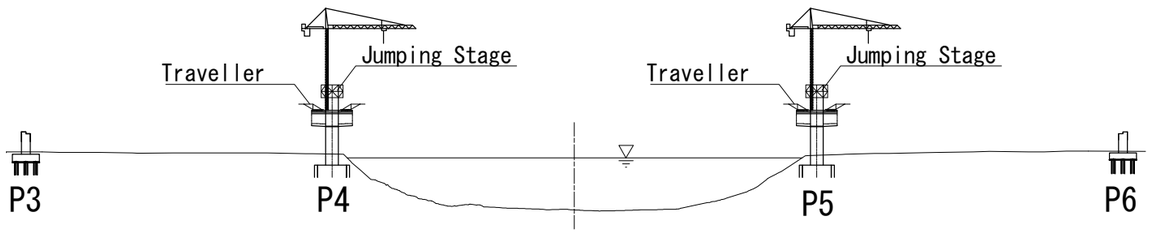
ATRAN BRIDGE ERECTION PROCEDURE

Step-1



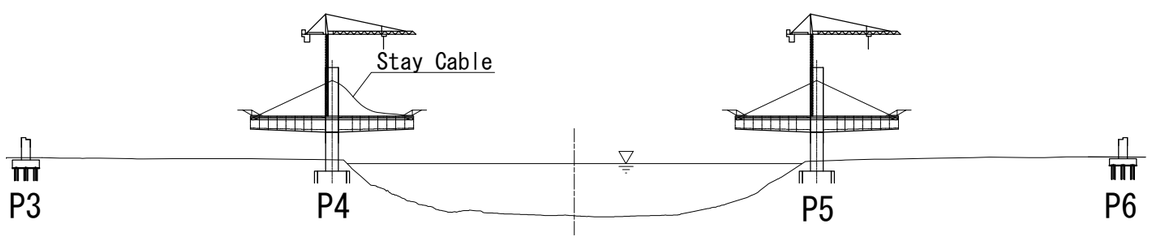
・Set temporary PC bar on the Pier top,and assemble bracket.
・Construct pier table on the bracket, and temporarily fixing the puer table and the pier.

Step-2



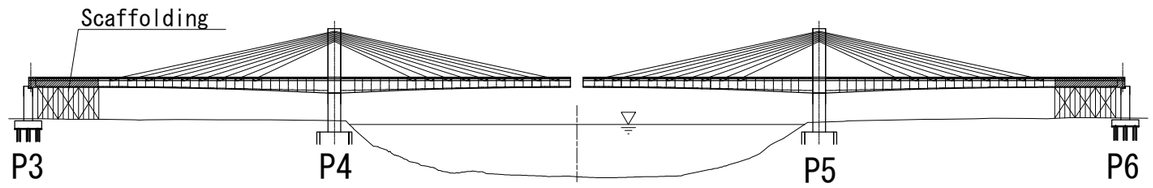
・Is carried out prior to the main girder constructed,erect the pylons.
・Assemble the traveller on the pier table

Step-3



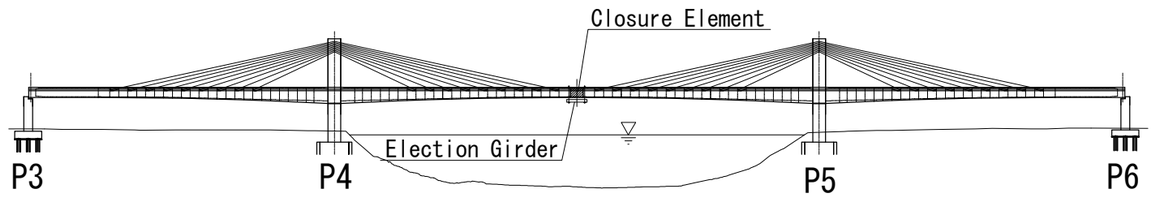
・Continue cantilever election to the first stay cable
・Assemble the first stay cable,and prestresing

Step-4



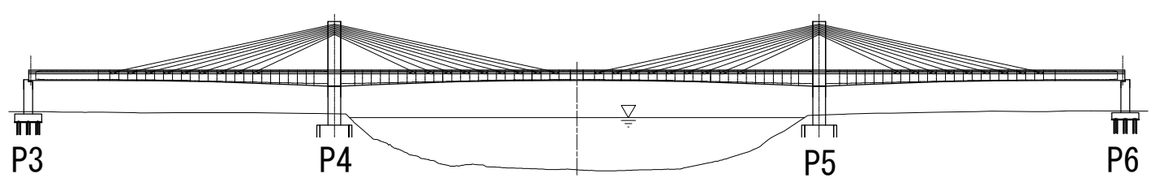
・At the extremities of the side spans,the bridge deck will be cast on scaffolding.

Step-5



・ Finally constract consure element on tha ellection gieder.

Step-6



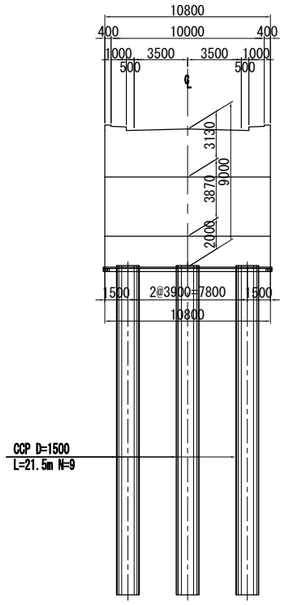
・Election is completed

JAPAN INTERNATIONAL COOPERATION AGENCY REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	**ORIENTAL CONSULTANTS GLOBAL CO., LTD** **INTERNATIONAL DEVELOPMENT CENTER OF** JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION DRAWING TITLE: ERECTION PROCEDURE SCALE: 1/2400 DRAWING NO.: E-4 SHEET NO.:

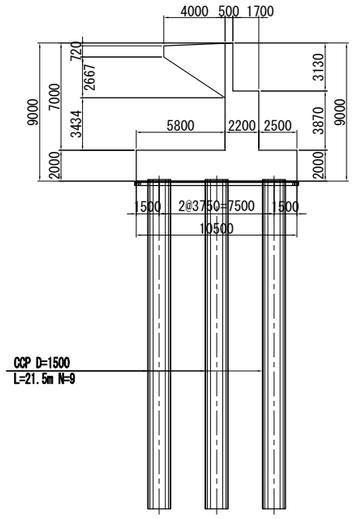
SUBSTRUCTURE AND FOUNDATION (1)
(ATRAN BRIDGE)

A1
Scale 1:400

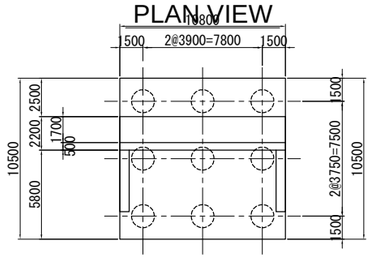
FRONT VIEW



SIDE VIEW

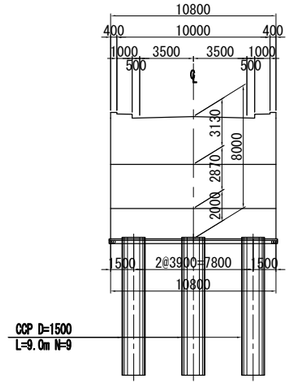


PLAN VIEW

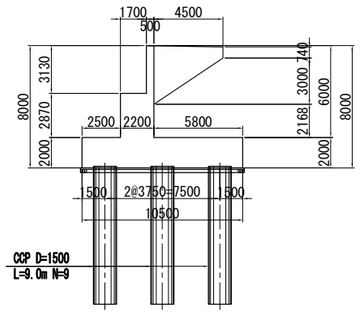


A2
Scale 1:400

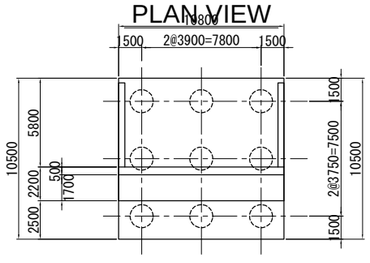
FRONT VIEW



SIDE VIEW



PLAN VIEW

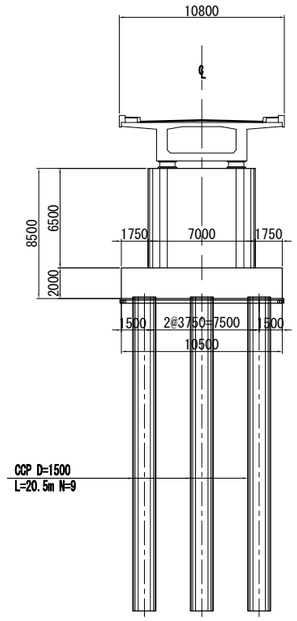


JAPAN INTERNATIONAL COOPERATION AGENCY	ORIENTAL CONSULTANTS GLOBAL CO., LTD INTERNATIONAL DEVELOPMENT CENTER OF JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION
REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION			DRAWING TITLE: SUBSTRUCTURE AND FOUNDATION (1) SCALE: 1/400 DRAWING NO.: E-5-1 SHEET NO.:

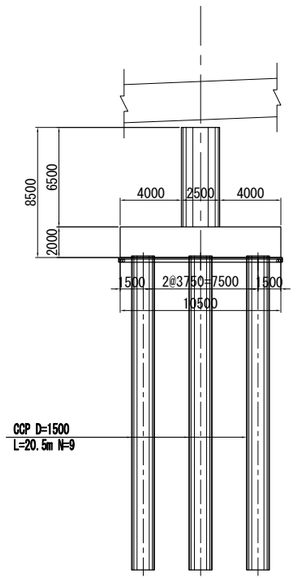
SUBSTRUCTURE AND FOUNDATION (2)
(ATRAN BRIDGE)

P1
Scale 1:400

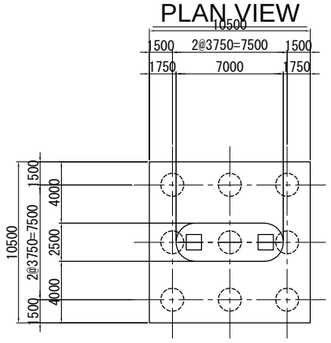
FRONT VIEW



SIDE VIEW

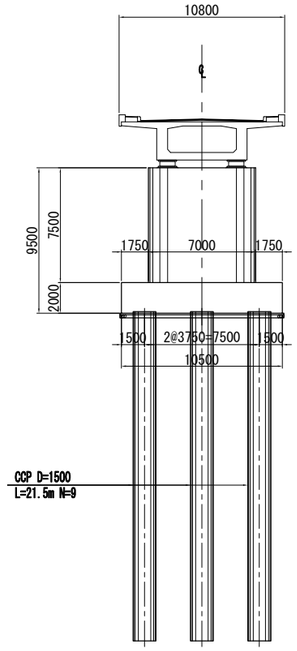


PLAN VIEW

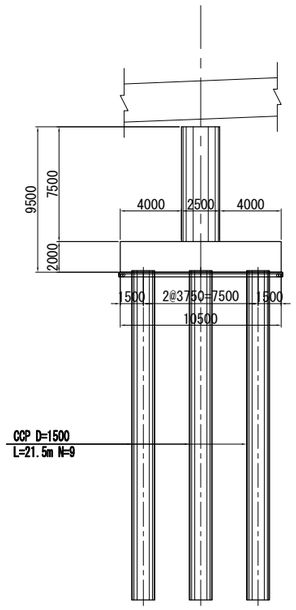


P2
Scale 1:400

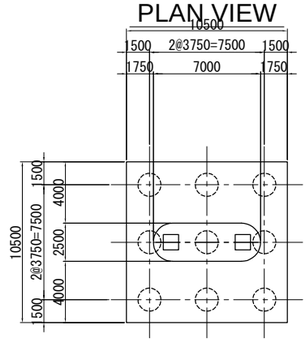
FRONT VIEW



SIDE VIEW

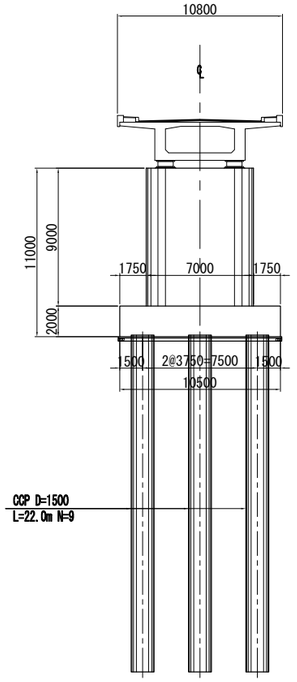


PLAN VIEW

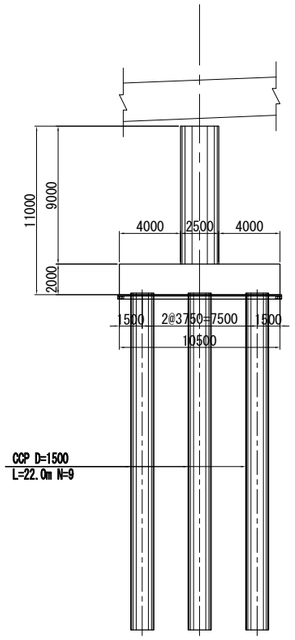


P3
Scale 1:400

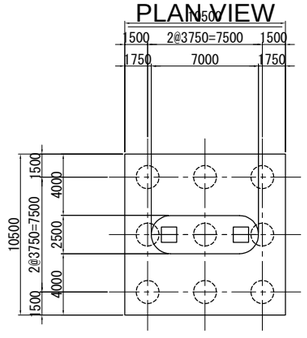
FRONT VIEW



SIDE VIEW



PLAN VIEW

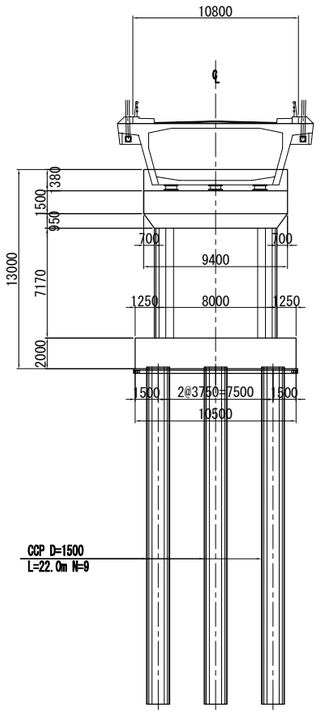


JAPAN INTERNATIONAL COOPERATION AGENCY	**ORIENTAL CONSULTANTS GLOBAL CO., LTD**	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION
REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	**INTERNATIONAL DEVELOPMENT CENTER OF** JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD		DRAWING TITLE: SUBSTRUCTURE AND FOUNDATION (2) SCALE: 1/400 DRAWING NO.: E-5-2 SHEET NO.:

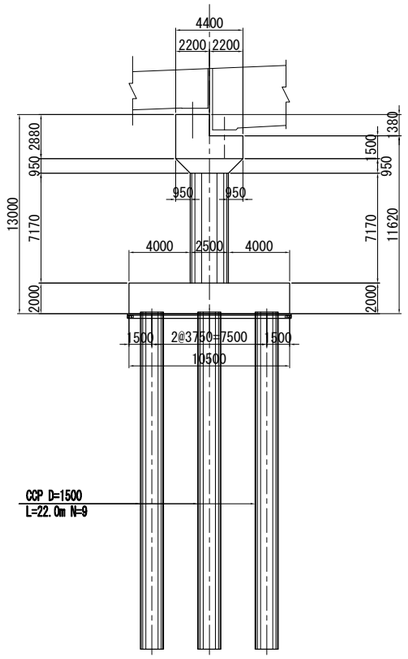
SUBSTRUCTURE AND FOUNDATION (3)
(ATRAN BRIDGE)

P4
Scale 1:400

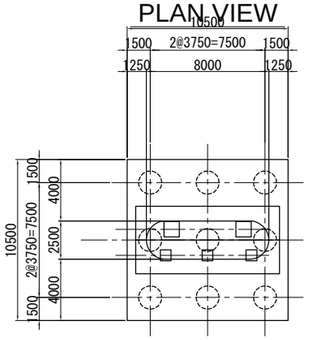
FRONT VIEW



SIDE VIEW

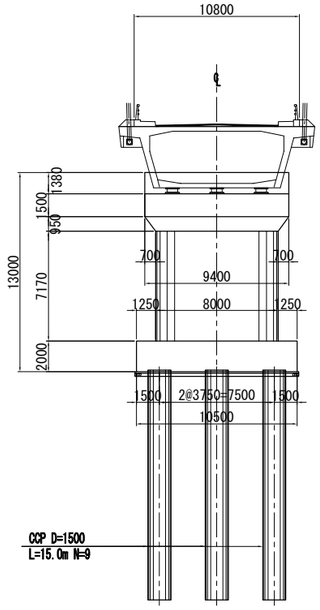


PLAN VIEW

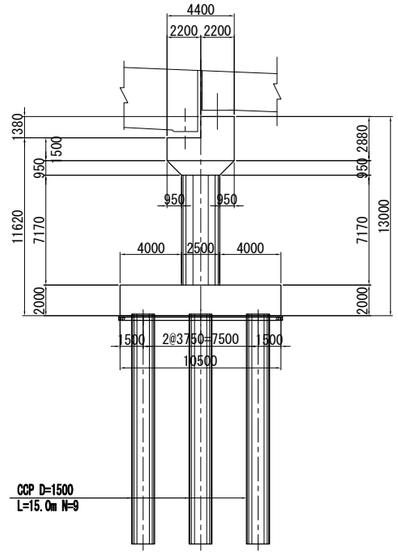


P7
Scale 1:400

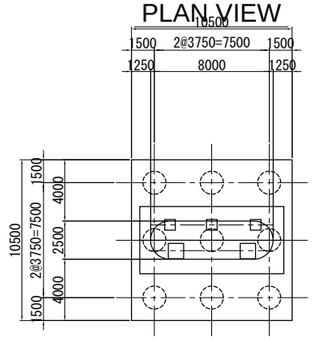
FRONT VIEW



SIDE VIEW



PLAN VIEW



JAPAN INTERNATIONAL COOPERATION AGENCY REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	**ORIENTAL CONSULTANTS GLOBAL CO., LTD** **INTERNATIONAL DEVELOPMENT CENTER OF** JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION DRAWING TITLE: SUBSTRUCTURE AND FOUNDATION (3) SCALE: 1/400 DRAWING NO.: E-5-3 SHEET NO.:

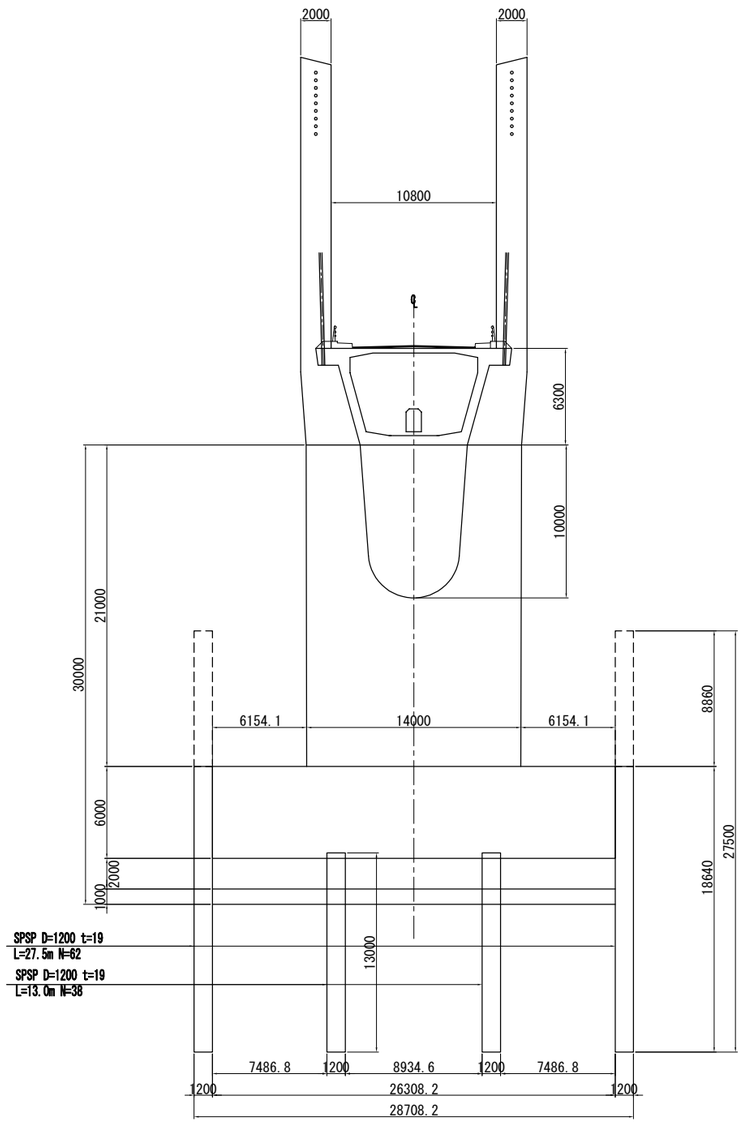
SUBSTRUCTURE AND FOUNDATION (4)

(ATRAN BRIDGE)

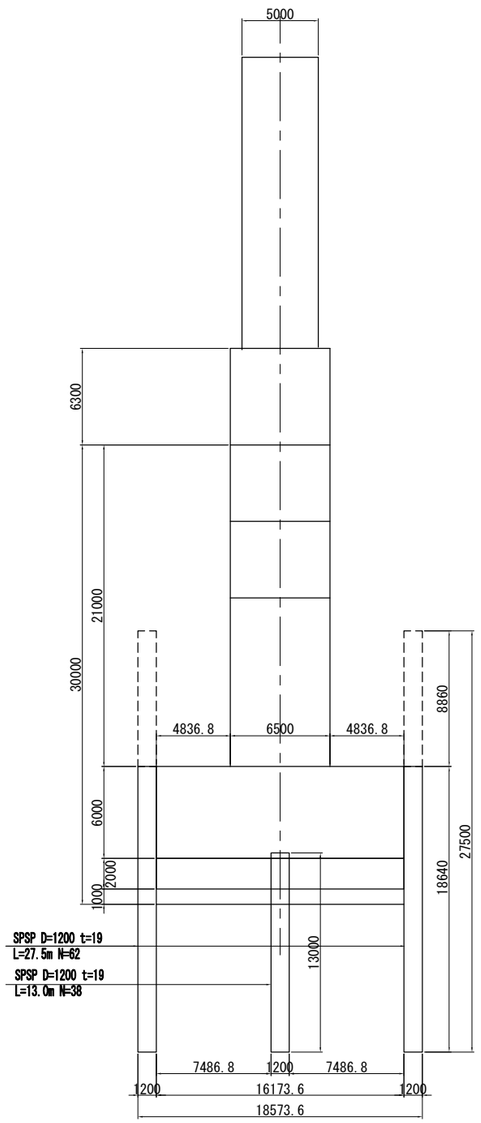
P5

Scale 1:400

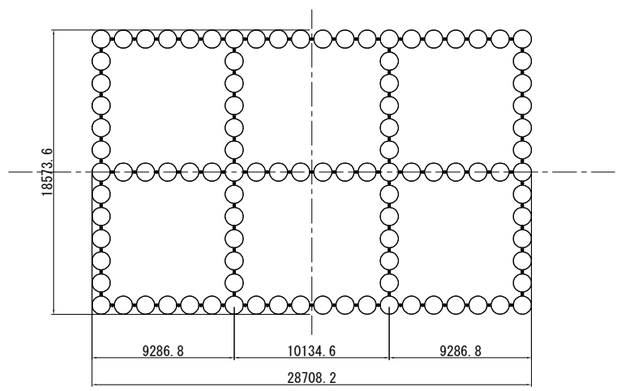
FRONT VIEW



SIDE VIEW



PLAN VIEW

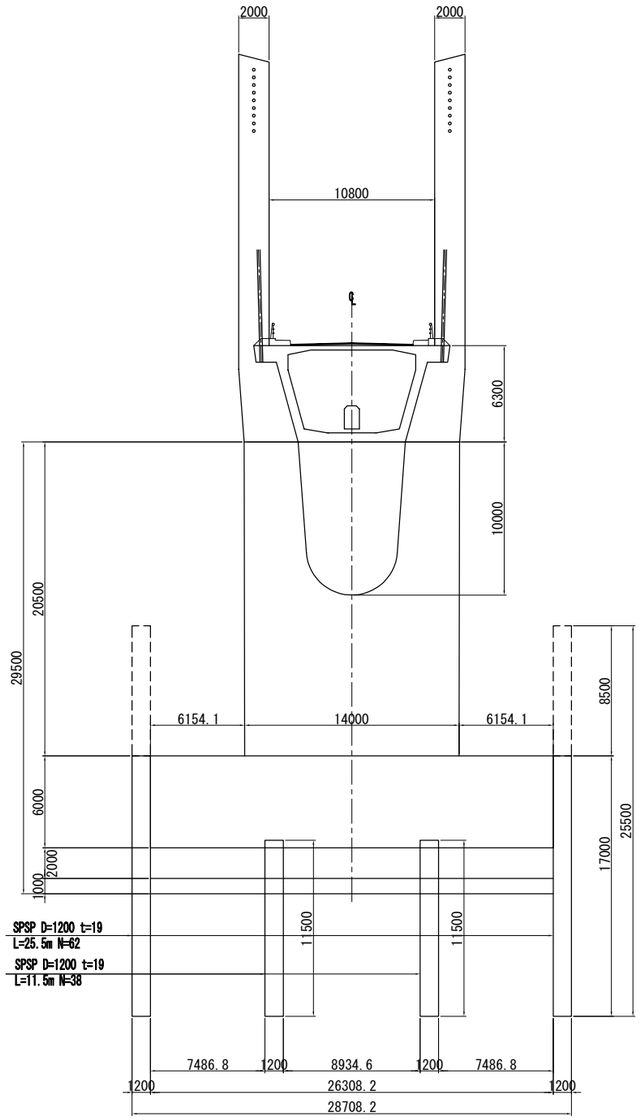


JAPAN INTERNATIONAL COOPERATION AGENCY REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	**ORIENTAL CONSULTANTS GLOBAL CO., LTD** **INTERNATIONAL DEVELOPMENT CENTER OF** JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION DRAWING TITLE: SUBSTRUCTURE AND FOUNDATION (4) SCALE: 1/400 DRAWING NO.: E-5-4 SHEET NO.:

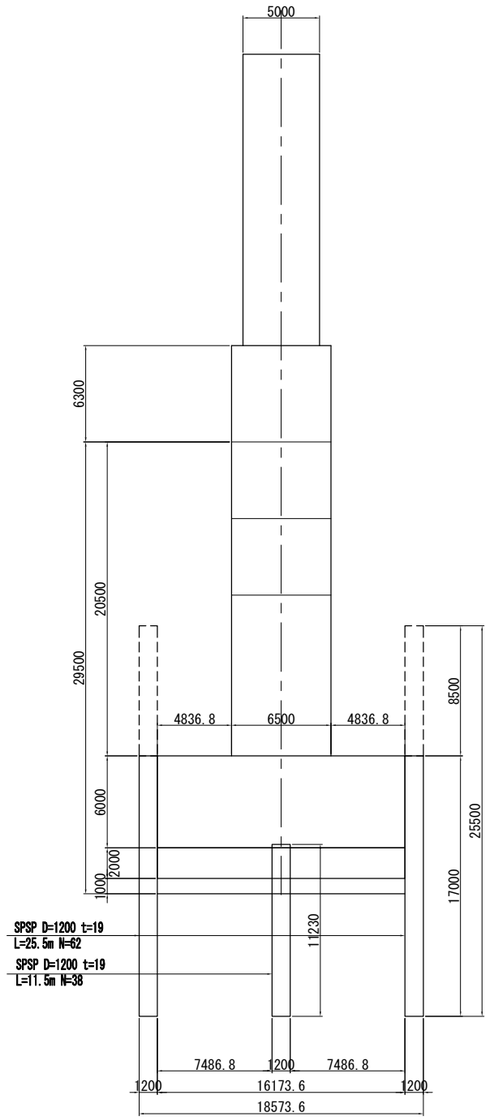
SUBSTRUCTURE AND FOUNDATION (5)
(ATRAN BRIDGE)

P6
Scale 1:400

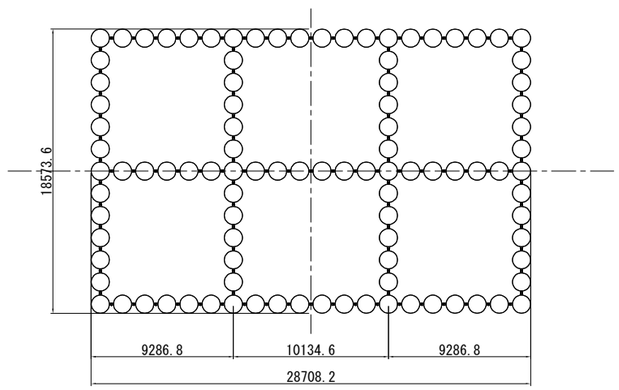
FRONT VIEW



SIDE VIEW



PLAN VIEW

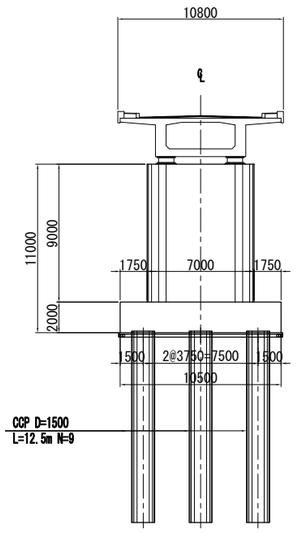


JAPAN INTERNATIONAL COOPERATION AGENCY REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	**ORIENTAL CONSULTANTS GLOBAL CO., LTD** **INTERNATIONAL DEVELOPMENT CENTER OF** JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION DRAWING TITLE: SUBSTRUCTURE AND FOUNDATION (5) SCALE: 1/400 DRAWING NO.: E-5-5 SHEET NO.:

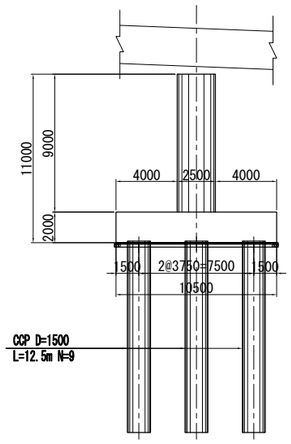
SUBSTRUCTURE AND FOUNDATION (6)
(ATRAN BRIDGE)

P8
Scale 1:400

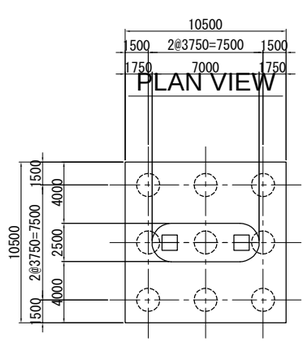
FRONT VIEW



SIDE VIEW

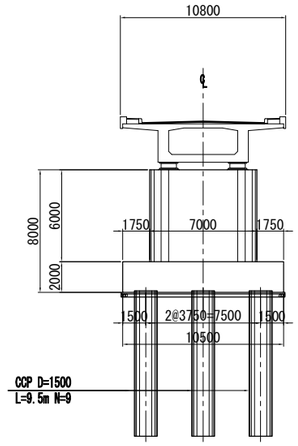


PLAN VIEW

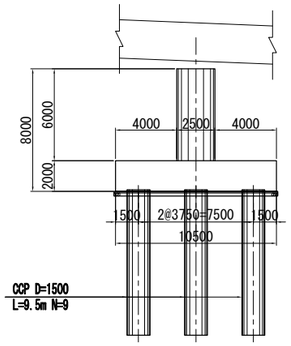


P9
Scale 1:400

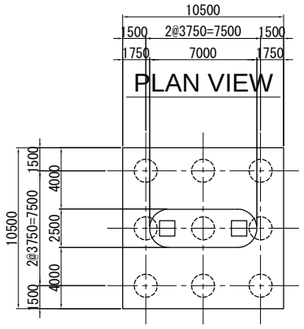
FRONT VIEW



SIDE VIEW



PLAN VIEW

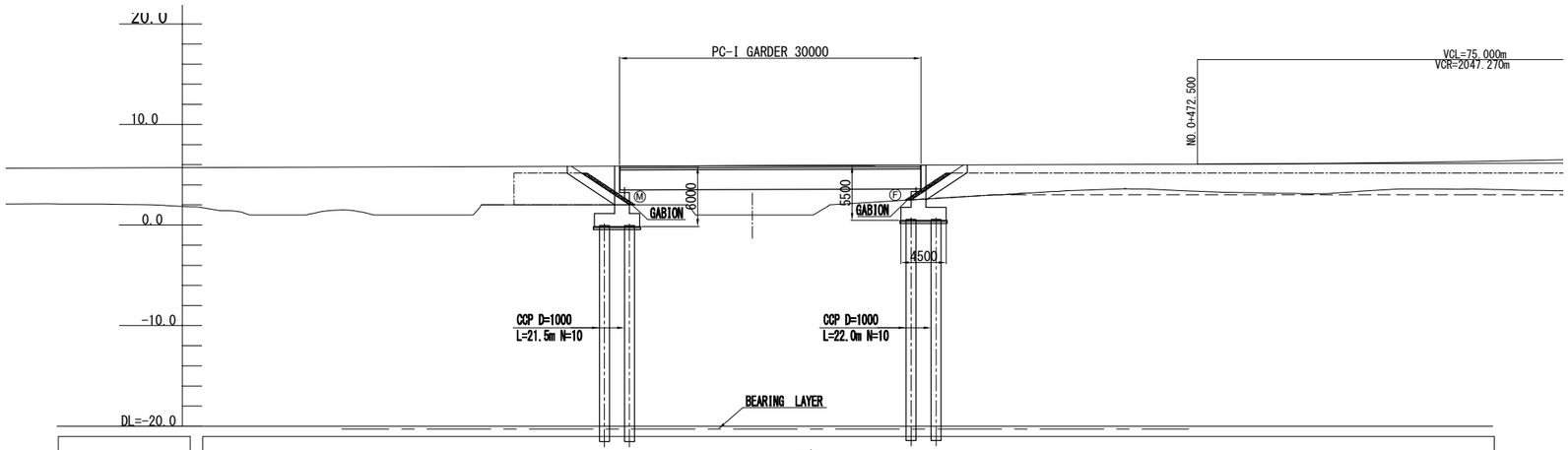


JAPAN INTERNATIONAL COOPERATION AGENCY	**ORIENTAL CONSULTANTS GLOBAL CO., LTD**	REMARKS	THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION
REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION	**INTERNATIONAL DEVELOPMENT CENTER OF** JAPAN INCORPORATED CTI ENGINEERING INTERNATIONAL CO., LTD NIPPON KOEI CO., LTD		DRAWING TITLE: SUBSTRUCTURE AND FOUNDATION (6) SCALE: 1/400 DRAWING NO.: E-5-6 SHEET NO.:

No.0+430 BRIDGE GENERAL VIEW

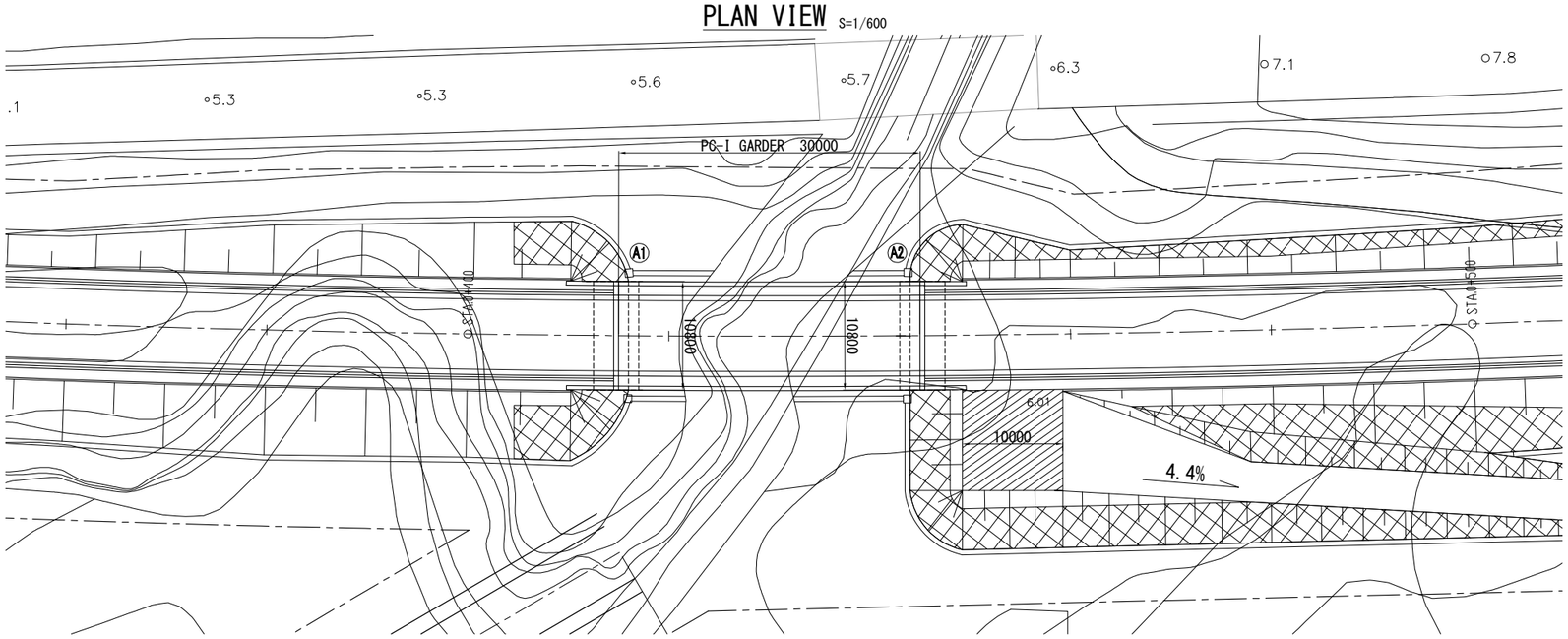
(ATRAN BRIDGE)

SIDE VIEW S=1/600

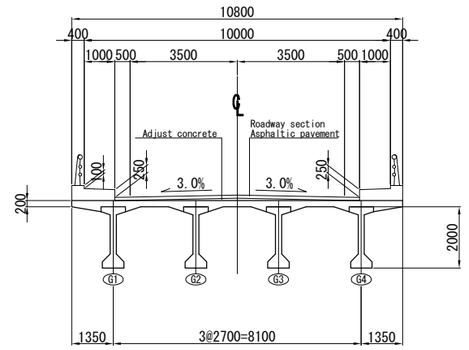


GRADIENT	i=0.337% L=410.000m							
PROPOSED HEIGHT	5.742	5.810	5.860	5.877	5.944	5.961	6.012	6.093	6.331
GROUND HEIGHT	1.000	1.000	2.013	2.004	2.250	2.556	3.420	3.156	3.571
DISTANCE	0.000	20.000	15.000	5.000	20.000	5.000	20.000	20.000	20.000
STATION	0+380.000	+400.000	A1 +415.000	+420.000	+440.000	A2 +445.000	+460.000	+480.000	+500.000
CURVE ELEMENT	R=2000.000 L=446.104								

PLAN VIEW S=1/600



SUPERSTRUCTURE CROSS SECTION S=1/100



DESIGN CONDITION

TOTAL BRIDGE LENGTH	30.000m
GIRDER LENGTH	29.800m
SPAN	29.000m
WIDH	10.000m
SPECIAL LOAD SNOW	---
ANGEL OF SKEW	90° 00′00″
RADIUS OF CURVATURE	R=∞
LONGITUDINAL SLOPE	0.337%
COMPRESSIVE STRENGTH	Main Girder:σck=50N/mm2
	Floor Slab :σck=30N/mm2

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NIPPON KOEI CO., LTD

REMARKS

THE PROJECT FOR STRENGTHENING CONNECTIVITY OF INTERNATIONAL HIGHWAY IN MEKONG REGION

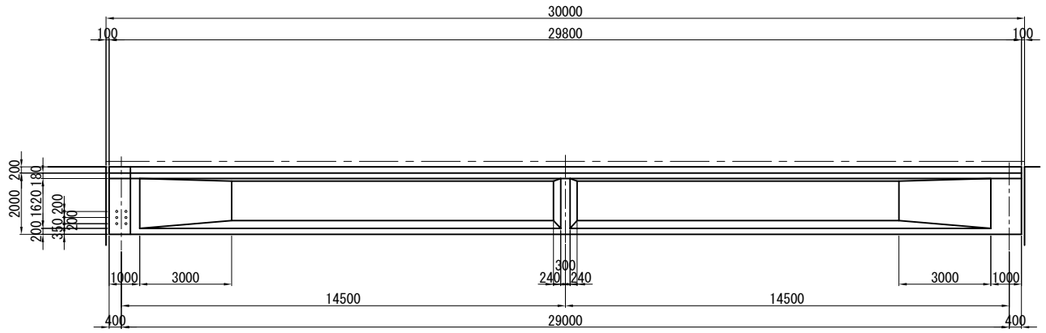
DRAWING TITLE: No.0+430 BRIDGE GENERAL VIEW

SCALE	AS SHOWN
DRAWING NO.	E-6
SHEET NO.	

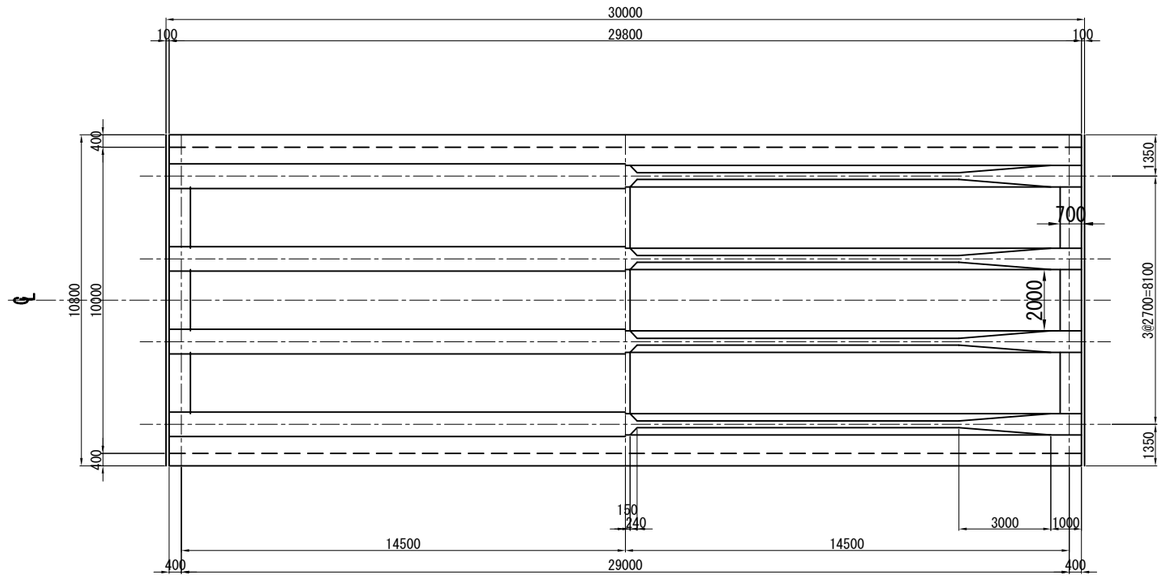
GENERAL PLAN OF SUPERSTRUCTURE (PC-I GIRDER)

(ATRAN BRIDGE 0+430)

SIDE VIEW S=1/200

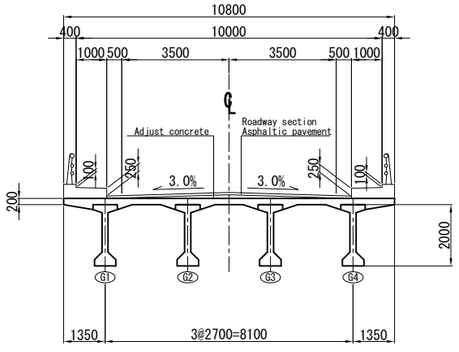


PLAN VIEW S=1/200

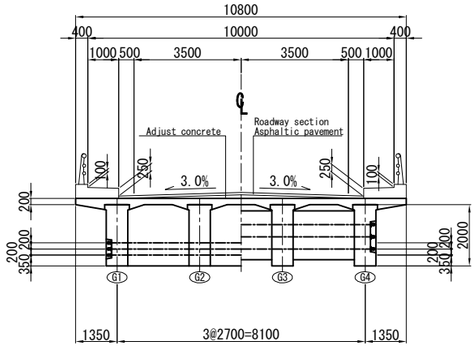


CROSS SECTION S=1/200

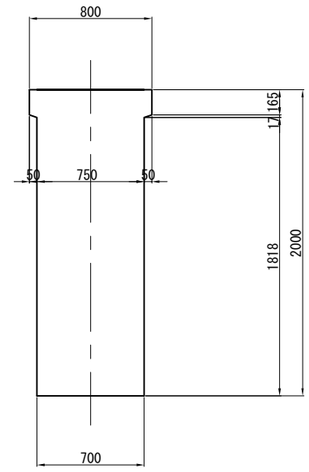
TYPICAL SECTION



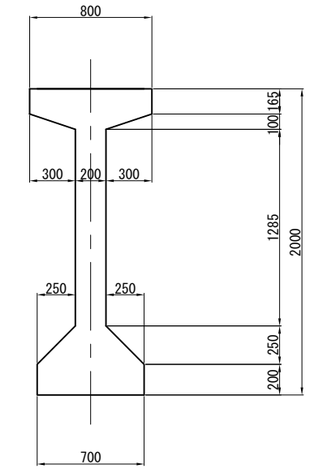
CROSSBEAM SECTION



MAIN GIRDER END CROSS SECTION S=1/40



MAIN GIRDER TYPICAL CROSS SECTION S=1/40



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REMARKS

THE PROJECT FOR STRENGTHENING CONNECTIVITY
OF INTERNATIONAL HIGHWAY IN MEKONG REGION

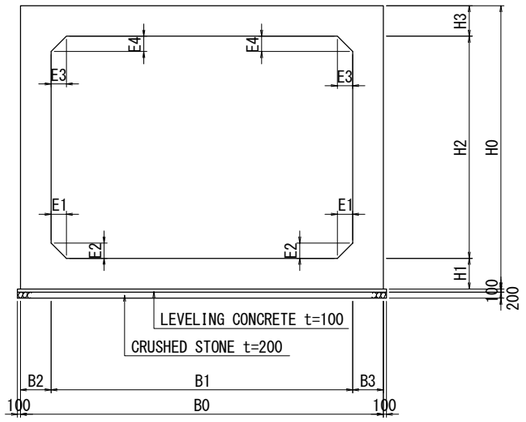
DRAWING TITLE
GENERAL PLAN OF SUPERSTRUCTURE (PC-I GIRDER)

SCALE	AS SHOWN
DRAWING NO.	E-7
SHEET NO.	

GENERAL STRUCTURE OF BOX CULVERT

TYPICAL CROSS SECTION

1BOX



DIMENSIONS TABLE

UNIT:m

	GK-3×3		GK-6×3.5		GZ-3×3		AT-5×3					
	起点	终点	起点	终点	起点	终点	起点	终点				
B0	3.800	3.800	7.200	7.200	3.800	3.800	6.000	6.000				
B1	3.000	3.000	6.000	6.000	3.000	3.000	5.000	5.000				
B2	0.400	0.400	0.600	0.600	0.400	0.400	0.500	0.500				
B3	0.400	0.400	0.600	0.600	0.400	0.400	0.500	0.500				
H0	3.900	3.900	4.600	4.600	3.900	3.900	4.000	4.000				
H1	0.500	0.500	0.600	0.600	0.500	0.500	0.500	0.500				
H2	3.000	3.000	3.500	3.500	3.000	3.000	3.000	3.000				
H3	0.400	0.400	0.500	0.500	0.400	0.400	0.500	0.500				
E1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
E2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
E3	0.200	0.200	0.300	0.300	0.200	0.200	0.200	0.200				
E4	0.200	0.200	0.300	0.300	0.200	0.200	0.200	0.200				
L	38.700		29.300		16.000		19.000					

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OF INTERNATIONAL HIGHWAY IN MEKONG REGION

DRAWING TITLE
GENERAL STRUCTURE OF BOX CULVERT

SCALE: FREE
DRAWING NO.: E-8
SHEET NO.: