

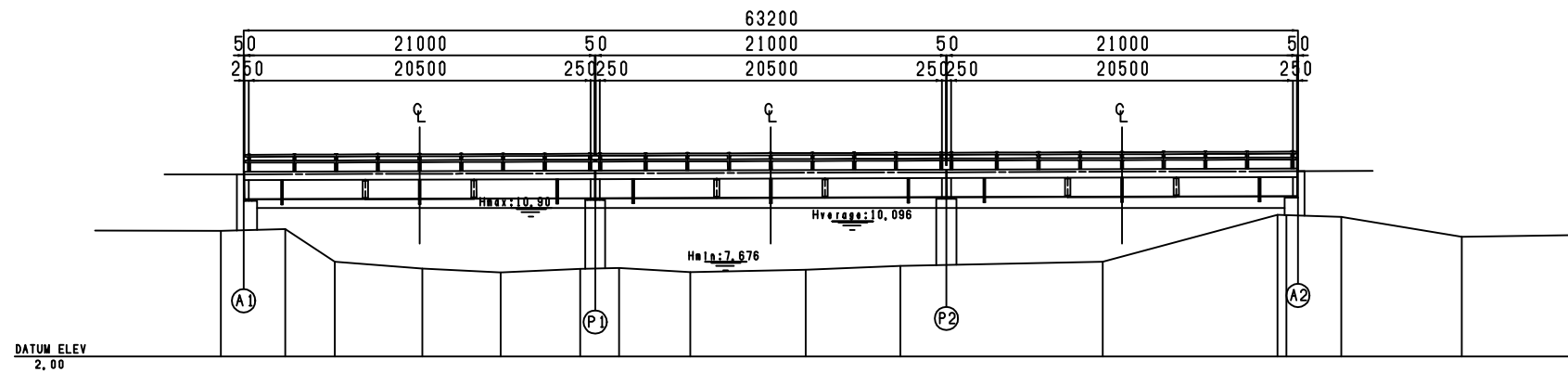
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	T. FURUKAWA	H. ENDOU	DZUNG
SIGNATURE			
DATE			

Br. No. 42 TUAN TU BRIDGE

(General View of the Bridge)

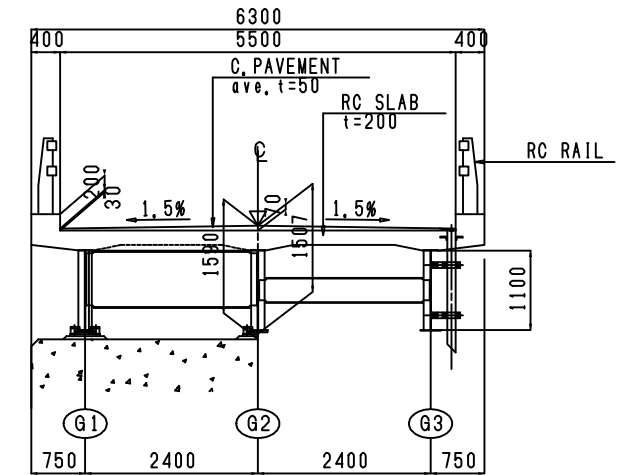
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	TT-	OF
DRAWING TITLE	Br. No. 42 General View of the Bridge		
REV. NO	DATE	DESCRIPTION	SIGNATURE

PROFILE
SCALE=1/400

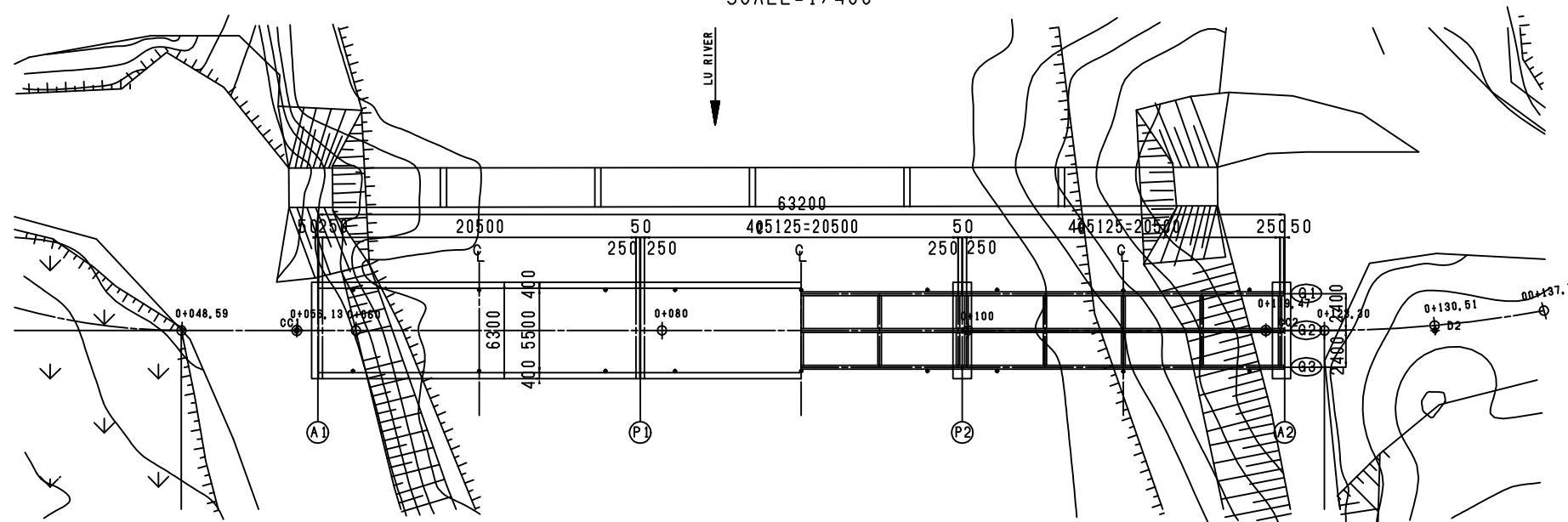


GRADE	12.91 ↘ 1:0.3% 13.100																		
PROPOSED HIGHT	12.91		12.942		12.973		13.005		13.036	13.100									
GROUND HIGHT	9.52	9.63	7.67	7.26	7.03	7.24	7.30	7.05	7.19	7.67	10.48								
DISTANCE	0+56.13	0+57.50	0+60.00	0+62.96	0+68.05	0+68.21	0+72.90	0+77.66	0+78.975	0+80.00	0+84.27	0+88.10	0+91.20	0+96.86	0+99.025	0+109.00	0+110.16	0+119.47	0+120.70
MARKER	A1		CL1		P1		CL2		P2		CL3		A2						

SECTION
SCALE=1/100



PLAN
SCALE=1/400



DESIGN CRITERIA

General Condition		
Design Speed	V=25km/h	
Bridge Length (Span Length)	63,2m (20,5m+20,5m+20,5m)	
Clear Width	5,5m	
Longitudinal Gradient	0,3%	
Cross-fall of Carriage way	1,50%	
Super Structure Type	Steel	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe #406,4mm	
Material Strength		
Super Structure Type	Girder	σs=210N/mm ²
	Cross Beam	σs=140N/mm ²
	Slab	σs=30N/mm ²
Surface	C, Pavement	σs=5cm
	Curb, Wall	σs=30N/mm ²
Sub Structure Type	σs=20N/mm ²	
Reinforcing Steel	SD295 (py=300N/mm ²)	

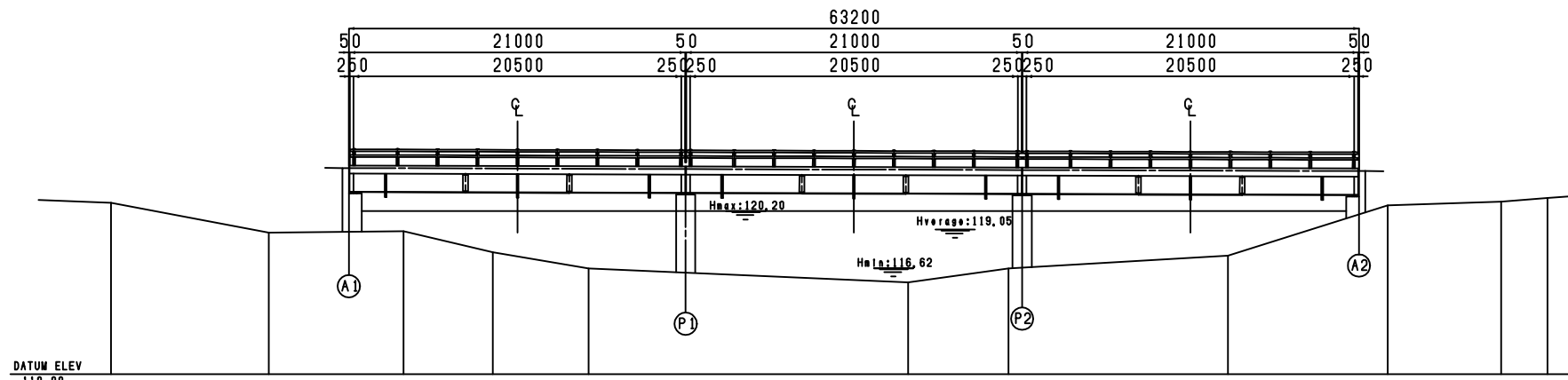
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	Y. FUKUKAWA	N. ENDOU	DZUNG
SIGNATURE			
DATE			

Br. No. 45 CAU GAY BRIDGE

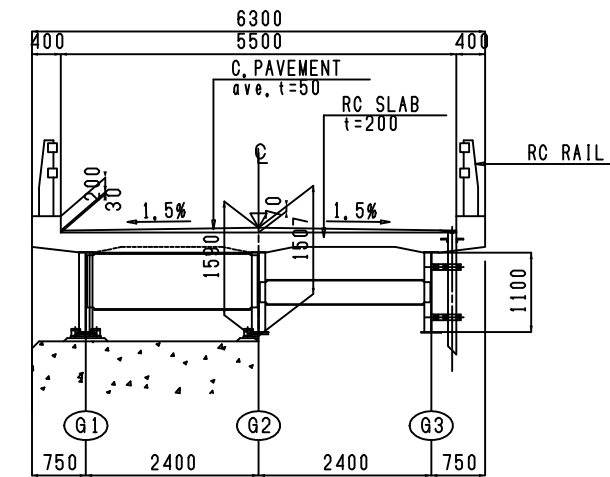
(General View of the Bridge)

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	CG-	01
DRAWING TITLE	Br. No. 45 General View of the Bridge		
REV. NO	DATE	DESCRIPTION	SIGNATURE

PROFILE
SCALE=1/400

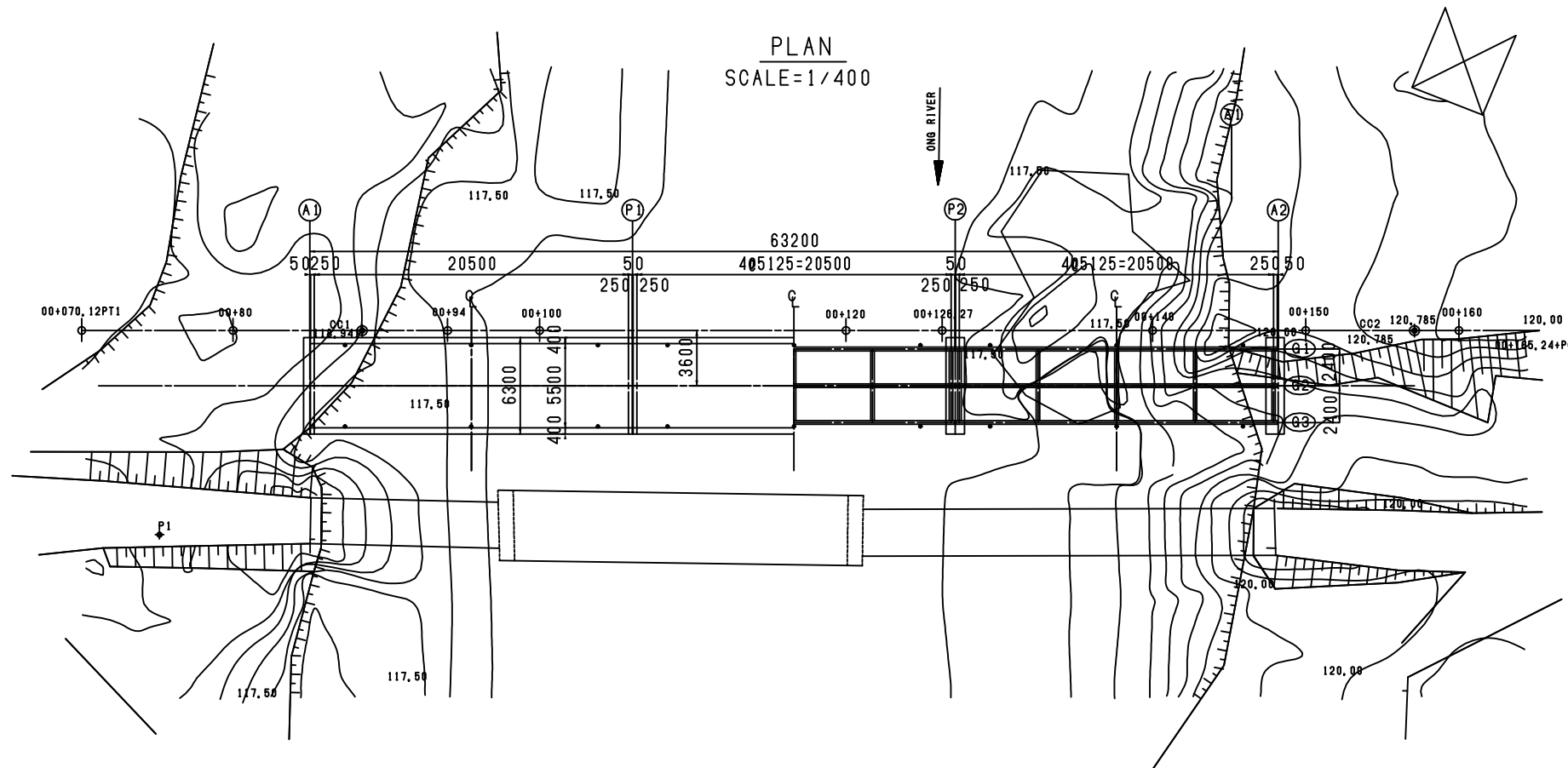


SECTION
SCALE=1/100



GRADE	122.900 ———— 1=0.3% ———— 122.71											
PROPOSED HIGHT	122.800		122.868		122.836		122.805	122.742	122.71			
GROUND HIGHT		118.94	117.62	116.62	122.836	116.62	115.74	117.42	120.56			
DISTANCE	0+85.00	0+88.42	0+94.00	0+95.65	0+100.00	0+106.07	0+116.60	0+120.00	0+137.65	0+140.00	0+148.20	0+150.00
MARKER	A1		CL1		P1		CL2		P2		CL3	A2

PLAN
SCALE=1/400



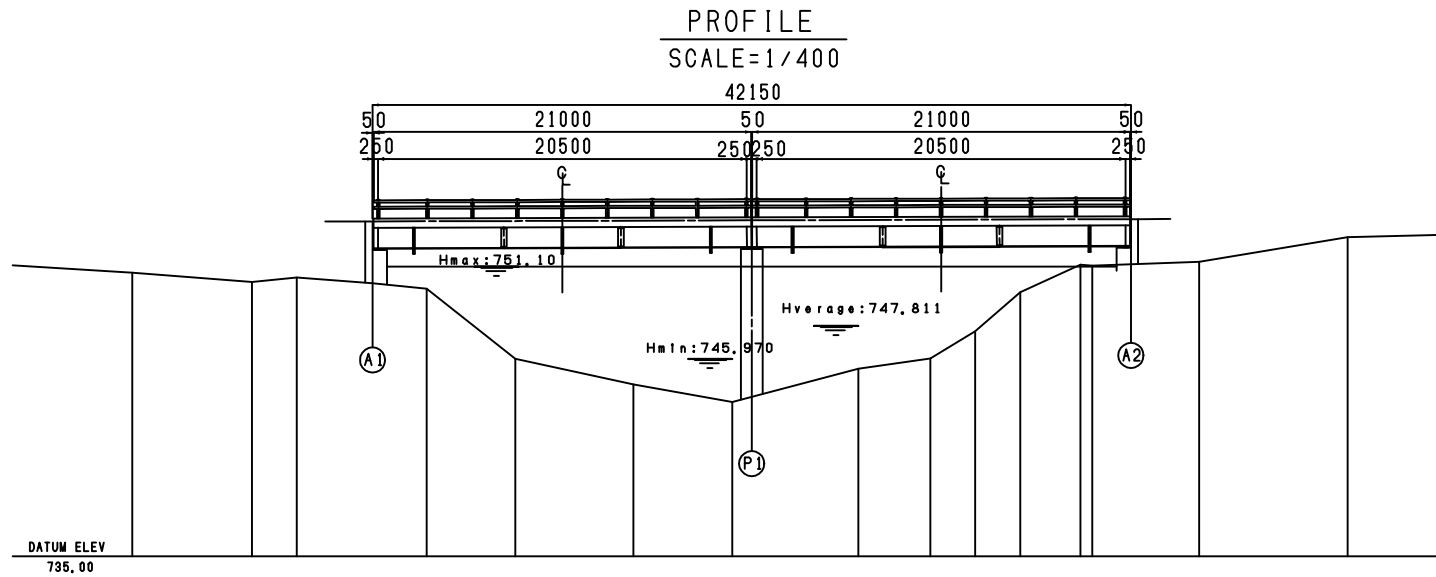
DESIGN CRITERIA

General Condition	
Design Speed	V=25km/h
Bridge Length (Span Length)	63.2m (20.5m+20.5m+20.5m)
Clear Width	5.5m
Longitudinal Gradient	0.3%
Cross-fall of Carriage way	1.50%
Super Structure Type	Steel
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe φ406, 4mm
Material Strength	
Super Structure Type	Girder: σ _a =210N/mm ² Cross Beam: σ _a =140N/mm ² Slab: σ _a =28=30N/mm ²
Surface	C. Pavement: ave. t=5cm Curb, Wall: σ _a =28=30N/mm ²
Sub Structure Type	σ _a =28=20N/mm ²
Reinforcing Steel	SD295 (fy=300N/mm ²)

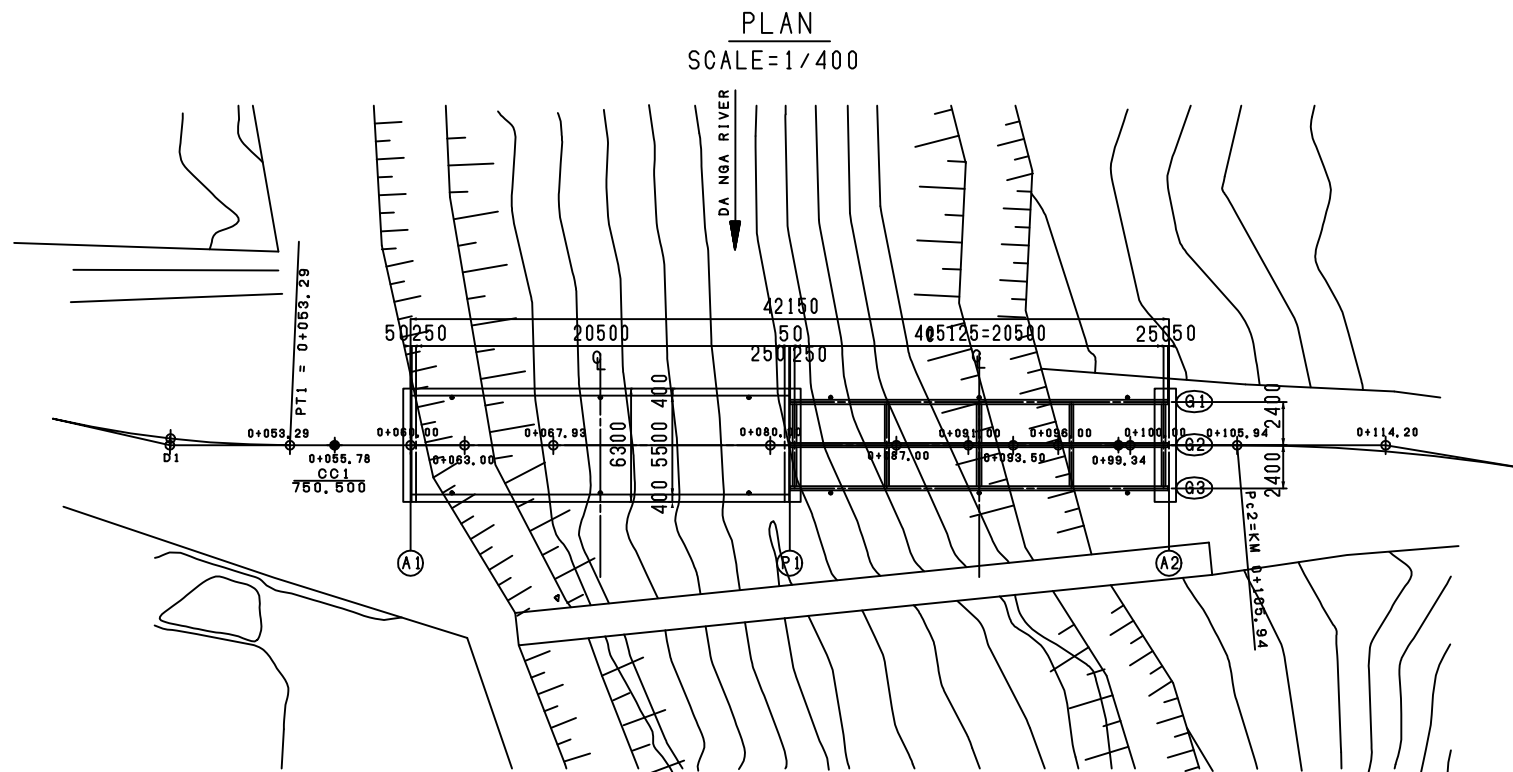
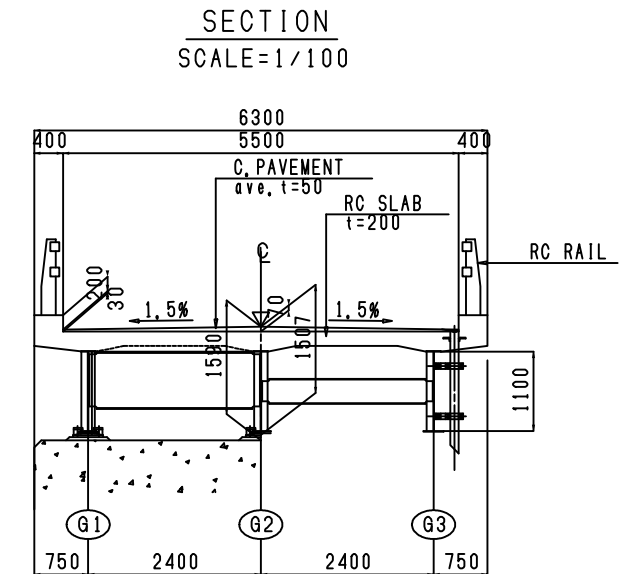
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	T. FURUKAWA	CHECKED BY	H. ENDOU
APPROVED BY	[Signature]		
NAME	T. FURUKAWA	H. ENDOU	DZUNG
SIGNATURE			
DATE			

Br. No. 47 LOC NGAI BRIDGE (General View of the Bridge)

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	LN-	OF
DRAWING TITLE Br. No. 47 General View of the Bridge			
REV. NO.	DATE	DESCRIPTION	SIGNATURE



GRADE	1=0.3%									
PROPOSED HIGHT	753.61		753.642		753.673		753.705		753.736	753.786
GROUND HIGHT		749.88	745.97	744.55	745.57	745.42	745.99	747.50	749.67	751.20
DISTANCE	0+60.00	0+62.00	0+67.93	0+70.55	0+74.00	0+80.00	0+81.075	0+87.00	0+91.00	0+93.50
MARKER	A1		CL1		P1		CL2			A2



DESIGN CRITERIA		
General Condition		
Design Speed	V=25km/h	
Bridge Length (Span Length)	42,15m (20,5m+20,5m)	
Clear Width	5,5m	
Longitudinal Gradient	0,3%	
Cross-fall of Carriage way	1,50%	
Super Structure Type	Steel	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe #406,4mm	
Material Strength		
Super Structure Type	GI:der	σ _a =210N/mm ²
	Cross Beam	σ _a =140N/mm ²
	Slab	σ _a =30N/mm ²
Surface	C, Pavement	ave, t=5cm
	Curb, Wall	σ _a =30N/mm ²
Sub Structure Type	σ _a =20N/mm ²	
Reinforcing Steel	SD295 (σ _y =300N/mm ²)	

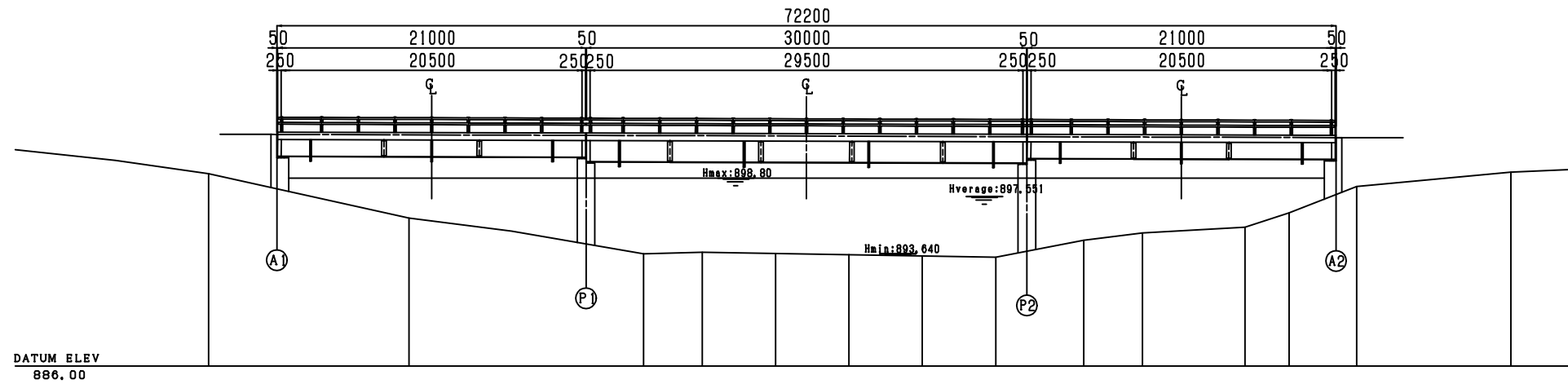
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	T. FURUKAWA	K. ENDOU	DUONG
SIGNATURE			
DATE			

Br. No. 48 NONG TRUONG BO SUA BRIDGE

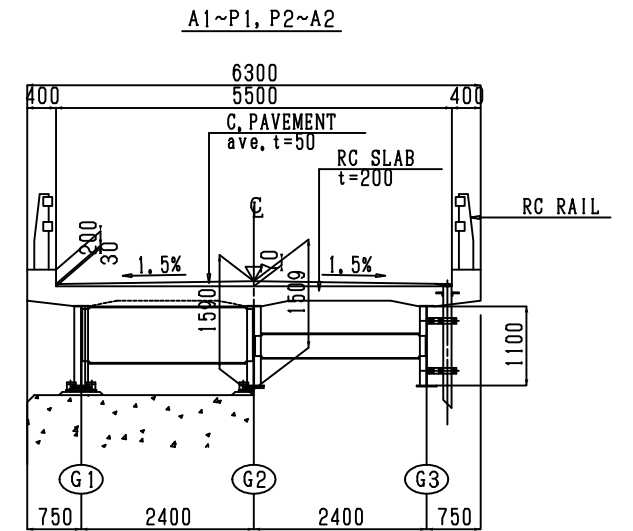
(General View of the Bridge)

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	NT88-	OF
DRAWING TITLE	Br.No.48 General View of the Bridge		
REV. NO.	DATE	DESCRIPTION	SIGNATURE

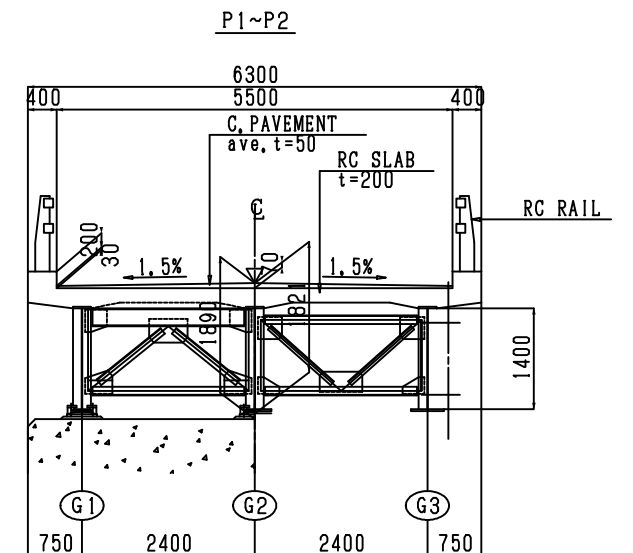
PROFILE
SCALE=1/400



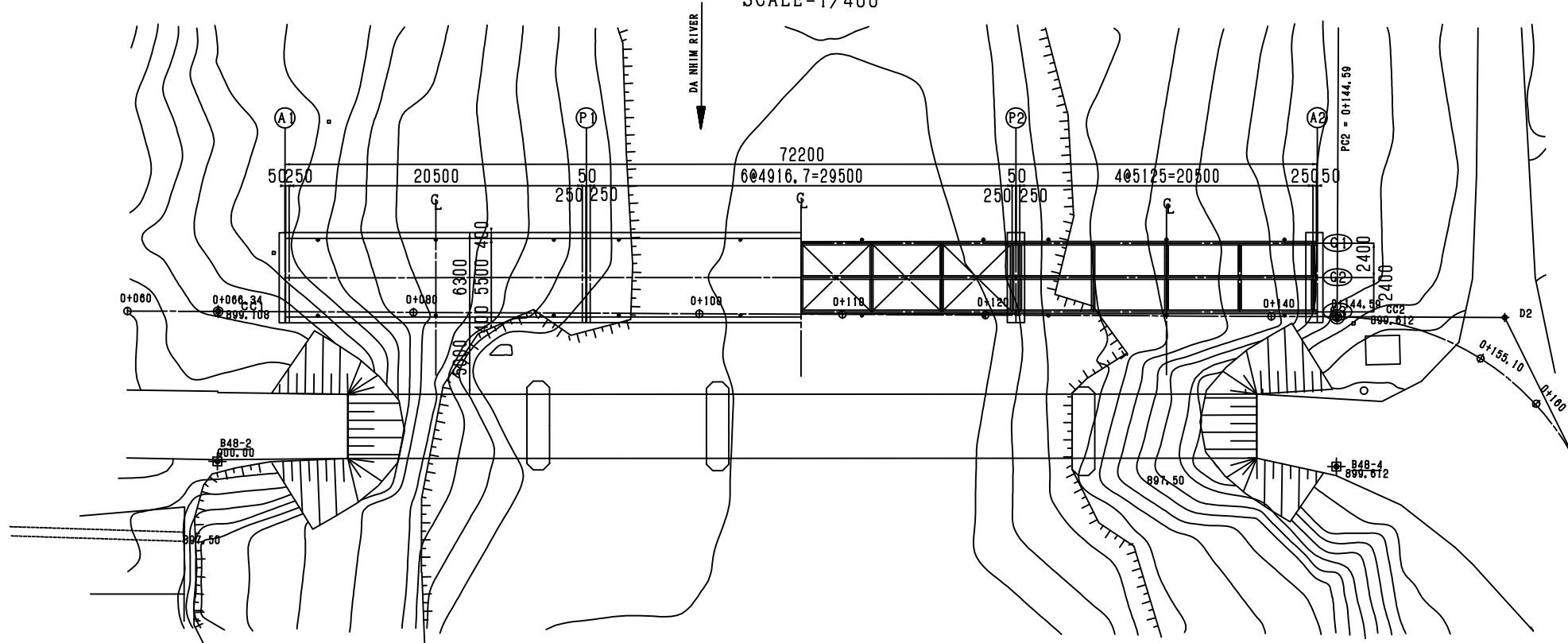
SECTION
SCALE=1/100



GRADE																			
PROPOSED HEIGHT	901.783		901.752	901.720		901.675		901.63		901.598		901.587							
GROUND HEIGHT		896.08	895.19		893.64	893.75	893.67	893.59	893.50	893.42	894.57	895.07	895.46	896.43					
DISTANCE	0+71.00	0+80.00	0+81.55	0+87.00	0+92.075	0+96.00	0+100.00	0+105.00	0+107.00	0+110.00	0+115.00	0+120.00	0+122.125	0+126.00	0+130.00	0+132.65	0+137.00	0+140.00	0+143.20
MARKER	A1	CL1		P1	CL2				P2	CL3				A2					



PLAN
SCALE=1/400



DESIGN CRITERIA

General Condition		
Design Speed	V=25km/h	
Bridge Length (Span Length)	72,2m(20,5m+29,5m+20,5m)	
Clear Width	5,5m	
Longitudinal Gradient	0,3%	
Cross-fall of Carriage way	1,50%	
Super Structure Type	Steel	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe 406,4mm	
Material Strength		
Super Structure Type	Girder	σa=210N/mm ²
	Cross Beam	σa=140N/mm ²
	Slab	σ28=30N/mm ²
Surface	C, Pavement	ave, t=5cm
	Curb, Wall	σ28=30N/mm ²
Sub Structure Type	σ28=20N/mm ²	
Reinforcing Steel	SD295(py=300N/mm ²)	

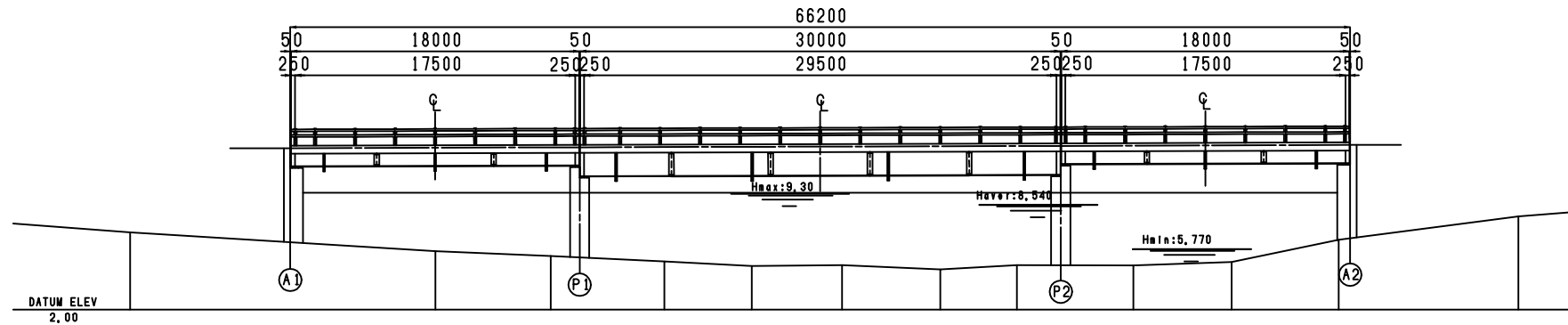
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	T. FURUKAWA	H. ENDOU	DZUNG
SIGNATURE			
DATE			

Br. No. 58 DAK POTO BRIDGE

(General View of the Bridge)

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	DP-	OF
DRAWING TITLE	Br. No. 58 General View of the Bridge		
REV. NO.	DATE	DESCRIPTION	SIGNATURE

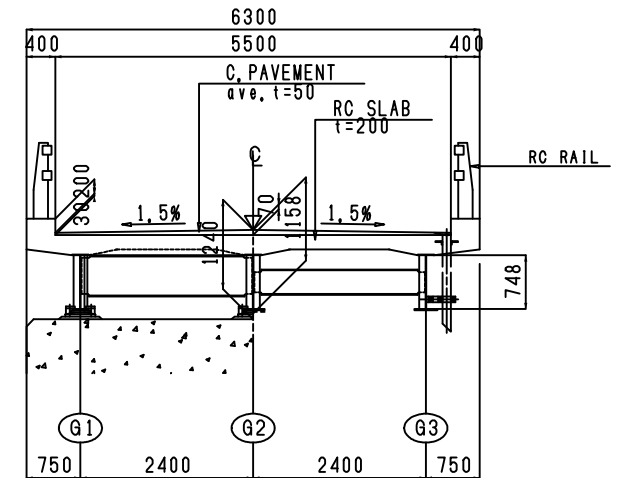
PROFILE
SCALE=1/400



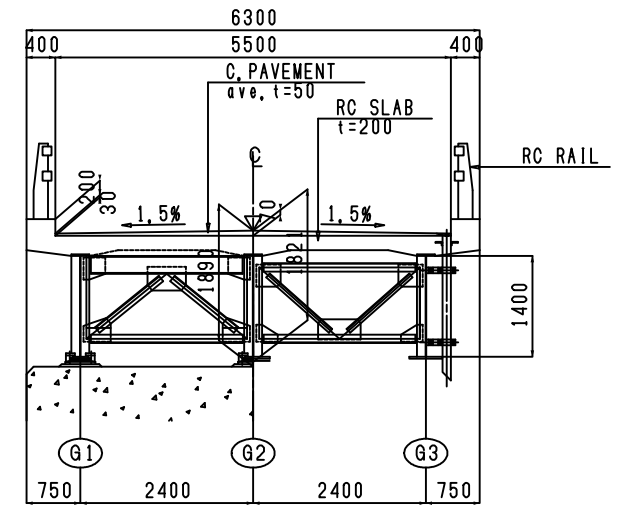
GRADE	12.076		12.13		12.274	
PROPOSED HIGHT	12.076	12.103	12.130	12.175	12.220	12.247
GROUND HIGHT		5.64	5.34	5.00	4.72	4.77
DISTANCE	0+70.00	0+79.05 0+79.06	0+88.27	0+88.075	0+98.82	0+103.10 0+104.47
MARKER	A1	CL1	P1		CL2	P2

SECTION
SCALE=1/100

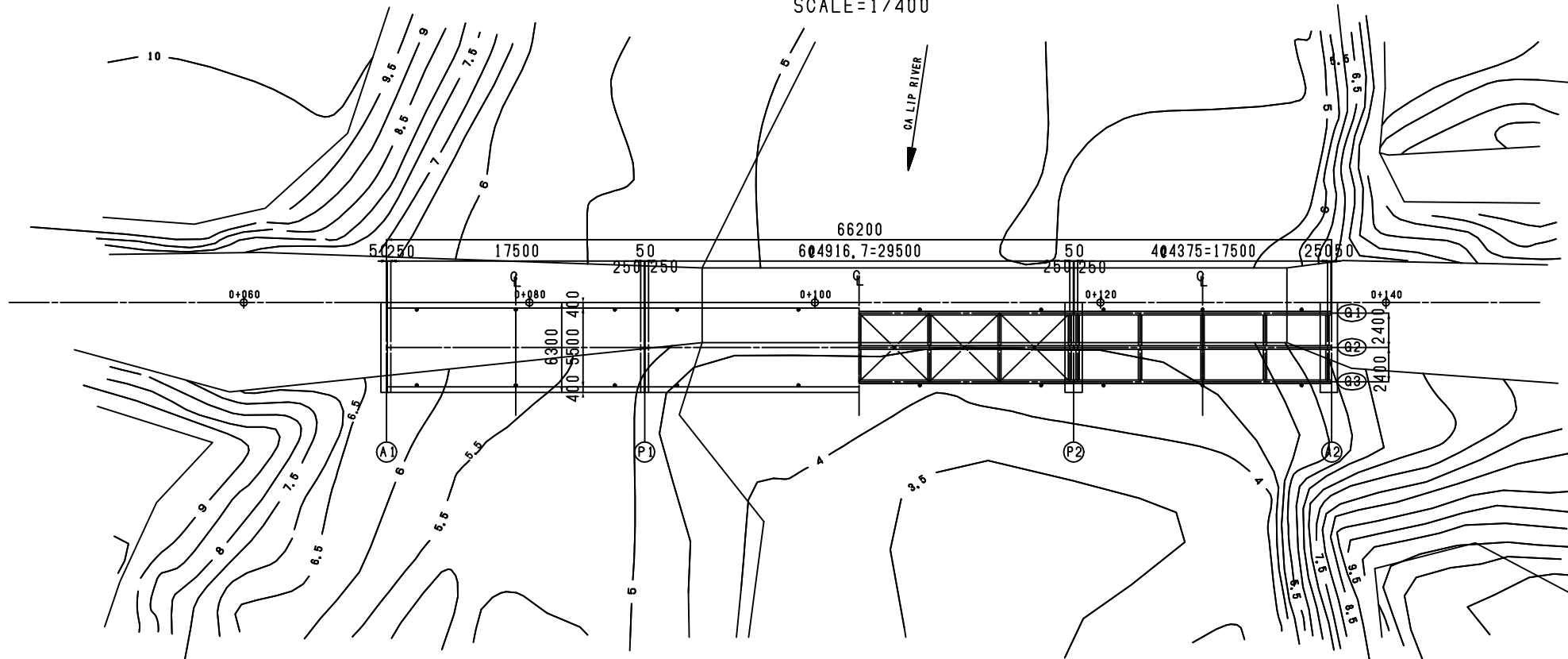
A1~P1, P2~A2



P1~P2



PLAN
SCALE=1/400



DESIGN CRITERIA

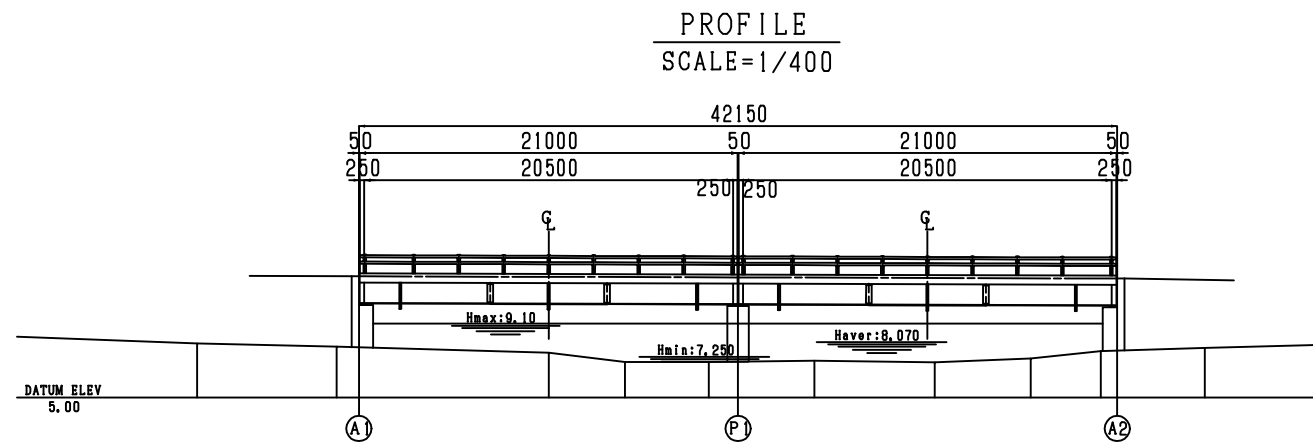
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	66.2m(17.5m+29.5m+17.5m)
Clear Width	5.5m
Longitudinal Gradient	0.3%
Cross-fall of Carriage way	1.50%
Super Structure Type	Steel
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe #406, 4mm
Material Strength	
Super Structure Type	Girder $\sigma_s=210N/mm^2$ Cross Beam $\sigma_s=140N/mm^2$ Slab $\sigma_s=30N/mm^2$
Surface	C. Pavement ave. t=5cm $\sigma_s=30N/mm^2$ Curb, Wall $\sigma_s=20N/mm^2$
Sub Structure Type	$\sigma_s=20N/mm^2$
Reinforcing Steel	SD295 (fy=300N/mm ²)

THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	T. FURUKAWA	CHECKED BY	K. ENDOU
APPROVED BY	DUONG		
NAME	T. FURUKAWA	K. ENDOU	DUONG
SIGNATURE			
DATE			

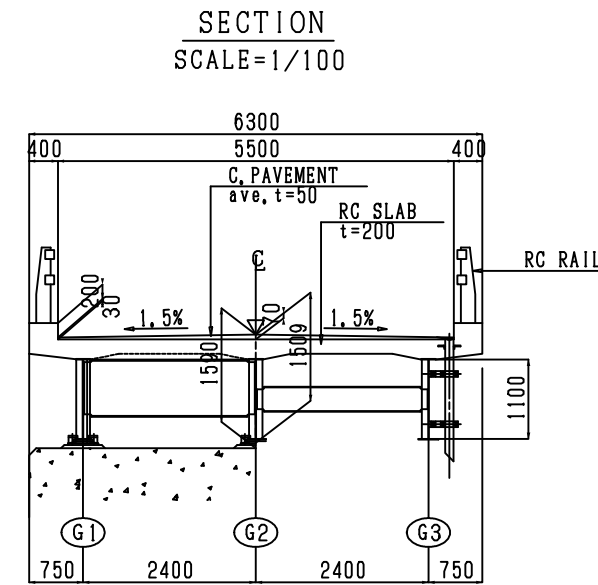
Br. No. 62 NGOC REO BRIDGE

(General View of the Bridge)

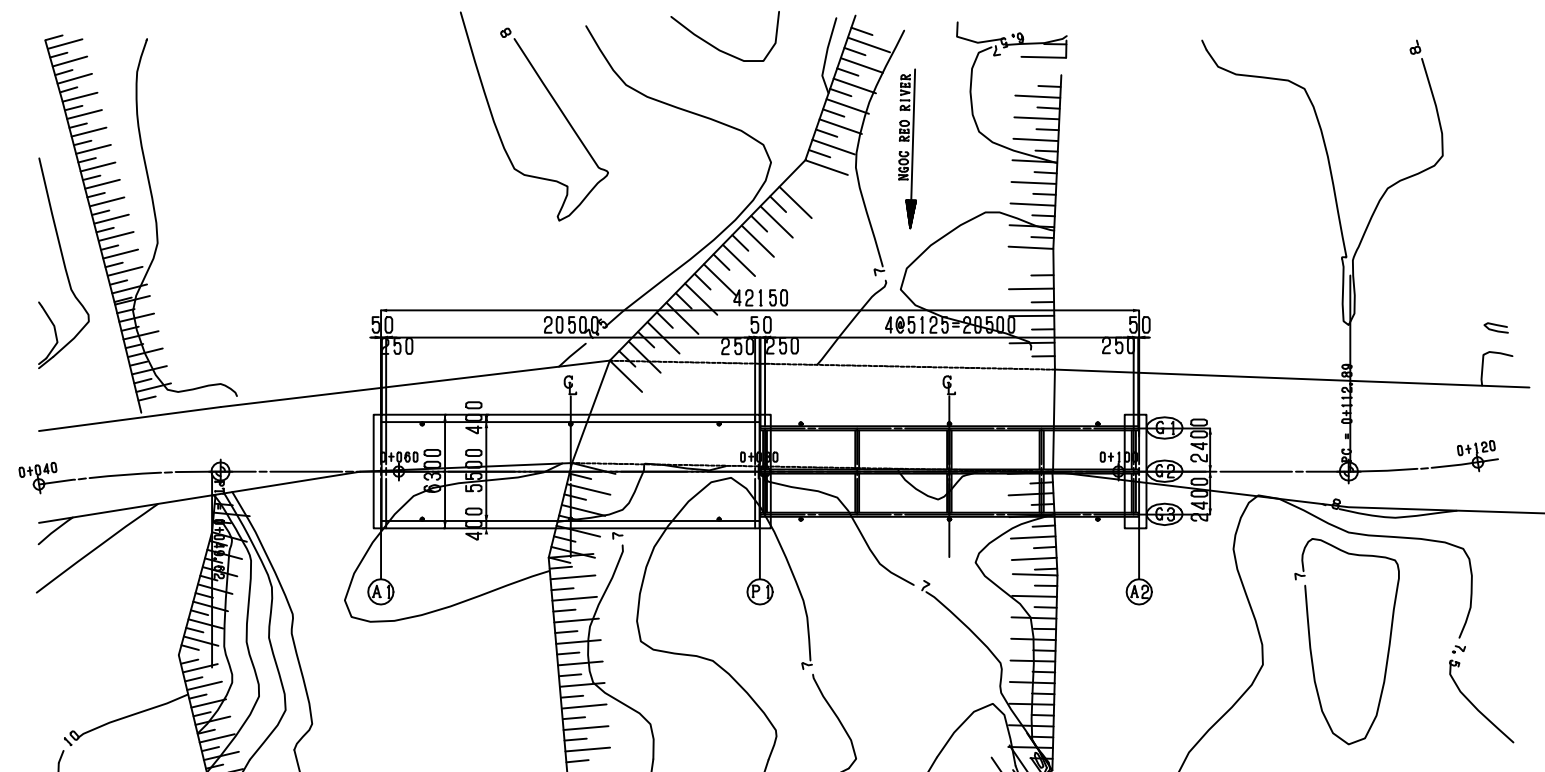
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	NR-	OF
DRAWING TITLE	Br. No. 62 General View of the Bridge		
REV. NO.	DATE	DESCRIPTION	SIGNATURE



GRADE	11.736										
PROPOSED HIGHT	11.736	11.705	11.673	11.642	11.61	11.61	11.61	11.61			
GROUND HIGHT	7.82	7.49	6.97	6.98	7.05	6.95	7.17	7.57			
DISTANCE	0+57.77	0+59.00	0+69.55	0+73.79	0+76.44	0+80.075	0+84.32	0+90.91	0+91.01	0+96.35	0+100.15
MARKER	A1	CL1	P1	CL2	A2						



PLAN
SCALE=1/400



DESIGN CRITERIA

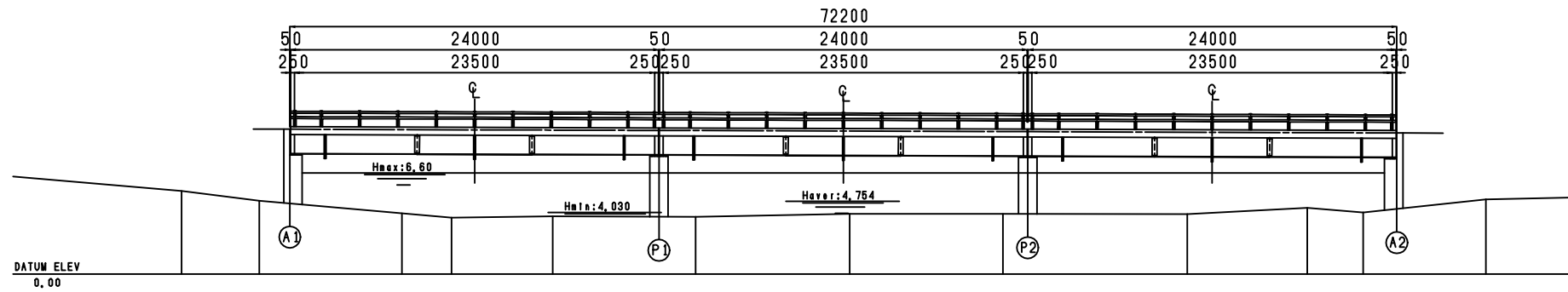
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	42,15m (20,5m+20,5m)
Clear Width	5,5m
Longitudinal Gradient	0,3%
Cross-fall of Carriage way	1,50%
Super Structure Type	Steel
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe 406,4mm
Material Strength	
Super Structure Type	Girder $\sigma_s=210N/mm^2$ Cross Beam $\sigma_s=140N/mm^2$ Slab $\sigma_{28}=30N/mm^2$
Surface	C, Pavement $\sigma_{28}=30N/mm^2$ Curb, Wall $\sigma_{28}=30N/mm^2$
Sub Structure Type	$\sigma_{28}=20N/mm^2$
Reinforcing Steel	SD295 ($p_y=300N/mm^2$)

THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	T. FURUKAWA	H. ENDOU	DZUNG
SIGNATURE			
DATE			

Br. No. 64 DAK TO KAN BRIDGE (General View of the Bridge)

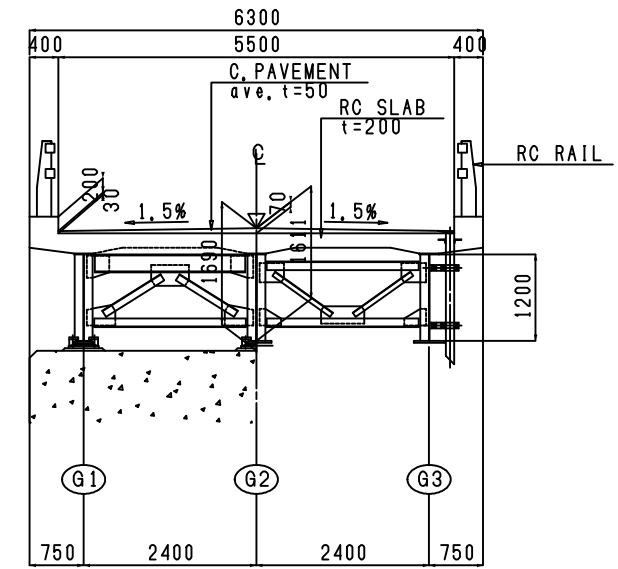
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	DTK-	OF
DRAWING TITLE	Br. No. 64 General View of the Bridge		
REV. NO.	DATE	DESCRIPTION	SIGNATURE

PROFILE
SCALE=1/400

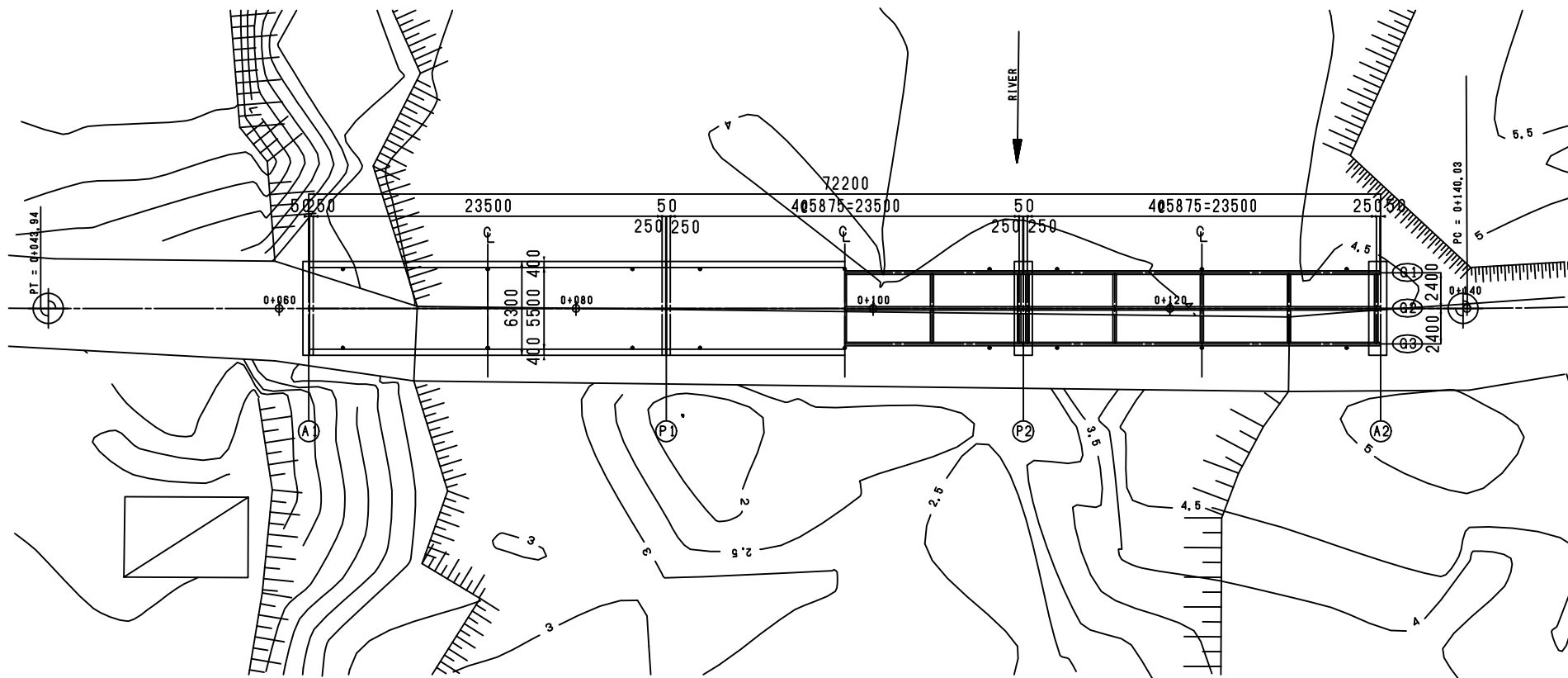


GRADE	9.437														
PROPOSED HIGHT	9.437	9.400	9.328	9.292	9.266	9.22									
GROUND HIGHT	4.80	3.97	3.69	3.78	3.75	3.93	3.93	3.92	4.33	4.02	9.22				
DISTANCE	0+80.00	0+69.31	0+72.55	0+74.05	0+79.14	0+88.075	0+88.47	0+88.10	0+98.51	0+110.125	0+120.53	0+122.15	0+128.35	0+132.00	0+134.20
MARKER	A1	OL1				P1				P2			OL3		A2

SECTION
SCALE=1/100



PLAN
SCALE=1/400



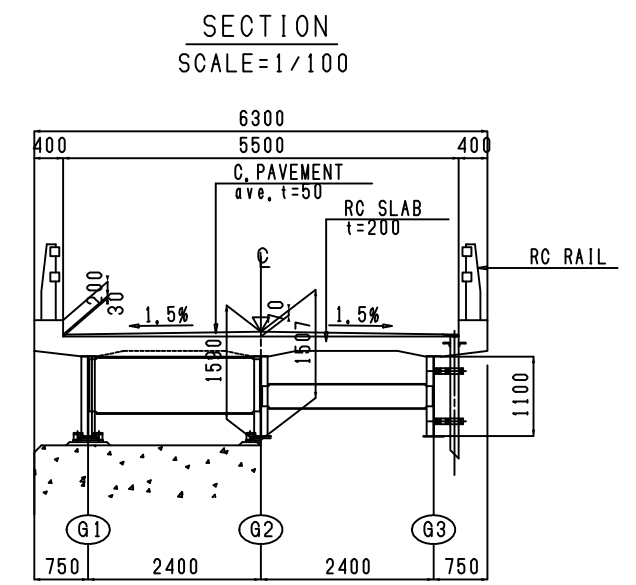
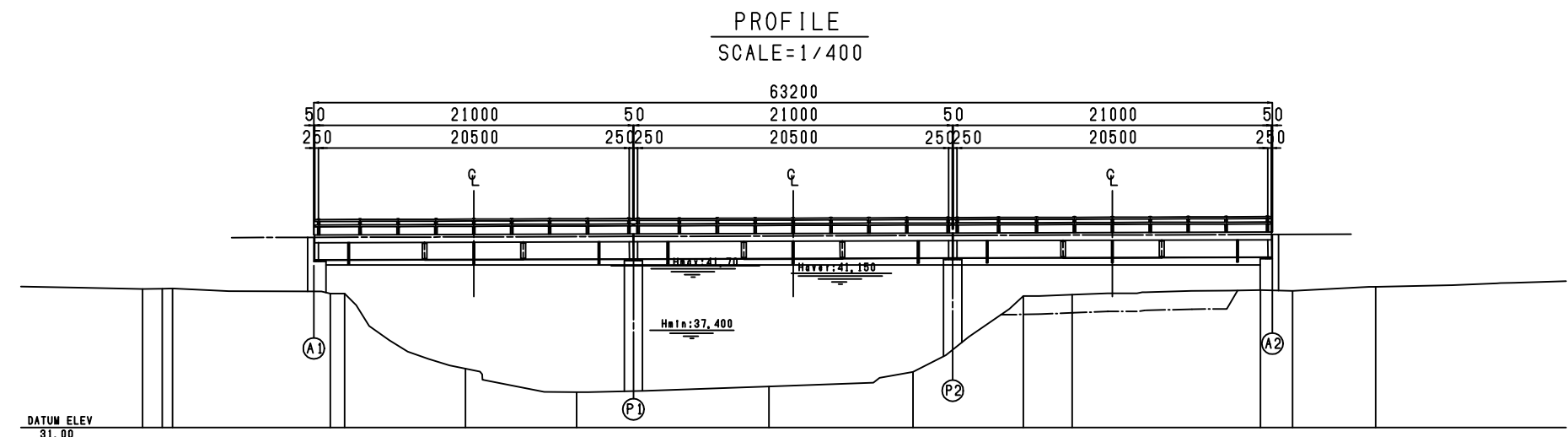
DESIGN CRITERIA

General Condition		
Design Speed	V=40km/h	
Bridge Length (Span Length)	72, 20m (23, 5m+23, 5m+23, 5m)	
Clear Width	5, 5m	
Longitudinal Gradient	0, 3%	
Cross-fall of Carriage way	1, 50%	
Super Structure Type	Steel	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe #406, 4mm	
Material Strength		
Super Structure Type	Girder	σa=210N/mm ²
	Cross Beam	σa=140N/mm ²
	Slab	σ28=30N/mm ²
Surface	C. Pavement	σve, t=5cm
	Curb, Wall	σ28=30N/mm ²
Sub Structure Type	σ28=20N/mm ²	
Reinforcing Steel	SD295 (σy=300N/mm ²)	

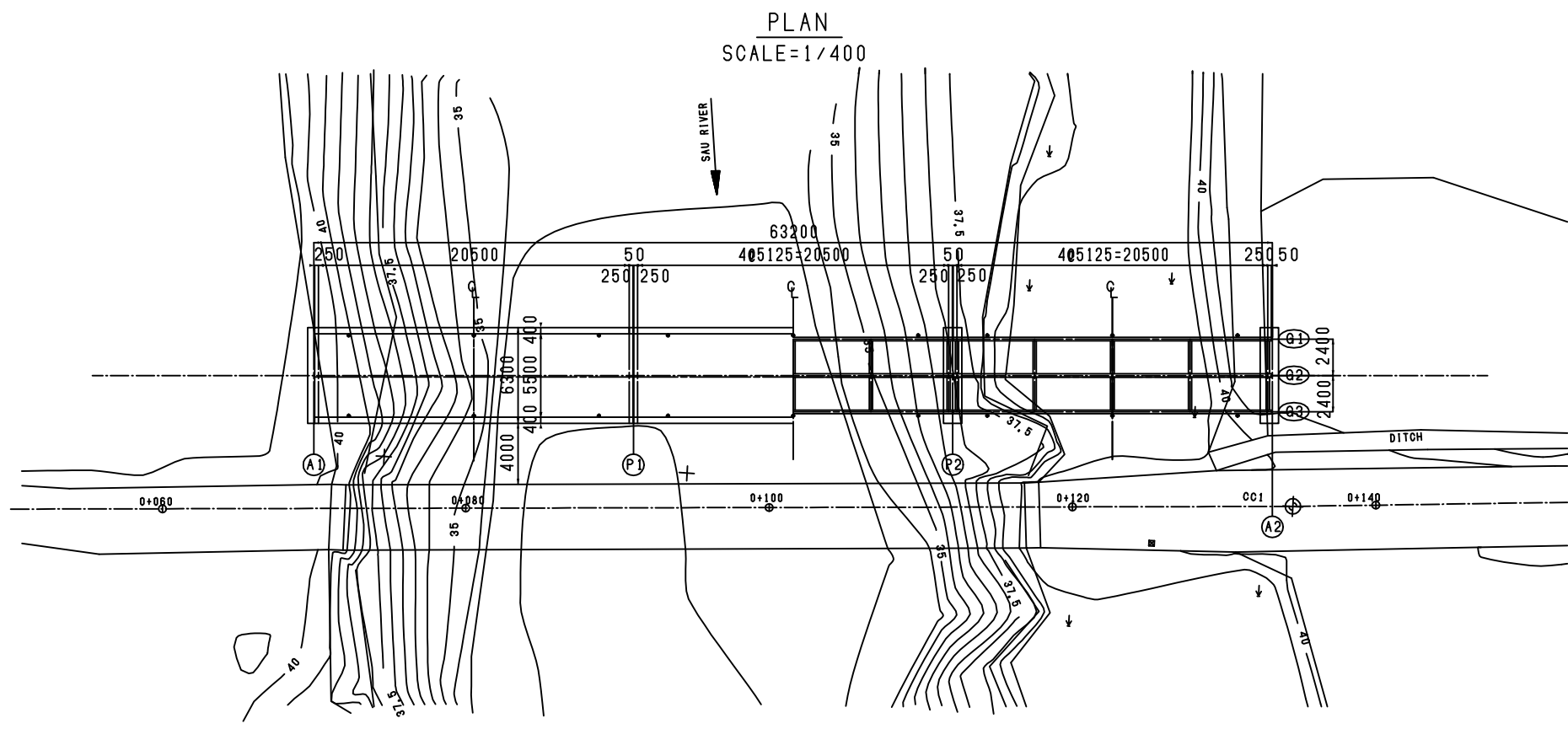
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIMES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	T. FURUKAWA	H. ENDOU	DZUNG
SIGNATURE			
DATE			

Br. No. 72 SONG SAU BRIDGE (General View of the Bridge)

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	SS-	OF
DRAWING TITLE Br. No. 72 General View of the Bridge			
REV. NO.	DATE	DESCRIPTION	SIGNATURE



GRADE	43.900 ————— 43.71													
PROPOSED HEIGHT	43.900	43.868	43.836	43.805	43.773	43.742	43.71							
GROUND HEIGHT	39.83	34.87	33.32	33.71	34.66	39.66	39.75	40.05	40.00					
DISTANCE	0+70.00	0+80.00	0+87.32	0+91.075	0+100.00	0+101.80	0+109.5	0+112.125	0+116.77	0+120.00	0+122.65	0+132.41	0+133.20	0+134.63
MARKER	A1	CL1	P1		CL2		P2		CL3		A2			



DESIGN CRITERIA

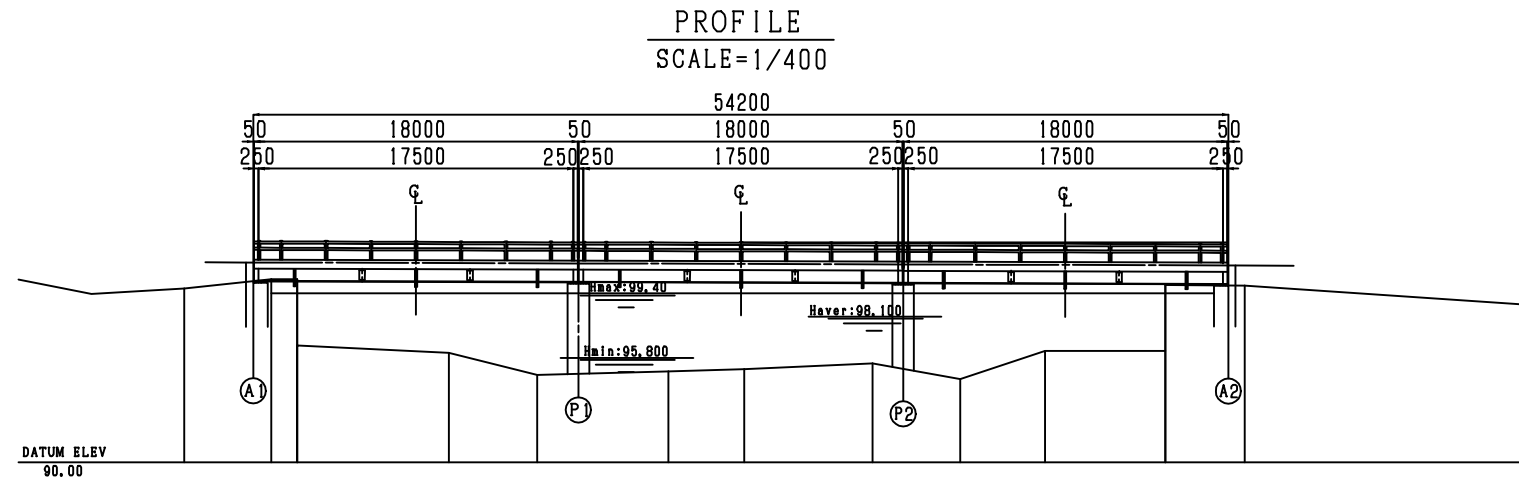
General Condition		
Design Speed	V=25km/h	
Bridge Length (Span Length)	63,2m (20,5m+20,5m+20,5m)	
Clear Width	5,5m	
Longitudinal Gradient	0,3%	
Cross-fall of Carriage way	1,50%	
Super Structure Type	Steel	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe #406, 4mm	
Material Strength		
Super Structure Type	Girder	σσ=210N/mm ²
	Cross Beam	σσ=140N/mm ²
	Slab	σσ=30N/mm ²
Surface	C. Pavement	ave, t=5cm
	Curb, Wall	σσ=30N/mm ²
Sub Structure Type	σσ=20N/mm ²	
Reinforcing Steel	SD295 (σ _y =300N/mm ²)	

THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	T. FURUKAWA	CHECKED BY	K. ENDOU
APPROVED BY	DUONG		
NAME	T. FURUKAWA	K. ENDOU	DUONG
SIGNATURE			
DATE			

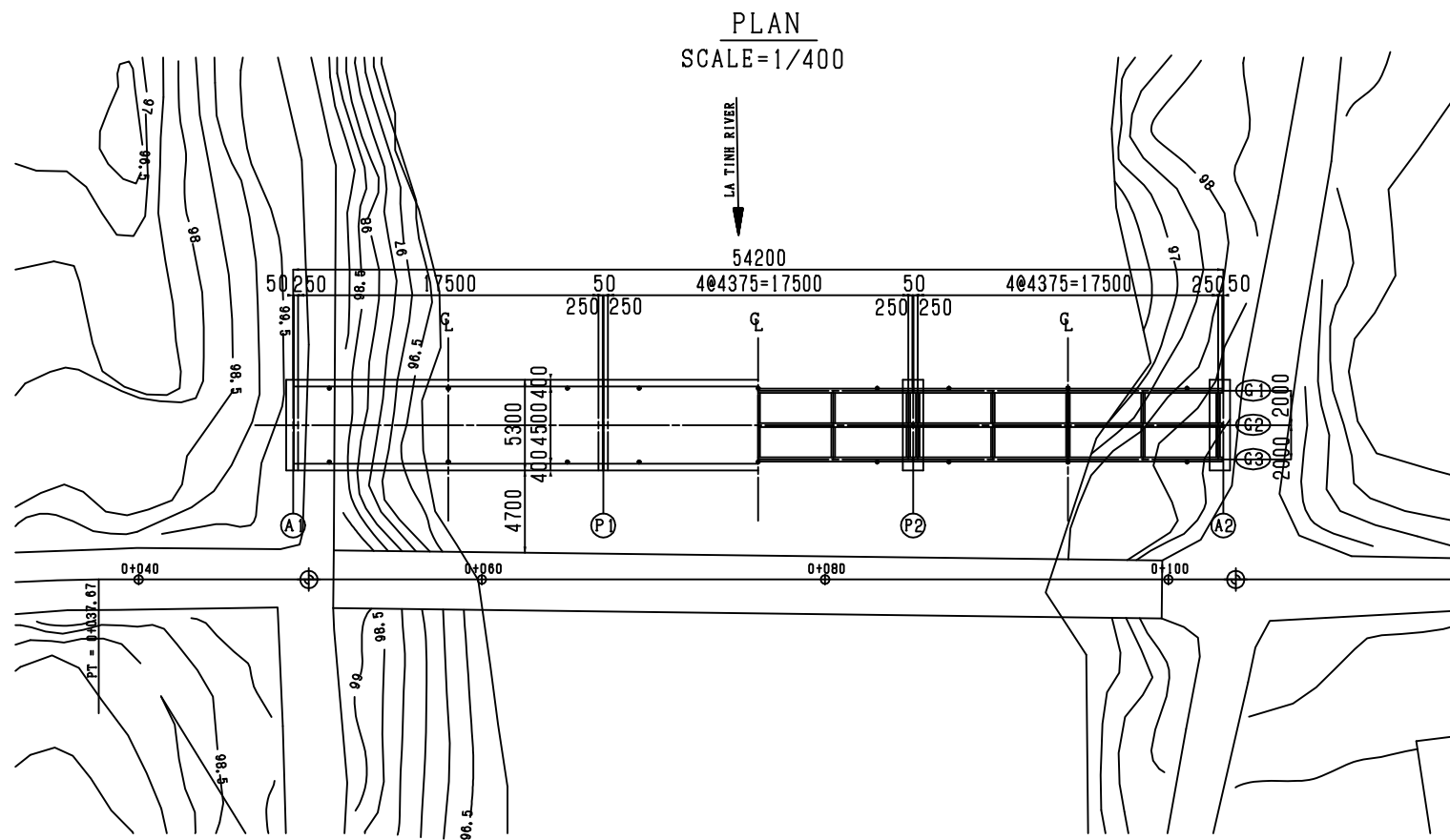
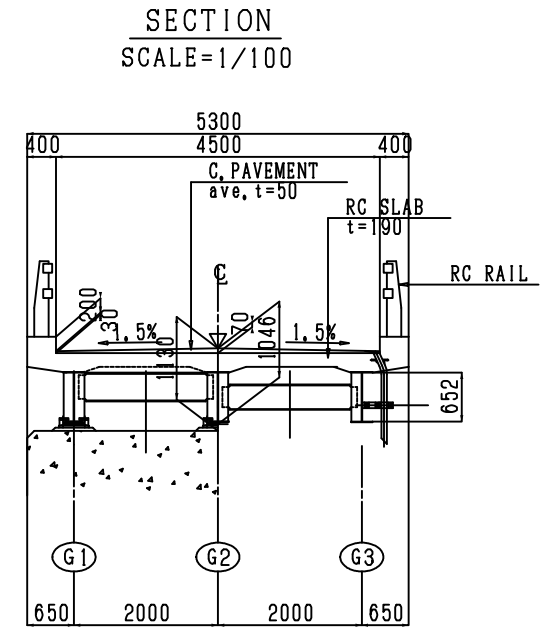
Br. No. 76 DAO LONG BRIDGE

(General View of the Bridge)

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	DL-	OF
DRAWING TITLE	Br. No. 76 General View of the Bridge		
REV. NO.	DATE	DESCRIPTION	SIGNATURE



GRADE	101.113 101.113 101.113 $1:0.3\%$ 100.95									
PROPOSED HIGHT	101.113	101.085	101.038	101.031	101.004	100.977	100.95	100.95	100.95	100.95
GROUND HIGHT	100.18	100.35	96.50	96.10	94.86	95.06	95.19	95.50	94.64	96.19
DISTANCE	0+49.00	0+50.00	0+51.44	0+58.05	0+59.87	0+64.78	0+67.075	0+72.07	0+78.10	0+83.42
MARKER	A1	CL1	P1	CL2	P2	CL3	A2			



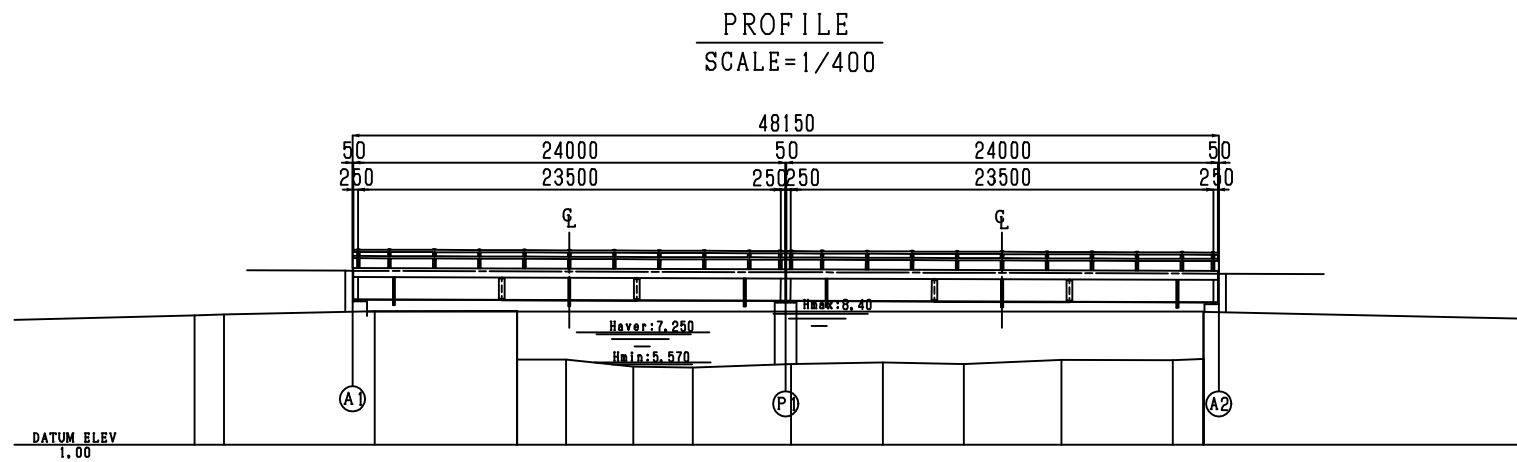
DESIGN CRITERIA	
General Condition	
Design Speed	V=25km/h
Bridge Length (Span Length)	54,2m (17,5m+17,5m+17,5m)
Clear Width	4,5m
Longitudinal Gradient	0,3%
Cross-fall of Carriage way	1,50%
Super Structure Type	Steel
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe $\phi 406,4$ mm
Material Strength	
Super Structure Type	Girder: $\sigma_a=210N/mm^2$ Cross Beam: $\sigma_a=140N/mm^2$ Slab: $\sigma_{28}=30N/mm^2$
Surface	C. Pavement: ave. t=5cm Curb, Wall: $\sigma_{28}=30N/mm^2$
Sub Structure Type	$\sigma_{28}=20N/mm^2$
Reinforcing Steel	SD295 (fy=300N/mm ²)

THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	T. FURUKAWA	K. ENDOU	DUONG
SIGNATURE			
DATE			

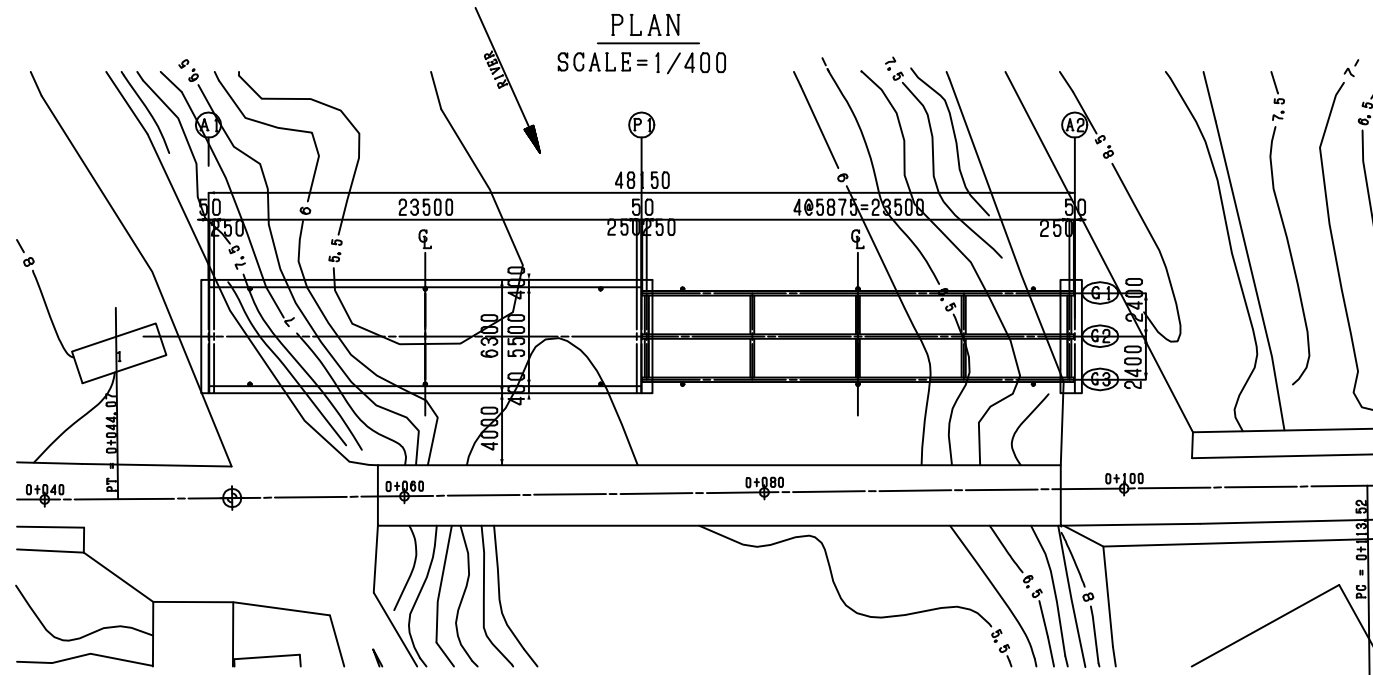
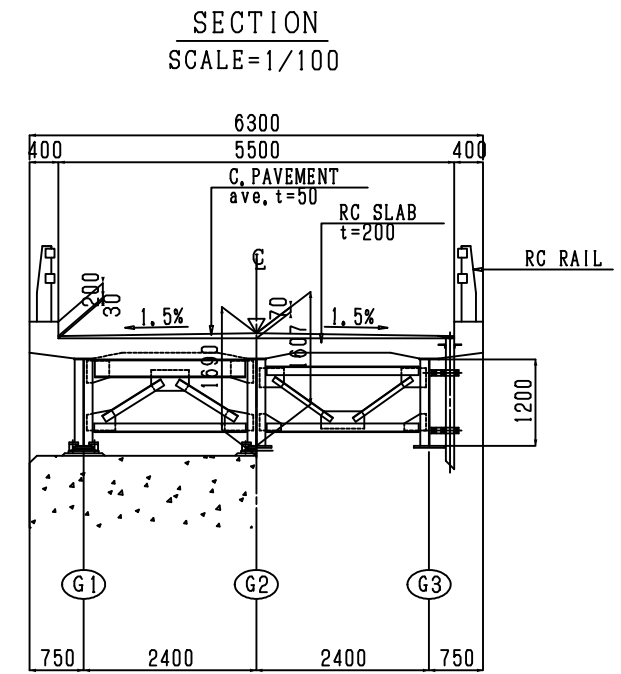
Br. No. 77 TRUONG DINH BRIDGE

(General View of the Bridge)

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	TD-	OF
DRAWING TITLE	Br. No. 77 General View of the Bridge		
REV. NO.	DATE	DESCRIPTION	SIGNATURE



GRADE	10.654 1:0.3% (10.51)										
PROPOSED HEIGHT	10.654		10.618		10.582		10.546		10.51		
GROUND HEIGHT	6.43	6.74 5.74	5.73	5.35	5.29	5.49	5.57	5.49	5.70	5.78 6.39	
DISTANCE	0+49.20 0+50.42	0+58.35	0+61.25	0+64.81	0+68.11	0+73.25 0+73.36	0+78.87	0+83.17	0+85.30	0+88.61	0+94.79 0+96.50 0+97.35
MARKER	A1		CL1			P1			CL2		A2



DESIGN CRITERIA		
General Condition		
Design Speed	V=25km/h	
Bridge Length (Span Length)	48,15m (23,5m+23,5m)	
Clear Width	5,5m	
Longitudinal Gradient	0,3%	
Cross-fall of Carriage way	1,50%	
Super Structure Type	Steel	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe #406,4mm	
Material Strength		
Super Structure Type	Girder	σs=210N/mm ²
	Cross Beam	σs=140N/mm ²
	Slab	σ28=30N/mm ²
Surface	C, Pavement	ave, t=5cm
	Curb, Wall	σ28=30N/mm ²
Sub Structure Type	σ28=20N/mm ²	
Reinforcing Steel	SD295 (py=300N/mm ²)	

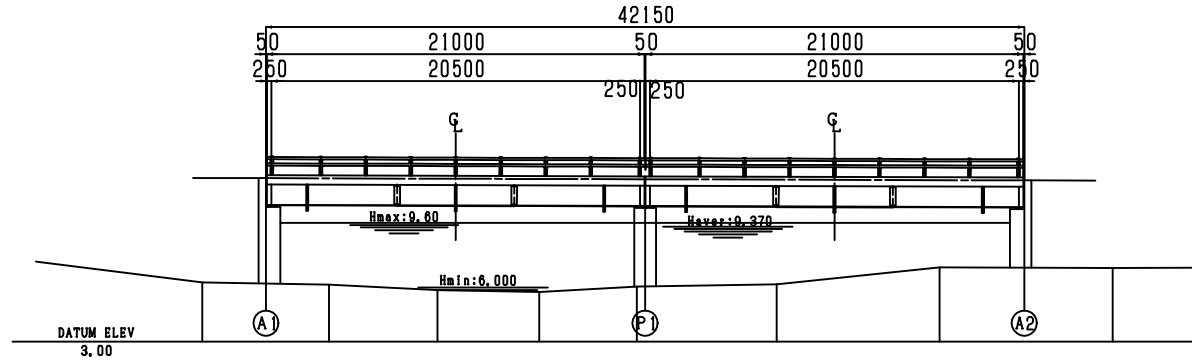
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	T. FURUKAWA	CHECKED BY	K. ENDOU
APPROVED BY	DUONG		
NAME	T. FURUKAWA	K. ENDOU	DUONG
SIGNATURE			
DATE			

Br. No. 82 DA LOC BRIDGE

(General View of the Bridge)

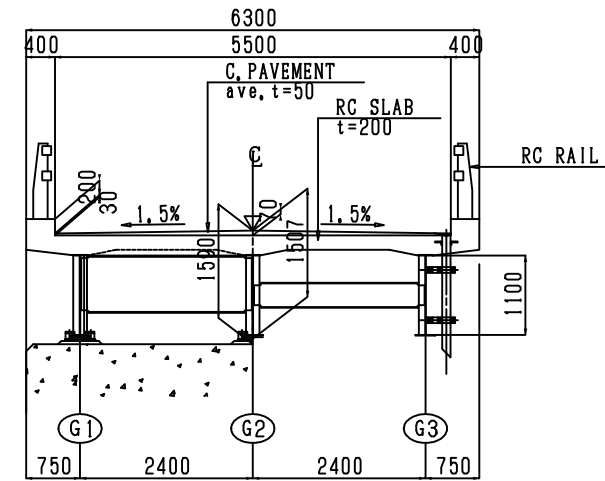
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	DL-	OF
DRAWING TITLE	Br. No. 82 General View of the Bridge		
REV. NO.	DATE	DESCRIPTION	SIGNATURE

PROFILE
SCALE=1/400

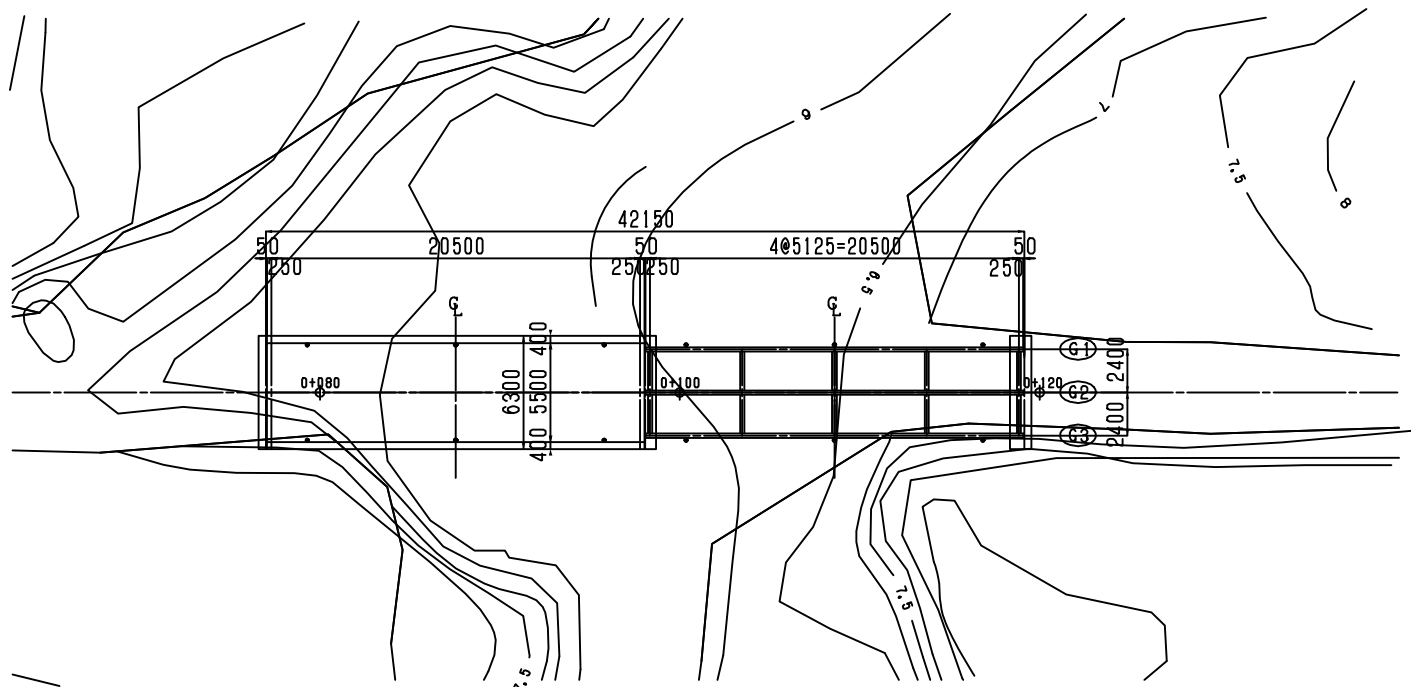


GRADE	1 = 0.3%											
PROPOSED HEIGHT	12.236	12.236	12.205	12.173	12.142	12.11	12.11	12.11	12.11	12.11		
GROUND HEIGHT	6.15	5.86	5.75	6.05	6.17	7.12	7.09	7.09	7.09	7.09		
DISTANCE	0+77.00	0+90.50	0+96.63	0+97.55	0+92.19	0+97.61	0+98.075	0+105.38	0+108.60	0+114.44	0+119.15	0+124.06
MARKER	A1		CL1		P1		CL2				A2	

SECTION
SCALE=1/100



PLAN
SCALE=1/400



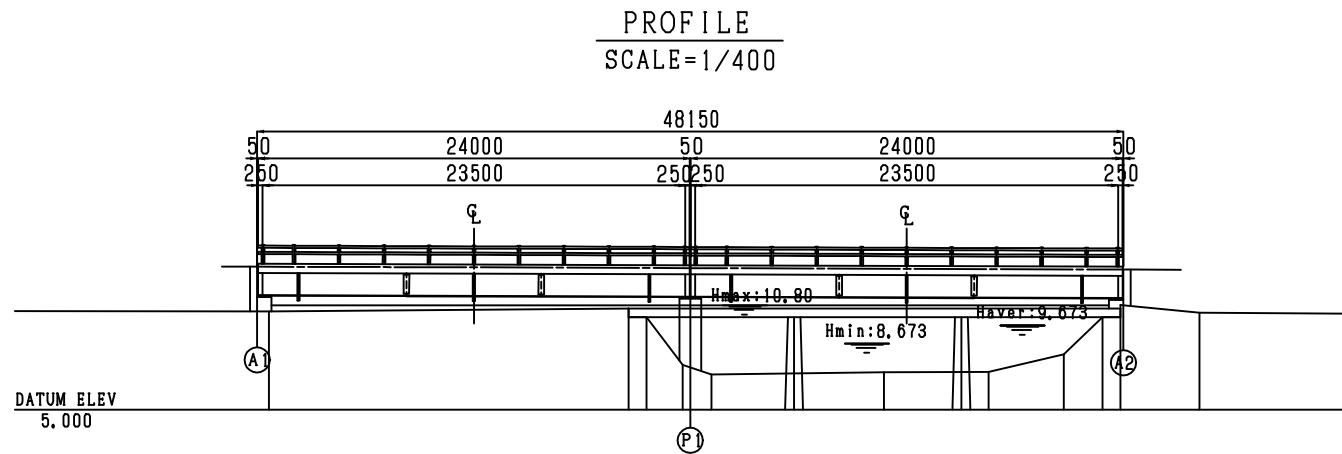
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	42,15m (20,5m+20,5m)
Clear Width	5,5m
Longitudinal Gradient	0,3%
Cross-fall of Carriage way	1,50%
Super Structure Type	Steel
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe φ406,4mm
Material Strength	
Super Structure Type	Girder: σa=210N/mm ² Cross Beam: σa=140N/mm ² Slab: σ28=30N/mm ²
Surface	C, Pavement: ave, t=5cm Curb, Wall: σ28=30N/mm ²
Sub Structure Type	σ28=20N/mm ²
Reinforcing Steel	SD295 (py=300N/mm ²)

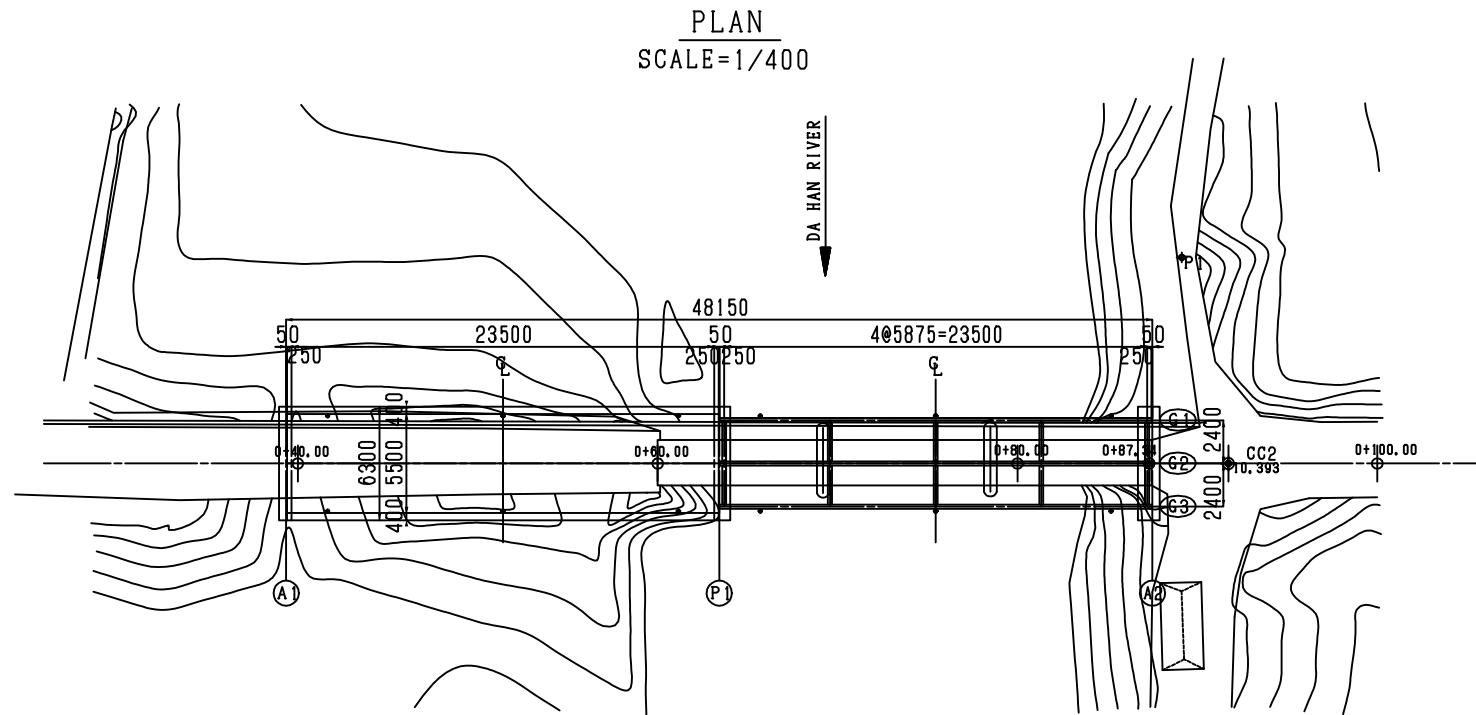
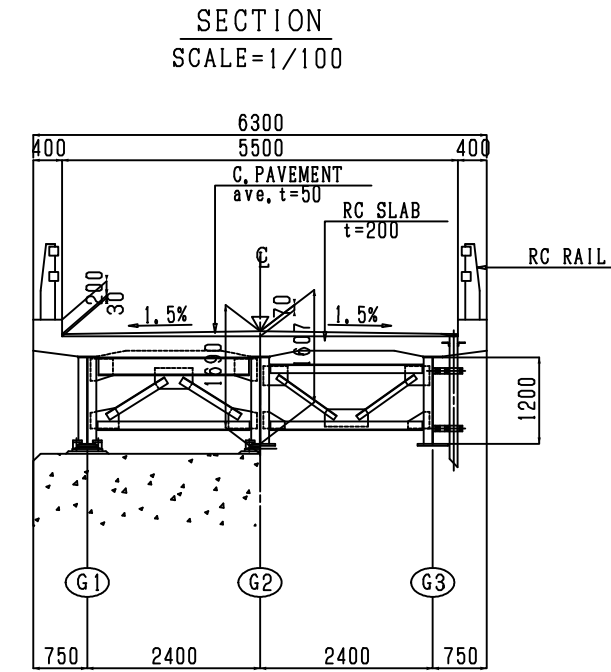
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORT			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	PACIFIC CONSULTANTS INTERNATIONAL		
DESIGNED BY	T. FURUKAWA	CHECKED BY	K. ENDOU
APPROVED BY	DUONG		
NAME	T. FURUKAWA	K. ENDOU	DUONG
SIGNATURE			
DATE			

Br. No. 86 TIEN DU BRIDGE (General View of the Bridge)

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	TD-	OF
DRAWING TITLE	Br. No. 86 General View of the Bridge		
REV. NO.	DATE	DESCRIPTION	SIGNATURE



GRADE	12.034	$i=0.3\%$				12.79
PROPOSED HIGHT	12.034	12.898	12.862	12.820	12.79	
GROUND HIGHT	10.47	10.63	7.50	6.96	7.08	
DISTANCE	0+30.35 0+40.00	0+51.40	0+60.00	0+63.00 0+63.25 0+64.00	0+74.20 0+75.45	0+78.50 0+80.00
MARKER	A1	CL1	P1	CL2	A2	



DESIGN CRITERIA

General Condition	
Design Speed	V=25km/h
Bridge Length (Span Length)	48,15m (23,5m+23,5m)
Clear Width	5,5m
Longitudinal Gradient	0,3%
Cross-fall of Carriage way	1,50%
Super Structure Type	Steel
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe $\phi 406,4mm$
Material Strength	
Super Structure Type	Girder $\sigma_a=210N/mm^2$
	Cross Beam $\sigma_a=140N/mm^2$
	Slab $\sigma_a=30N/mm^2$
Surface	C. Pavement ave, t=5cm
	Curb, Wall $\sigma_a=30N/mm^2$
Sub Structure Type	$\sigma_a=20N/mm^2$
Reinforcing Steel	SD295 ($\rho_y=300N/mm^2$)