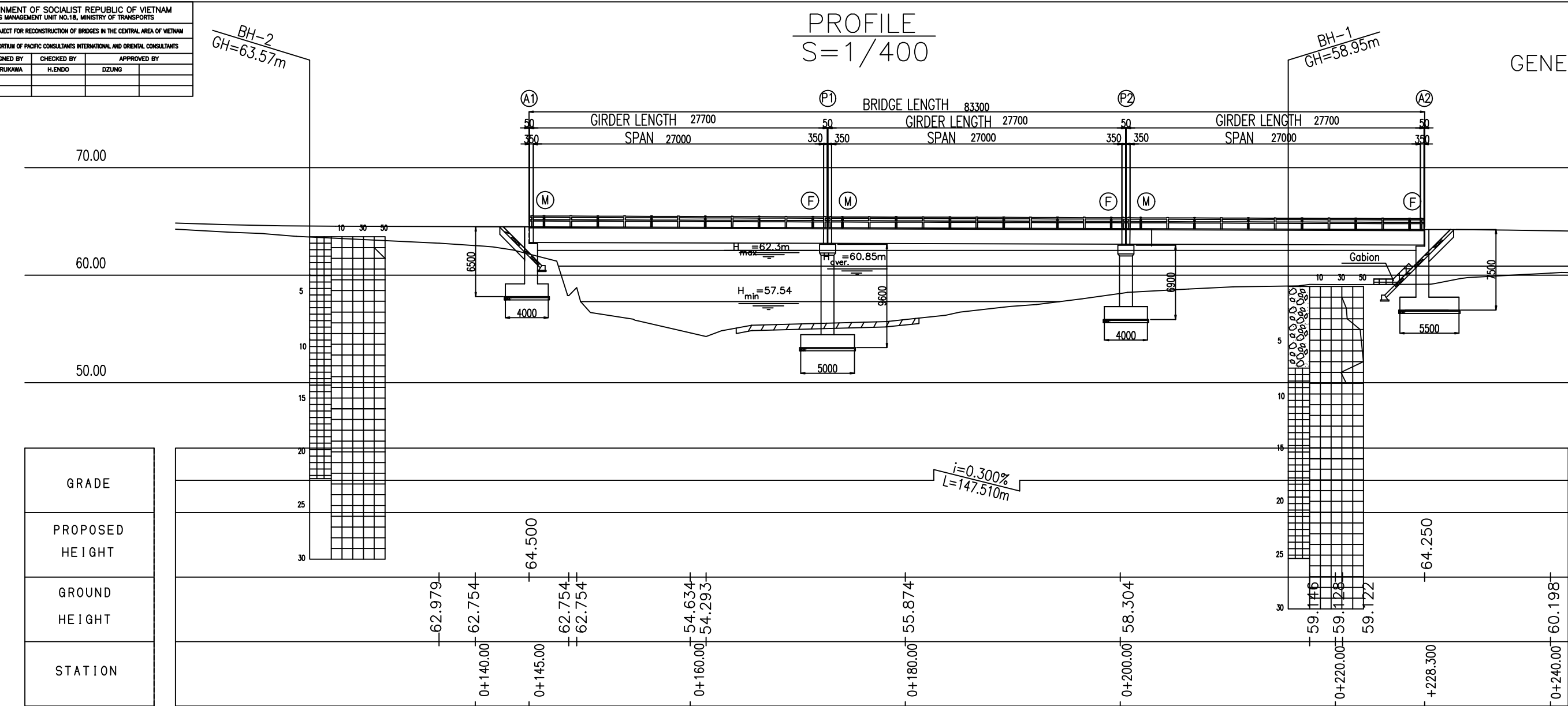
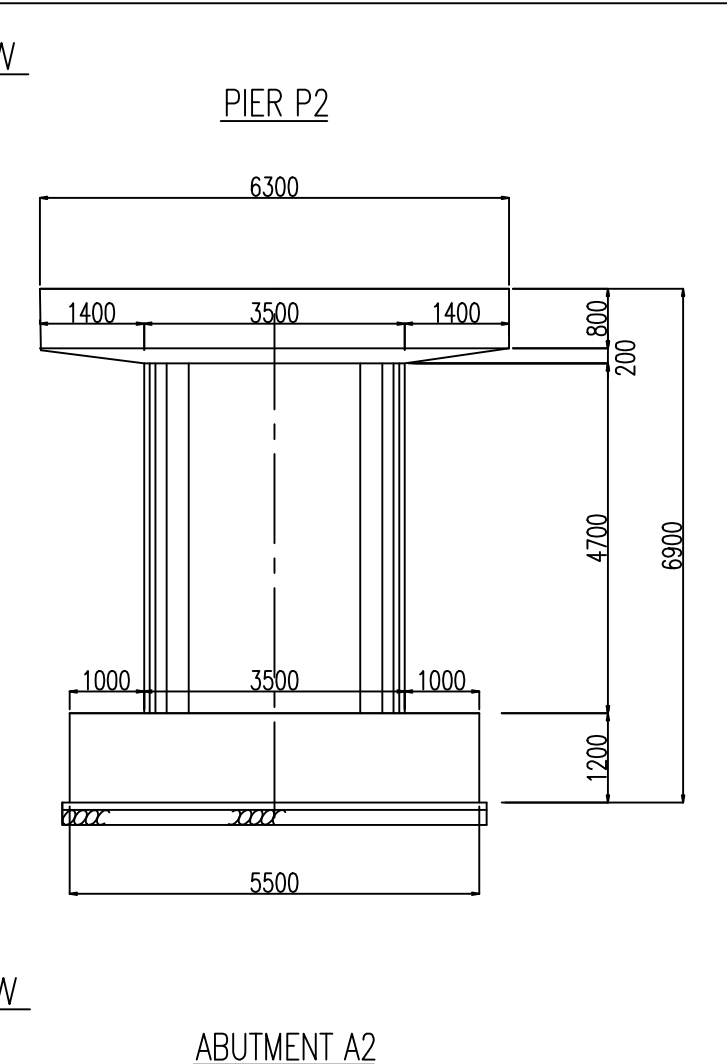
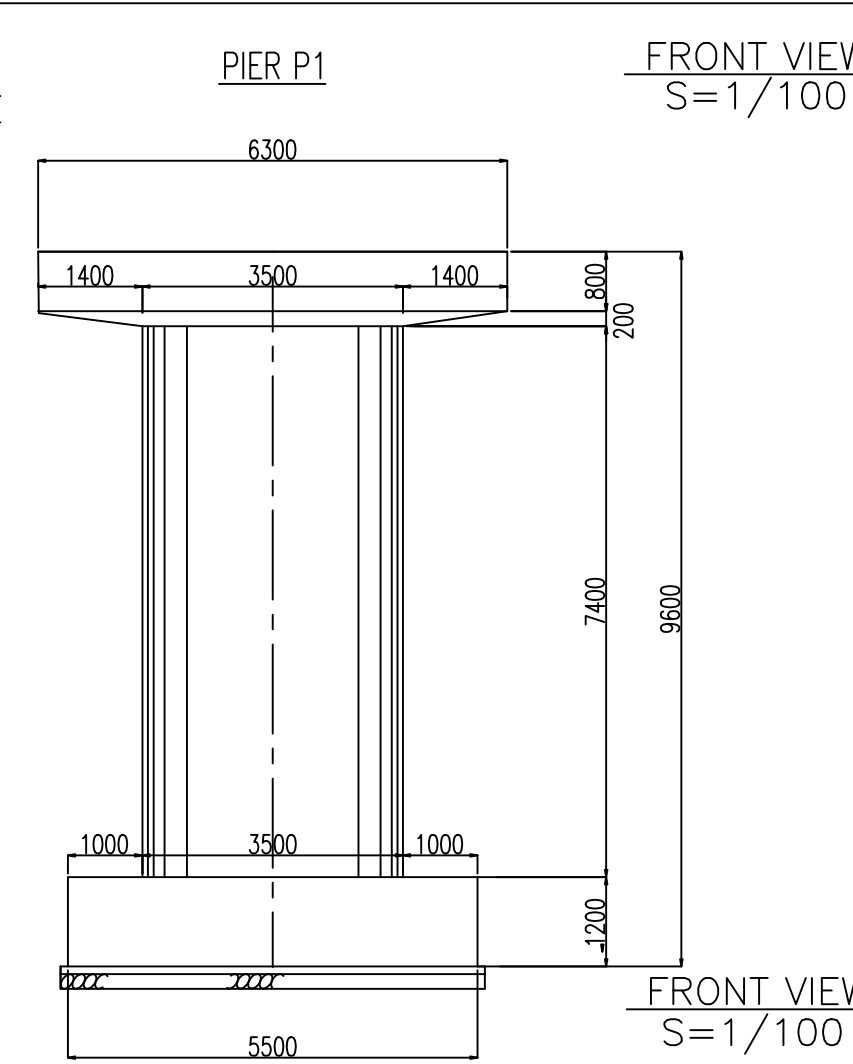


THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	Y. FURUKAWA	CHECKED BY	H. KUROKI
APPROVED BY		APPROVED BY	D. ZHANG
NAME		DATE	
SIGNATURE			
DATE			

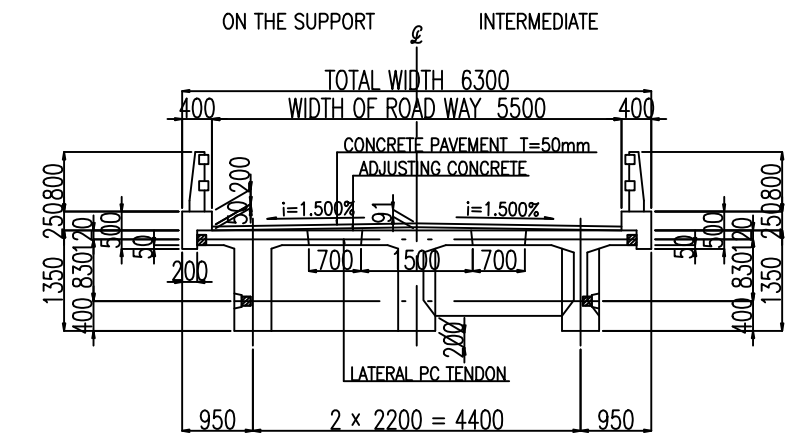
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400	C-2	1 OF 1
DRAWING TITLE	BRIDGE STRUCTURE (BR.NO.70 DO)		
REV. NO.	DATE	DESCRIPTION	SIGNATURE



BR.NO.70 DO
GENERAL VIEW OF THE BRIDGE

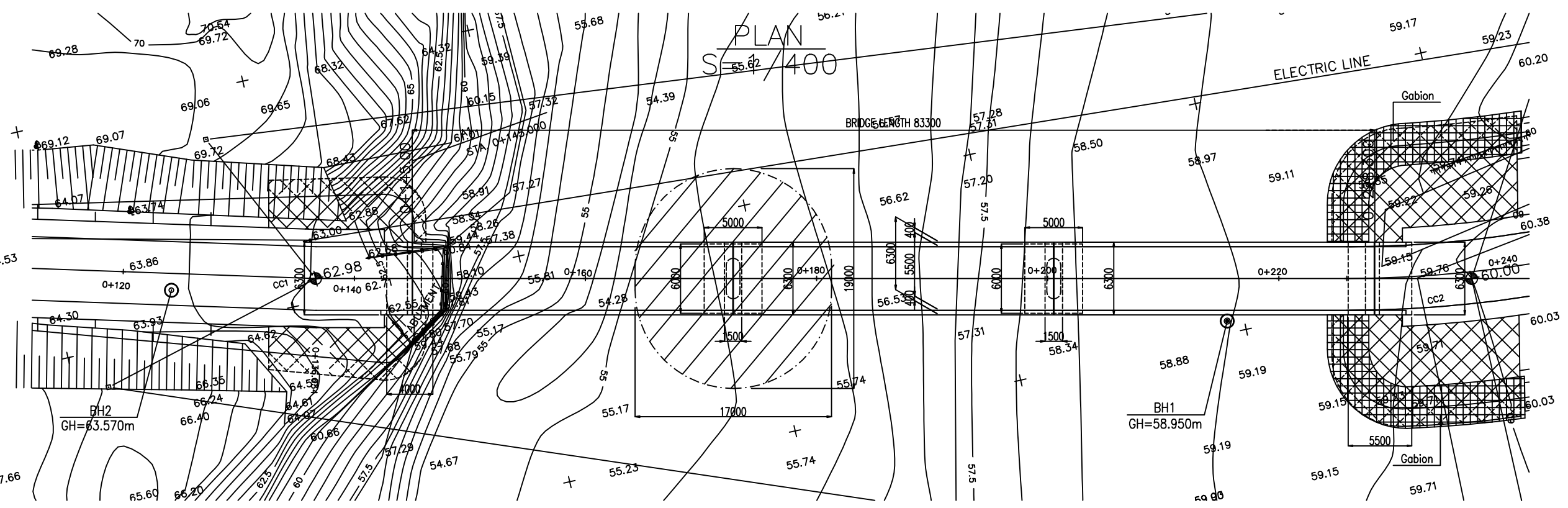


CROSS SECTION FOR PC GIRDER
 $S=1/100$
GIRDER LENGTH 27700



DESIGN CRITERIA

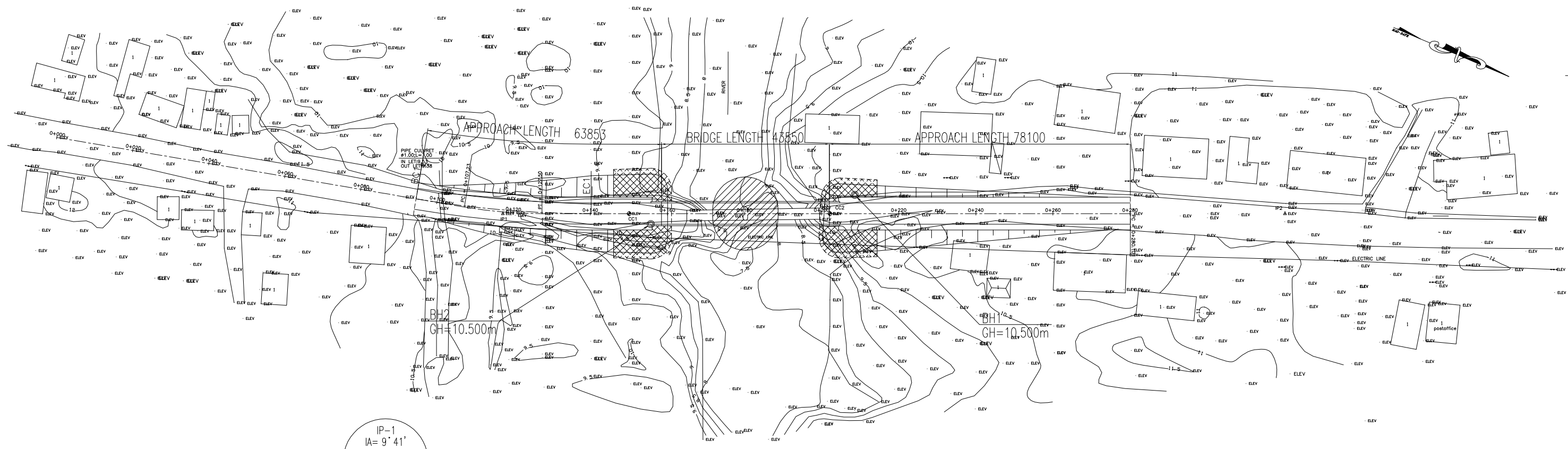
General Condition	
Design Live Load	H13,X60
Design Speed	$V=40km/h$
Bridge Length(Span Length)	83.30m(27.00m+27.00m+27.00m)
Free Board	0.5m
Longitudinal Gradient	0.3%
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestress Concrete
Sub Structure Type	Abutment Reinforced Concrete
	Pier Reinforced Concrete
Foundation Type	Abutment Spread Foundation
	Pier Steel Pile #600
Material Strength	
Super Structure Type	Girder $\sigma=28=35N/mm^2$
	Cross Beam $\sigma=28=30N/mm^2$
	Slab $\sigma=28=30N/mm^2$
Surface	Curb,Handrail $\sigma=28=21N/mm^2$
Sub Structure Type	$\sigma=28=21N/mm^2$
Reinforcing Steel	SD295($p_r=295N/mm^2$)



THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	Y.FURUKAWA	H.ENDO	D.ZUNG
SIGNATURE			
DATE			

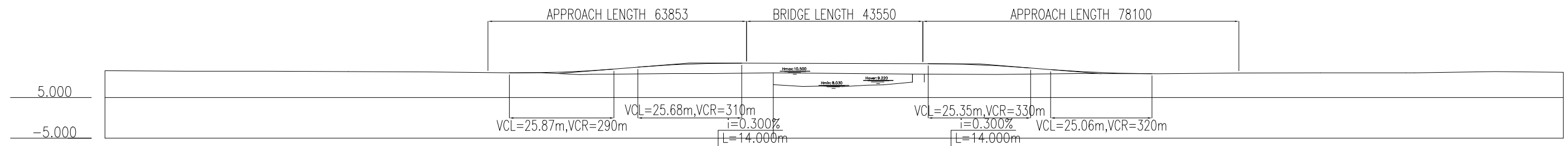
BR.NO.74 BA LE BRIDGE
GENERAL VIEW OF THE SITE

PLAN
S=1/1000



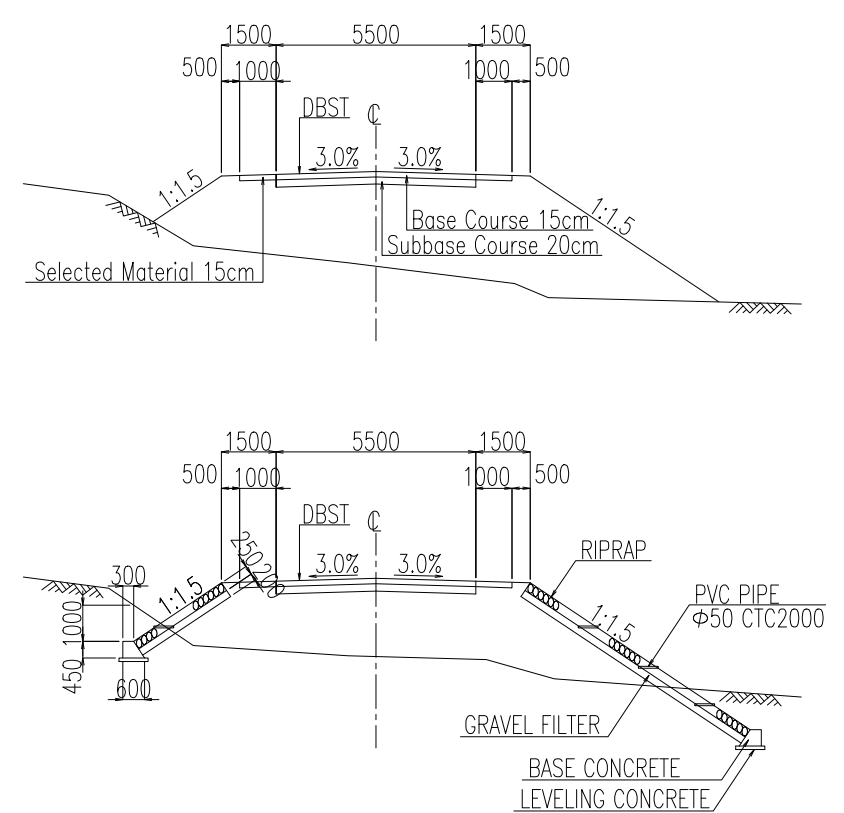
IP-1
IA= 9' 41'
R=270
TL=22.86m
CL=45.60m
SL= 0.97m

PROFILE
S=1/1000



GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION
			0+0.00
			0+20.02
			0+40.09
			0+60.07
			0+80.09
			0+99.883
			0+100.36
			0+101.41
			0+107.23
			0+111.891
			0+117.36
			0+120.11
			0+127.50
			0+140.09
			0+144.450
			0+150.08
			0+158.450
			0+165.06
			0+172.27
			0+177.02
			0+182.21
			0+188.23
			0+192.29
			0+199.45
			0+202.35
			0+202.000
			0+216.000
			0+220.31
			0+240.43
			0+246.090
			0+258.618
			0+260.37
			0+280.10
			0+280.49
			0+300.26
			0+301.33
			0+321.37
			0+323.45
			0+343.43
			0+360.2

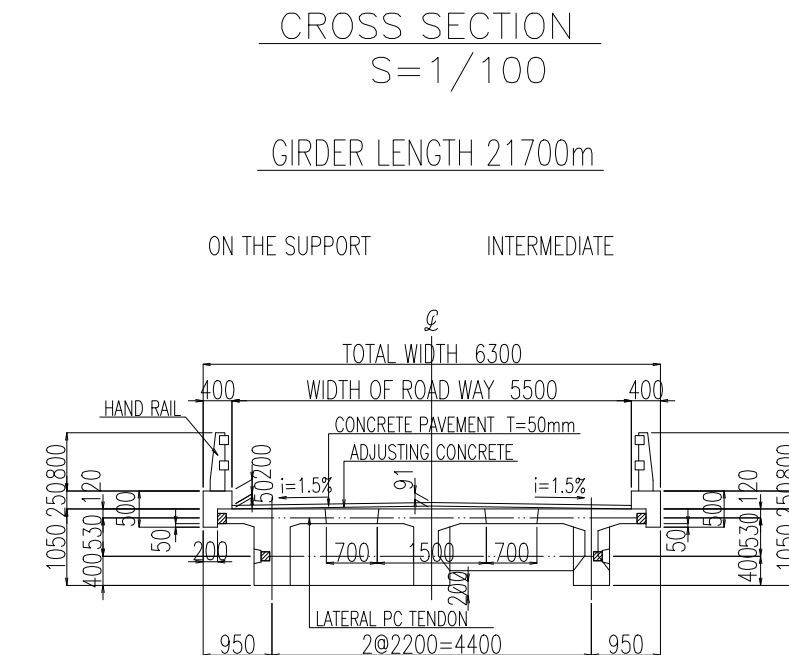
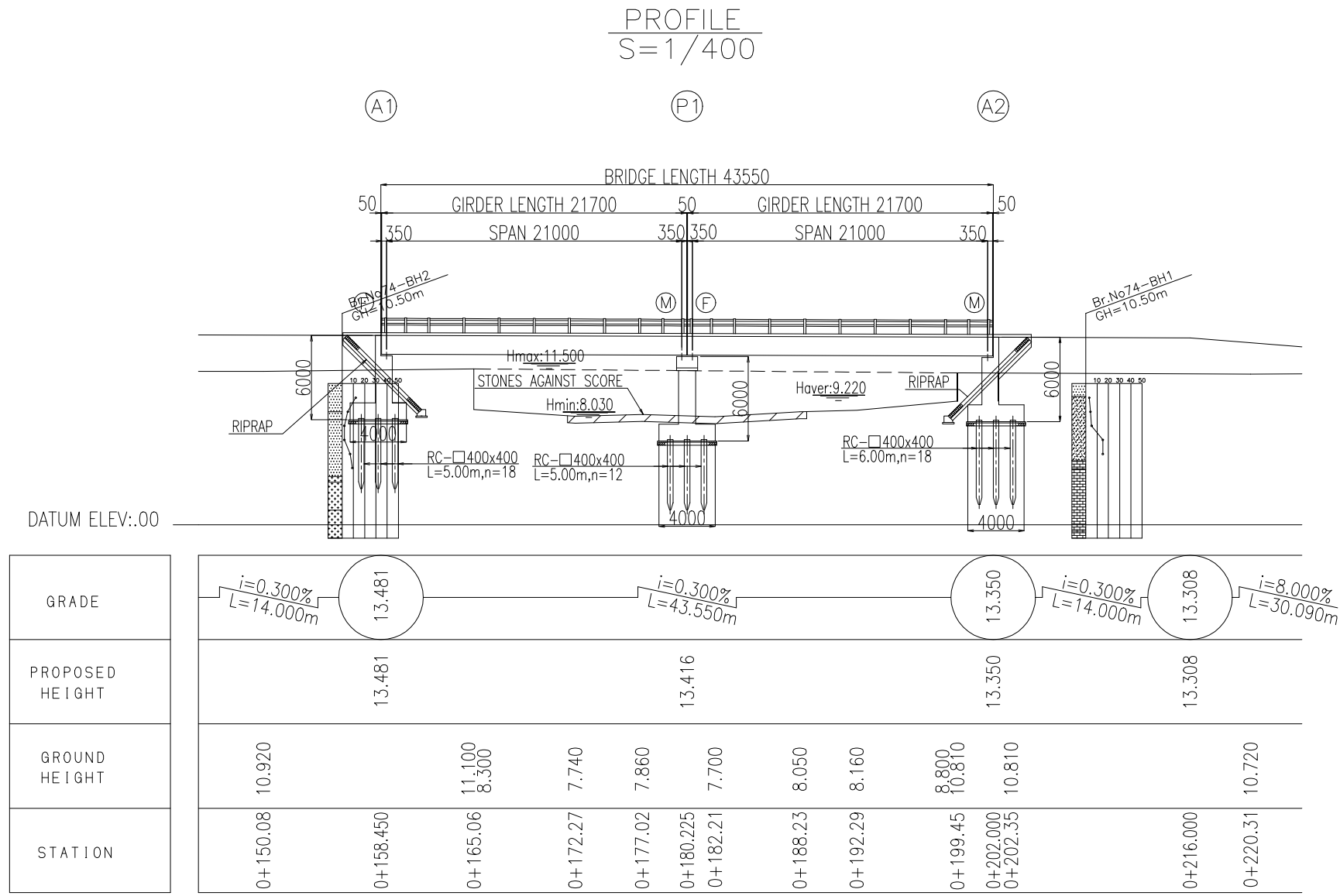
TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



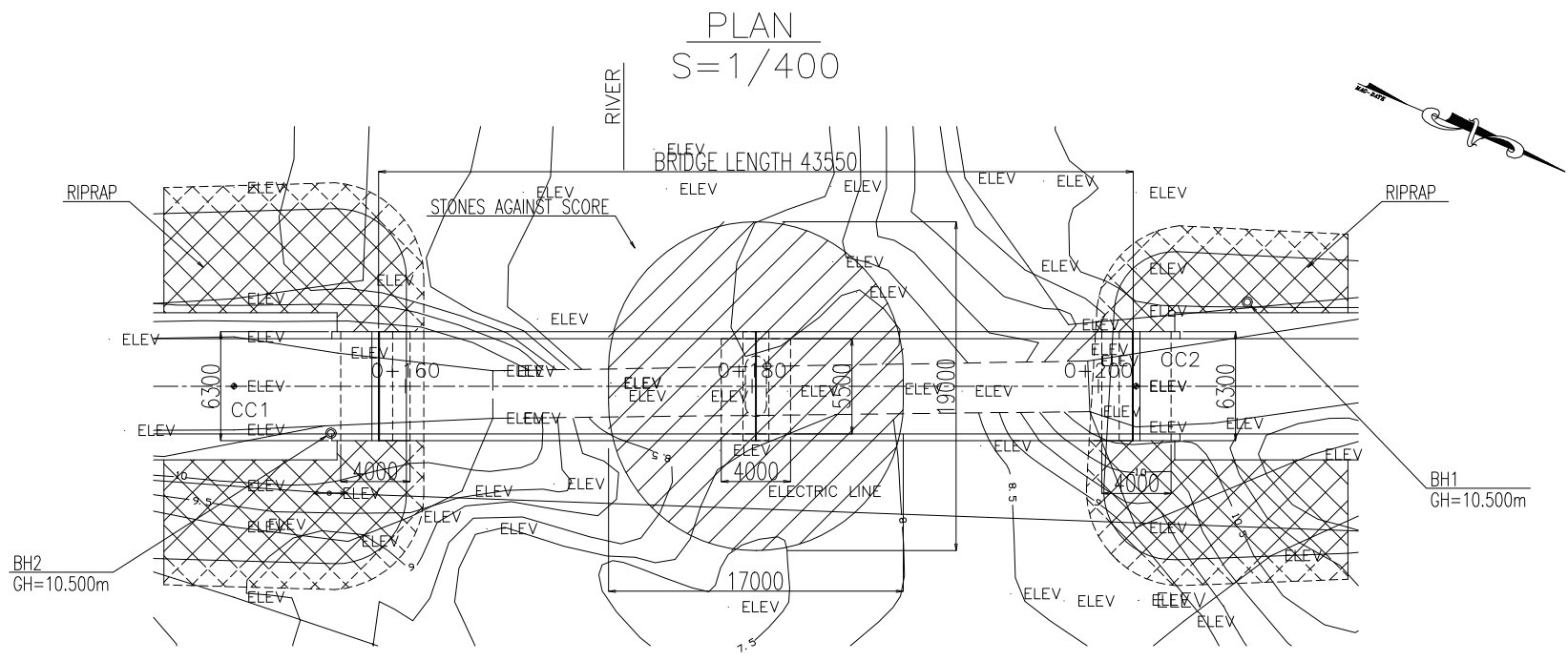
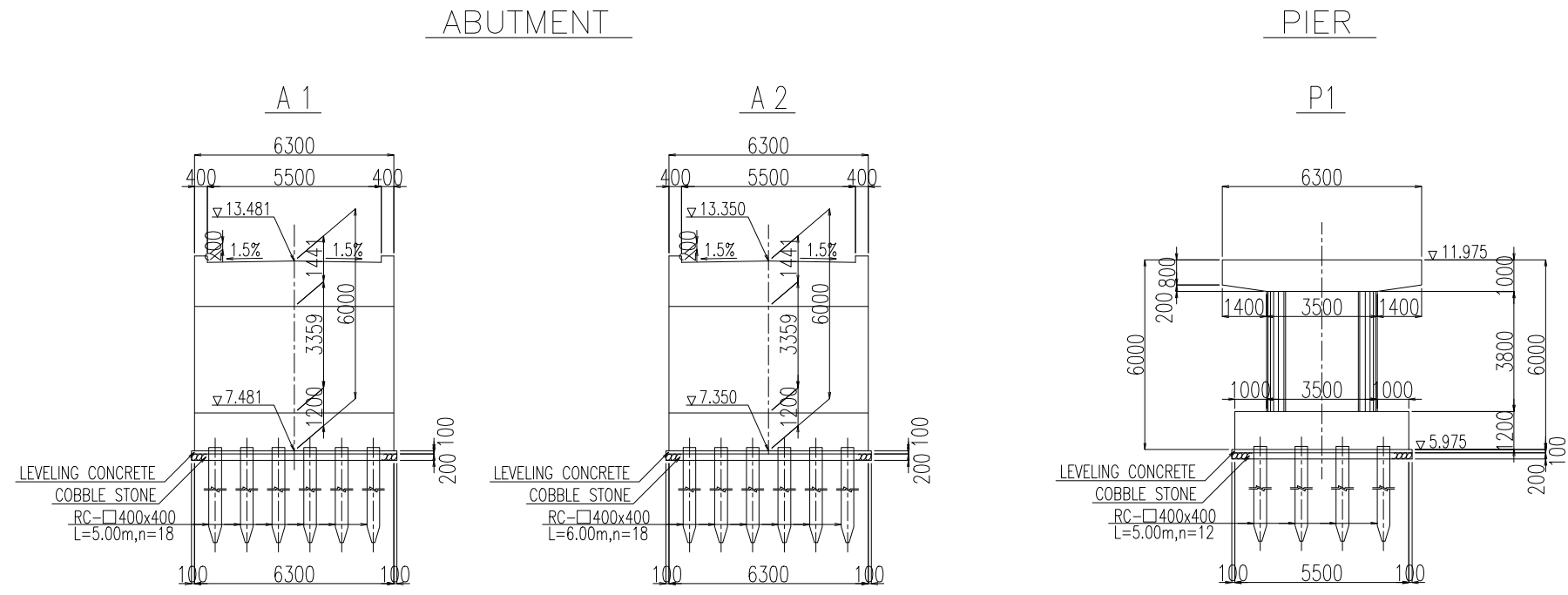
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO. 10, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE GENERAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	Y.FURUKAWA	HELENDI	DUANG
SIGNATURE			
DATE			

BR.NO.74 BA LE BRIDGE
GENERAL VIEW OF THE BRIDGE

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/200, 1/400	C-3	1 OF 1
DRAWING TITLE	BRIDGE STRUCTURE (BR.NO.74 BA LE BRIDGE)		
REV. NO.	DATE	DESCRIPTION	SIGNATURE



FRONT VIEW
S=1/200



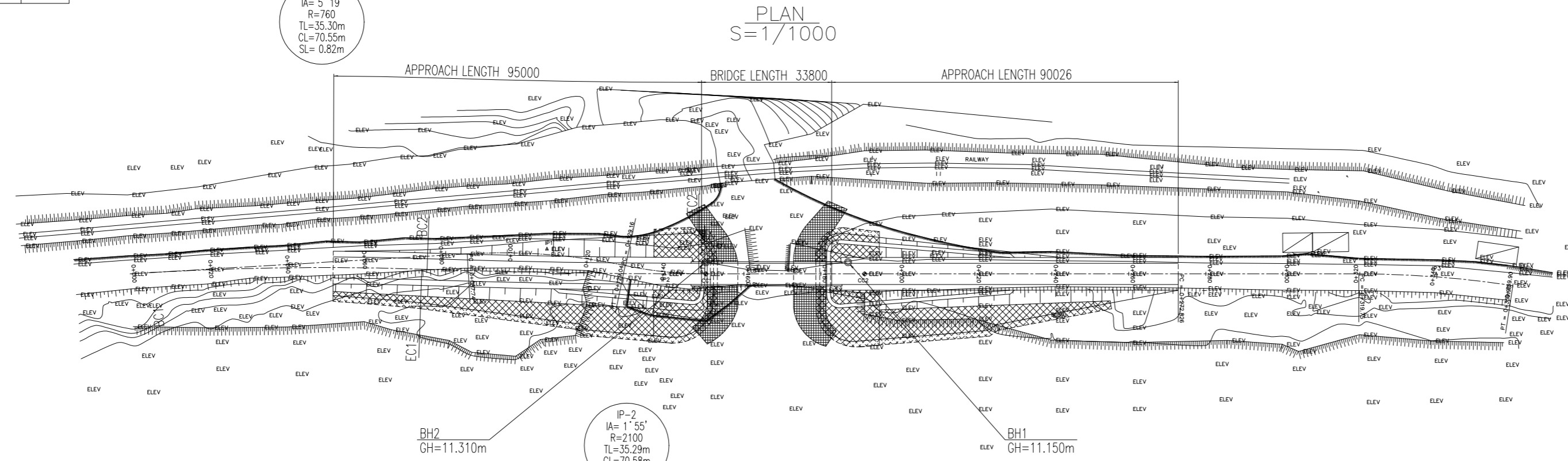
DESIGN CRITERIA

General Condition	
Design Live Load	H13,X60
Design Speed	V=25km/h
Bridge Length(Span Length)	43.55m(21.00m+21.00m)
Freeboard	0.5m
Longitudinal Gradient	0.30 %
Cross-fall of Carriage way	1.50 %
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment Reinforced Concrete
	Pier Reinforced Concrete
Foundation Type	Abutment A1:Rc Pile □400x400
	A2:Rc Pile □400x400
	Pier P1:Rc Pile □400x400
Material Strength	
Super Structure Type	Girder σ 28=35N/mm ²
	Cross Beam σ 28=30N/mm ²
	Slab σ 28=30N/mm ²
Surface	Curb,Handrail σ 28=21N/mm ²
Sub Structure Type	σ 28=21N/mm ²
Reinforcing Steel	SD295(py=295N/mm ²)

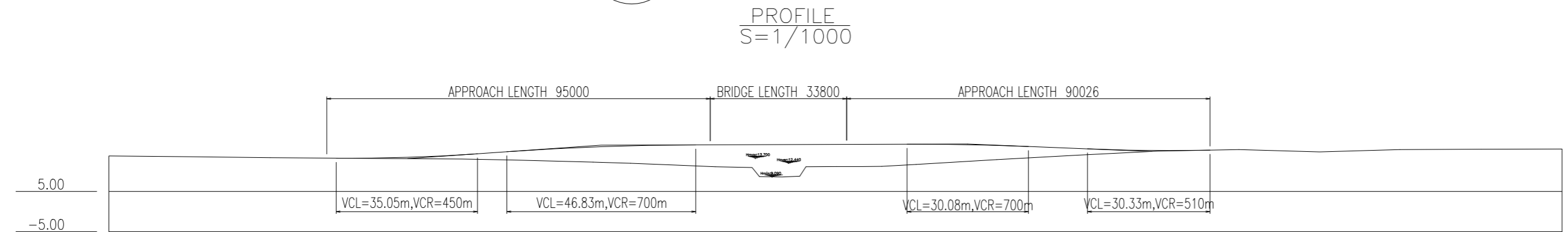
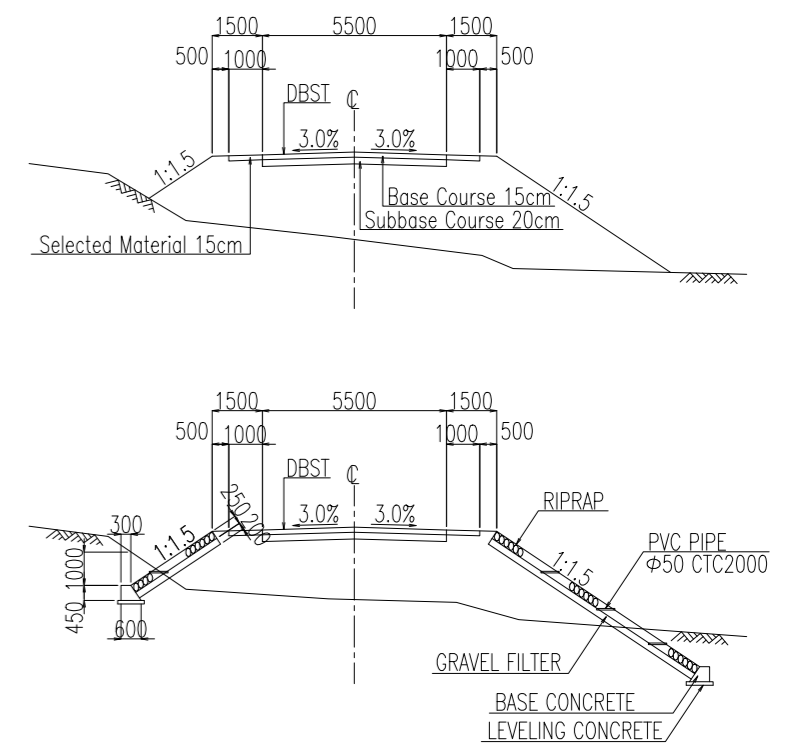
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM			
CONSULTANT CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS			
DESIGNED BY	CHECKED BY	APPROVED BY	
Y.FURUKAWA	H.ENDO	D.ZUNG	
SIGNATURE			
DATE			

BR.NO.78 TRA O BRIDGE
GENERAL VIEW OF THE SITE

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200, 1/1000	C-1	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.78 TRA O BRIDGE)		
REV. NO.	DATE	DESCRIPTION	SIGNATURE



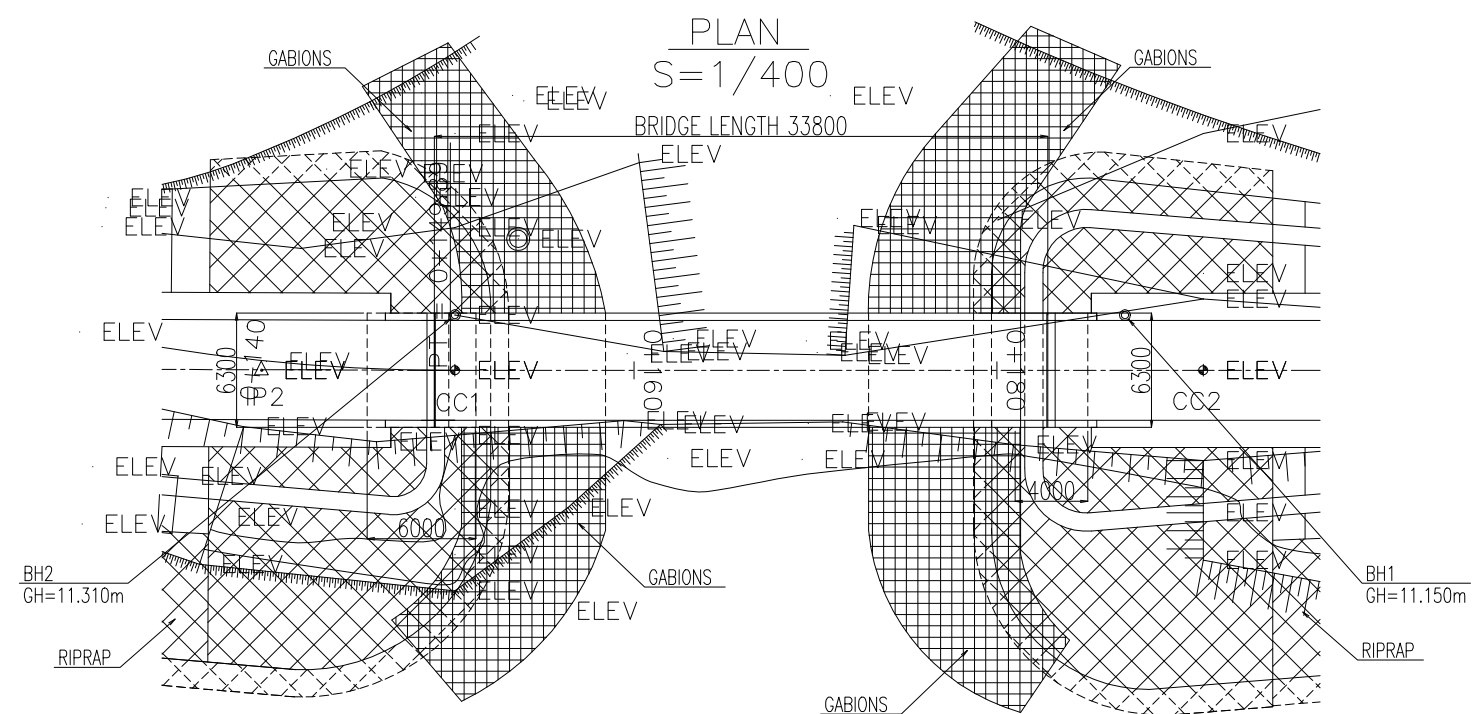
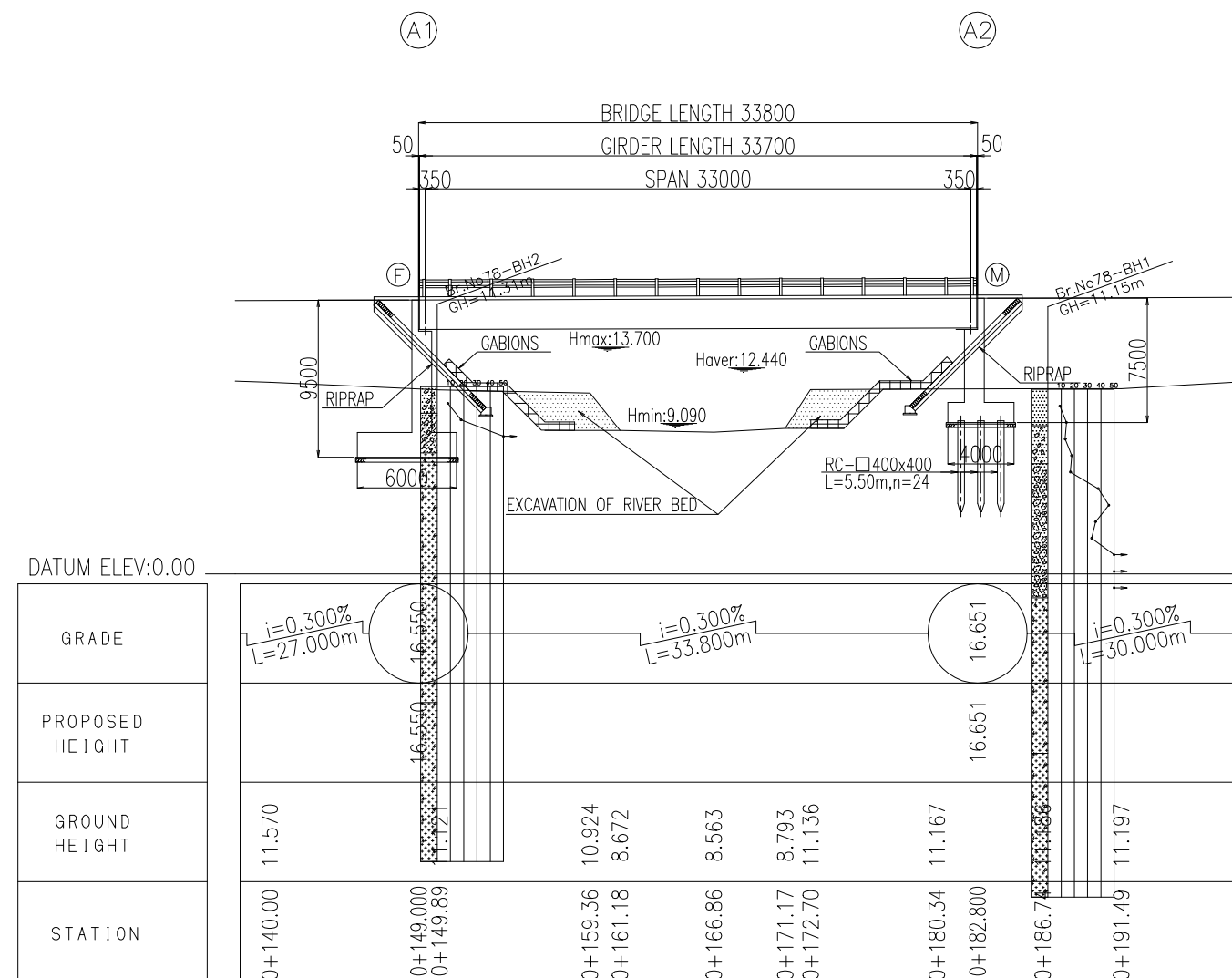
TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



GRADE	13.239	13.112	$i=7.000\%$ $L=47.962m$		16.469	$i=0.300\%$ $L=27.000m$		16.550	$i=0.300\%$ $L=33.800m$		16.651	$i=0.300\%$ $L=30.000m$		16.740	$i=4.000\%$ $L=45.637m$		14.915	15.242																		
PROPOSED HEIGHT	13.239	13.415	14.324	14.833	16.076	16.539	16.550	16.651	16.695	16.578	16.139	15.552	15.129	15.242																						
GROUND HEIGHT	13.790	13.620	13.370	13.210	13.070	13.010	12.780	12.280	11.960	11.570	11.121	10.924	8.672	8.563	8.793	11.136	11.167	11.186	11.197	11.672	12.882	14.012	15.362	15.453	15.523											
STATION	0+0.00	0+20.00	0+40.00	0+56.322	0+60.00	0+74.038	0+80.00	0+87.74	0+99.98	0+119.98	0+122.000	0+129.16	0+140.00	0+149.000	0+149.89	0+159.36	0+161.18	0+166.86	0+171.17	0+172.70	0+180.34	0+182.800	0+186.74	0+191.49	0+200.00	0+212.800	0+220.00	0+240.00	0+258.437	0+260.000	0+272.826	0+280.00	0+300.00	0+319.75	0+340.00	0+359.90

THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.10, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE GENERAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	Y.FURUKAWA	HELENDU	DUANG
SIGNATURE			
DATE			

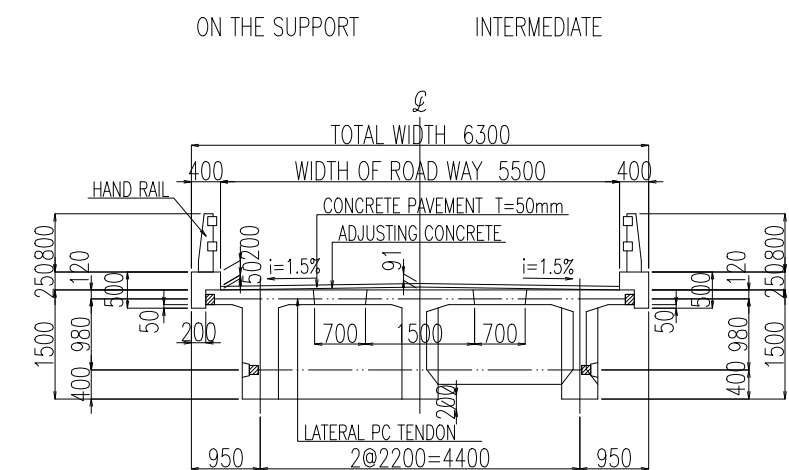
PROFILE
S=1/400



BR.NO.78 TRA O BRIDGE
GENERAL VIEW OF THE BRIDGE

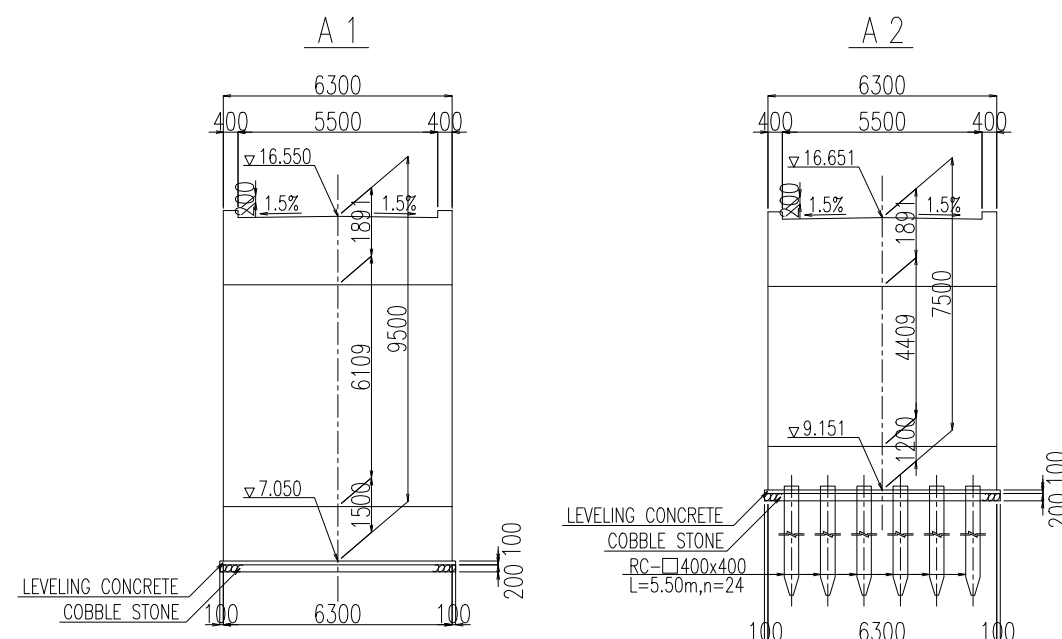
CROSS SECTION
S=1/100

GIRDER LENGTH 33700



FRONT VIEW
S=1/200

ABUTMENT



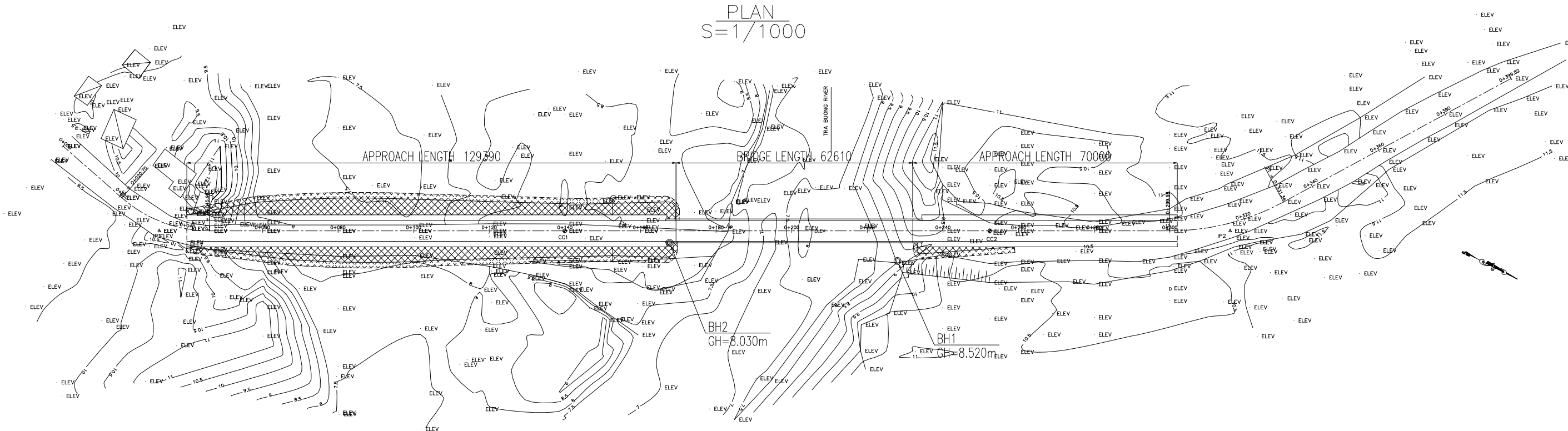
DESIGN CRITERIA

General Condition	
Design Live Load	H13,X60
Design Speed	V=40km/h
Bridge Length(Span Length)	33.80m(33.00m)
Freeboard	1.0m
Longitudinal Gradient	0.30 %
Cross-fall of Carriage way	1.50 %
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment Reinforced Concrete
	Pier Reinforced Concrete
Foundation Type	Abutment A1: Spread foundation
	Pier A2: Rc Pile $\square 400 \times 400$
Material Strength	
Super Structure Type	Girder $\sigma 28=35N/mm^2$
	Cross Beam $\sigma 28=30N/mm^2$
	Slab $\sigma 28=30N/mm^2$
Surface	Curb, Handrail $\sigma 28=21N/mm^2$
Sub Structure Type	$\sigma 28=21N/mm^2$
Reinforcing Steel	SD295($p_y=295N/mm^2$)

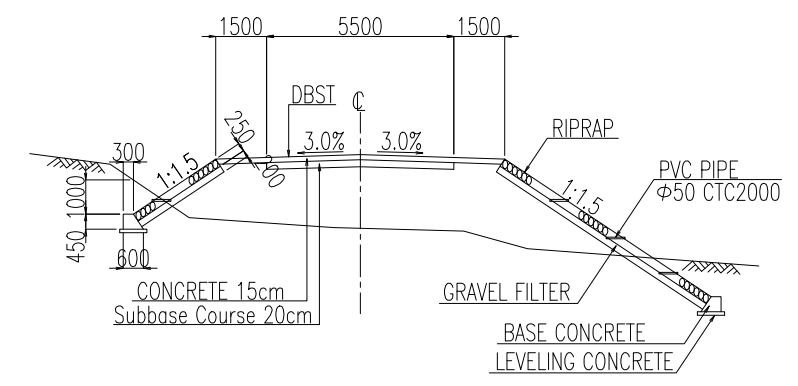
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED BY	
Y.FURUKAWA	H.ENDO	D.ZUNG	
SIGNATURE			
DATE			

BR.NO.79 TRA BUONG BRIDGE
GENERAL VIEW OF THE SITE

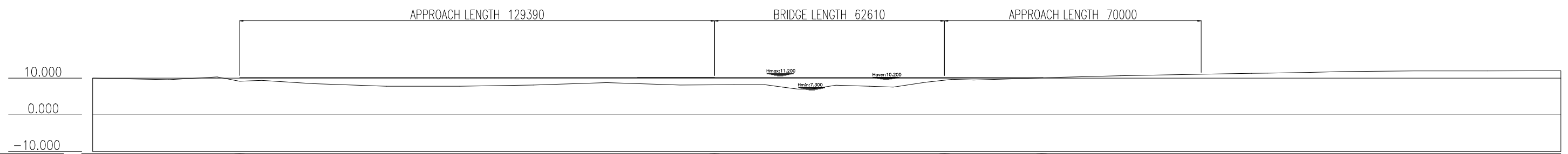
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200, 1/1000	C-1	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.79 TRA BUONG BRIDGE)		
REV.NO.	DATE	DESCRIPTION	SIGNATURE



TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



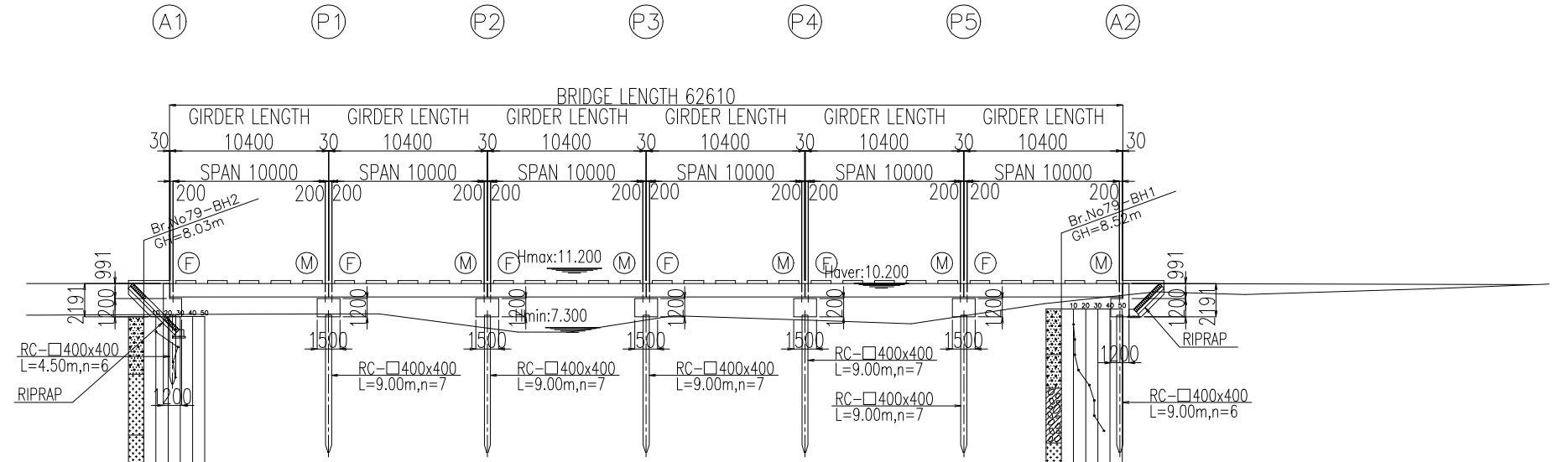
PROFILE
S=1/1000



GRADE	10.200		LEVEL L=129.390m		10.200	LEVEL L=62.610m		10.200	$i=0.300\%$ $L=26.938m$	10.119																										
PROPOSED HEIGHT	10.200		10.200		10.200		10.200		10.119																											
GROUND HEIGHT	10.000	9.590	10.330	9.140	9.410	8.480	7.800	7.790	8.130	8.790	8.120	8.190	8.200	7.570	7.000	7.000	8.090	7.780	7.560	8.880	9.660	9.480	9.870	10.160	10.680	11.030	11.330	11.360	11.570	11.770	11.980	11.990	12.030			
STATION	0+0.00	0+20.70	0+33.90	0+40.00	0+46.00	0+60.00	0+80.00	0+100.00	0+120.00	0+140.00	0+160.00	0+169.390	0+174.67	0+183.14	0+187.96	0+192.26	0+195.66	0+202.49	0+211.59	0+218.11	0+226.85	0+232.000	0+234.15	0+240.00	0+252.45	0+258.937	0+260.00	0+280.00	0+300.00	0+315.70	0+320.00	0+331.40	0+340.00	0+360.00	0+380.00	0+400.00

THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECT MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORENDA CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED BY	
Y.FURUKAWA	H.ENDO	DUANG	
SIGNATURE			
DATE			

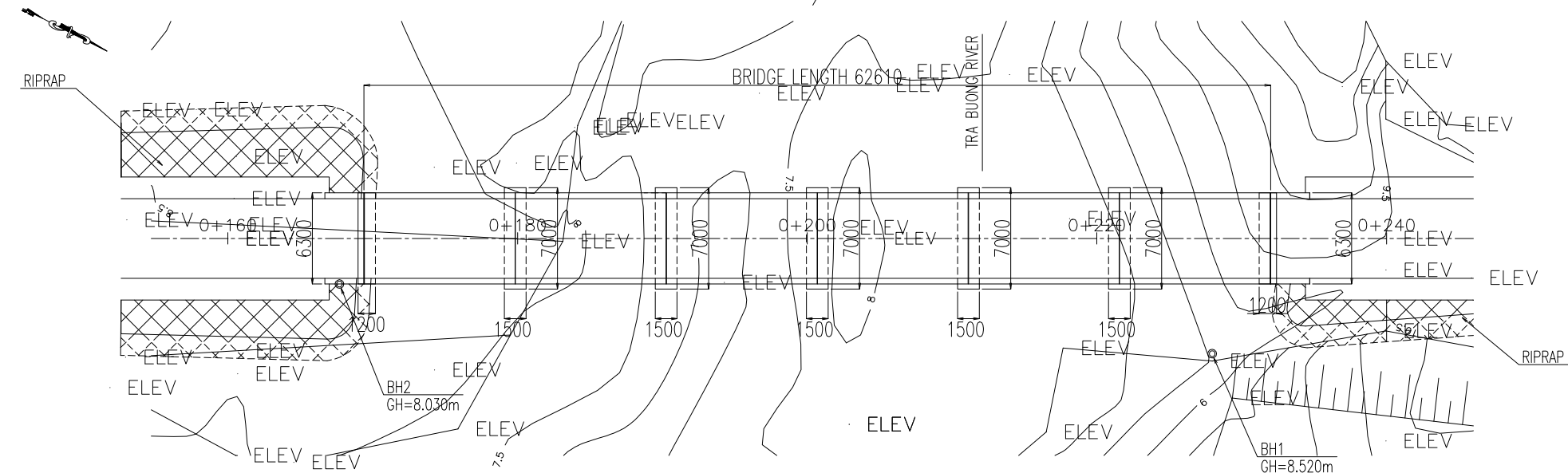
PROFILE
S=1/400



DATUM ELEV: -5.00

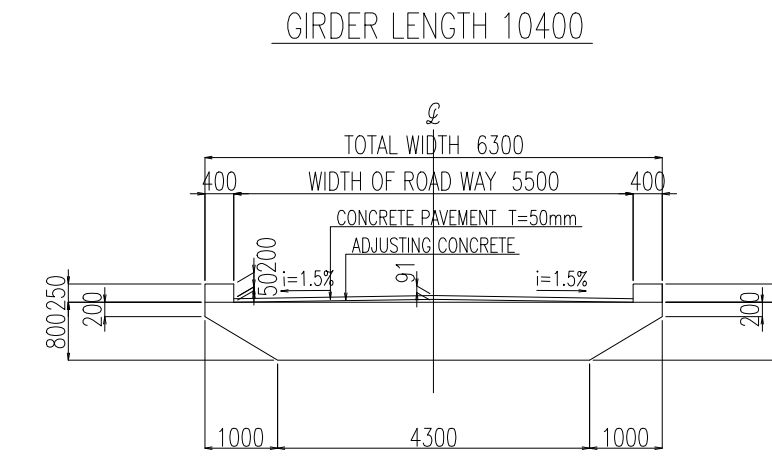
GRADE	LEVEL L=129.390m		LEVEL L=62.610m												LEVEL L=26.938m							
PROPOSED HEIGHT	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.119					
GROUND HEIGHT	8.120	8.190	8.200	7.570	7.000	7.000	8.090	7.780	7.560	8.880	9.660	9.480	9.870	10.160								
STATION	0+160.00	0+169.390	0+174.67	0+179.835	0+183.14	0+187.96	0+190.265	0+192.26	0+195.66	0+200.895	0+202.49	0+211.125	0+211.59	0+218.11	0+221.555	0+226.85	0+232.000	0+234.15	0+240.00	0+252.45	0+258.938	0+260.00

PLAN
S=1/400



BR.NO.79 TRA BUONG BRIDGE
GENERAL VIEW OF THE BRIDGE

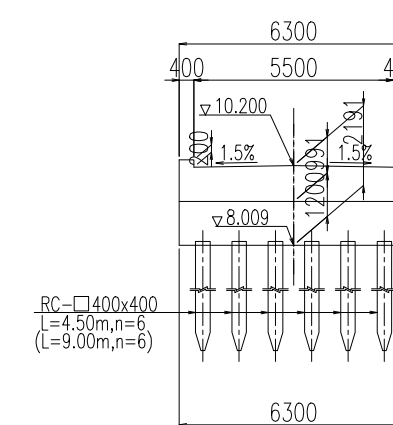
CROSS SECTION
S=1/100



FRONT VIEW
S=1/200

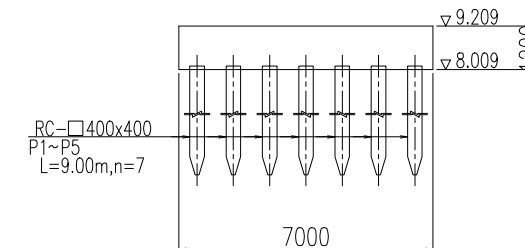
ABUTMENT

A1, (A2)



PIER

P1~P5



DESIGN CRITERIA

General Condition	
Design Live Load	H13,X60
Design Speed	V=40km/h
Bridge Length(Span Length)	62.61m(10.00mX6)
Freeboard	1.0m
Longitudinal Gradient	0.30 %
Cross-fall of Carriage way	1.50 %
Super Structure Type	Reinforced Concrete
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Abutment Rc Pile D400x400 Pier Rc Pile D400x400
Material Strength	
Super Structure Type	Slab $\sigma_{28}=30N/mm^2$
Surface	Curb,Handrail $\sigma_{28}=21N/mm^2$
Sub Structure Type	Pier $\sigma_{28}=21N/mm^2$
Reinforcing Steel	SD295($\sigma_y=295N/mm^2$)