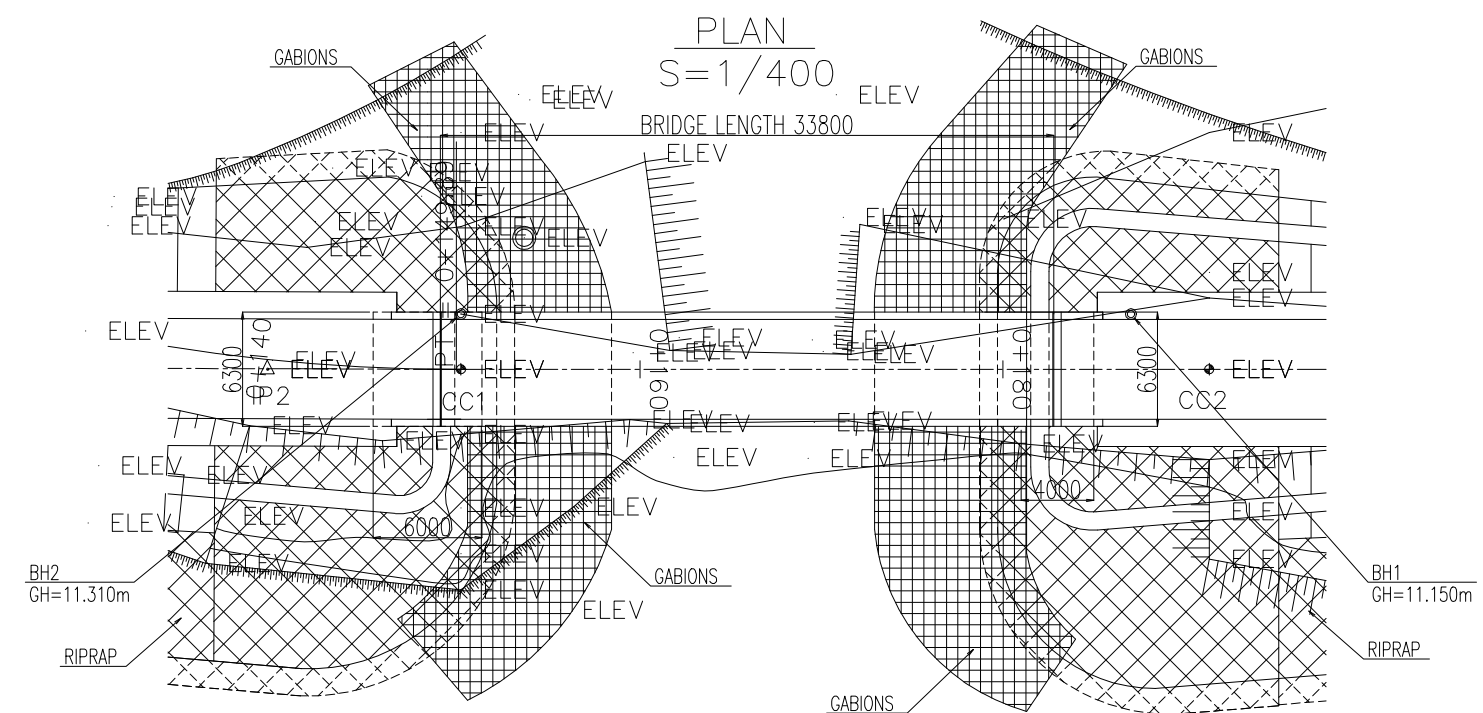
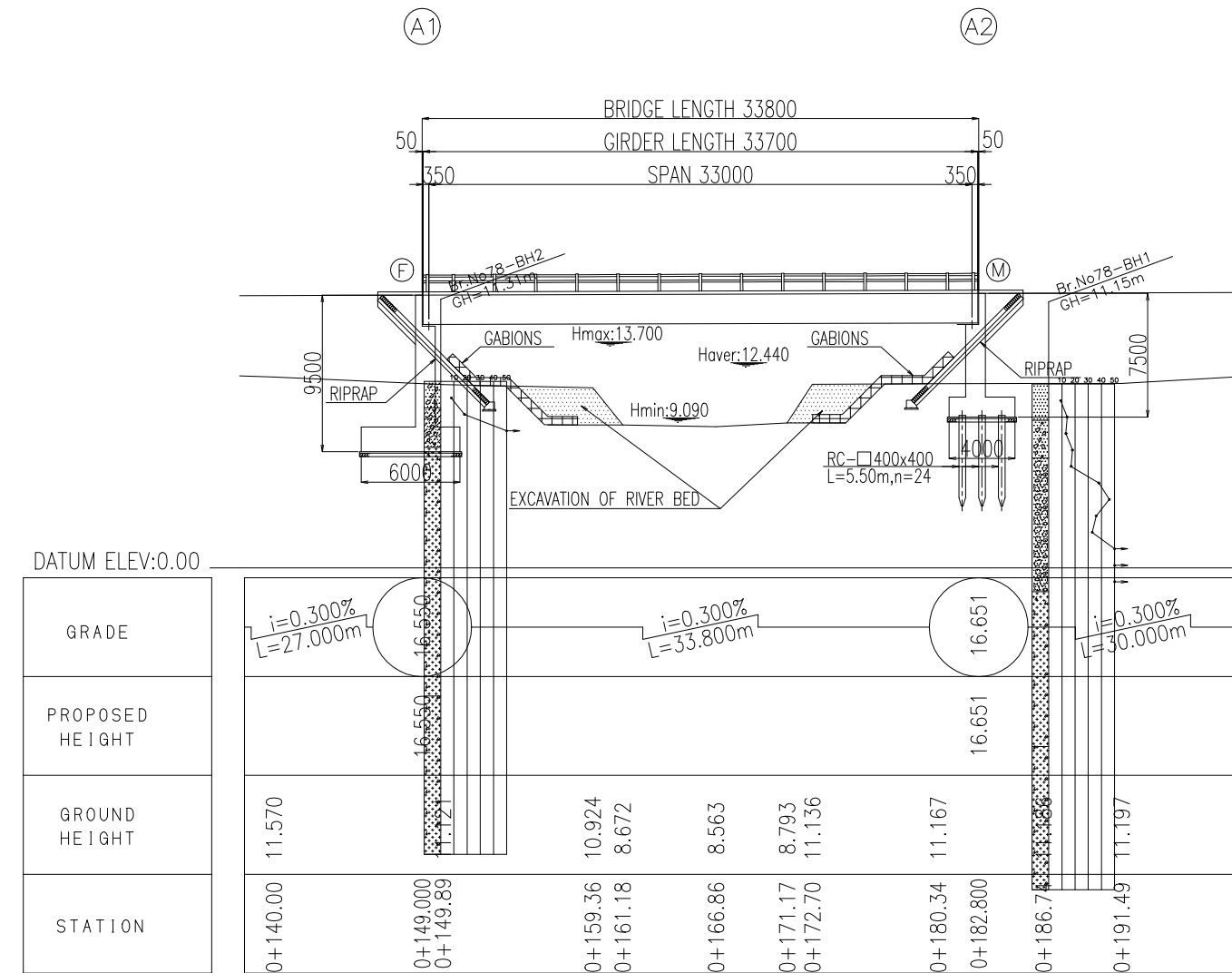


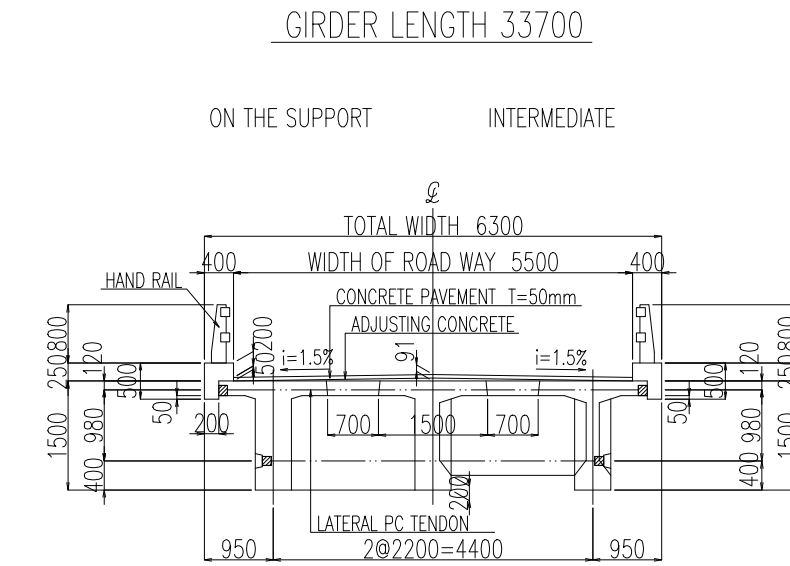
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.10, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE GENERAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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

PROFILE
S=1/400



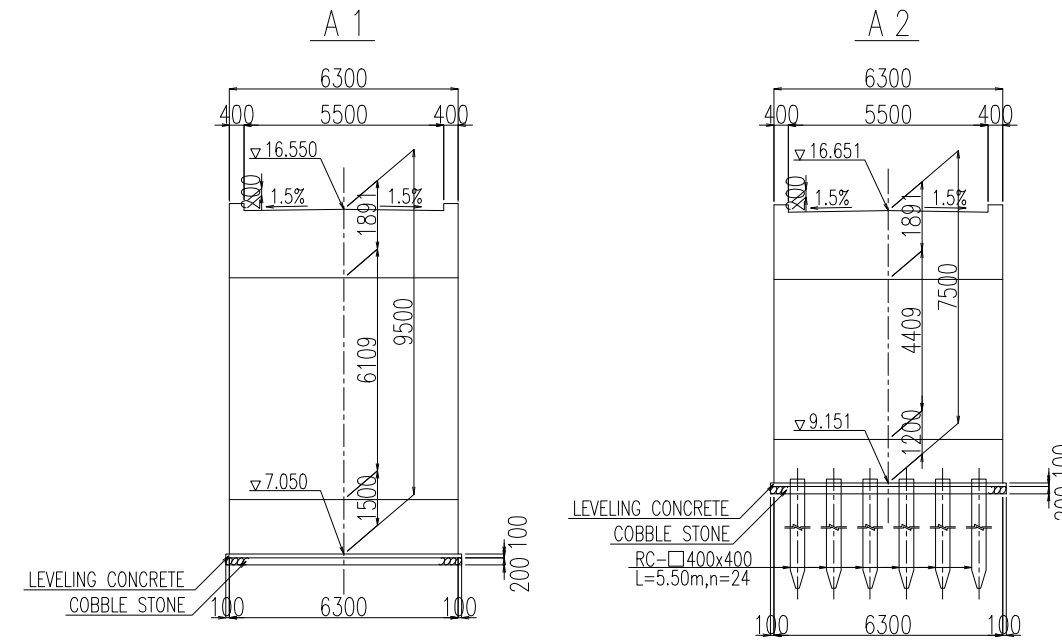
BR.NO.78 TRA O BRIDGE
GENERAL VIEW OF THE BRIDGE

CROSS SECTION
S=1/100



FRONT VIEW
S=1/200

ABUTMENT



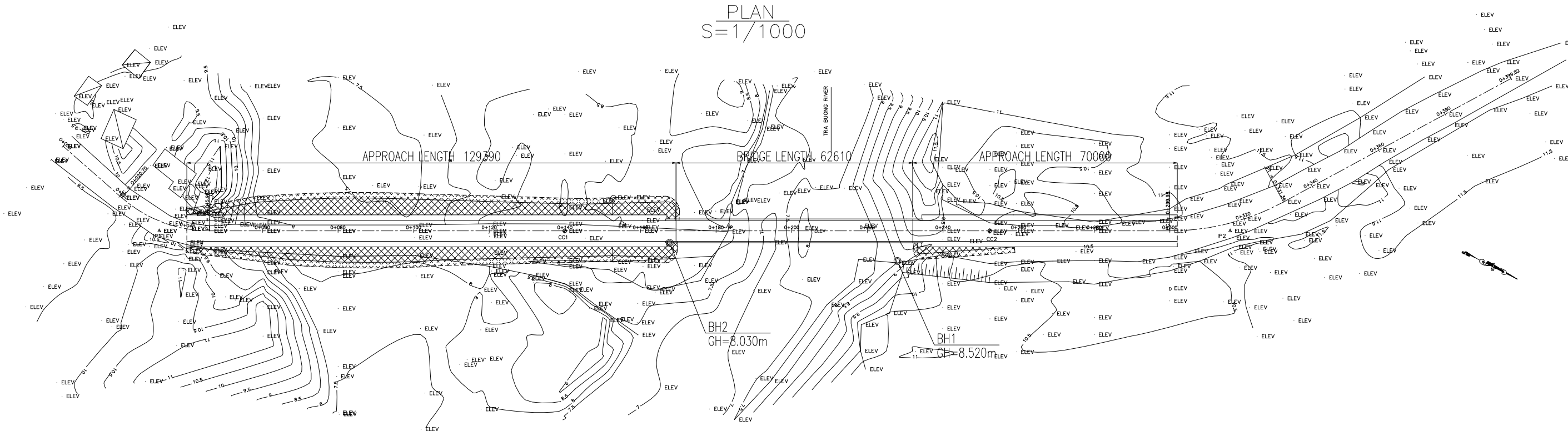
DESIGN CRITERIA

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 □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)

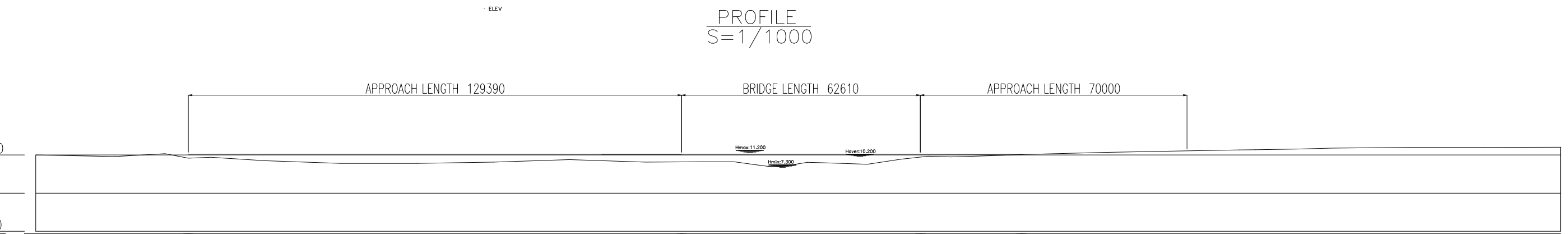
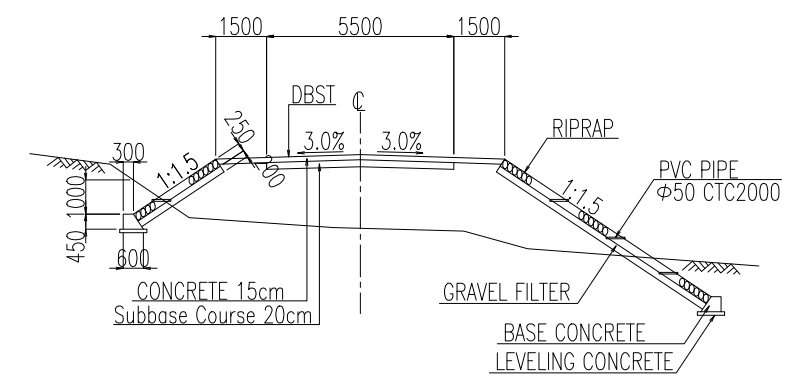
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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

BR.NO.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



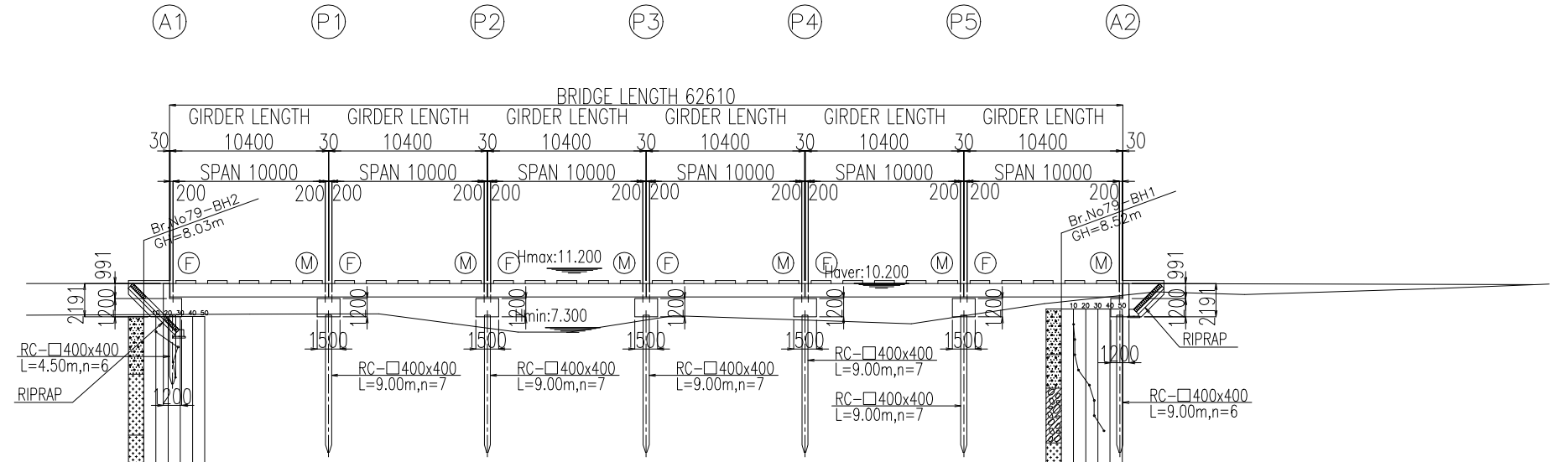
TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



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			10.119																									
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			

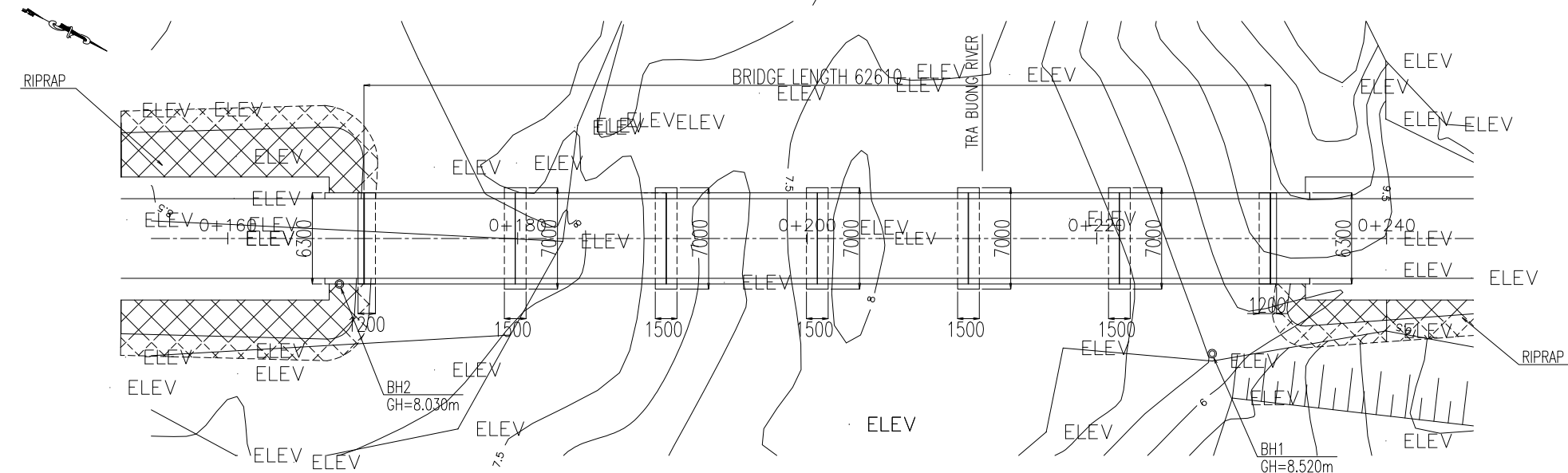
PROFILE
S=1/400



DATUM ELEV: -5.00

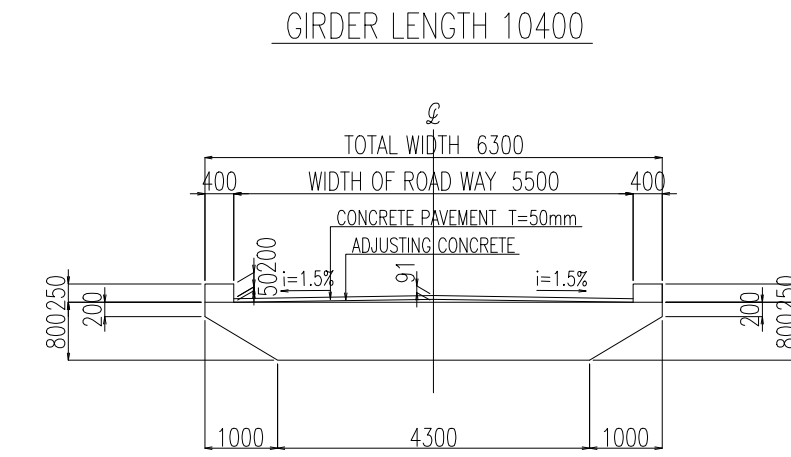
GRADE	LEVEL		LEVEL		LEVEL		LEVEL		LEVEL		LEVEL											
	L=129.390m		L=62.610m		L=62.610m		L=62.610m		L=62.610m		L=26.938m											
PROPOSED HEIGHT	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.200	10.119	10.119										
GROUND HEIGHT	8.120	8.190	8.200	7.570	7.000	7.000	8.090	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

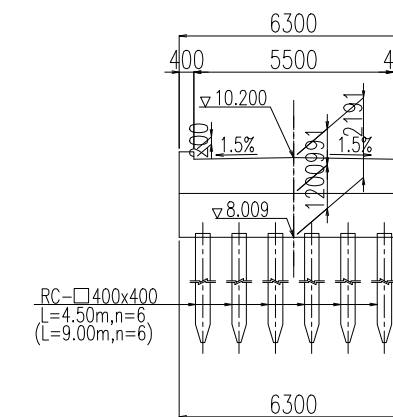
CROSS SECTION
S=1/100



FRONT VIEW
S=1/200

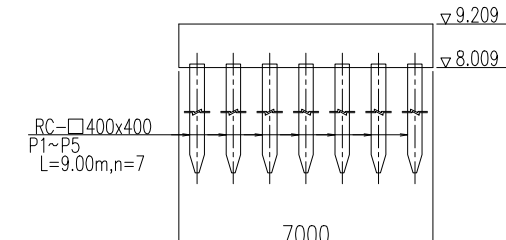
ABUTMENT

A1, (A2)



PIER

P1~P5



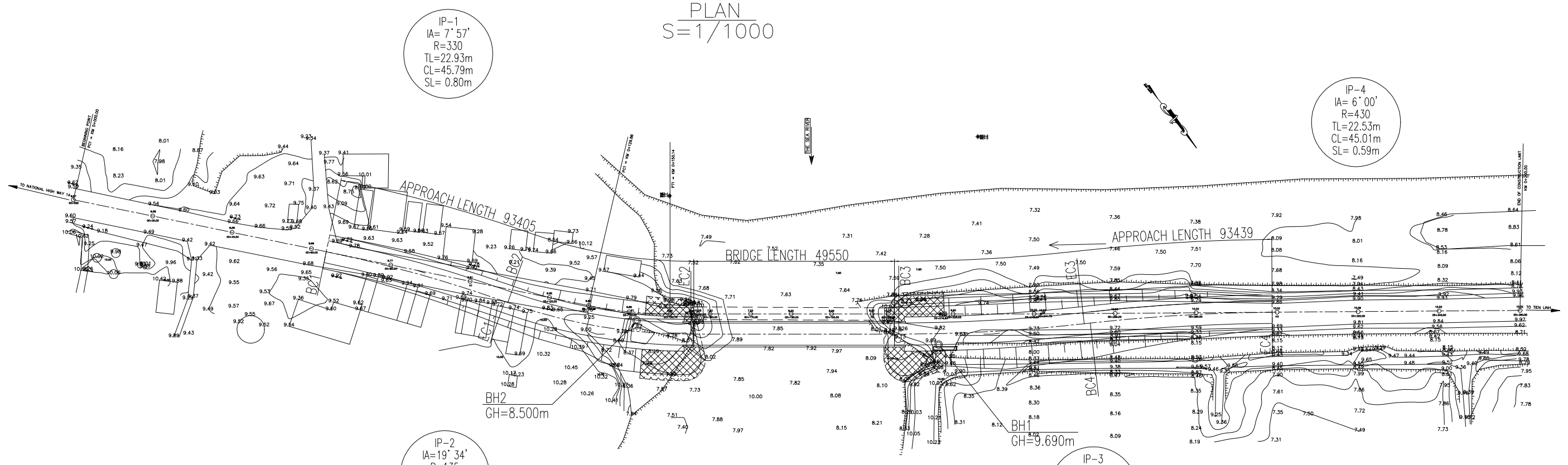
DESIGN CRITERIA

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($\sigma_y=295N/mm^2$)

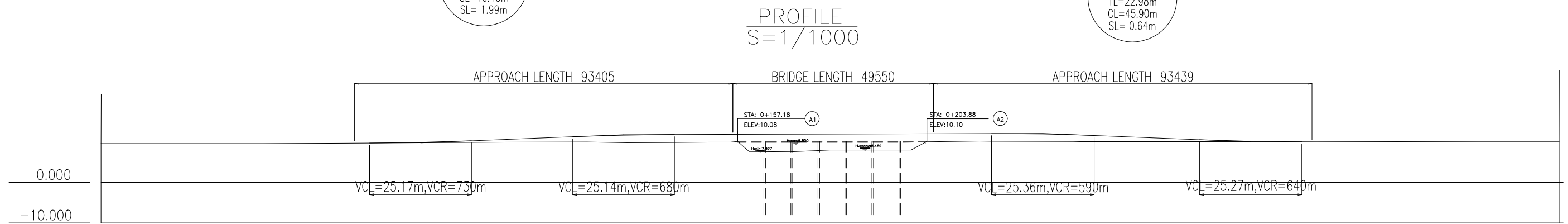
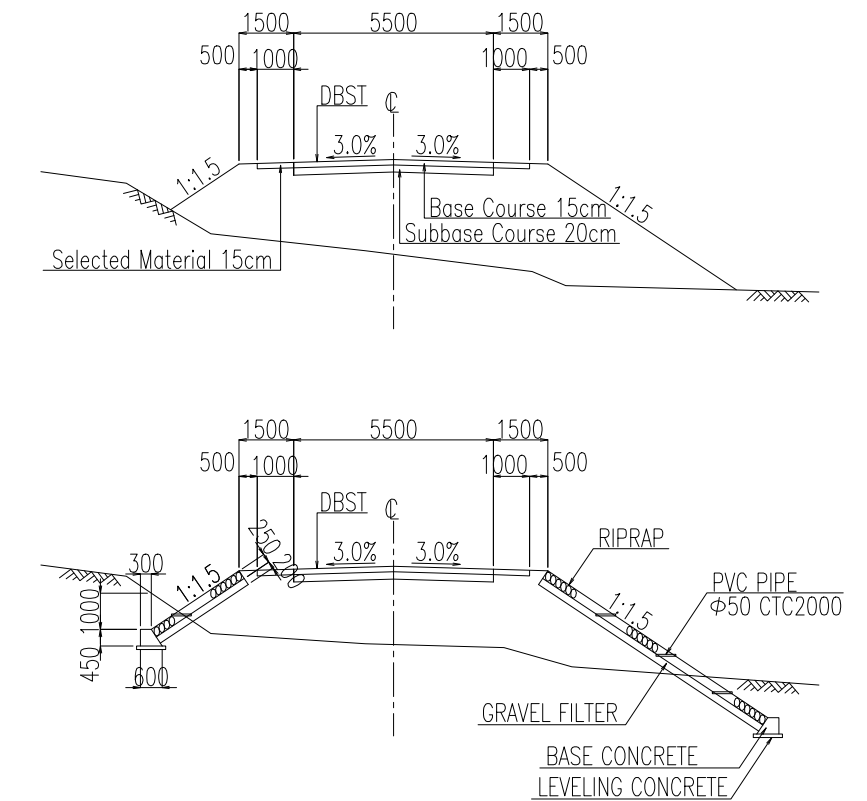
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	Y.FURUKAWA	CHECKED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

BR.NO.83 NGOI NGAN 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.83 NGOI NGAN BRIDGE)		
REV.NO.	DATE	DESCRIPTION	SIGNATURE



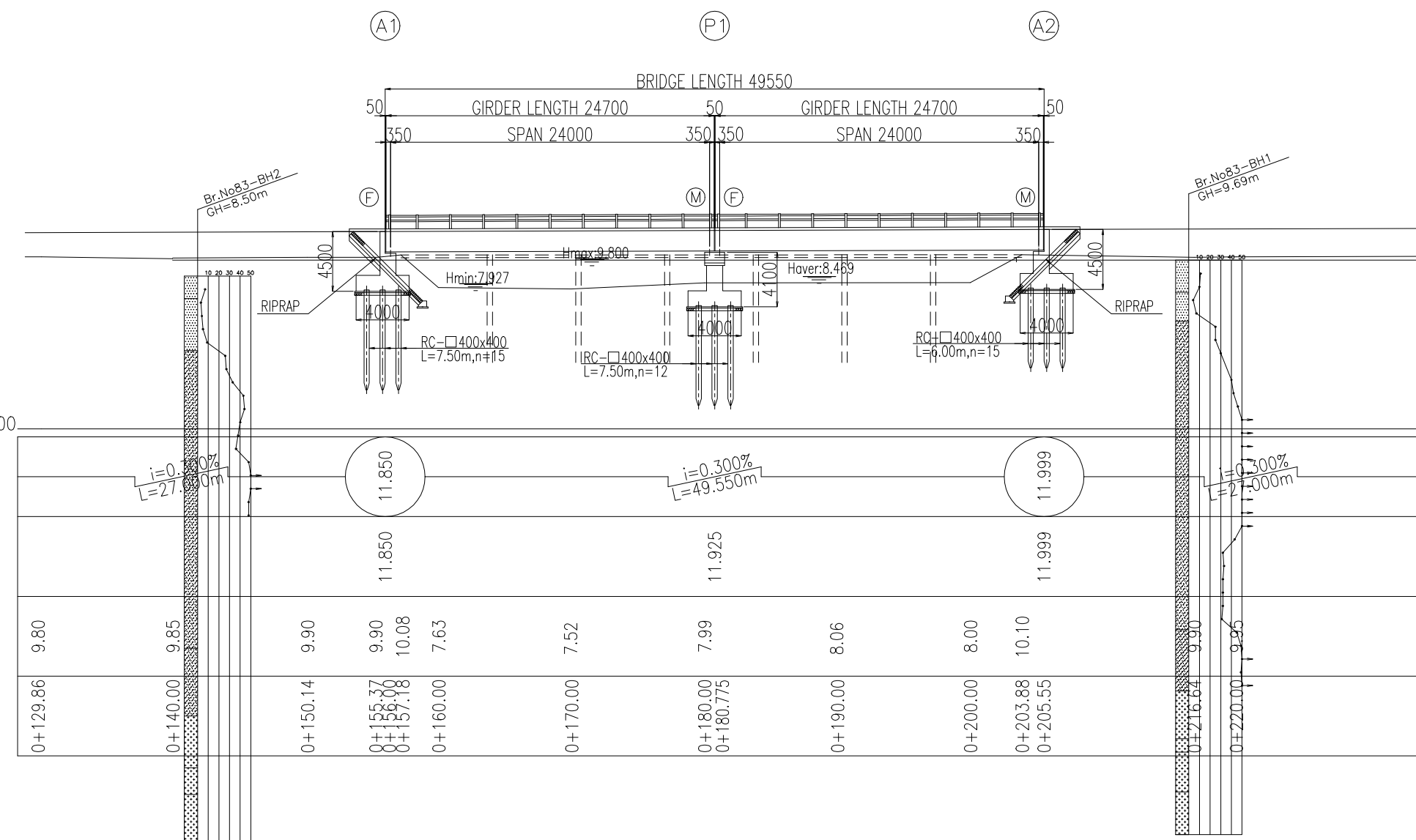
TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



GRADE	9.694	9.764	$i=4.000\%$ $L=50.125m$		11.769	$i=0.300\%$ $L=27.000m$		11.850	$i=0.300\%$ $L=49.550m$		11.999	$i=0.300\%$ $L=27.000m$		12.080	$i=4.000\%$ $L=51.303m$		10.028	10.022																		
PROPOSED HEIGHT	9.694	9.870	11.653		11.850	11.999		11.944	10.156		10.022	10.06		10.02	10.02		10.02	10.02																		
GROUND HEIGHT	9.57	9.58	9.58	9.66	9.77	9.91	9.95	9.80	9.85	9.90	9.90	10.08	10.08	7.52	7.99	8.06	8.00	10.10	9.90	9.95	10.00	10.03	10.05	10.05	10.03	10.02	10.06	10.02	10.02							
STATION	0+000.00	0+020.00	0+040.00	0+060.00	0+66.289	0+78.875	0+080.00	0+100.00	0+120.00	0+129.000	0+129.86	0+140.00	0+150.14	0+155.77	0+156.000	0+157.18	0+160.00	0+170.00	0+180.00	0+190.00	0+200.00	0+203.88	0+205.550	0+216.64	0+220.00	0+232.550	0+240.00	0+241.75	0+260.00	0+280.00	0+283.863	0+296.488	0+300.00	0+320.00	0+340.00	0+360.00

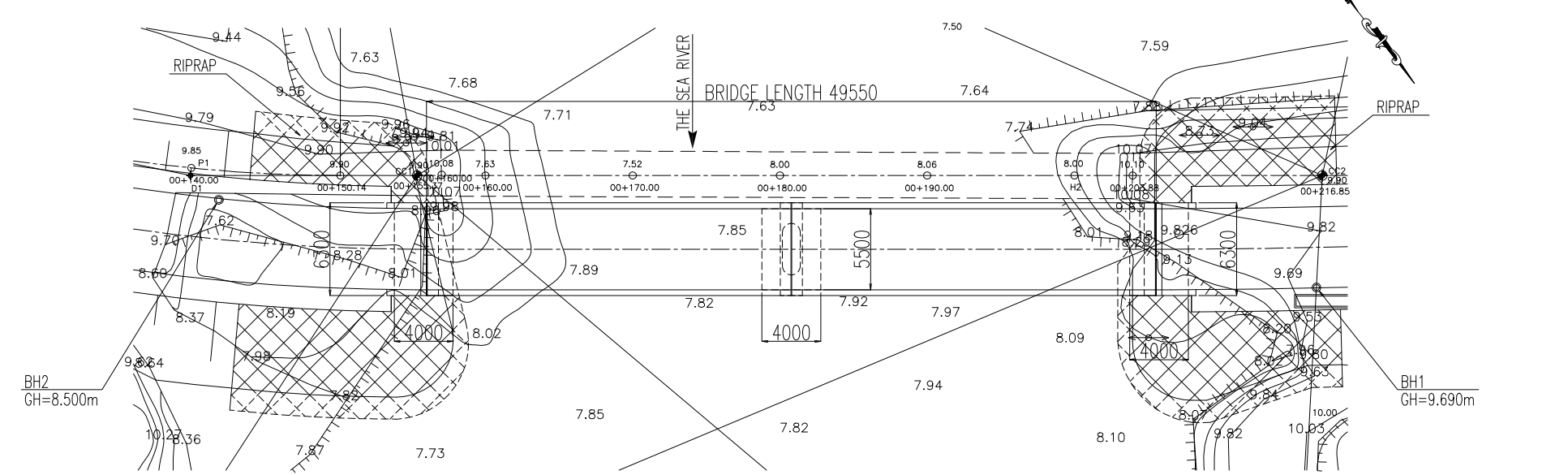
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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

PROFILE
S=1/400



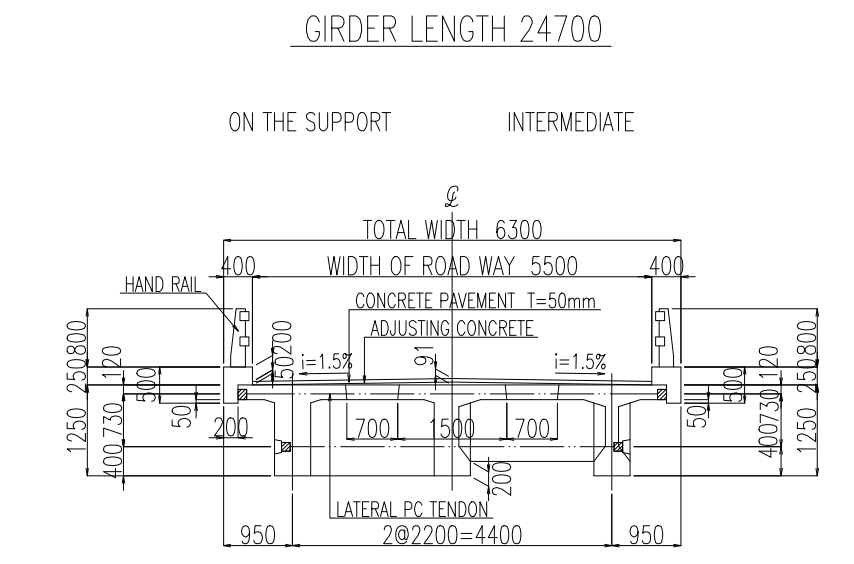
GRADE	11.850											
PROPOSED HEIGHT	11.925											
GROUND HEIGHT	9.80	9.85	9.90	9.90	10.08	7.52	7.99	8.06	8.00	10.10	9.95	
STATION	0+129.86	0+140.00	0+150.14	0+155.37	0+157.18	0+170.00	0+180.00	0+180.75	0+190.00	0+200.00	0+203.88	0+205.55

PLAN
S=1/400



BR.NO.83 NGOI NGAN BRIDGE
GENERAL VIEW OF THE BRIDGE

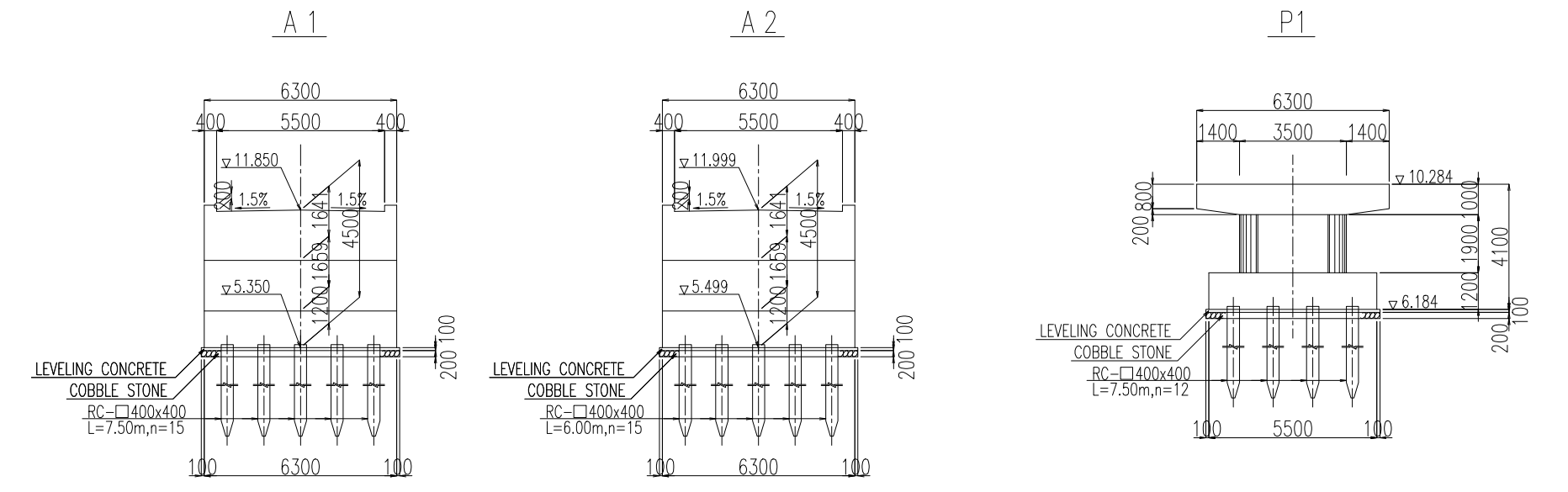
CROSS SECTION
S=1/100



FRONT VIEW
S=1/200

ABUTMENT

PIER



DESIGN CRITERIA

General Condition	
Design Live Load	H13,X60
Design Speed	V=25km/h
Bridge Length(Span Length)	49.55m(24.00m+24.00m)
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 Ø400x400 A2:Rc Pile Ø400x400
	Pier P1:Rc Pile Ø400x400
Material Strength	
Super Structure Type	Girder ø28=35N/mm²
	Cross Beam ø28=30N/mm²
	Slab ø28=30N/mm²
Surface	Curb,Handrail ø28=21N/mm²
Sub Structure Type	ø28=21N/mm²
Reinforcing Steel	SD295(σy=295N/mm²)