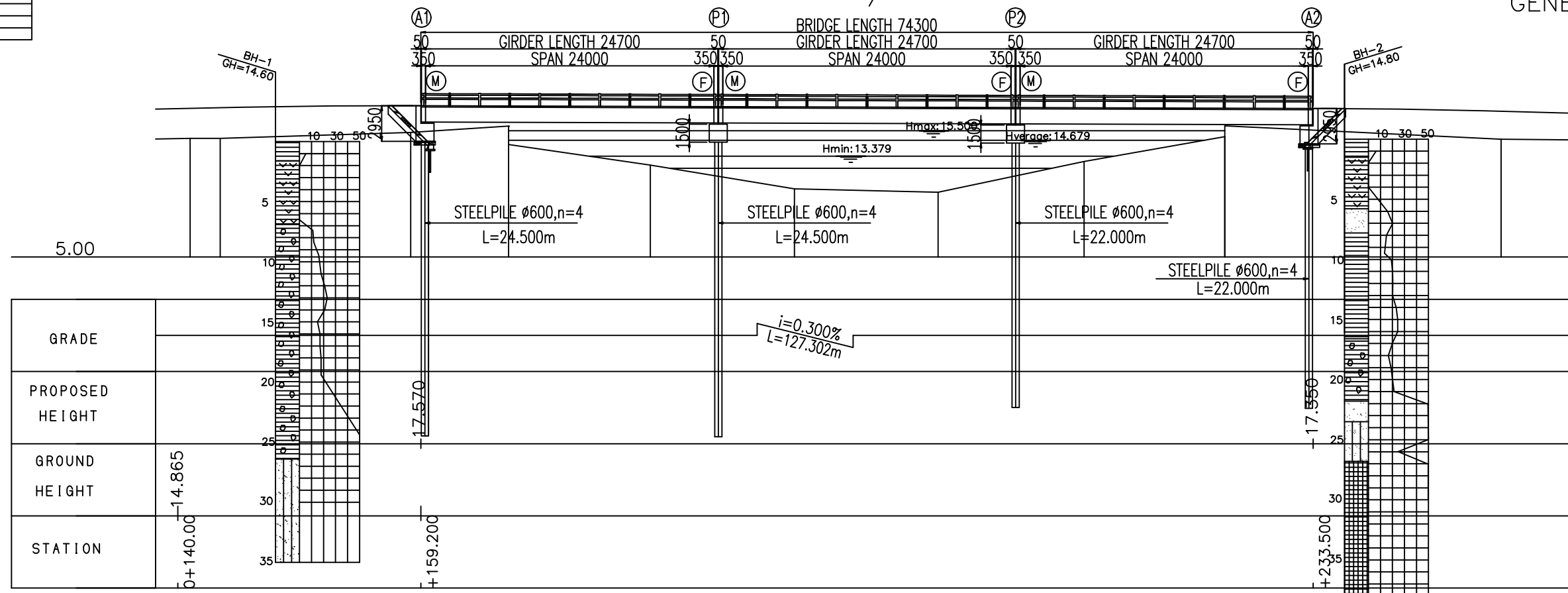


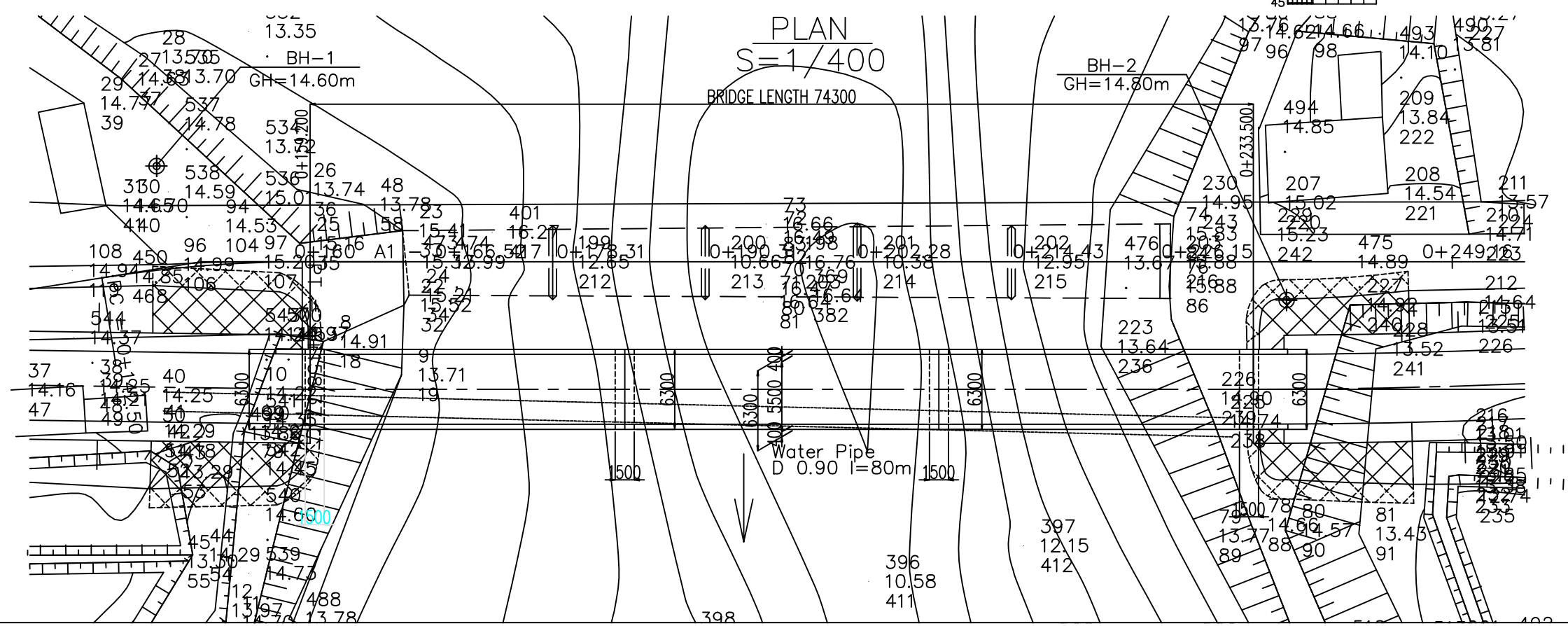
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM FOR PACIFIC CONSULTANTS INTERNATIONAL AND ORIGINAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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

PROFILE  
S=1/400

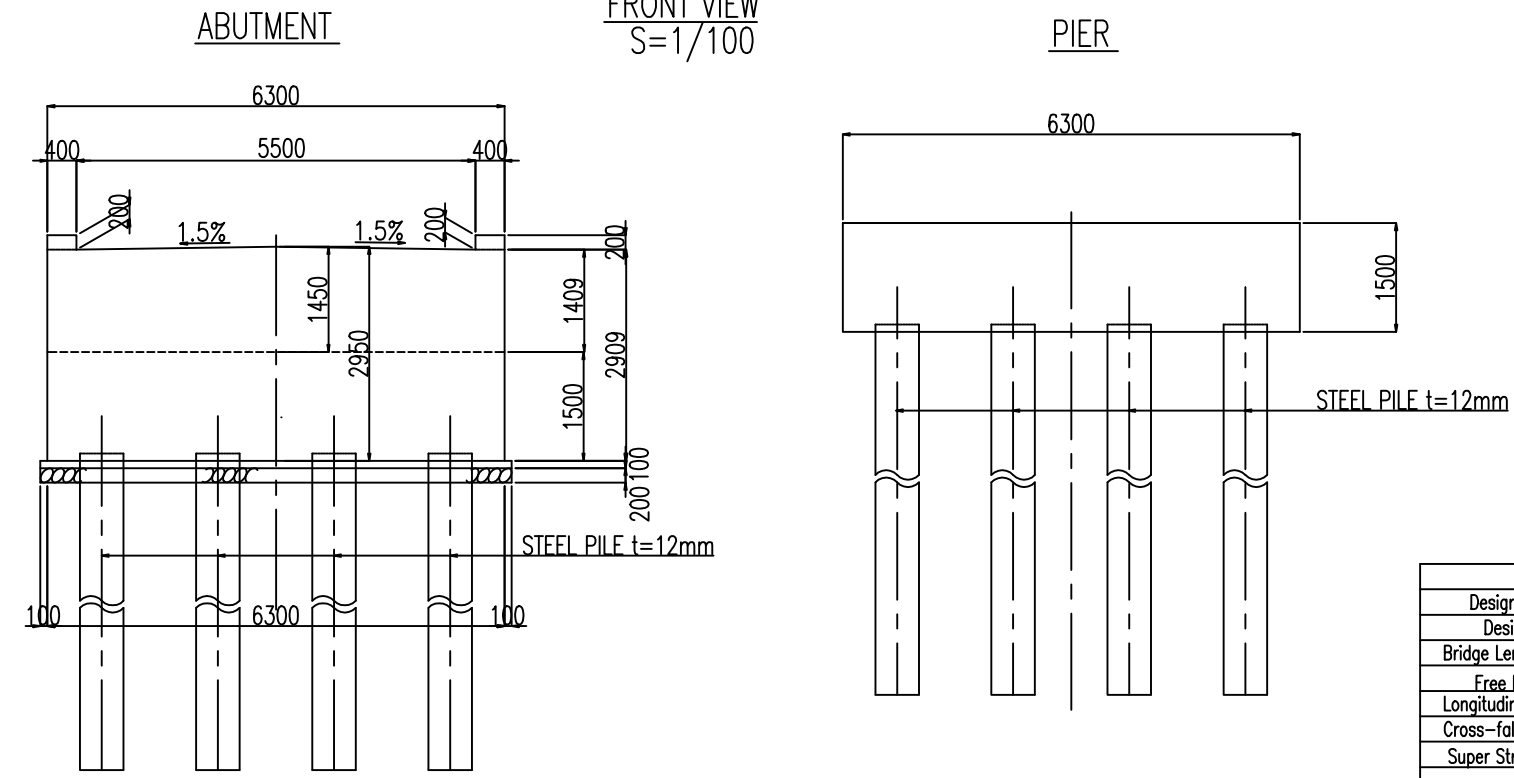
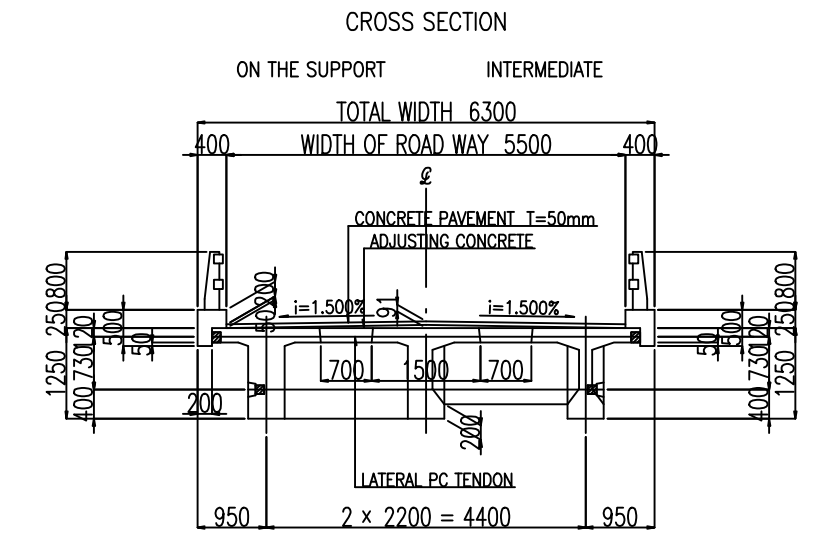
BR.NO.6 QUYNH BANG  
GENERAL VIEW OF THE BRIDGE



GRADE	
PROPOSED HEIGHT	
GROUND HEIGHT	14.865
STATION	0+140.00 to +159.200



CROSS SECTION FOR PC GIRDER  
S=1/100  
GIRDER LENGTH 24700

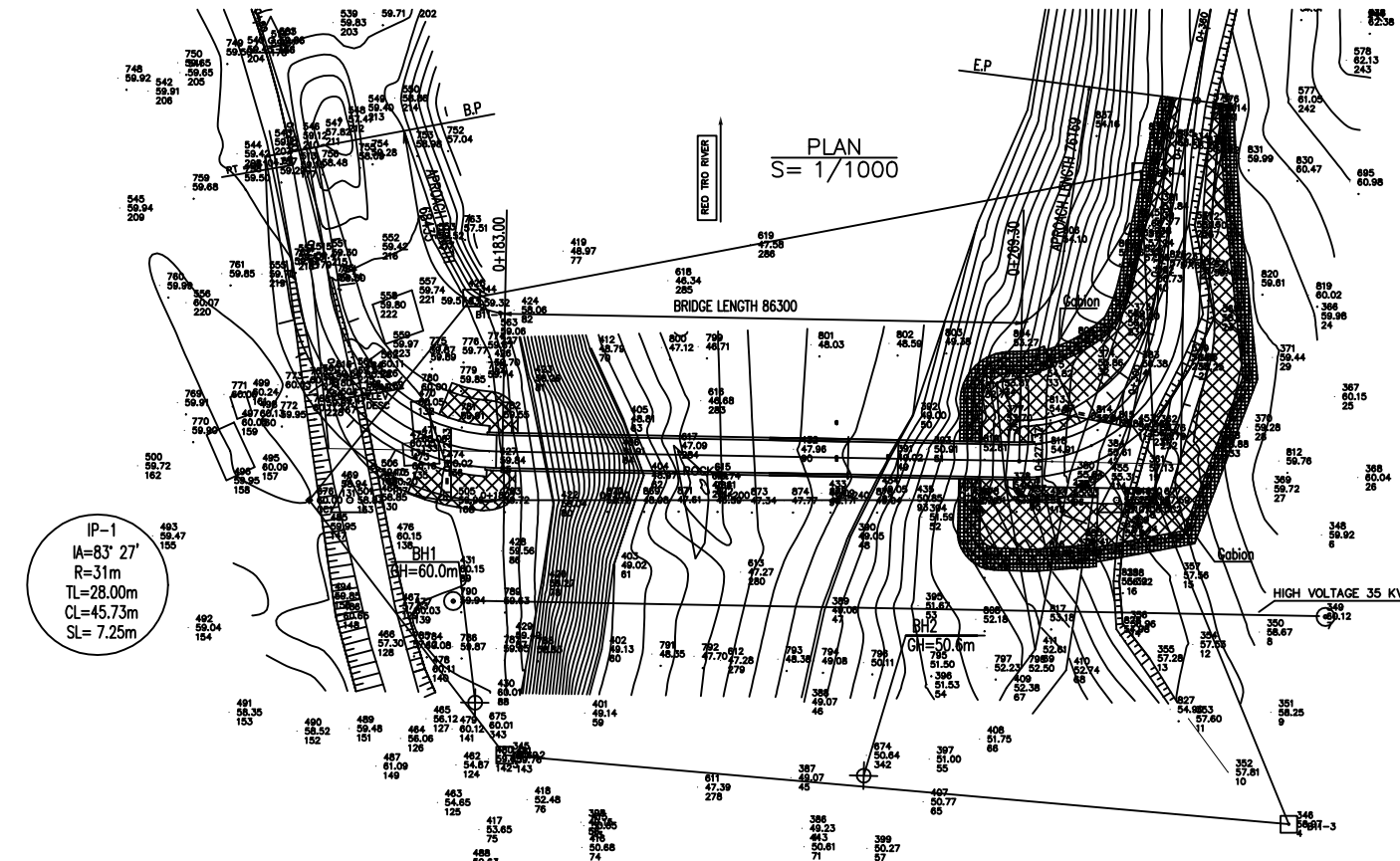


DESIGN CRITERIA

General Condition	
Design Live Load	H13.X60
Design Speed	V=40km/h
Bridge Length(Span Length)	74.30m(24.00m+24.00m+24.00m)
Free Board	0.5m
Longitudinal Gradient	0.3%
Cross-fall of Carriage way	1.50%
Super Structure Type	Reinforced Concrete
Sub Structure Type	Abutment Reinforced Concrete
	Pier Reinforced Concrete
Foundation Type	Abutment Steel Pile #600
	Pier Steel Pile #600
Material Strength	
Super Structure Type	Girder e 28=35N/mm <sup>2</sup>
	Cross Beam e 28=30N/mm <sup>2</sup>
	Slab e 28=30N/mm <sup>2</sup>
Surface	Curb,Handrail e 28=21N/mm <sup>2</sup>
Sub Structure Type	e 28=21N/mm <sup>2</sup>
Reinforcing Steel	SD295(py=295N/mm <sup>2</sup> )

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 FOREIGN CONSULTANTS INTERNATIONAL AND ORIGINAL CONSULTANTS		
DESIGNED BY	Y.FURUKAWA	CHECKED BY	H.ENDO
APPROVED BY		DATE	

BR.NO.11 MY SON  
GENERAL VIEW OF THE SITE

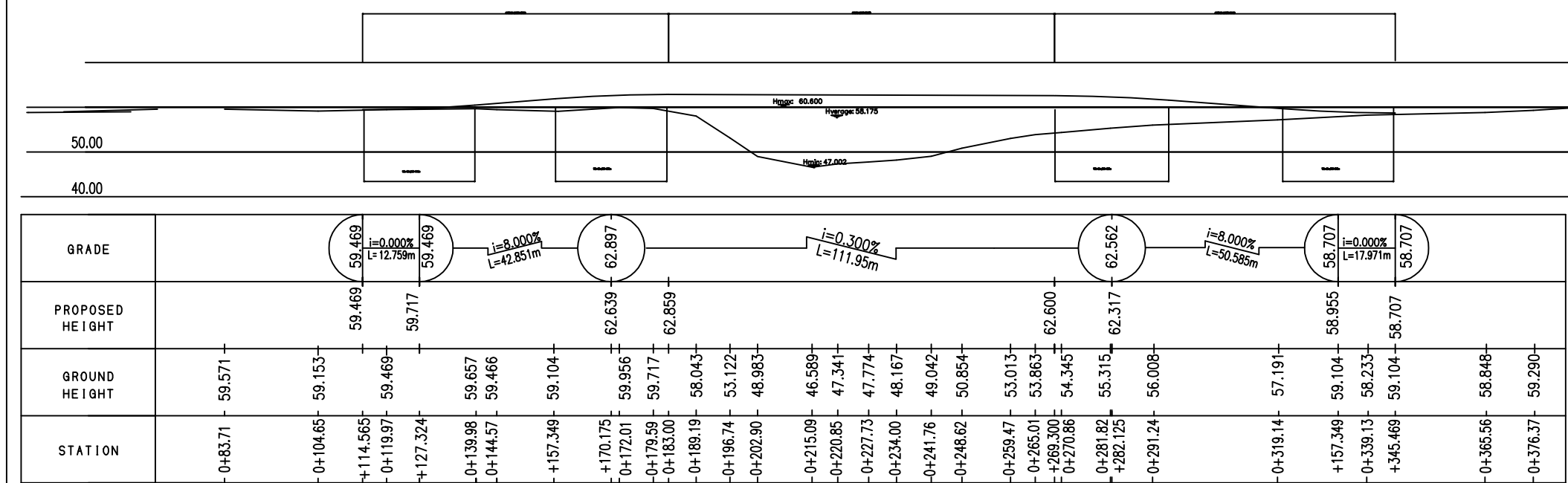


IP-1  
IA=83° 27'  
R=31m  
TL=28.00m  
CL=45.73m  
SL= 7.25m

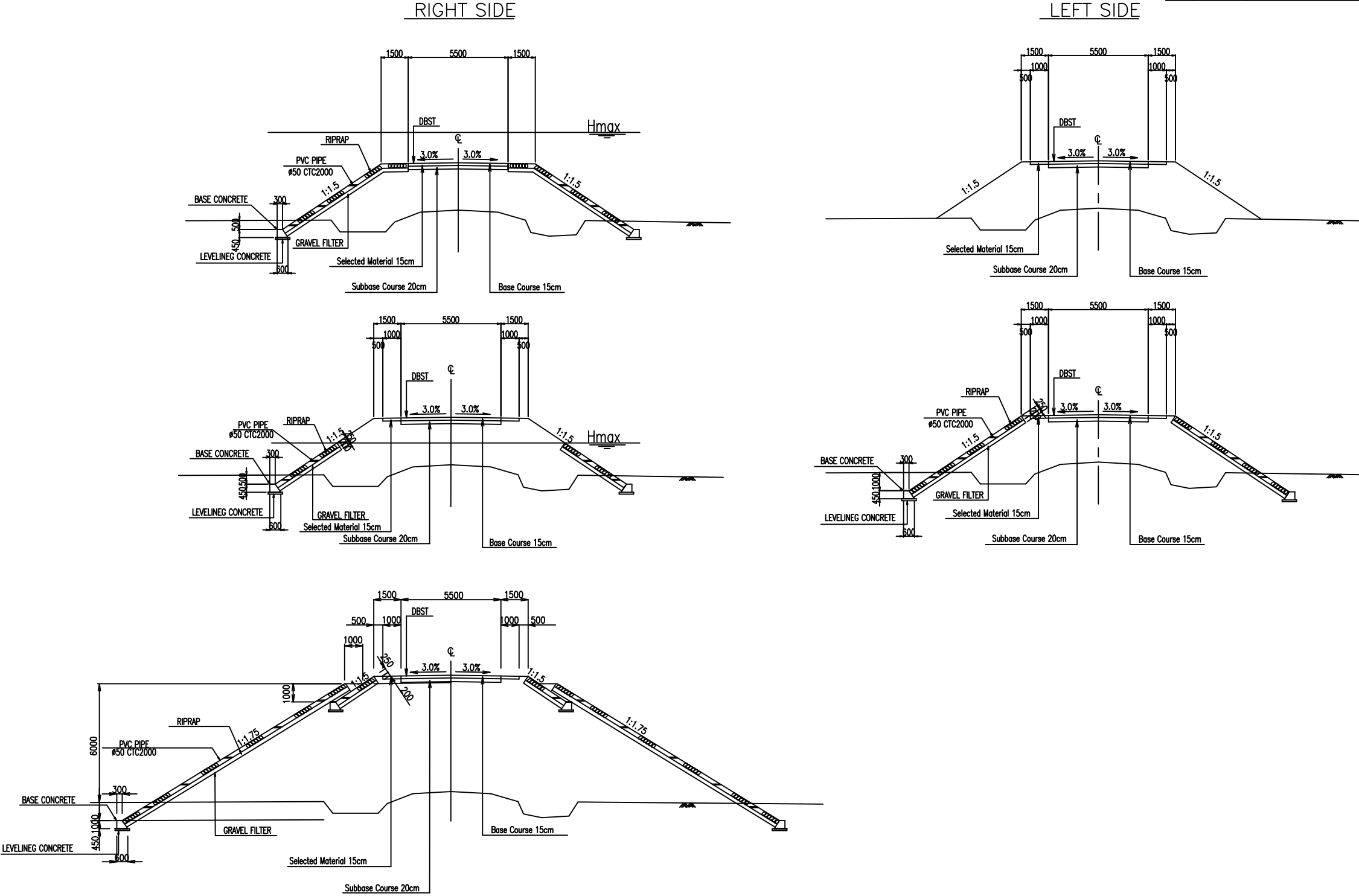
IP-3  
IA=9° 54'  
R=311m  
TL=27.00m  
CL=53.86m  
SL= 1.22m

IP-2  
IA=90° 24'  
R=27m  
TL=27.00m  
CL=42.35m  
SL= 7.80m

PROFILE  
S=1/1000

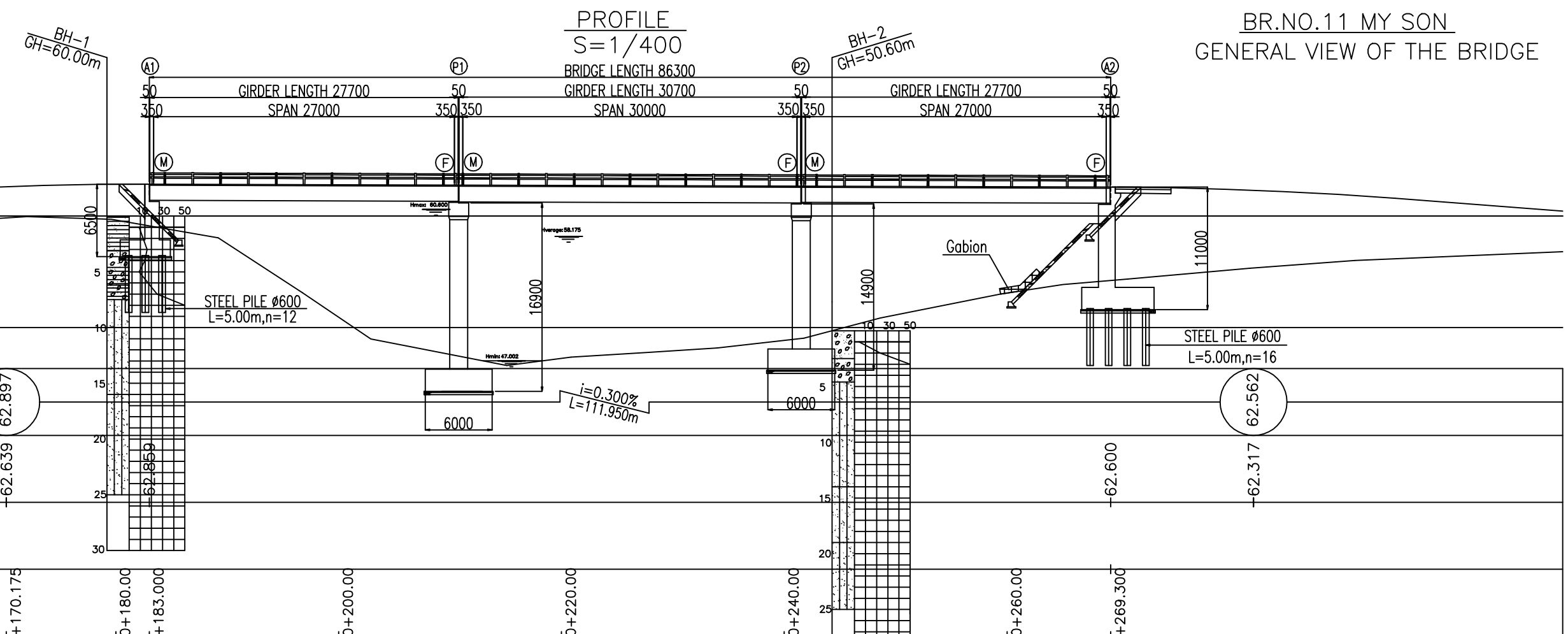


TYPICAL CROSS SECTION OF APPROACH ROAD  
S=1/200

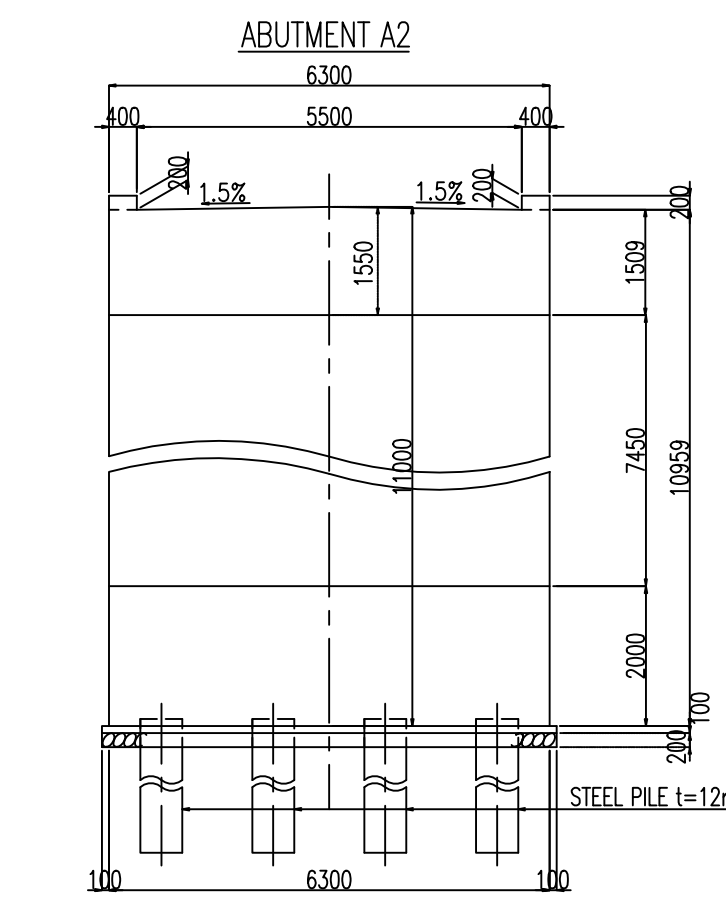
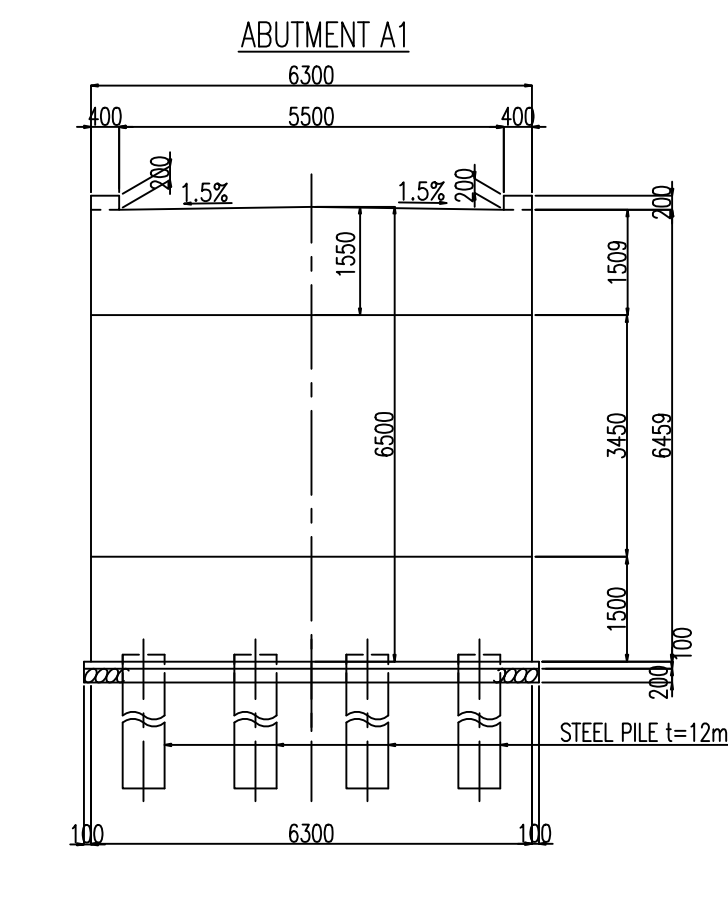
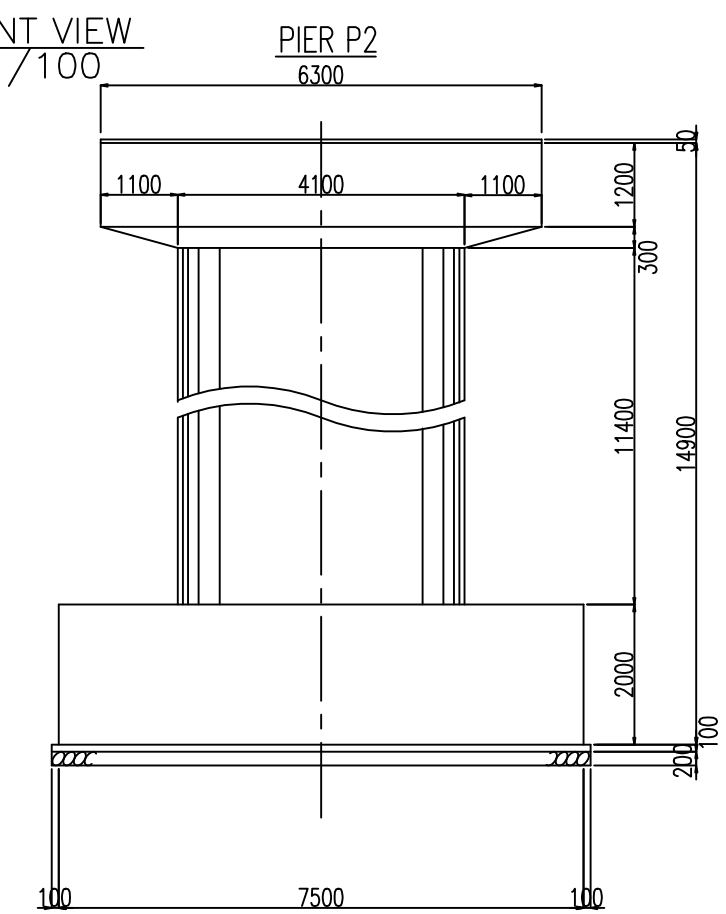
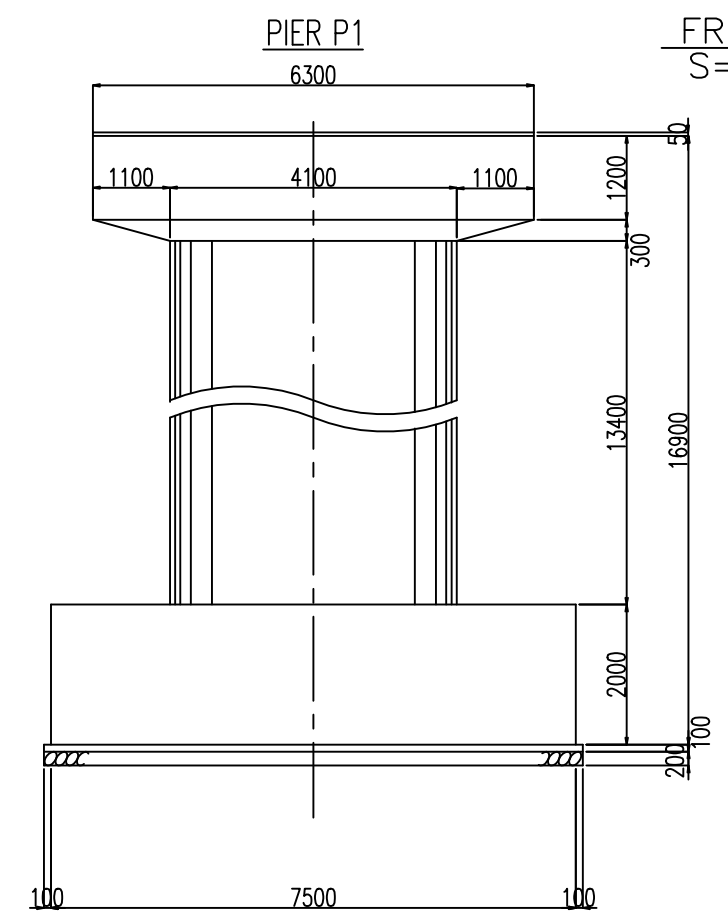
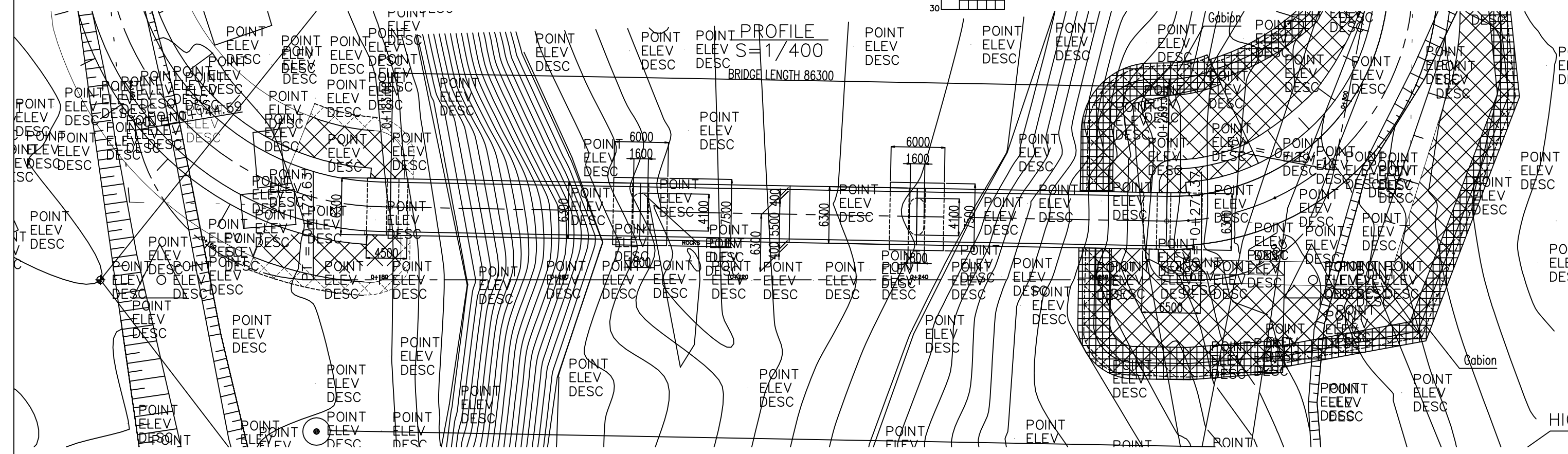


SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200, 1/1000	BR11	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.11 MY SON)		
REV. NO.	DATE	DESCRIPTION	SIGNATURE

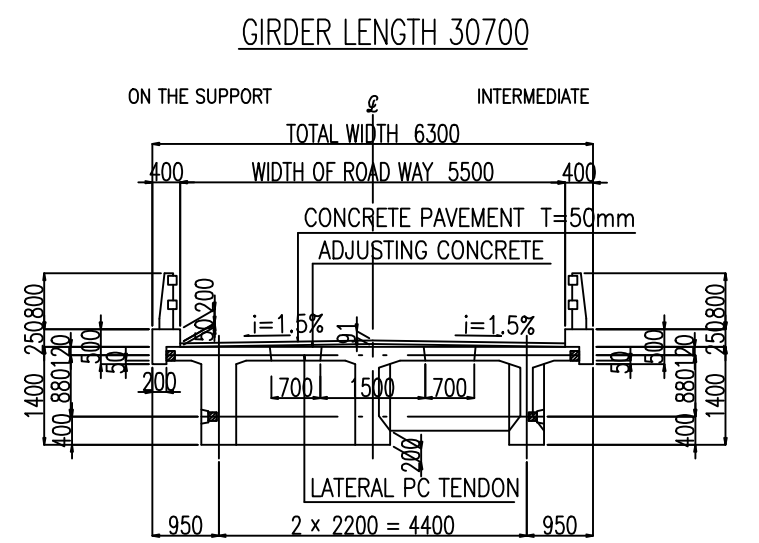
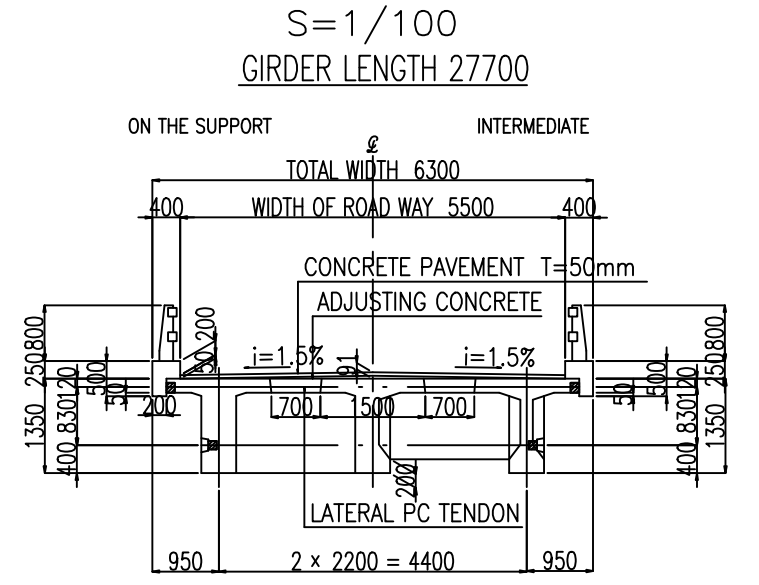
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO. 18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF JAPANESE CONSULTANTS INTERNATIONAL AND OTHERS CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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



**BR.NO.11 MY SON**  
GENERAL VIEW OF THE BRIDGE



**CROSS SECTION FOR PC GIRDER**

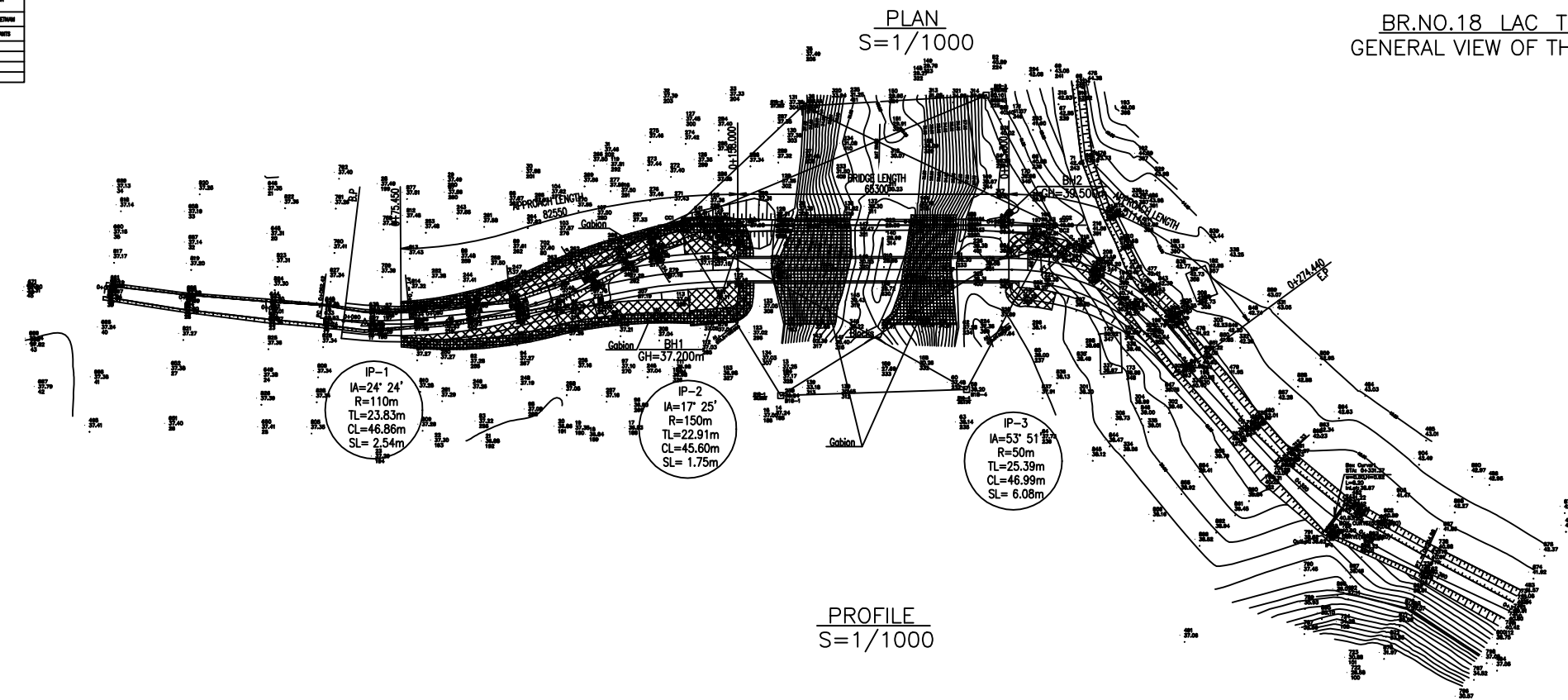


**DESIGN CRITERIA**

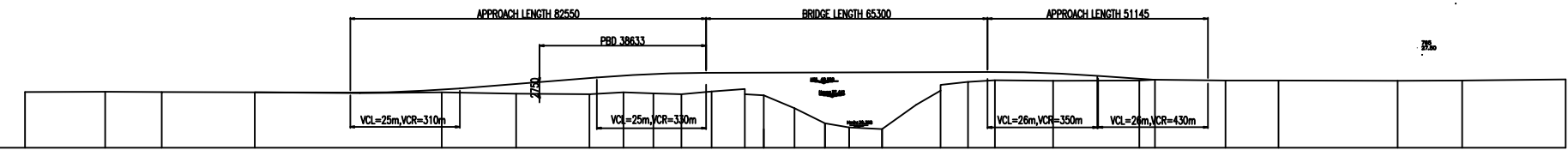
General Condition	
Design Live Load	H13.X60
Design Speed	V=25km/h
Bridge Length(Span Length)	86.30m(27.00m+30.00m+27.00m)
Free Board	0.5m
Longitudinal Gradient	0.3%
Cross-fall of Carriage way	1.50%
Super Structure Type	Reinforced Concrete
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Abutment Steel Pile #600 Pier Spread Foundation
Material Strength	
Super Structure Type	Girder #28=35N/mm <sup>2</sup> Cross Beam #28=30N/mm <sup>2</sup>
Surface	Slab #28=30N/mm <sup>2</sup> Curb, Handrail #28=21N/mm <sup>2</sup>
Sub Structure Type	#28=21N/mm <sup>2</sup>
Reinforcing Steel	SD295(py=295N/mm <sup>2</sup> )

THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECT MANAGEMENT UNIT NO.14, MINISTRY OF TRANSPORTS			
PROJECT: THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM			
CONSULTANT: CONSULTING GROUP OF ARCHITECTURE, ENGINEERING AND DESIGN CONSULTANTS			
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME: Y. FUJIKAWA	NAME: H. NGOC	SIGNATURE	
DATE:			

BR.NO.18 LAC THIEN  
GENERAL VIEW OF THE SITE



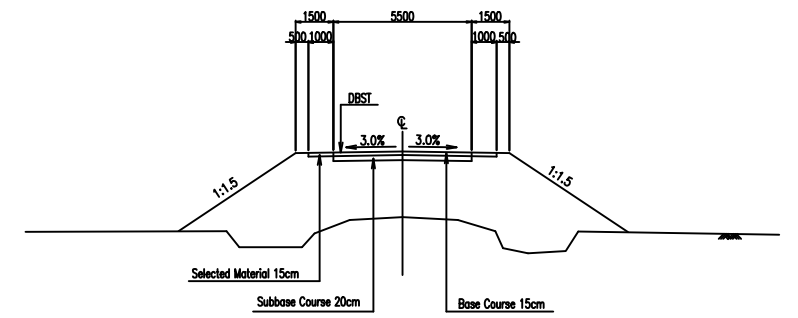
PROFILE  
S=1/1000



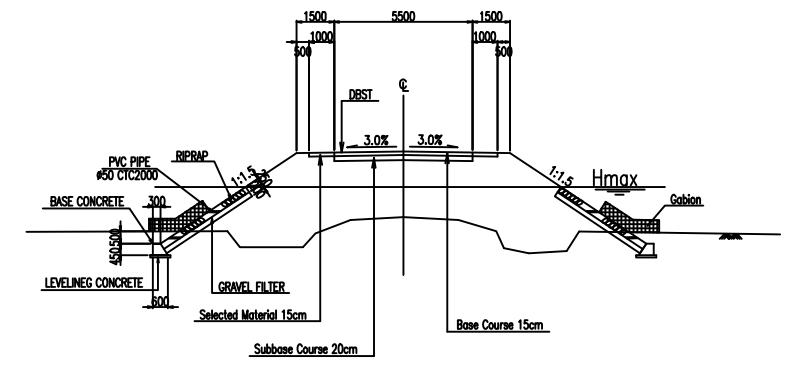
GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION
			0+0.00
			0+18.57
			0+31.67
			0+53.28
	37.78	37.973	+075.450
	37.78	37.995	+088.160
	38.04	37.926	0+96.68
		37.863	0+113.94
		37.576	0+130.94
		37.430	0+138.84
		37.898	+145.335
		37.602	0+152.27
		37.433	+158.000
		38.070	0+171.40
		37.200	0+178.53
		34.200	0+185.56
		30.710	0+191.16
		29.710	0+198.85
		29.352	0+206.77
		35.030	0+218.74
		39.632	+223.300
		40.317	+236.045
		42.59	0+258.56
		42.40	+261.700
		41.05	+274.440
		40.83	0+290.82
		40.83	0+318.45
		40.622	0+333.40
		40.906	0+357.40

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200, 1/1000	BR-18	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.18 LAC THIEN)		
REV. NO.	DATE	DESCRIPTION	SIGNATURE

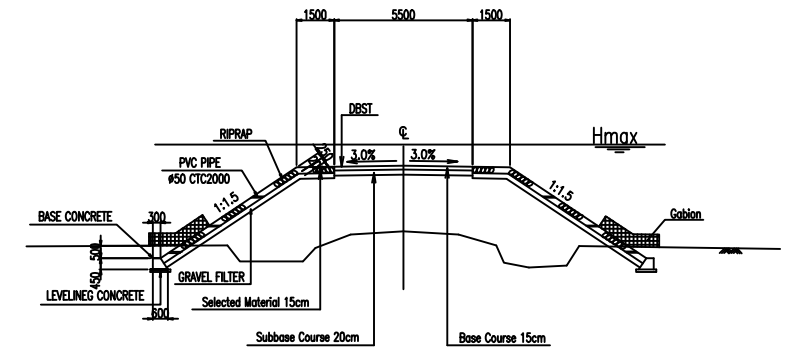
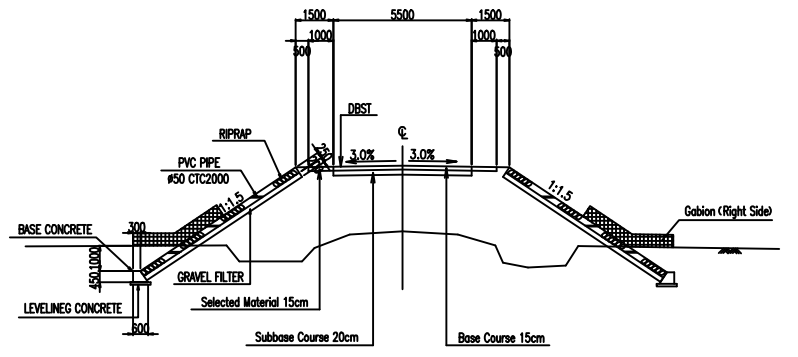
TYPICAL CROSS SECTION OF APPROACH ROAD  
S=1/200



RIGHT SIDE



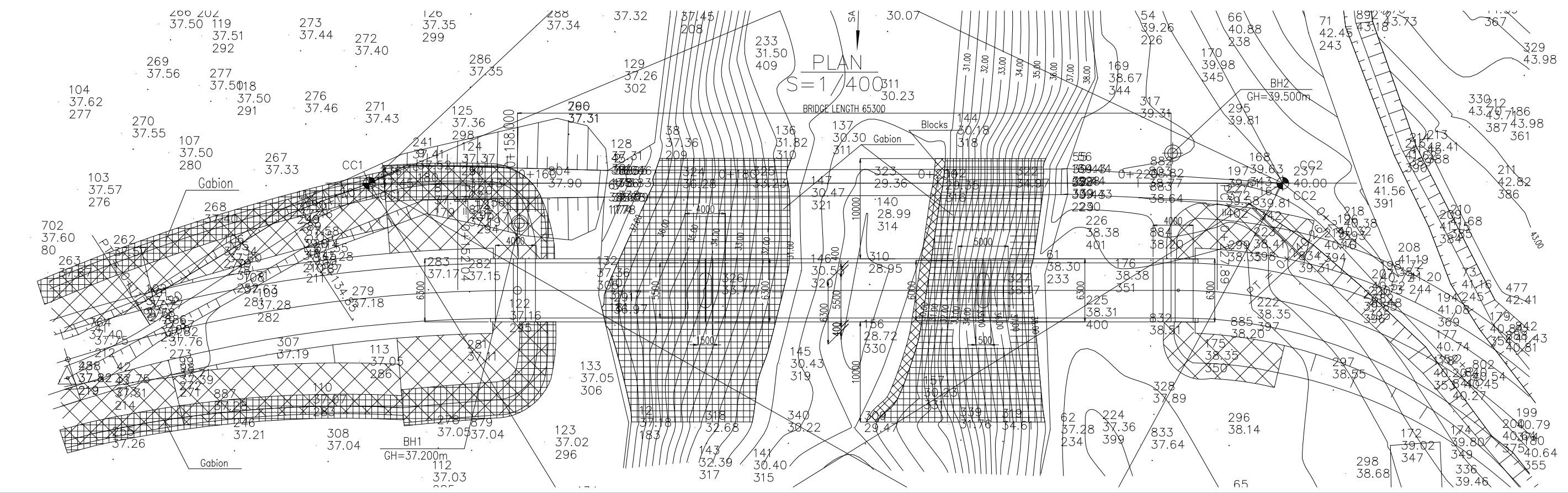
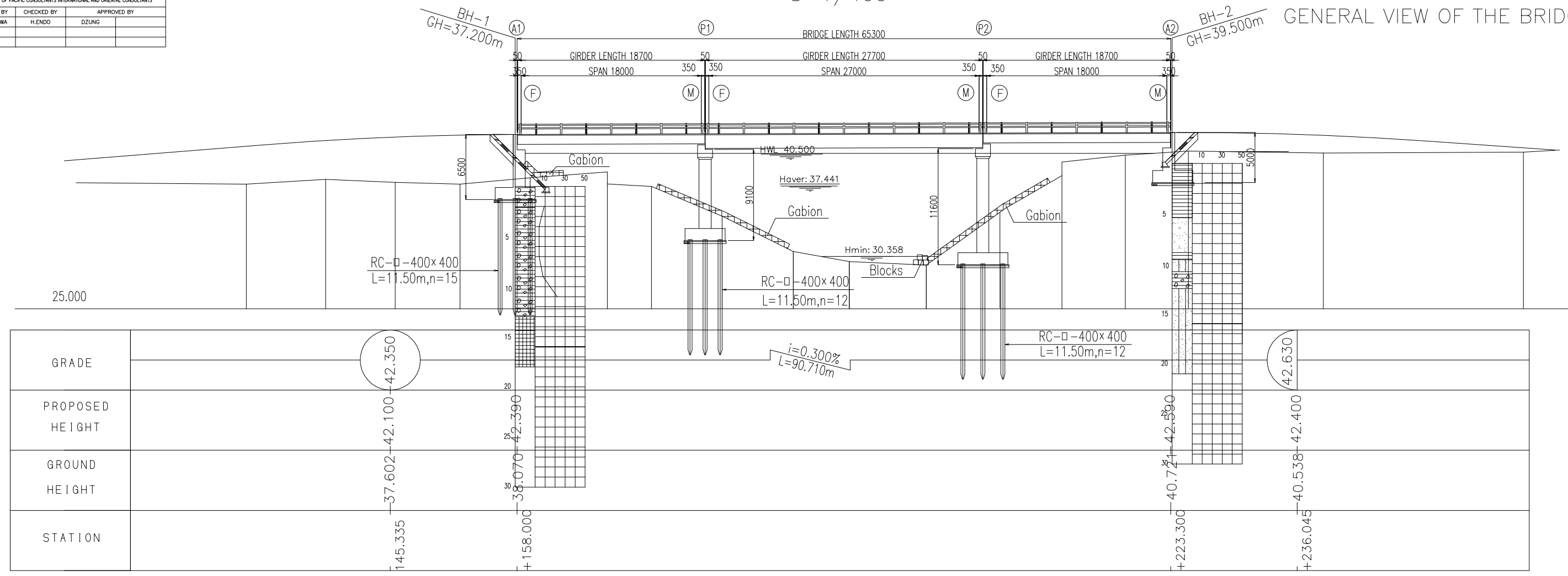
RIGHT SIDE



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 SINGAPORE CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	Y.FURUKAMA	HELENDU	DZING
SIGNATURE			
DATE			

PROFILE  
S=1/400

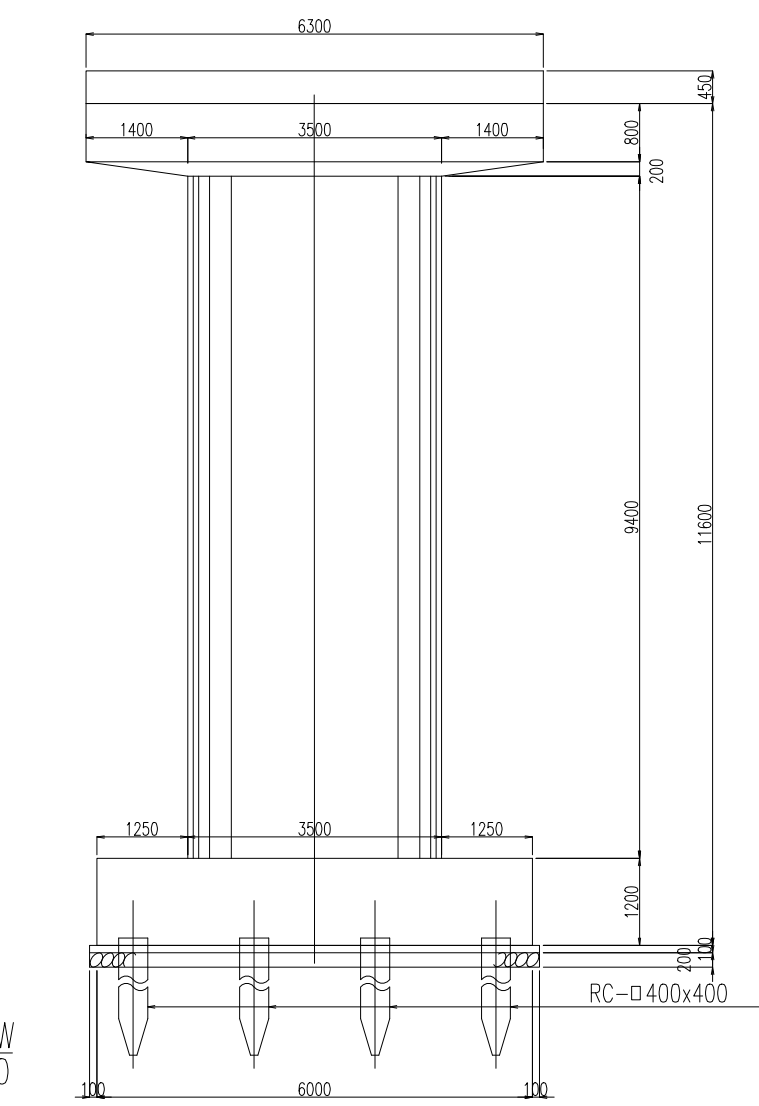
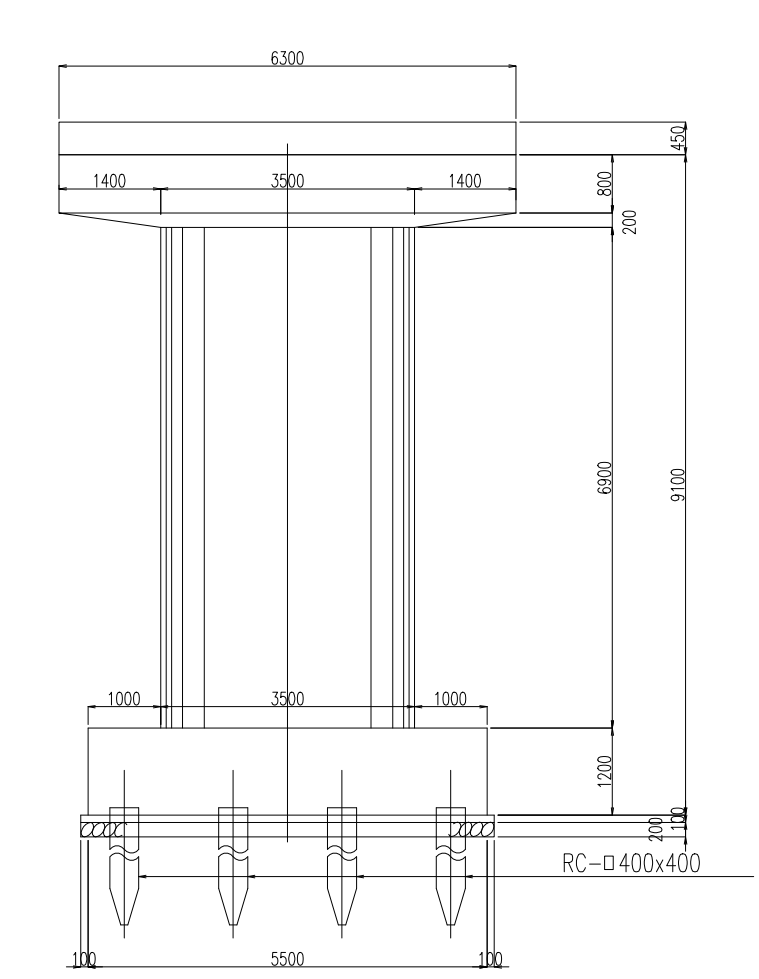
BR.NO.18 LAC THIEN  
GENERAL VIEW OF THE BRIDGE



PIER P1

FRONT VIEW  
S=1/100

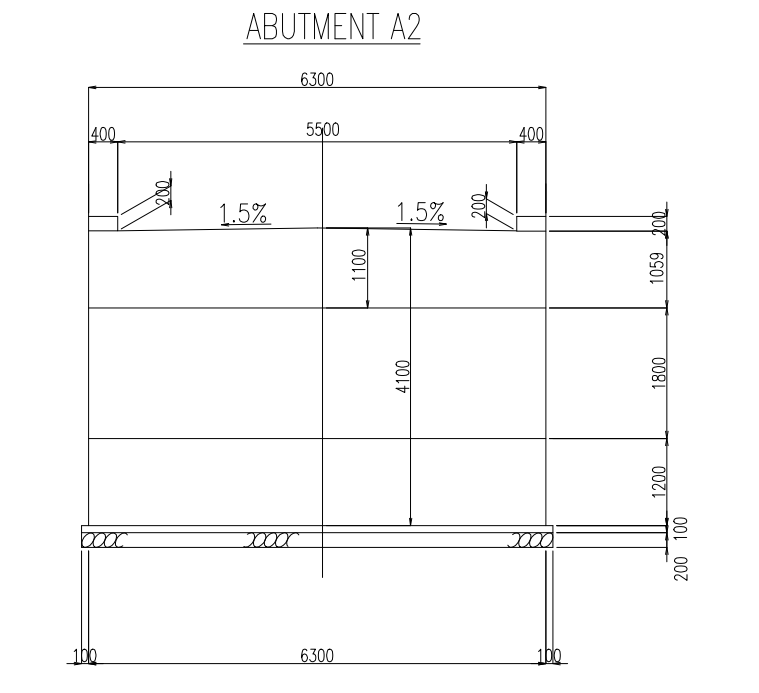
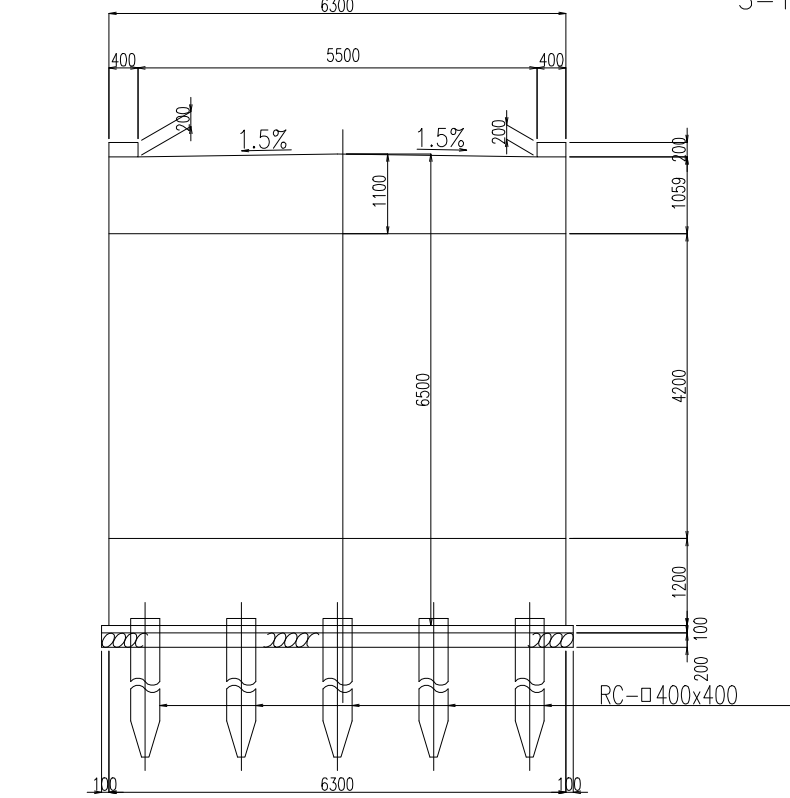
PIER P2



ABUTMENT A1

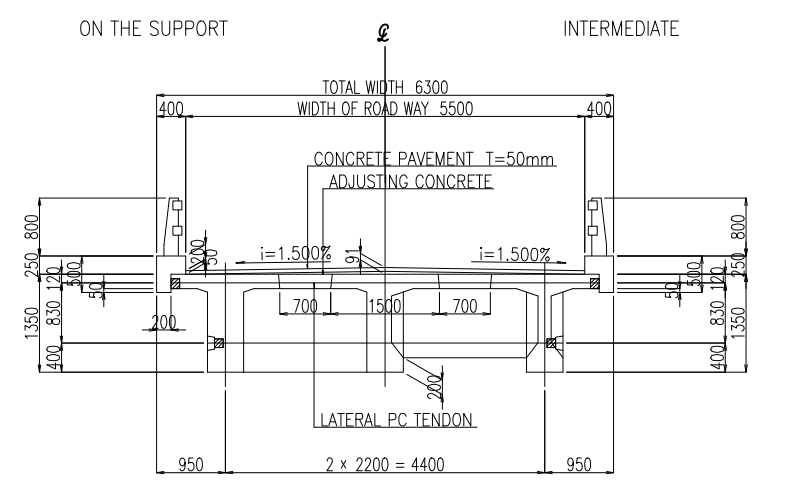
FRONT VIEW  
S=1/100

ABUTMENT A2

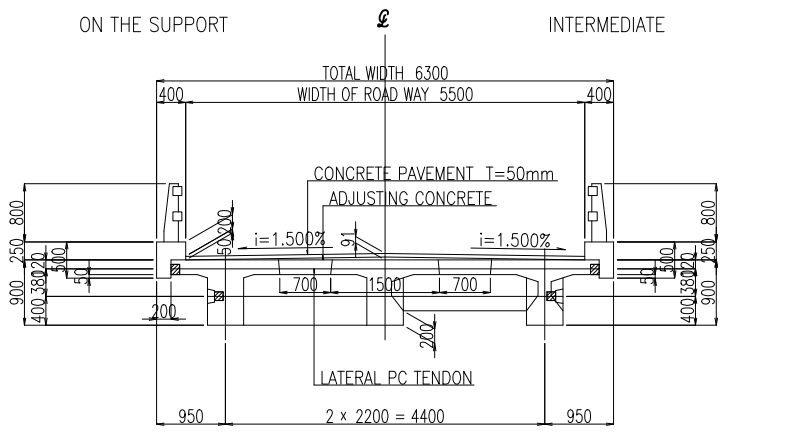


SECTION	SCALE	DRAWING NO.	SHEET NO.
BRIDGE TITLE	1/100, 1/400	C-2	1 OF 1
REV. NO.	DATE	DESCRIPTION	SIGNATURE
		BRIDGE STRUCTURE (BR.NO.18 LAC THIEN)	

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



GIRDER LENGTH 18700



DESIGN CRITERIA

General Condition	
Design Live Load	H13,X60
Design Speed	V=25km/h
Bridge Length(Span Length)	65.30m(27.00m+18.00m+18.00m)
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, Rc Pile $\phi$ 400x400 Pier Rc Pile $\phi$ 400x400
Material Strength	
Super Structure Type	Girder $e$ 28=35N/mm <sup>2</sup> Cross Beam $e$ 28=30N/mm <sup>2</sup> Slab $e$ 28=30N/mm <sup>2</sup>
Surface	Curb,Handrail $e$ 28=21N/mm <sup>2</sup>
Sub Structure Type	$e$ 28=21N/mm <sup>2</sup>
Reinforcing Steel	SD295( $p_y$ =295N/mm <sup>2</sup> )