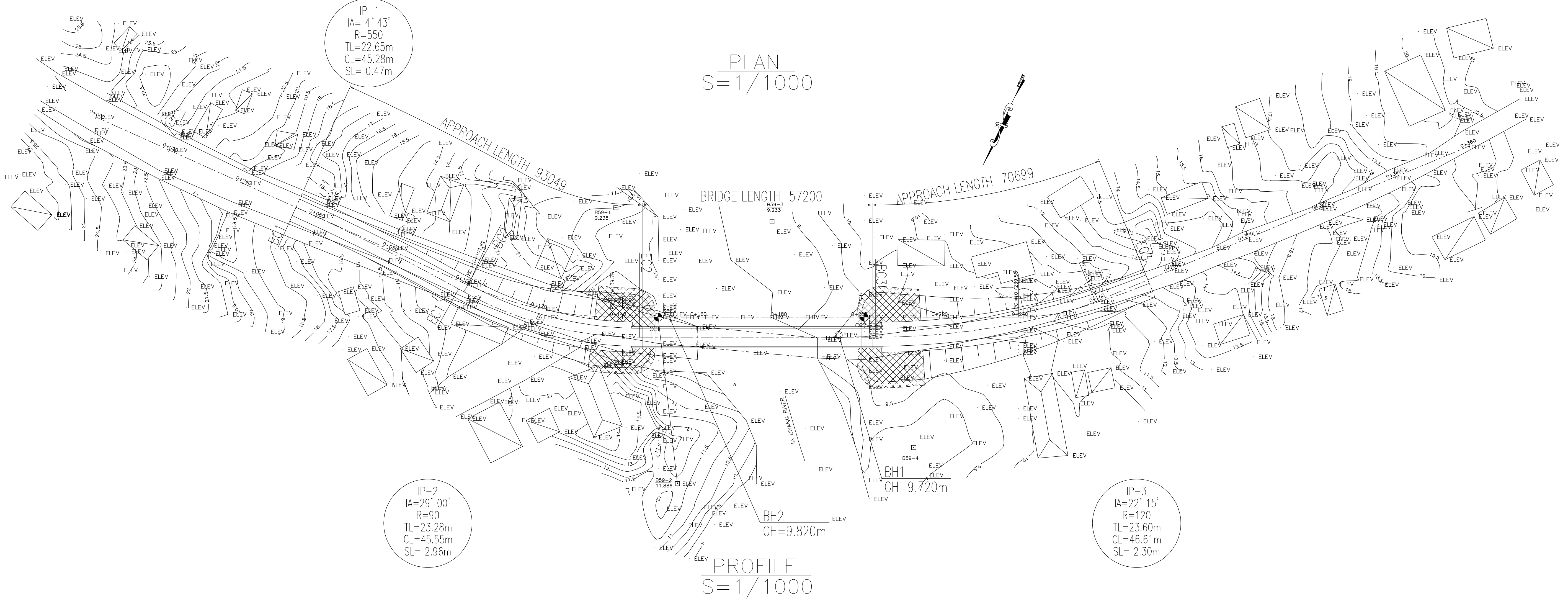
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS				
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM			
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS			
	DESIGNED BY	CHECKED BY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

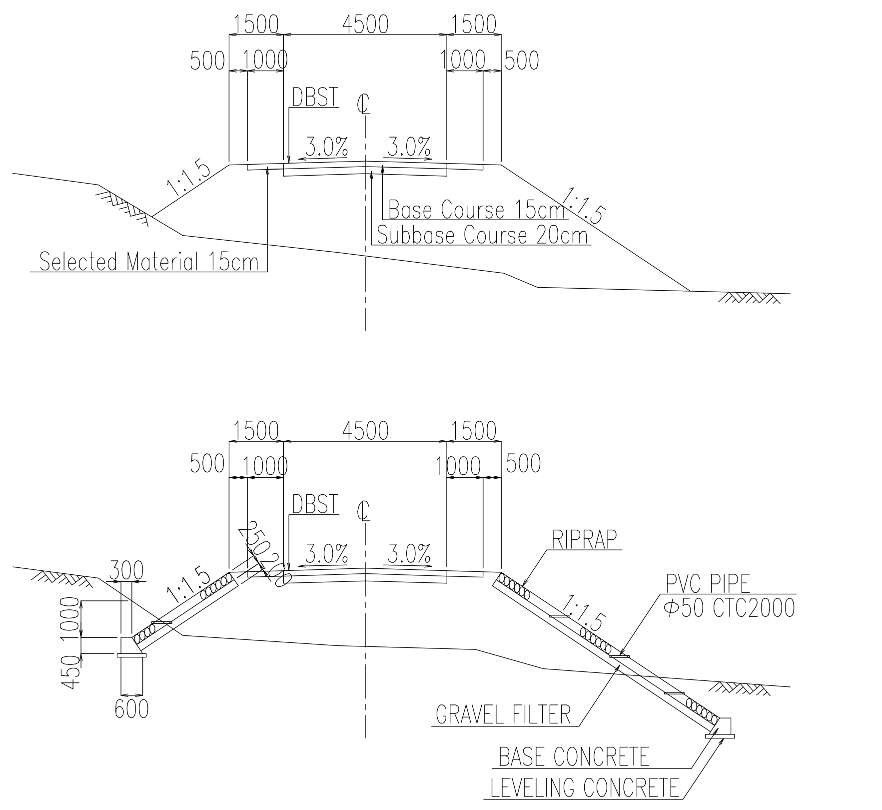
BR.NO.59 IA DRANG BRIDGE
GENERAL VIEW OF THE SITE

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200 ,1/1000	C-1	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.59 IA DRANG BRIDGE)		
REV.NO.	DATE	DESCRIPTION	SIGNATURE

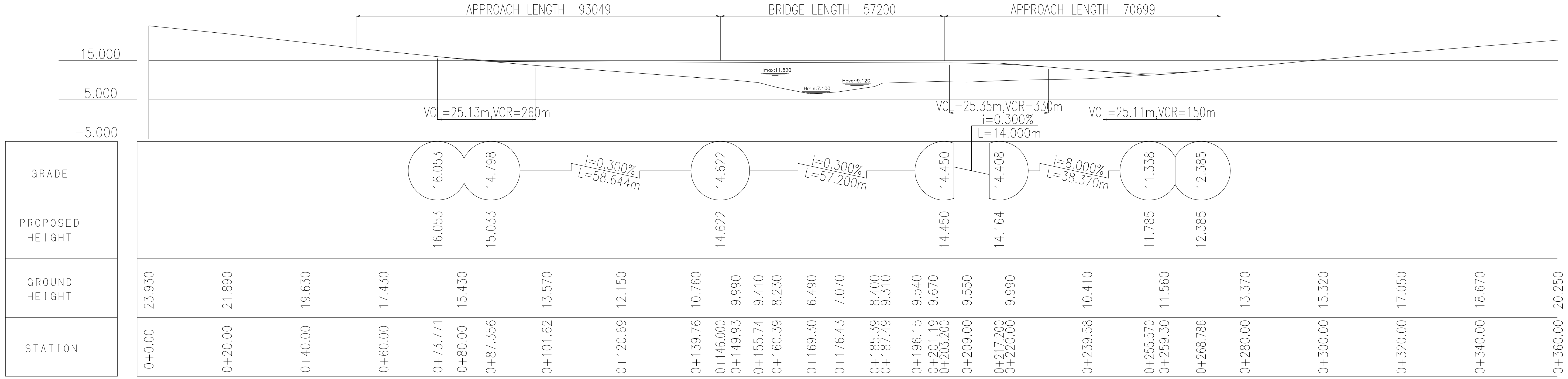
PLAN
S=1/1000



TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



PROFILE
S=1/1000



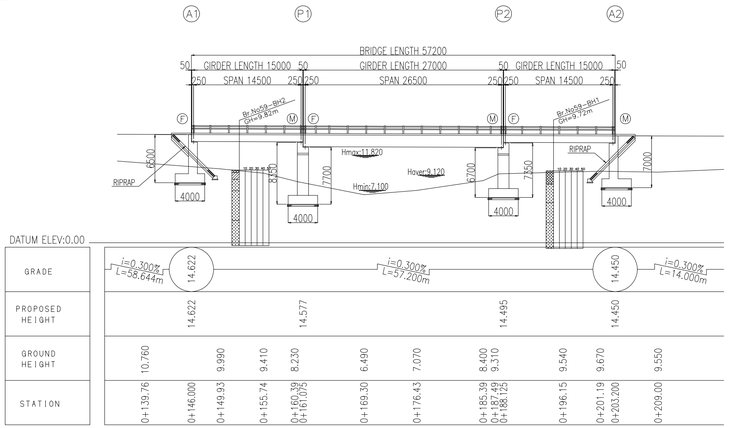
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS				
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM			
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS			
	DESIGNED BY	CHECKED BY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

SECTION	SCALE	DRAWING NO.	SHEET NO.
	V:1/100, 1/200 ,1/400	C-2	1 OF 1
DRAWING TITLE	BRIDGE STRUCTURE (BR.NO.59 IA DRANG BRIDGE)		

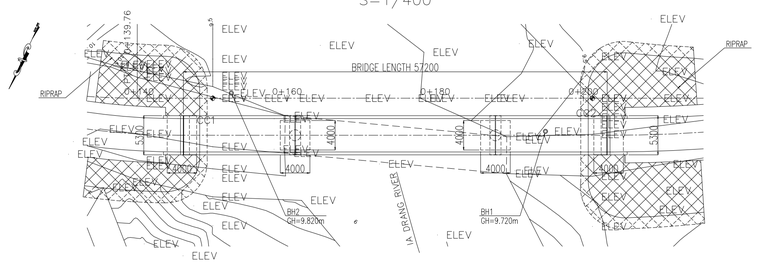
REV.NO.	DATE	DESCRIPTION	SIGNATURE

BR.NO.59 IA DRANG BRIDGE
GENERAL VIEW OF THE BRIDGE

PROFILE
S=1/400

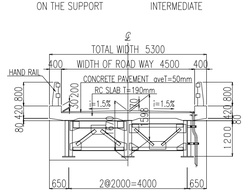


PLAN
S=1/400

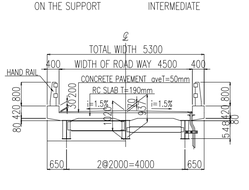


CROSS SECTION
S=1/100

GIRDER LENGTH 27000



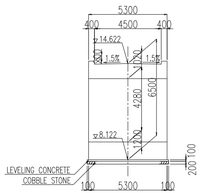
GIRDER LENGTH 14500



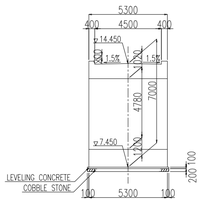
FRONT VIEW
S=1/200

ABUTMENT

A 1

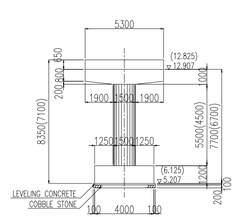


A 2



PIER

P1,(P2)



DESIGN CRITERIA

General Condition		
Design Live Load	H13,X60	
Design Speed	V=25km/h	
Bridge Length(Span Length)	57.20m(14.50m+26.50m+14.50m)	
Freeboard	1.0m	
Longitudinal Gradient	0.30 %	
Cross-fall of Carriage way	1.50 %	
Super Structure Type	Steel bridge	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Abutment	A1:Spread foundation
		A2:Spread foundation
	Pier	P1:Spread foundation
		P2:Spread foundation
Material Strength		
Super Structure Type	Girder	SM490Y
	Cross Beam	SM490Y
	Slab	σ28=30N/mm²
Surface	Curb,Handrail	σ28=21N/mm²
Sub Structure Type		σ28=21N/mm²
Reinforcing Steel		SD295(fy=295N/mm²)

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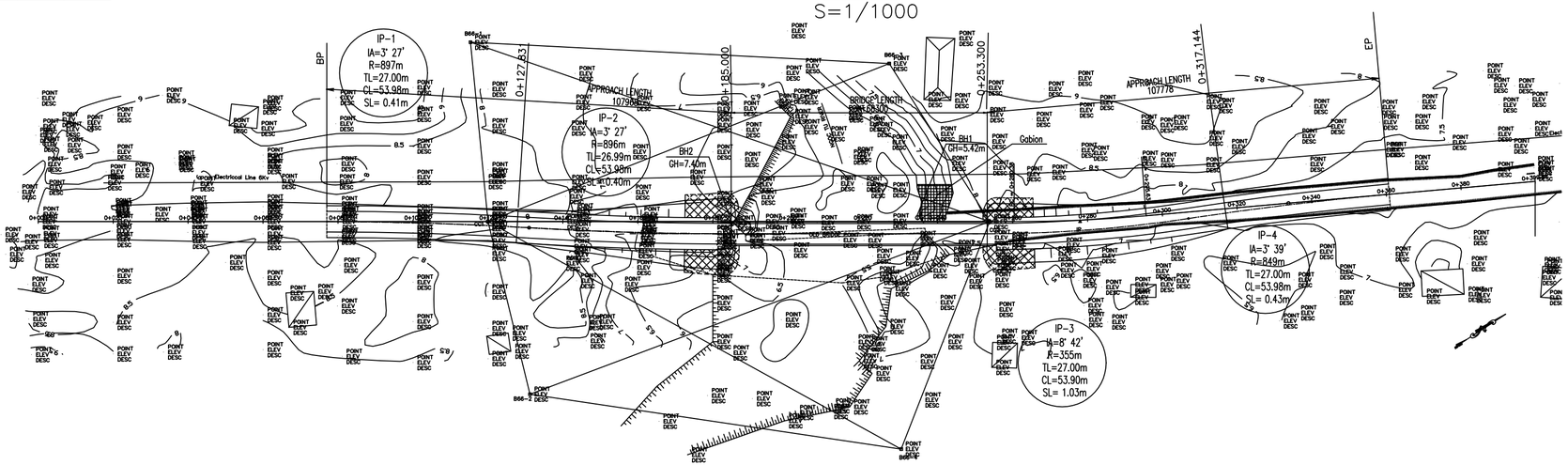
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS			
	DESIGNED BY	CHECKED BY	APPROVED BY	
NAME	Y.FURUKAWA	H.ENDO	D.ZUNG	
SIGNATURE				
DATE				

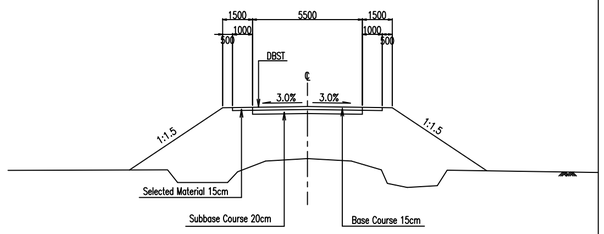
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200,1/1000	Br66-	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.66 NGOC TU)		
REV.NO.	DATE	DESCRIPTION	SIGNATURE

BR.NO.66 NGOC TU
GENERAL VIEW OF THE SITE

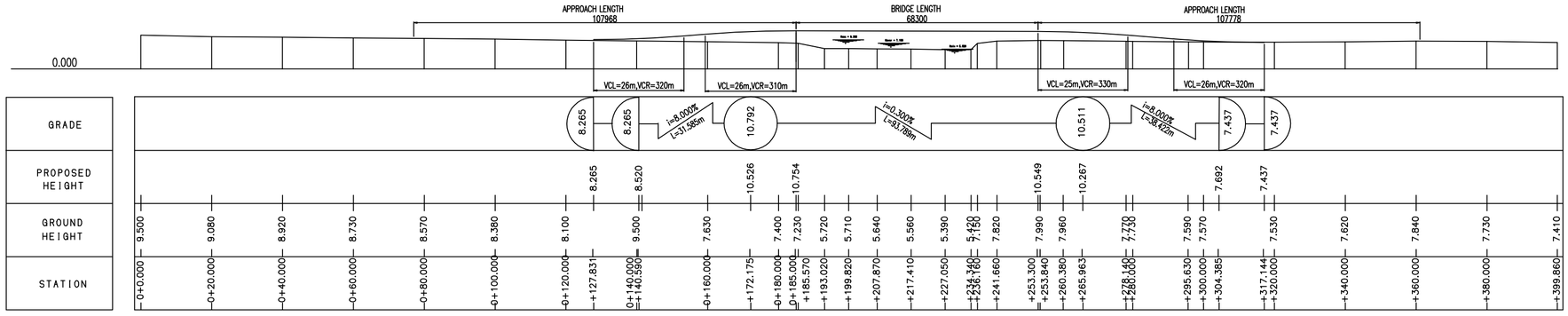
PLAN
S=1/1000

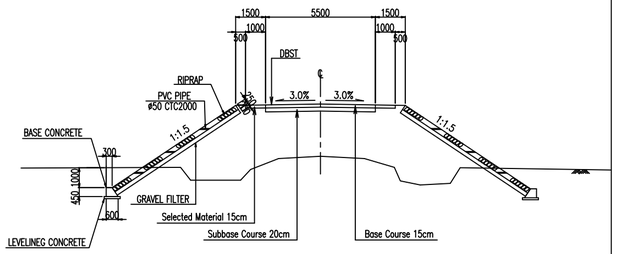


TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



PROFILE
S=1/1000





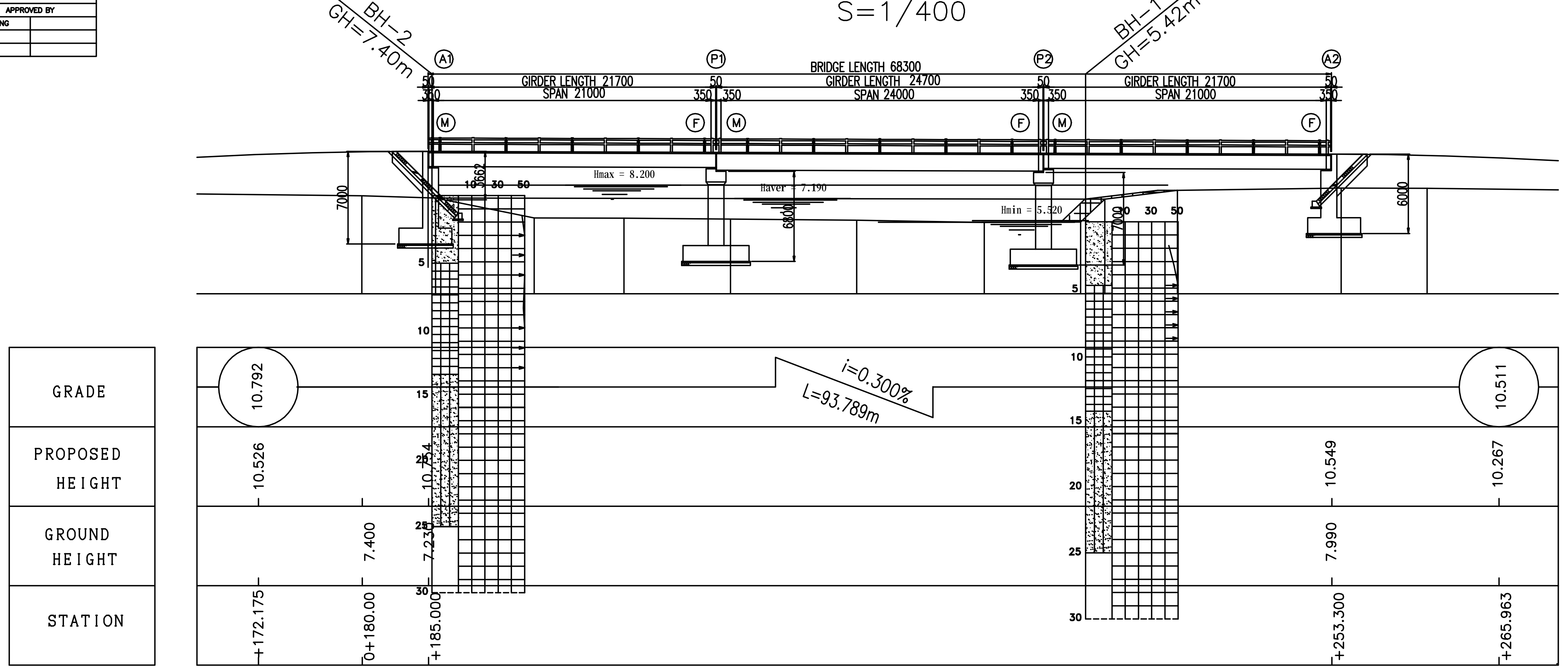
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS				
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM			
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS			
	DESIGNED BY	CHECKED BY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

BR.NO.66 NGOC TU

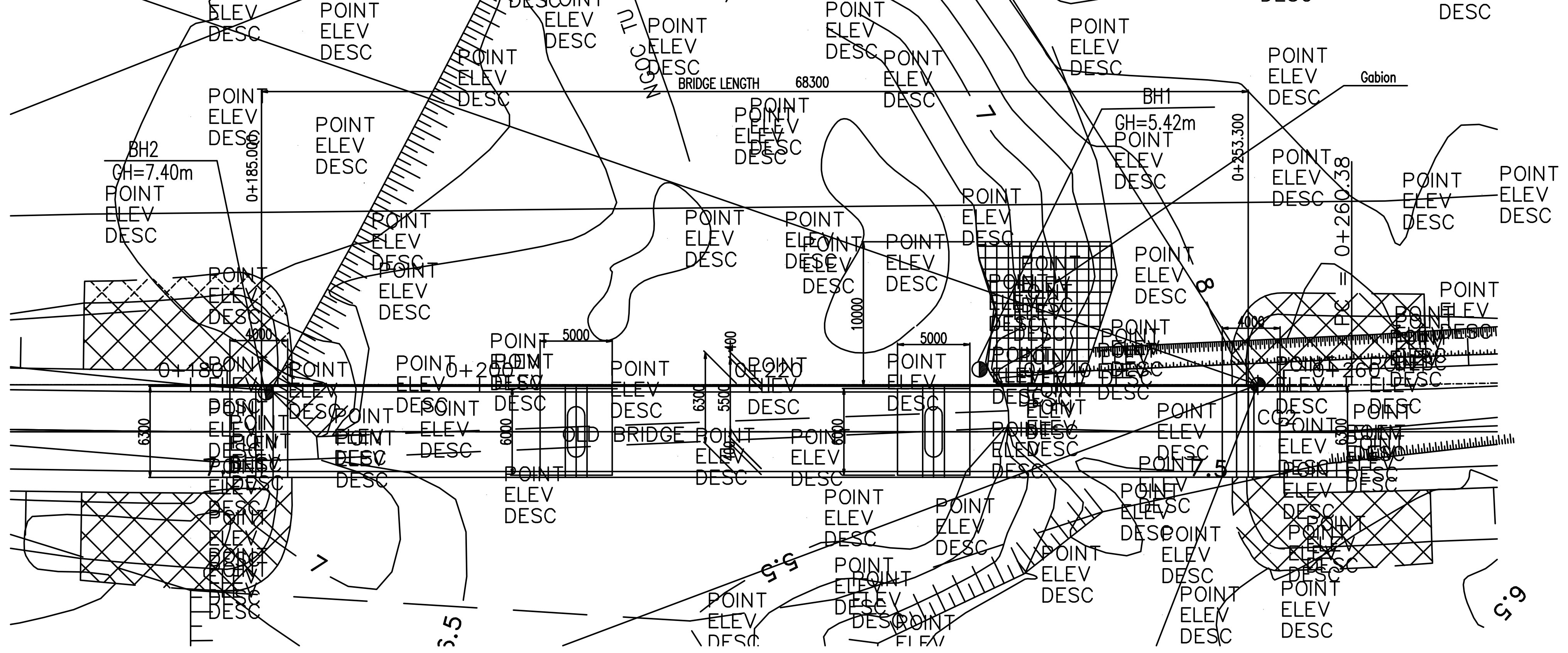
GENERAL VIEW OF THE BRIDGE

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100 ,1/400	C-2	1 OF 1
DRAWING TITLE	BRIDGE STRUCTURE (BR.NO.66 NGOC TU)		
REV.NO.	DATE	DESCRIPTION	SIGNATURE

PROFILE
S=1/400



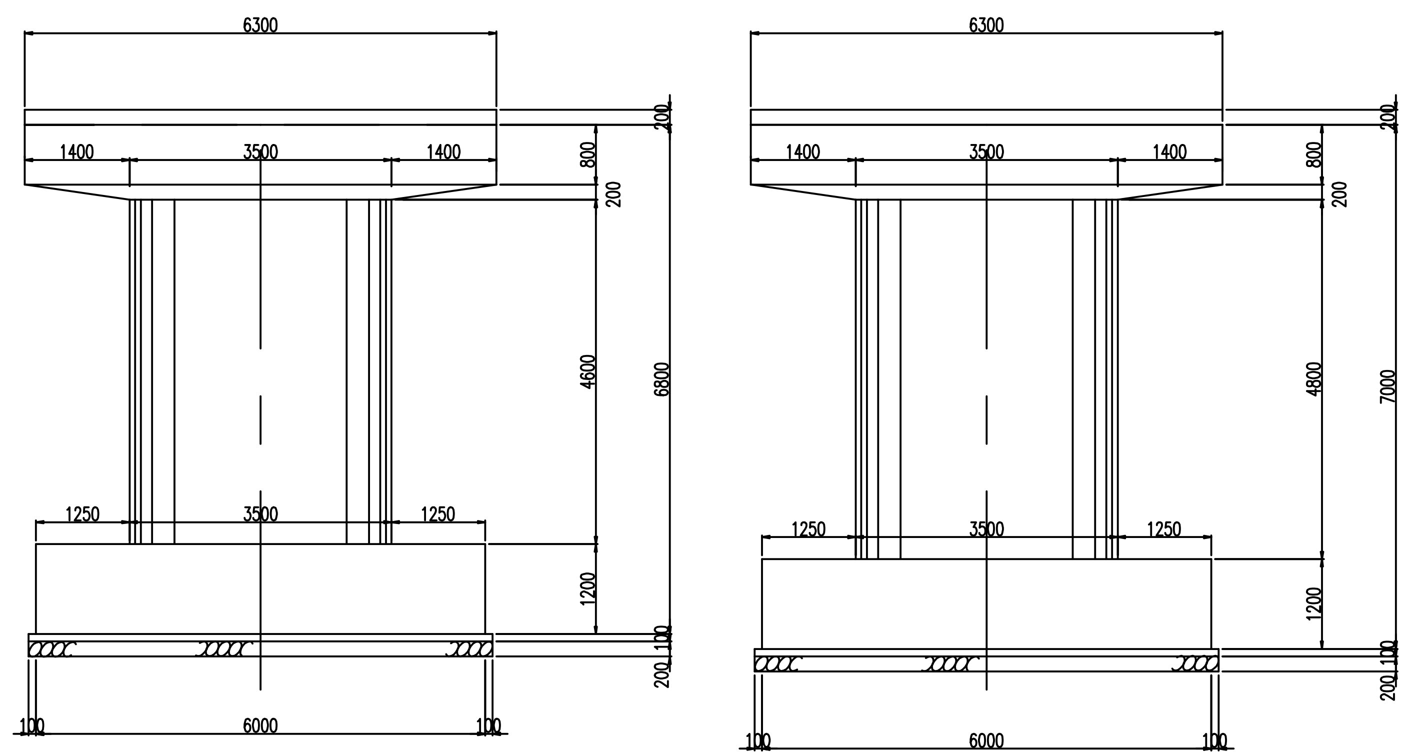
PLAN
S=1/400



FRONT VIEW
S=1/100

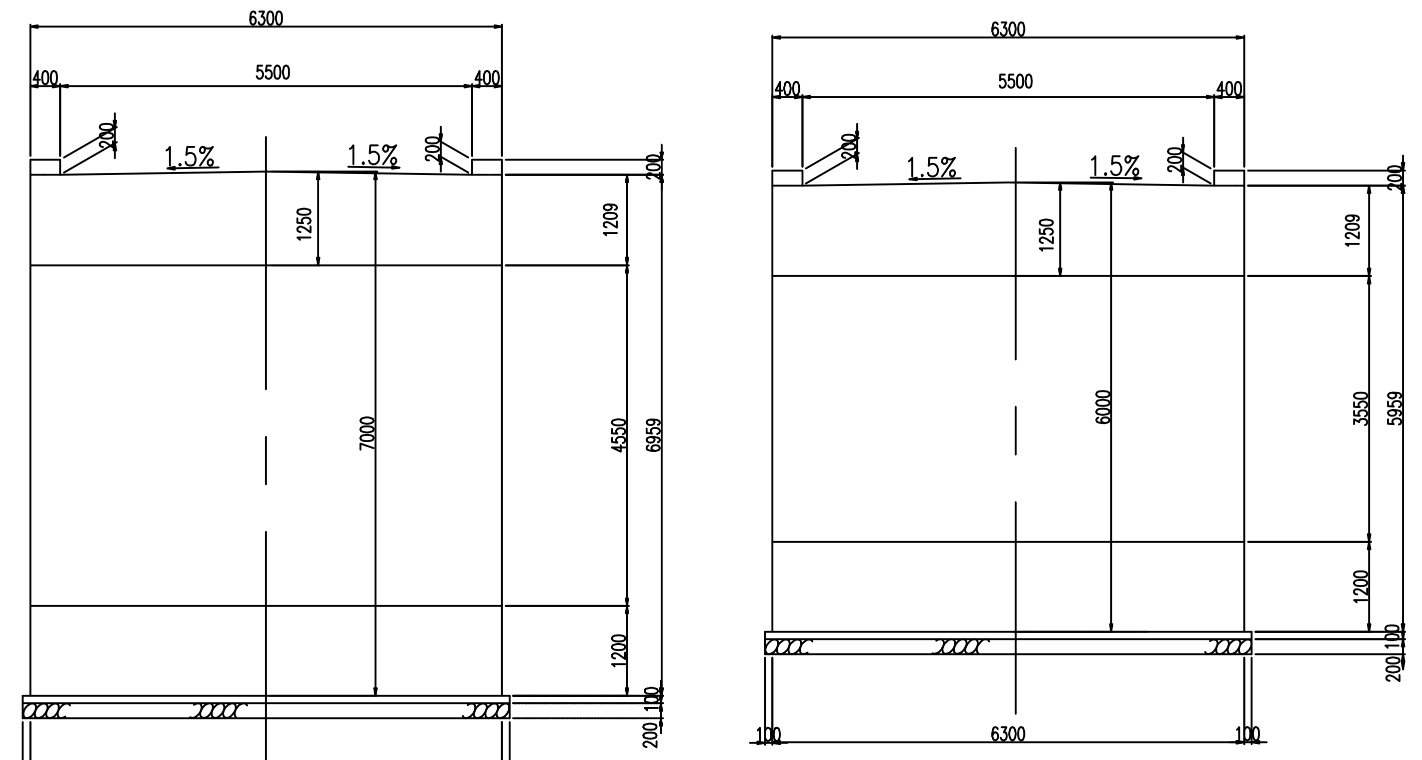
PIER P1

PIER P2



ABUTMENT A1

ABUTMENT A2



CROSS SECTION FOR PC GIRDER
S=1/100

GIRDER LENGTH 24700

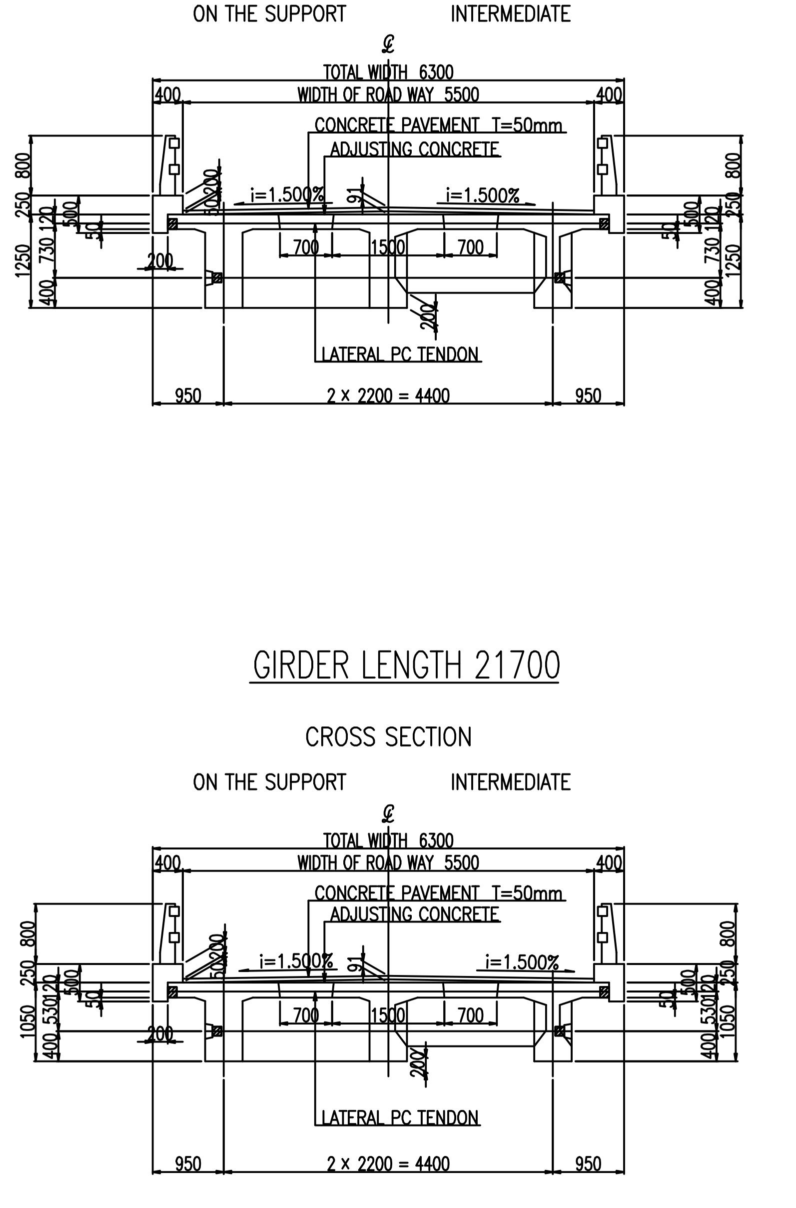
CROSS SECTION

ON THE SUPPORT INTERMEDIATE

GIRDER LENGTH 21700

CROSS SECTION

ON THE SUPPORT INTERMEDIATE



DESIGN CRITERIA

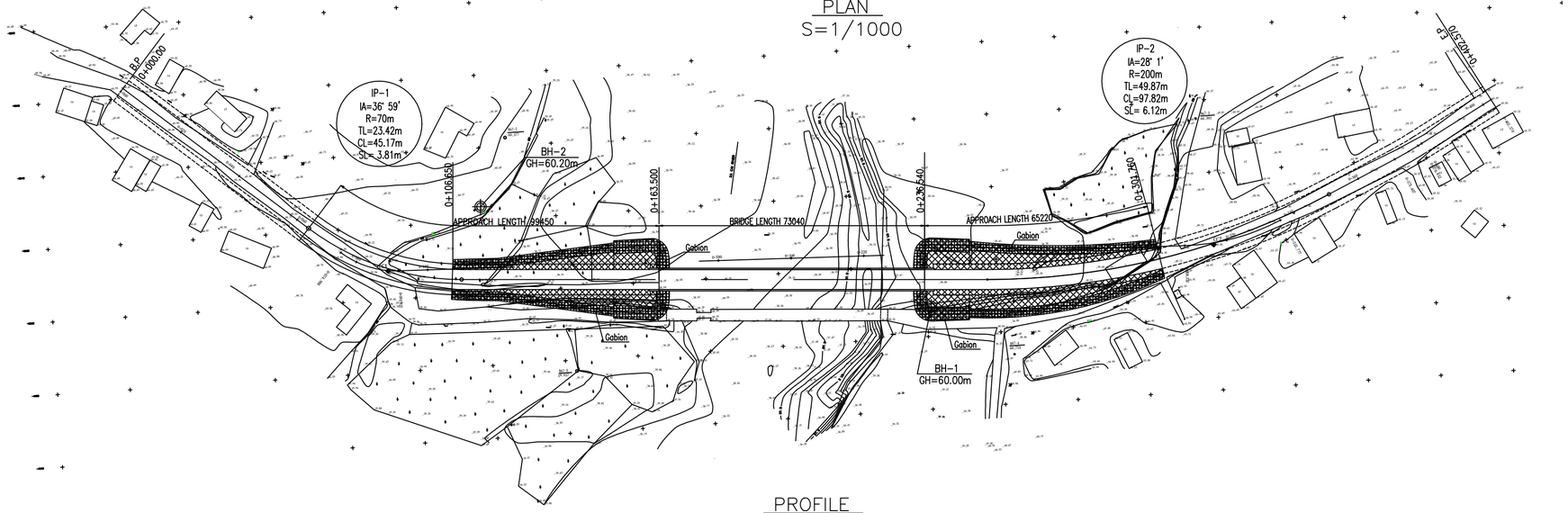
General Condition		
Design Live Load	H13,X60	
Design Speed	V=25km/h	
Bridge Length(Span Length)	68.30m(21.00m+24.00m+21.00m)	
Free Board	1.0m	
Longitudinal Gradient	0.3%	
Cross-fall of Carriage way	1.50%	
Super Structure Type	Prestressed Concrete	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Abutment	Spread Foundation
	Pier	Spread Foundation
Material Strength		
Super Structure Type	Girder	σ28=35N/mm²
	Cross Beam	σ28=30N/mm²
	Slab	σ28=30N/mm²
Surface	Curb,Handrail	σ28=21N/mm²
Sub Structure Type		σ28=21N/mm²
Reinforcing Steel		SD295(py=295N/mm²)

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	DZUNG
SIGNATURE			
DATE			

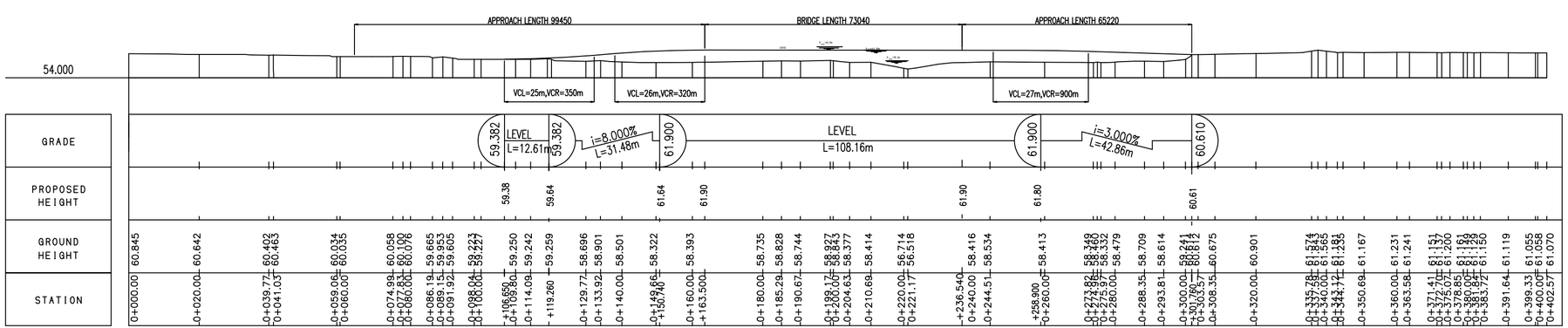
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200 ,1/1000	Br67~	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.67 XA CAI)		
REV.NO.	DATE	DESCRIPTION	SIGNATURE

BR.NO.67 XA CAI
GENERAL VIEW OF THE SITE

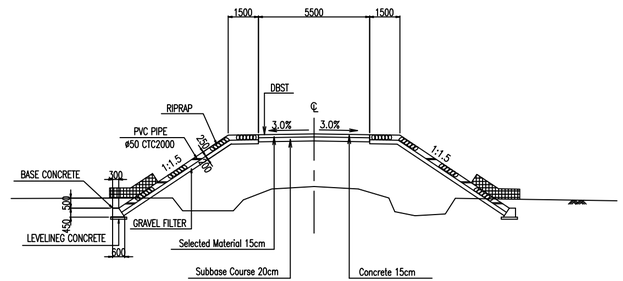
PLAN
S=1/1000

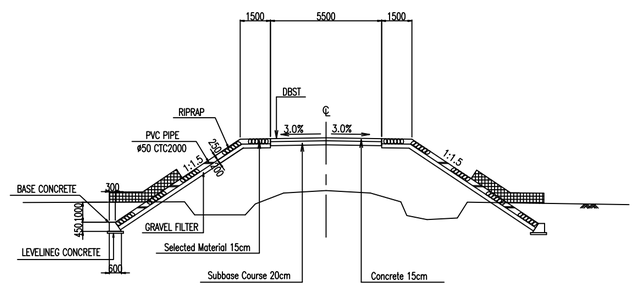


PROFILE
S=1/1000



TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200





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			
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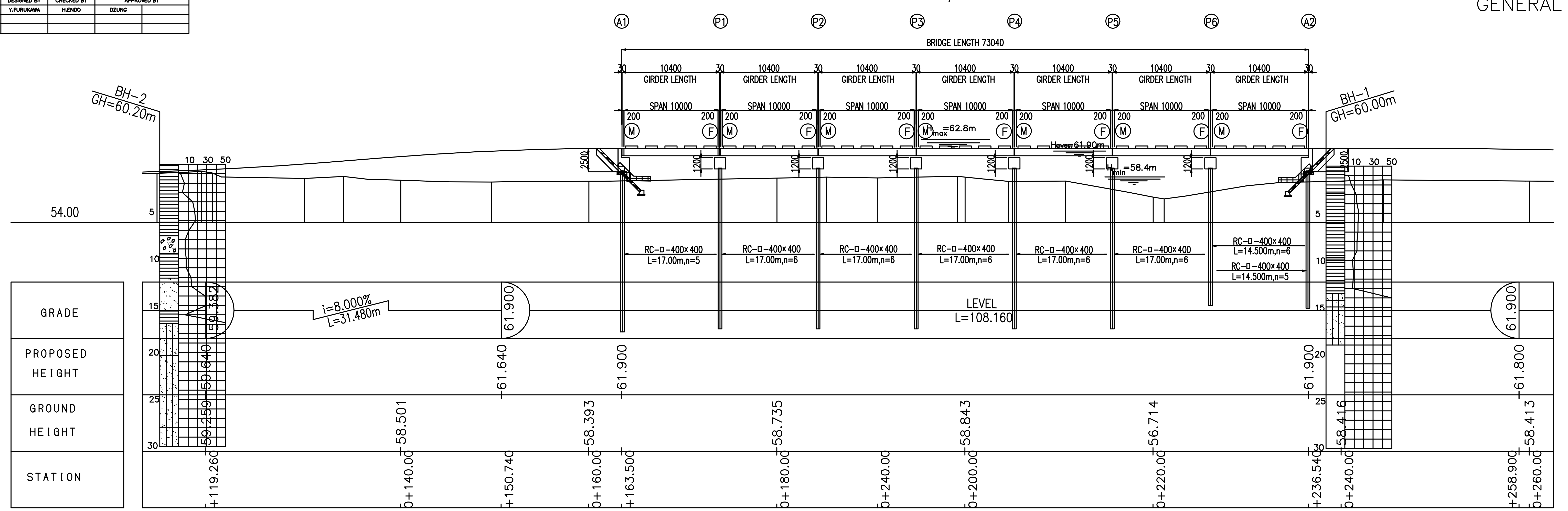
NAME	Y.FURUKAWA	H.ENDO	DZUNG	
SIGNATURE				
DATE				

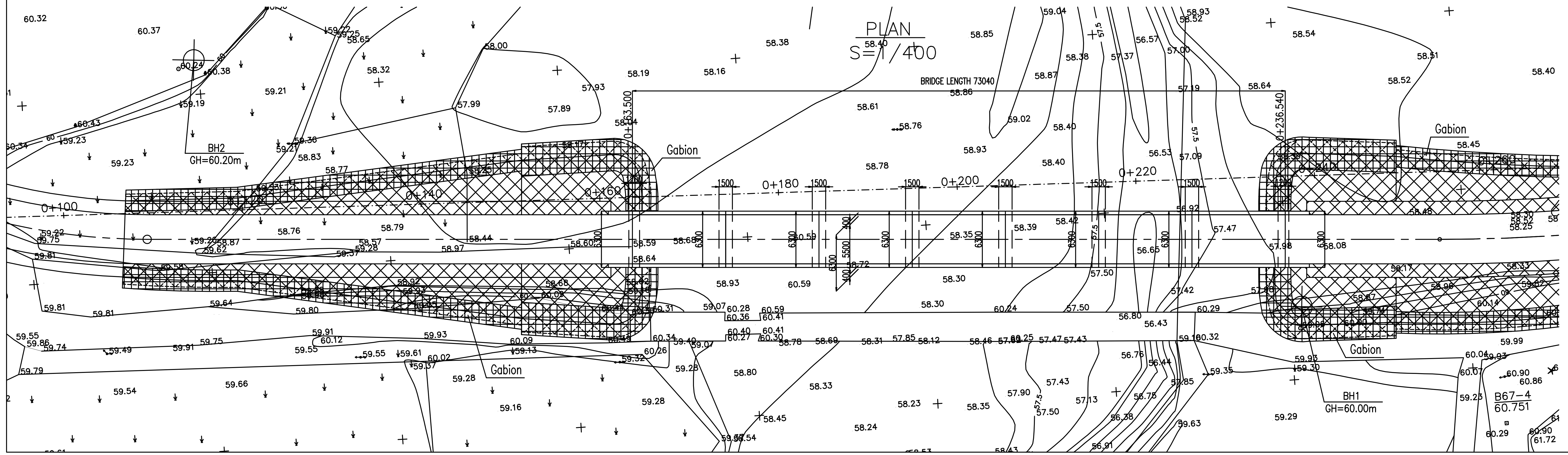
BR.NO.67 XA CAI
GENERAL VIEW OF THE BRIDGE

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100,1/400	C-2	1 OF 1
DRAWING TITLE	BRIDGE STRUCTURE (BR.NO.67 XA CAI)		
REV.NO.	DATE	DESCRIPTION	SIGNATURE

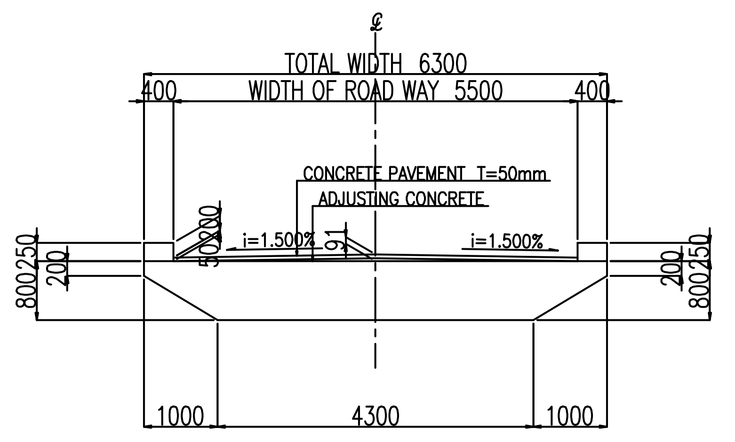
PROFILE
S=1/400



PLAN
S=1/400

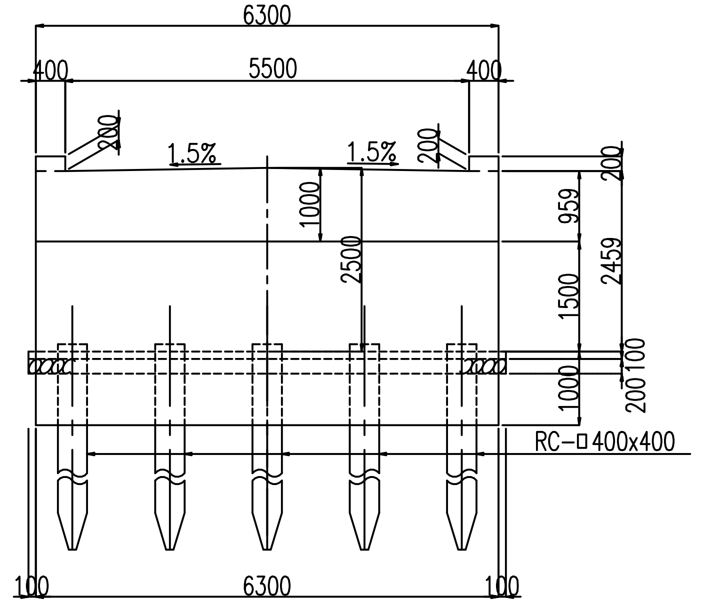


CROSS SECTION FOR RC GIRDER
S=1/100
GIRDER LENGTH 10400

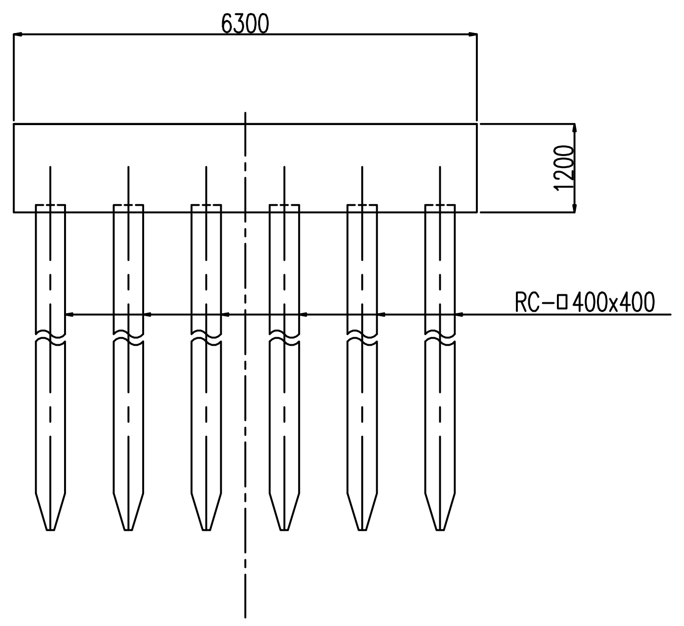


FRONT VIEW
S=1/100

ABUTMENT



PIER



DESIGN CRITERIA

General Condition		
Design Live Load	H13,X60	
Design Speed	V=25km/h	
Bridge Length(Span Length)	73.04m(7@10.00m)	
Free Board		
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	Rc Pile □400x400
	Pier	Rc Pile □400x400
Material Strength		
Super Structure Type	Slab	σ28=30N/mm²
Surface	Curb,Handrail	σ28=21N/mm²
Sub Structure Type		σ28=21N/mm²
Reinforcing Steel		SD295(py=295N/mm²)