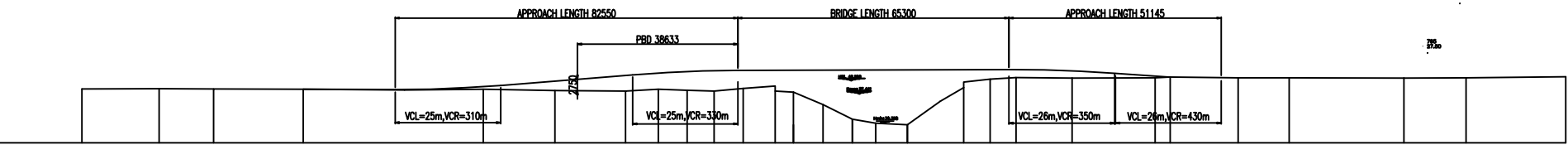
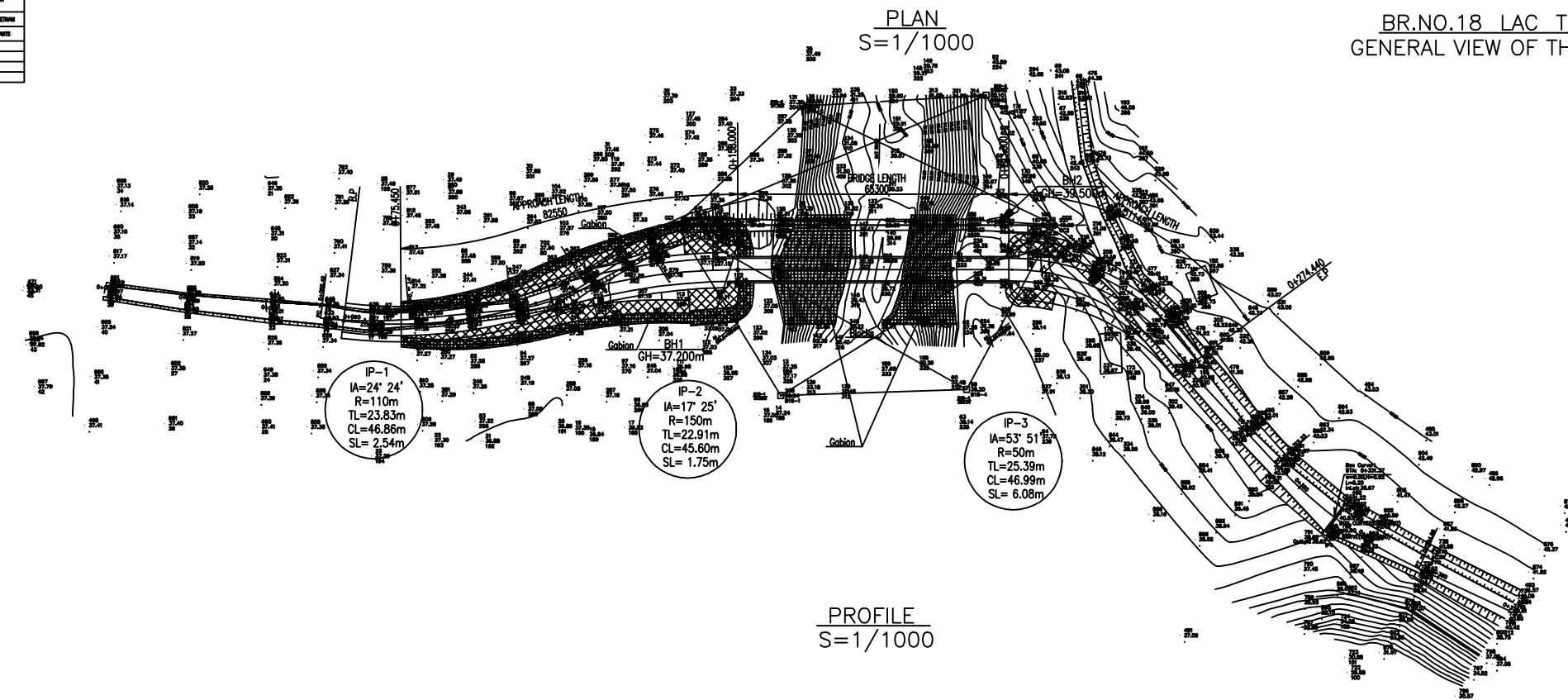


THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM			
PROJECT MANAGEMENT UNIT NO.14, MINISTRY OF TRANSPORTS			
PROJECT: THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM			
CONSULTANT: CONSULTING OF PUBLIC CONSTRUCTION ENGINEERING AND DESIGN CONSULTANTS			
DESIGNED BY	CHECKED BY	APPROVED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

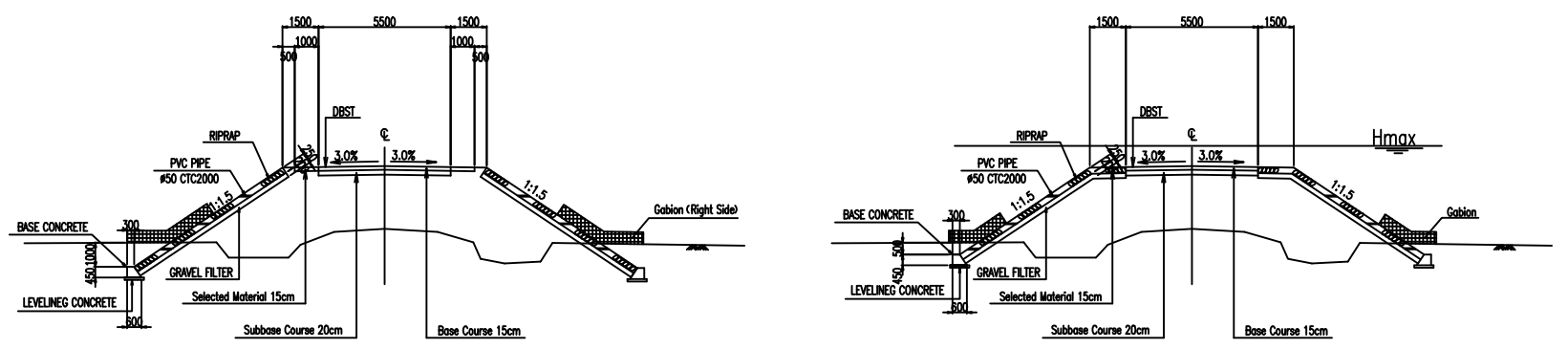
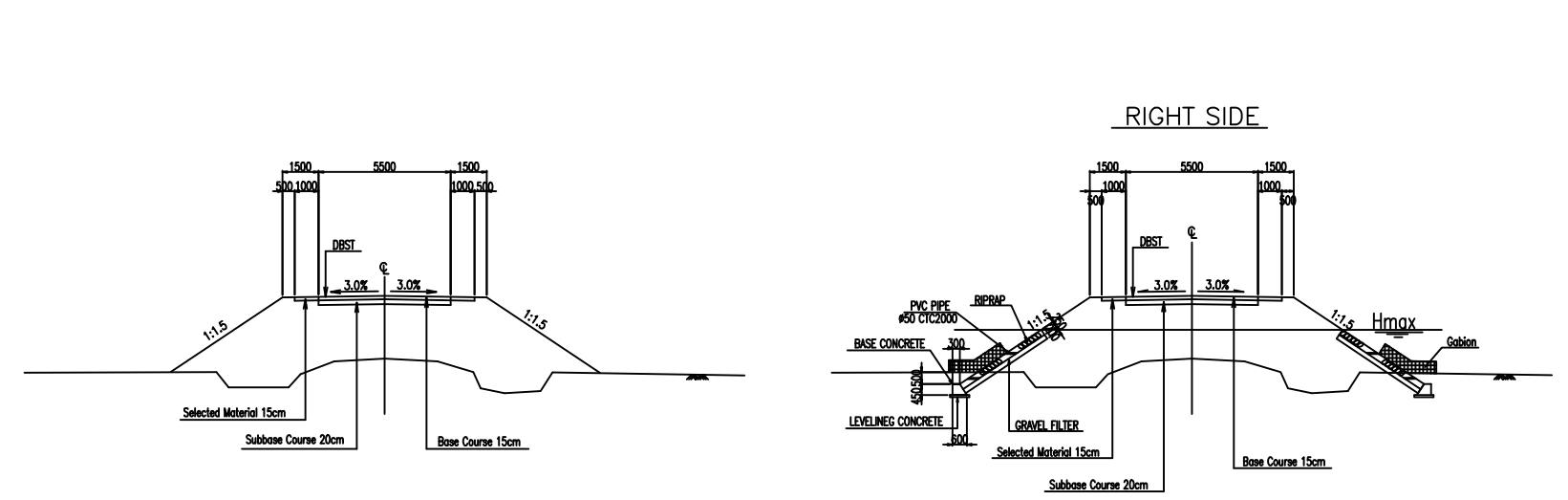
BR.NO.18 LAC THIEN
GENERAL VIEW OF THE SITE



GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION
			0+0.00
			0+18.57
			0+31.67
			0+53.28
	37.78	37.863	+075.450
	37.78	37.866	+088.160
	38.04	37.866	0+96.68
		37.576	0+113.94
		37.430	0+130.94
		37.898	0+138.84
		37.602	+145.335
		37.433	0+152.27
		38.070	+198.000
		37.441	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

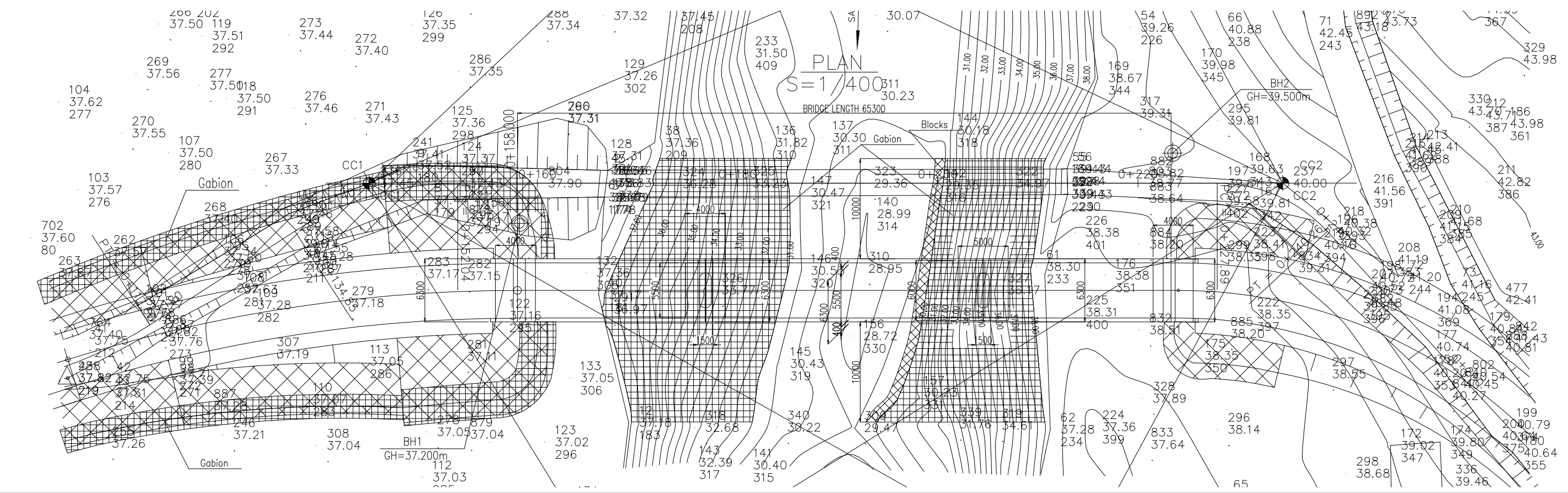
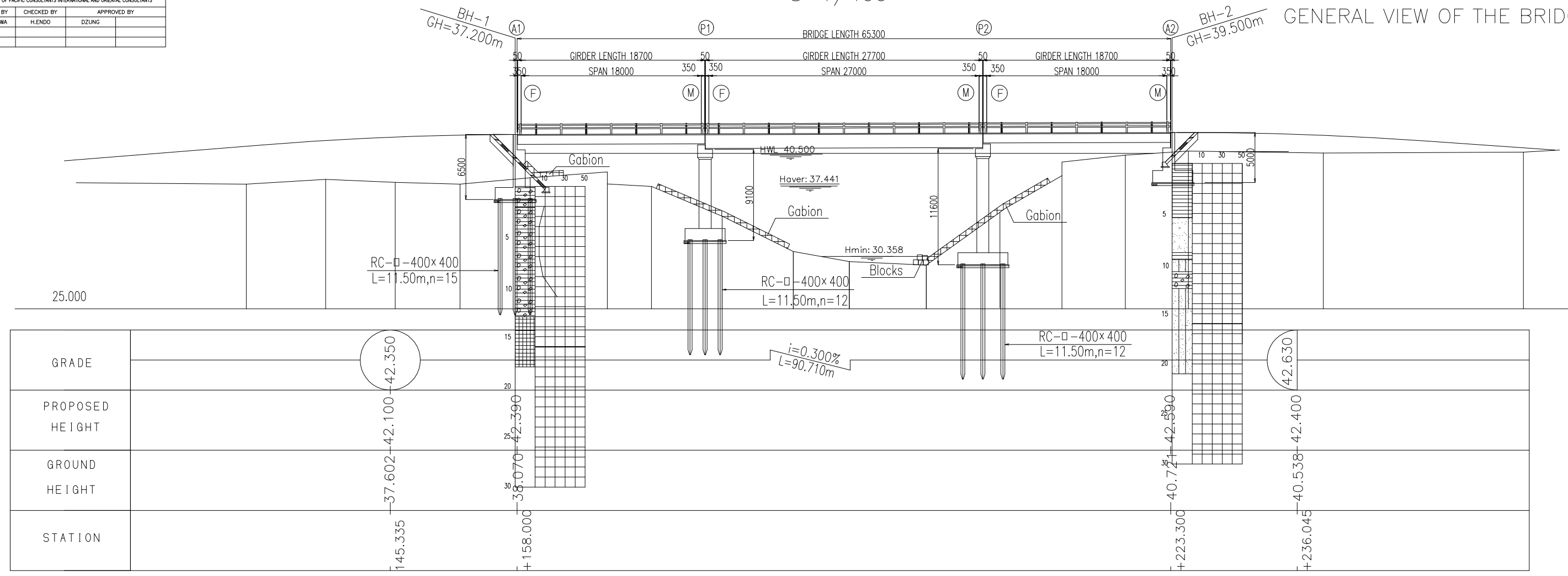
TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



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	NAME H.ENDO	NAME D.ZING	
SIGNATURE	SIGNATURE	SIGNATURE	
DATE	DATE	DATE	

PROFILE
S=1/400

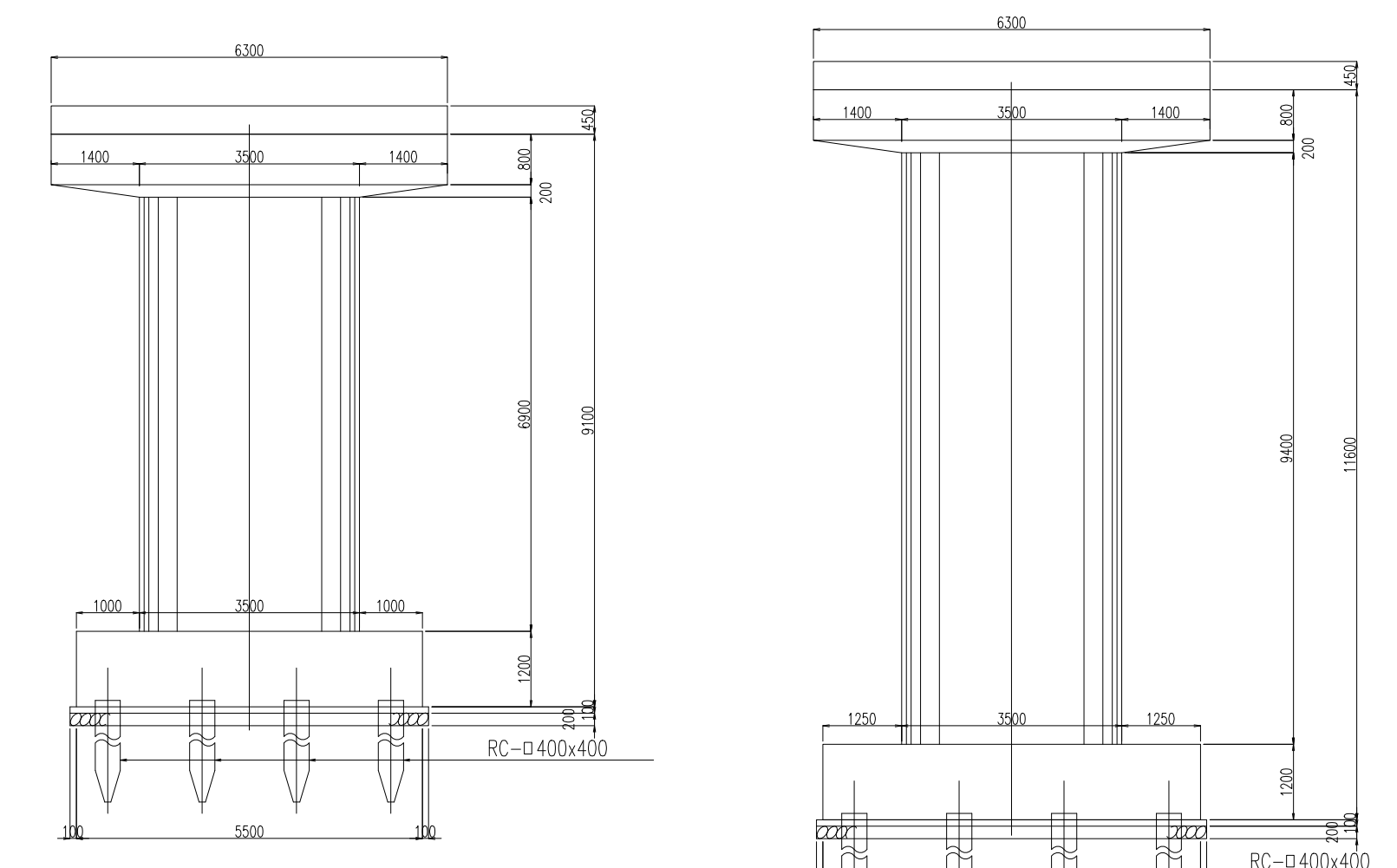
BR.NO.18 LAC THIEN
GENERAL VIEW OF THE BRIDGE



PIER P1

FRONT VIEW
S=1/100

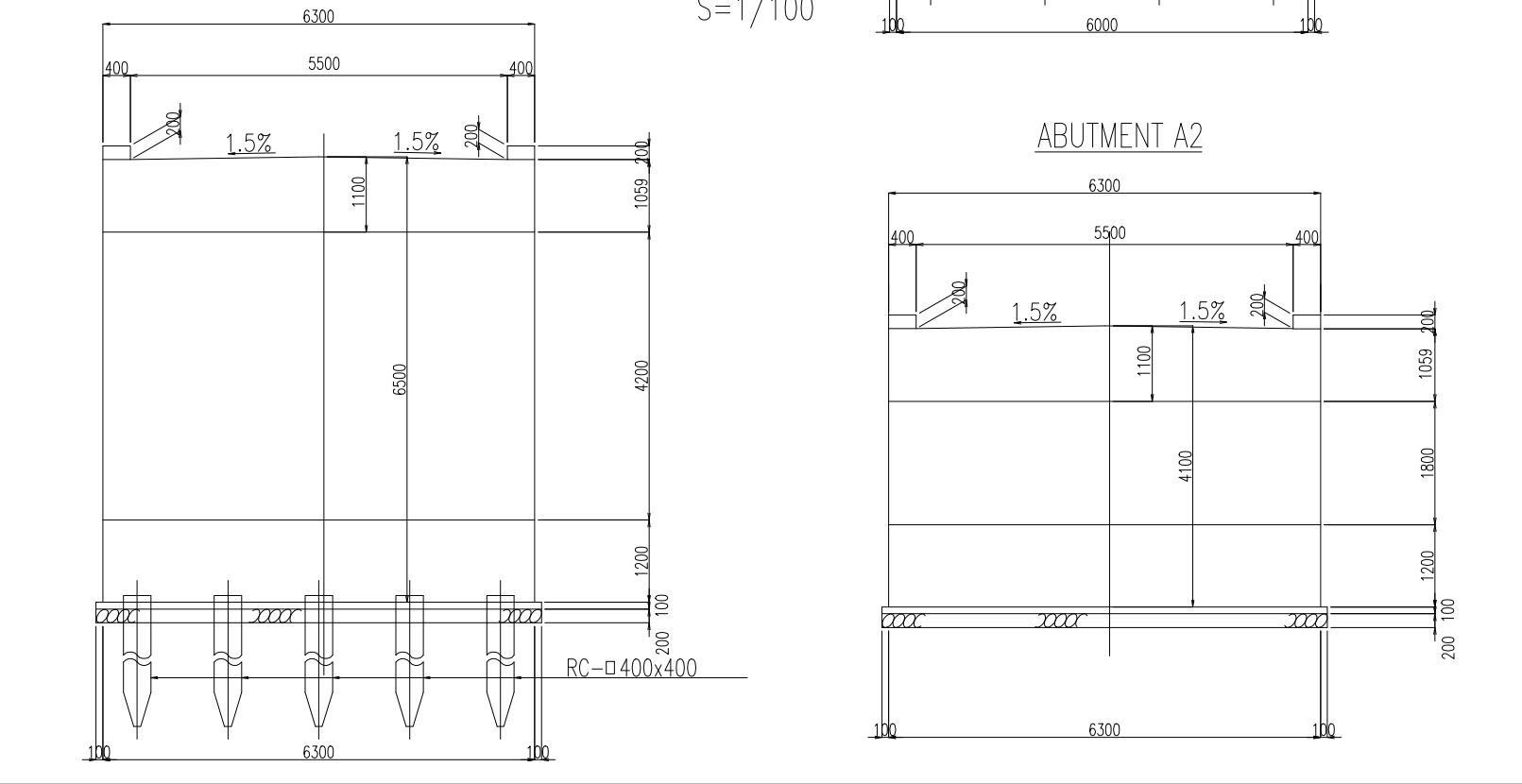
PIER P2



ABUTMENT A1

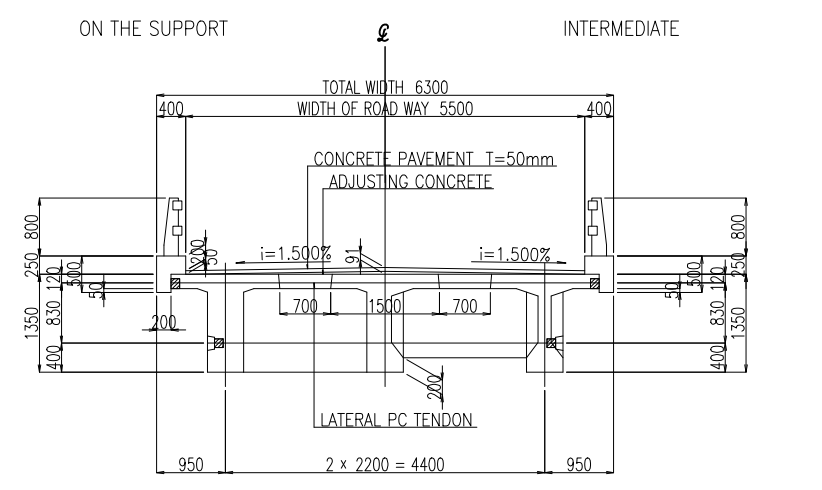
FRONT VIEW
S=1/100

ABUTMENT A2

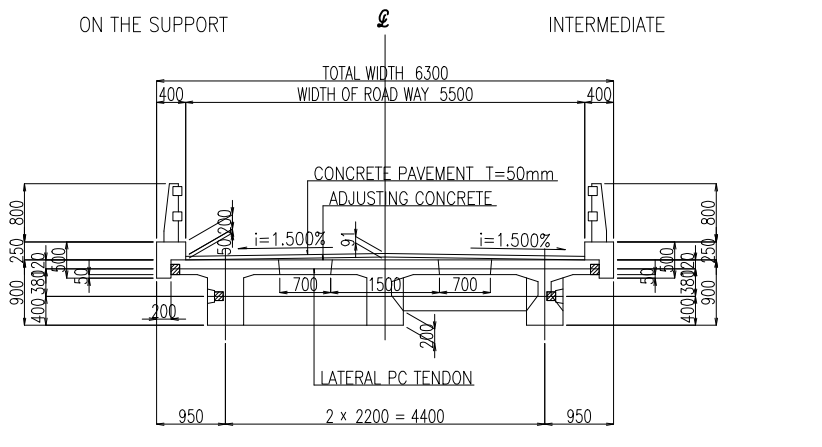


SECTION	SCALE	DRAWING NO.	SHEET NO.
BRIDGE TITLE	1/100, 1/400	C-2	1 OF 1
REV. NO.	DATE	DESCRIPTION	SIGNATURE
		BRIDGE STRUCTURE (BR.NO.18 LAC THIEN)	

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



GIRDER LENGTH 18700



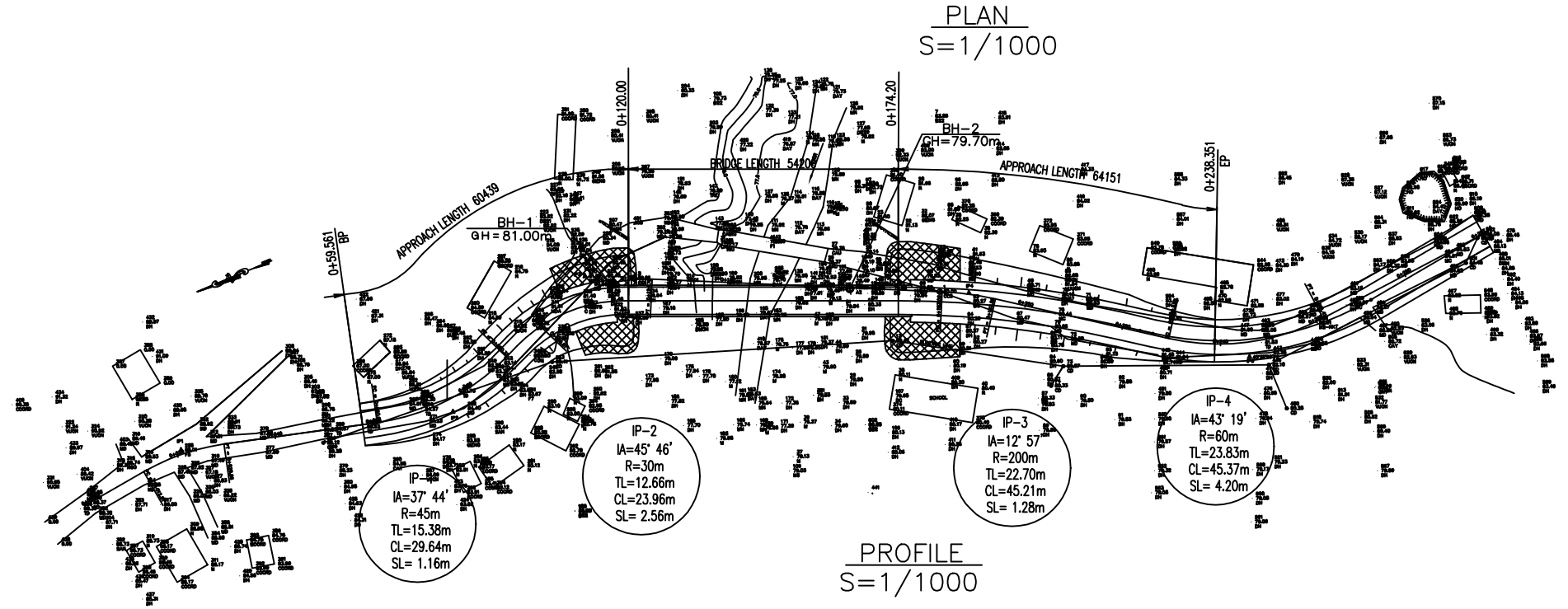
DESIGN CRITERIA

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 D400x400 Pier Rc Pile D400x400
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($\sigma_y=295N/mm^2$)

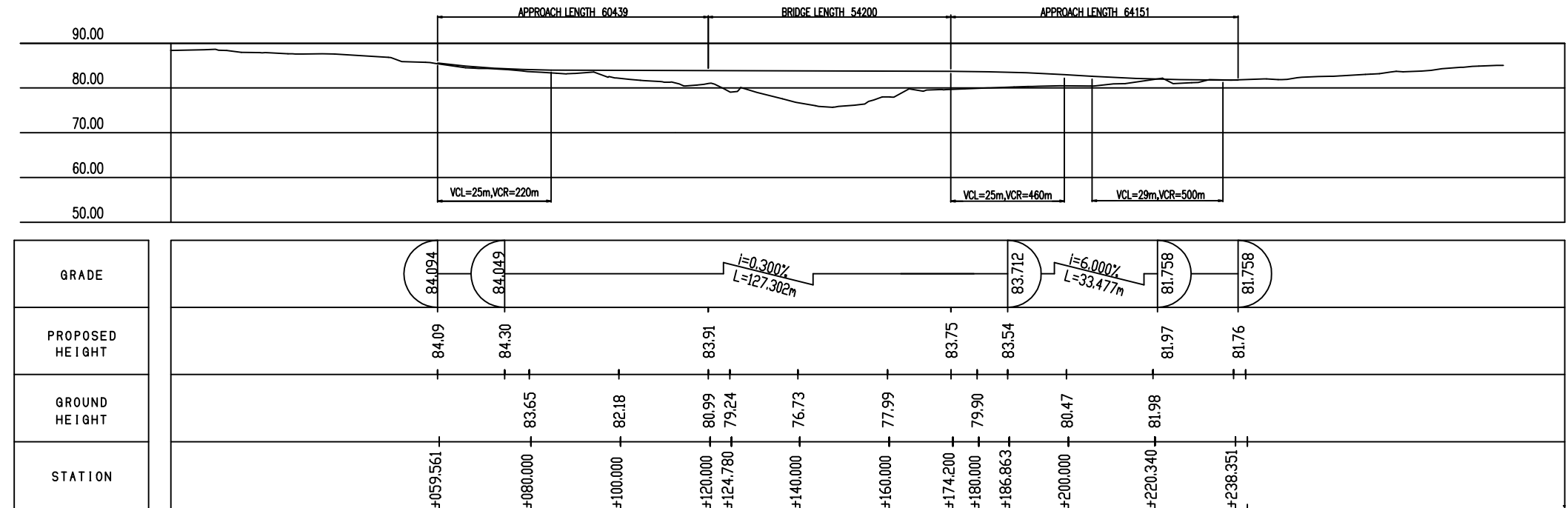
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIGINAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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

BR.NO.22 PA NHO
GENERAL VIEW OF THE SITE

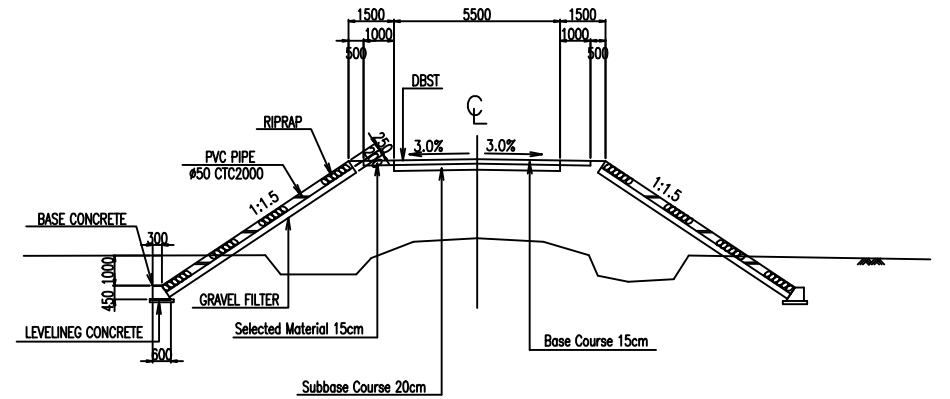
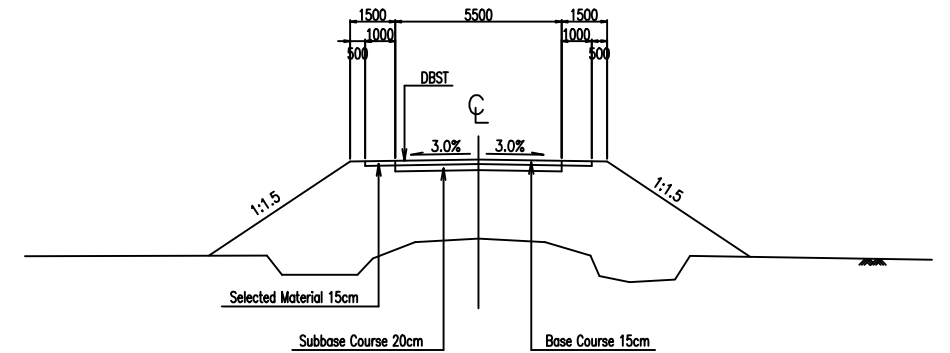
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200, 1/1000	B-22-	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.22 PA NHO)		
REV. NO.	DATE	DESCRIPTION	SIGNATURE



PROFILE
S=1/1000



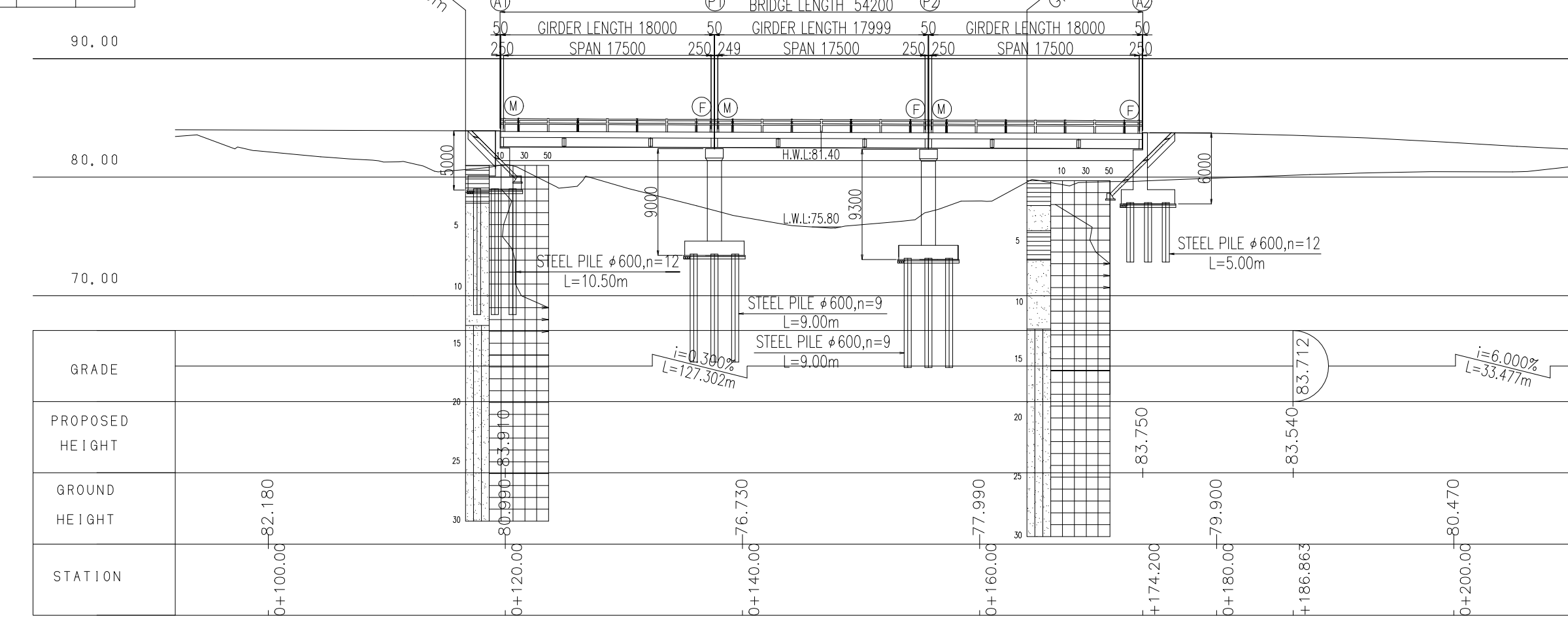
TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



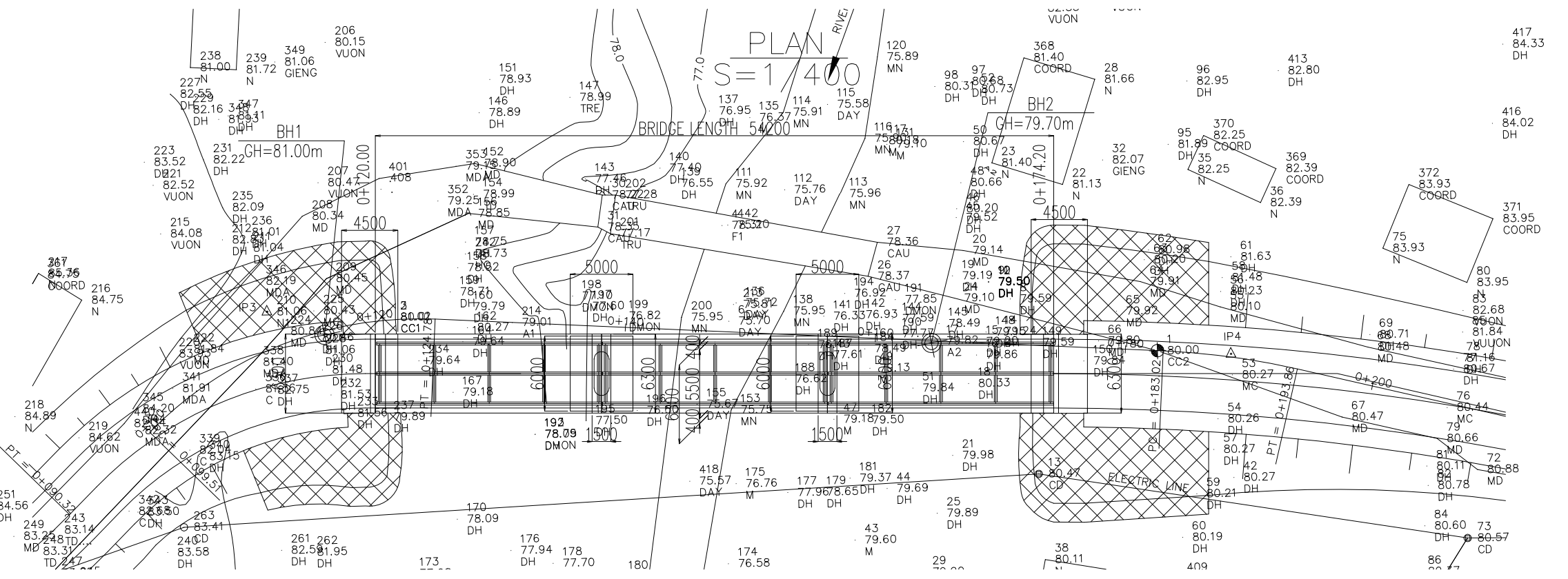
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND OTHER CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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

PROFILE
S=1/400

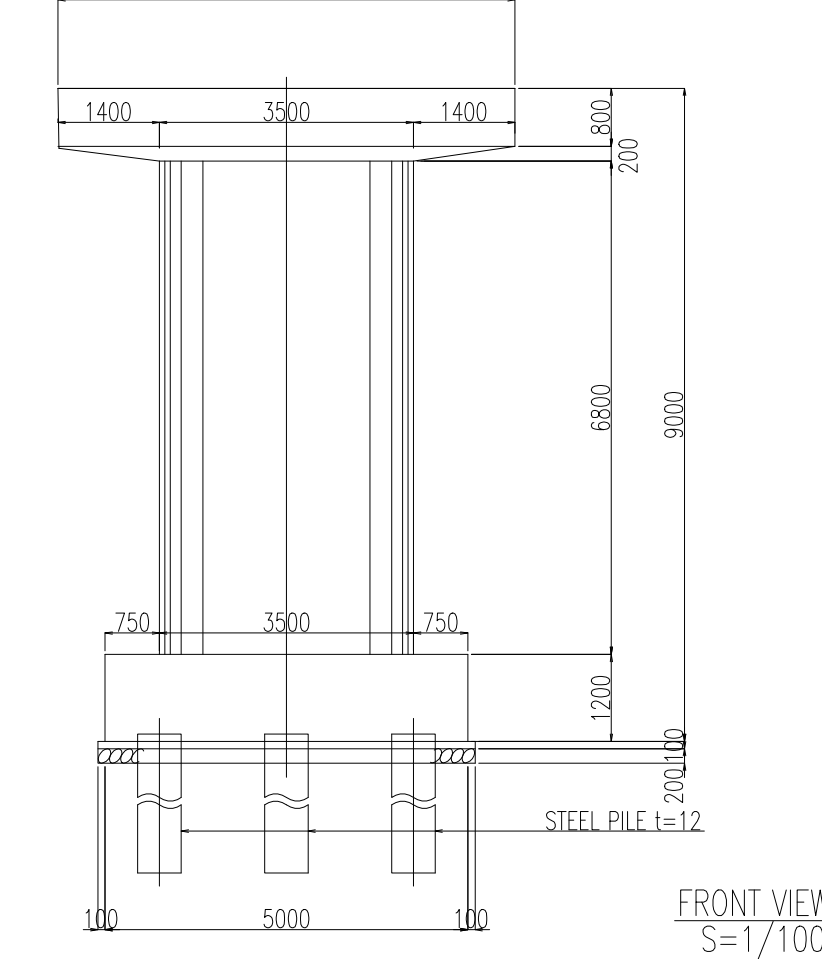
BR.NO.22 PA NHO
GENERAL VIEW OF THE BRIDGE



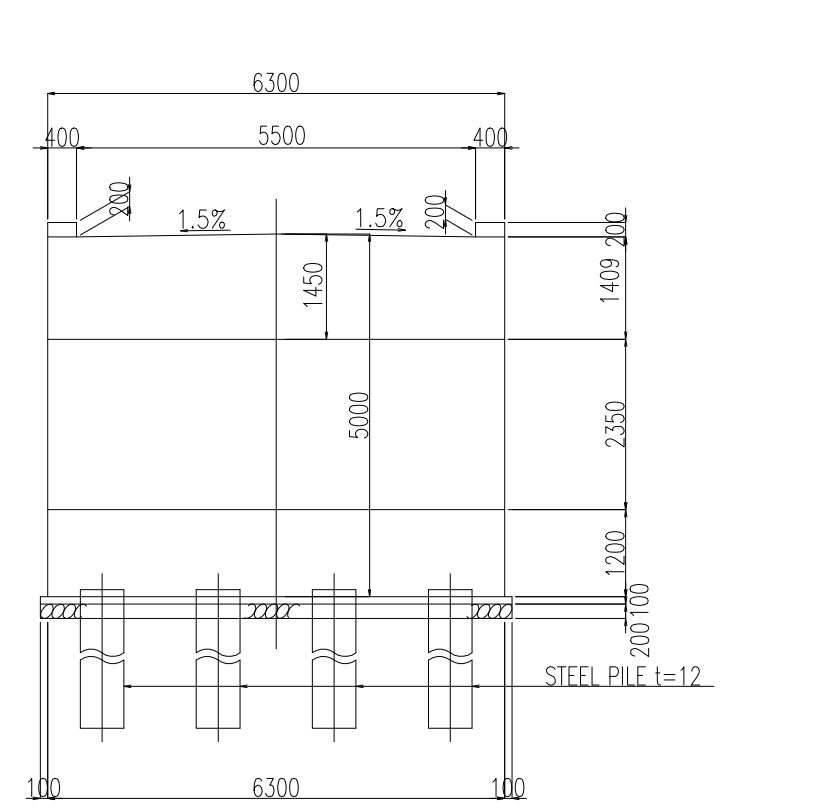
GRADE	
PROPOSED HEIGHT	
GROUND HEIGHT	
STATION	



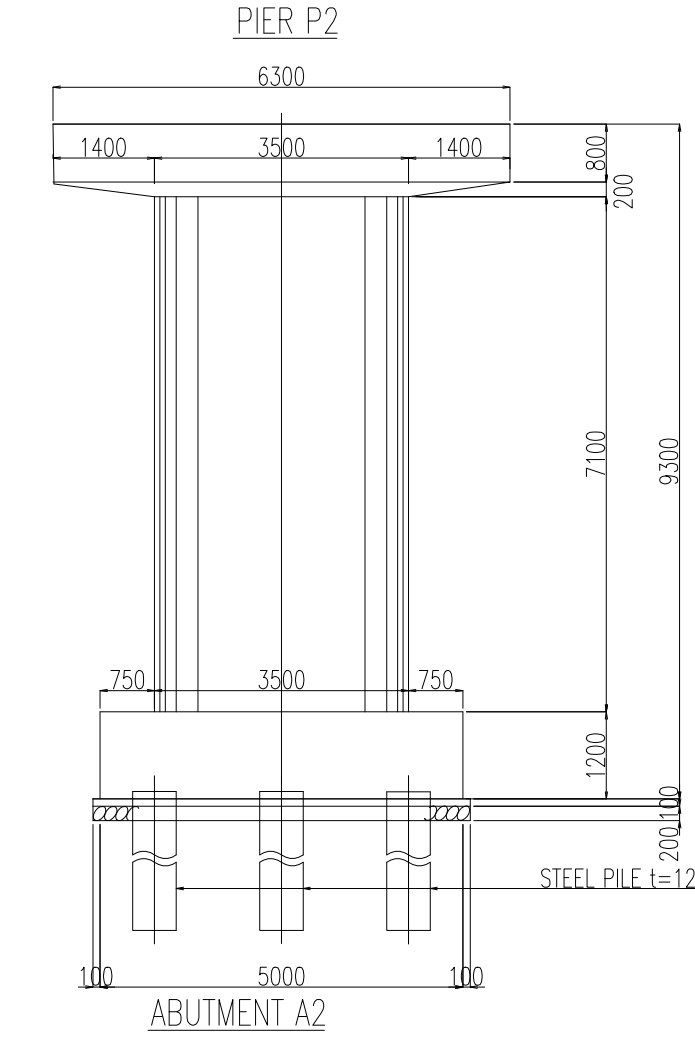
PIER P1
FRONT VIEW
S=1/100



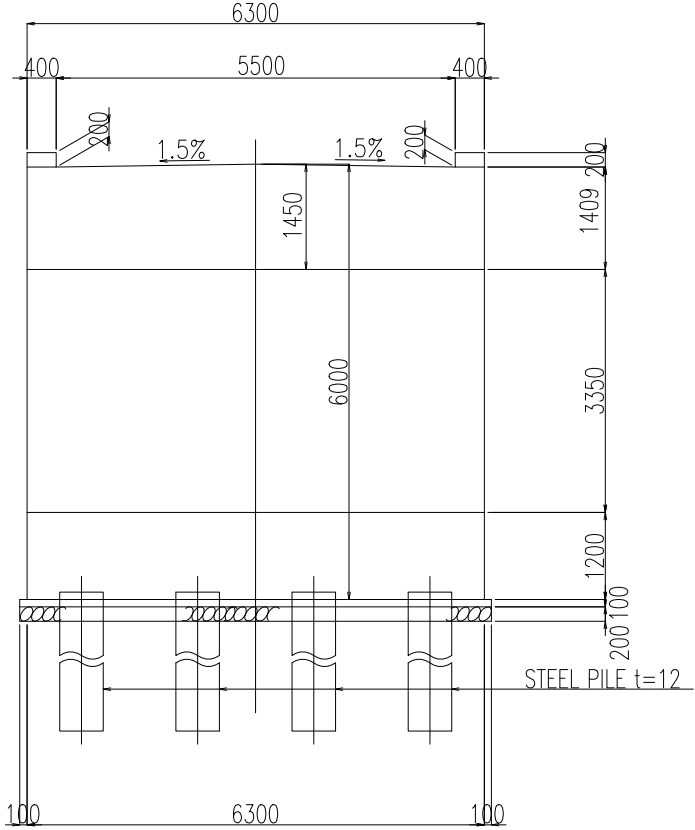
ABUTMENT A1



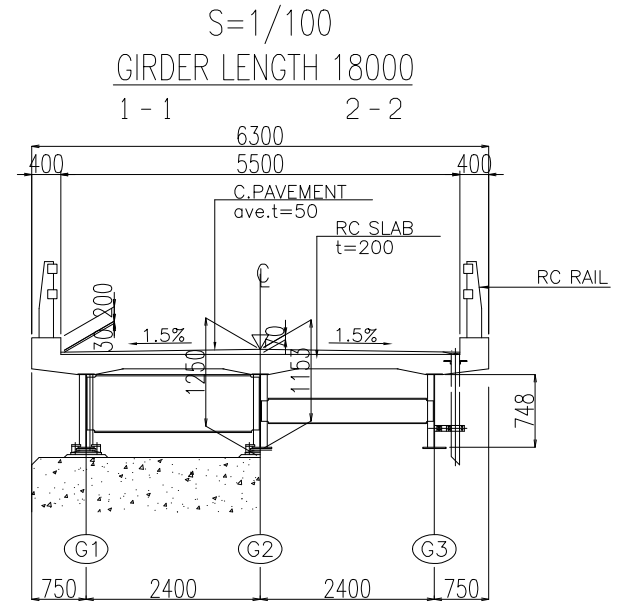
PIER P2
FRONT VIEW
S=1/100



ABUTMENT A2



CROSS SECTION FOR PC GIRDER



DESIGN CRITERIA

General Condition		
Design Live Load	H13.X60	
Design Speed	V=25km/h	
Bridge Length(Span Length)	54.20m(17.50m+17.5m+17.5m)	
Free Board	1.0m	
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	Abutment	Steel Pile # 600
	Pier	Steel Pile # 600
Material Strength		
Super Structure Type	Girder	SM490Y
	Cross Beam	SM490Y
Surface	Slab	σ28=30N/mm²
	Curb,Handrail	σ28=21N/mm²
Sub Structure Type	Pier	σ28=21N/mm²
	Reinforcing Steel	SD295(py=295N/mm²)