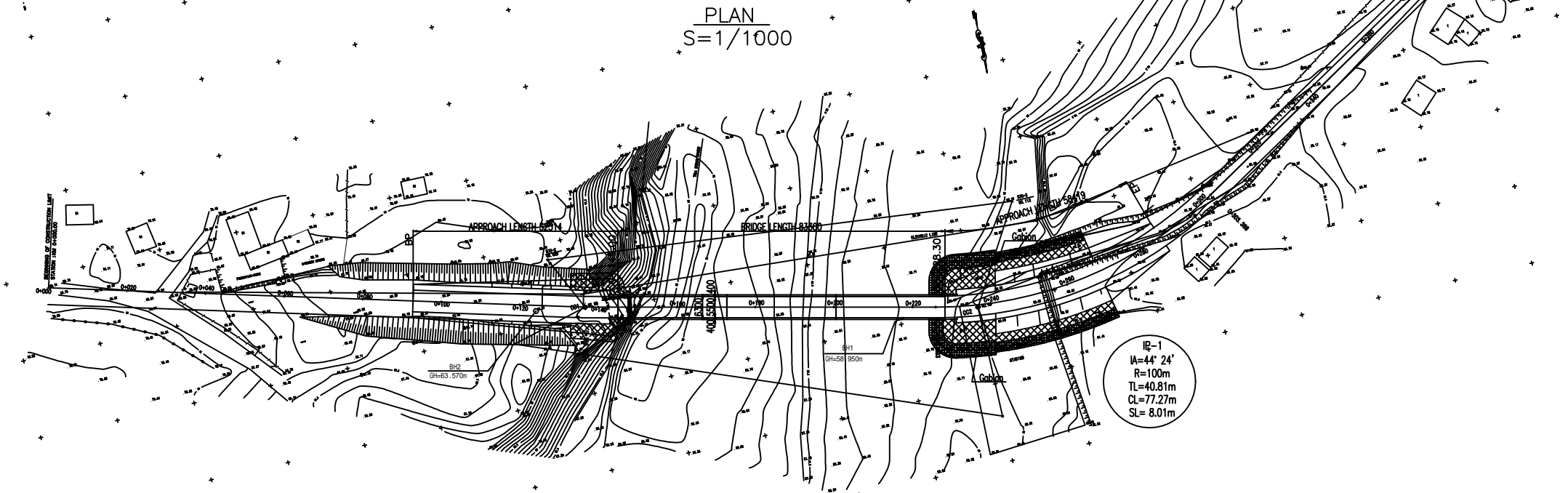


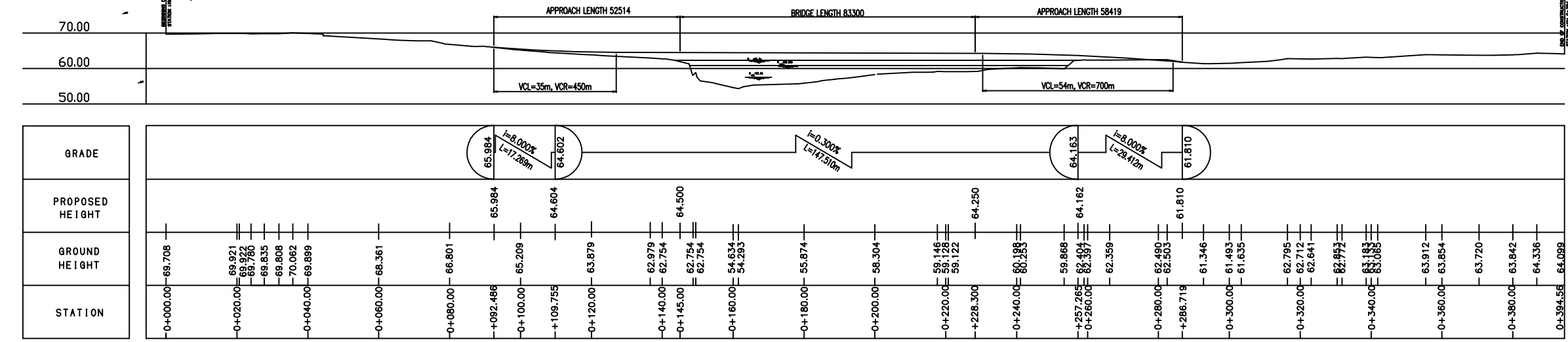
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.16, MINISTRY OF TRANSPORTS				
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM			
CONSULTANT	CONSULTING OF PACIFIC CONSULTANTS INTERNATIONAL AND OTHERS CONSULTANTS			
DESIGNED BY	Y. J. L. R. A. G. A. M. A. N. I.	CHECKED BY	Y. J. L. R. A. G. A. M. A. N. I.	APPROVED BY
NAME	Y. J. L. R. A. G. A. M. A. N. I.	DATE		
SIGNATURE				
DATE				

SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/200, 1/1000	B/70	1 OF 1
DRAWING TITLE	ROAD PLANNING (BR.NO.70 DO)		
REV. NO.	DATE	DESCRIPTION	SIGNATURE

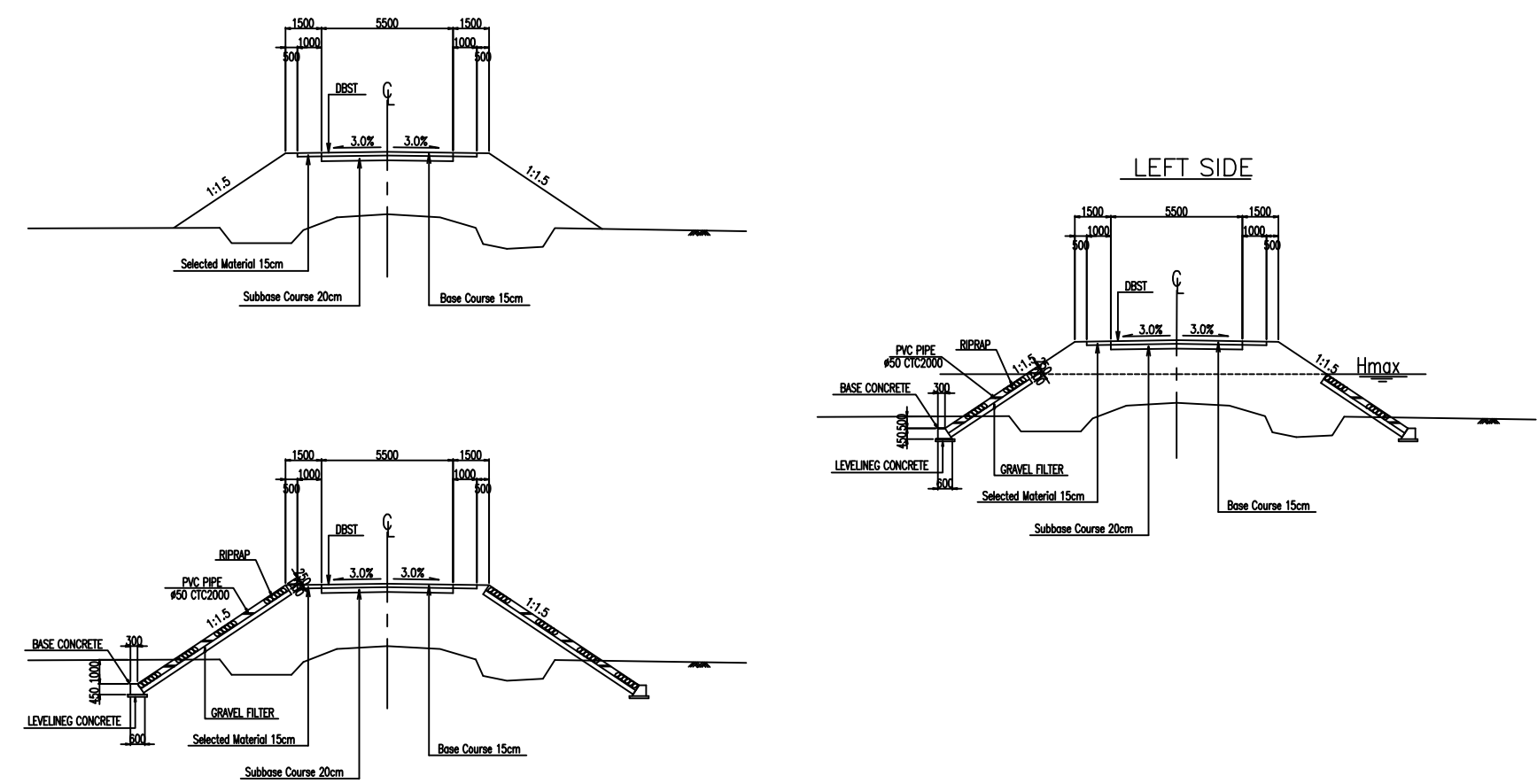
BR.NO.70 DO  
GENERAL VIEW OF THE SITE



PROFILE\*  
S=1/1000



TYPICAL CROSS SECTION OF APPROACH ROAD  
S=1/200

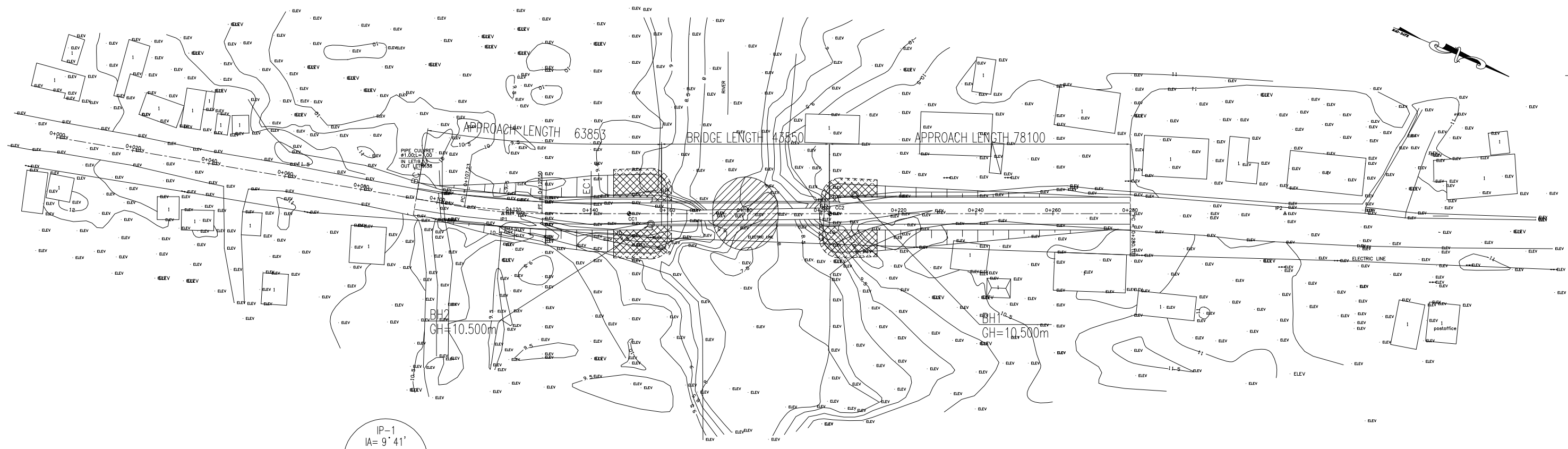




THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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

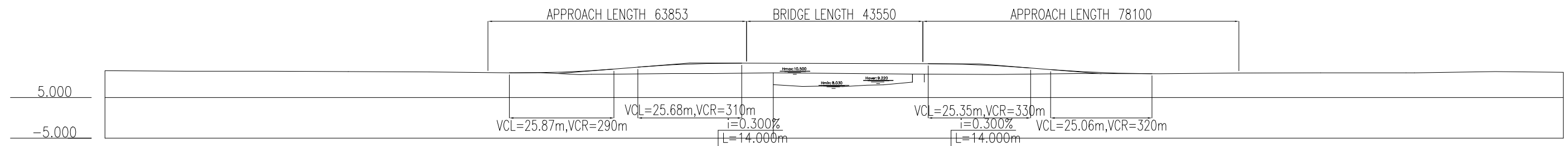
BR.NO.74 BA LE BRIDGE  
GENERAL VIEW OF THE SITE

PLAN  
S=1/1000



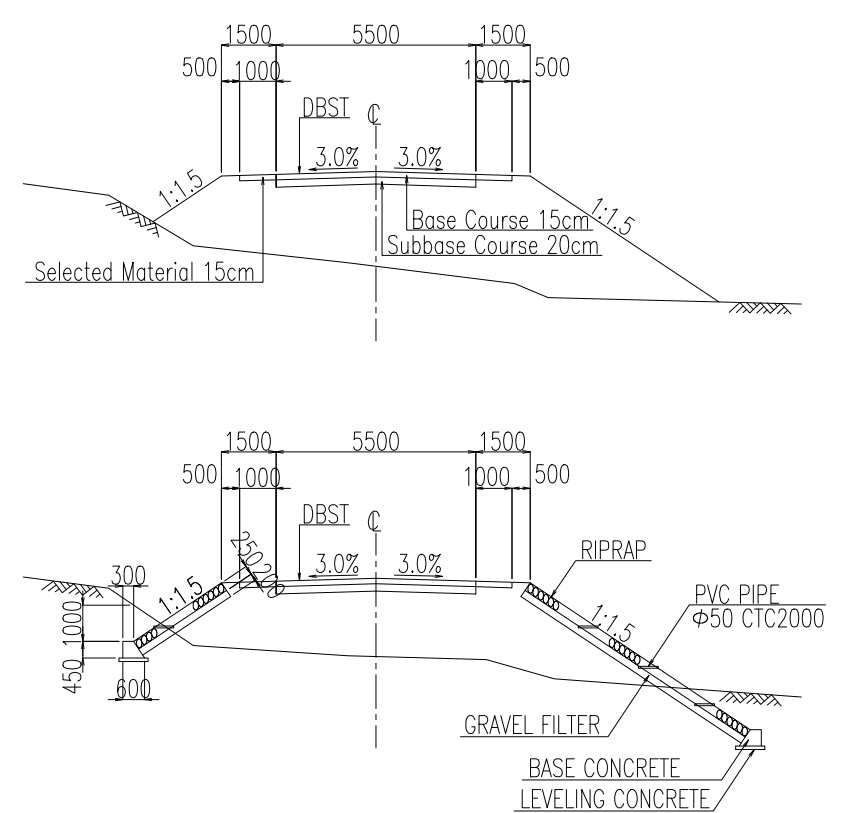
IP-1  
IA= 9' 41'  
R=270  
TL=22.86m  
CL=45.60m  
SL= 0.97m

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

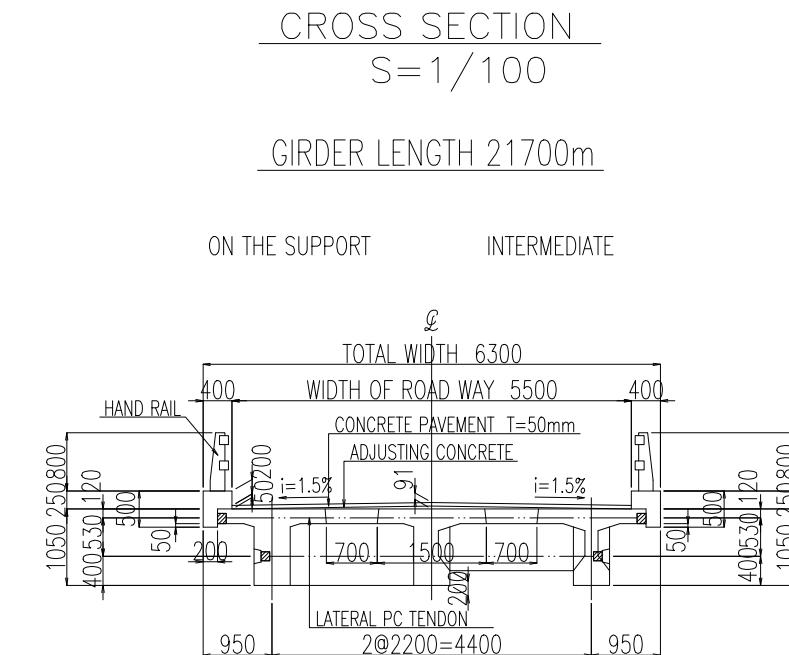
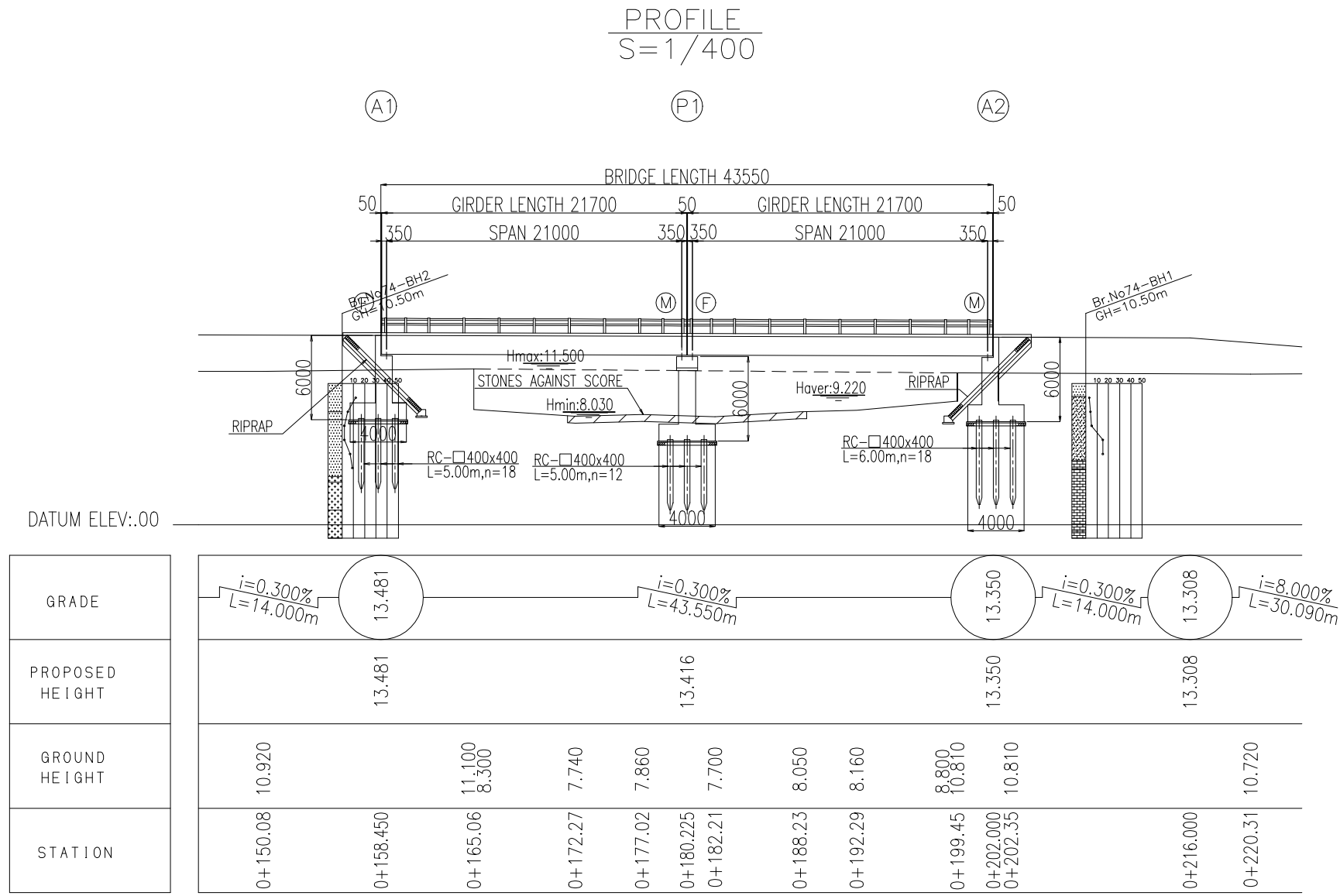
TYPICAL CROSS SECTION OF APPROACH ROAD  
S=1/200



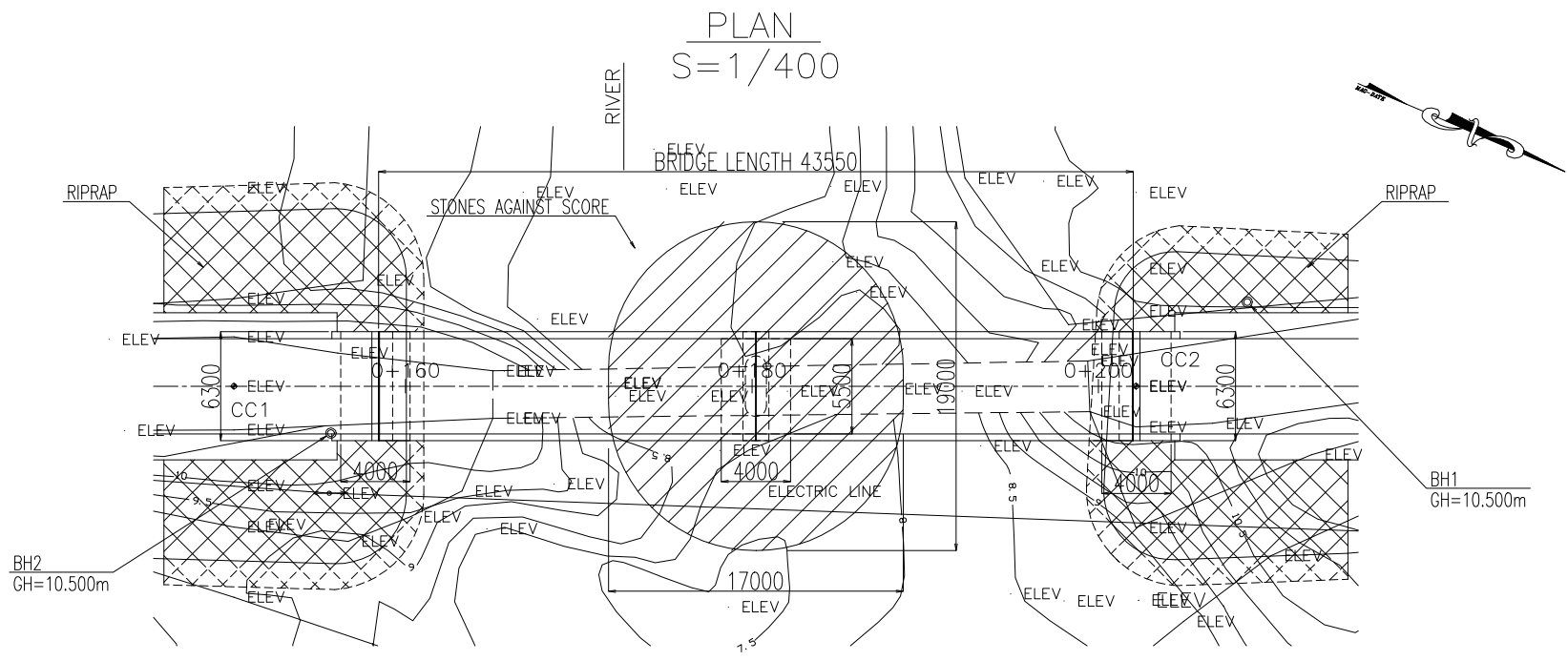
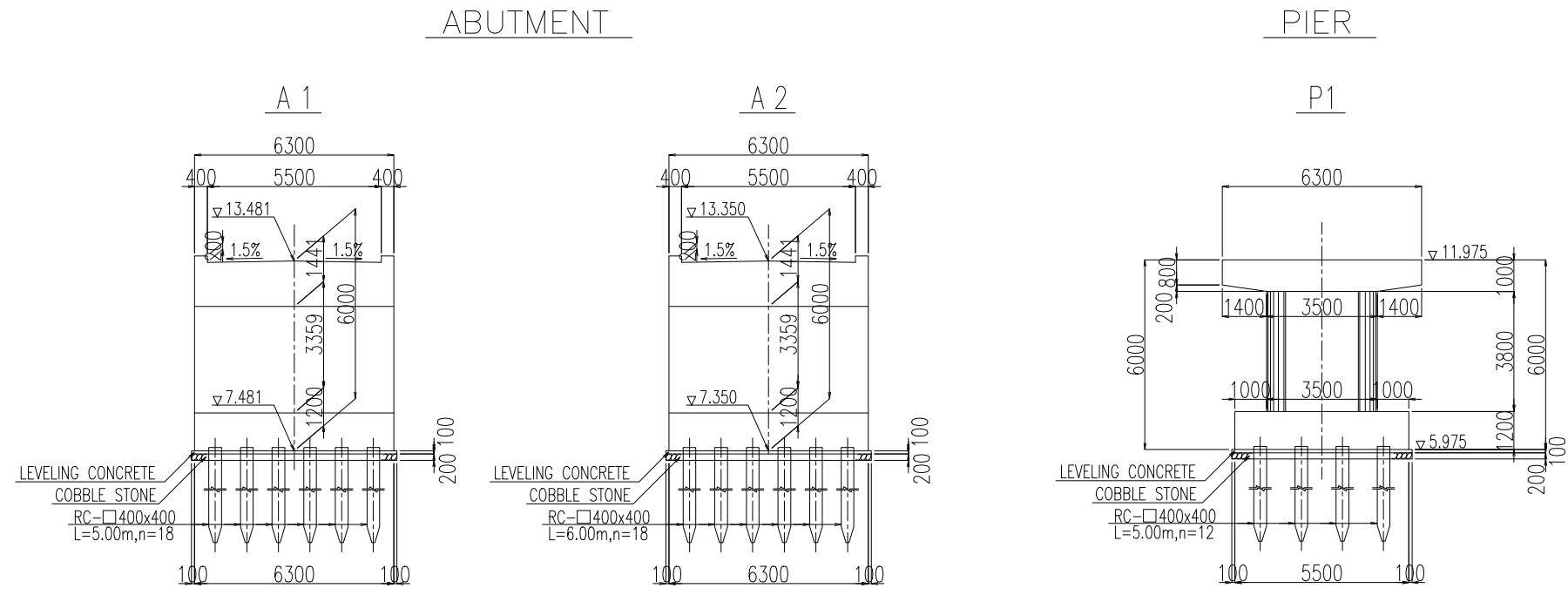
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO. 10, MINISTRY OF TRANSPORTS			
PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE GENERAL AREA OF VIETNAM		
CONSULTANT	CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS		
DESIGNED BY	CHECKED BY	APPROVED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



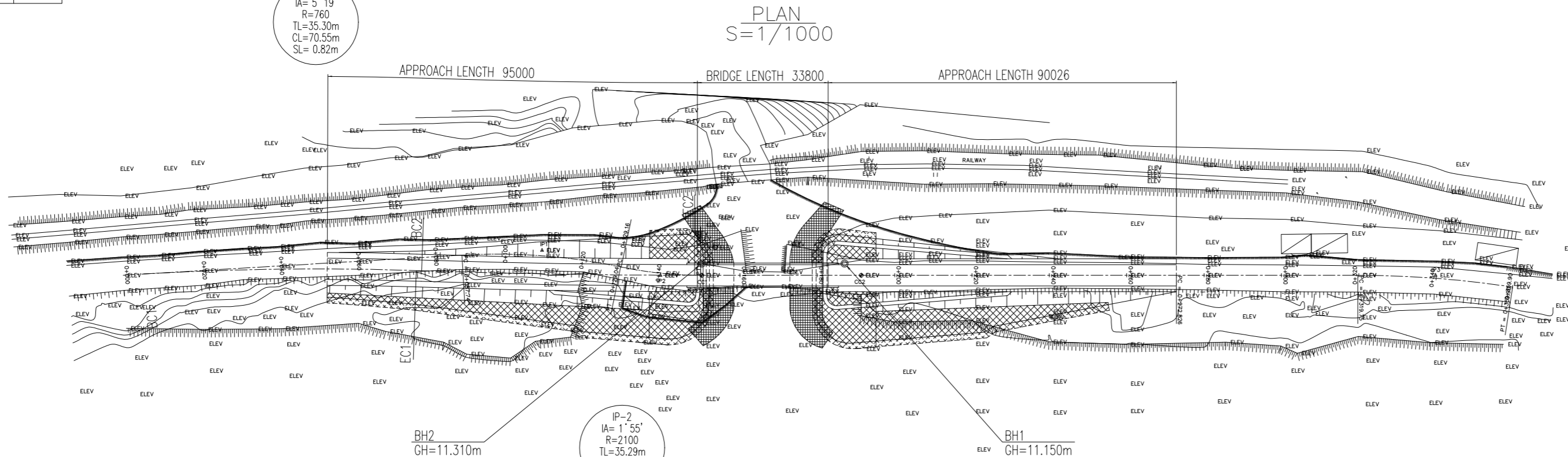
DESIGN CRITERIA

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 $\sigma$ 28=35N/mm <sup>2</sup>
	Cross Beam $\sigma$ 28=30N/mm <sup>2</sup>
	Slab $\sigma$ 28=30N/mm <sup>2</sup>
Surface	Curb,Handrail $\sigma$ 28=21N/mm <sup>2</sup>
Sub Structure Type	$\sigma$ 28=21N/mm <sup>2</sup>
Reinforcing Steel	SD295(py=295N/mm <sup>2</sup> )

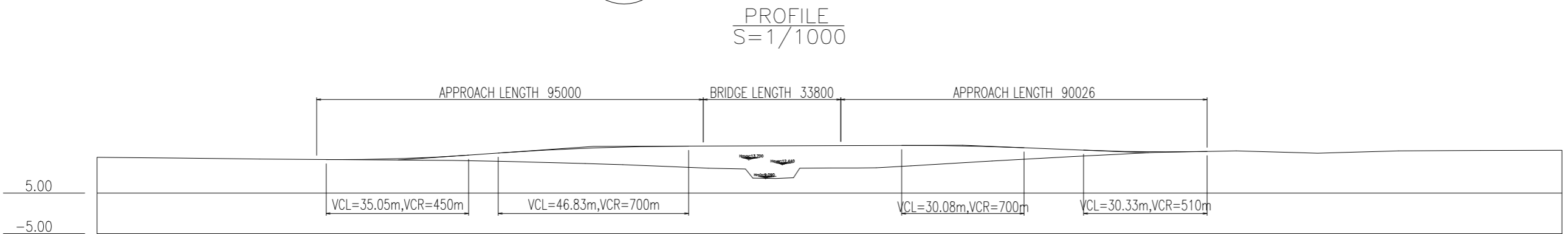
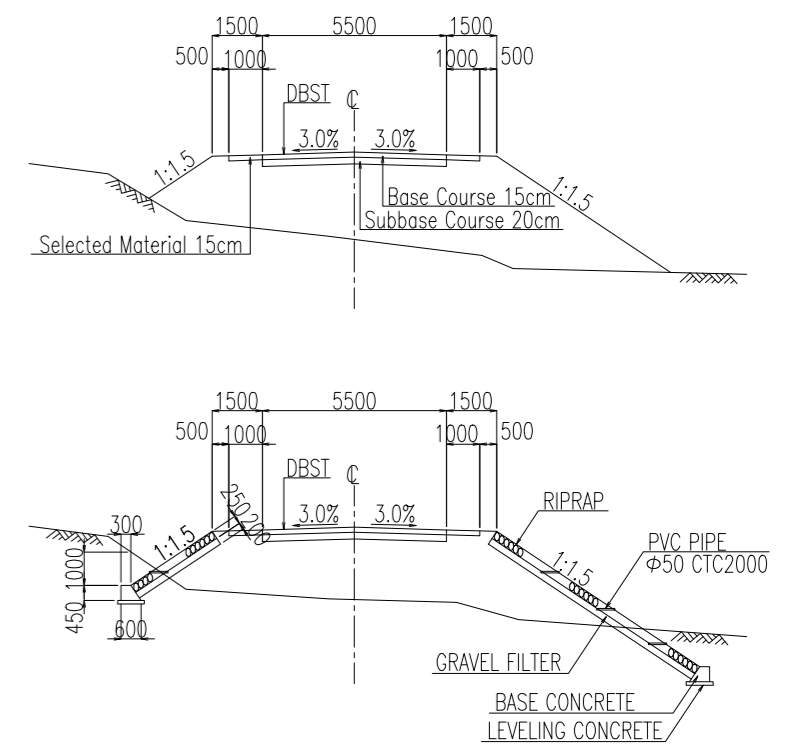
THE GOVERNMENT OF SOCIALIST REPUBLIC OF VIETNAM PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS			
PROJECT THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL AREA OF VIETNAM			
CONSULTANT CONSORTIUM OF PACIFIC CONSULTANTS INTERNATIONAL AND ORIENTAL CONSULTANTS			
DESIGNED BY	CHECKED BY	APPROVED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