3-2-3 基本設計図

本文の最後に基本設計図を添付する。基本設計図は取付け道路を含む全体図と橋梁部分に特化した橋梁全体一般図の 2 枚から構成される。

THE SOCIALIST REPUBLIC OF VIETNAM
PROJECTS MANAGEMENT UNIT NO.78, MINISTRY OF TRANSPORTS

PROJECT	THE PROJECT FOR RECONSTRUCTION OF BRIDGES IN THE CENTRAL DISTRICT (PHASE 1)		
CONSULTANT			
	DESIGNED BY	CHECKED BY	APPROVED BY
NAME			
SIGNATURE			
DATE			

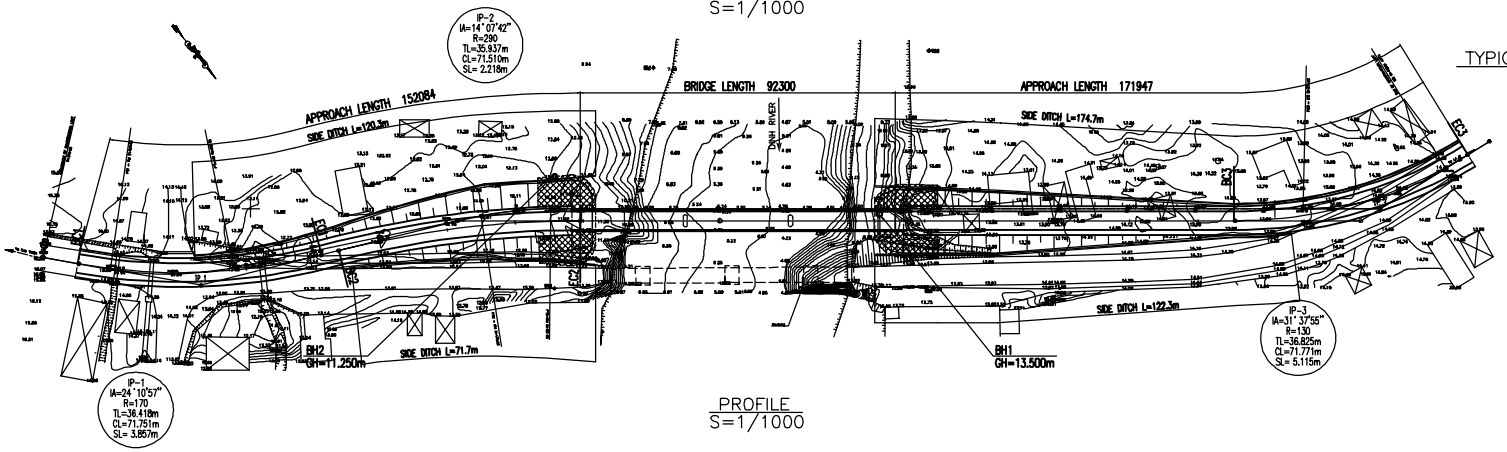
SCALE	DRAWING NO.	SHEET NO.
1/1000 A3/1000	D-1	1 OF 1

ROAD PLANNING
(BRIDGE NO.36 DA DUNG BRIDGE)

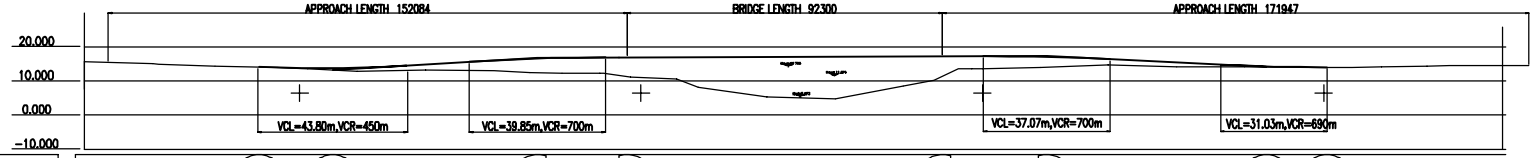
ISSUED	DATE	DESCRIPTION	DESIGNER

BR.NO.36 DA DUNG BRIDGE
GENERAL VIEW OF THE SITE

PLAN
S=1/1000

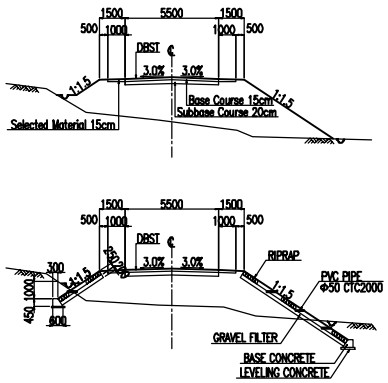


PROFILE
S=1/1000

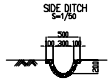


GRADE		14.044	13.226	i=6.000% L=59.924m	16.821	i=0.300% L=26.406m	16.900	i=0.300% L=92.300m	17.177	i=0.300% L=30.594m	17.269	i=5.000% L=64.369m	14.051	13.967	
PROPOSED HEIGHT	15.590	15.000	14.940	14.380	14.044	13.670	13.796	13.735	13.759	13.899	14.859	16.022	16.465	16.537	16.729	16.745	16.874	16.879	16.900	16.903	16.943	16.963	17.023	17.083	17.143	17.177	17.177	17.191	17.212	17.068	17.023	16.369	15.369	14.430	14.226	13.989	13.967	13.980	14.080	14.370	14.400	14.420
GROUND HEIGHT	15.59	15.00	14.94	14.38		13.89	13.79	13.63		12.82	13.14	12.96	12.51	12.23	12.32	12.21	12.33	11.17	10.57	8.01	5.24	4.76	8.50	10.11	13.57	13.57	13.55	13.90	14.69	14.10	14.09		13.96	13.98	14.08	14.37	14.40	14.42
STATION	0.000.00	0+020.00	0+021.76	0+038.23	0+050.876	0+056.46	0+060.00	0+065.50	0+072.776	0+080.00	0+100.00	0+120.00	0+130.52	0+132.700	0+140.00	0+140.80	0+151.08	0+152.06	0+159.105	0+160.00	0+173.55	0+180.00	0+200.00	0+220.00	0+240.00	0+249.400	0+256.00	0+260.00	0+263.10	0+280.00	0+282.000	0+300.00	0+320.00	0+340.00	0+346.369	0+360.00	0+364.064	0+371.35	0+380.00	0+393.43	0+400.00	0+415.51

TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



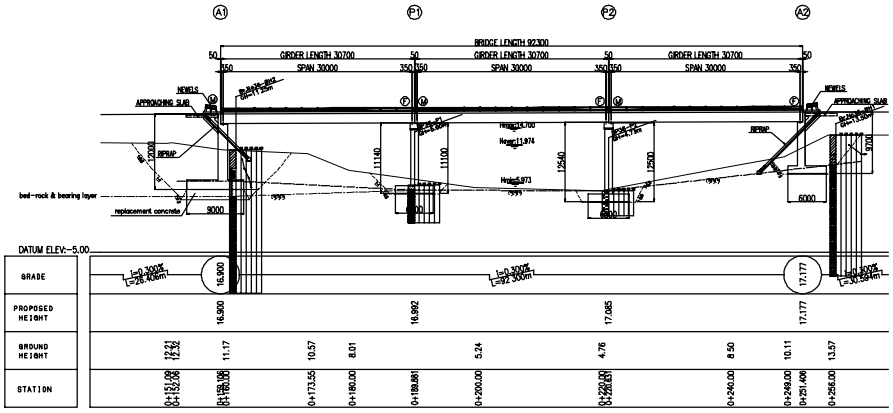
SIDE DITCH
S=1/50



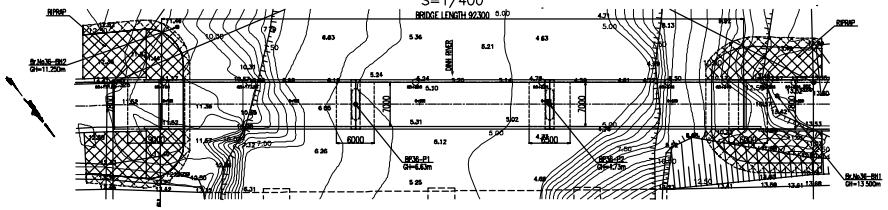
D-17 (W:No.36)

BR.NO.36 DA DUNG BRIDGE
GENERAL VIEW OF THE BRIDGE

PROFILE
S=1/400

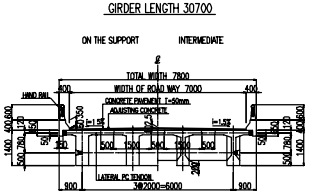


PLAN
S=1/400



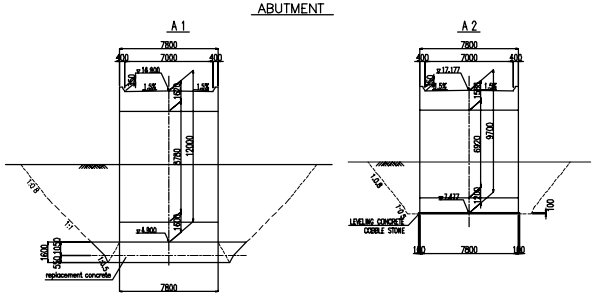
CROSS SECTION
S=1/100

GIRDER LENGTH 30700

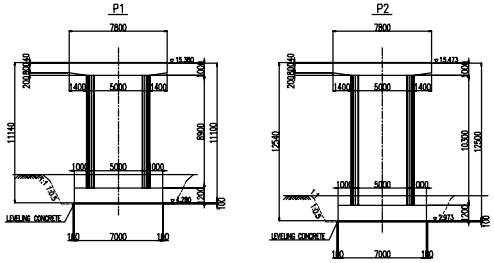


FRONT VIEW
S=1/200

ABUTMENT



PIER



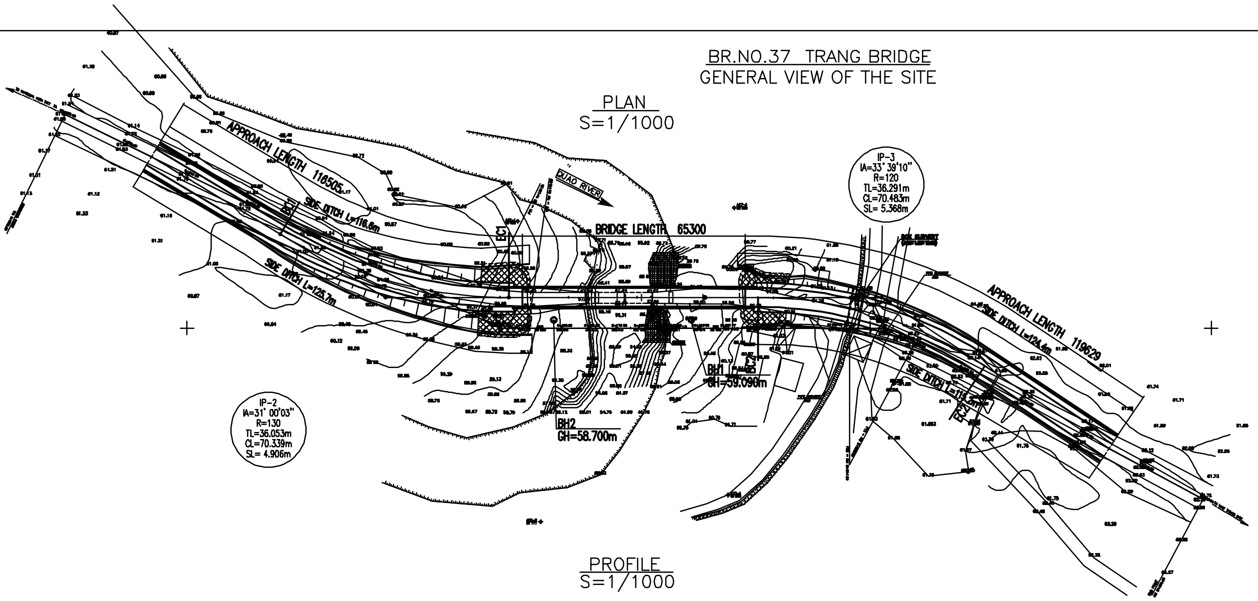
DESIGN CRITERIA

General Condition		
Design Live Load		H13,X60
Design Speed		V=40km/h
Bridge Length(Open Length)		92.30m(30.00m+30.00m+30.00m)
Freeboard		0.5m
Longitudinal Gradient		5.30 %
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
		A2:Spread foundation
	Pier	P1:Spread foundation
		P2:Spread foundation
Material Strength		
Super Structure Type	Girder	≥ 28~35N/mm²
	Cross Beam	≥ 28~30N/mm²
	Slab	≥ 28~30N/mm²
Surface	Curb,Handrail	≥ 28~21N/mm²
Sub Structure Type		≥ 28~21N/mm²
Reinforcing Steel		SD295(σy=295N/mm²)

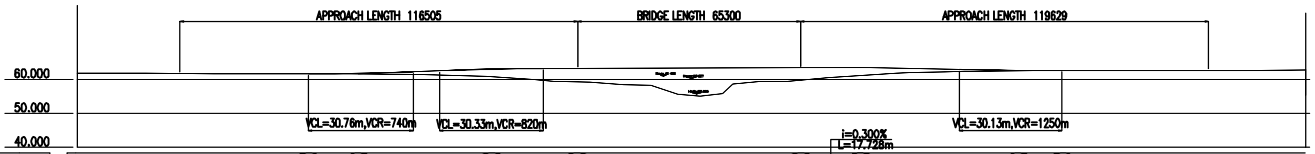
THE SOCIALIST REPUBLIC OF VIETNAM
PROJECTS MANAGEMENT UNIT NO.18, MINISTRY OF TRANSPORTS

BR.NO.37 TRANG BRIDGE
GENERAL VIEW OF THE SITE

PLAN
S=1/1000



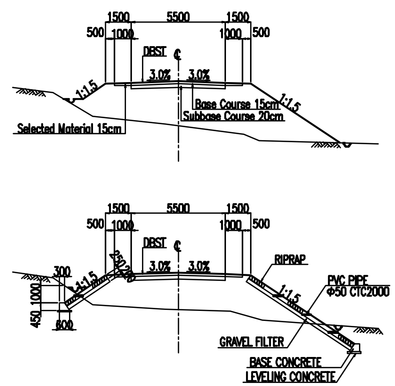
PROFILE
S=1/1000



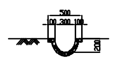
GRADE: 61.646 | 61.619 | i=4.000% L=38.888m | 63.174 | i=0.300% L=25.272m | 63.250 | i=0.300% L=65.300m | 63.446 | 63.499 | i=2.000% L=46.276m | 62.573 | 62.624

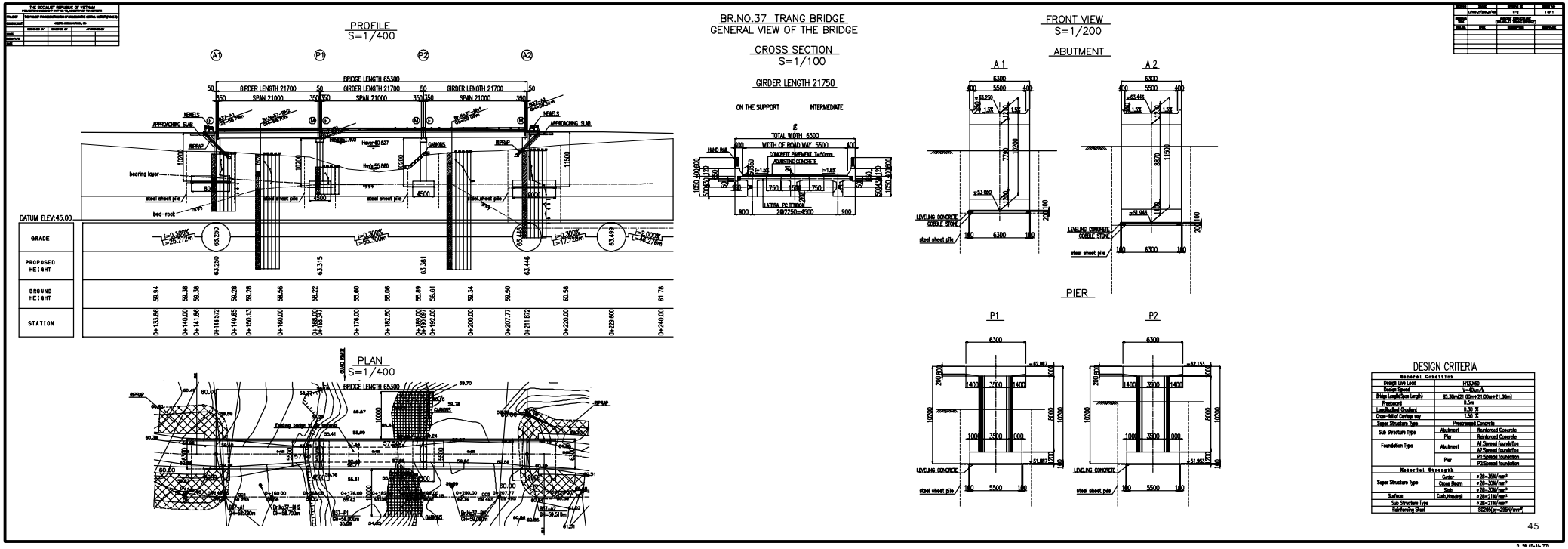
STATION	PROPOSED HEIGHT	GROUND HEIGHT
0+000.00	61.880	61.88
0+020.00	61.810	61.81
0+040.00	61.720	61.72
0+060.00	61.650	61.65
0+067.653	61.646	
0+080.00	61.738	61.64
0+082.412	61.780	
0+100.00	62.322	61.42
0+120.00	63.005	60.95
0+121.300	63.034	
0+133.86	63.208	59.94
0+140.00	63.230	59.38
0+141.86	63.236	59.38
0+146.572	63.250	
0+149.85	63.260	59.28
0+150.13	63.261	59.28
0+160.00	63.290	58.56
0+168.00	63.309	58.22
0+176.00	63.314	55.60
0+182.50	63.338	55.06
0+189.00	63.377	55.89
0+192.00	63.386	58.61
0+200.00	63.410	59.34
0+207.77	63.434	59.50
0+211.872	63.446	
0+220.00	63.470	60.58
0+229.600	63.499	
0+240.00	63.291	61.78
0+244.29	63.205	62.02
0+254.14	63.008	62.28
0+260.00	62.891	62.35
0+263.99	62.815	62.42
0+275.876	62.664	
0+280.00	62.637	62.62
0+288.530	62.624	
0+300.00	62.630	62.63
0+320.00	62.690	62.69
0+340.00	62.680	62.68
0+360.00	62.730	62.73

TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



SIDE DITCH
S=1/50

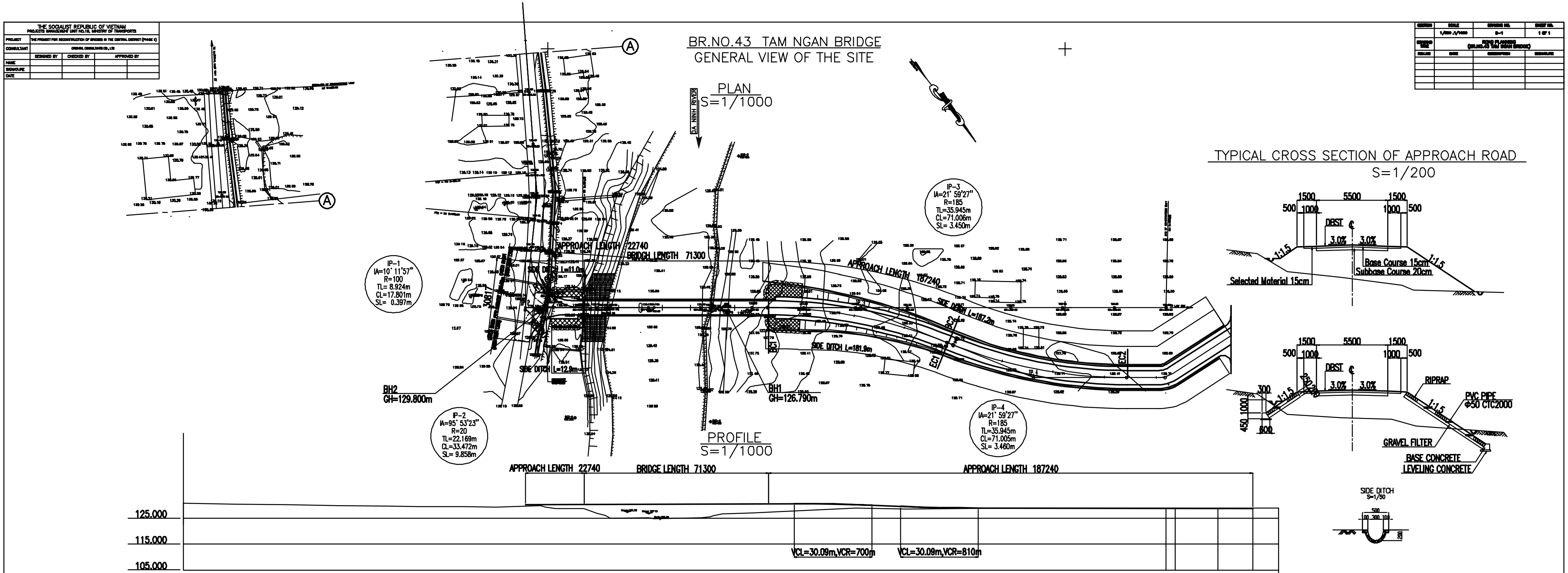




DESIGN CRITERIA

General Condition		
Design Live Load		H13,X60
Design Speed		V=40km/h
Bridge Length(Span length)		65.30m(21.80m+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:Spread foundation A2:Spread foundation
	Pier	P1:Spread foundation P2: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(σy=295N/mm²)

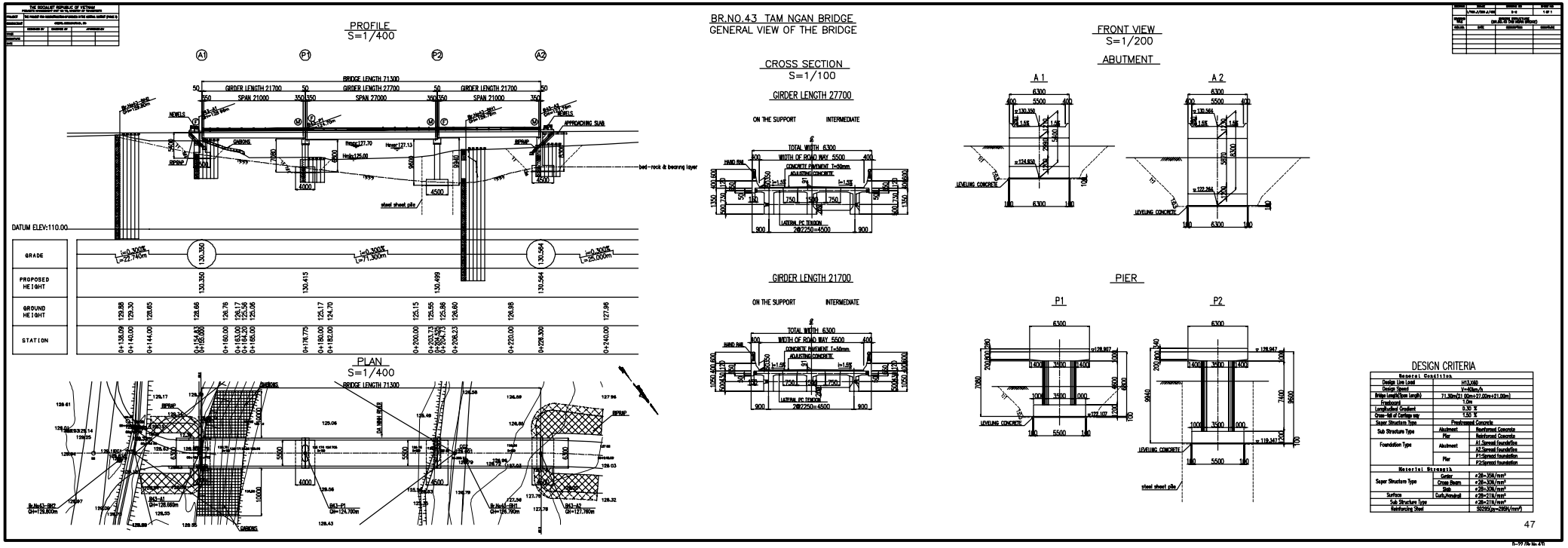
BR.NO.43 TAM NGAN BRIDGE
GENERAL VIEW OF THE SITE



GRADE

Grade point / segment
130.282
i=0.300%, L=22.740m
130.350
i=0.300%, L=71.300m
130.564
i=0.300%, L=25.000m
130.639
i=4.000%, L=41.420m
128.982
i=0.300%, L=90.757m
128.810

STATION	PROPOSED HEIGHT	GROUND HEIGHT
0+000.00	130.710	130.71
0+020.00	130.420	130.42
0+040.00	130.230	130.23
0+060.00	129.880	129.88
0+080.00	129.670	129.67
0+091.10	129.550	129.55
0+100.00	129.430	129.43
0+108.90	129.420	129.42
0+120.00	129.360	129.36
0+121.36	129.350	129.35
0+132.260	130.282	
0+138.09	13.0299	129.88
0+140.00	130.305	129.30
0+144.00	130.317	128.65
0+154.83	130.349	128.66
0+155.000	130.350	
0+160.00	130.365	126.76
0+163.00	130.374	126.17
0+164.20	130.378	125.56
0+165.00	130.380	125.06
0+180.00	130.425	125.17
0+182.00	130.431	124.70
0+200.00	130.485	125.15
0+203.73	130.496	[illegible]
0+204.73	130.499	125.86
0+208.23	130.510	126.60
0+220.00	130.545	126.98
0+226.300	130.564	
0+240.00	130.595	127.96
0+251.300	130.477	
0+260.00	130.262	128.99
0+280.00	129.494	128.50
0+292.720	129.121	
0+300.00	128.997	128.77
0+320.00	128.900	128.83
0+340.00	128.840	128.93
0+360.00	128.780	128.91
0+380.00	128.720	128.89
0+383.477	128.710	
0+400.00	128.710	128.89
0+413.54	128.710	128.89

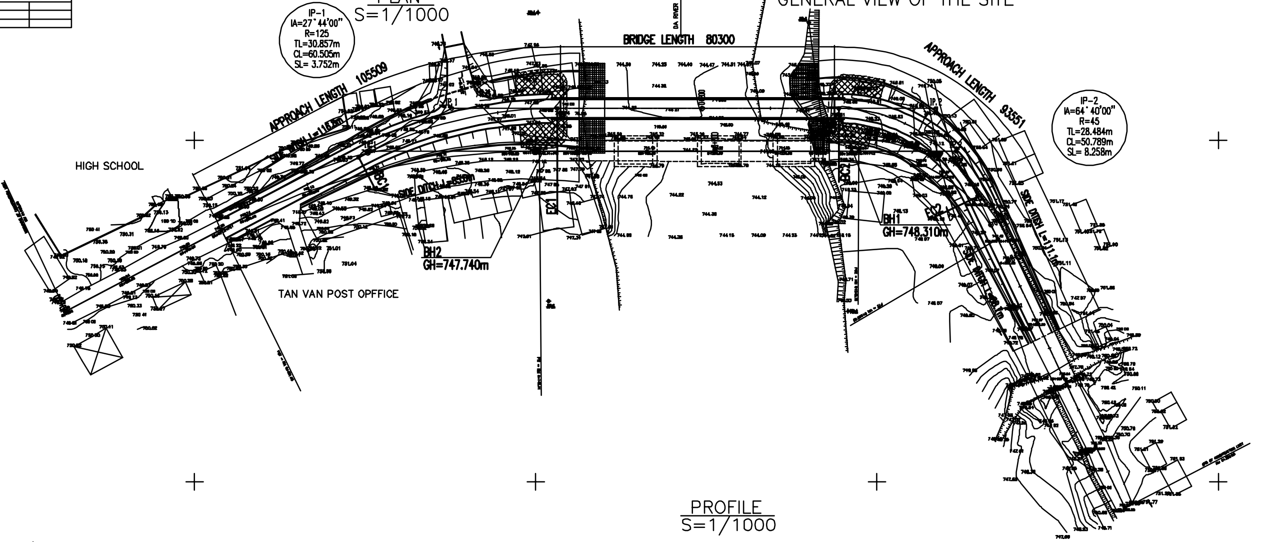


DESIGN CRITERIA

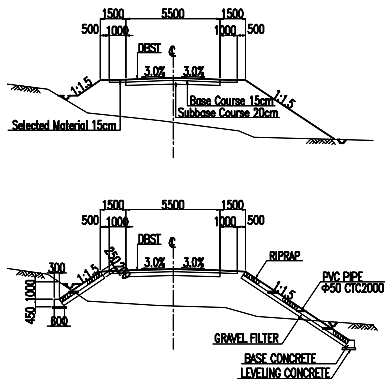
General Condition		
Design Live Load		H13,X60
Design Speed		V=40km/h
Bridge Length(Sum Length)		71.30m(21.00m+27.00m+21.00m)
Freeboard		1.0m
Longitudinal Gradient		5.30 %
Cross-fall of Carriage way		1.50 %
Super Structure Type		Prestressed Concrete
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Abutment	A1:Spread foundation A2:Spread foundation
	Pier	P1:Spread foundation P2: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(σy=295N/mm²)

BR.NO.46 TAN VAN BRIDGE
GENERAL VIEW OF THE SITE

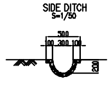
PLAN
S=1/1000



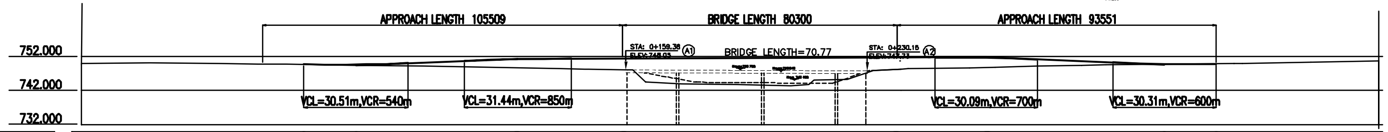
TYPICAL CROSS SECTION OF APPROACH ROAD
S=1/200



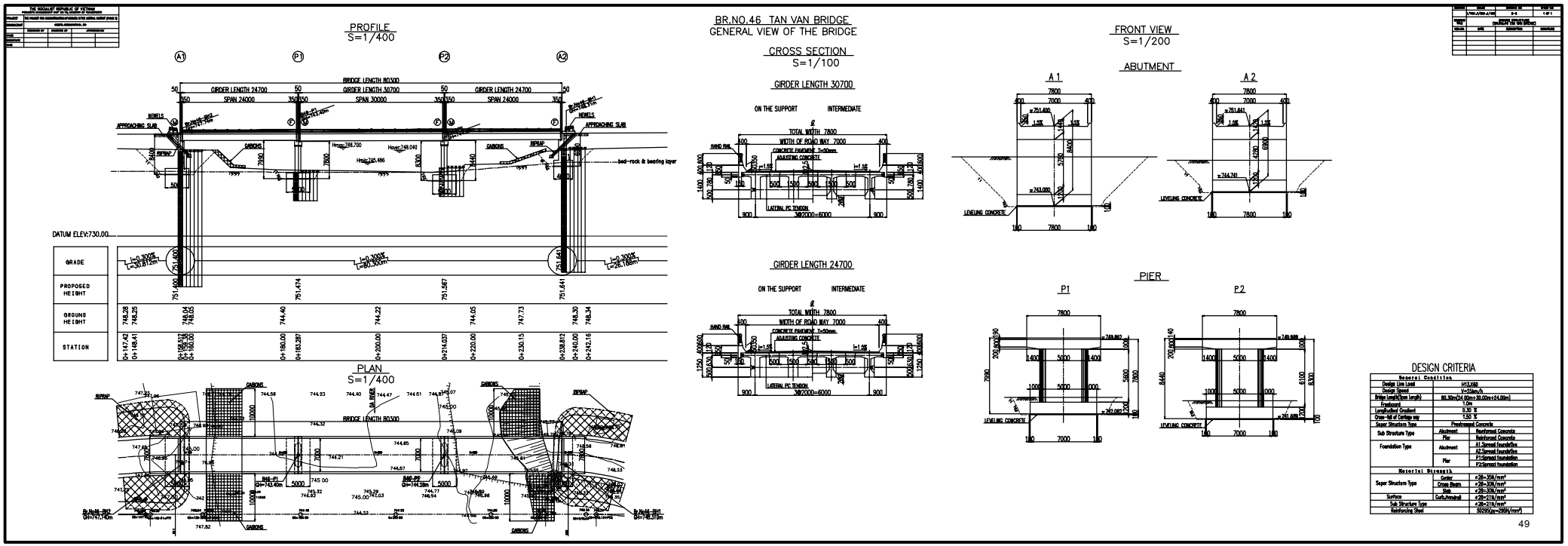
SIDE DITCH
S=1/50



PROFILE
S=1/1000



STATION	GRADE	PROPOSED HEIGHT	GROUND HEIGHT
0+000.00		750.000	750.00
0+020.00		750.040	750.04
0+040.00		749.890	749.89
0+051.60		749.820	749.82
0+060.00		749.740	749.74
0+065.085	749.661	749.661	
0+080.00		749.624	749.43
0+080.350	749.414	749.628	
	i=4.000% L=47.350m		
0+100.00		750.200	749.14
0+120.00		750.962	748.71
0+127.700	751.308	751.163	
	i=0.300% L=30.812m		
0+140.00		751.338	748.36
0+147.42		751.367	748.28
0+148.41		751.370	748.25
0+158.512	751.400	751.400	
0+159.38		751.403	748.04
0+160.00		751.404	748.05
	i=0.300% L=80.300m		
0+180.00		751.464	744.40
0+200.00		751.525	744.22
0+220.00		751.585	744.05
0+230.15		751.615	747.73
0+238.812	751.641	751.641	
0+240.00		751.645	748.30
0+242.16		751.651	748.34
	i=0.300% L=26.188m		
0+260.00		751.633	748.70
0+265.000	751.720	751.558	
0+267.55		751.506	748.87
0+280.00		751.120	749.14
	i=4.000% L=52.164m		
0+292.95		751.602	749.43
0+300.00		750.320	749.49
0+317.164	749.633	749.824	
0+320.00		749.788	749.67
0+332.363	749.790	749.790	
0+337.50		749.840	749.84
0+340.00		749.940	749.94
0+360.00		750.280	750.28
0+380.00		750.630	750.63



DESIGN CRITERIA

General Conditions		
Design Live Load		H13,X60
Design Speed		V=30km/h
Bridge Length(Span length)		80.50m(24.00m+30.00m+24.00m)
Freeboard		1.0m
Longitudinal Gradient		5.30 %
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
		A2:Spread foundation
	Pier	P1:Spread foundation
		P2: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(σy=295N/mm²)