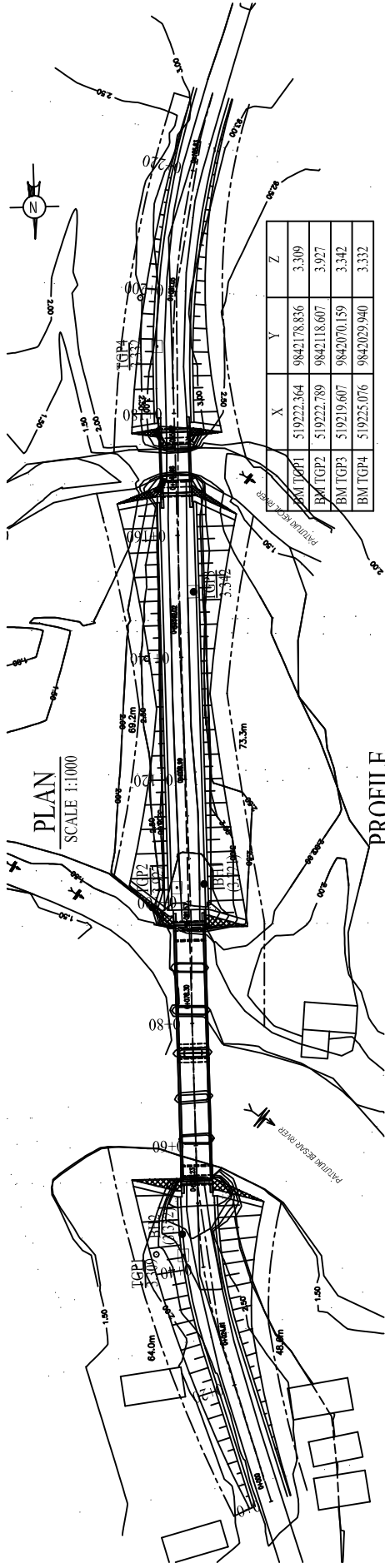


SECTION	SCALE	DRAWING NO.	SHEET NO.
DRAWING TITLE		BR. NO. S26, S27 PATUKUKI I, II	24 OF 29
GENERAL VIEW OF THE SITE			

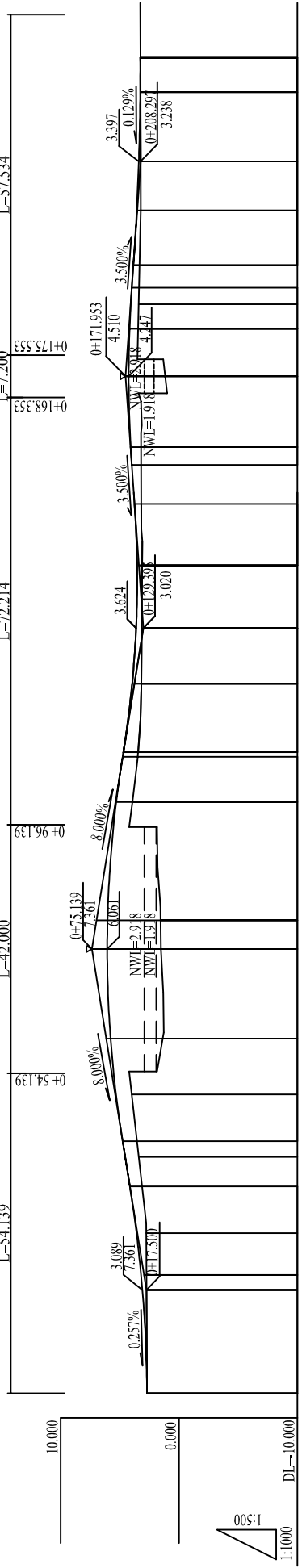
BR. NO. S26, S27 PATUKUKI I, II GENERAL VIEW OF THE SITE



	X	Y	Z
BM TGP1	519222.364	9842178.836	3.309
BM TGP2	519222.789	9842118.607	3.927
BM TGP3	519219.607	9842070.159	3.342
BM TGP4	519225.076	9842029.940	3.332

PROFILE

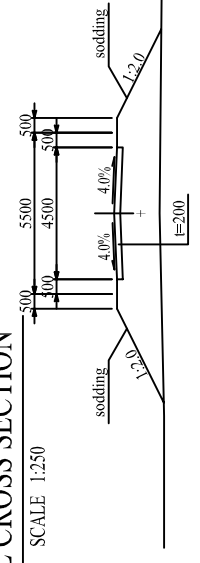
SCALE V=1:500
H=1:1000



GROUND HEIGHT	STATION
2.705	0.000
2.748	2.754
2.704	2.773
12.896	3.406
10.539	3.998
9.461	1.373
15.139	1.527
4.861	1.559
20.000	3.930
20.000	3.176
9.395	3.148
10.605	3.117
20.000	3.205
11.953	1.164
8.047	3.459
4.133	3.411
15.867	3.228
8.297	3.238
11.703	3.253
5.797	3.261
7.290	3.270

TYPICAL CROSS SECTION

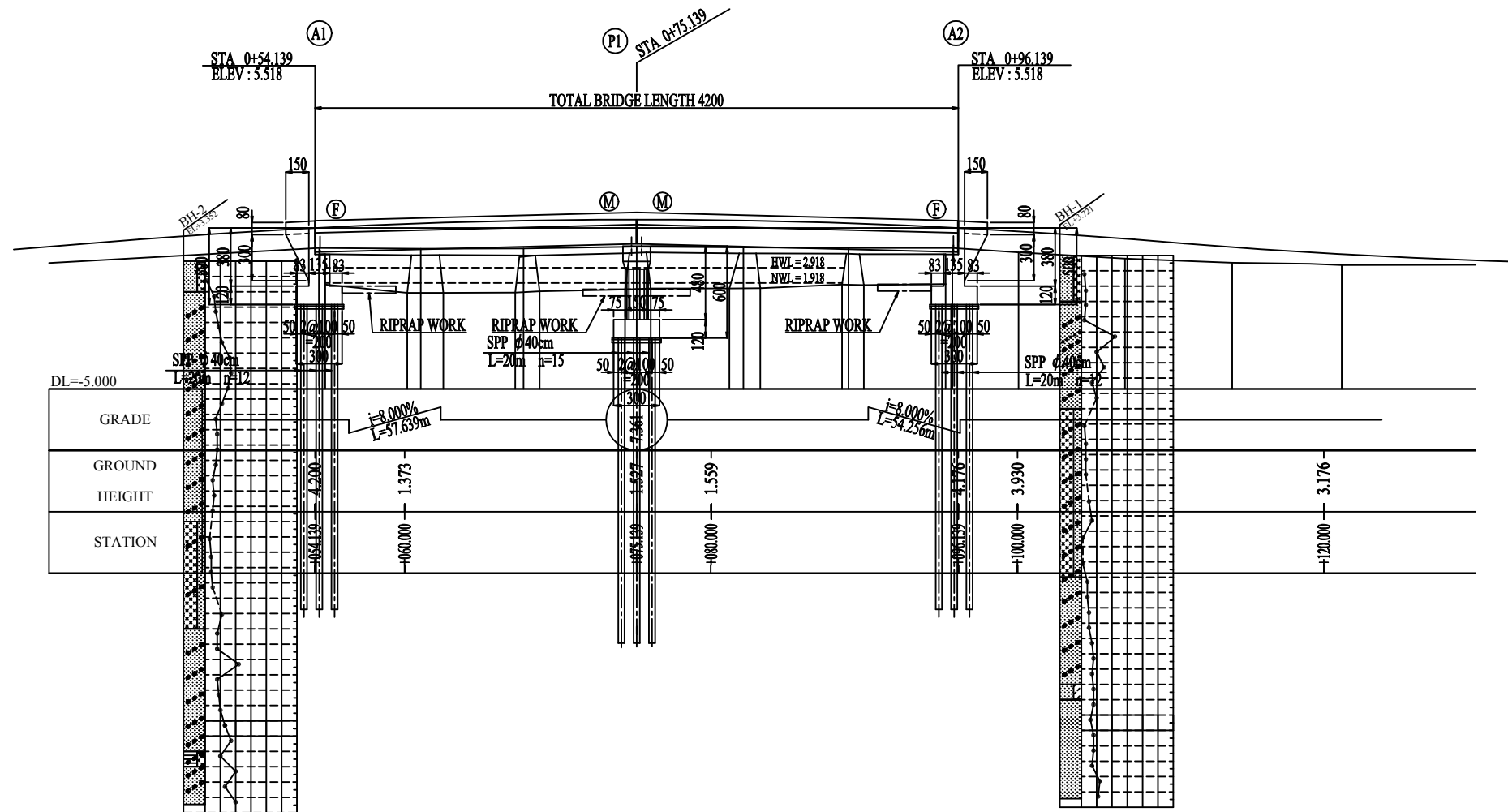
SCALE 1:250



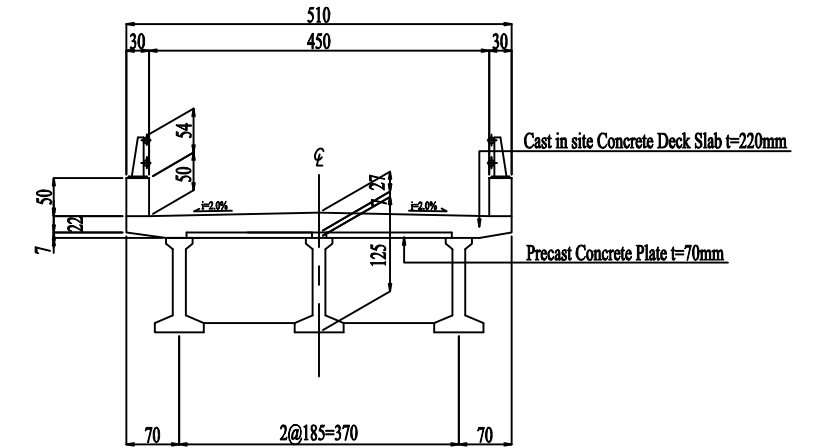
SECTION	SCALE	DRAWING NO.	SHEET NO.
	1/100, 1/400		25 OF 29
DRAWING TITLE	BR.NO.S26 PATUKUKI I GENERAL VIEW OF THE BRIDGE		

BR.NO.S26 PATUKUKI I GENERAL VIEW OF THE BRIDGE

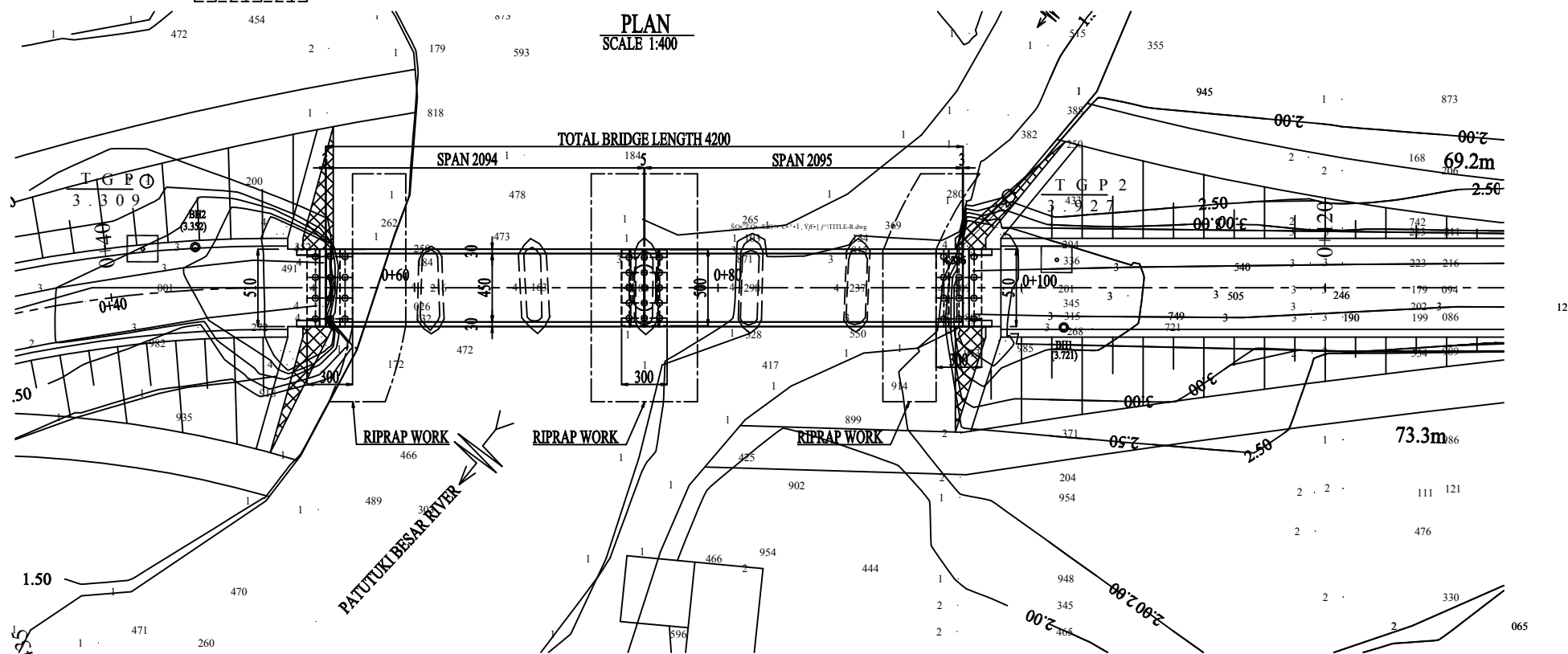
PROFILE
SCALE 1:400



CROSS SECTION FOR PC GIRDER
SCALE 1:100



PLAN
SCALE 1:400



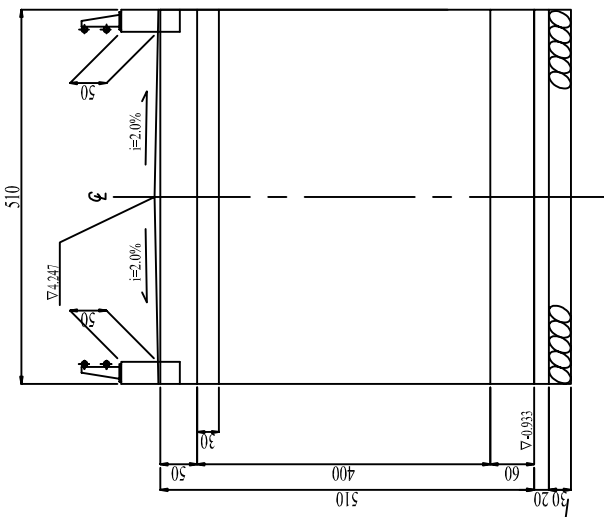
DESIGN CRITERIA

General Condition		
Design Live Load	"D" Lane Load	
Design Speed	V=40km/h	
Bridge Length(Span Length)	42.00m(2@20.34m)	
Longitudinal Gradient	8.0%, -8.0%	
Cross-fall of Carriage way	2.00%	
Super Structure Type	Prestressed Concrete	
Sub Structure Type	Reinforced Concrete	
Foundation Type	Steel Pipe Pile $\phi 40\text{cm}$	
Material Strength		
Super Structure Type	Girder	$\sigma 28=34.6\text{N/mm}^2$
	Cross Beam	$\sigma 28=29\text{N/mm}^2$
	Slab	$\sigma 28=29\text{N/mm}^2$
Surface	Curb, Handrail	$\sigma 28=21\text{N/mm}^2$
Sub Structure Type	$\sigma 28=21\text{N/mm}^2$	
Reinforcing Steel	SD235($p_y=235\text{N/mm}^2$)	

SECTION	SCALE	DRAWING NO.	SHEET NO.
DRAWING TITLE	1:100/1:200	BR.NO.S27 PATUKUKI II	26 OF 29
GENERAL VIEW OF THE BOX CULVERT			

BR.NO.S27 PATUKUKI II
GENERAL VIEW OF THE BOX CULVERT

SECTION A-A
SCALE 1:100



DESIGN CRITERIA

Design Live Load	"D" Lane Load
Design Speed	$V=60$ km/h
Culvert Length	7.2m
Longitudinal Gradient	$3.5\% \pm 0.5\%$
Cross-fall of Carriage way	2.00%
Sub Structure Type	Reinforced Concrete
Foundation Type	Direct Foundation
Surface	Material: Strength
Sub Structure Type	Curb: Hambrail
Reinforcing Steel	$\sigma_s = 210 \text{ N/mm}^2$
	$\sigma_c = 210 \text{ N/mm}^2$
	SD235 (p.e=235N/mm ²)

