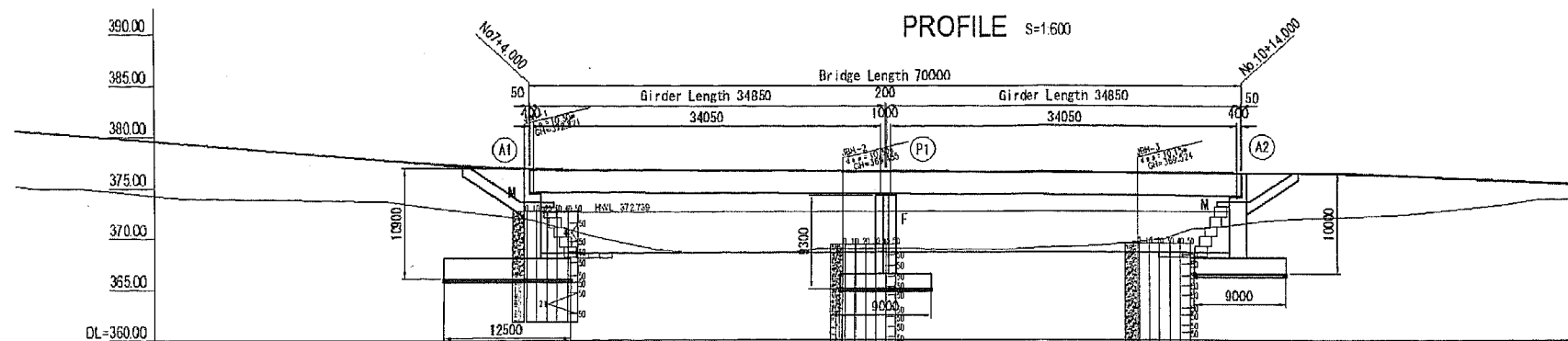
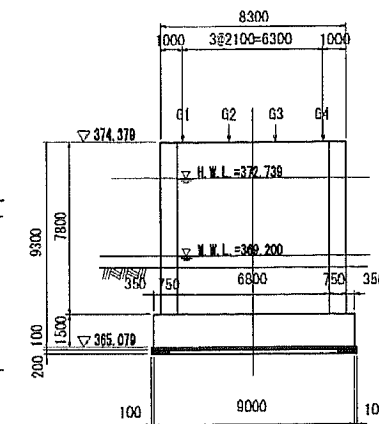


GENERAL DRAWING (No.18 Jigmiling Bridge)

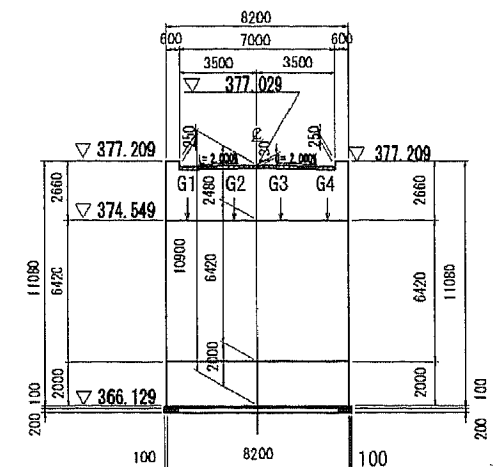


Gradient	381.785	376.985	377.171	377.029	376.871	376.762	376.757	376.643	376.563	376.504	376.402	375.230
Proposed Height	379.35	373.89	372.50	372.03	368.67	369.02	369.02	369.38	371.21	372.05	372.23	375.07
Ground height	20.000	20.000	4.000	16.000	19.000	1.000	20.000	14.000	6.000	5.000	13.780	
Distance	NO.4	NO.6	NO.7	NO.8	NO.9	NO.10	NO.11	NO.12				
Station	NO.4	NO.6	NO.7	NO.8	NO.9	NO.10	NO.11	NO.12				
Superelevation	0.00%	5.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

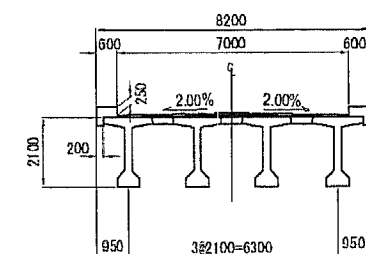
P1-PIER S=1:300



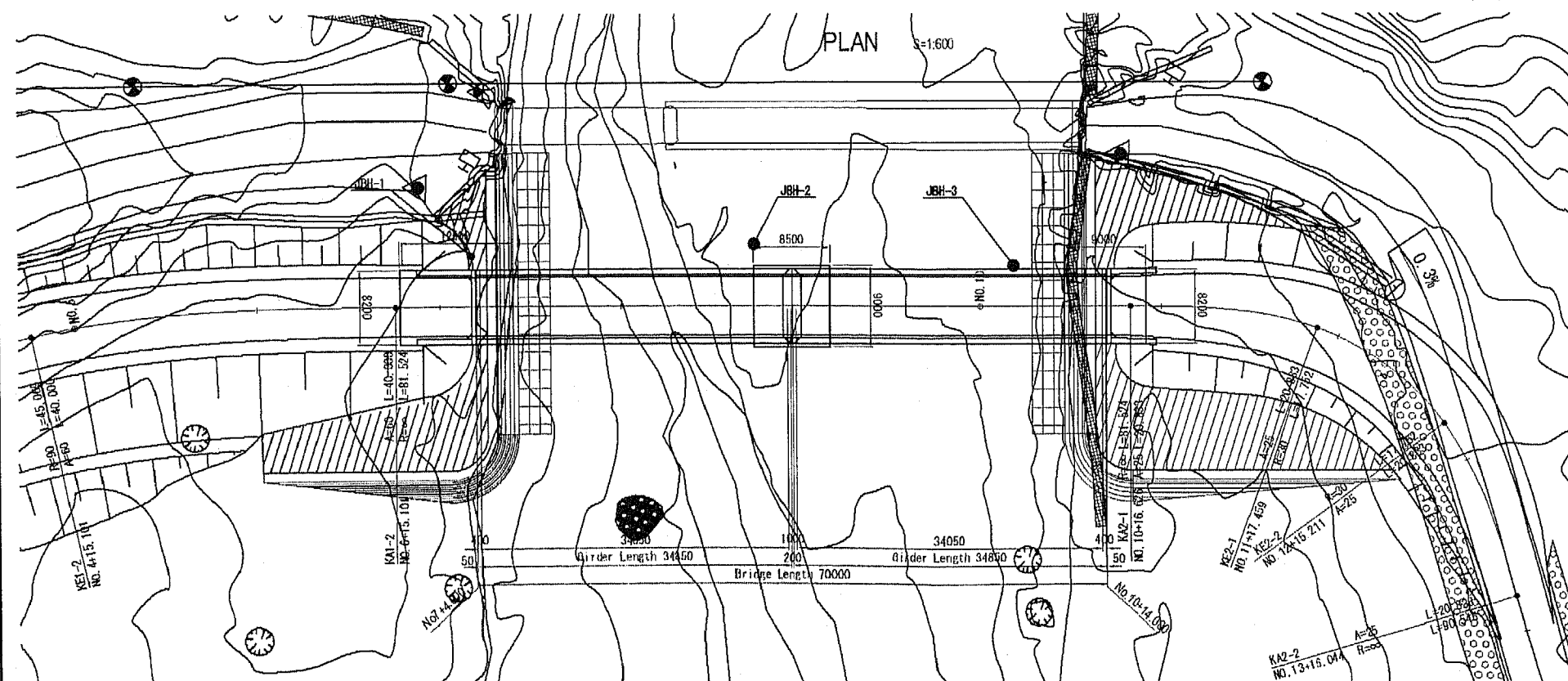
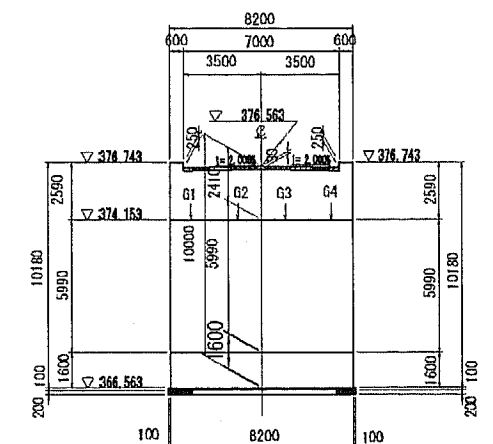
A1-ABUT S=1:300



CROSS SECTION S=1:200



A2-ABUT S=1:300



The Terms Of Design

Bridge Length	70.000m
Span Length	34.045m
Road Width	7.000m
Live Load	Single lane IRC 70R(wheeled) or Double lane IRC Class A
Design Seismic Scale	KH=0.22 KV=0.00
Super structure	Form PC T-Shape Girder
Material strength	Concrete $\sigma_{ck}=30\text{ N/mm}^2$ Reinforcing Bar SD295 Equivalent Tendon 12S12.7mm
Sub structure	Form Inverted T-Type Abutment Wall Type Pier
Material strength	Foundation Spread Foundation Concrete $\sigma_{ck}=21\text{ N/mm}^2$ Reinforcing Bar SD295 Equivalent

MINISTRY OF WORKS AND HUMAN SETTLEMENT
DEPARTMENT OF ROADS

RESTORATION AND IMPROVEMENT OF VITAL INFRASTRUCTURES
FOR CYCLONE DISASTER
IN THE KINGDOM OF BHUTAN

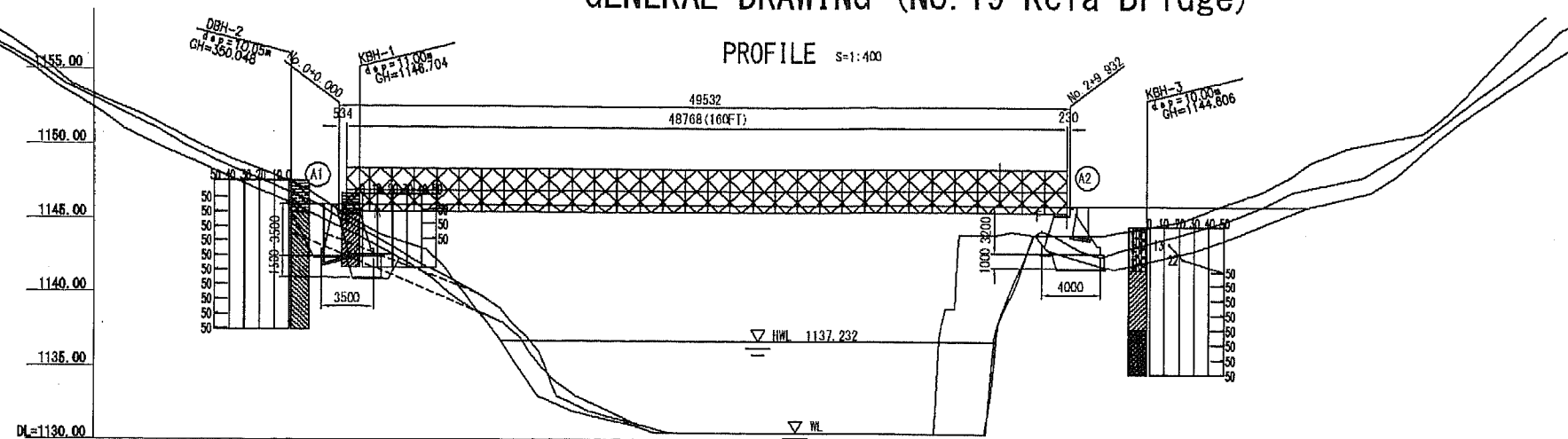
JAPAN INTERNATIONAL
COOPERATION AGENCY (JICA)

TITLE
GENERAL DRAWING (No.18 Jigmiling Bridge)

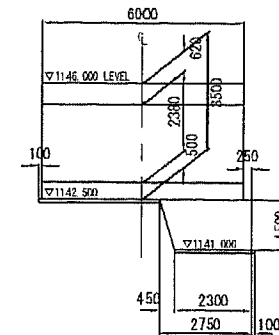
SCALE
DATE
DRAWING NO.
Ji 3

GENERAL DRAWING (No.19 Kela Bridge)

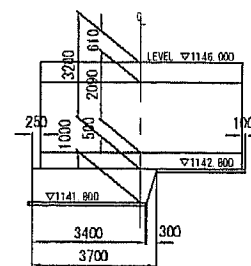
PROFILE S=1:400



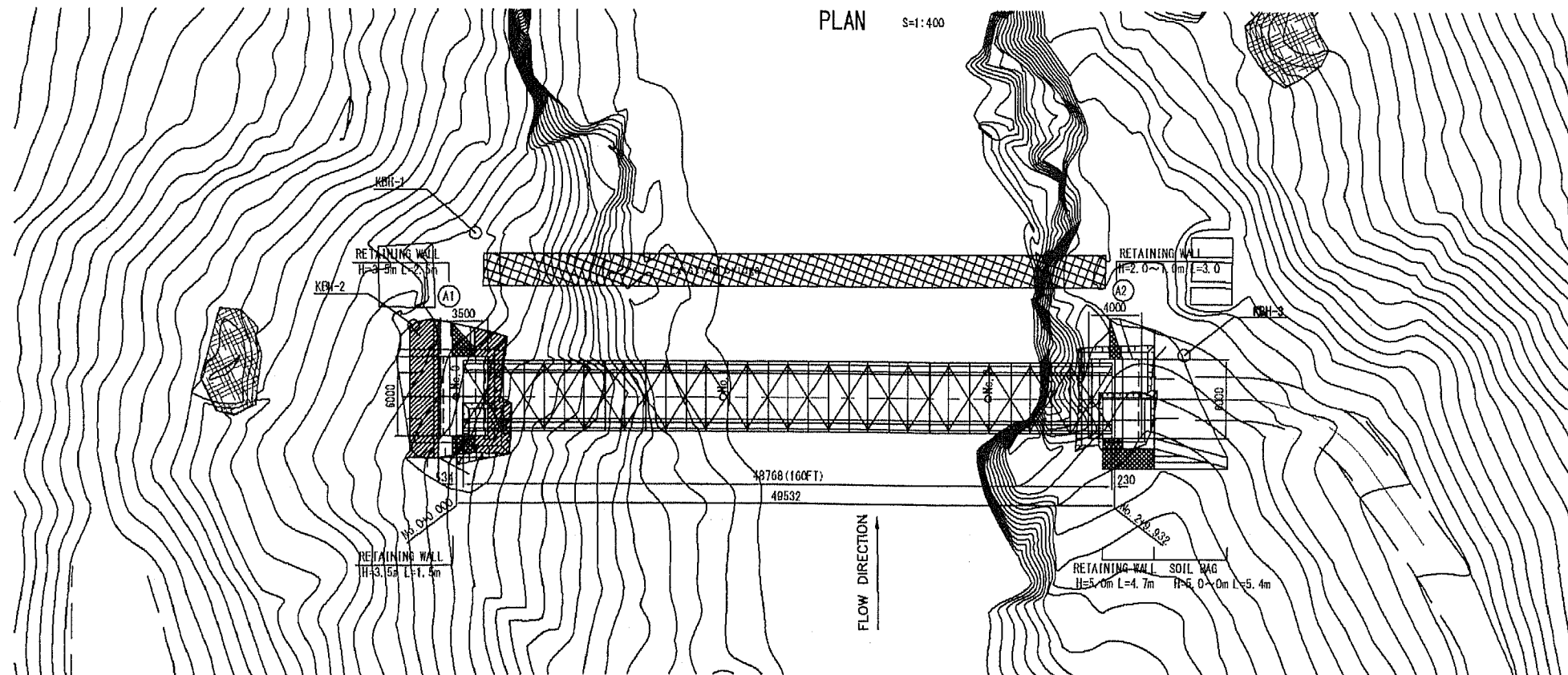
A1-ABUT S=1:200



A2-ABUT S=1:200



PLAN S=1:400



The Terms Of Design

Bridge Length		48.532m
Span Length		48.768m (160FT)
Road Width		3.277m
Live Load		IRC 24R
Design Seismic Scale		KH=0.22 KY=0.00
Super structure	Form	Ballay Type Steel Truss Bridge (Double Double Reinforced)
	Structure	Gravity Type Abutment
Sub structure	Foundation	Spread Foundation
	Material strength	Concrete $\sigma_{ck}=18 \text{ N/mm}^2$ Reinforcing Bar SD295 Equivalent

MINISTRY OF WORKS AND HUMAN SETTLEMENT
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RESTORATION AND IMPROVEMENT OF VITAL INFRASTRUCTURES
FOR CYCLONE DISASTER
IN THE KINGDOM OF BHUTAN

JAPAN INTERNATIONAL
COOPERATION AGENCY (JICA)

TITLE
GENERAL DRAWING (No.19 Kela Bridge)

SCALE
DATE
DRAWING NO.
Ke 3