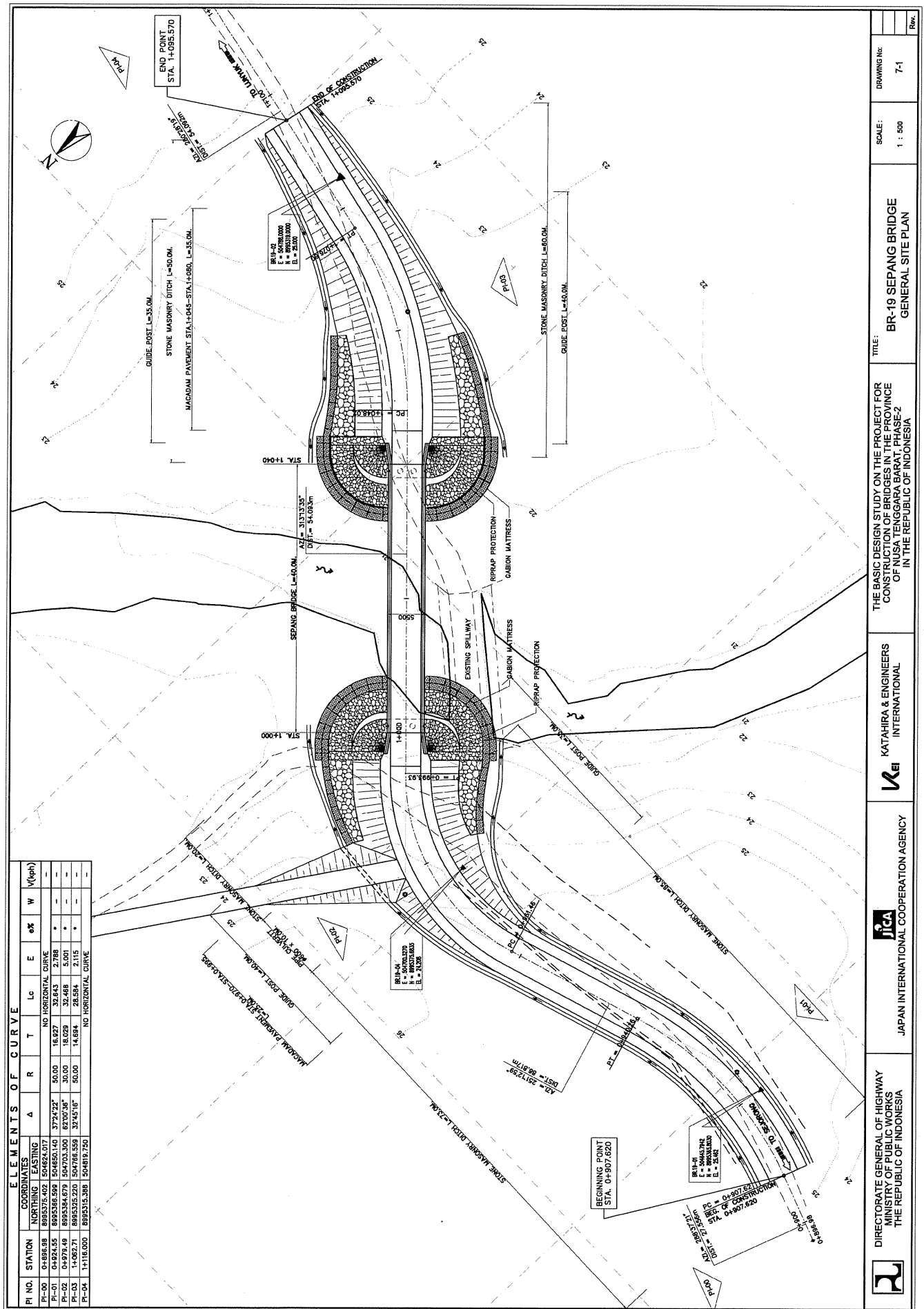
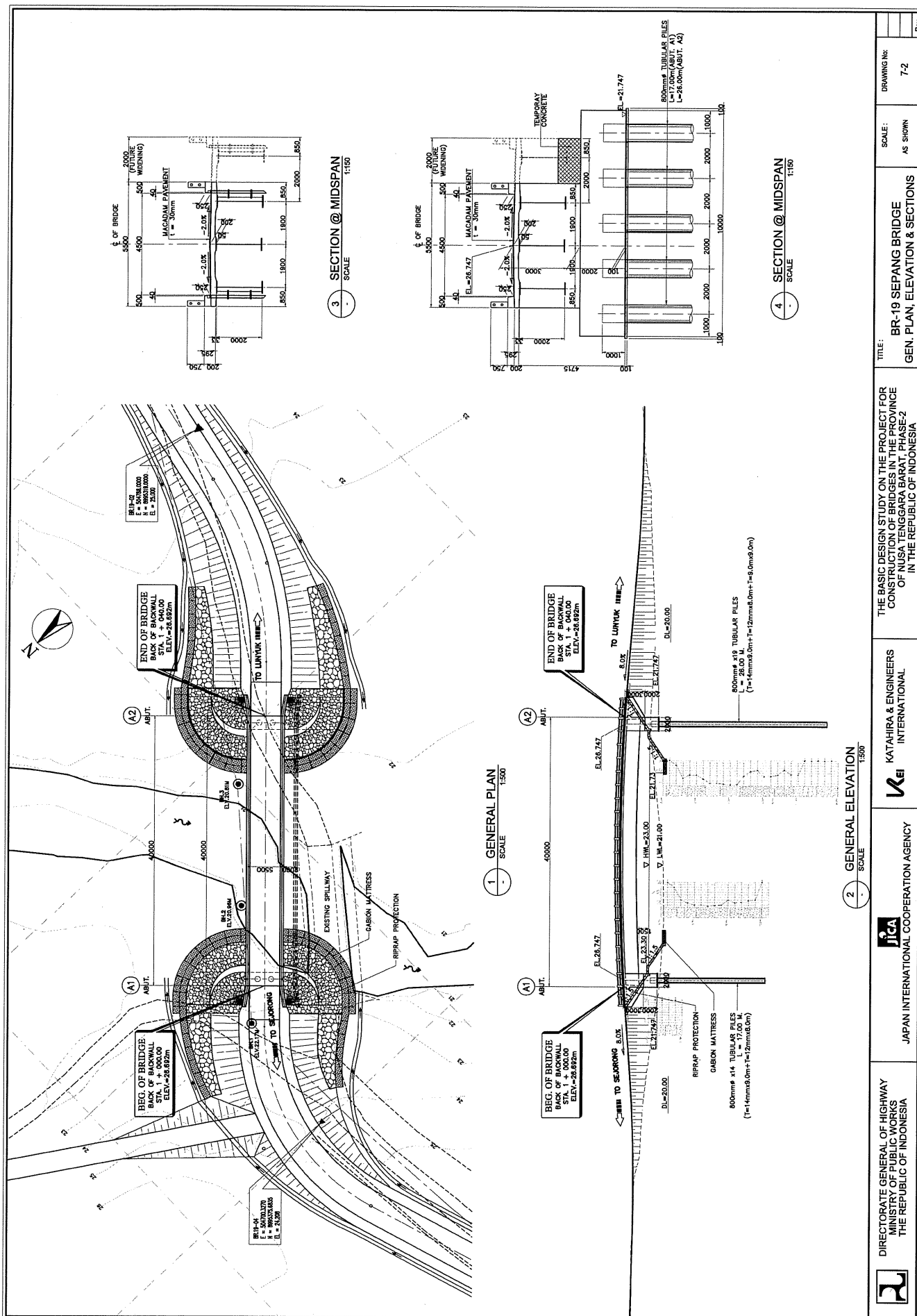
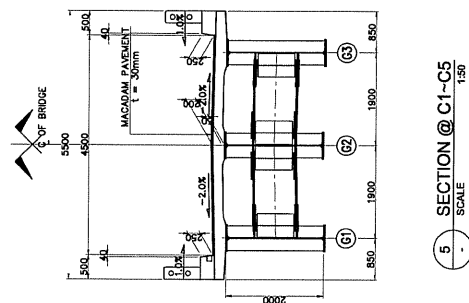
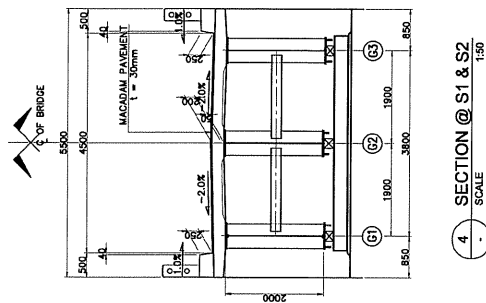
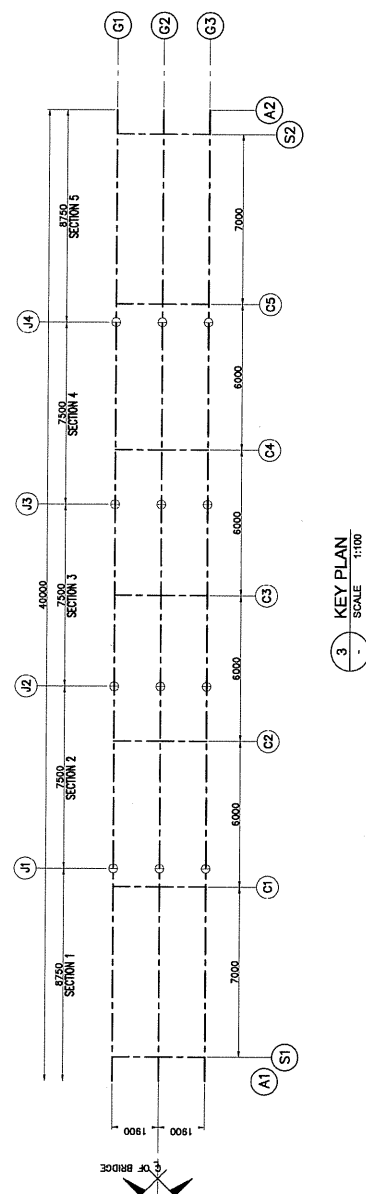
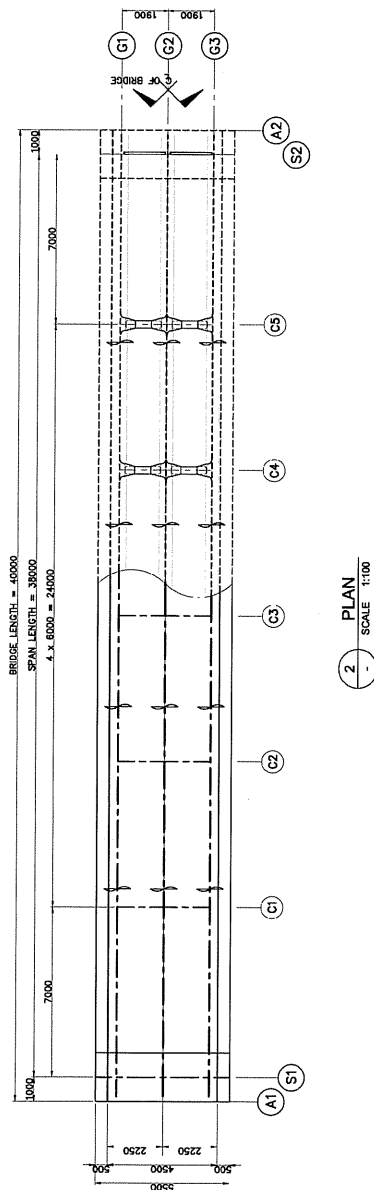
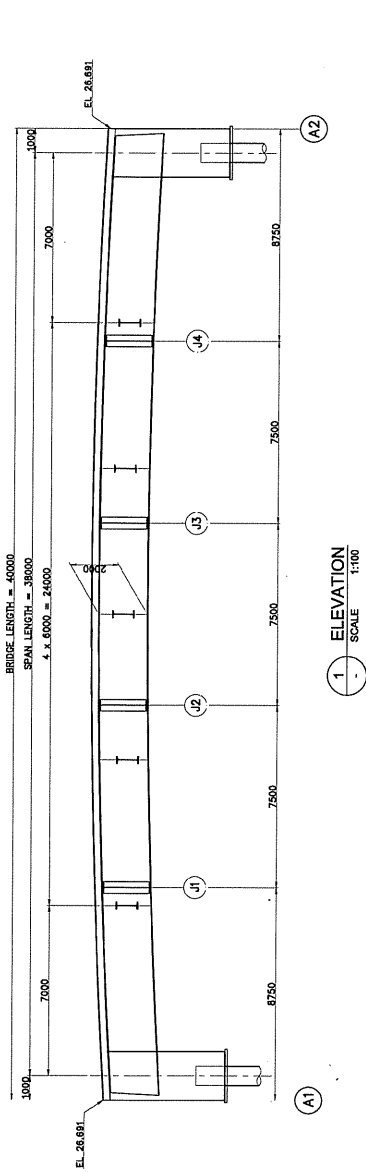
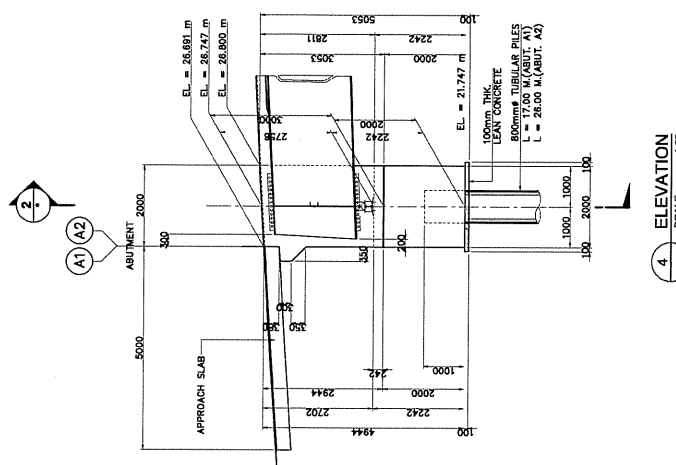
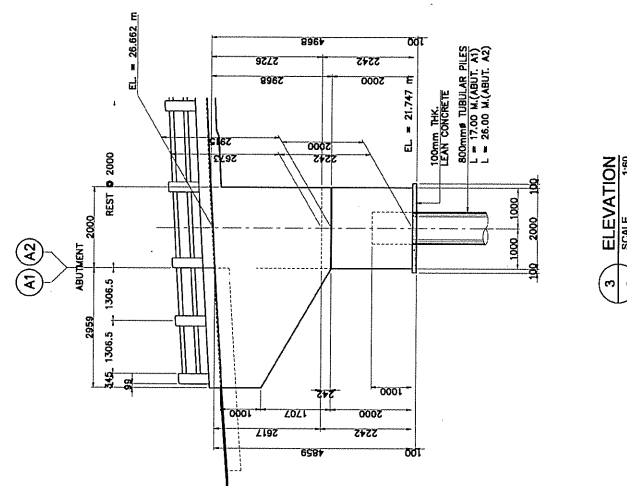
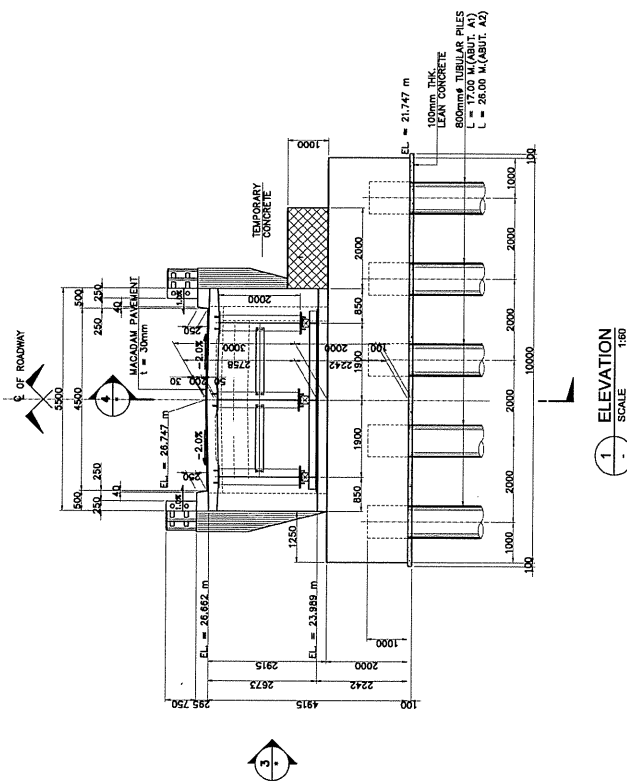
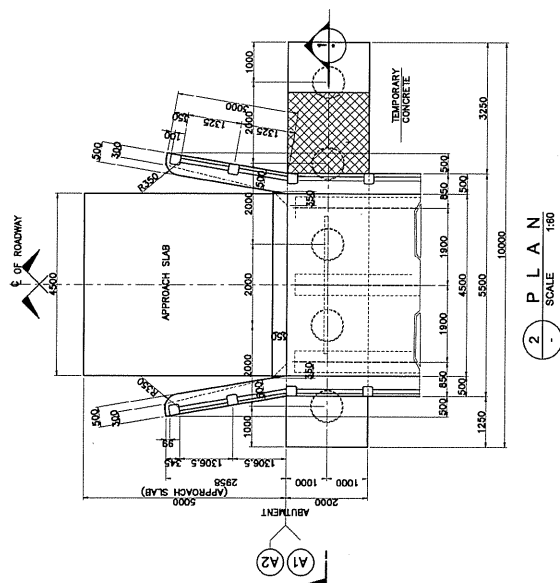




BR-19 SEPANG BRIDGE

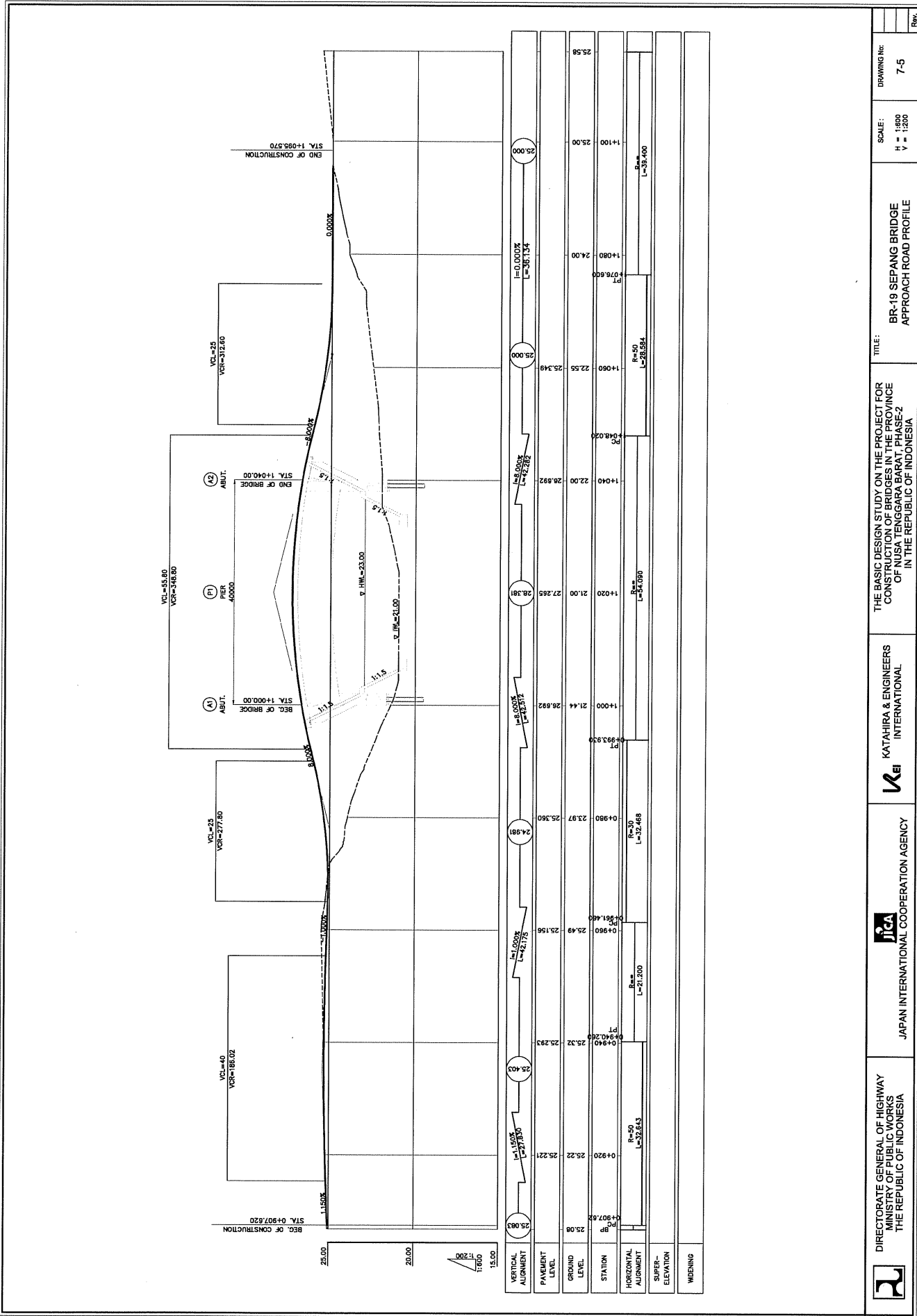


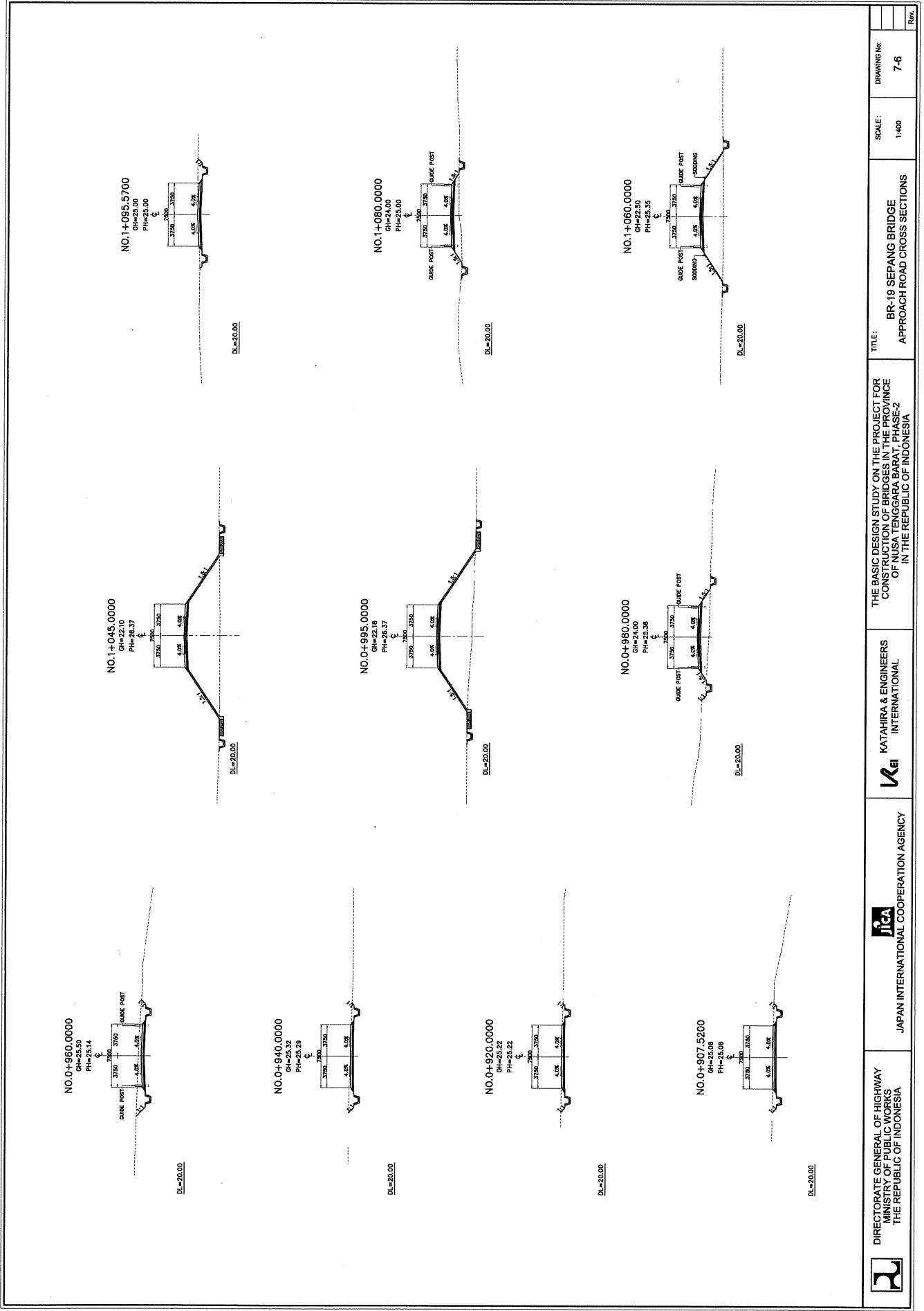






	DIRECTORATE GENERAL OF HIGHWAY MINISTRY OF PUBLIC WORKS THE REPUBLIC OF INDONESIA	 JAPAN INTERNATIONAL COOPERATION AGENCY	 KATAHIRA & ENGINEERS INTERNATIONAL	THE BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN THE PROVINCE OF NUSA TENGGARA BARAT, PHASE-2 IN THE REPUBLIC OF INDONESIA	TITLE: BR-19 SEPANG BRIDGE SUBSTRUCTURE STRUCTURAL DIMENSION (ABUT. A1 AND A2)	SCALE: AS SHOWN 7-4	DRAWING No.	Rev.
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DIRECTORATE GENERAL OF HIGHWAY
MINISTRY OF PUBLIC WORKS
THE REPUBLIC OF INDONESIA



JAPAN INTERNATIONAL COOPERATION AGENCY



THE BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGE AND APPROACH ROAD IN PROVINCE
OF NUSA TENGGARA BARAT, PHASE-2
IN THE REPUBLIC OF INDONESIA

TITLE:
BR-19 SEPANG BRIDGE
APPROACH ROAD CROSS SECTIONS

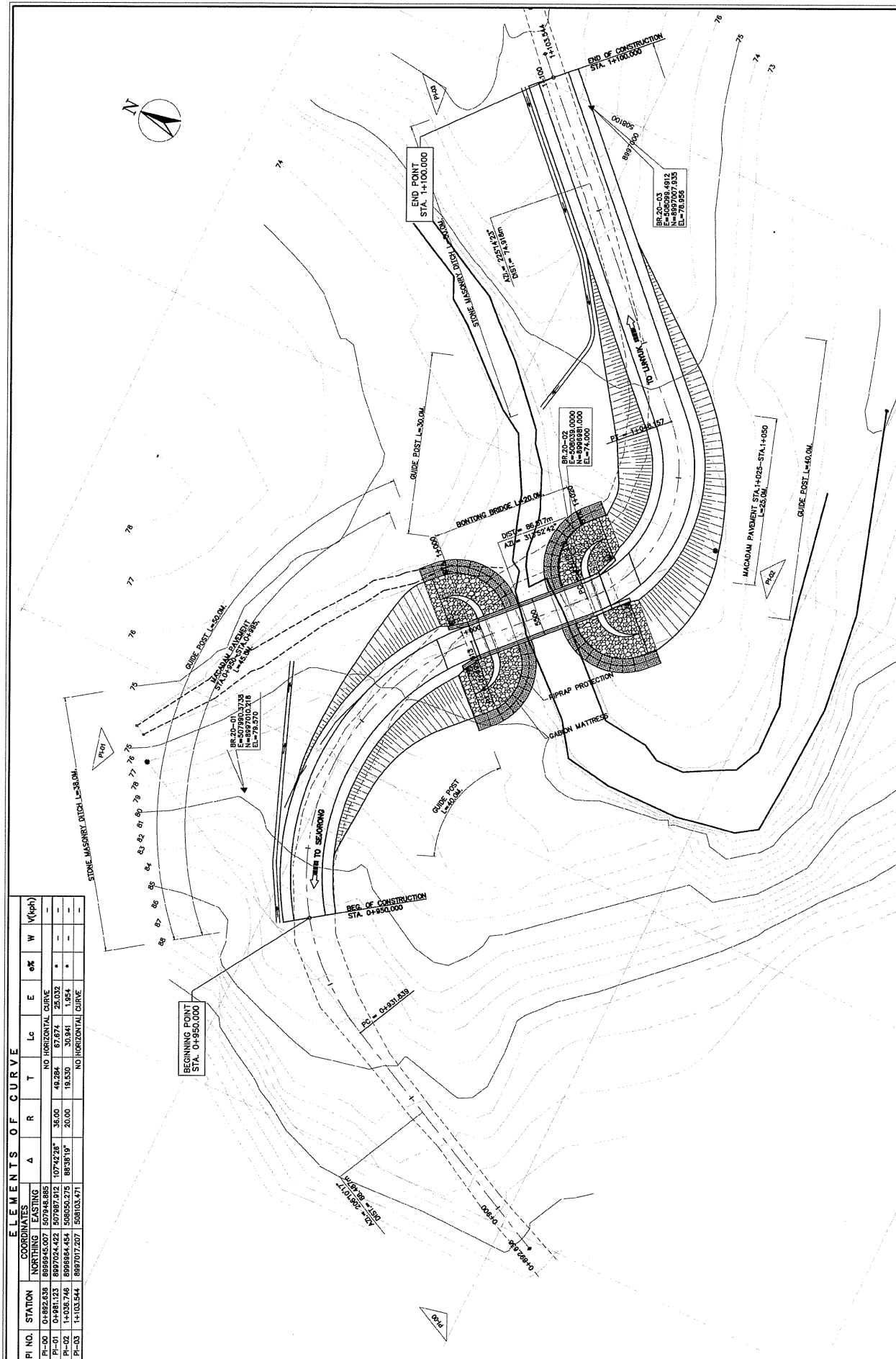
SCALE:
1:400

DRAWING No:
7-6

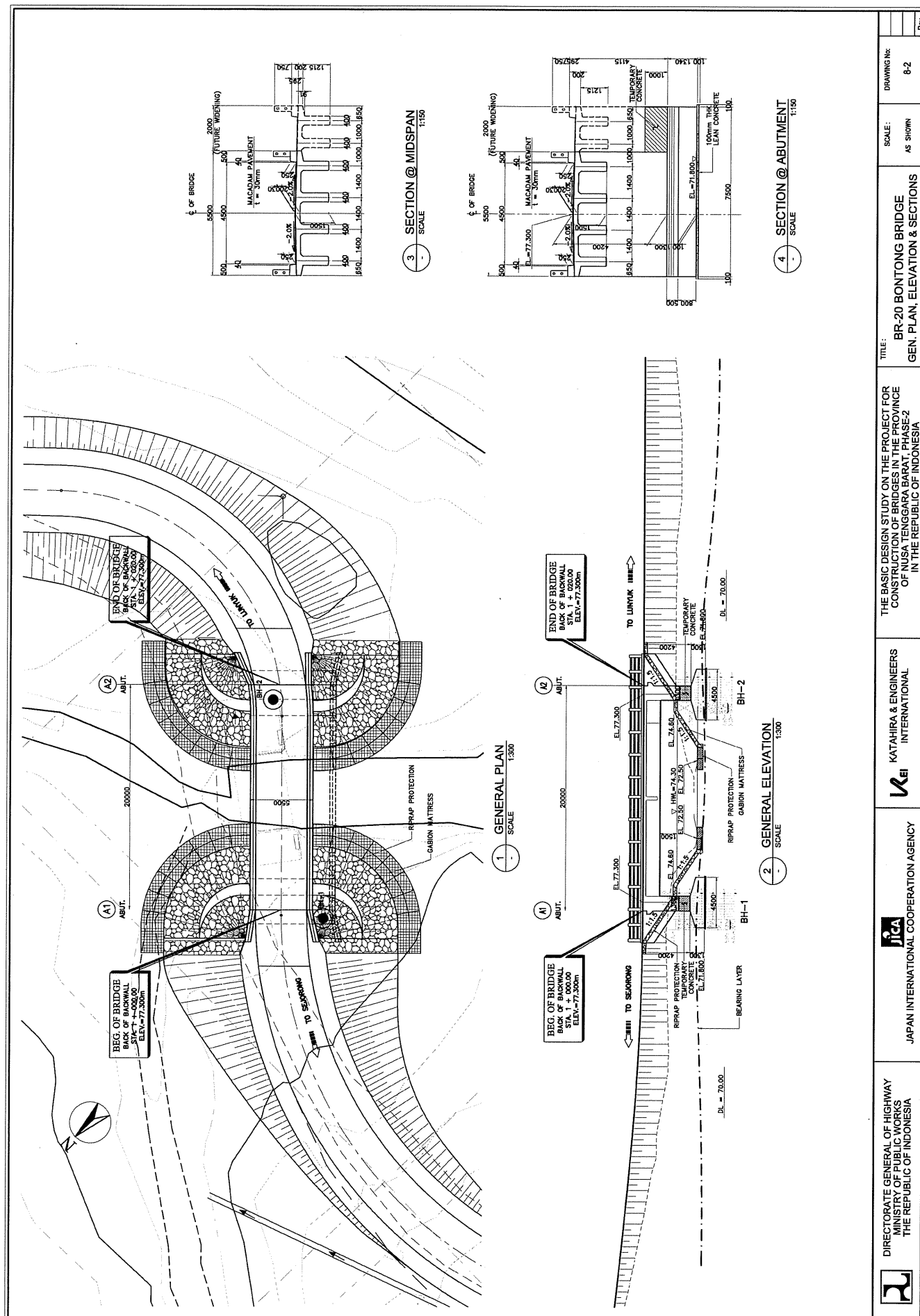
Rev.

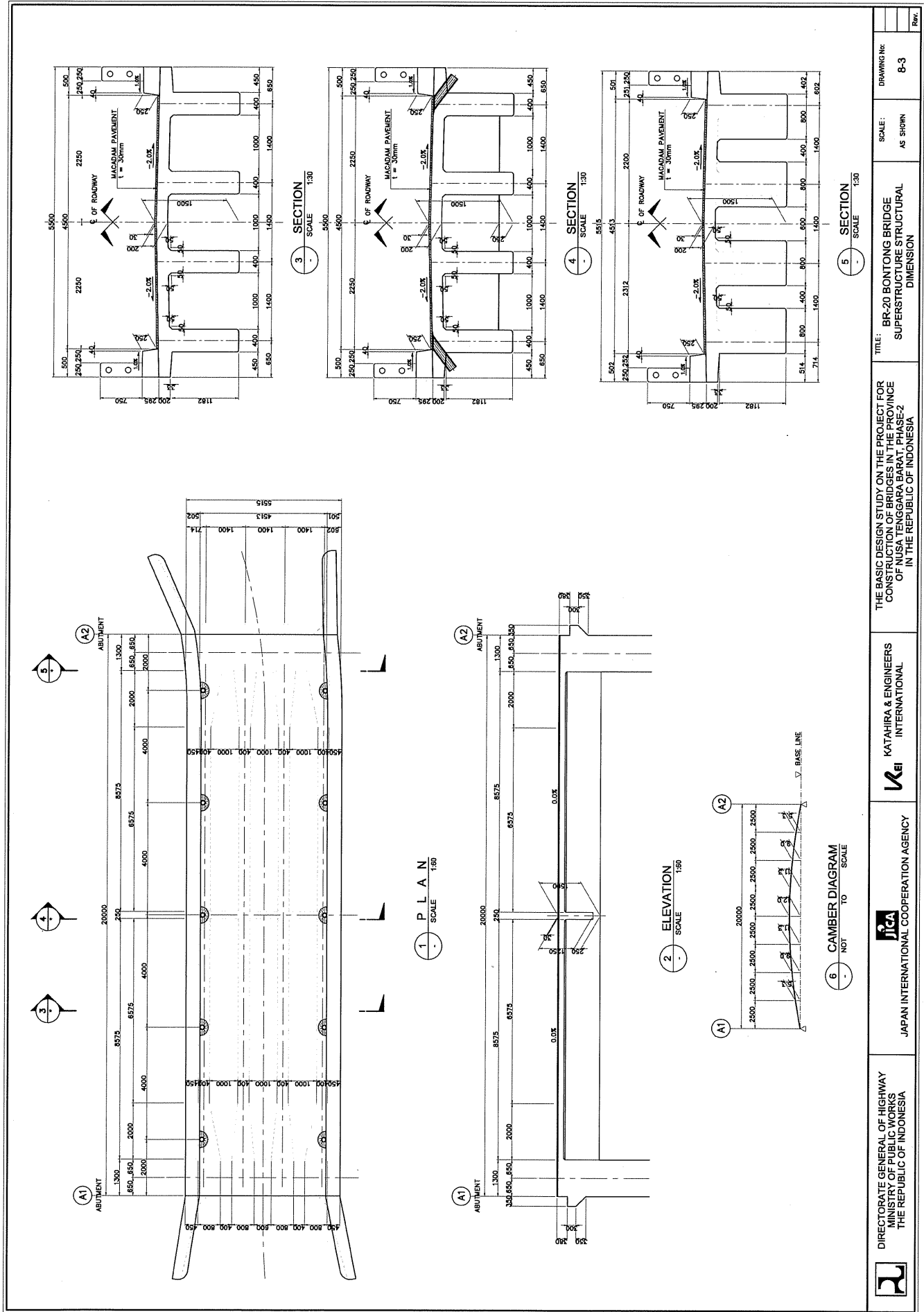
BR-20 BONTONG BRIDGE

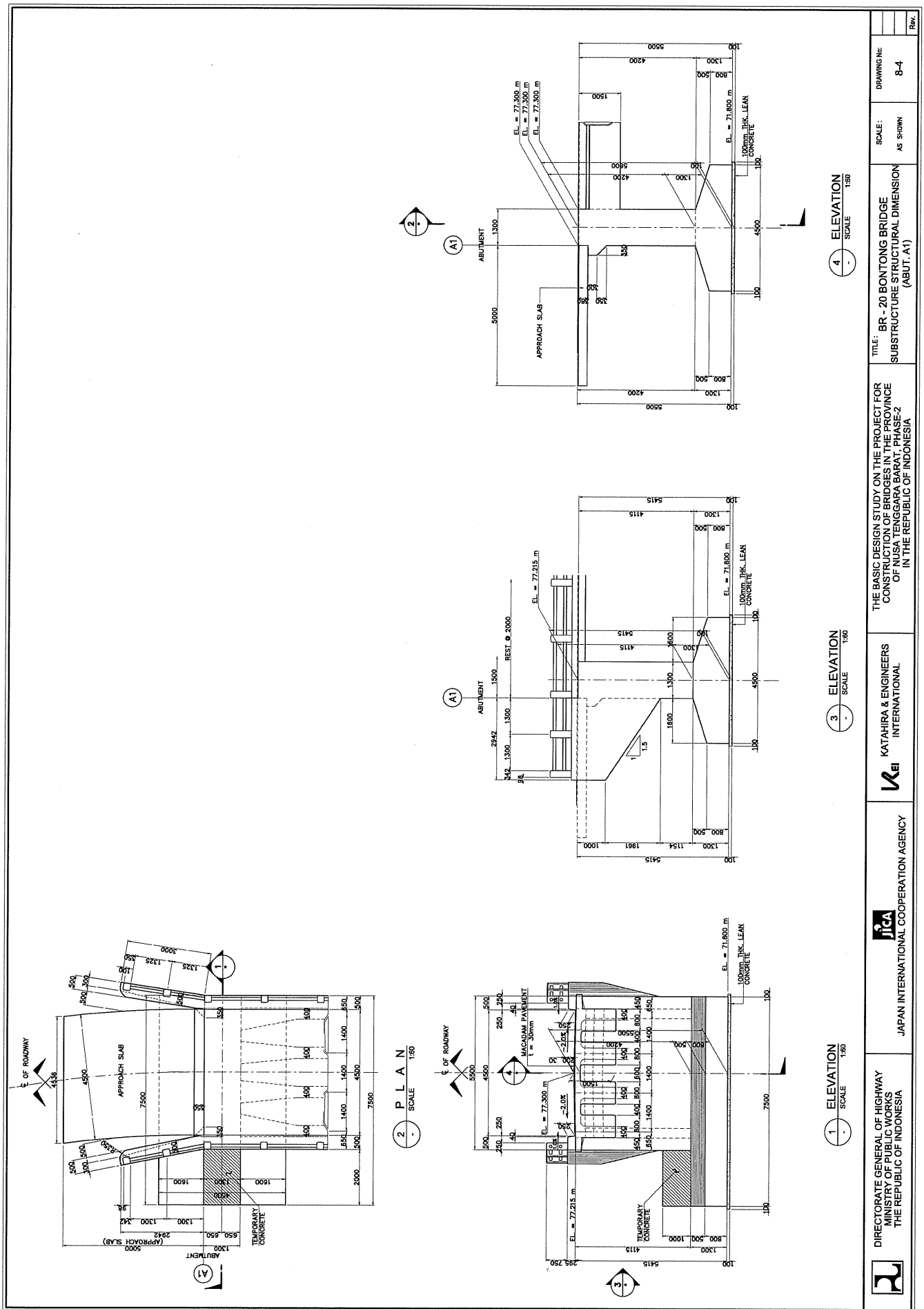
ELEMENTS OF CURVE									
PI NO.	STATION	COORDINATES		Δ	R	T	Lc	E	e%
		NORTHING	EASTING						
PI-00	0+489.539	899724.027	507948.885	107°42'28"	35.00	48.284	6.874	25.032	-
PI-01	0+581.033	899724.027	507948.885	90°00'00"	35.00	48.284	6.874	25.032	-
PI-02	1+435.746	899864.454	508050.275	89°38'19"	20.00	18.535	3.024	12.474	-
PI-03	1+435.544	899707.207	508103.471	NO HORIZONTAL CURVE					

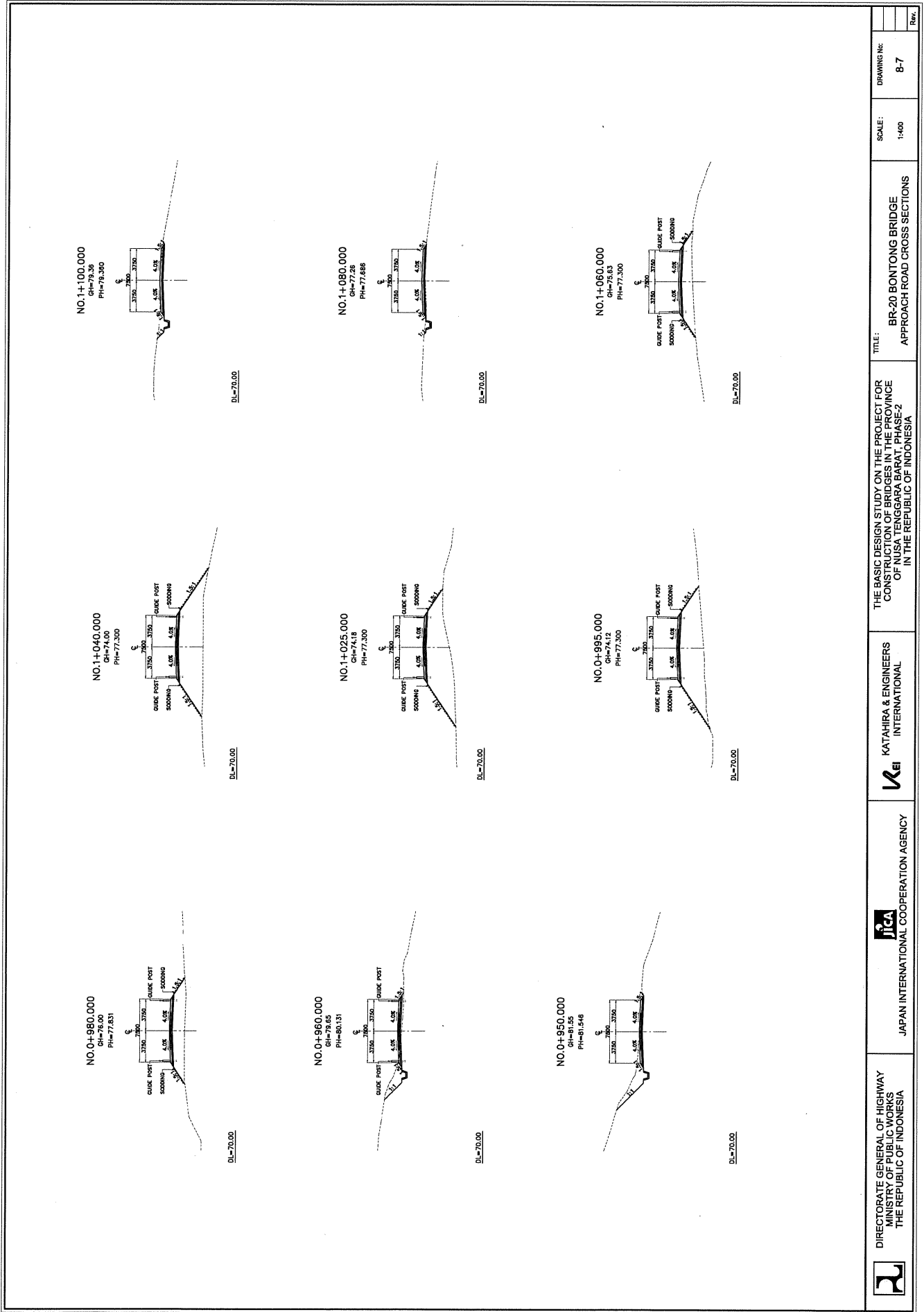


 DIRECTORATE GENERAL OF HIGHWAY MINISTRY OF PUBLIC WORKS THE REPUBLIC OF INDONESIA	 JAPAN INTERNATIONAL COOPERATION AGENCY	 KATATEIRA & ENGINEERS INTERNATIONAL	TITLE: BR-20 BONTONG BRIDGE GENERAL SITE PLAN	SCALE: 1 : 500	DRAWING No: 8-1	Rev.
			THE BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN THE PROVINCE OF NUSA TENGGARA BARAT, PHASE-2 IN THE REPUBLIC OF INDONESIA			



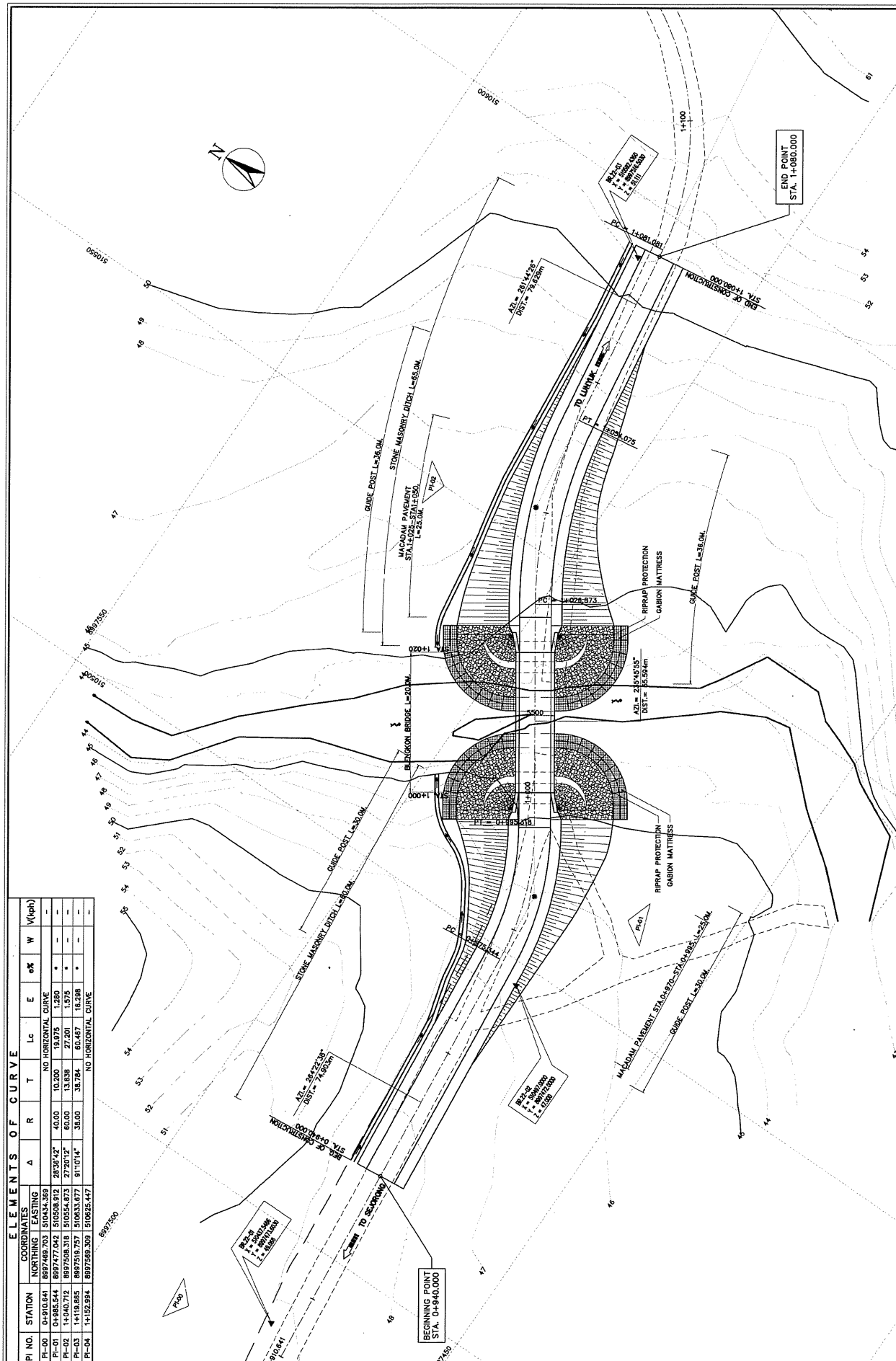




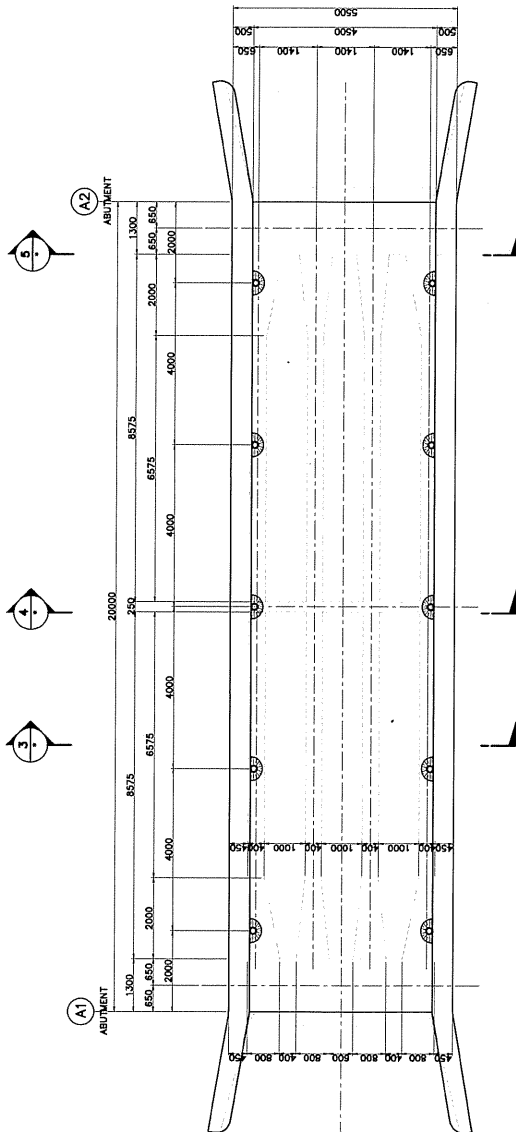


BR-22 BLENGKON BRIDGE

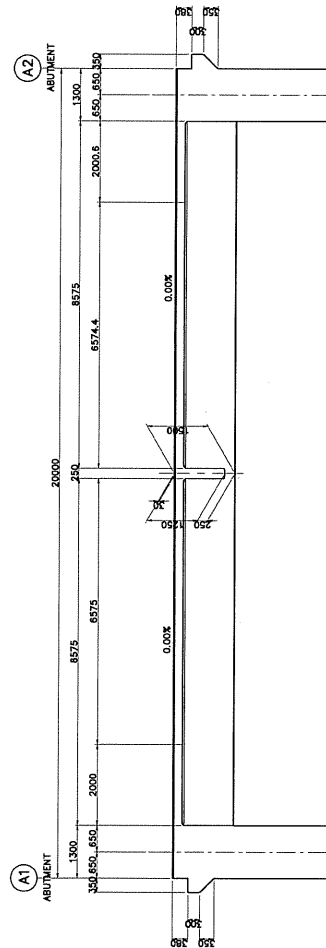
ELEMENTS OF CURVE									
PI NO.	STATION	COORDINATES		Δ	R	T	Lc	E	W
		NORTHING	EASTING						
PI-00	0+310.641	897483.703	510434.389	2835°42'	40.00	10.200	13.975	1.280	-
PI-01	0+485.544	897477.042	510526.912	2720°12'	40.00	13.538	27.201	1.575	-
PI-03	1+119.845	897563.257	510651.673	2810°14'	38.00	35.758	6.481	1.826	-
PI-04	1+152.894	897569.309	510651.447						



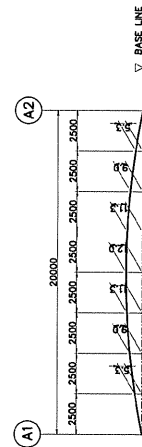
Rev.		DRAWING No.		SCALE:		TITLE:		THE BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN THE PROVINCE OF NUSA TENGGARA BARAT PHASE-2 IN THE REPUBLIC OF INDONESIA		KATAHIRA & ENGINEERS INTERNATIONAL		JICA		JAPAN INTERNATIONAL COOPERATION AGENCY		DIRECTORATE GENERAL OF HIGHWAY MINISTRY OF PUBLIC WORKS THE REPUBLIC OF INDONESIA	
			9-1		1 : 500		BR. -22 BLENGKON BRIDGE GENERAL SITE PLAN										



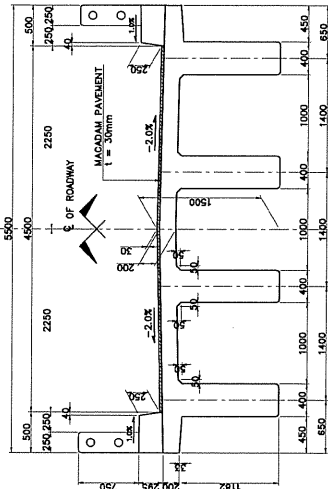
1 PLAN
SCALE 1:50



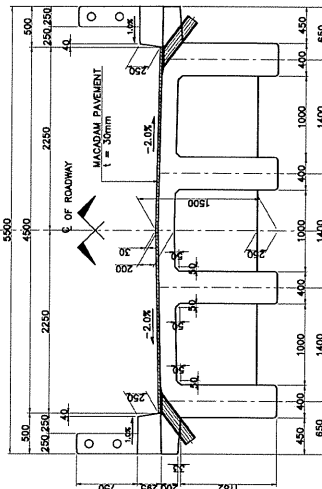
2 ELEVATION
SCALE 1:50



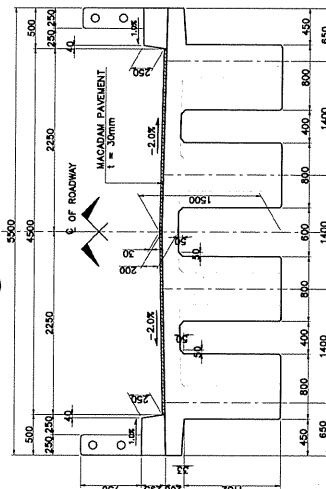
6 CAMBER DIAGRAM
SCALE 1:50



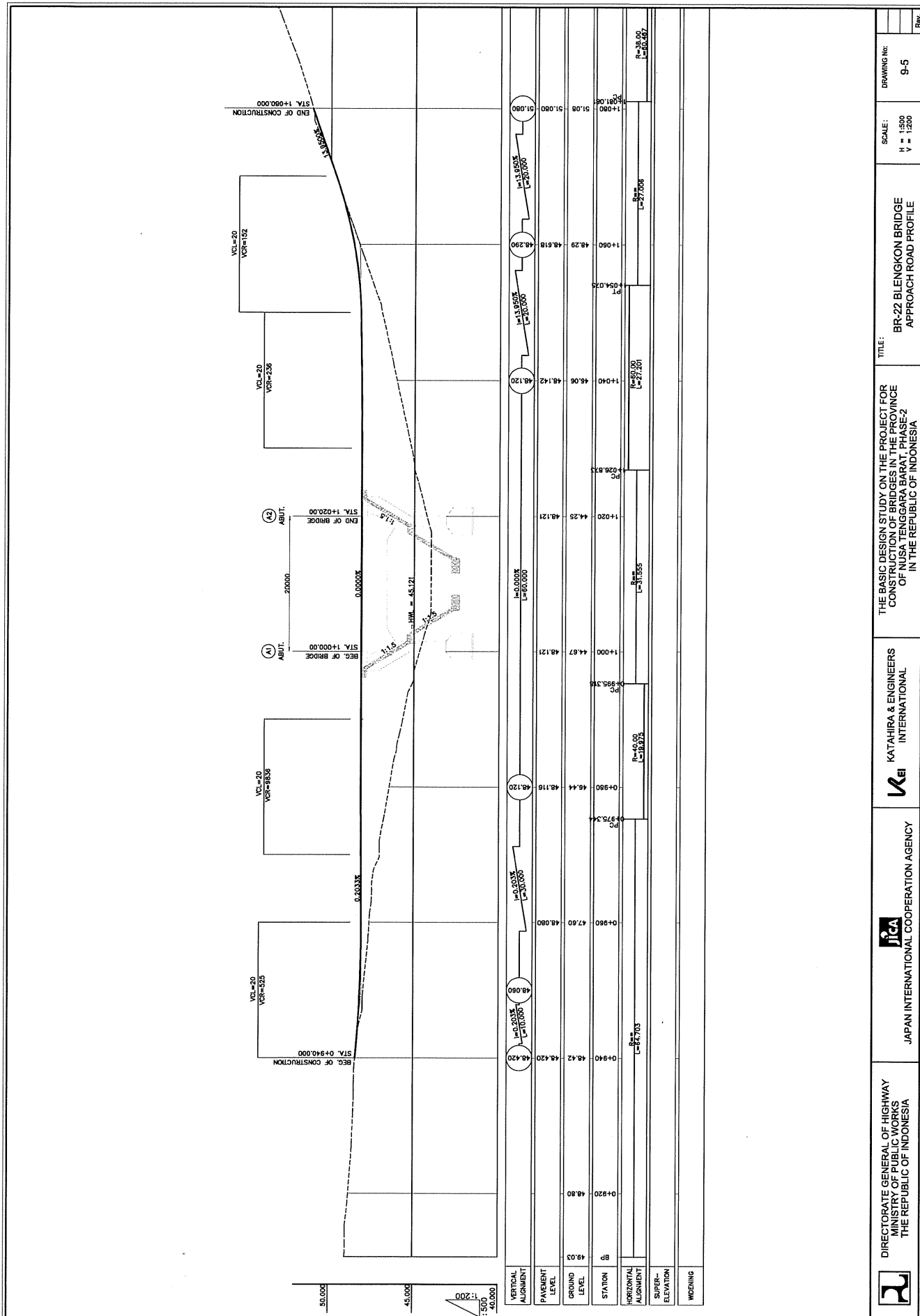
3 SECTION
SCALE 1:30

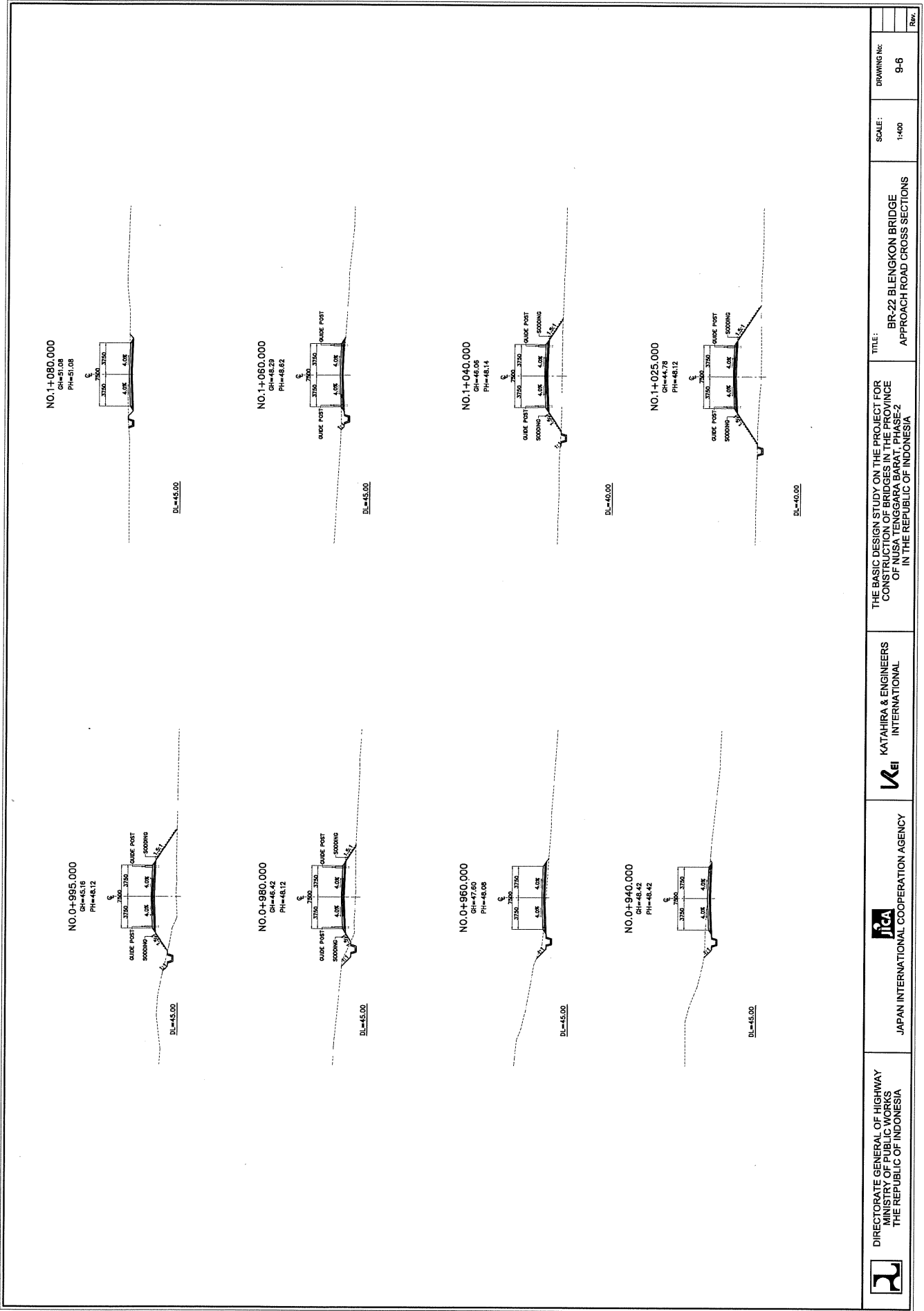


4 SECTION
SCALE 1:30



5 SECTION
SCALE 1:30





DIRECTORATE GENERAL OF HIGHWAY
 MINISTRY OF PUBLIC WORKS
 THE REPUBLIC OF INDONESIA



JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY



KATAHIRA & ENGINEERS
 INTERNATIONAL

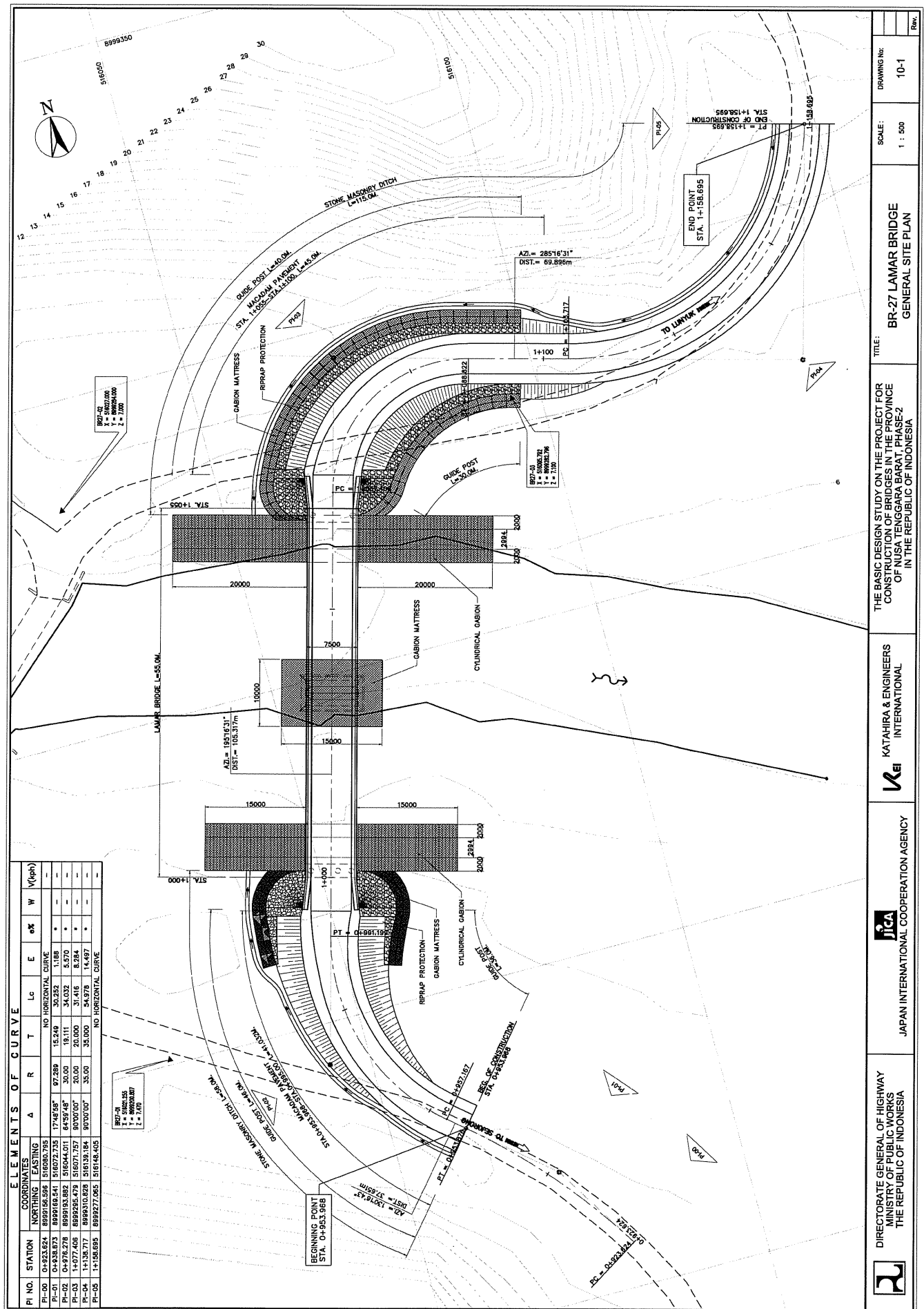
TITLE:
 BR-22 BLENGKON BRIDGE
 APPROACH ROAD CROSS SECTIONS

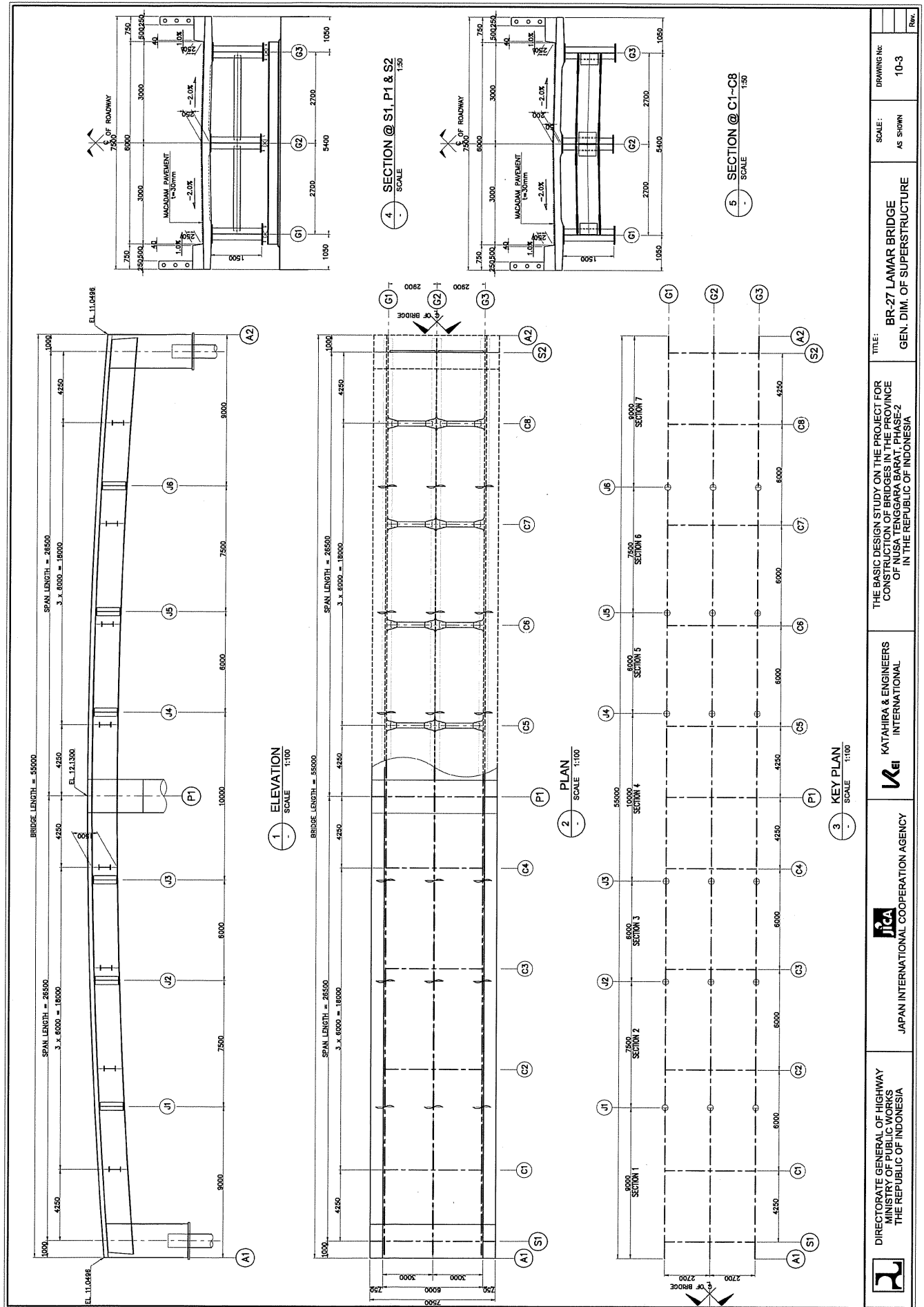
SCALE:
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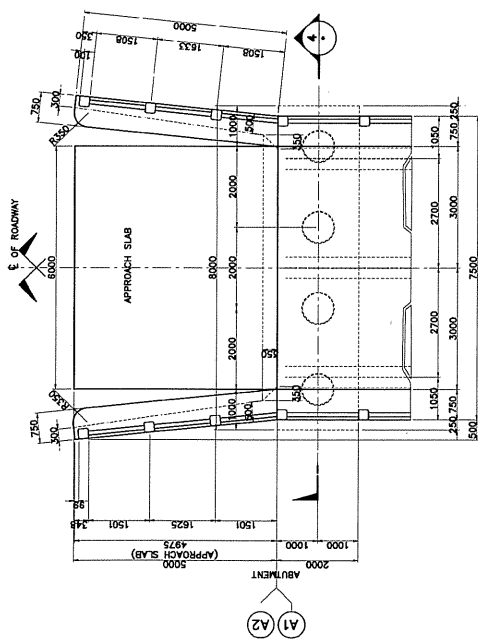
DRAWING No:
 9-5

Rev.

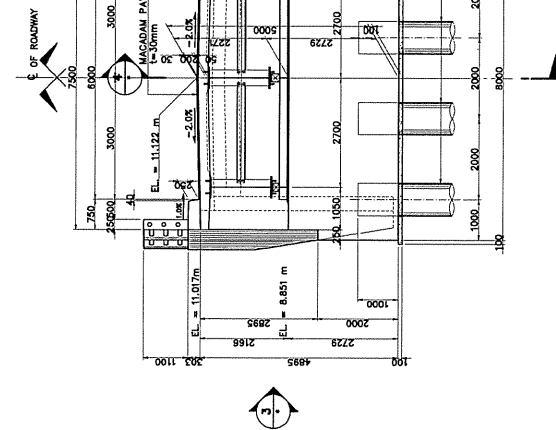
BR-27 LAMAR BRIDGE



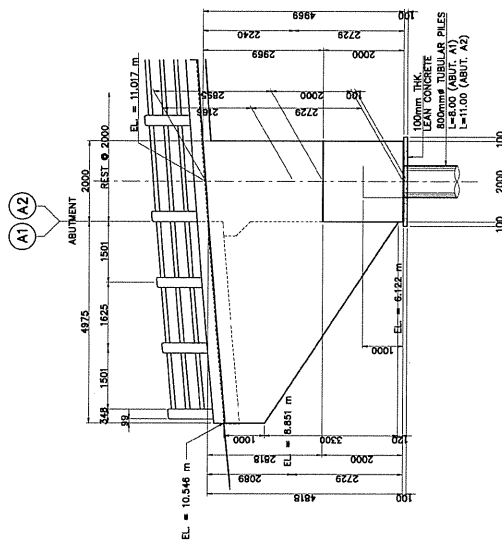




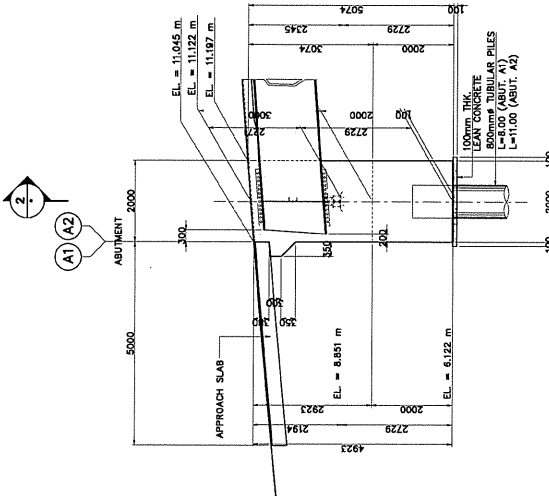
1 PLAN
SCALE 1:500



2 ELEVATION
SCALE 1:500



3 ELEVATION
SCALE 1:500



4 ELEVATION
SCALE 1:500



DIRECTORATE GENERAL OF HIGHWAY
MINISTRY OF PUBLIC WORKS
THE REPUBLIC OF INDONESIA



JAPAN INTERNATIONAL COOPERATION AGENCY

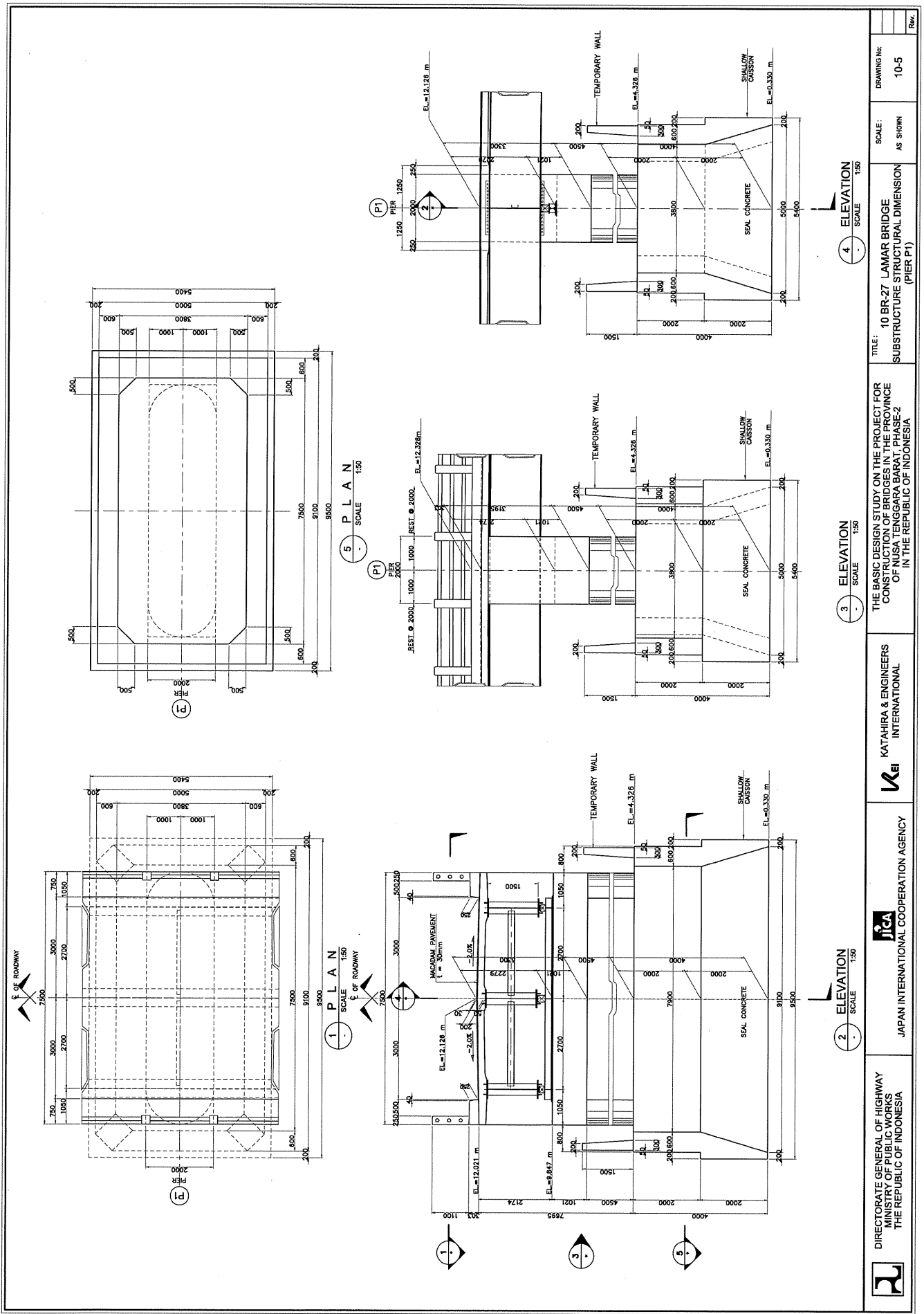


THE BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN THE PROVINCE
OF NUSA TENGGARA BARAT PHASE-2
IN THE REPUBLIC OF INDONESIA

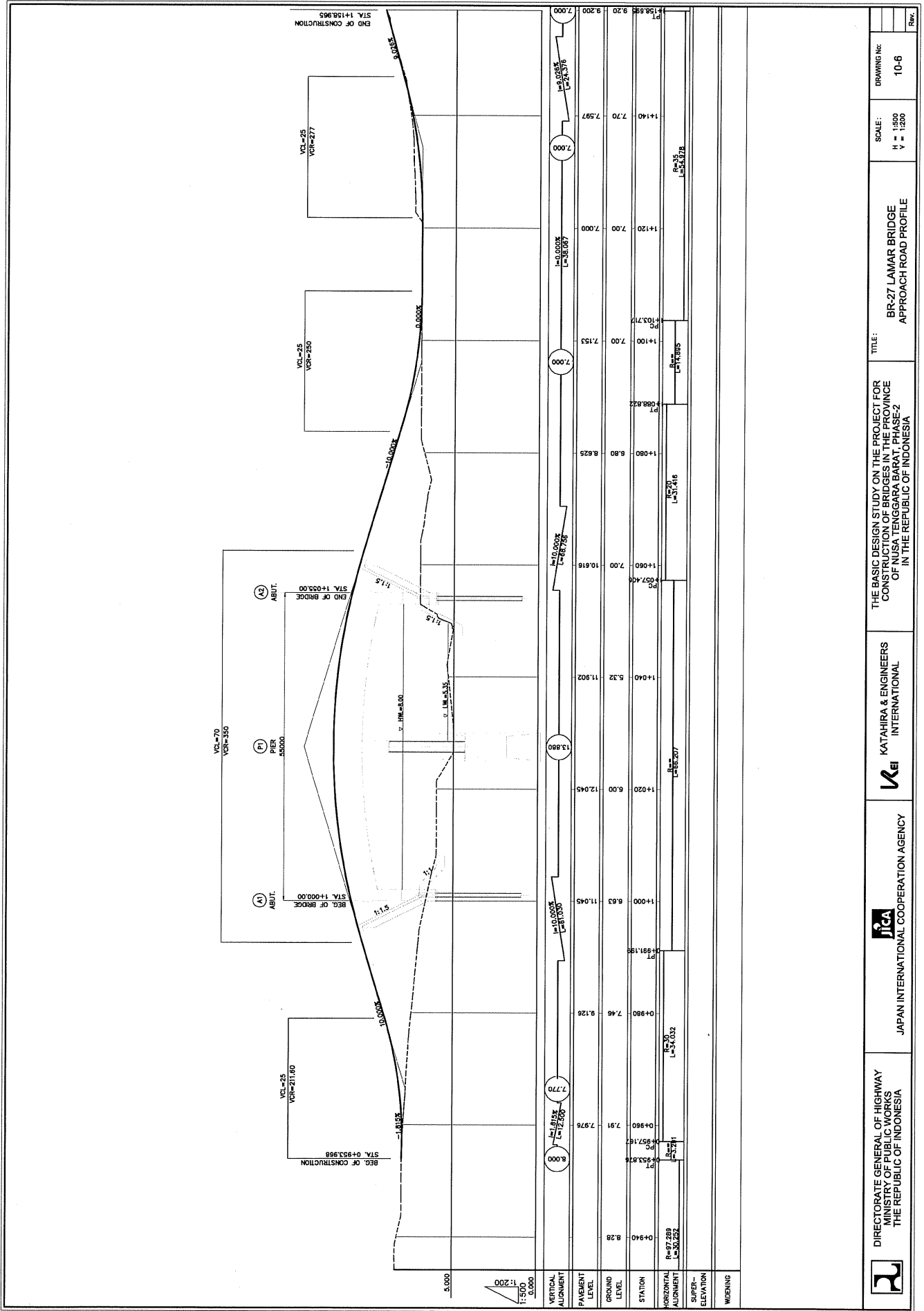
TITLE: BR-27 LAMAR BRIDGE
SUBSTRUCTURE STRUCTURAL DIMENSION
(ABUTMENT A1 & A2)

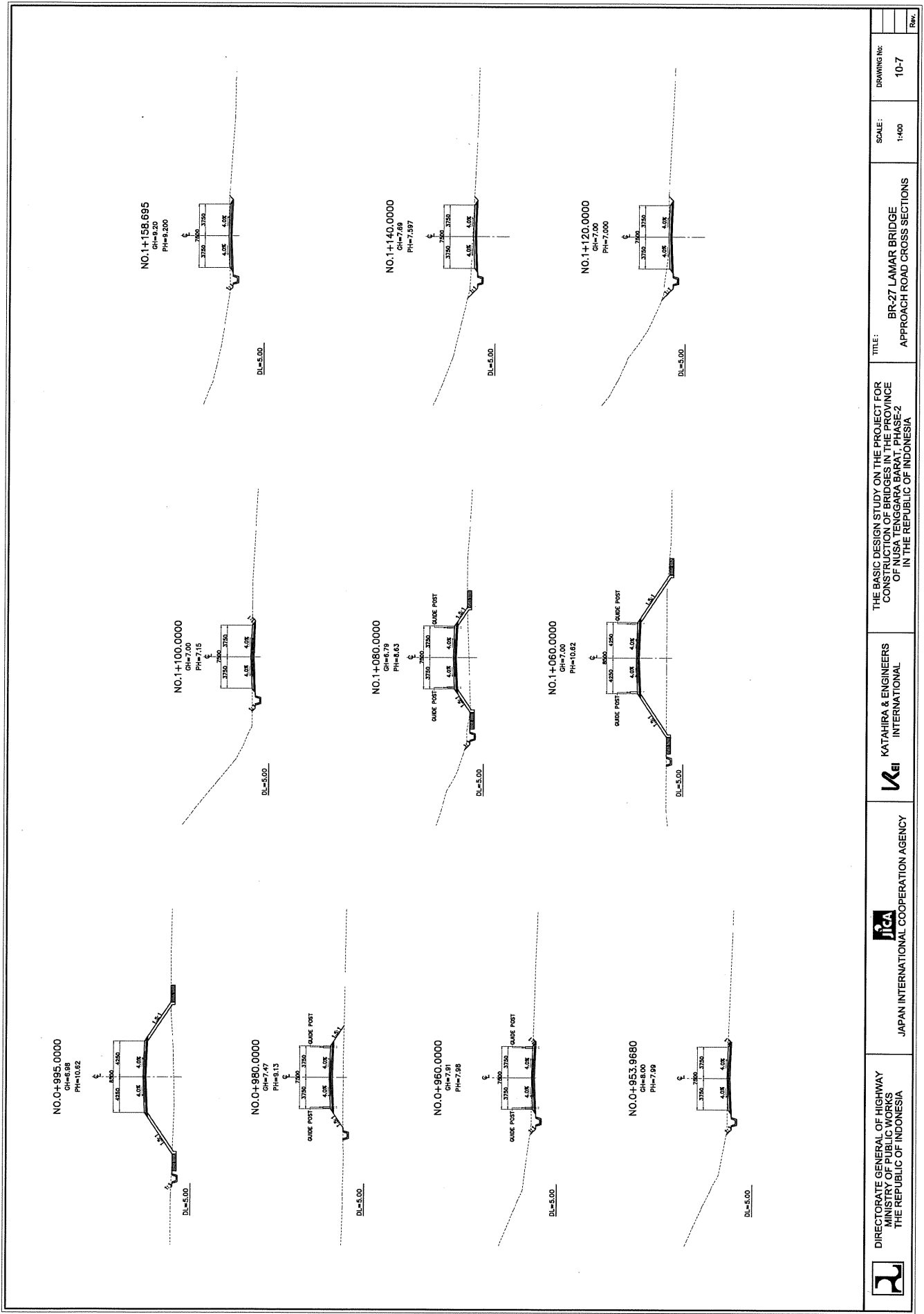
SCALE: AS SHOWN
DRAWING No: 10-4

Rev.



	JICA JAPAN INTERNATIONAL COOPERATION AGENCY		THE BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN THE PROVINCE OF NANTONG, GUANGDONG, CHINA IN THE REPUBLIC OF INDONESIA	TITLE: 10 BR-27 LAMAR BRIDGE SUBSTRUCTURE STRUCTURAL DIMENSION (PIER P1)	SCALE: AS SHOWN	DRAWING No: 10-5	Rev.





DIRECTORATE GENERAL OF HIGHWAY
MINISTRY OF PUBLIC WORKS
THE REPUBLIC OF INDONESIA



JAPAN INTERNATIONAL COOPERATION AGENCY



KATAHIRA & ENGINEERS
INTERNATIONAL

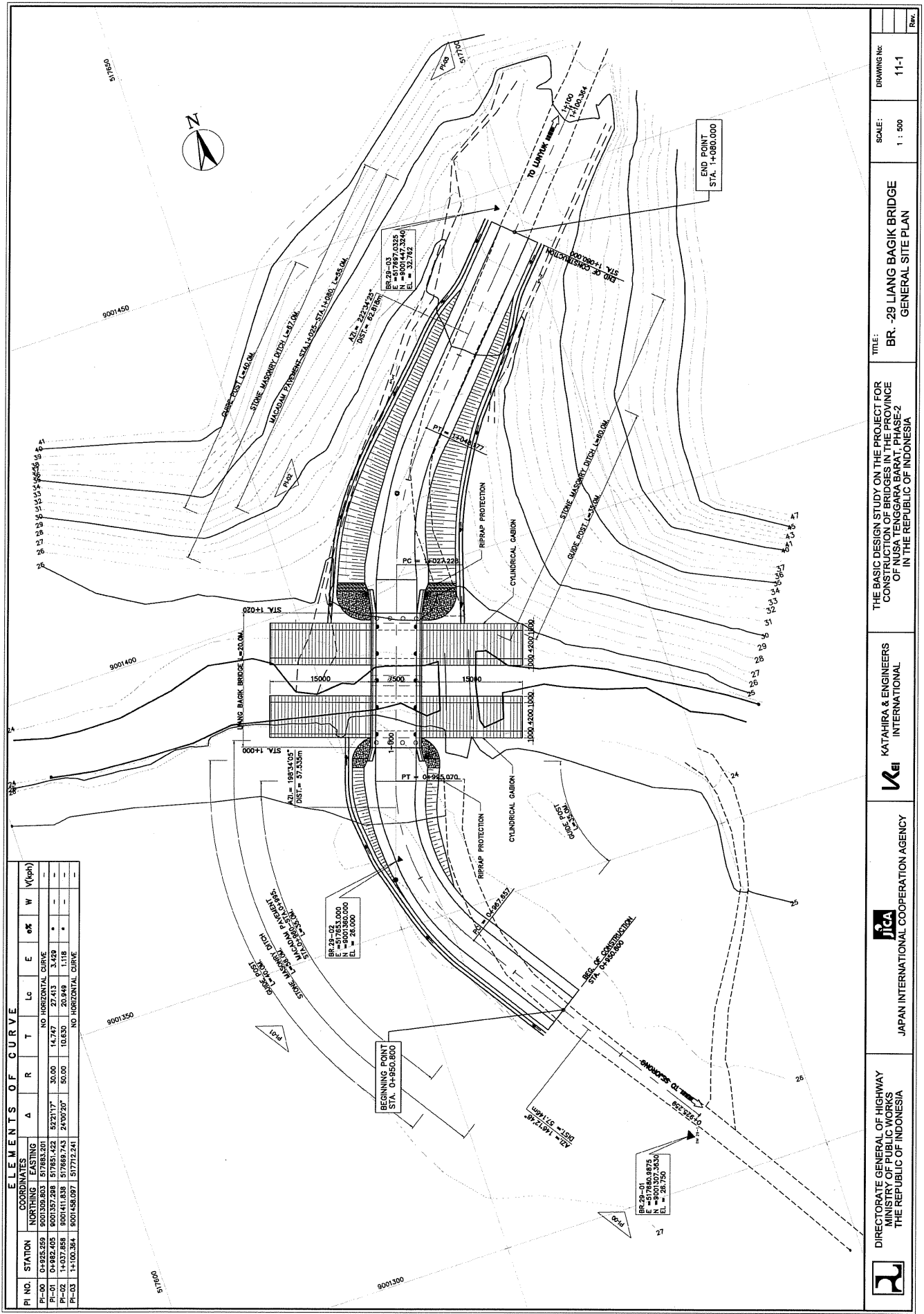
TITLE:
BR-27 LAMAR BRIDGE
APPROACH ROAD CROSS SECTIONS

SCALE:
1:400

DRAWING NO:
10-7

Rev.

BR-29 LIANG BAGIK BRIDGE



ELEMENTS OF CURVE									
PI NO	STATION	COORDINATES		Δ	R	T	Lc	E	W
		NORTHING	EASTING						
PI-00	0+425.259	9001309.803	576881.201	NO HORIZONTAL CURVE					
PI-01	0+482.405	9001357.298	576851.422	52°17'	30.00	14.747	27.413	3.429	-
PI-02	1+037.858	9001411.838	576883.743	24°02'	50.00	10.830	20.949	1.118	-
PI-03	1+100.384	9001458.097	577772.241	NO HORIZONTAL CURVE					

DIRECTORATE GENERAL OF HIGHWAY
MINISTRY OF PUBLIC WORKS
THE REPUBLIC OF INDONESIA

JAPAN INTERNATIONAL COOPERATION AGENCY

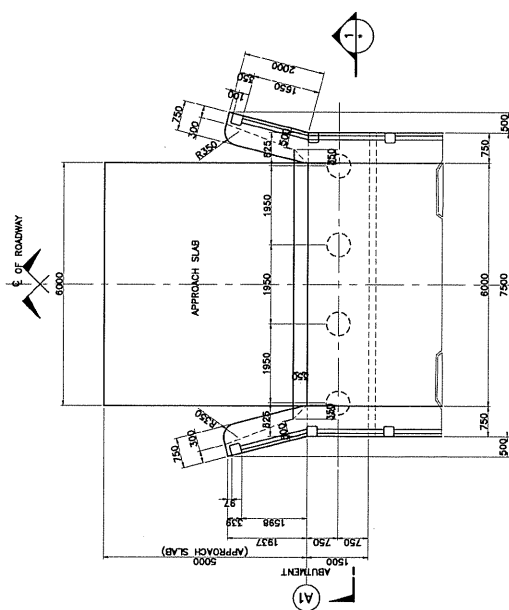
KATAHIRA & ENGINEERS
INTERNATIONAL

TITLE:
BR -29 LIANG BAGIK BRIDGE
GENERAL SITE PLAN

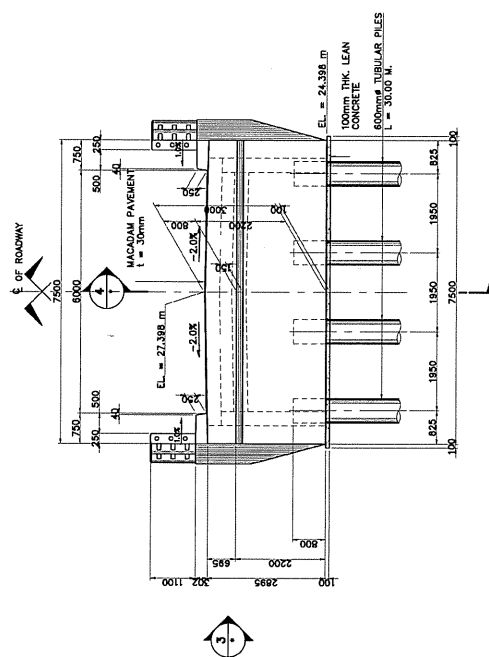
SCALE:
1 : 500

DRAWING No:
11-1

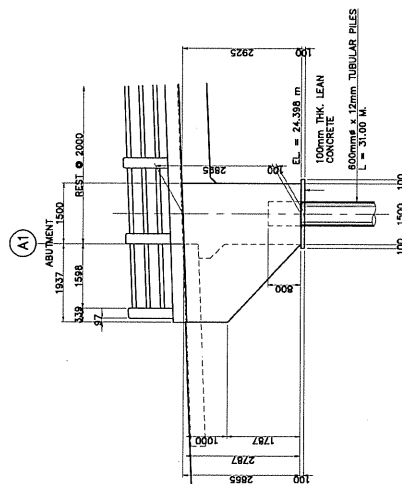
Rev.



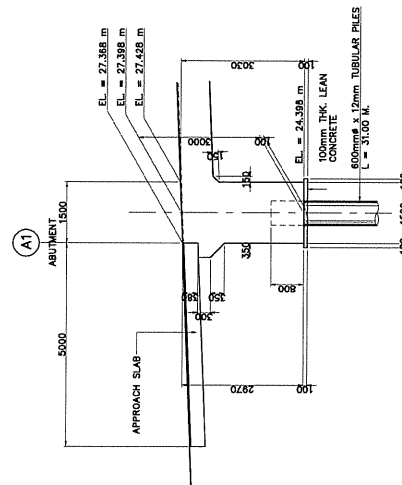
2 PLAN
SCALE 1:50



1 ELEVATION
SCALE 1:50



3 ELEVATION
SCALE 1:50



4 SECTION
SCALE 1:50

DIRECTORATE GENERAL OF HIGHWAY
CONSTRUCTION
THE REPUBLIC OF INDONESIA

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY

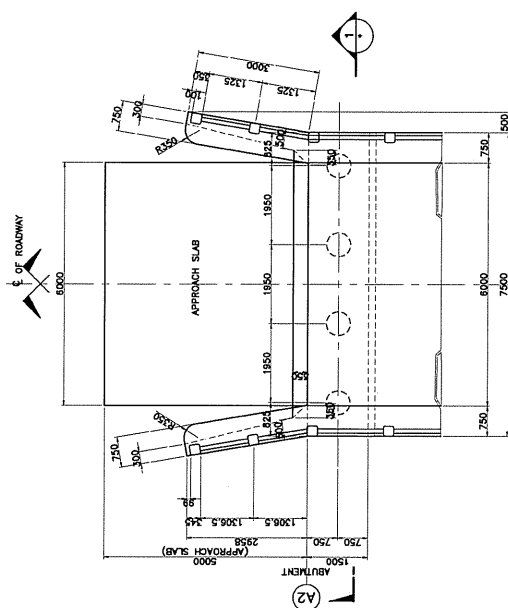
KATAHIRA & ENGINEERS
INTERNATIONAL

THE BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN THE PROVINCE
OF NUSA TENGGARA BARAT PHASE 2
IN THE REPUBLIC OF INDONESIA

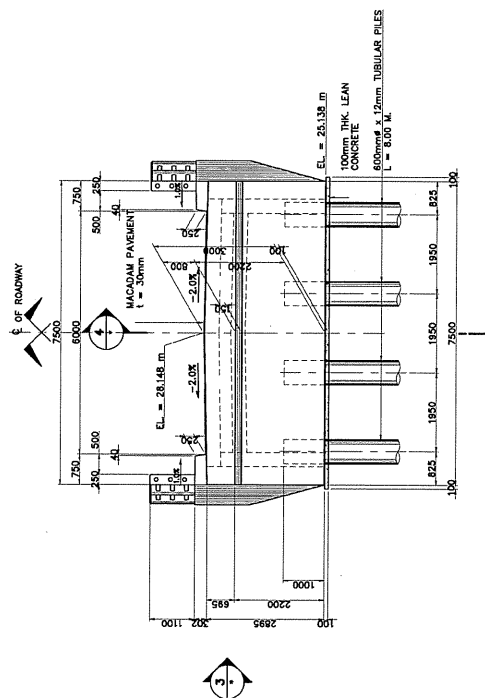
TITLE: BR-28 LIANG BAGIK BRIDGE
SUBSTRUCTURE STRUCTURAL DIMENSION
(ABUTMENT A1)

DRAWING NO:
11-3

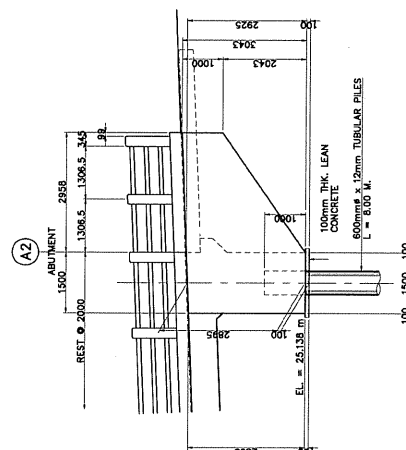
Rev.



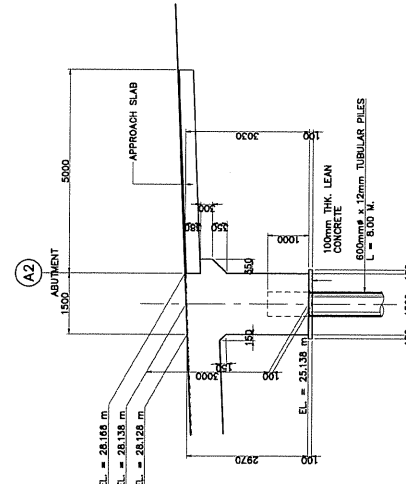
2 PLAN
SCALE 1:50



1 ELEVATION
SCALE 1:50



3 ELEVATION
SCALE 1:50



4 SECTION
SCALE 1:50

DIRECTORATE GENERAL OF HIGHWAY
WORKS
MINISTRY OF PUBLIC WORKS
THE REPUBLIC OF INDONESIA

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY

KATAHIRA & ENGINEERS
INTERNATIONAL

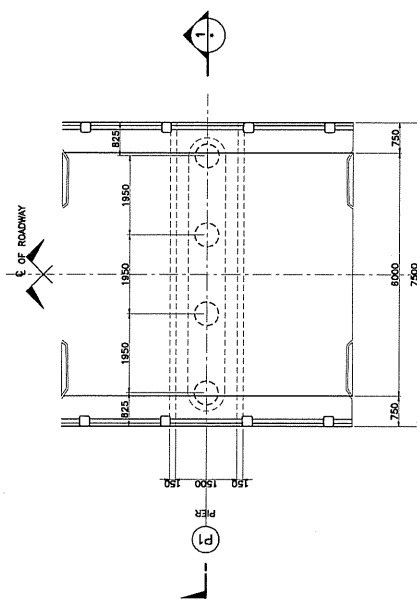
THE BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN THE PROVINCE
OF NUSA TENGGARA BARAT PHASE-2
IN THE REPUBLIC OF INDONESIA

TITLE: BR-28 LIANG BAGIK BRIDGE
SUBSTRUCTURE STRUCTURAL DIMENSION
(ABUTMENT A2)

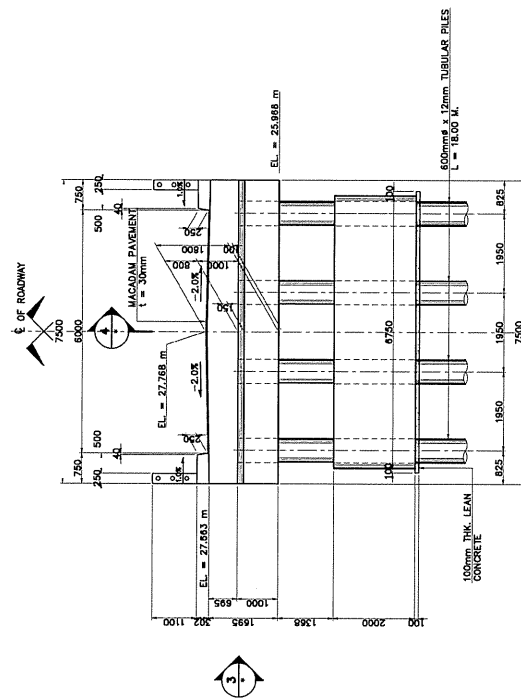
SCALE: AS SHOWN

DRAWING No: 11-4

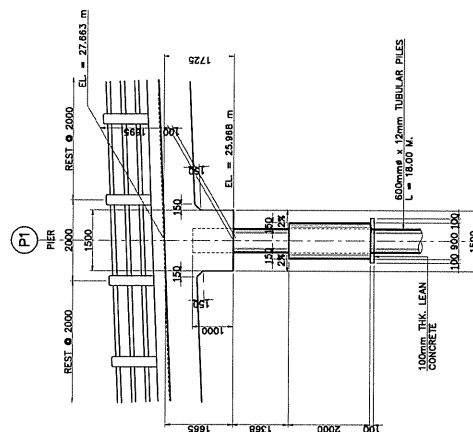
Rev.



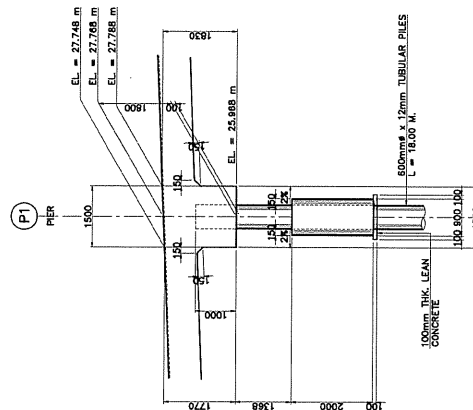
2 PLAN
SCALE 1:50



1 ELEVATION
SCALE 1:50

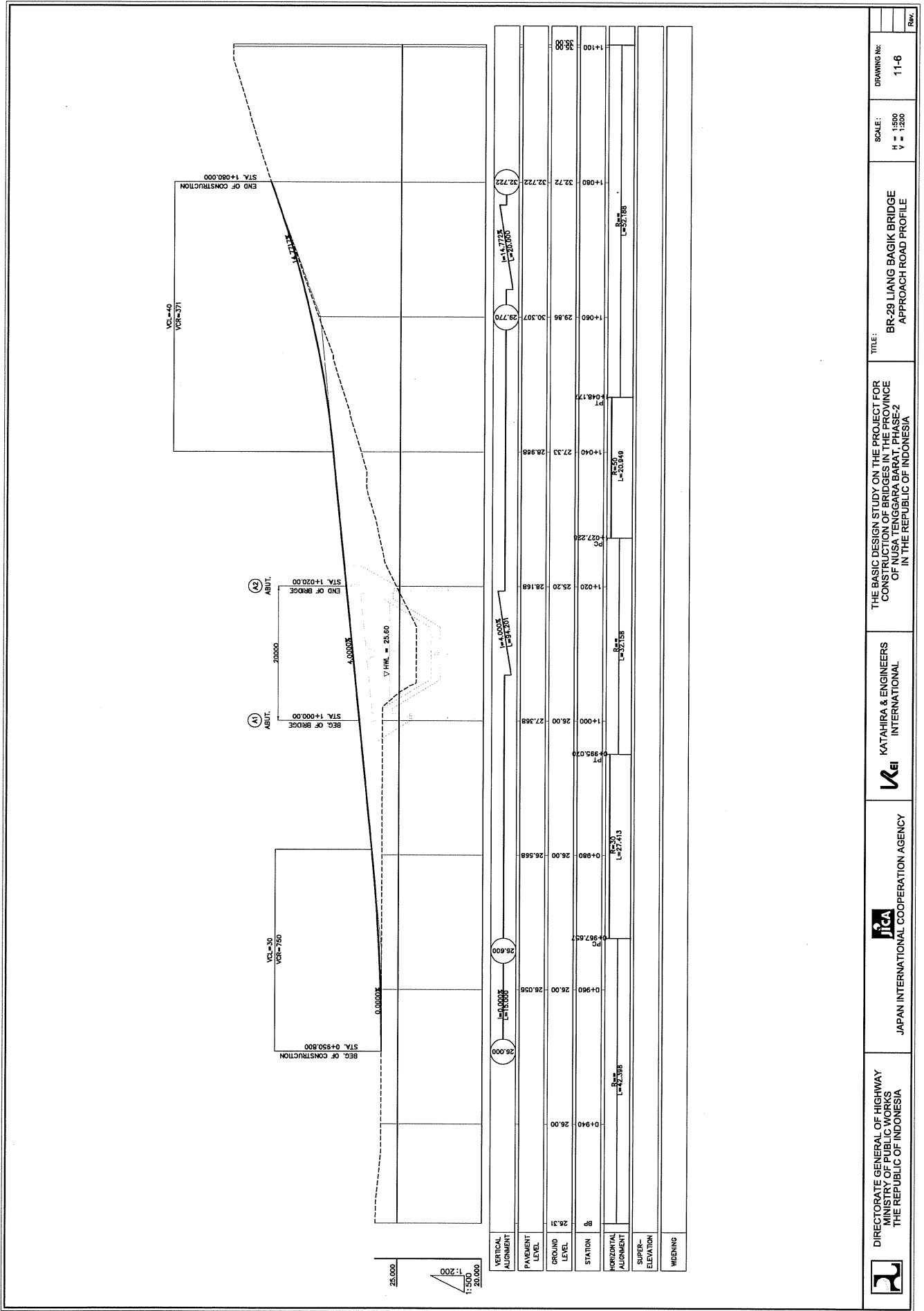


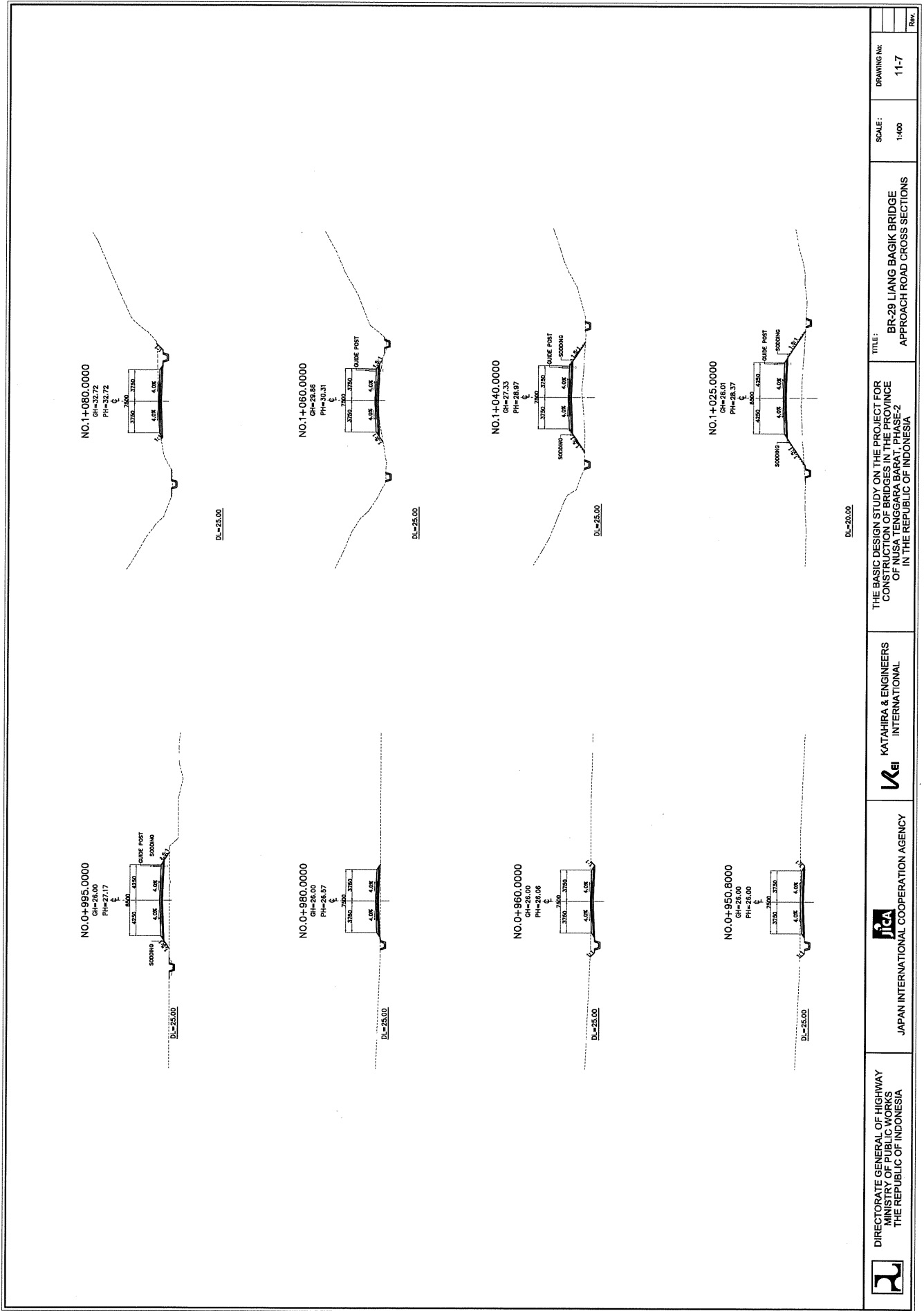
3 ELEVATION
SCALE 1:50



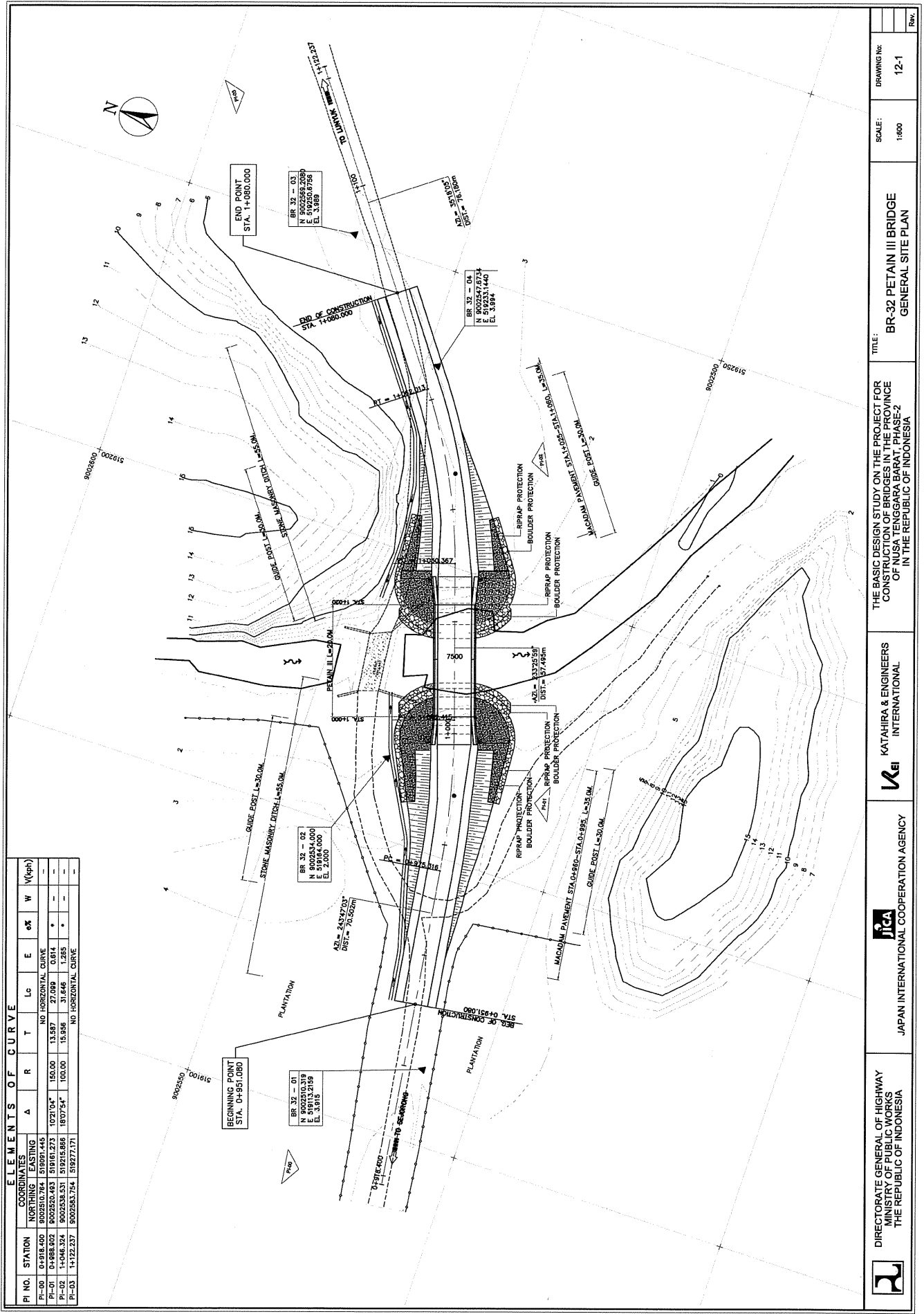
4 SECTION
SCALE 1:50

Rev.	DRAWING No: 11-5	SCALE: AS SHOWN	TITLE: BR-29 LIANG BAGIK BRIDGE SUBSTRUCTURE STRUCTURAL DIMENSION (PIER P1)	THE BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN THE PROVINCE OF NUSA TENGGARA BARAT IN THE REPUBLIC OF INDONESIA	KATAHIRA & ENGINEERS INTERNATIONAL	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	DIRECTORATE GENERAL OF HIGHWAY MINISTRY OF PUBLIC WORKS THE REPUBLIC OF INDONESIA
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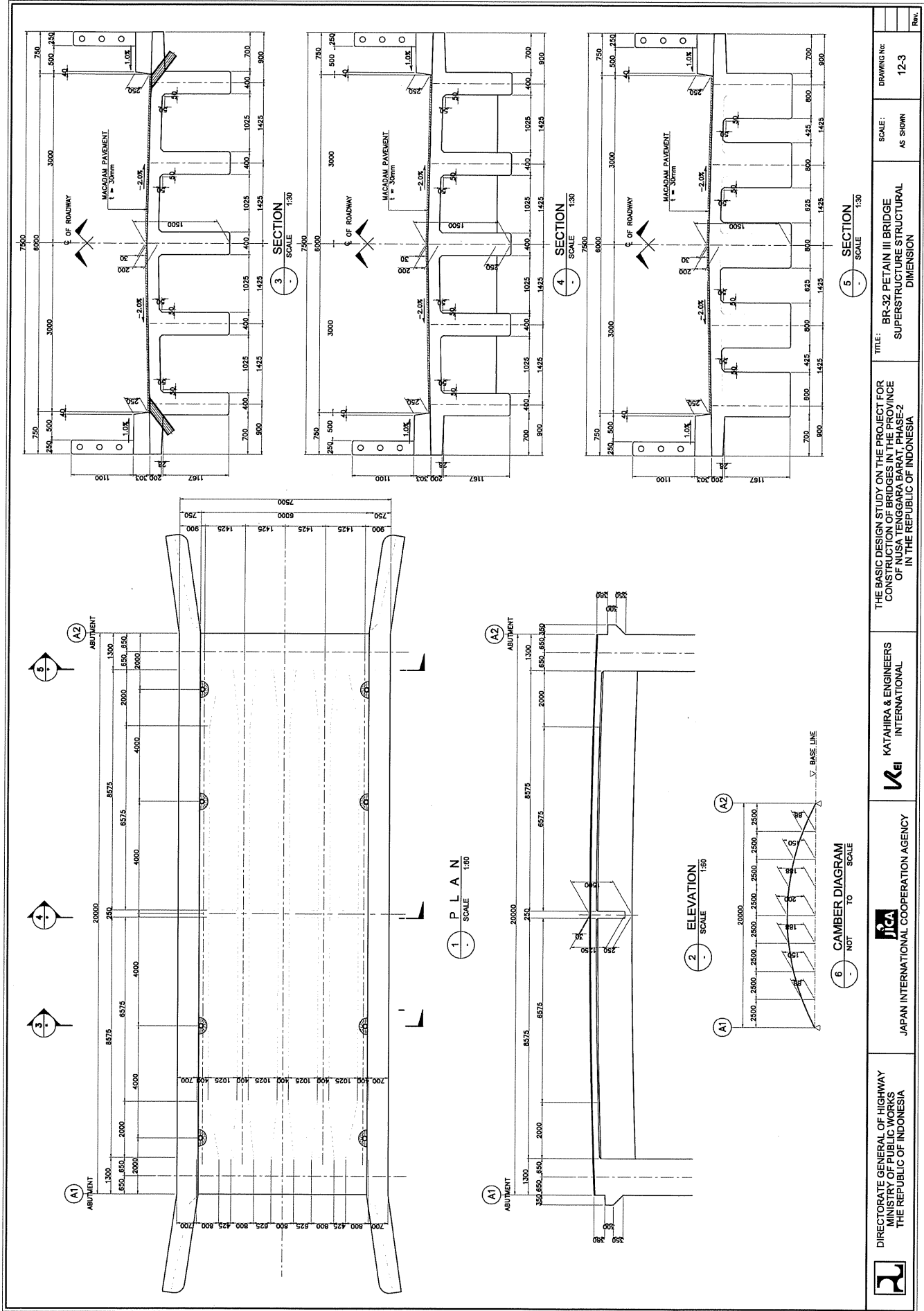


BR-32 PETAIN III BRIDGE



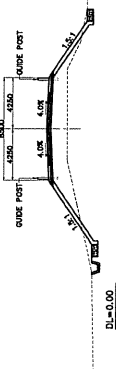
ELEMENTS OF CURVE									
PI NO.	STATION	COORDINATES		Δ	R	T	Lc	E	W
		NORTHING	EASTING						
PI-00	0+918.400	900250.764	519091.445						
PI-01	0+985.802	900250.433	519161.273	102°04'	150.00	13.587	27.099	0.614	-
PI-02	1+045.324	900253.531	519215.686	180°54'	100.00	15.986	31.846	1.285	-
PI-03	1+122.237	900258.754	519277.171						

 DIRECTORATE GENERAL OF HIGHWAY MINISTRY OF PUBLIC WORKS THE REPUBLIC OF INDONESIA	 JAPAN INTERNATIONAL COOPERATION AGENCY	 KATAHIRA & ENGINEERS INTERNATIONAL	THE BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN THE PROVINCE OF NUSA TENGARA-2 IN THE REPUBLIC OF INDONESIA	TITLE:	SCALE:	DRAWING NO:
				BR-32 PETAIN III BRIDGE GENERAL SITE PLAN	1:600	12-1
						Rev.



NO.0+995.0000

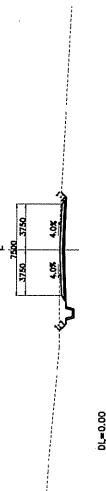
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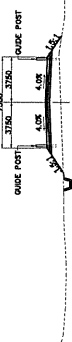
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G



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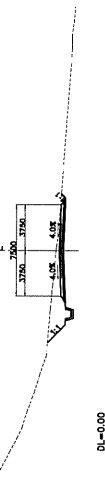
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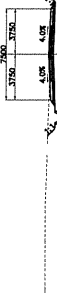
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DL=0.00

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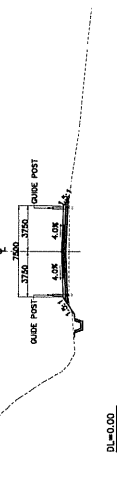
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PH=3.71
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DL=0.00

NO.1+040.0000

GH=4.00
PH=4.80
G



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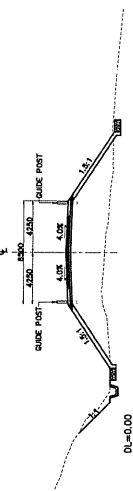
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DIRECTORATE GENERAL OF HIGHWAY
MINISTRY OF PUBLIC WORKS
THE REPUBLIC OF INDONESIA



JAPAN INTERNATIONAL COOPERATION AGENCY



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THE BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN THE PROVINCE
OF NUSA TENGGARA BARAT, PHASE-2
IN THE REPUBLIC OF INDONESIA

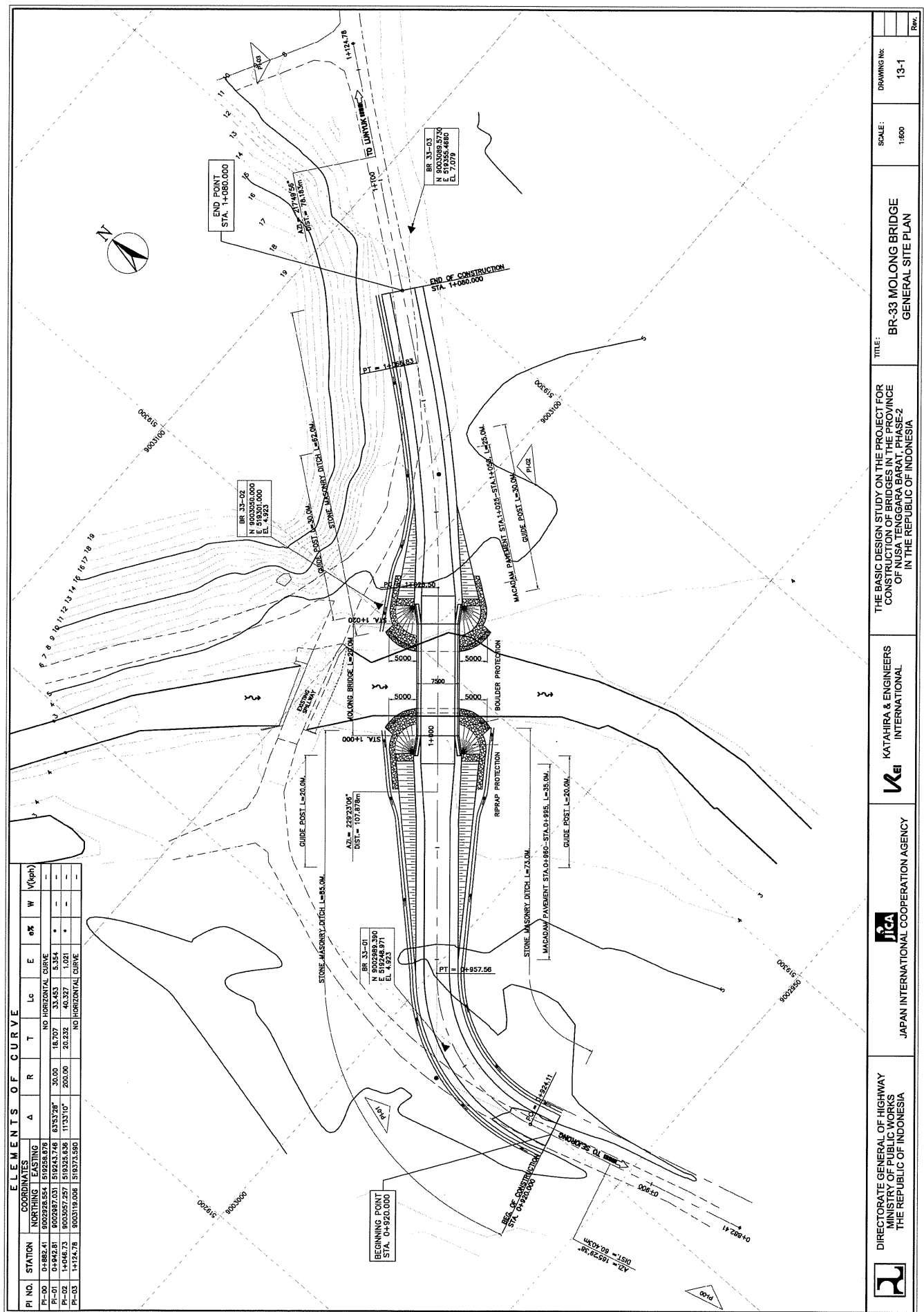
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BR-32 PETAIN III BRIDGE
APPROACH ROAD CROSS SECTIONS

SCALE:
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DRAWING No:
12-6

Rev.

BR-33 MOLONG BRIDGE



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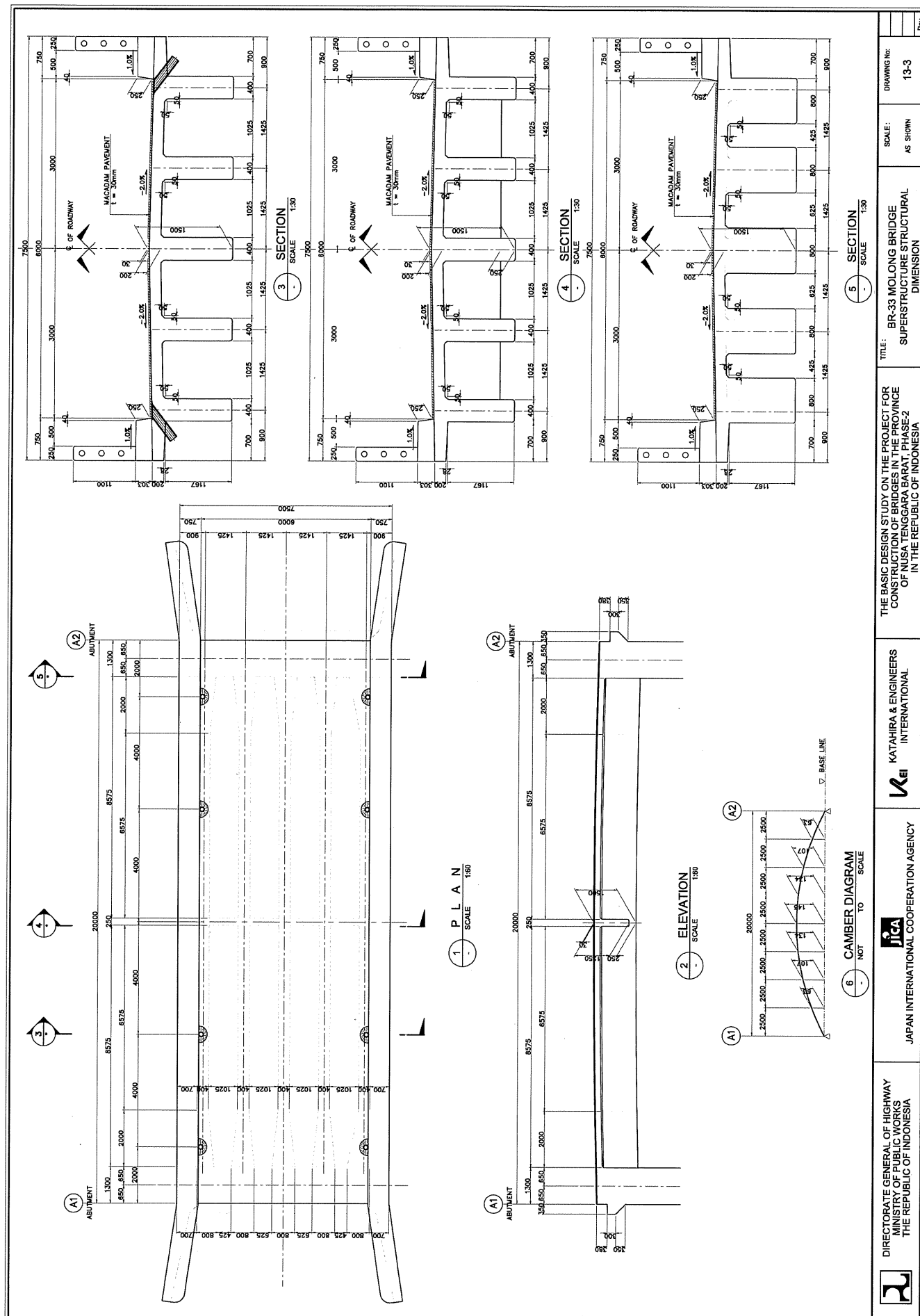
THE BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN THE PROVINCE
OF NUSA TENGARA BARAT, PHASE-2
IN THE REPUBLIC OF INDONESIA

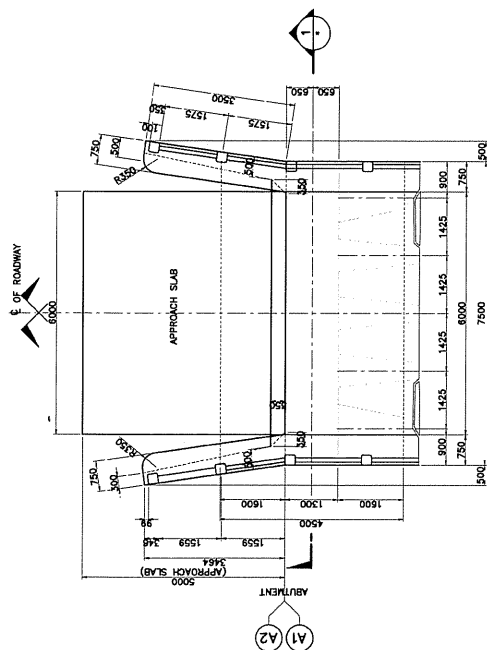
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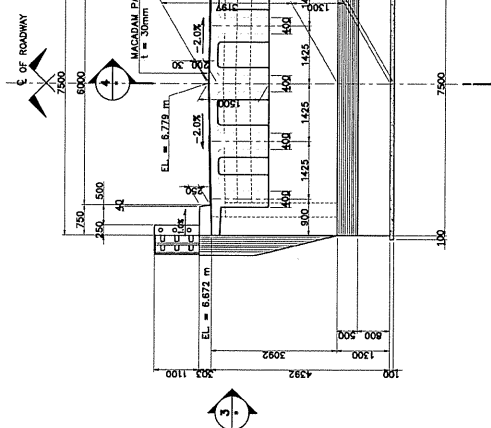
DRAWING NO:
13-1

Rev.

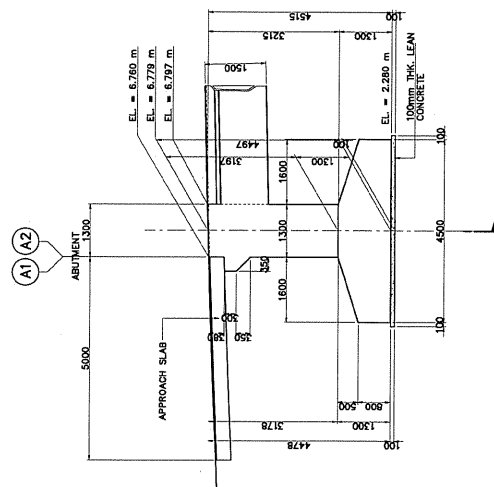




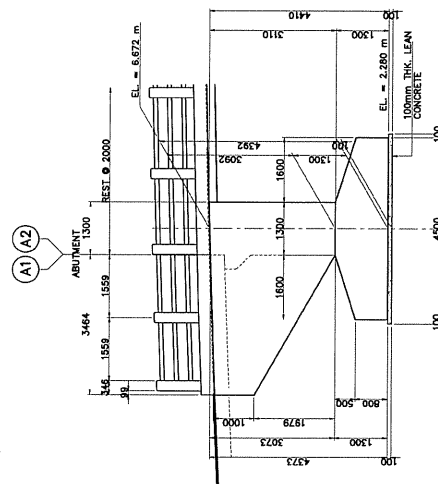
2 PLAN
SCALE 1:50



1 ELEVATION
SCALE 1:50

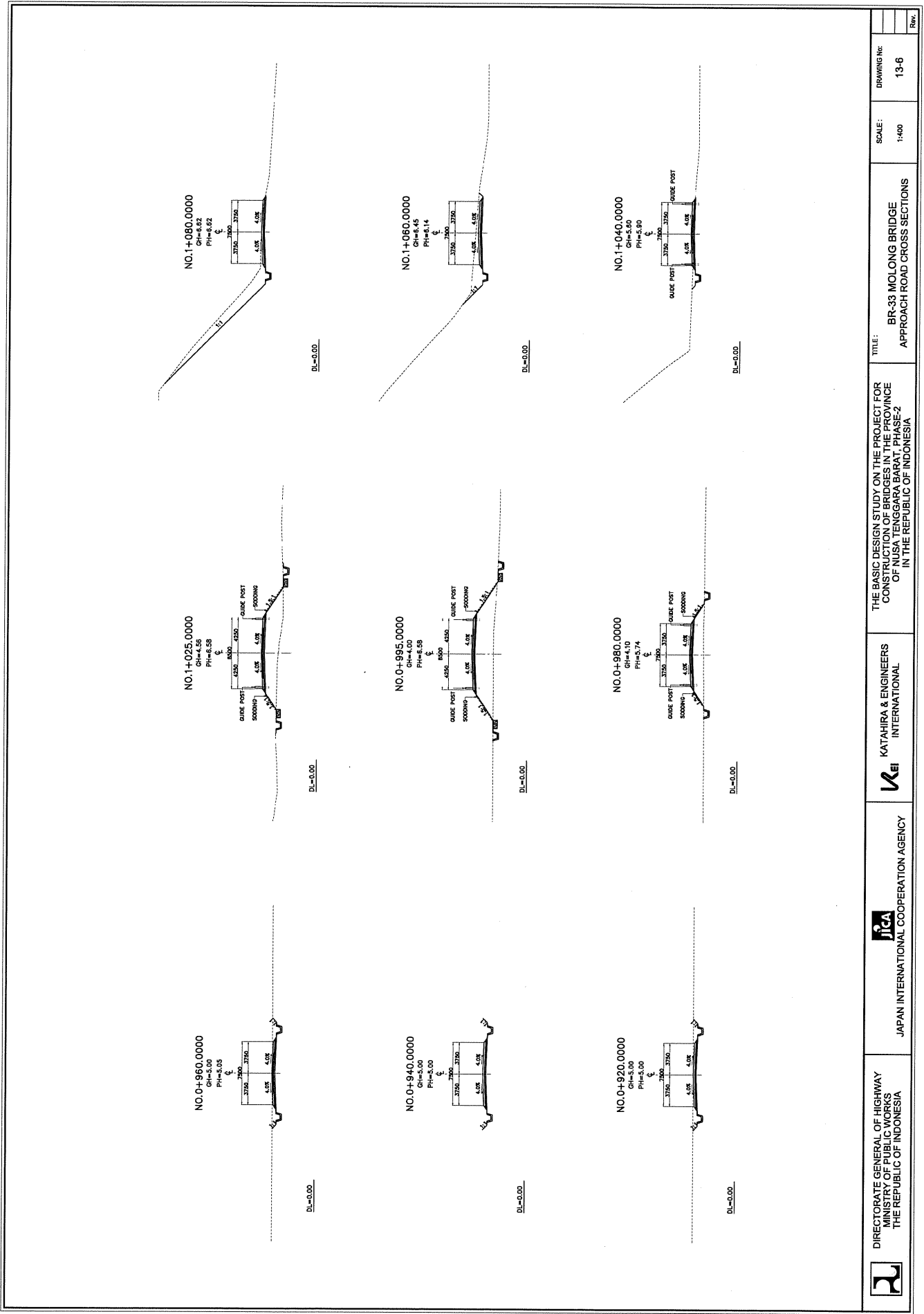


4 ELEVATION
SCALE 1:50



3 ELEVATION
SCALE 1:50

	DIRECTORATE GENERAL OF HIGHWAY MINISTRY OF PUBLIC WORKS THE REPUBLIC OF INDONESIA	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	KATAHIRA & ENGINEERS INTERNATIONAL	THE BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGE IN THE PROVINCE OF NUSA TENGGARA BARAT PHASE-2 IN THE REPUBLIC OF INDONESIA	TITLE: BR-33 MOLONG BRIDGE SUBSTRUCTURE STRUCTURAL DIMENSION (ABUT. A1 AND A2)	SCALE: AS SHOWN	DRAWING No: 13-4	Rev.
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TITLE:
BR-33 MOLONG BRIDGE
APPROACH ROAD CROSS SECTIONS

SCALE:
1:400

DRAWING NO:
13-6

Rev.