

REPUBLIC OF INDONESIA

REPORT  
ON  
DETAILED DESIGN  
OF  
NEW RAILWAY LINE FOR CENGKARENG AIRPORT

APPENDIX (DRAWINGS)

AUGUST 1984

JAPAN INTERNATIONAL COOPERATION AGENCY  
(JICA)

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REPUBLIC OF INDONESIA

**REPORT  
ON  
DETAILED DESIGN  
OF  
NEW RAILWAY LINE FOR CENGKARENG AIRPORT**

APPENDIX (DRAWINGS)

AUGUST 1984

**JAPAN INTERNATIONAL COOPERATION AGENCY  
(JICA)**

APPROVED BY THE BOARD

CONTROL

AND

RECORDS MAINTAINED

IN

THE OFFICE OF THE SECRETARY GENERAL

UNITED NATIONS

国際協力事業団	
受入 月日 '84.11.16	L108
登録No. 10853	61.6 SDF

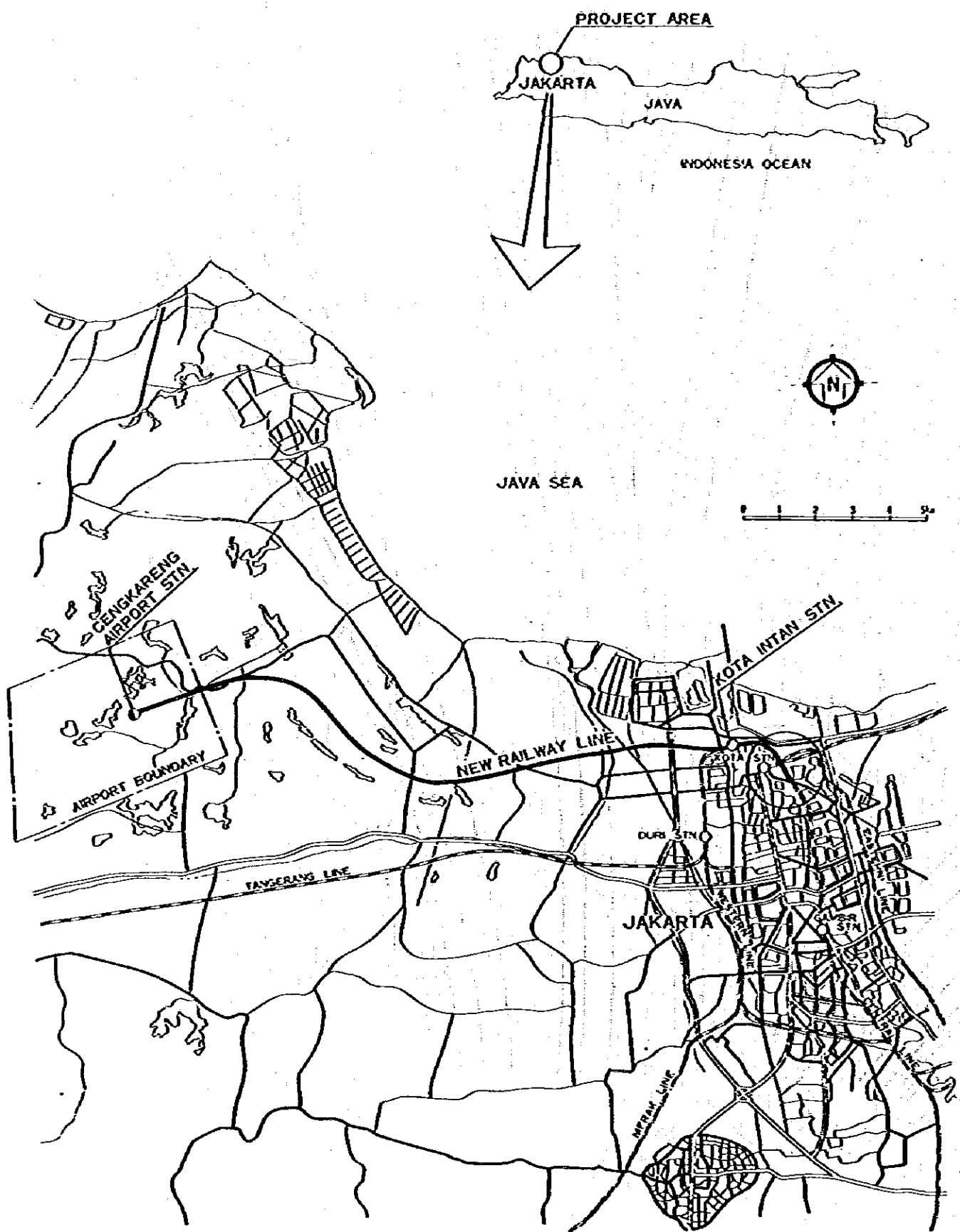
登録

UNITED NATIONS INTERNATIONAL DEVELOPMENT ASSOCIATION

(ASIU)

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020	— DO — (SHEET 2 OF 3)		
021	— DO — (SHEET 3 OF 3)		



GENERAL ABBREVIATIONS

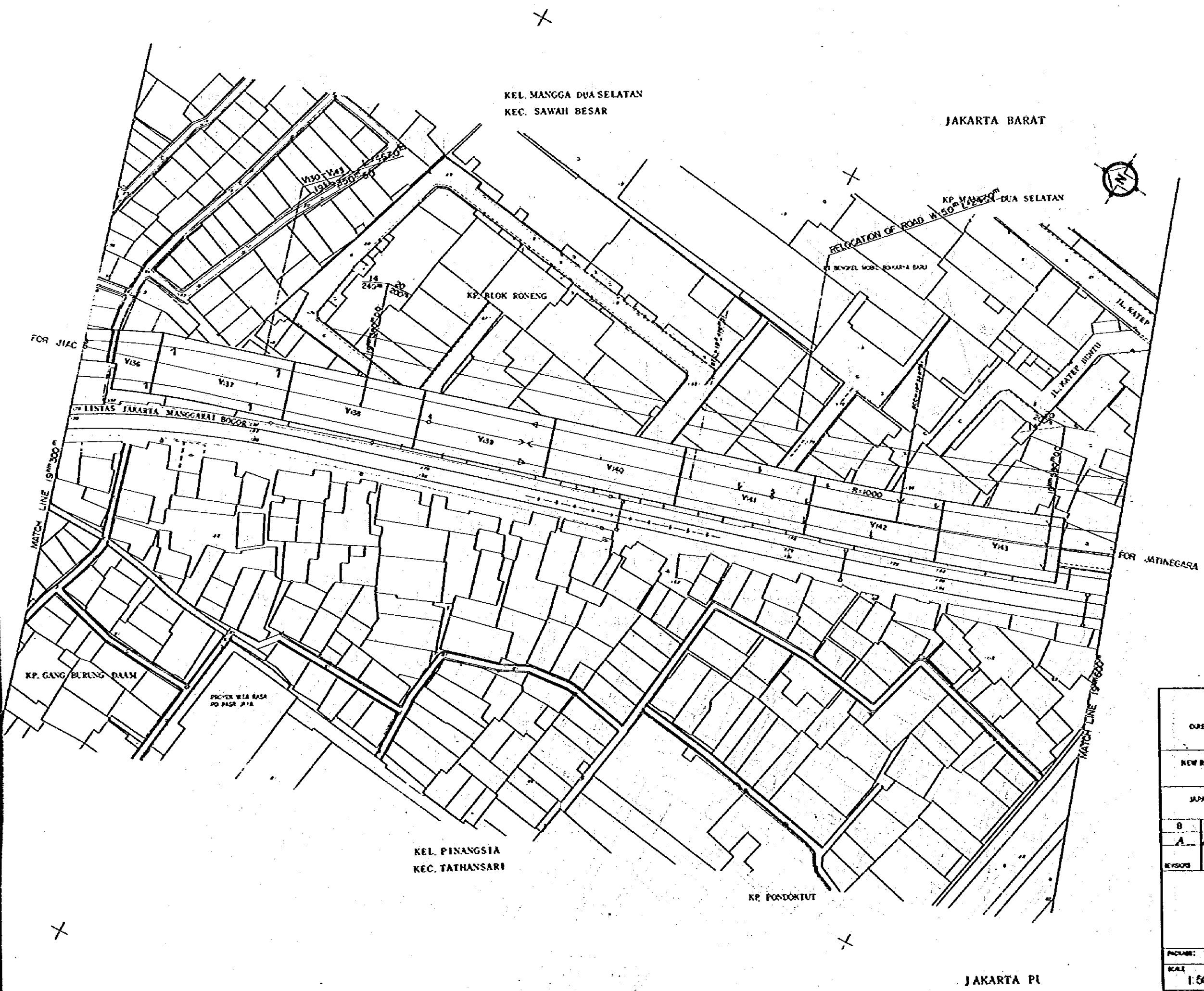
- AB1 ABUTMENT NO. 1
- B01 BRIDGE NO. 1
- B&I BOX CULVERT NO. 1
- D.L. DATUM LINE
- EL. ELEVATION
- F.L. FORMATION LEVEL
- G.L. GROUND LEVEL
- I.E. INVERT ELEVATION
- JIAC. JAKARTA INTERNATIONAL AIRPORT CENKARENG
- J. JALAN (STREET)
- LC1 LEVEL CROSSING NO. 1
- P01 PIER NO. 1
- PC01 PRESTRESSED CONCRETE GIRDER NO. 01
- RC01 REINFORCED CONCRETE GIRDER NO. 01
- RCP1 REINFORCED CONCRETE PLATFORM GIRDER NO. 1
- RENF. REINFORCEMENT
- R.L. RAIL LEVEL
- R.O.W. RIGHT-OF-WAY
- STN. STATION
- T. TIMUR (EAST)
- U. UTARA (NORTH)
- UI U SHAPED RETAINING WALL NO. 1
- V001 VIADUCT NO. 001
- VPI VIADUCT PLATFORM NO. 1
- WI RETAINING WALL NO. 1

ABBREVIATIONS ON CURVE PARAMETERS

- B.C. BEGINNING POINT OF CURVE
- B.C.C. BEGINNING OF CIRCULAR CURVE
- B.T.C. BEGINNING OF TRANSITION CURVE
- C.C.L. CIRCULAR CURVE LENGTH
- C.L. TOTAL CURVE LENGTH
- E.C. END POINT OF CURVE
- E.C.C. END OF CIRCULAR CURVE
- E.T.C. END OF TRANSITION CURVE
- I.A. INTERSECTION ANGLE
- I.P. INTERSECTION POINT
- R. RADIUS OF CURVE
- T.C.L. TRANSITION CURVE LENGTH
- T.L. TANGENT LENGTH
- V.C.L. VERTICAL CURVE LENGTH

REPUBLIC OF INDONESIA MINISTRY OF COORDINATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
3	1 AUG '81	T1	T2	L1	L2	R.R.
A	1 FEB '81	T1	T2	L1	L2	R.R.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	SUBMITTED
<b>LOCATION MAP</b>						
PACKAGE:						
SCALE 1:70,000			DRAWING NO. RG-001			

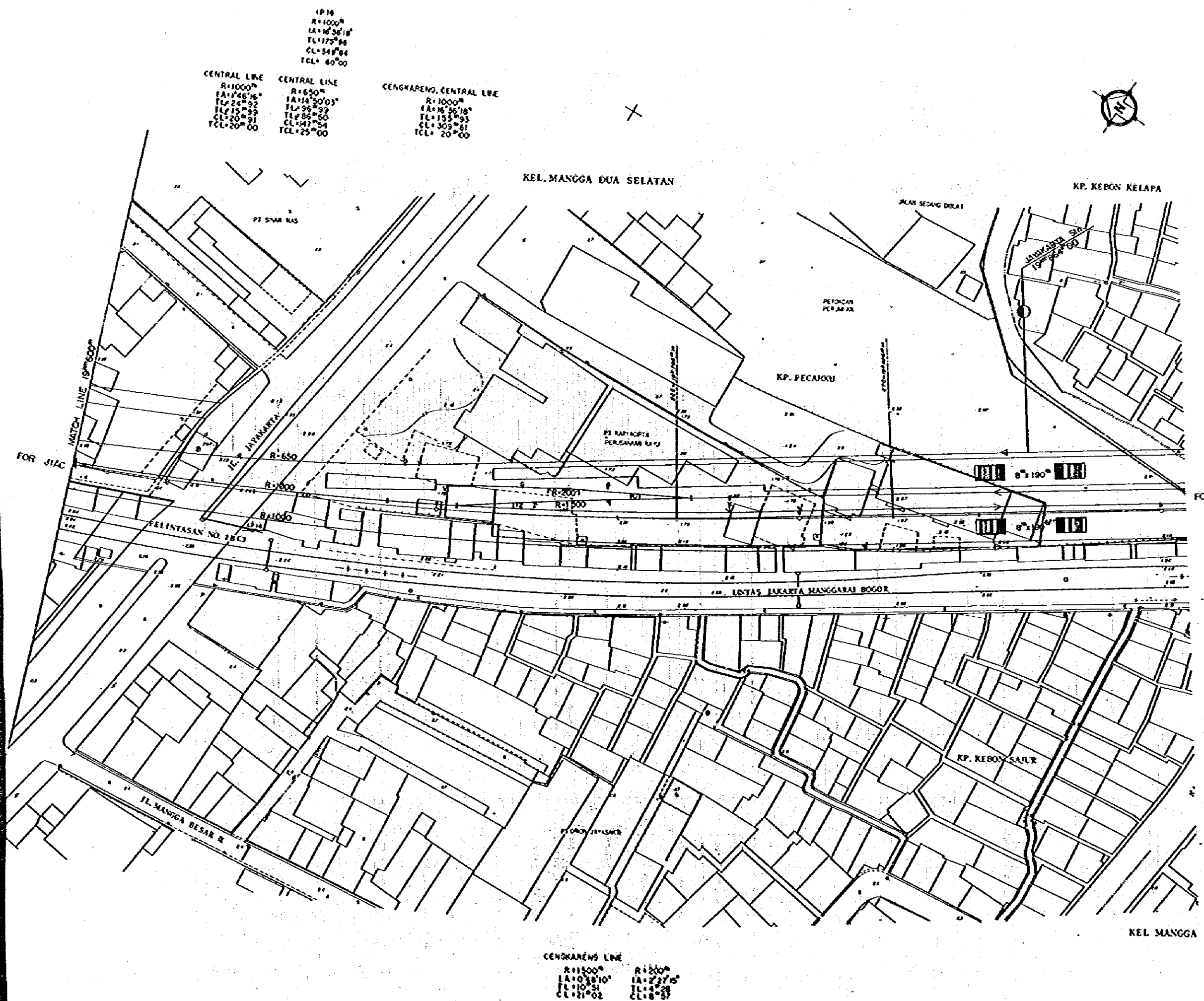




REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 1964	ZI	II	III	IV	AK
A	15 FEB. 1964	ZI	II	III	IV	AK
REVISI	DATE	REVISION	BY	CHECKED	REVIEWED	APPROVED
<b>PLAN (SHEET 2 OF 3)</b>						
DRAWING NO. 1 CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:500	RG-003					

JAKARTA PI





IP 18  
 R=1000"  
 LA=16°36'18"  
 TL=175°48"  
 CL=347°84"  
 TCL=60°00"

**CENTRAL LINE**  
 R=1000"  
 LA=146°16"  
 TL=24°32"  
 CL=20°31"  
 TCL=20°00"

**CENTRAL LINE**  
 R=650"  
 LA=14°50'03"  
 TL=96°32"  
 CL=86°50"  
 TCL=25°00"

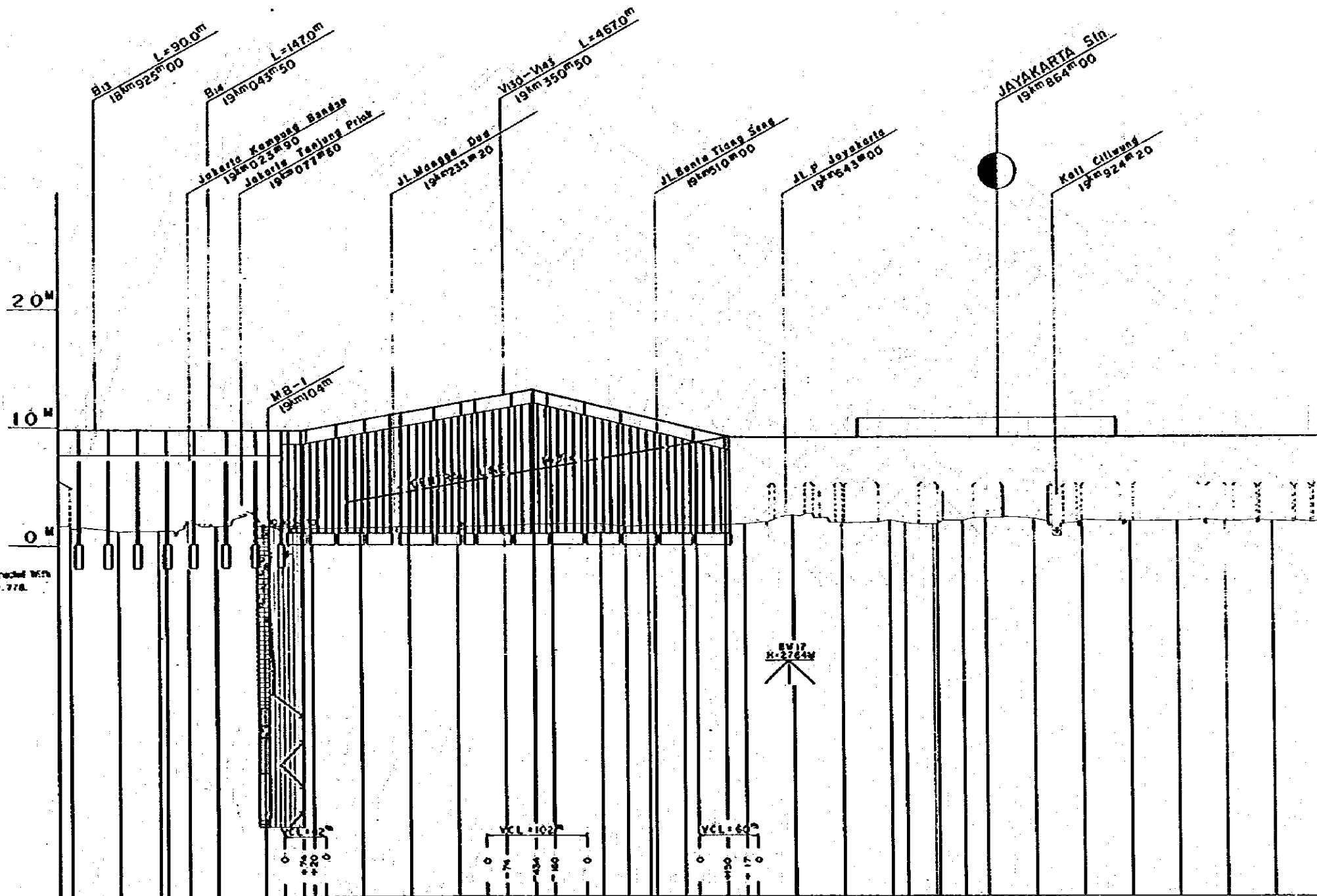
**CENKARENG, CENTRAL LINE**  
 R=1000"  
 LA=16°36'18"  
 TL=155°33"  
 CL=309°61"  
 TCL=20°00"

**CENKARENG LINE**  
 R=1500"  
 LA=10°38'10"  
 TL=110°51"  
 CL=21°02"

R=200"  
 LA=22°25"  
 TL=8°49"

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	IS	IT	AK	KM	AL
A	05 FEB. 84	IS	IT	AK	KM	AL
REVISION	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
<b>PLAN (SHEET 3 OF 3)</b>						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:500	RG-004					

Detail of Leveling to PVI Point and Connected With  
 OKI Bench Mark PP 129, 130, 131, 137, 759, 778.



GRADIENT	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>(9.30)</span> <span>14</span> <span>(12.20)</span> <span>20</span> <span>(9.20)</span> <span>L</span> </div>																											
CUTTING																												
EMBANKMENT																												
RAIL LEVEL	-	10.354	-	10.629	11.394	12.094	12.794	13.490	13.490	13.354	12.514	11.514	10.514	10.064	9.934	9.914	-	-	9.914	-	9.914							
FORMATION LEVEL	-	9.93	-	10.00	10.77	11.47	12.17	12.80	12.86	12.73	11.89	10.89	9.89	9.44	9.31	9.29	-	-	9.29	-	9.29							
GROUND LEVEL	1.02	1.10	1.77	1.88	1.99	1.43	1.48	1.91	1.85	1.68	1.50	1.30	1.08	1.08	1.70	2.00	1.78	1.69	1.97	2.20	2.16	1.76	2.01	1.91	1.08	1.95	1.90	1.96
KILOMETERAGE	19	140	2	8	380	4	9	580	6	7	8	20km	1	2														
CURVE	<div style="display: flex; justify-content: space-between;"> <span>CCC-3° 22' 22.8"</span> <span>CCC-3° 22' 22.8"</span> <span>CCC-3° 22' 22.8"</span> <span>CCC-3° 22' 22.8"</span> </div>																											

REPUBLIC OF INDONESIA  
 MINISTRY OF COMMUNICATIONS  
 DIRECTORATE GENERAL OF LAND TRANSPORT  
 AND INLAND WATERWAYS

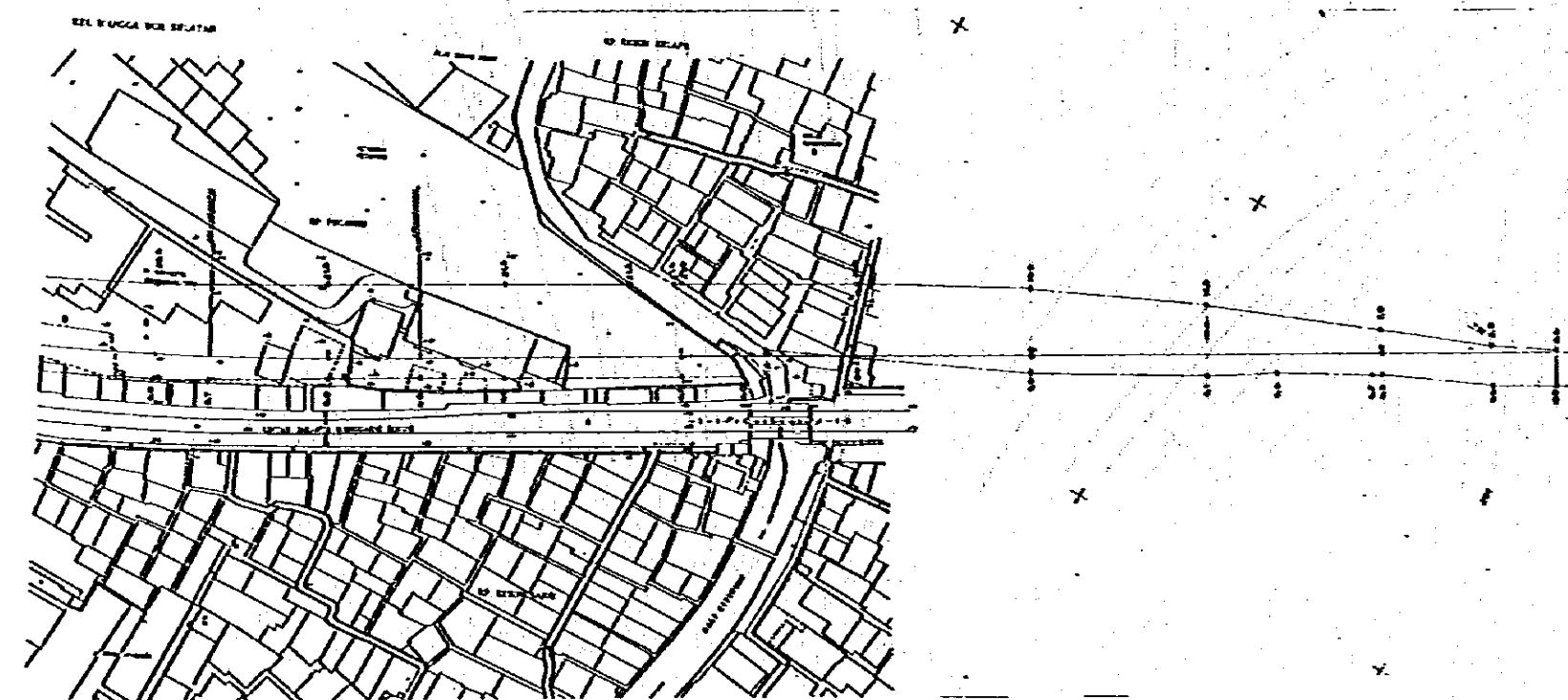
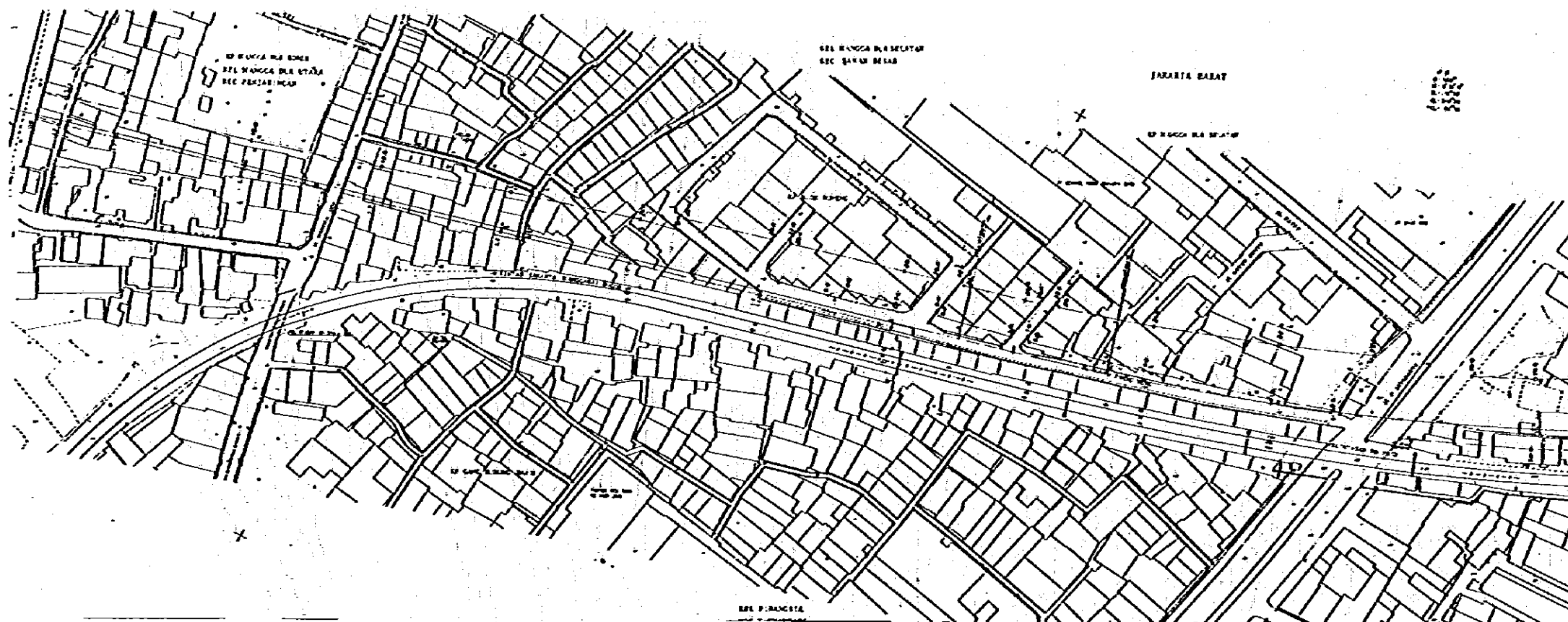
NEW RAILWAY LINE FOR CENGKARENG AIRPORT  
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY  
 (JICA)

B	1 AUG 84	YI	TI	JH	KM	AK
A	2 SEP 84	YI	TI	JH	KM	AK
REVISION	DATE	DESIGNED	CHECKED	APPROVED	REVISED	SUBMITTED

PROFILE

PROJECT: I CIVIL AND ARCHITECTURAL WORK  
 SCALE: V: 1/200 H: 1/2500 DRAWING NO: RG-005



REPUBLIC OF INDONESIA  
 MINISTRY OF COMMUNICATIONS  
 DIRECTORATE GENERAL OF LAND TRANSPORT  
 AND INLAND WATERWAYS

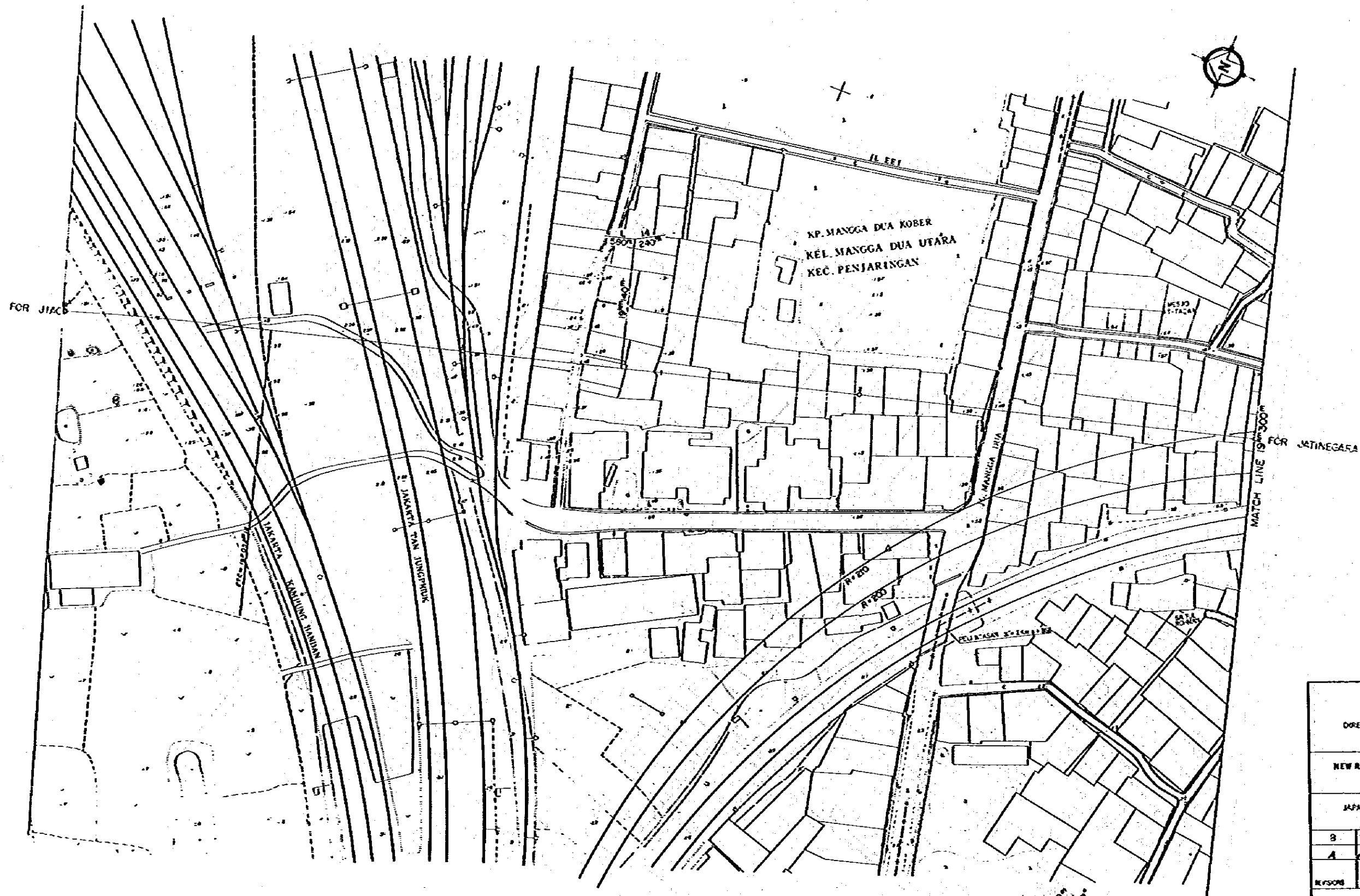
NEW RAILWAY LINE FOR CENGARENG AIRPORT  
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY  
 (JICA)

B	1 AUG '84	7.7	7.4	1.22	KM	-
A	5 FEB '84	7.7	7.4	1.22	KM	-
REVISION	DATE	DESIGNED	CHECKED	APPROVED	BY	COMMITTED

RIGHT-OF-WAY PLAN

FIGURE:  
 SCALE 1:1000      SHEET NO. RG-006



KP. MANGGA DUA KOBER  
 KEL. MANGGA DUA UTARA  
 KEC. PENJARINGAN

R = 200'  
 LA = 85° 08' 12"  
 TL = 222° 07'  
 CL = 336° 77'  
 ICL = 30° 00'

R = 200'  
 LA = 85° 08' 12"  
 TL = 212° 23'  
 CL = 341° 22'  
 ICL = 30° 00'

REPUBLIC OF INDONESIA  
 MINISTRY OF COMPLECATIONS  
 DIRECTORATE GENERAL OF LAND TRANSPORT  
 AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT  
 CONSTRUCTION PROJECT

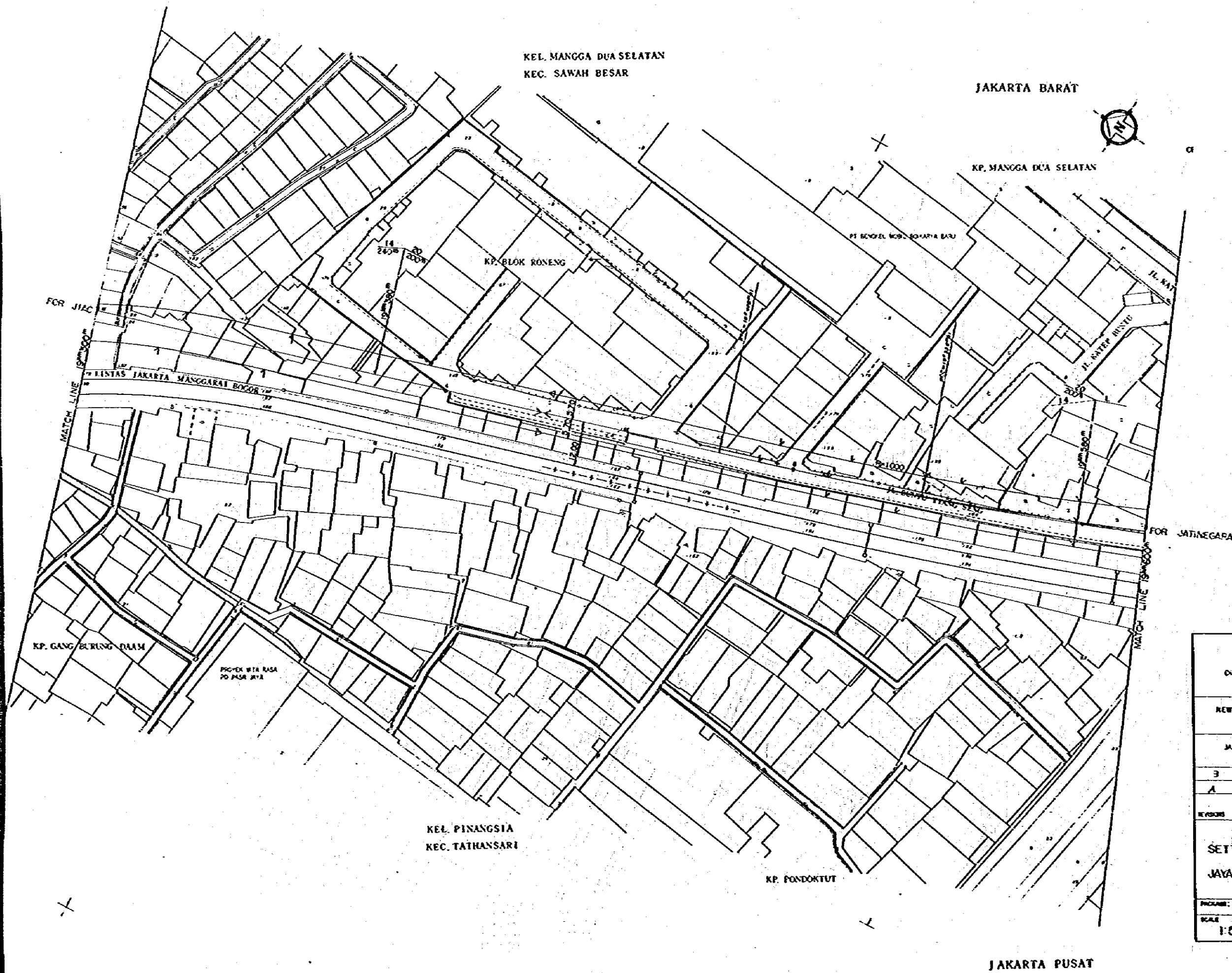
JAPAN INTERNATIONAL COOPERATION AGENCY  
 (JICA)

B	1 AUG '84	Y.I.	T.T.	I.M.	K.H.	A.K.
A	31 SEP '84	T.H.	T.T.	I.M.	K.H.	A.K.
REVISOR	DATE	REASON	BY	CHECKED	REVISED	APPROVED

SETTING OUT PLAN OF TRACKS IN  
 JAYAKARTA STATION (SHEET 1 OF 4)

PROJECT: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:500 DRAWING NO: RG-007



KEL. MANGGA DUA SELATAN  
KEC. SAWAH BESAR

JAKARTA BARAT

KP. MANGGA DUA SELATAN

KP. BLOK RONENG

PT. BENDUL MORA SOHAPRA BARU

FOR JIAC

LINTAS JAKARTA MANGGARAI BOGOR

FOR JATINEGARA

KP. GANG BURUNG DAAM

PROJEK WTA RASA  
20 MSA 2013

KEL. PINANGSIA  
KEC. TATHANSARI

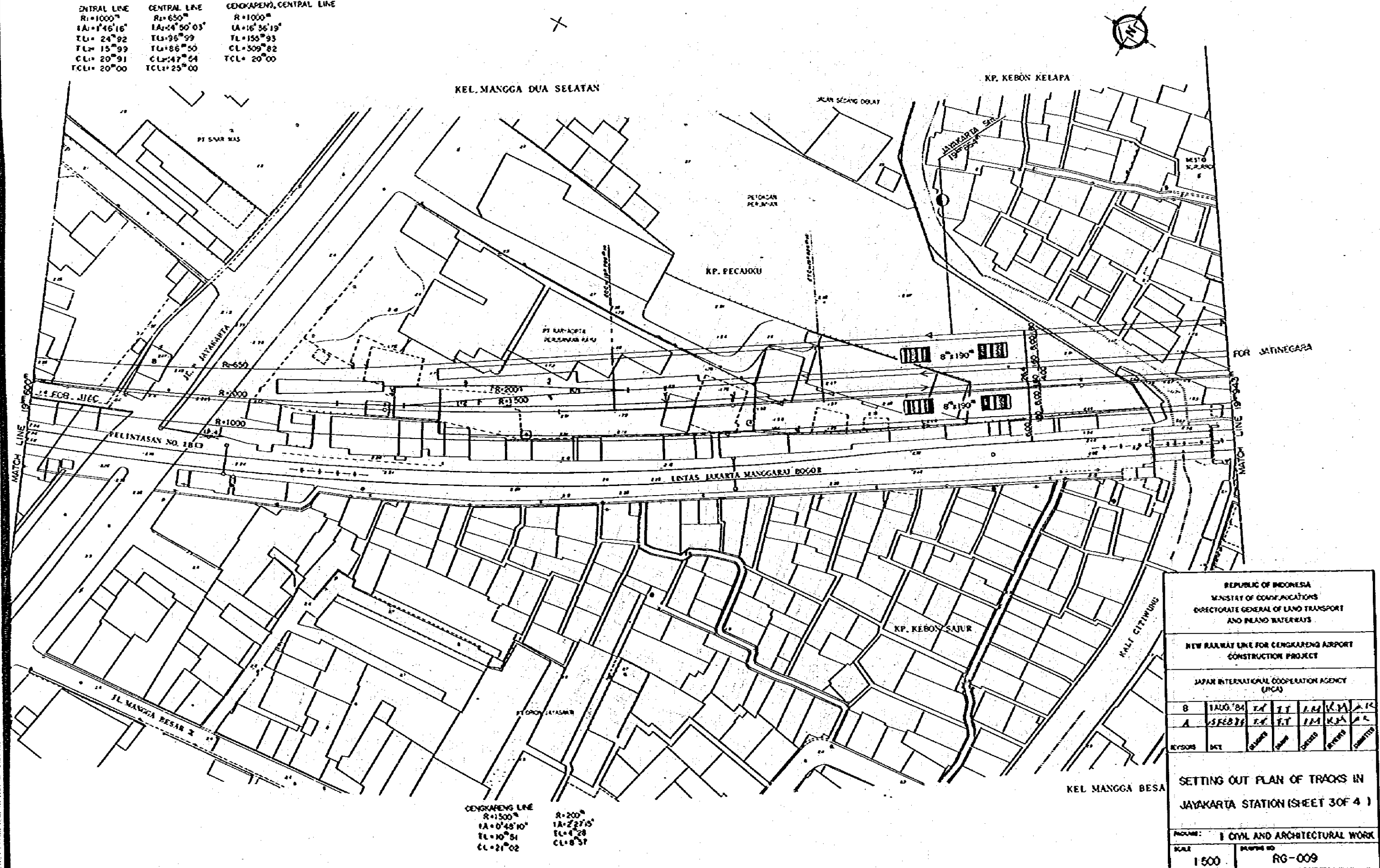
KP. PONDOKTUT

JAKARTA PUSAT

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
3	1 AUG 84	2.1	11	1.11	1.11	1.11
A	11.00	2.1	11	1.11	1.11	1.11
REVISI	NO	REVISI	NO	REVISI	NO	REVISI
SETTING OUT PLAN OF TRACKS IN JAYAKARTA STATION (SHEET 2 OF 4)						
PROJECT: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:500	RG-008					

IP14  
 R=1000"  
 LA=16°36'18"  
 TL=175°99"  
 CL=349°84"  
 TCL= 60°00"

CENTRAL LINE	CENTRAL LINE	CENKARENG, CENTRAL LINE
R=1000"	R=650"	R=1000"
LA=1°46'16"	LA=24°50'03"	LA=16°36'19"
TL= 24°92"	TL=96°99"	TL=155°93"
TL= 15°99"	TL=86°50"	CL=309°82"
CL= 20°91"	CL=47°54"	TCL= 20°00"
TCL= 20°00"	TCL=25°00"	



CENKARENG LINE  
 R=1500"  
 LA=0°45'10"  
 TL=10°51"  
 CL=21°02"

R=200"  
 LA=22°15"  
 TL=6°28"  
 CL=8°37"

REPUBLIC OF INDONESIA  
 MINISTRY OF COMMUNICATIONS  
 DIRECTORATE GENERAL OF LAND TRANSPORT  
 AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENKARENG AIRPORT  
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY  
 (JICA)

B	1 AUG '84	14	11	14	14	14
A	1 FEB '86	14	11	14	14	14

REVISIONS

NO	DATE	REASON	BY	CHECKED	APPROVED	DATE

SETTING OUT PLAN OF TRACKS IN  
 JAYAKARTA STATION (SHEET 3 OF 4)

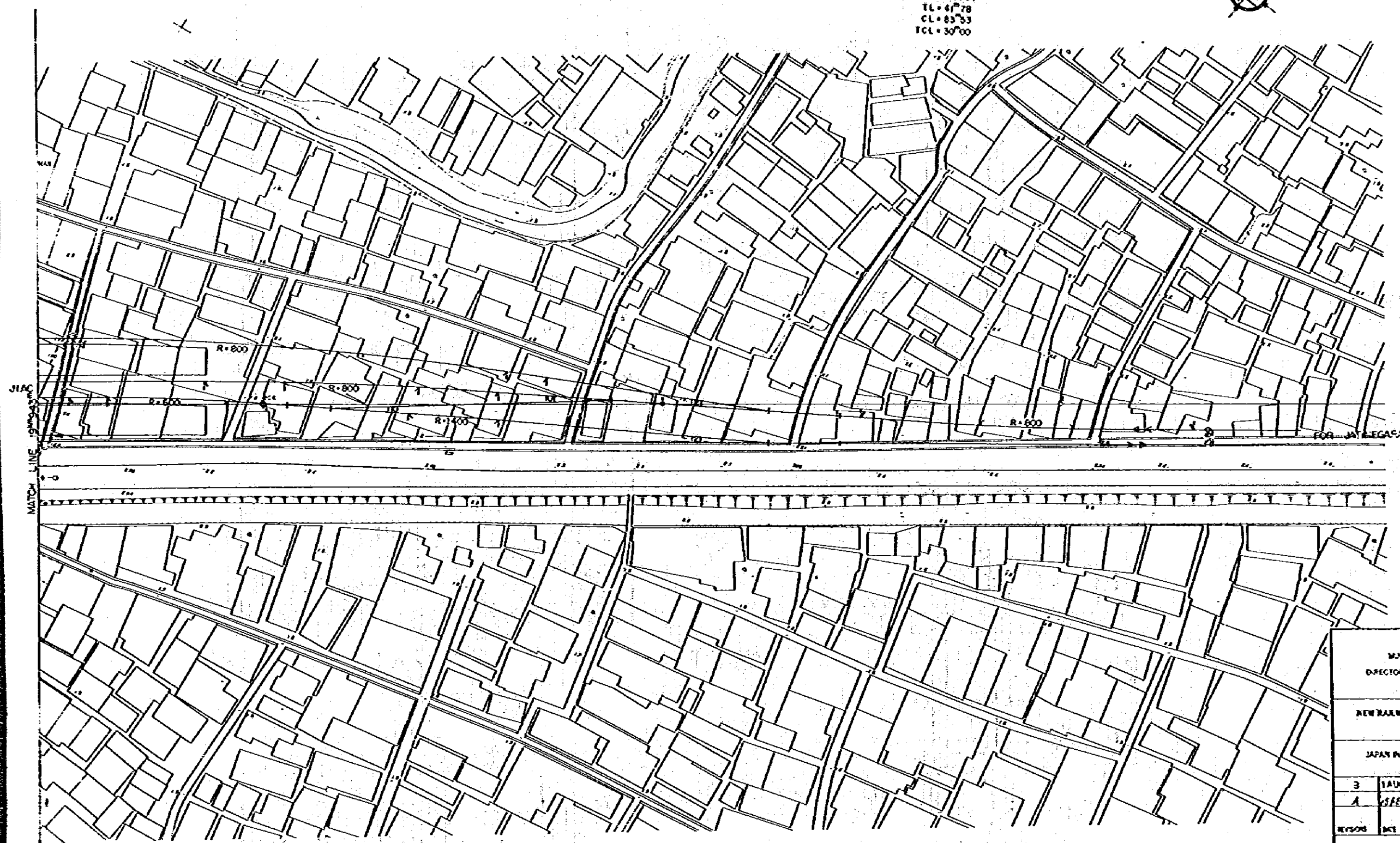
PROJECT: CIVIL AND ARCHITECTURAL WORK

SCALE: 1:500

DRAWING NO: RG-009

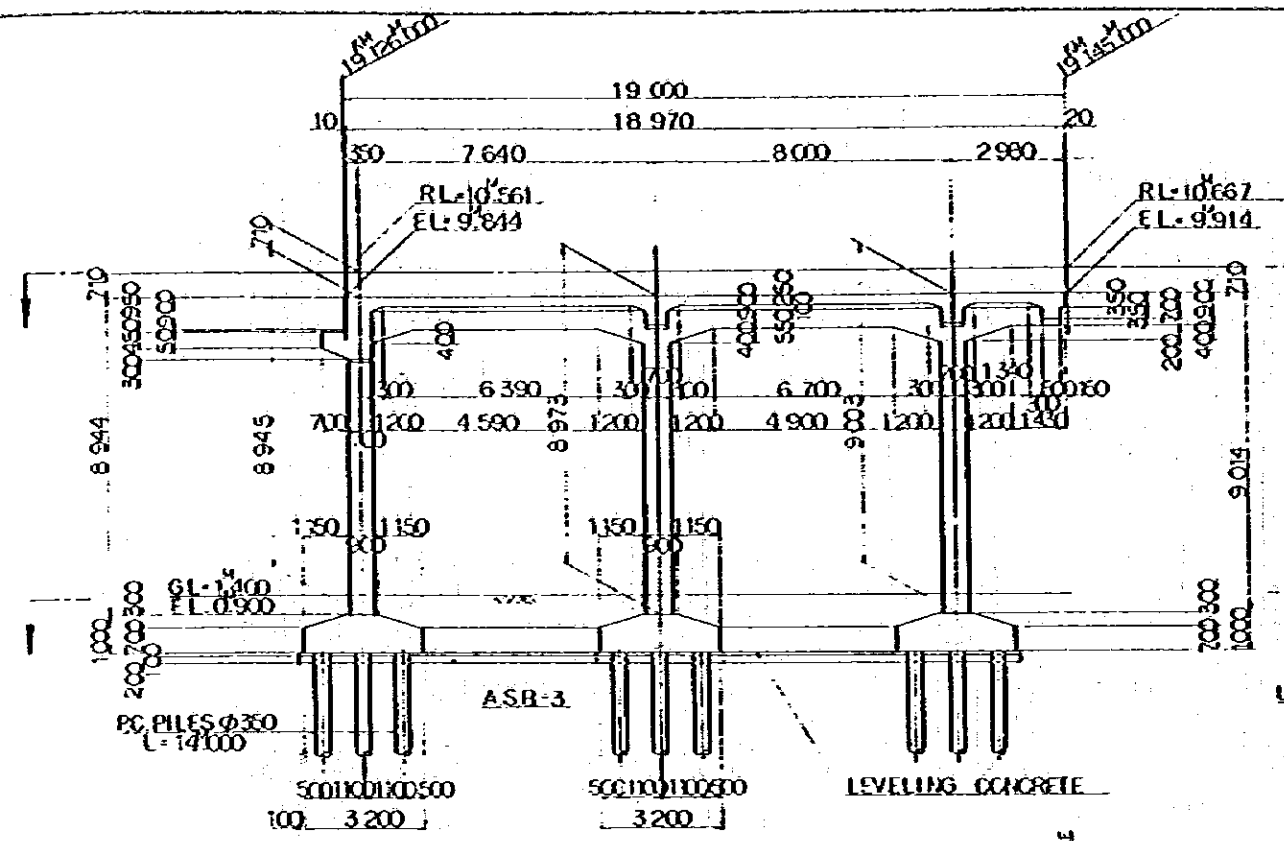


R = 800<sup>m</sup>  
 IA = 3°50'00"  
 TL = 41°78"  
 CL = 83°53"  
 TCL = 30°00"

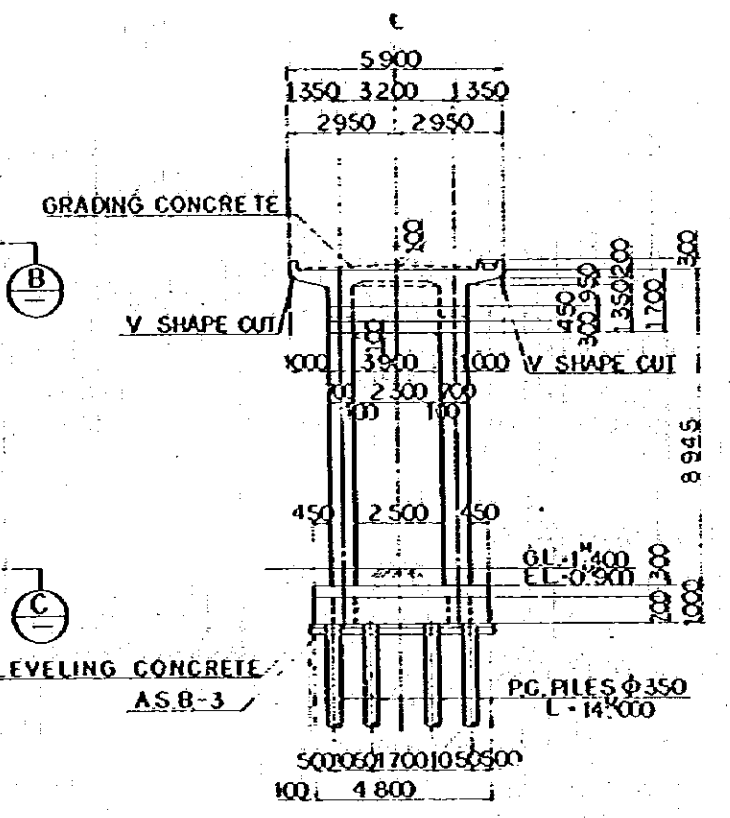


CENTRAL LINE	CENKARENG LINE	CENKARENG LINE	CENKARENG LINE
R = 800 <sup>m</sup>	R = 800 <sup>m</sup>	R = 600 <sup>m</sup>	R = 1400 <sup>m</sup>
IA = 8°35'43"	IA = 3°50'00"	IA = 3°50'00"	IA = 0°50'49"
TL = 65°13"	TL = 36°77"	TL = 25°08"	TL = 11°37"
CL = 130°04"	CL = 73°52"	CL = 50°14"	CL = 22°73"
TCL = 10°00"	TCL = 20°00"	TCL = 10°00"	

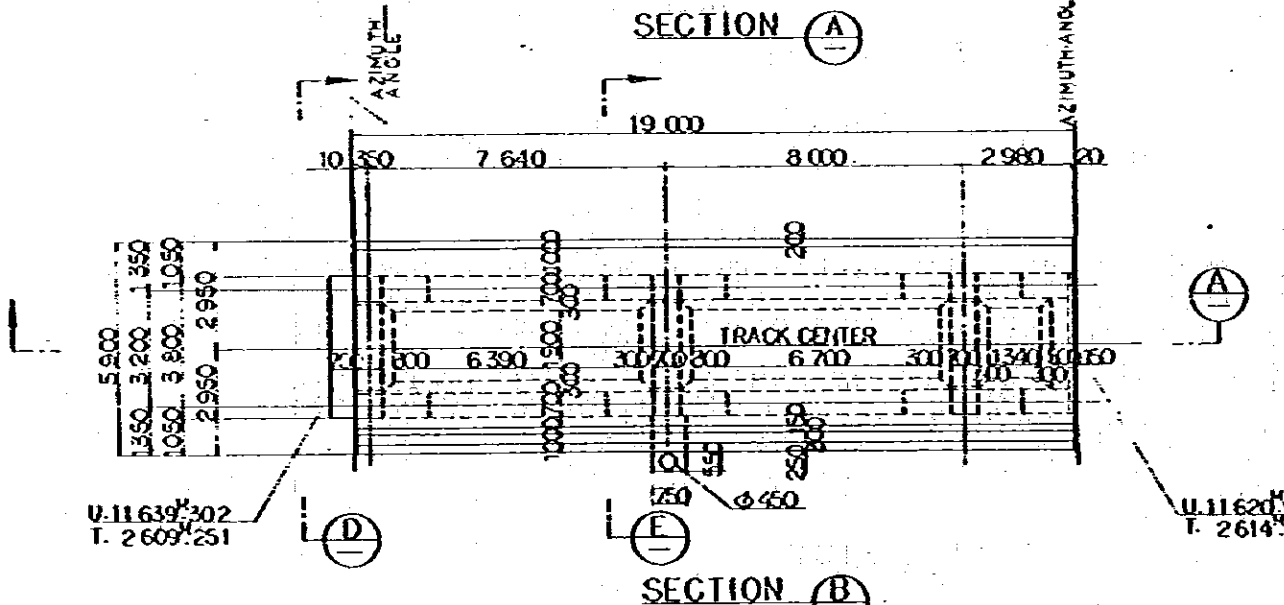
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
3	1 AUG 76	Y.A.	Y.T.	I.H.	K.S.	K.K.
A	1 FEB 78	Y.A.	Y.T.	I.H.	K.S.	K.K.
REVISIONS	DATE	REVISION	BY	CHECKED	APPROVED	DATE
SETTING OUT PLAN OF TRACKS IN JAKARTA STATION (SHEET 4 OF 4)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:500	RG-010					



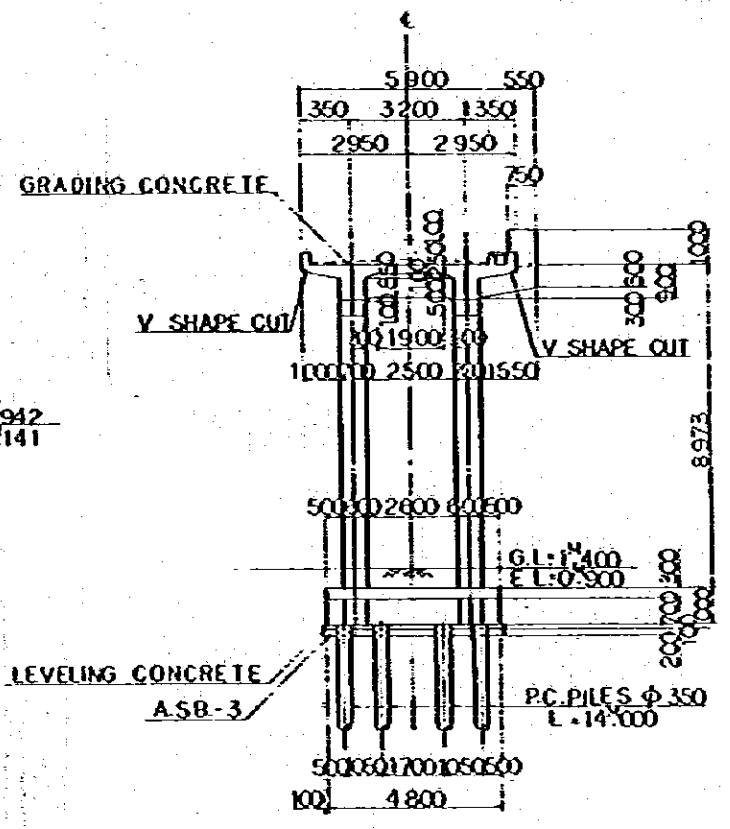
SECTION A



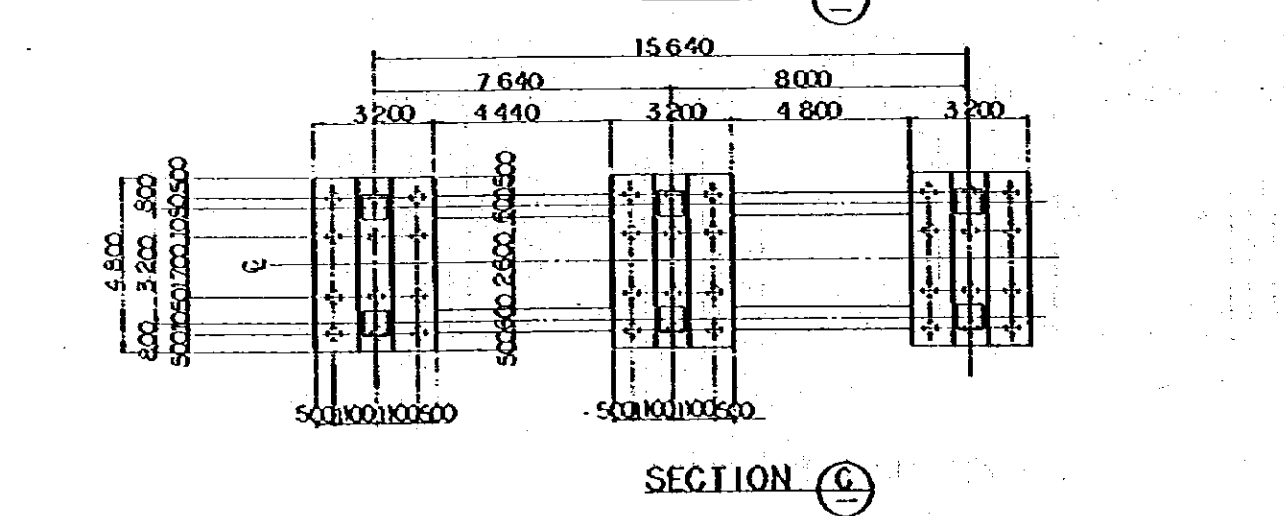
SECTION B



SECTION C

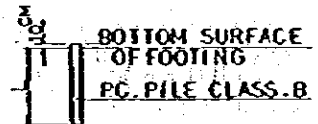


SECTION D



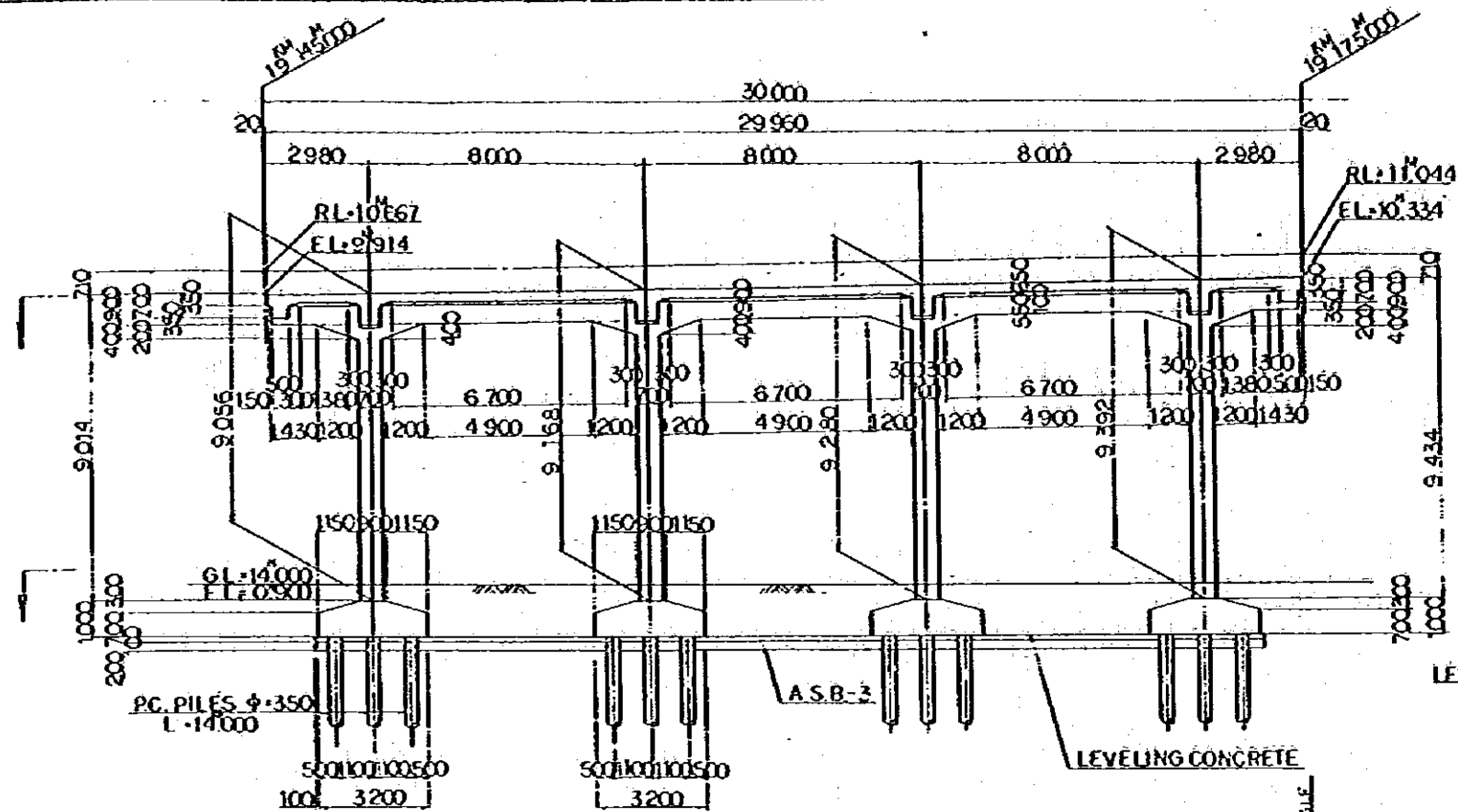
SECTION E

NOTES:

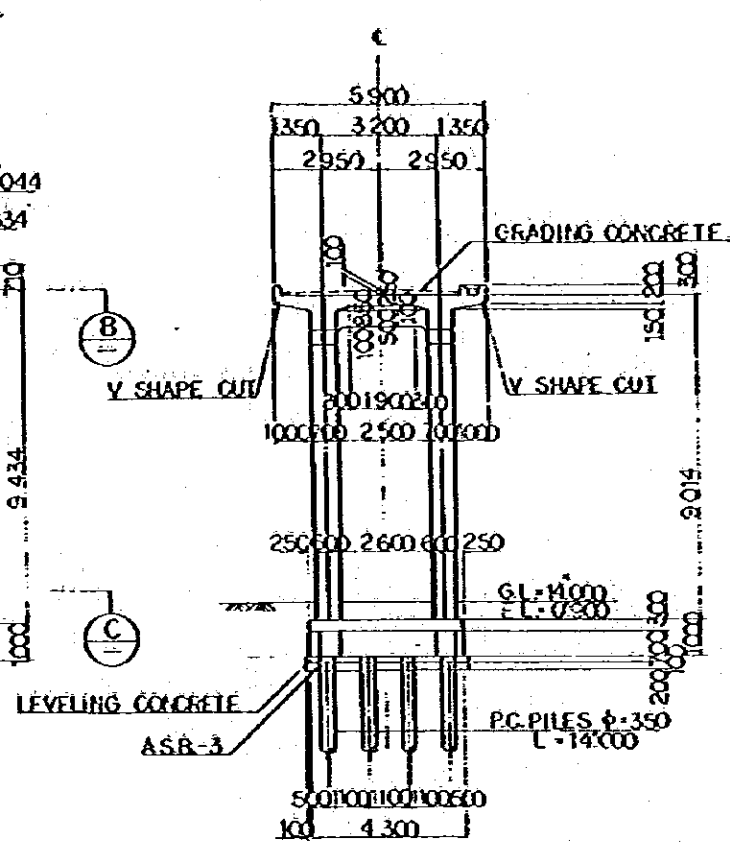
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. TYPES OF PC PILE  

3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENSKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG '84	K. I. S. O.	K. K. K. I.	K. K. K. I.	K. K. K. I.
A	1984	K. I. S. O.	K. K. K. I.	K. K. K. I.	K. K. K. I.
REVISION	DATE	DESIGNED	CHECKED	APPROVED	DATE
VIADUCT V130 GENERAL VIEW					
PROJECT: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-001			

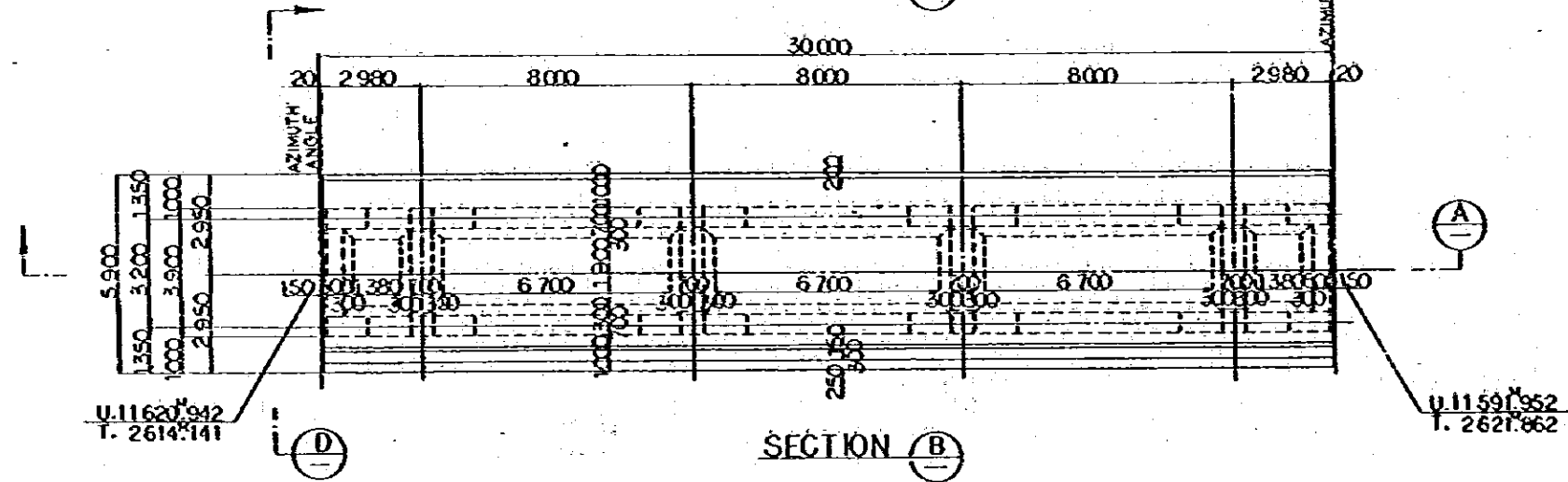




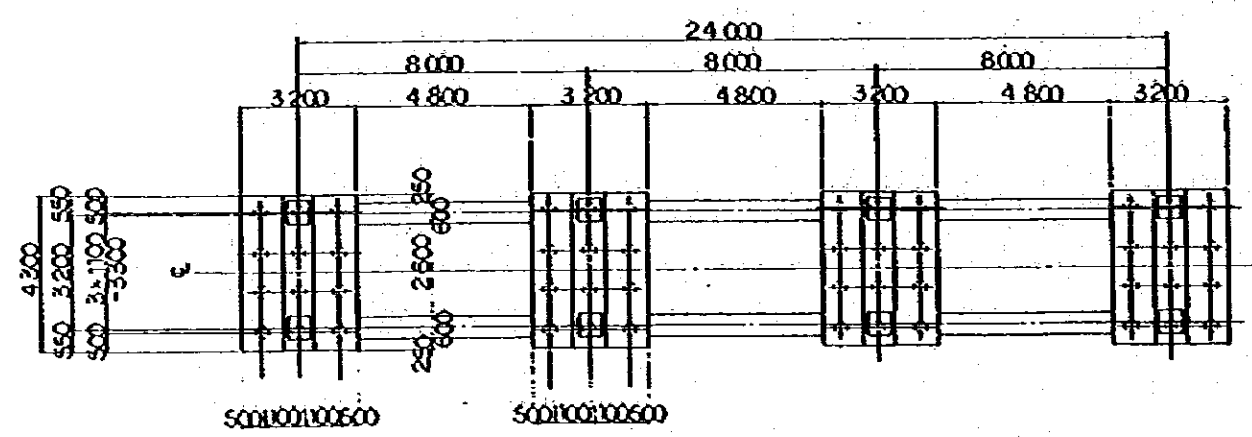
SECTION (A)



SECTION (D)



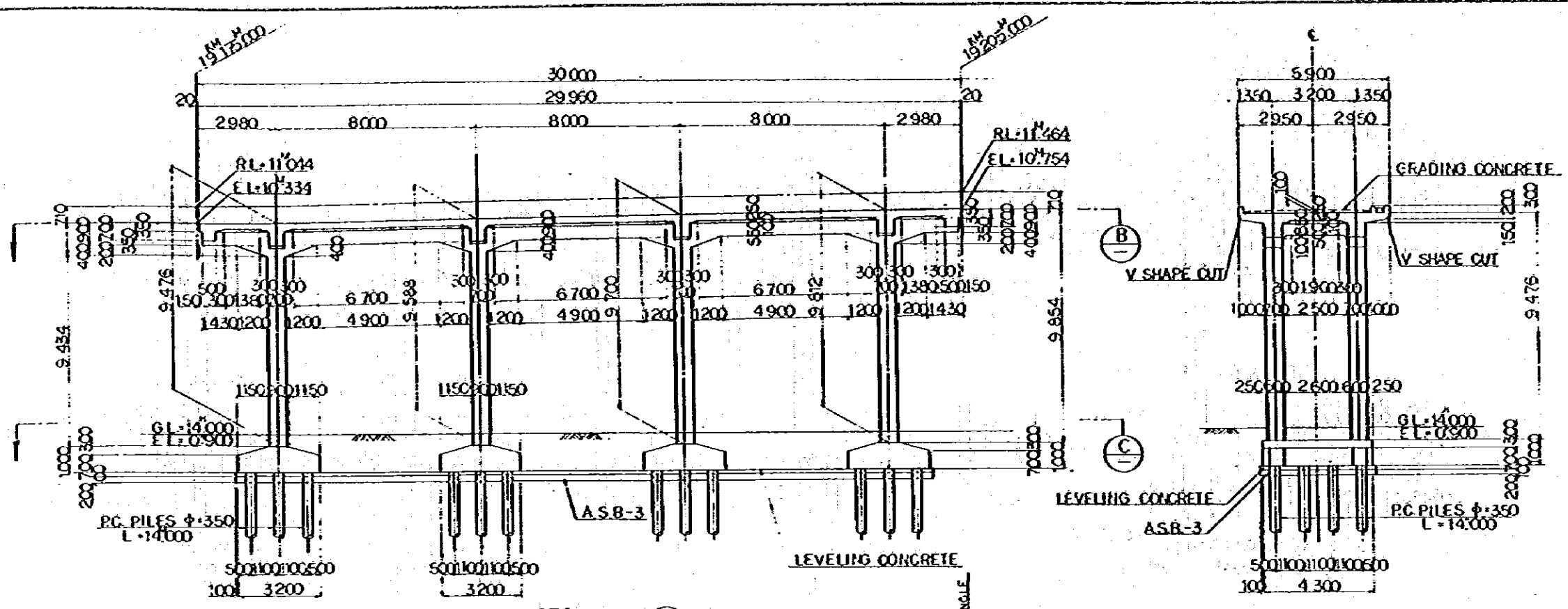
SECTION (B)



SECTION (C)

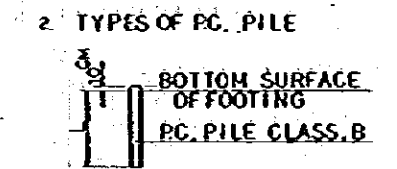
- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  2. TYPES OF PC. PILE
    -
  3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKUREN2 AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	AUG.84	KI	AK	AK	AK
A		AK	AK	AK	AK
REVISION	DATE	DESIGNED	CHECKED	APPROVED	COMMITTED
<b>VIADUCT VI31</b> <b>GENERAL VIEW</b>					
PROJECT: I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO.				
1:100	RS-002				

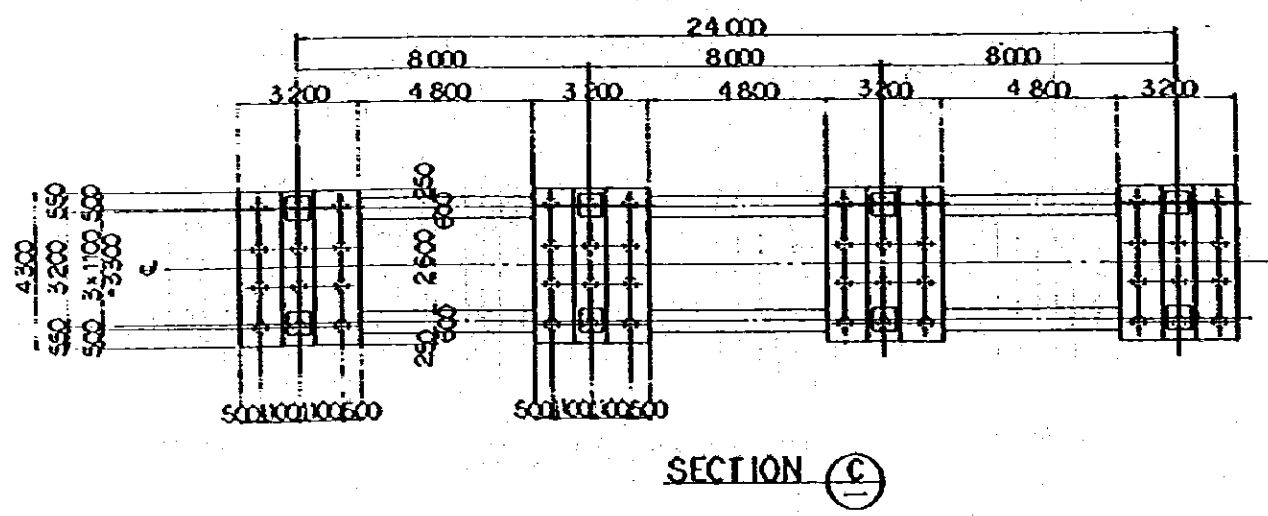
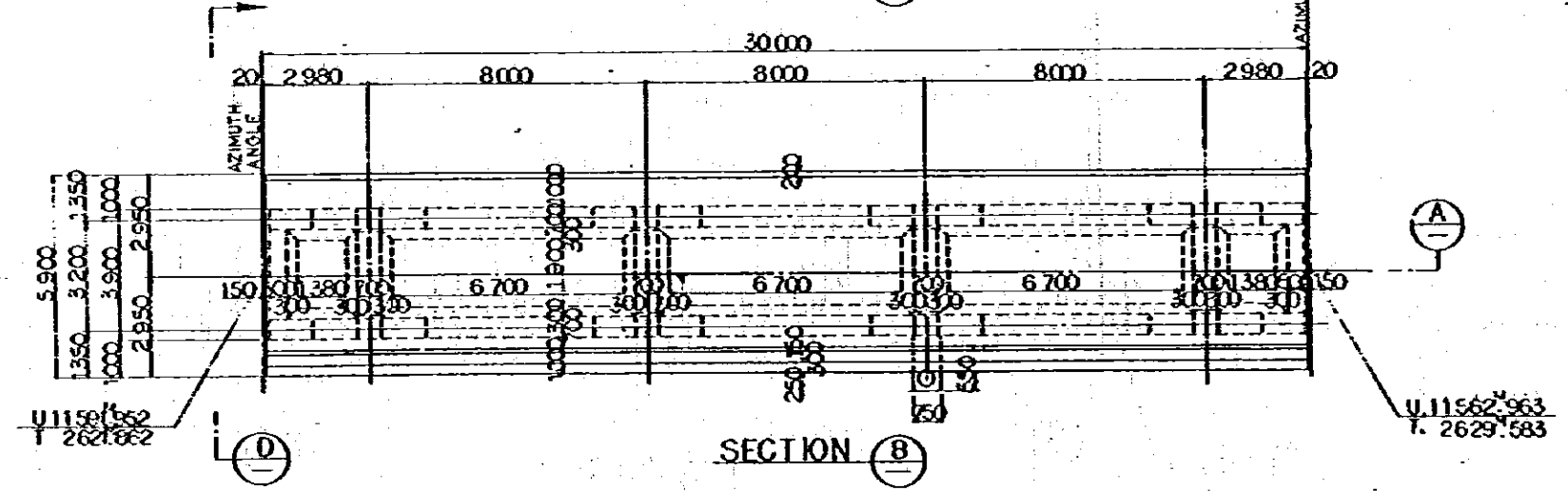


NOTES:

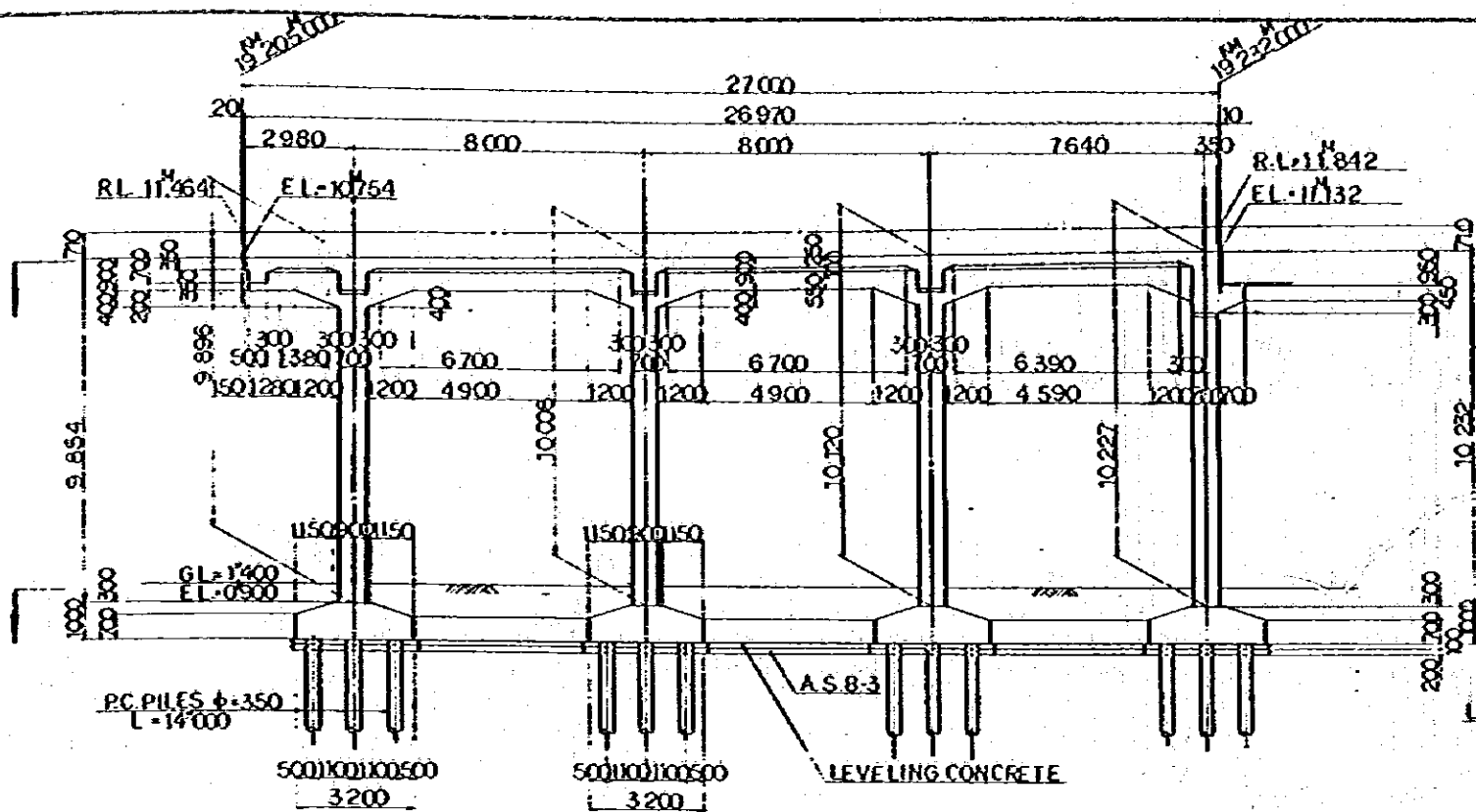
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED



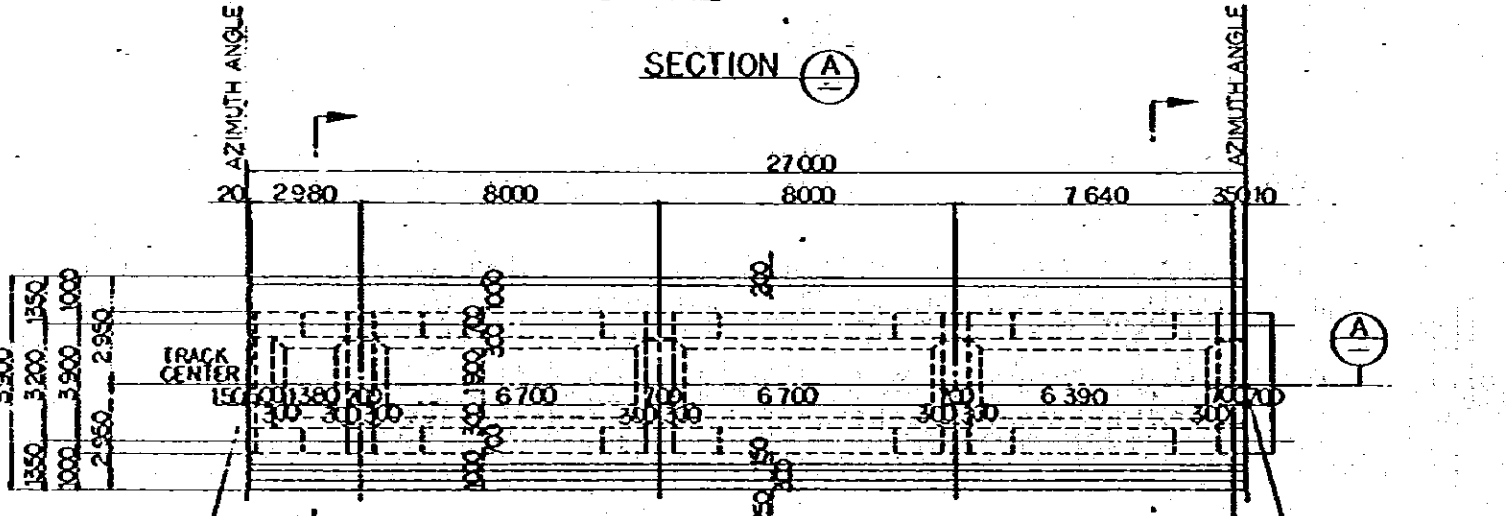
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE



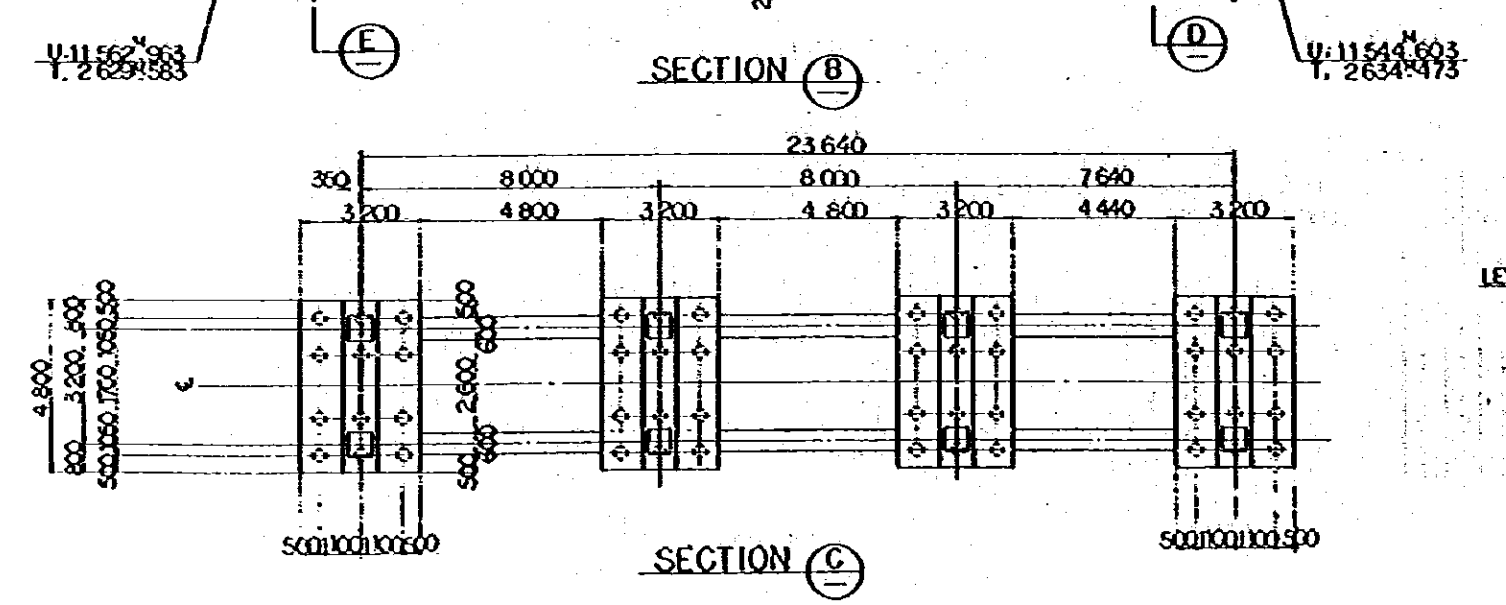
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CONGARANG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
S	1 AUG 78	K	A	K	K	M
A						
REVISION	DATE	REASON	BY	CHECKED	DESIGNED	APPROVED
VIADUCT V132 GENERAL VIEW						
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:100	RS-003					



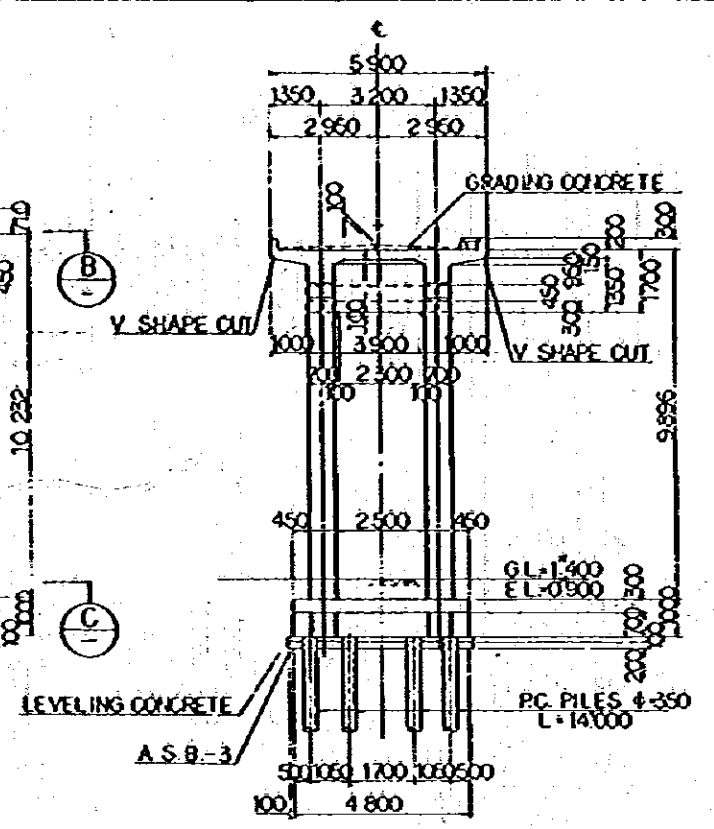
SECTION A



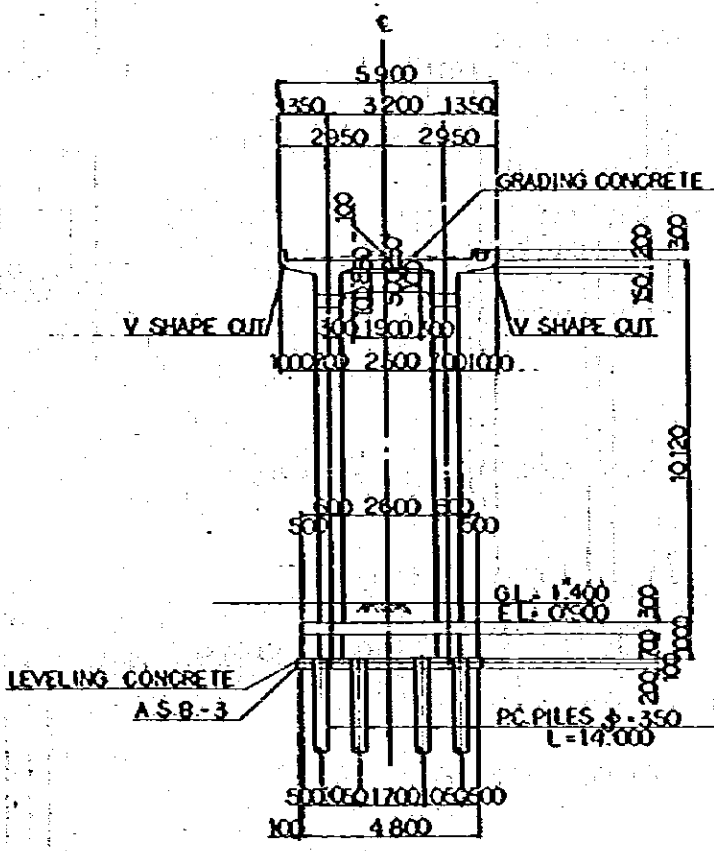
SECTION B



SECTION C



SECTION D



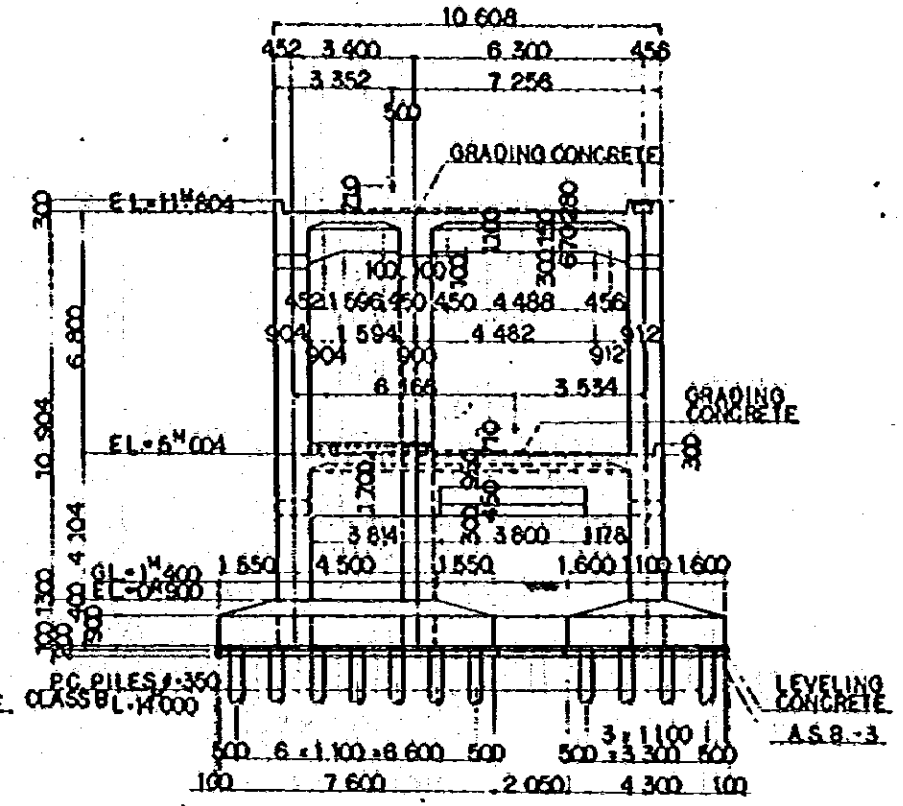
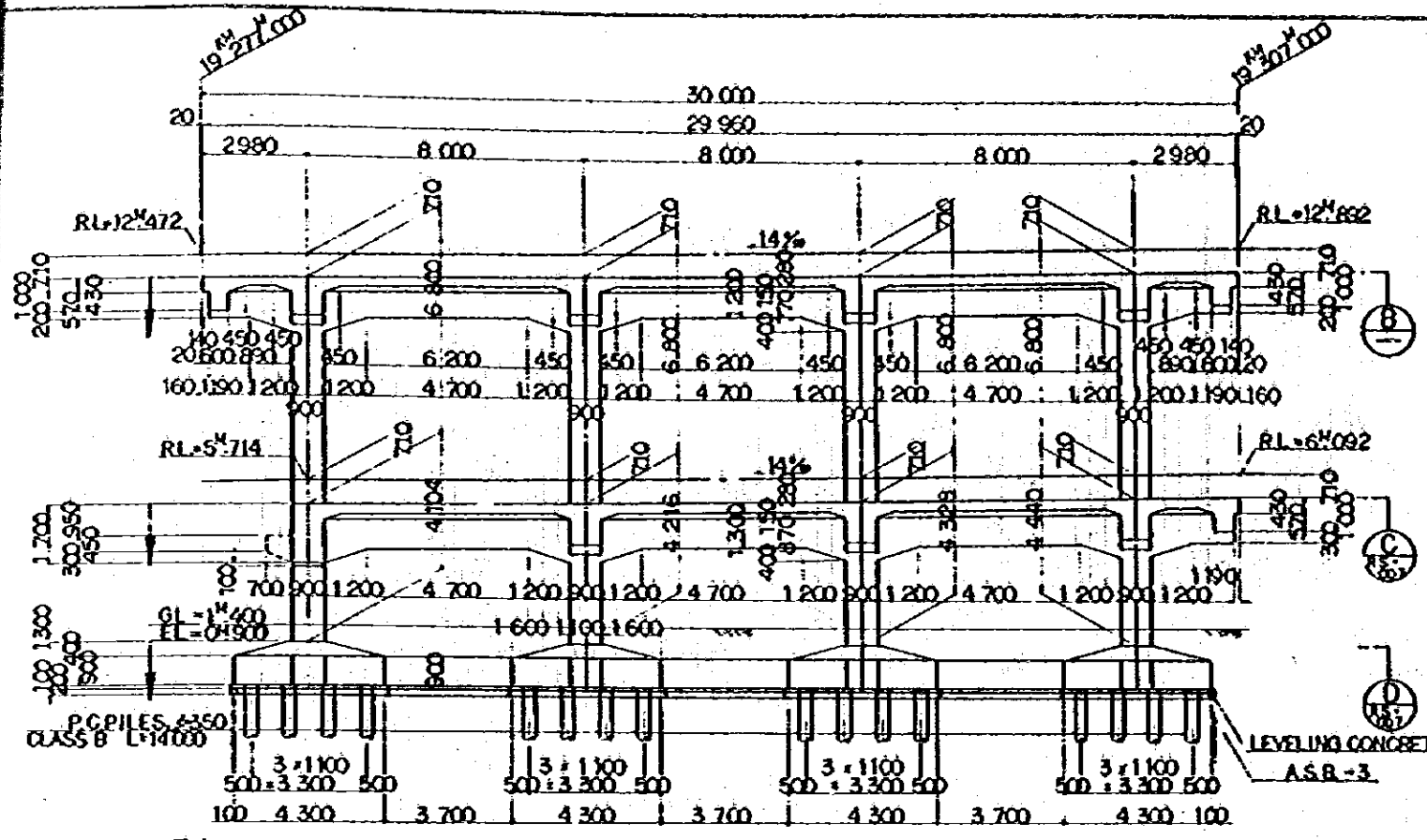
SECTION E

- NOTES ;
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

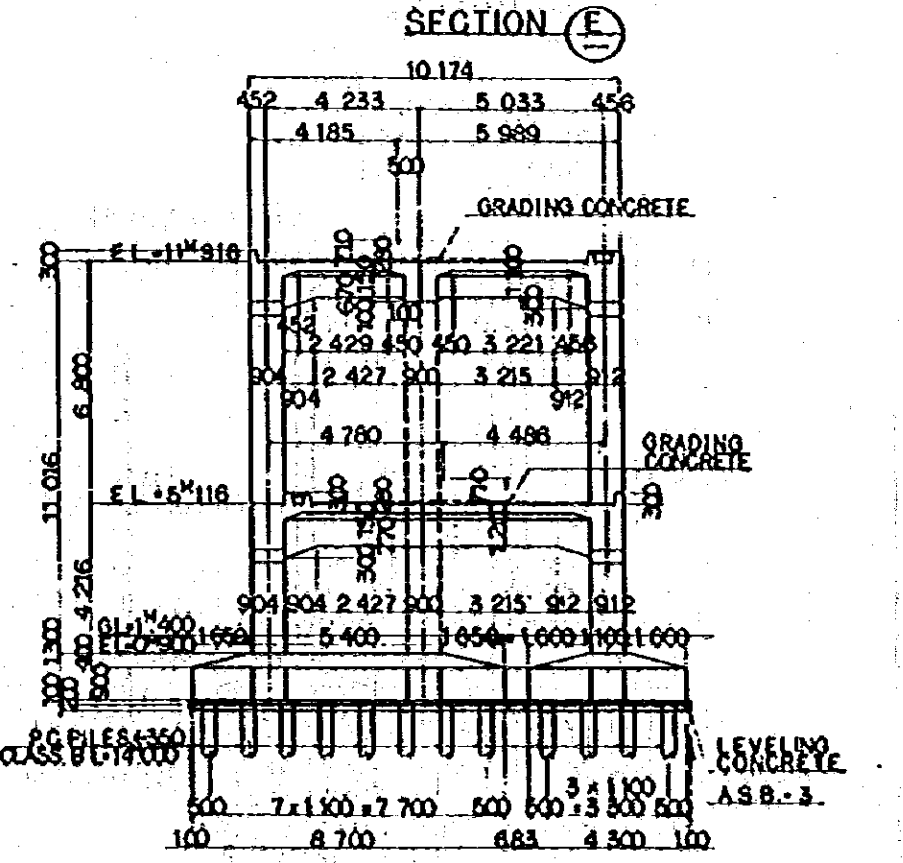
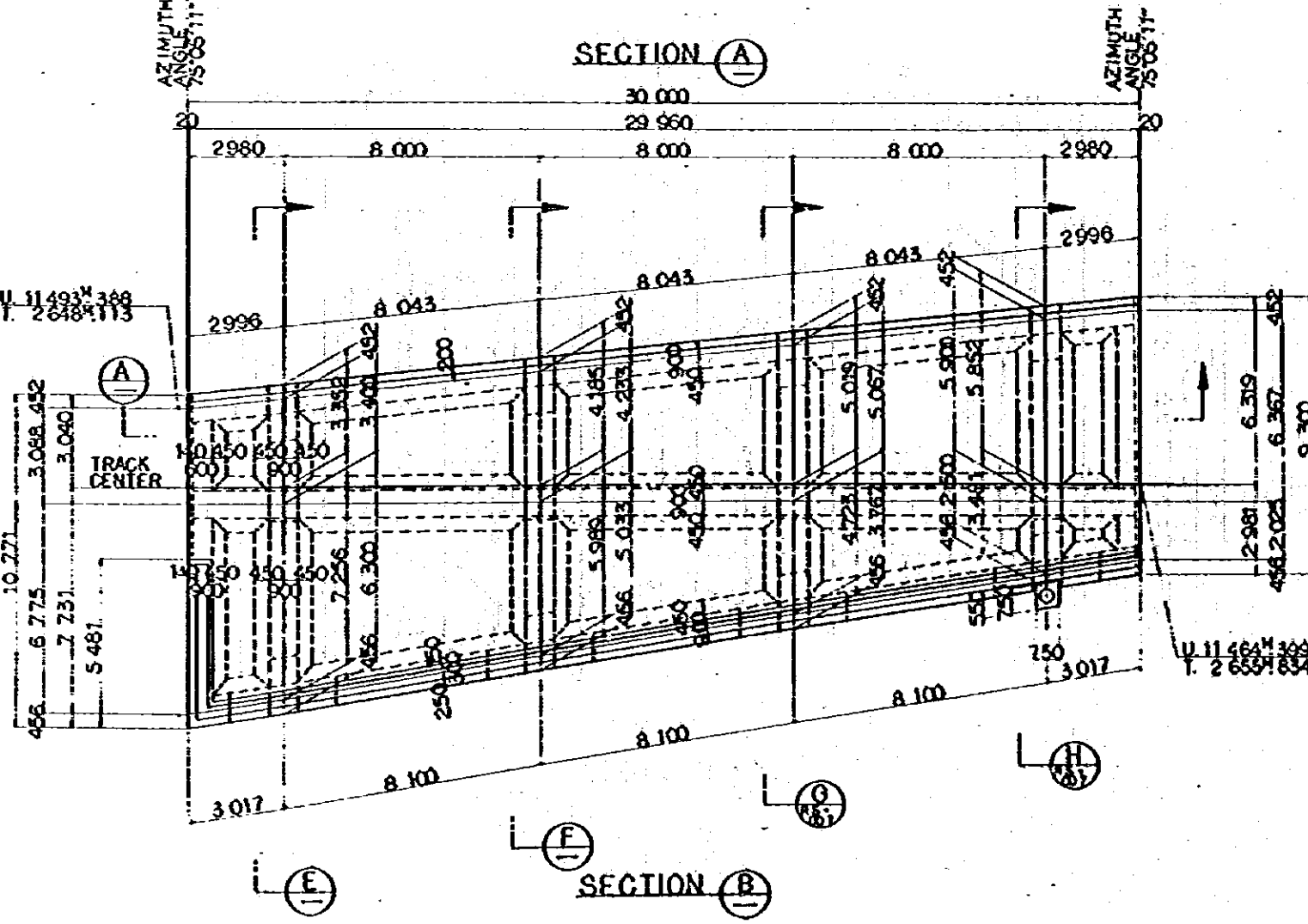
2. TYPES OF PC PILE
  - PC PILE CLASS B
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND PLANO WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG '84	KJ	A O	KJ	KHL
A					
REVISION	DATE	BY	CHECKED	APPROVED	REMARKS
<b>VIADUCT V133</b> <b>GENERAL VIEW</b>					
PROJECT:   CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-004			

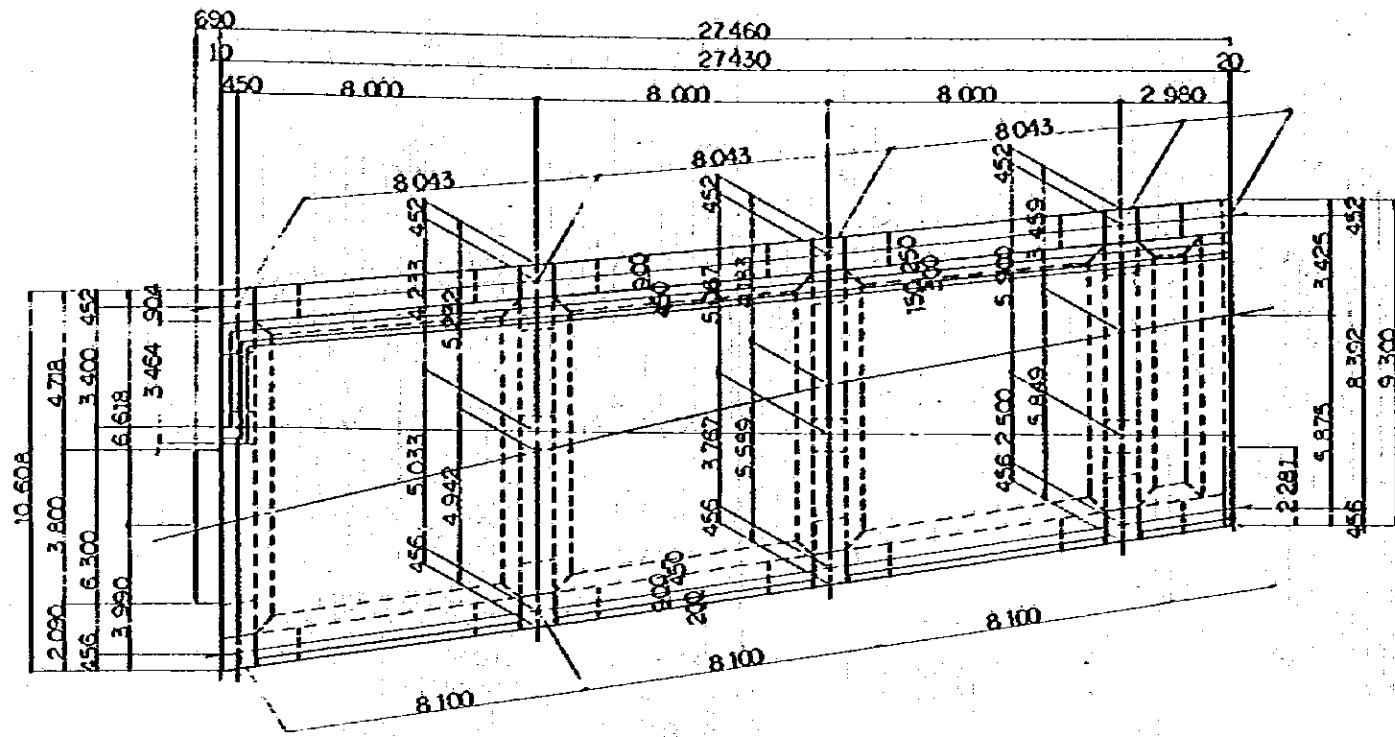




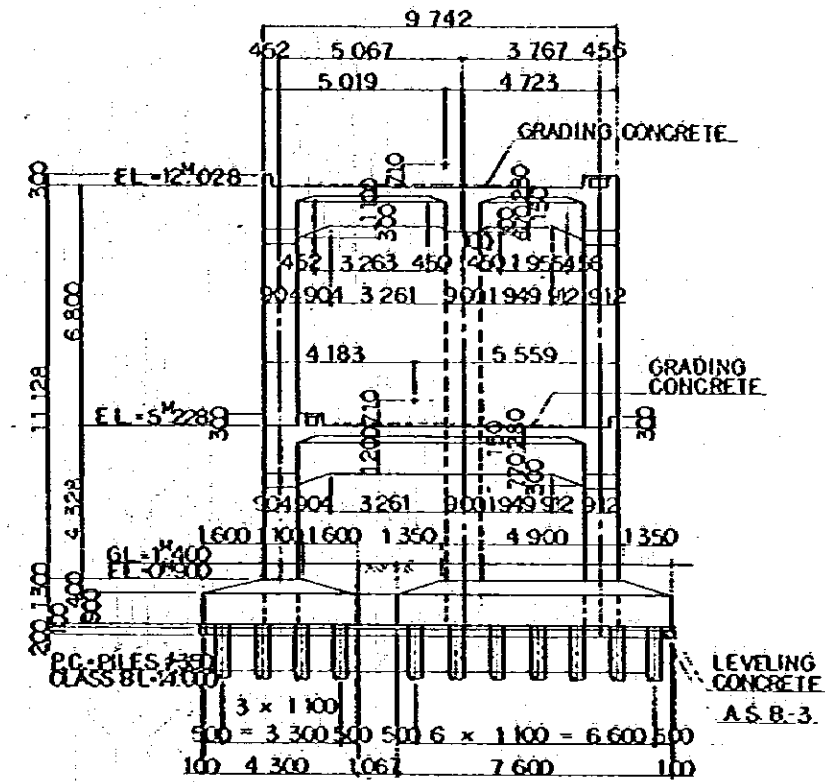
- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  2. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE



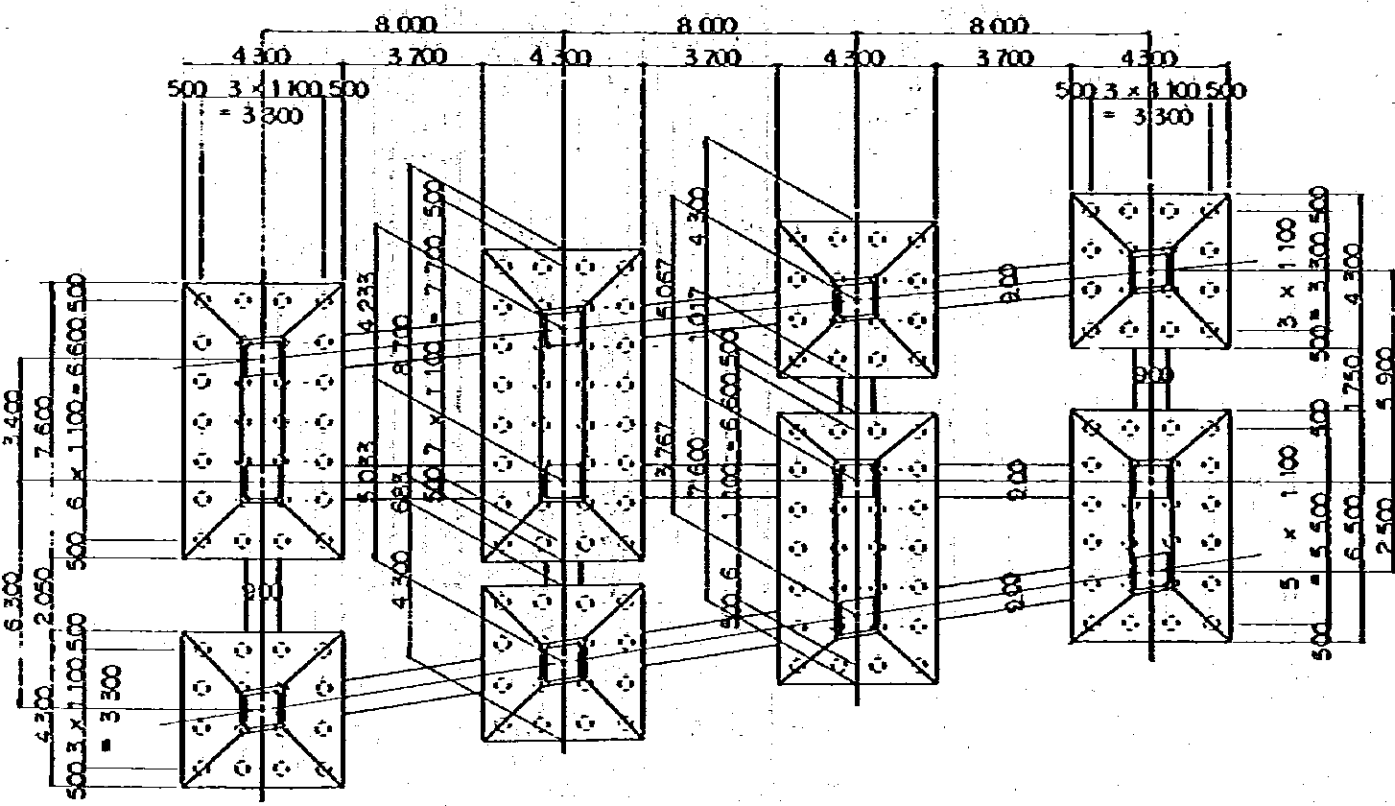
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS	
NEW RAILWAY LINE FOR COMBARANG AIRPORT CONSTRUCTION PROJECT	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	
DESIGNER	TAIYO KEN KEN KEN KEN
REVISOR	TAIYO KEN KEN KEN KEN
VIADUCT V135 GENERAL VIEW (SHEET 1 OF 2)	
PROJECT: CIVIL AND ARCHITECTURAL WORK	
SCALE: 1:100	DRAWING NO: RS-006



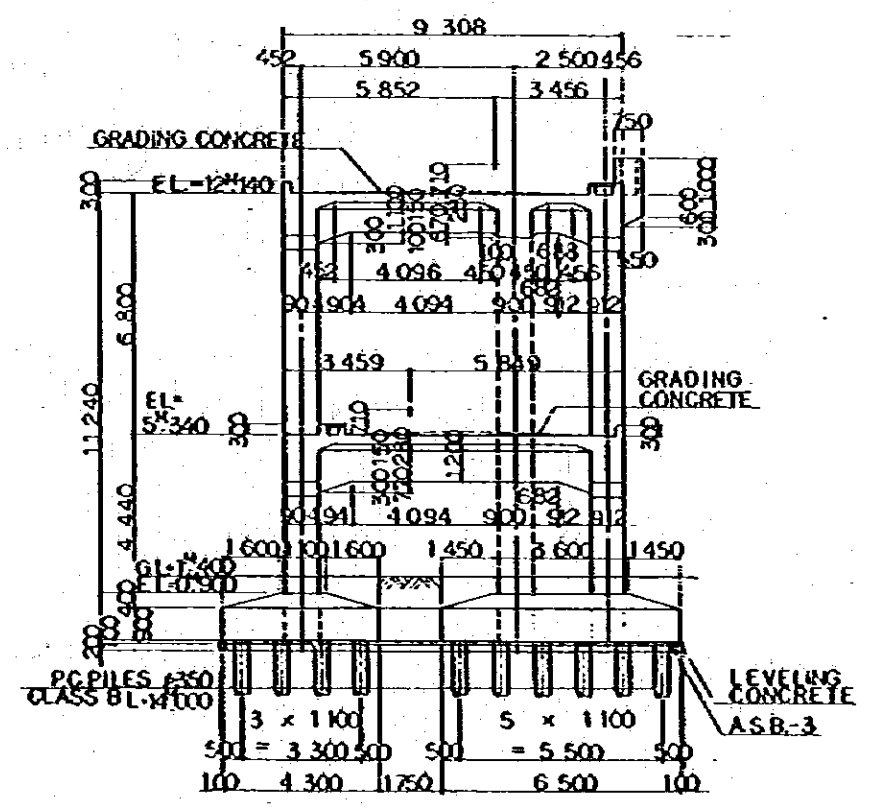
SECTION C



SECTION G



SECTION D



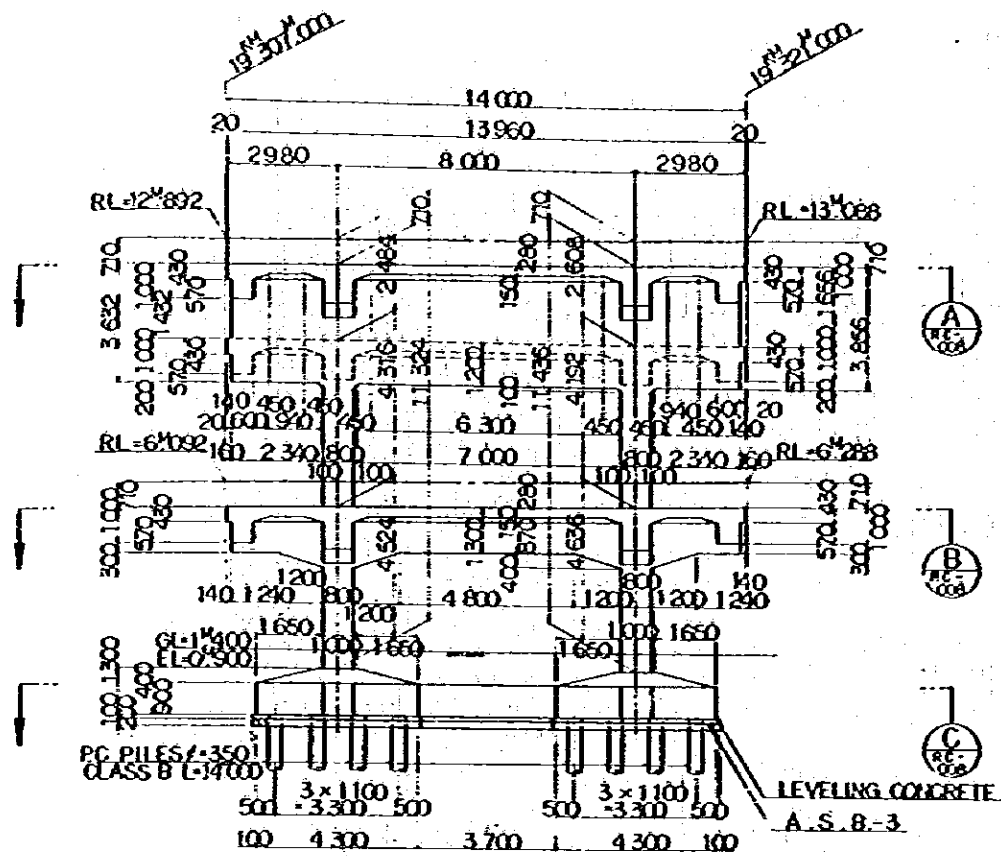
SECTION H

- NOTES:
- 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  - 2 GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

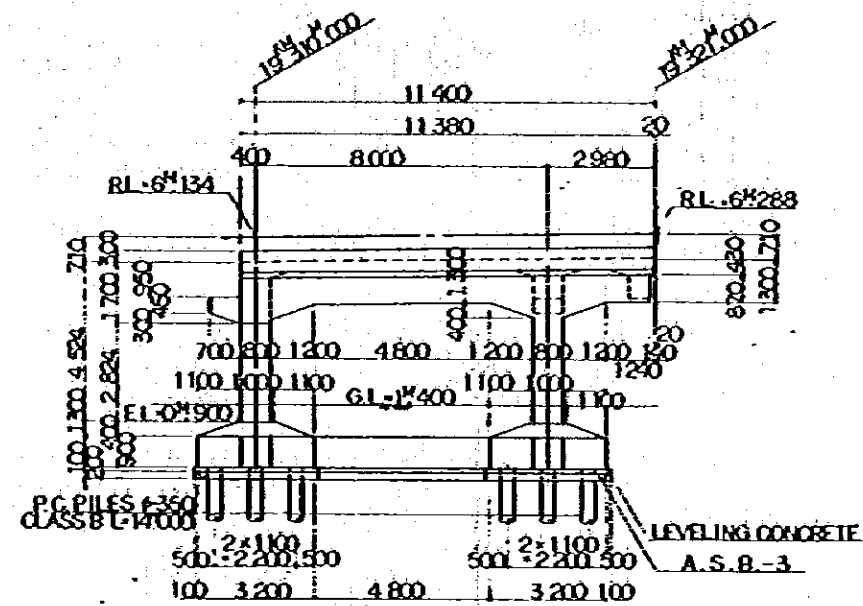
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
8	1 AUG 84	TK	A.O	K.A	K.M
A	REVISOR	TK	A.O	K.A	K.M
REVISOR	DATE	DESIGNED	CHECKED	APPROVED	FORWARDED
VIADUCT V135 GENERAL VIEW (SHEET 2 OF 2)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	PROJECT NO.				
1:100	RS-007				





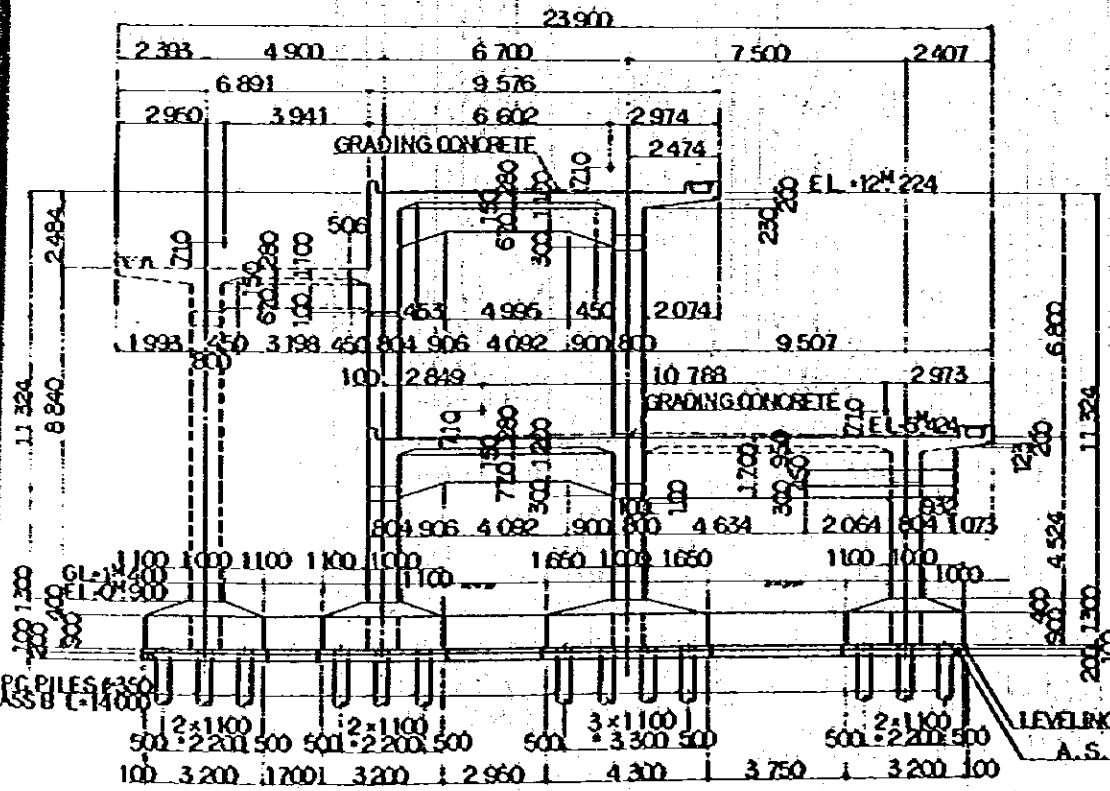


SECTION D

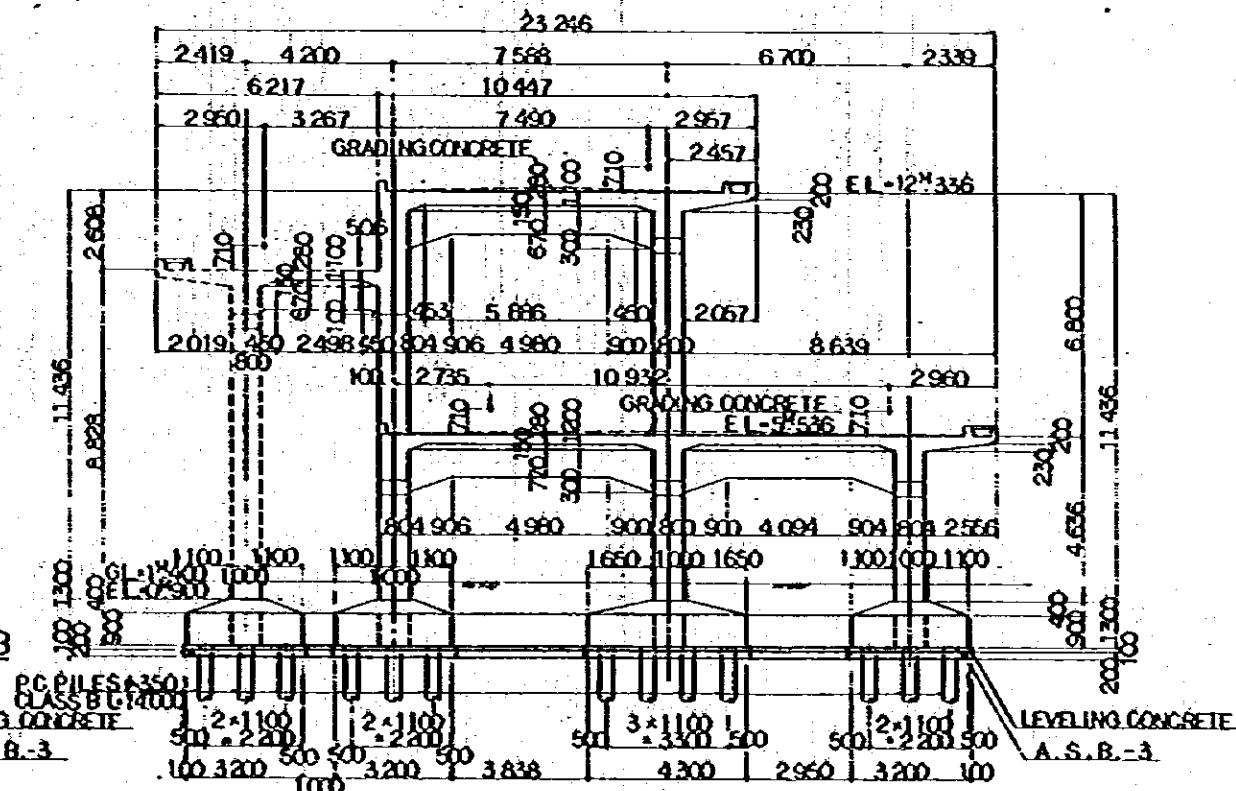


SECTION E

- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  2. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE



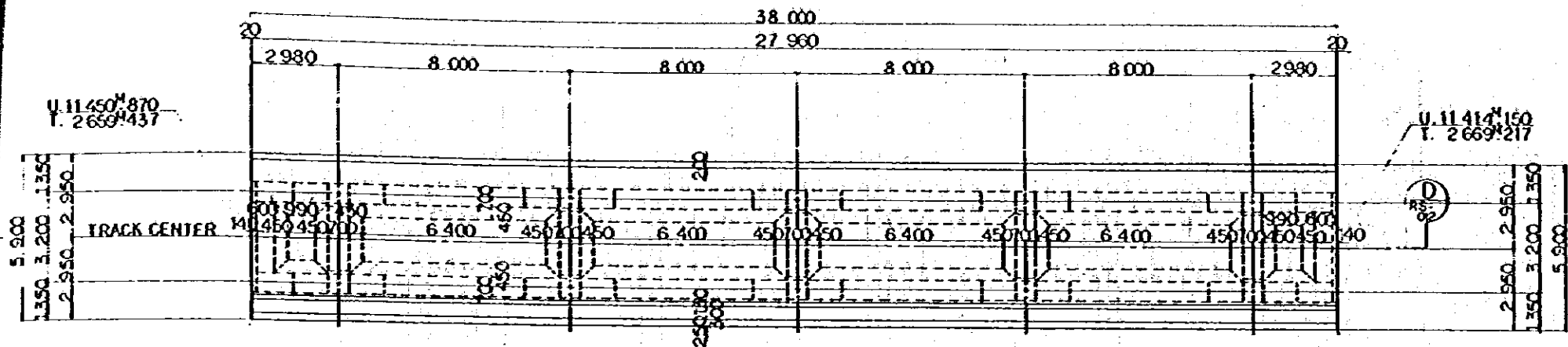
SECTION F



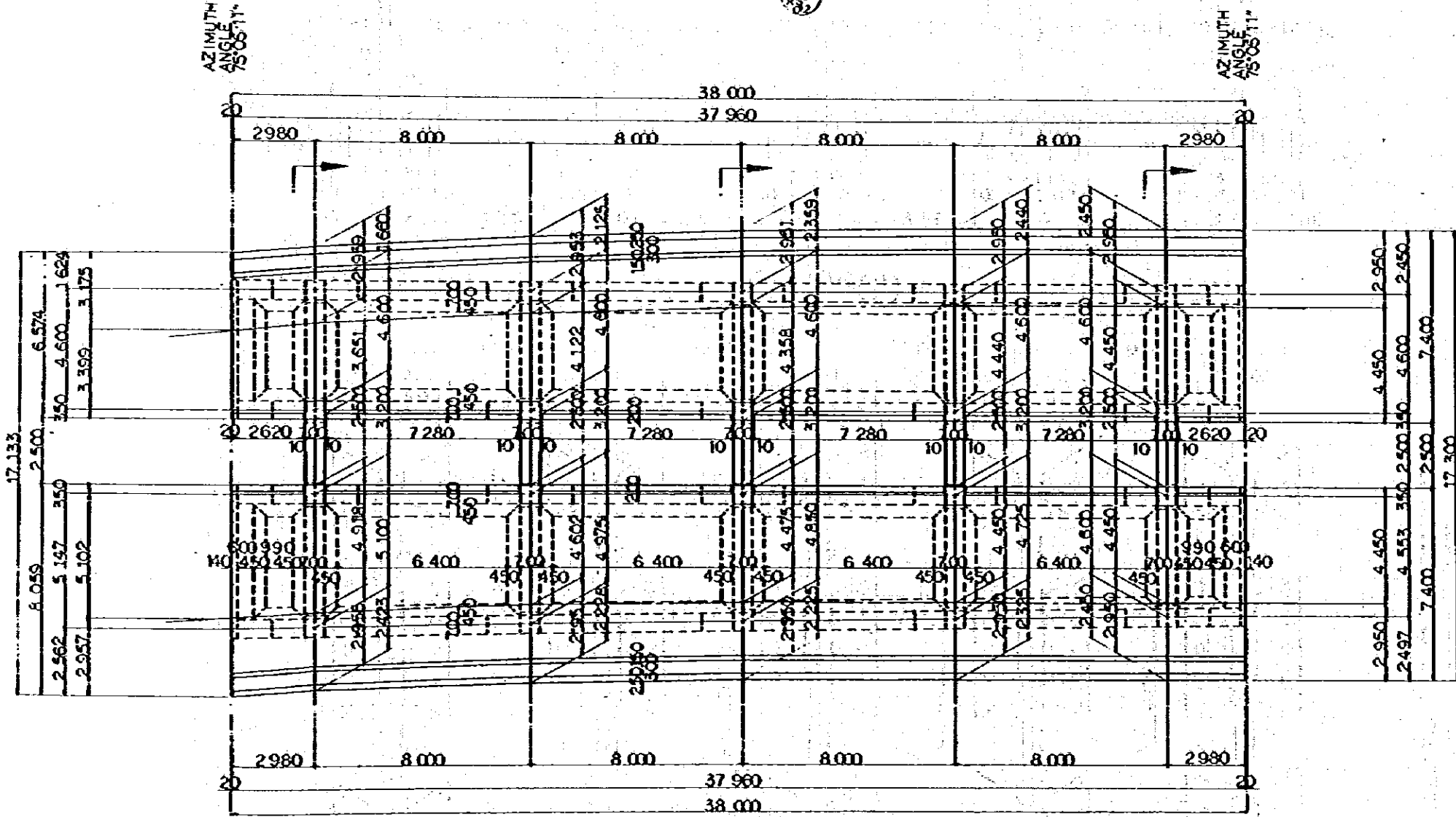
SECTION G

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CONGARANG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	TAJUS '84	T.K.A.O.	K.A.K.M.	MIL	
A	SEK. 25. T.R.	S.A.K.A.K.M.	K.A.K.M.	P.K.	
KEYS	DATE	DESIGNED	CHECKED	APPROVED	REVISION
VIADUCT V136 GENERAL VIEW (SHEET 2 OF 2)					
PROGRAM: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-009			





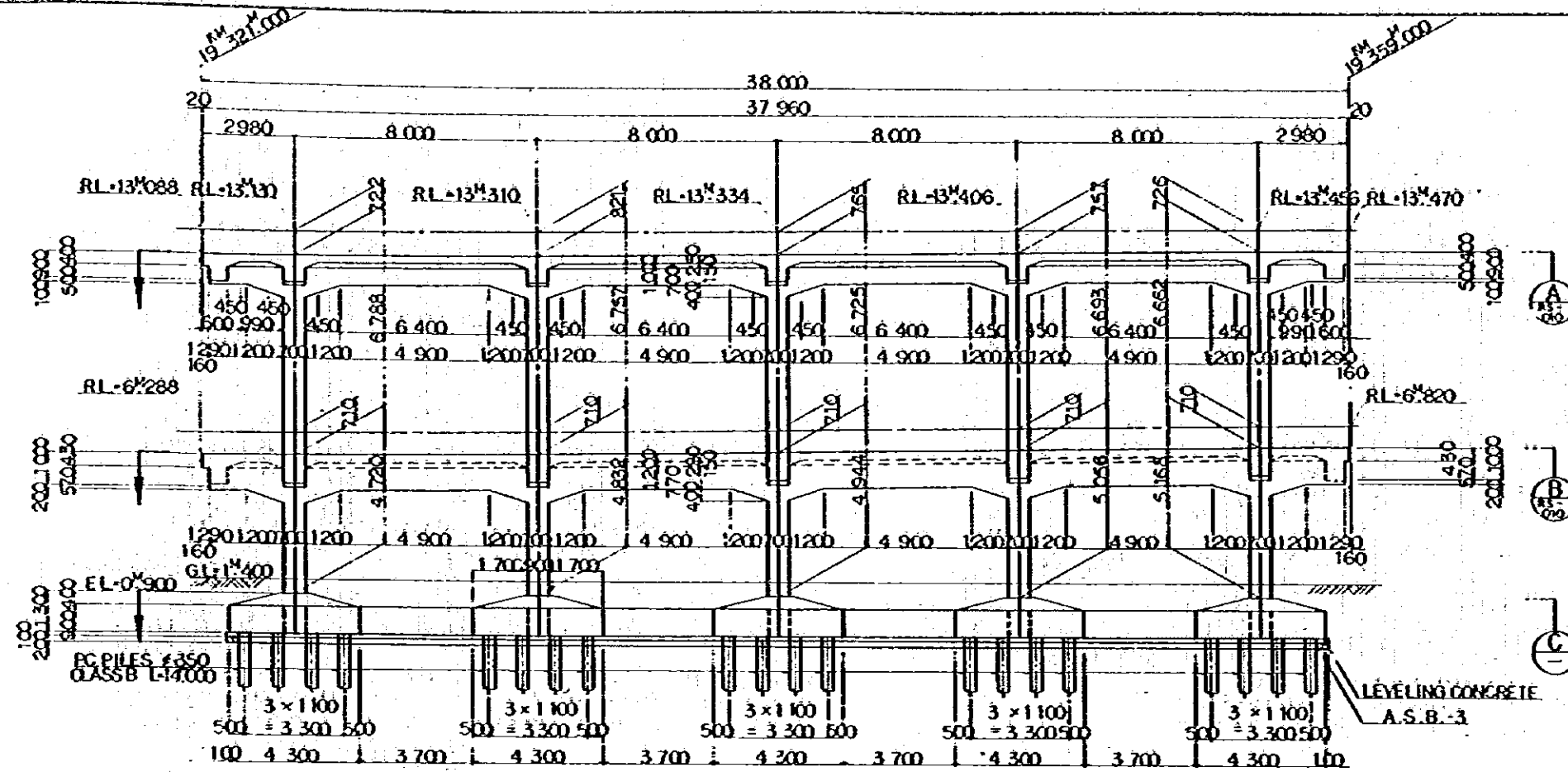
SECTION A



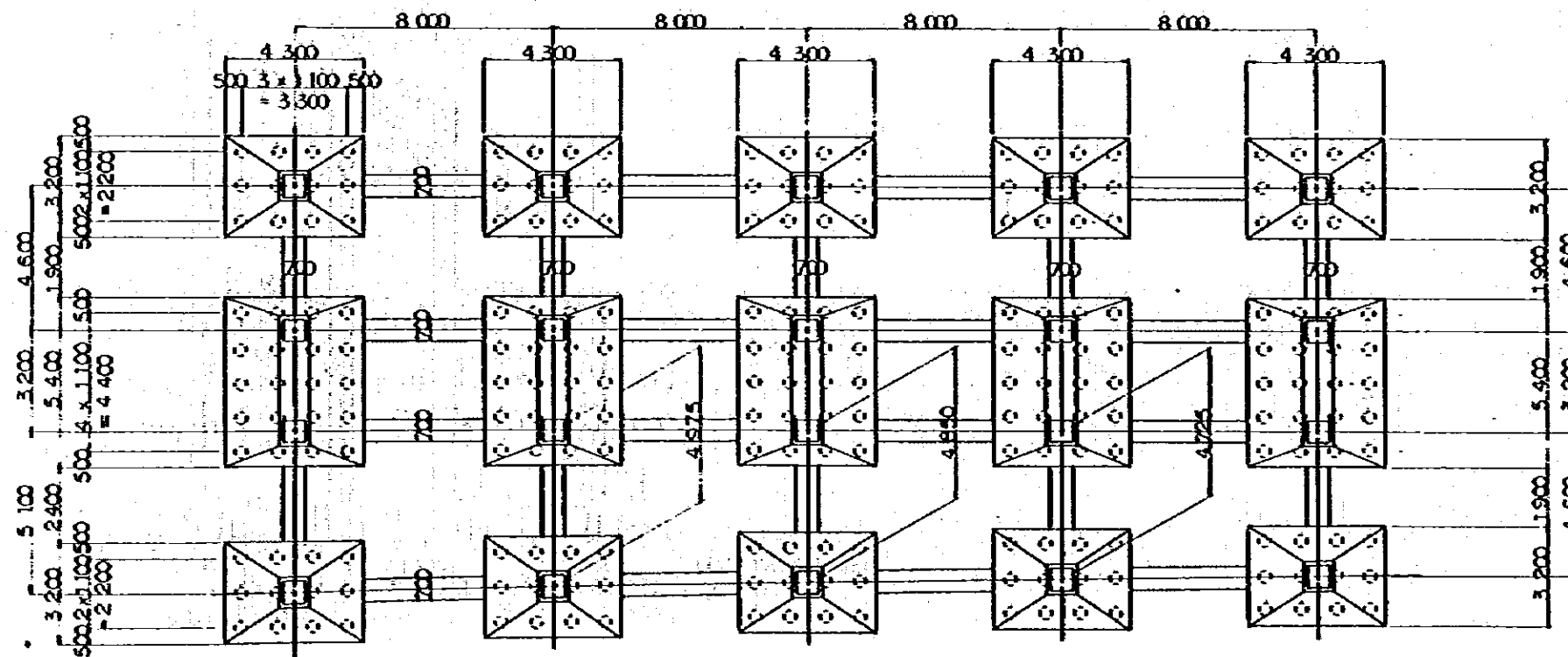
SECTION B

NOTE:  
 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	TAUG '64	TK	AO	KA	KM
A	SEKRE	TK	AO	KA	KM
REVISION	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
VIADUCT V137 GENERAL VIEW (SHEET 1 OF 3)					
PROJECT: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-010			



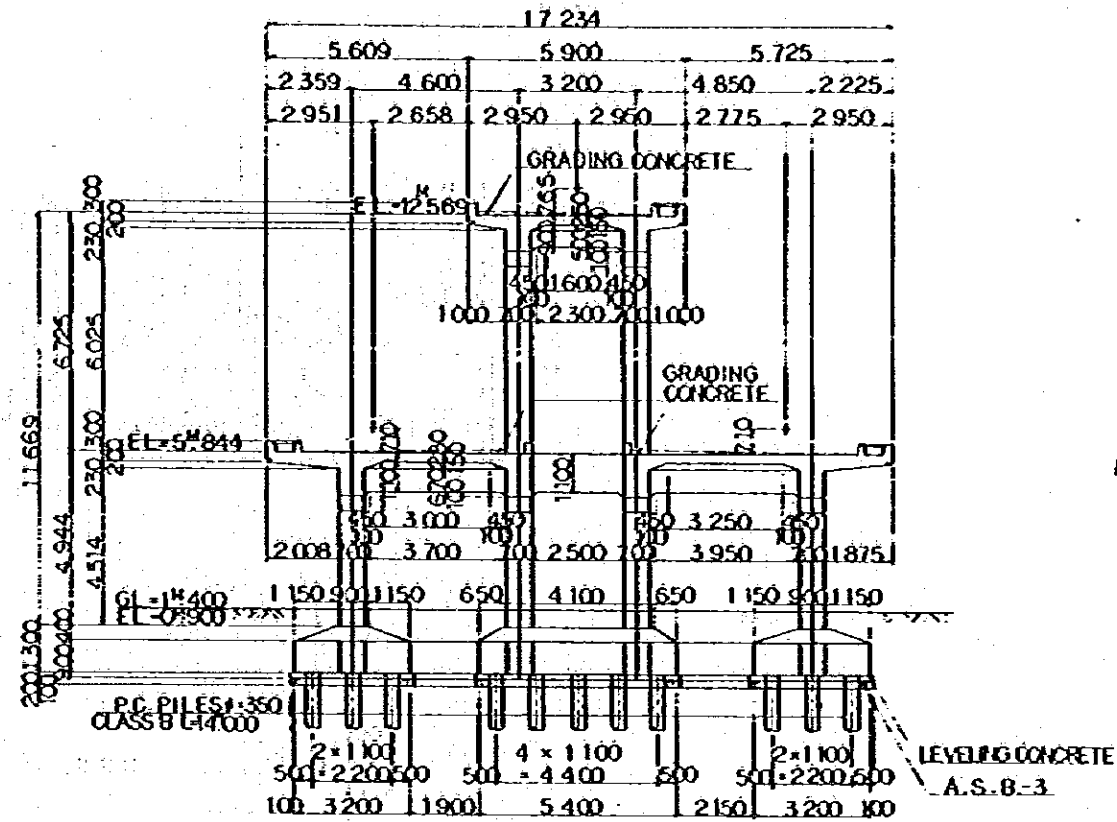
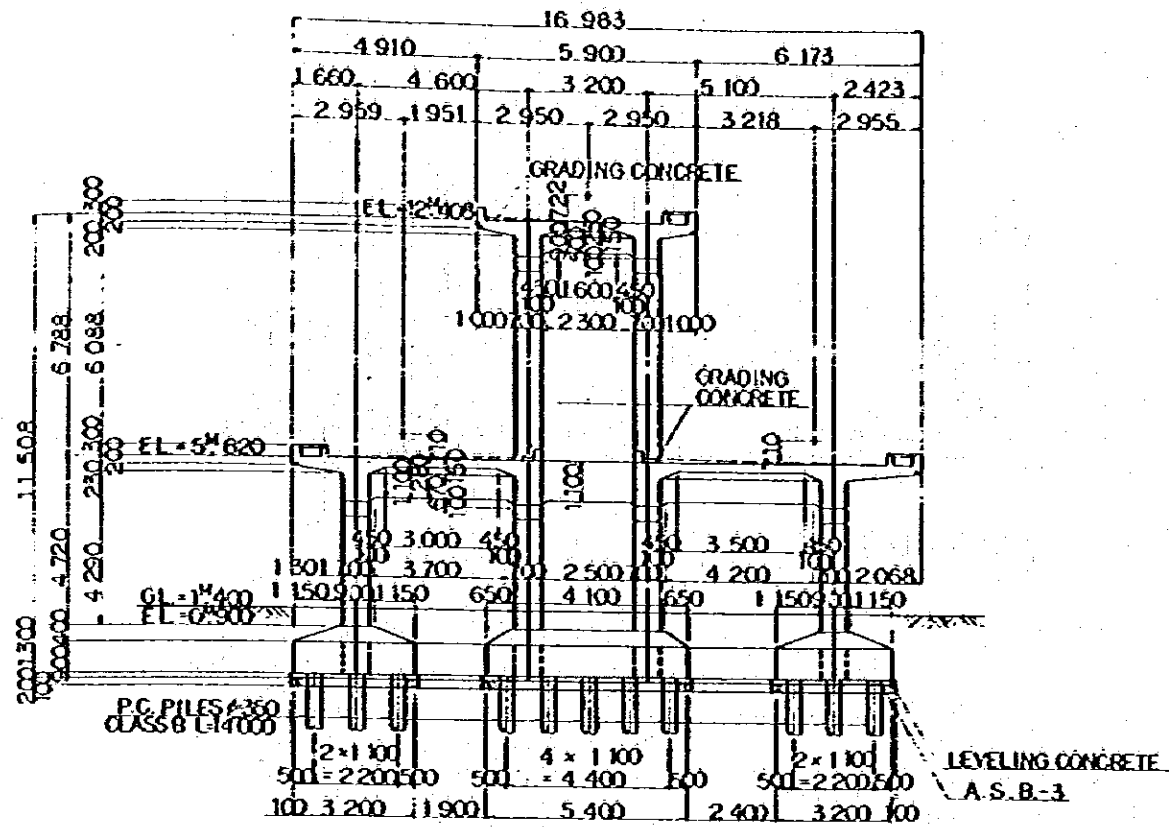
SECTION (D)



SECTION (C)

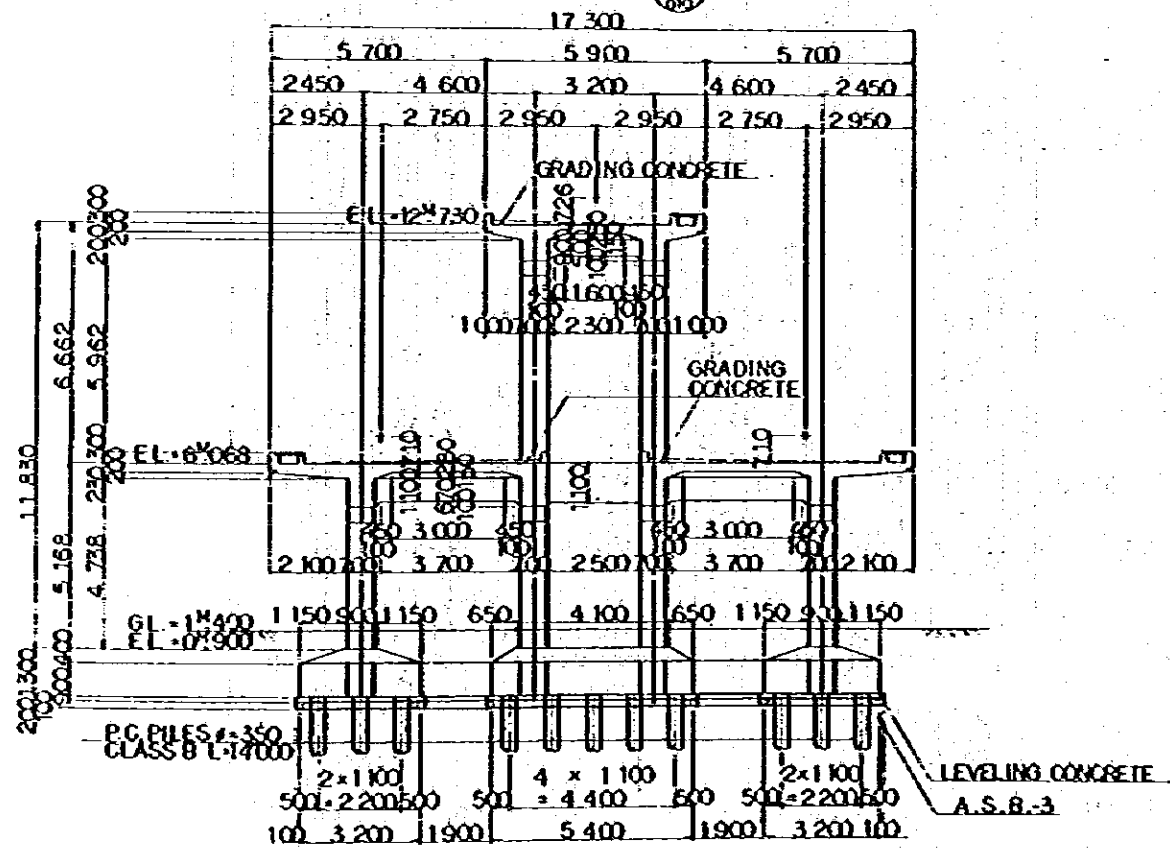
NOTE :  
 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGLARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
6	1 AUG '84	ZK	AOKI	KH	AK
A	10 FEB '84	ZK	AOKI	KH	AK
REVISION	DATE	DESIGNED	CHECKED	APPROVED	SUBMITTED
VIADUCT V137 GENERAL VIEW (SHEET 2 OF 3)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-011			



NOTES:

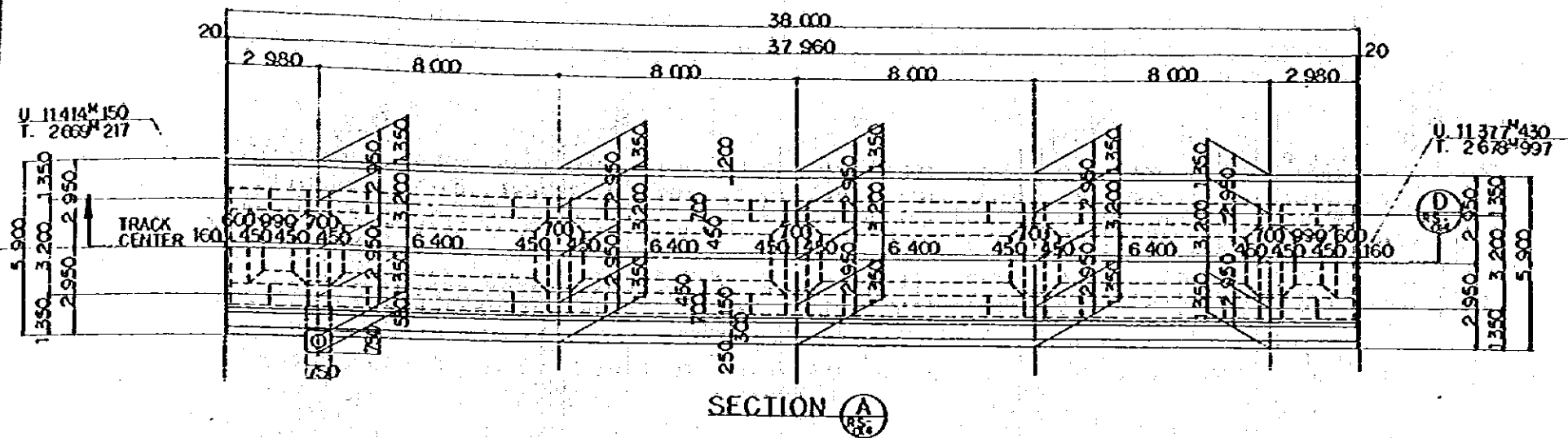
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE



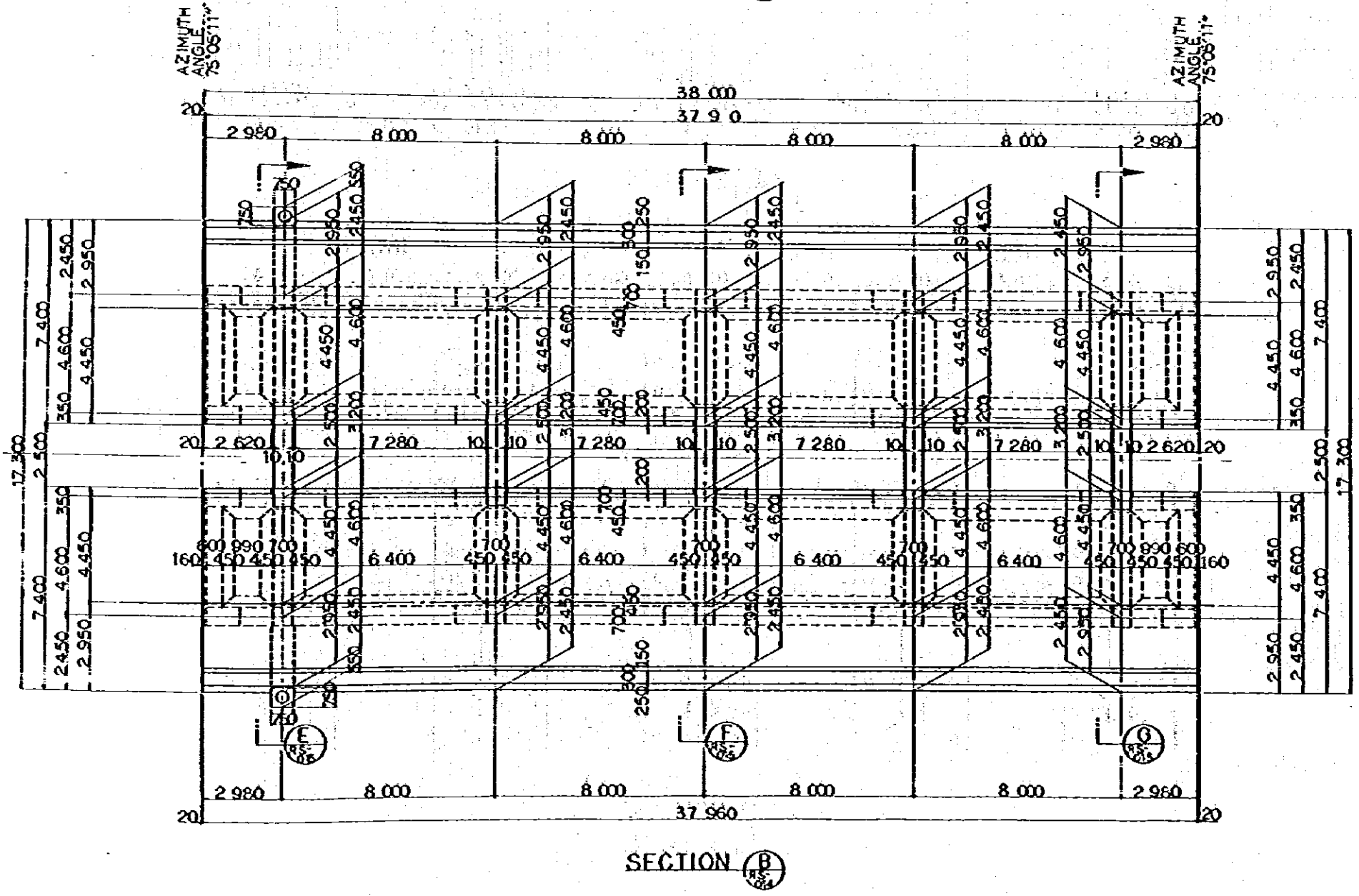
SECTION G

SECTION F

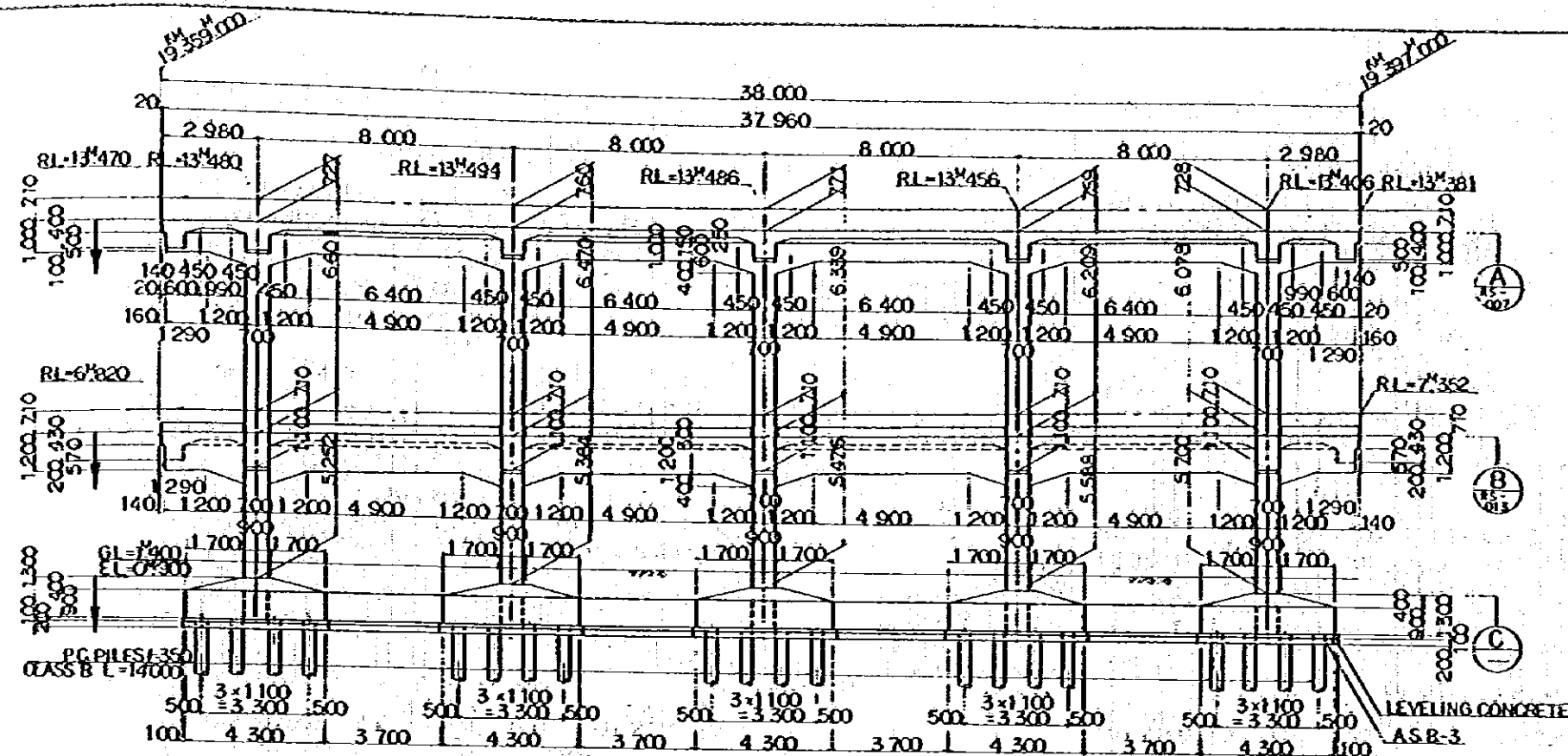
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKUREN AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
3	1 AUG '84	T.A.	D.K.	K.M.	M.A.	
A						
RS/SP	INT	DESIGN	PLAN	CHECK	APPROVE	LIMITED
VIADUCT V137 GENERAL VIEW (SHEET 3 OF 3)						
PROJECT: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: RS-012				



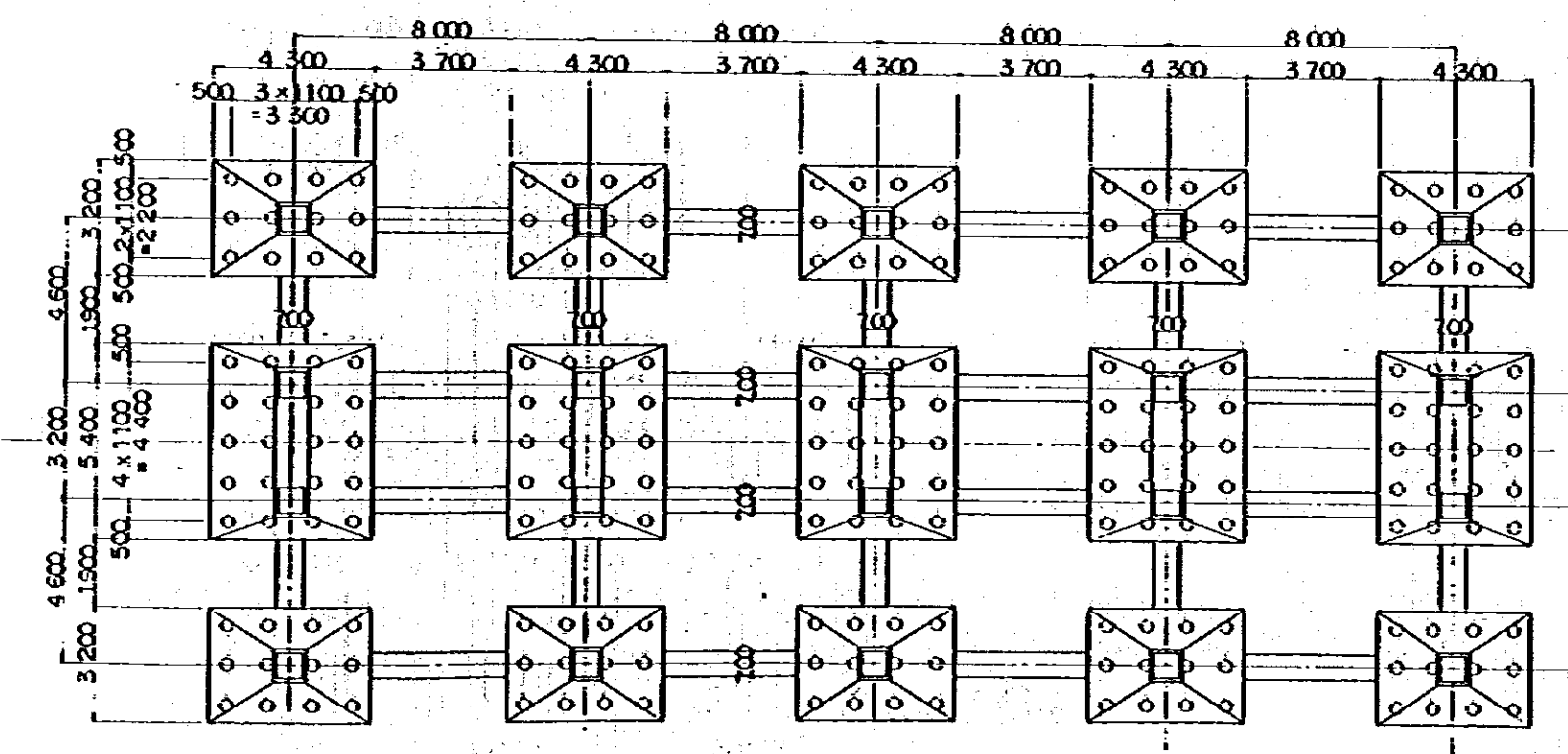
NOTE:  
 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED



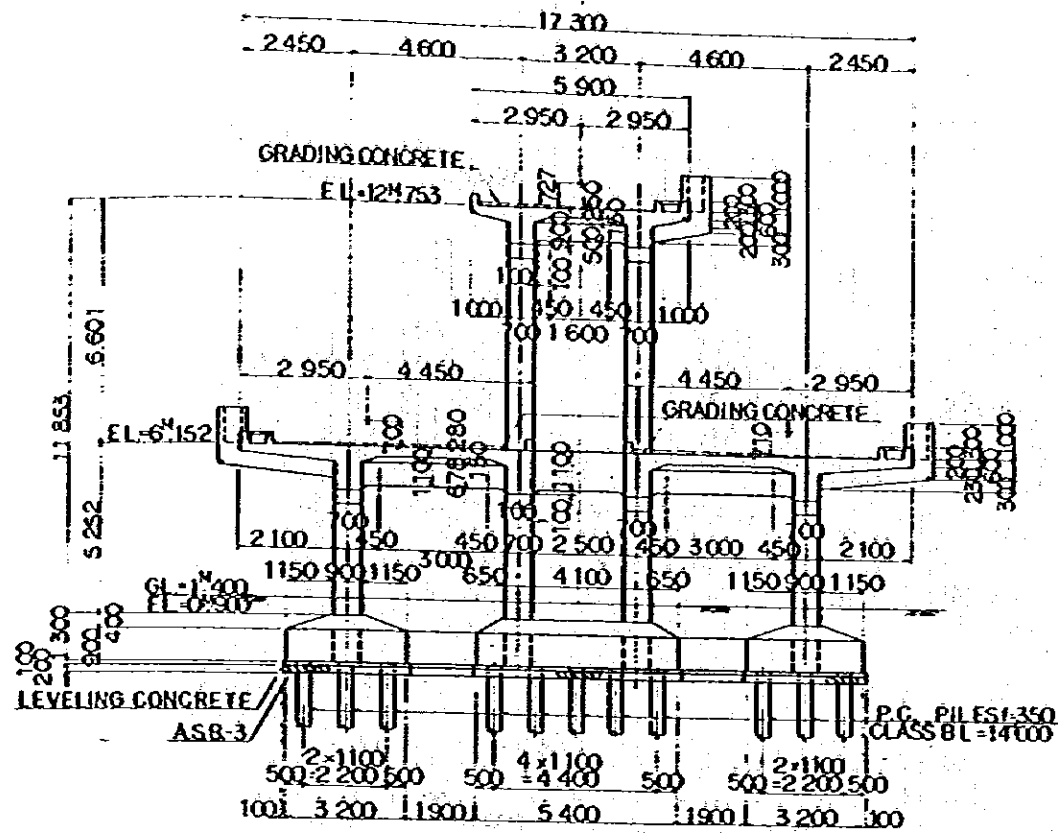
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
8	1 AUG. 84	TK	AO	KR	KM	AK
4	27 SEP. 84	TK	AO	KR	KM	AK
REVISION	DATE	DESIGNED	CHECKED	APPROVED	REVIEWED	SUBMITTED
VIADUCT V139 GENERAL VIEW (SHEET 1 OF 3)						
PROJECT: 1 CIVIL AND ARCHITECTURAL WORKS						
SCALE: 1:100		DRAWING NO: RS-013				



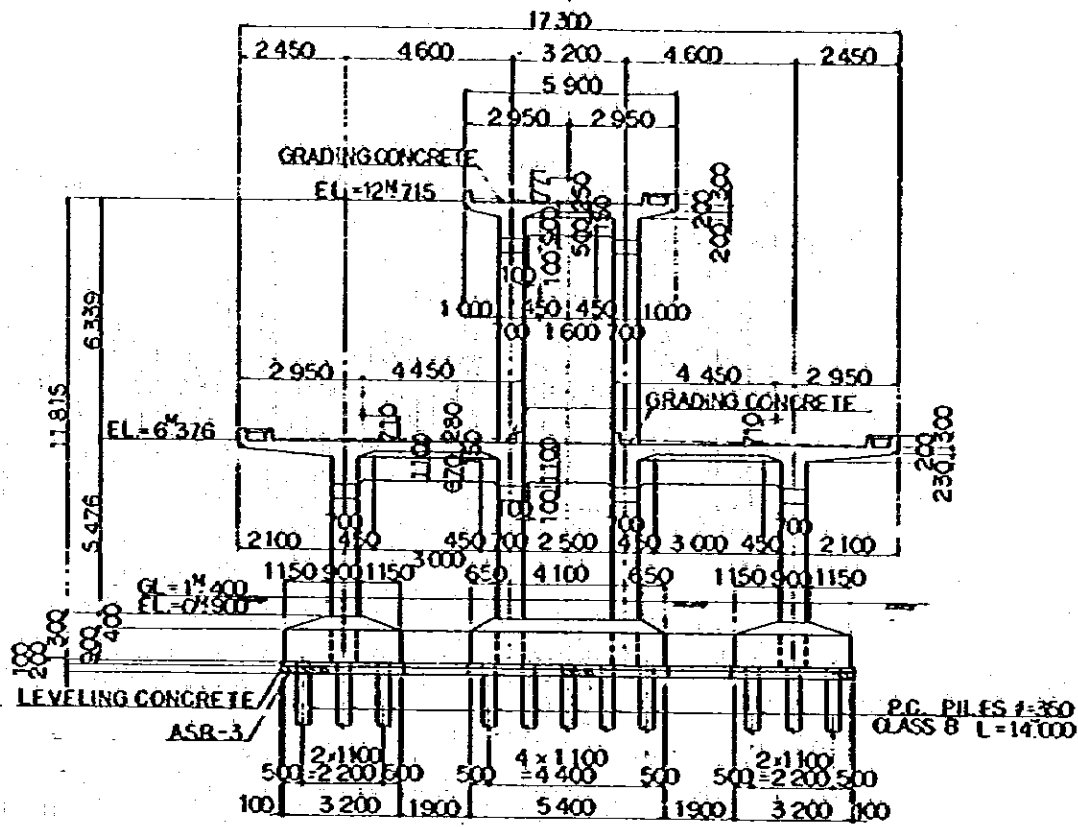
NOTE :  
 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED



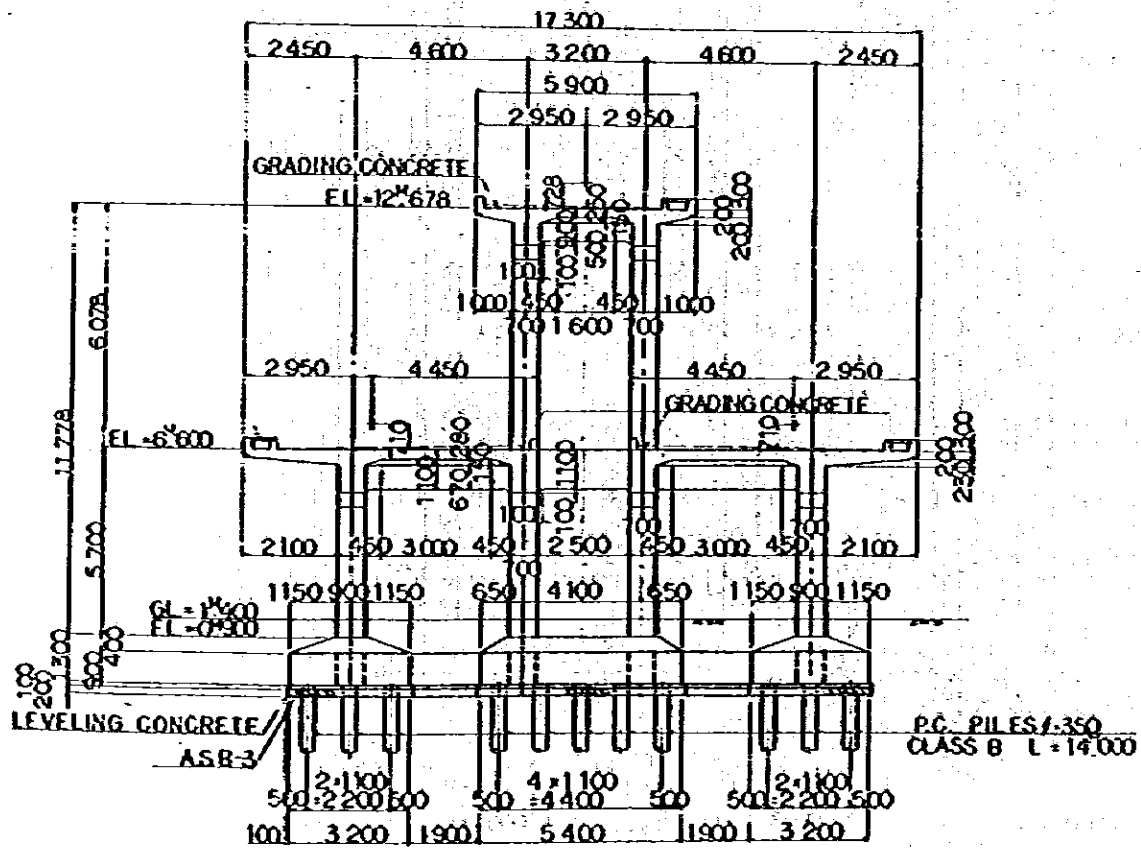
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CONGLARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	17 AUG '84	TR	AO	KR	AK
A	17 AUG '84	TR	AO	KR	AK
REVISION	DATE	BY	CHECKED	DESIGNED	APPROVED
VIADUCT V138 GENERAL VIEW (SHEET 2 OF 3)					
PACKAGE : I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO.				
1:100	RS-014				



SECTION E



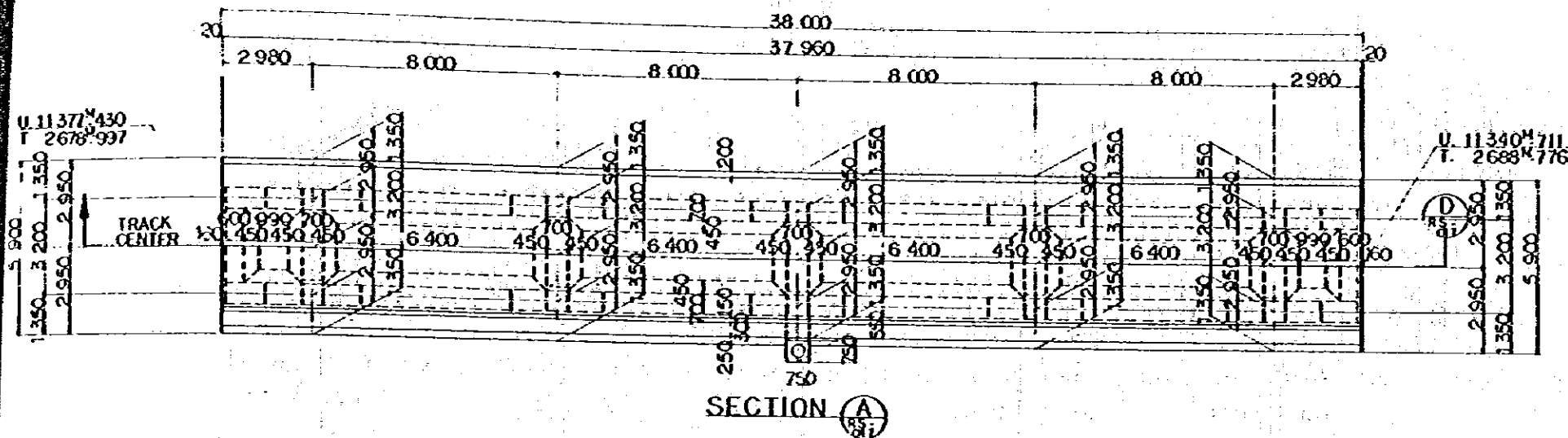
SECTION F



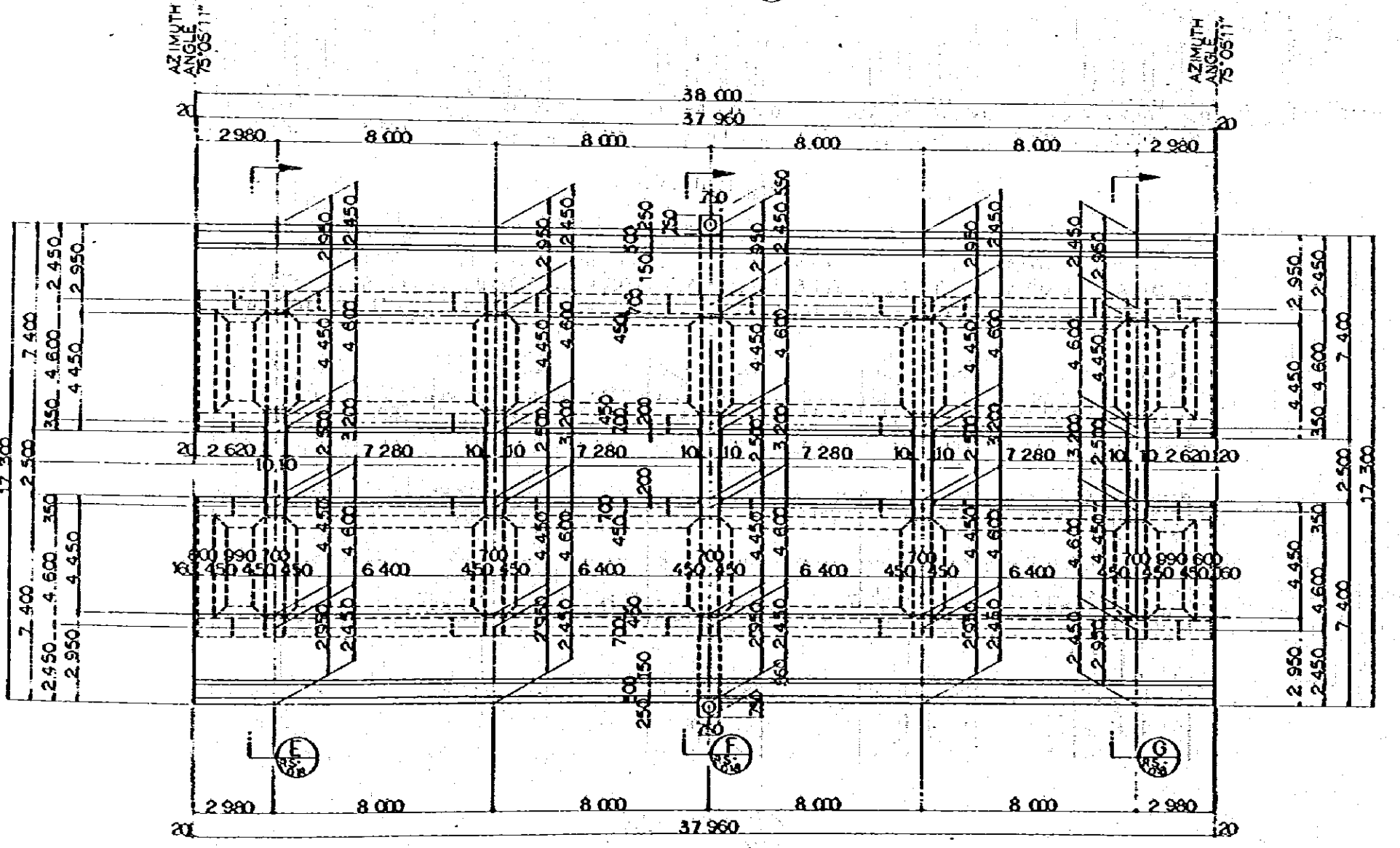
SECTION G

- NOTE :
- 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  - 2 GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
8	1 AUG. '84	TA	AK	AK	AK
A	15 SEP. '84	TK	AD	PK	AK
REVISION	DATE	DESIGN	DRAWN	CHECKED	APPROVED
VIADUCT V138 GENERAL VIEW					
PROJECT: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100	DRAWING NO: RS-015				



SECTION A



SECTION B

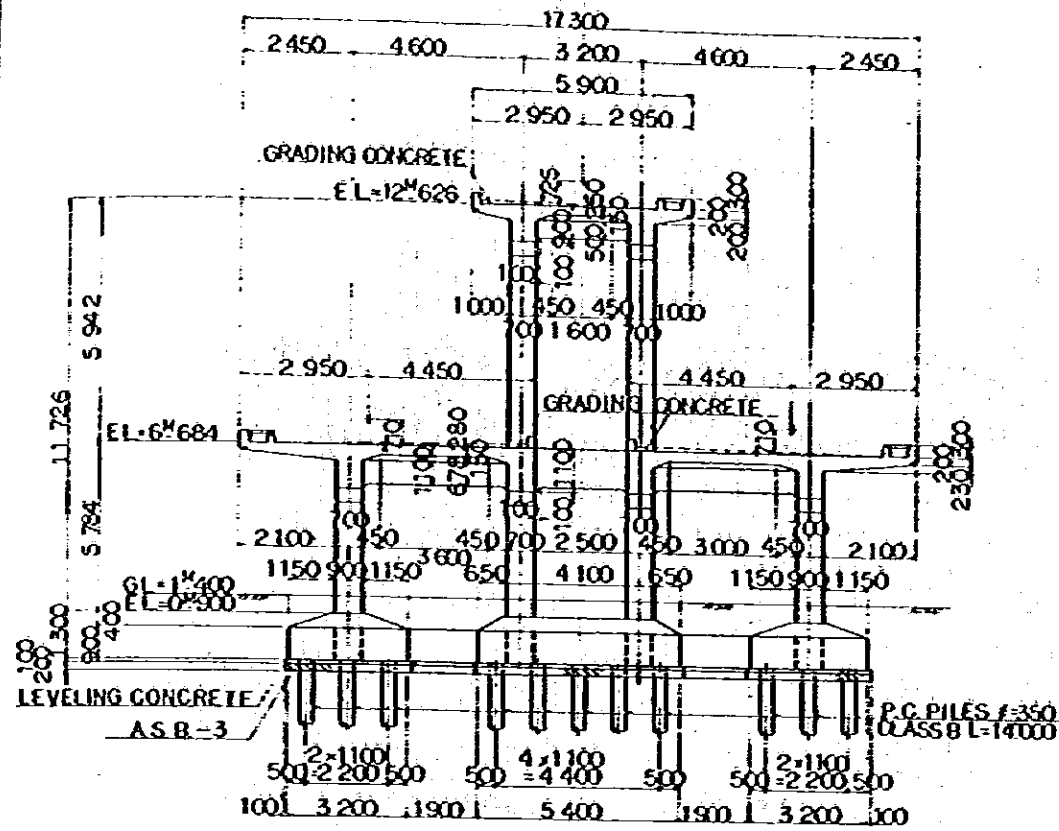
NOTE :  
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	TAUG'84	T.K.	A.O.	K.S.	K.M.	K.K.
A	SEPT'84	T.K.	A.O.	K.S.	K.M.	K.K.
REVISION	DATE	DESIGNED	CHECKED	APPROVED	REVISED	SUBMITTED
VIADUCT V139 GENERAL VIEW (SHEET 1 OF 3)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: RS-016				

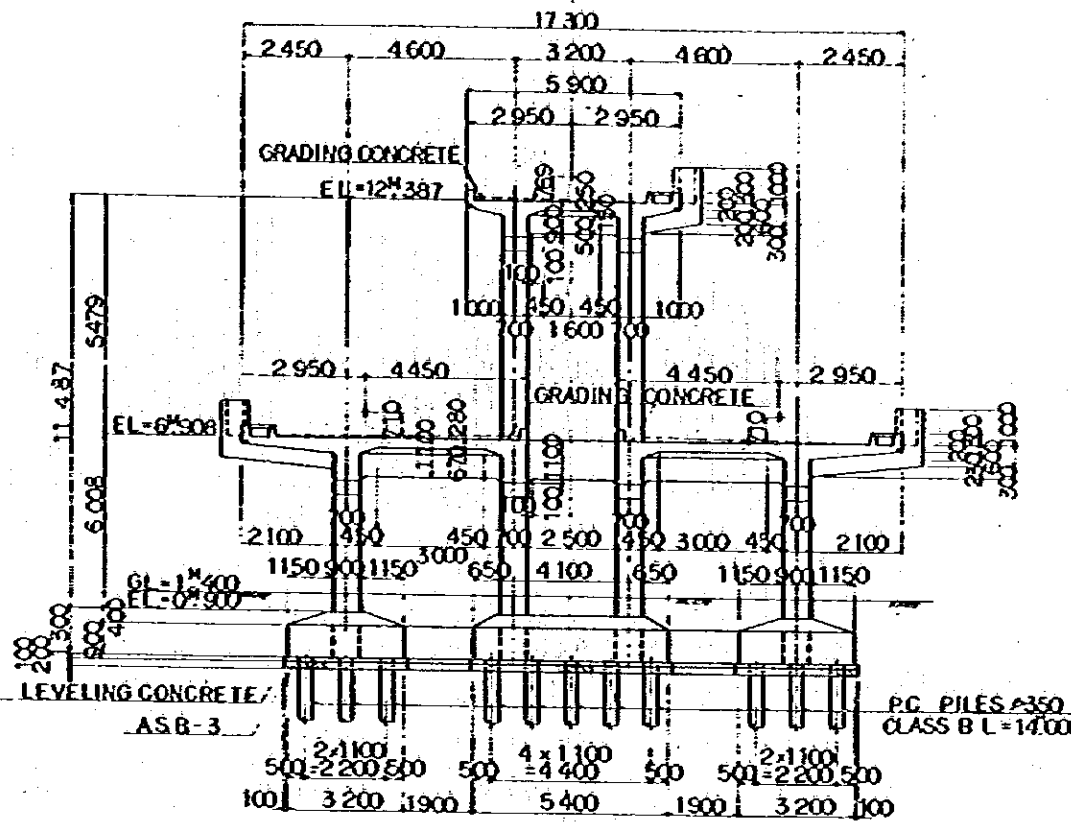




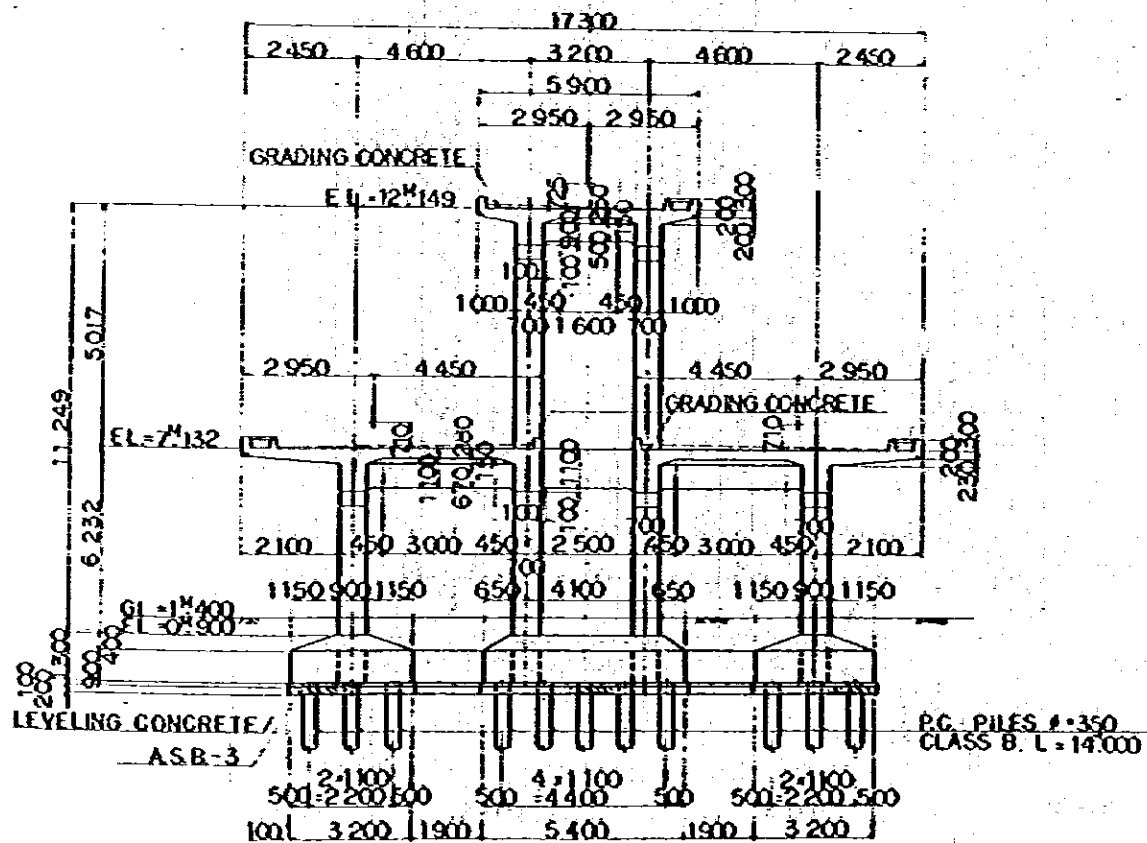




SECTION E



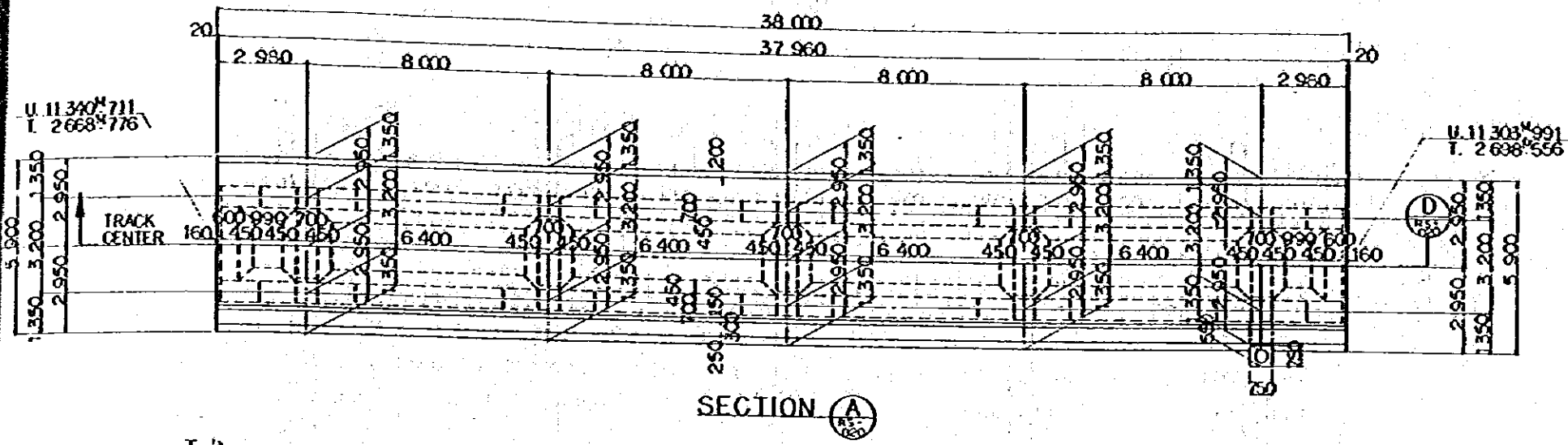
SECTION F



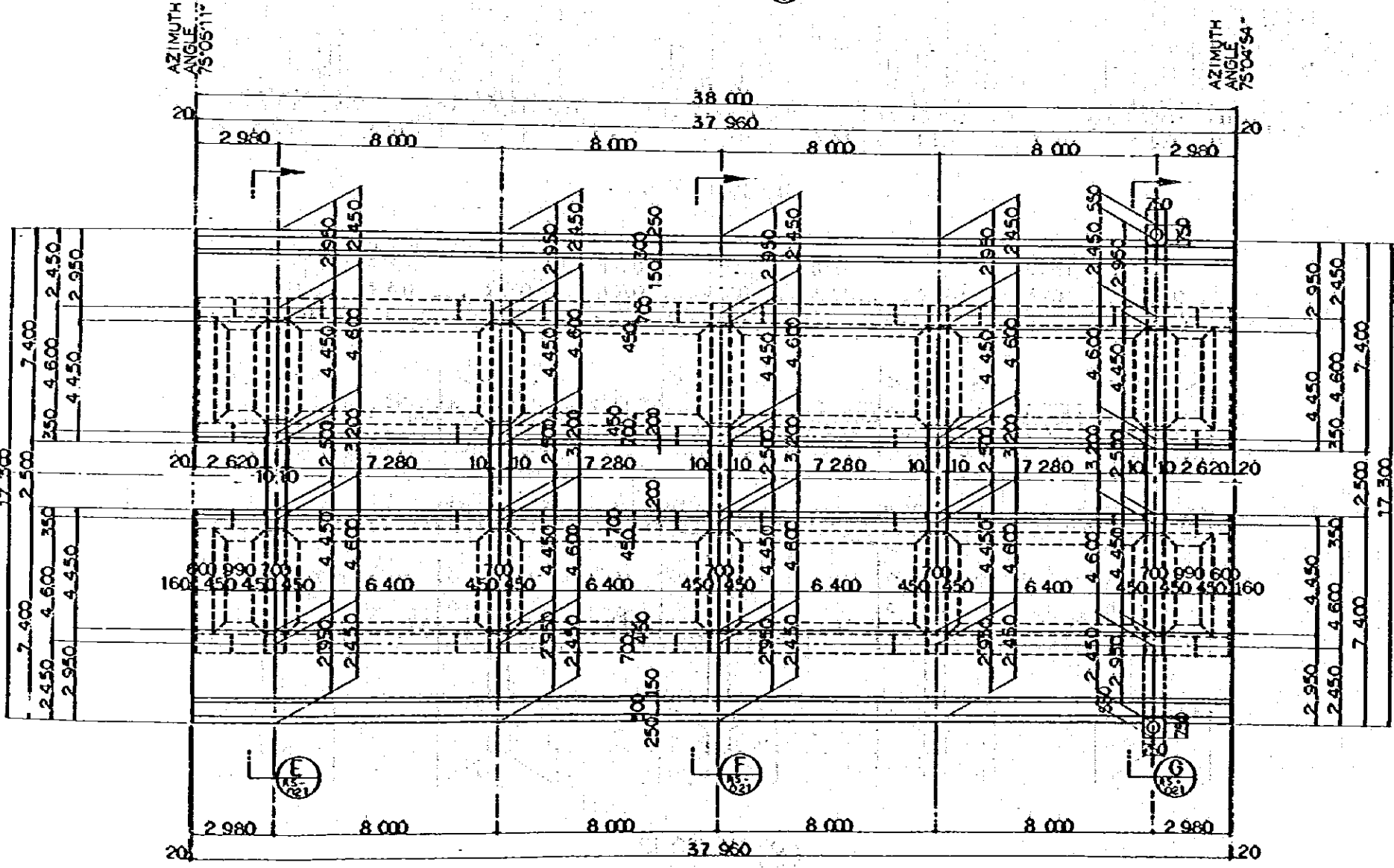
SECTION G

- NOTE :
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  2. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '84	T.K.	A.P.	R.H.	K.H.	M.K.
A	11 FEB '84	T.K.	A.P.	R.H.	K.H.	M.K.
REVISION	DATE	DESIGNED	CHECKED	APPROVED	REVIEWED	QUANTITY
VIADUCT V139 GENERAL VIEW (SHEET 3 OF 3)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE		DRAWING NO.				
1:100		RS-018				



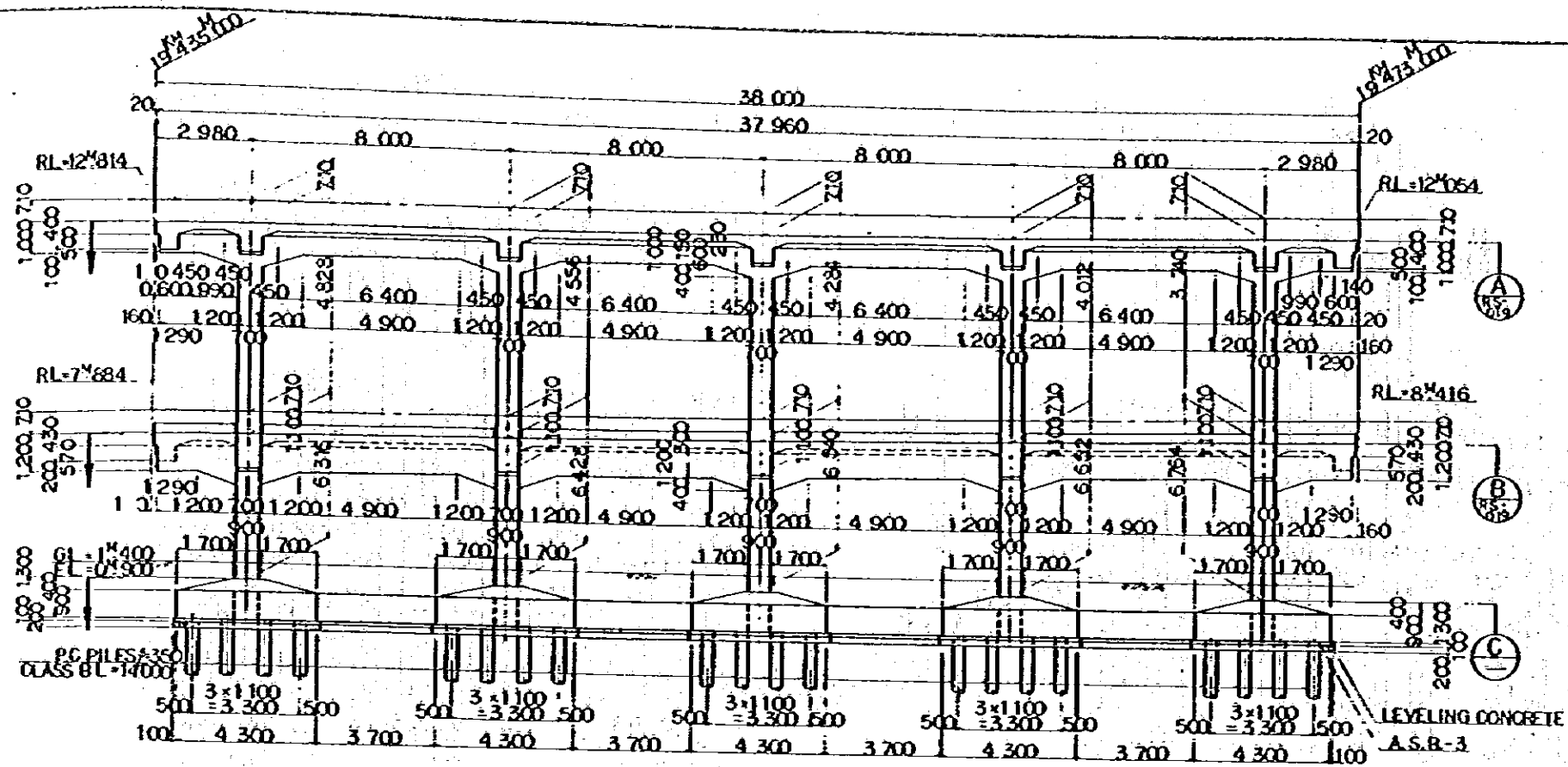
SECTION A



SECTION B

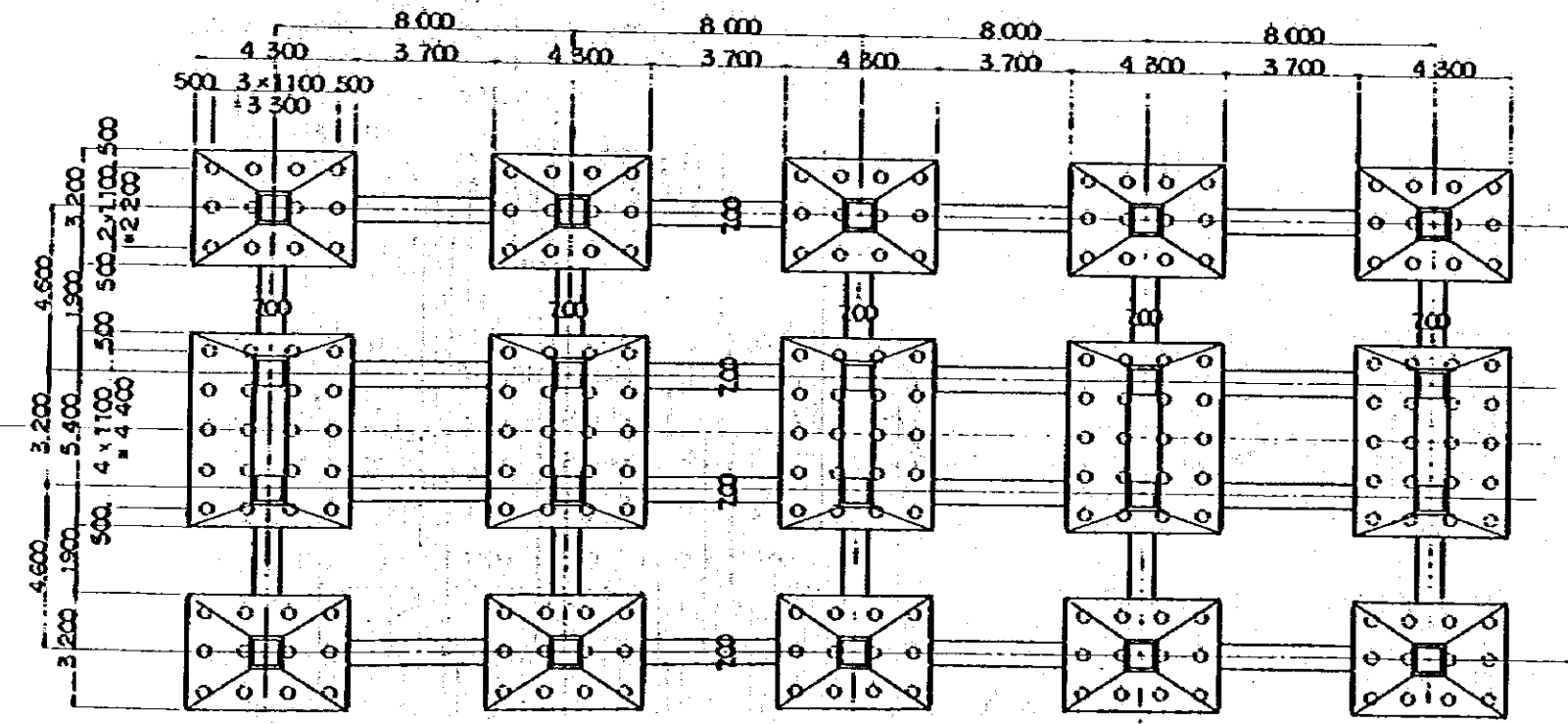
NOTE:  
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGLARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
8	1AUG/84	ZK	10	RA	AK
A	HERSE	TE	AD	KA	RI
REVISION	NO.	REASON	BY	CHECKED	DATE
VIADUCT V140 GENERAL VIEW (SHEET 1 OF 3)					
PROJECT: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-019			



SECTION D

NOTE:  
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

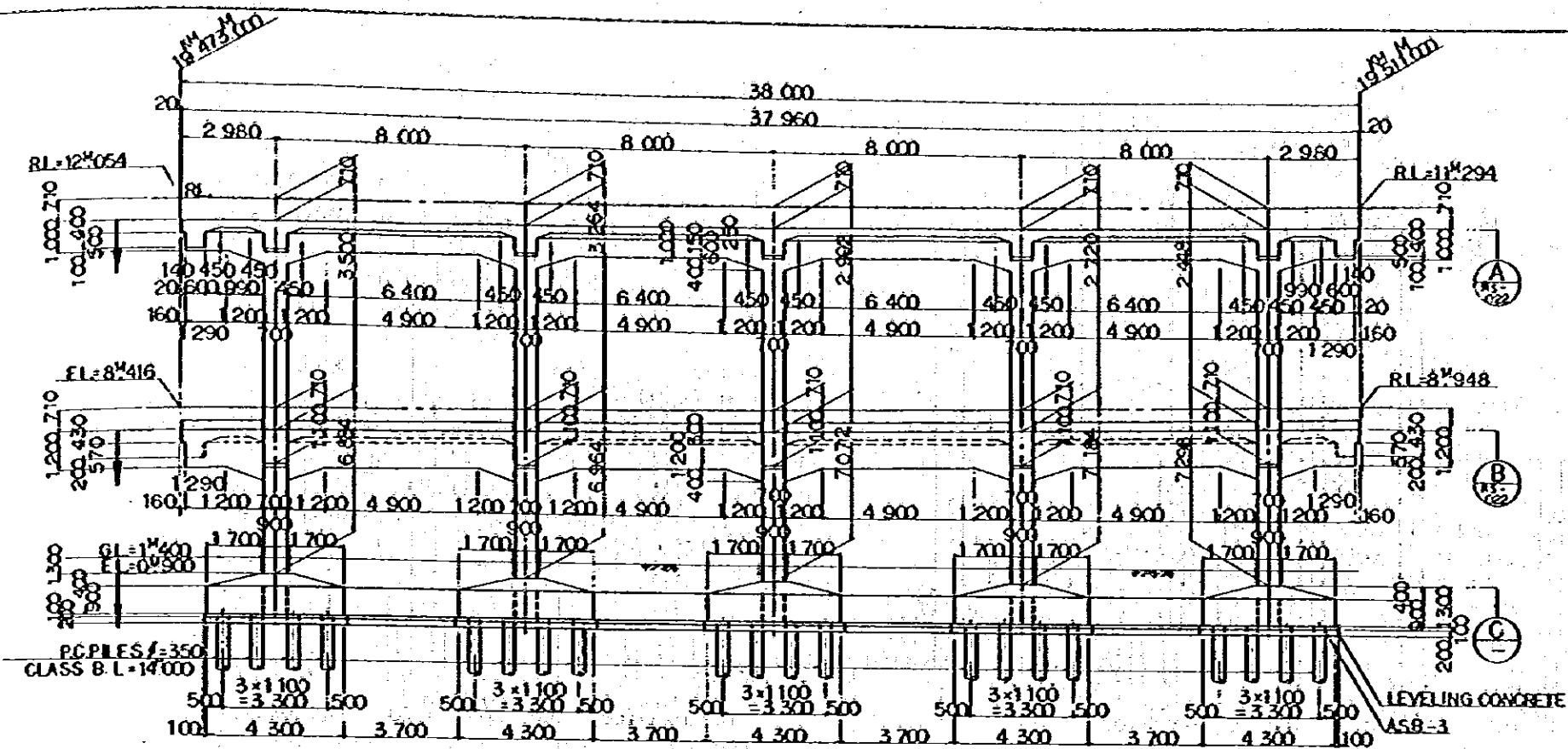


SECTION C

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR GENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG '84	IR	AO	KR	RM
A	15 FEB '84	IR	AO	KR	RM
REVISION	DATE	DESIGNED	CHECKED	APPROVED	QUANTITY
VIADUCT V140 GENERAL VIEW (SHEET 2 OF 3)					
PROGRAM: I CIVIL AND ARCHITECTURAL WORK					
SCALE	1:100		DESIGN NO.	RS-020	

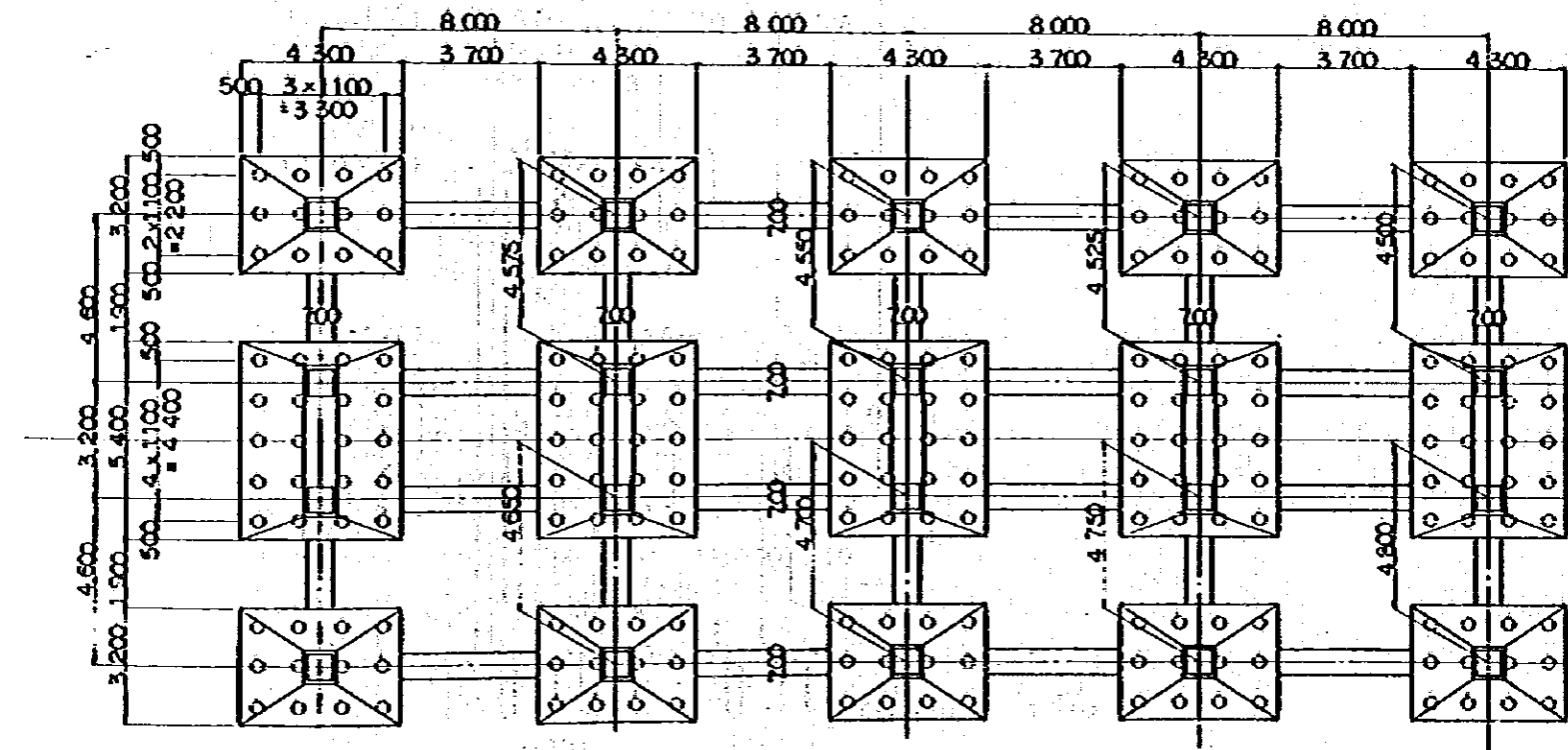






SECTION (B)

NOTE :  
 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED



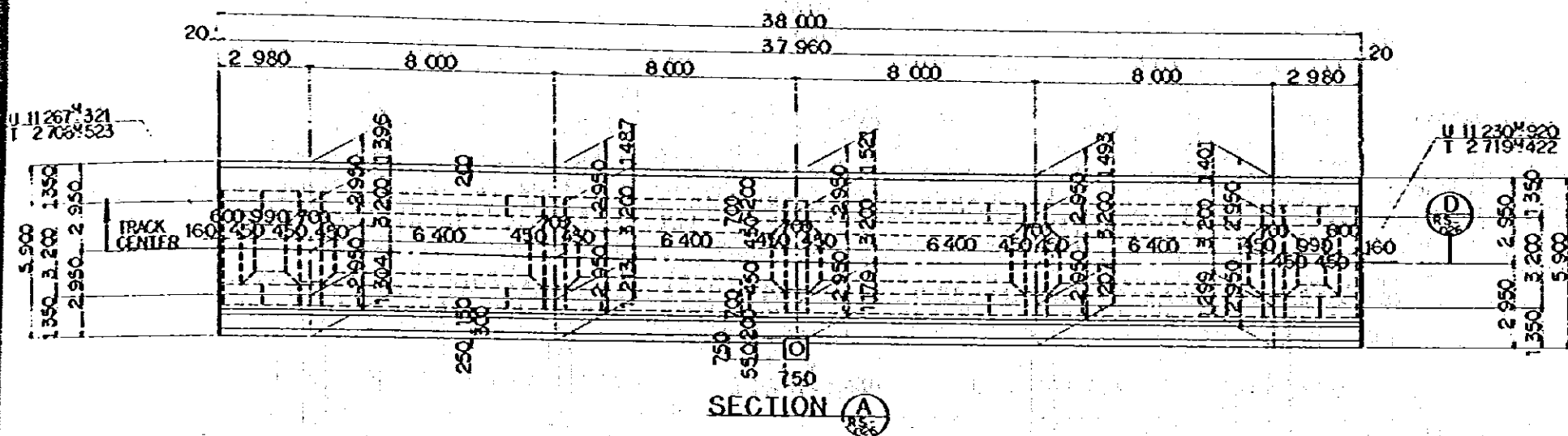
SECTION (C)

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGLARANG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 84	ZK	AD	KA	KM
A	1 SEP 84	ZK	AD	KA	KM
REVISION	DATE	DESIGNED	CHECKED	APPROVED	DATE
VIADUCT V141 GENERAL VIEW (SHEET 2 OF 3)					
PROJECT: CIVIL AND ARCHITECTURAL WORK					
SCALE	PROJECT NO.				
1:100	RS-023				

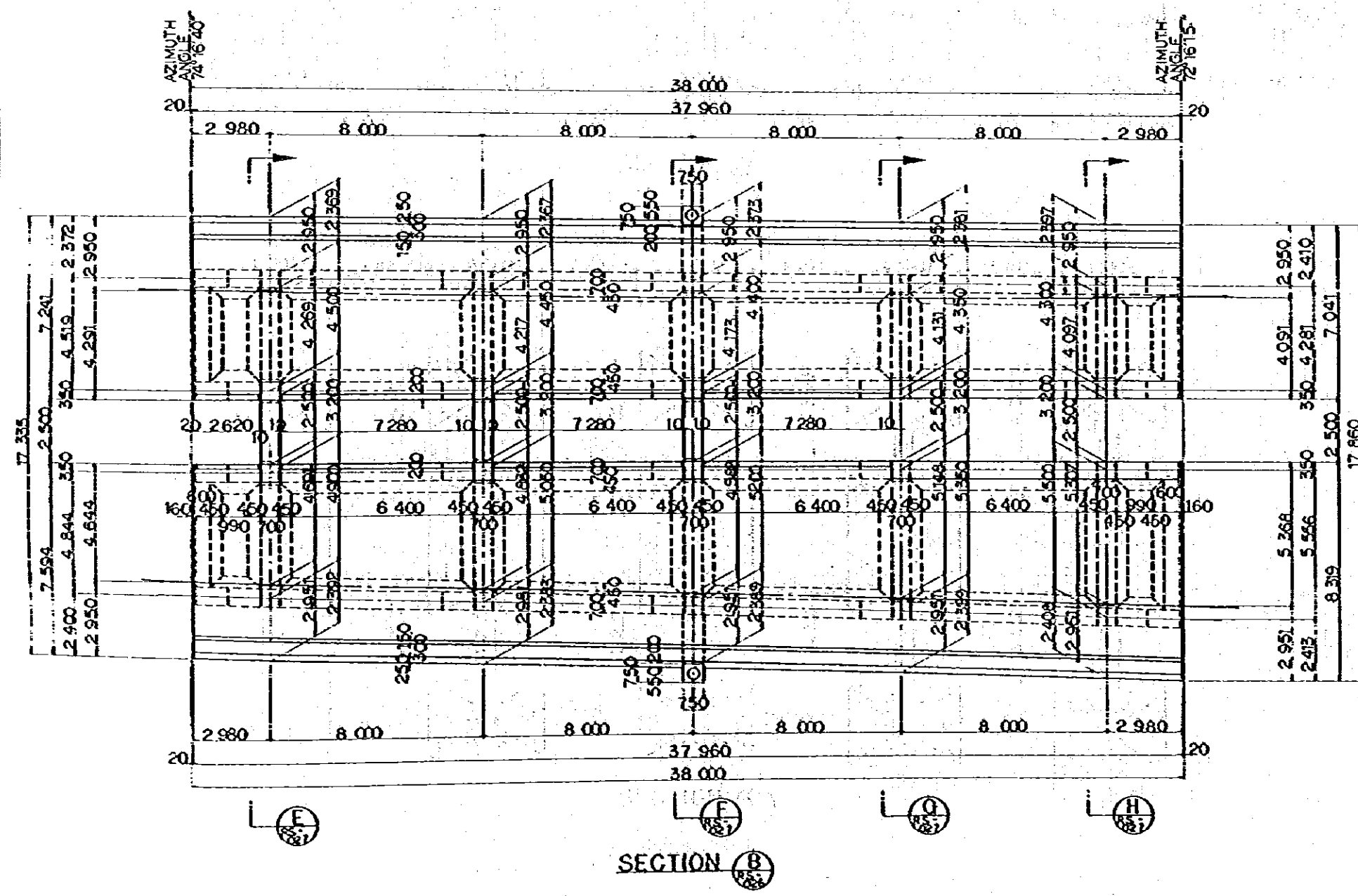








SECTION A

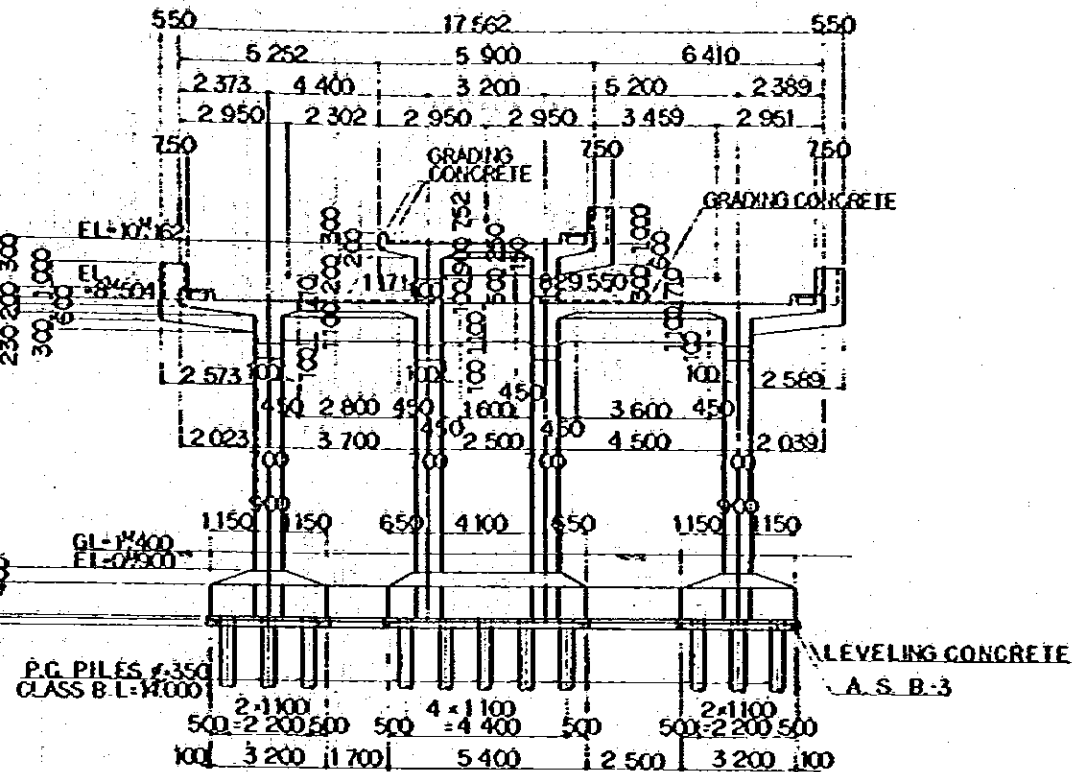
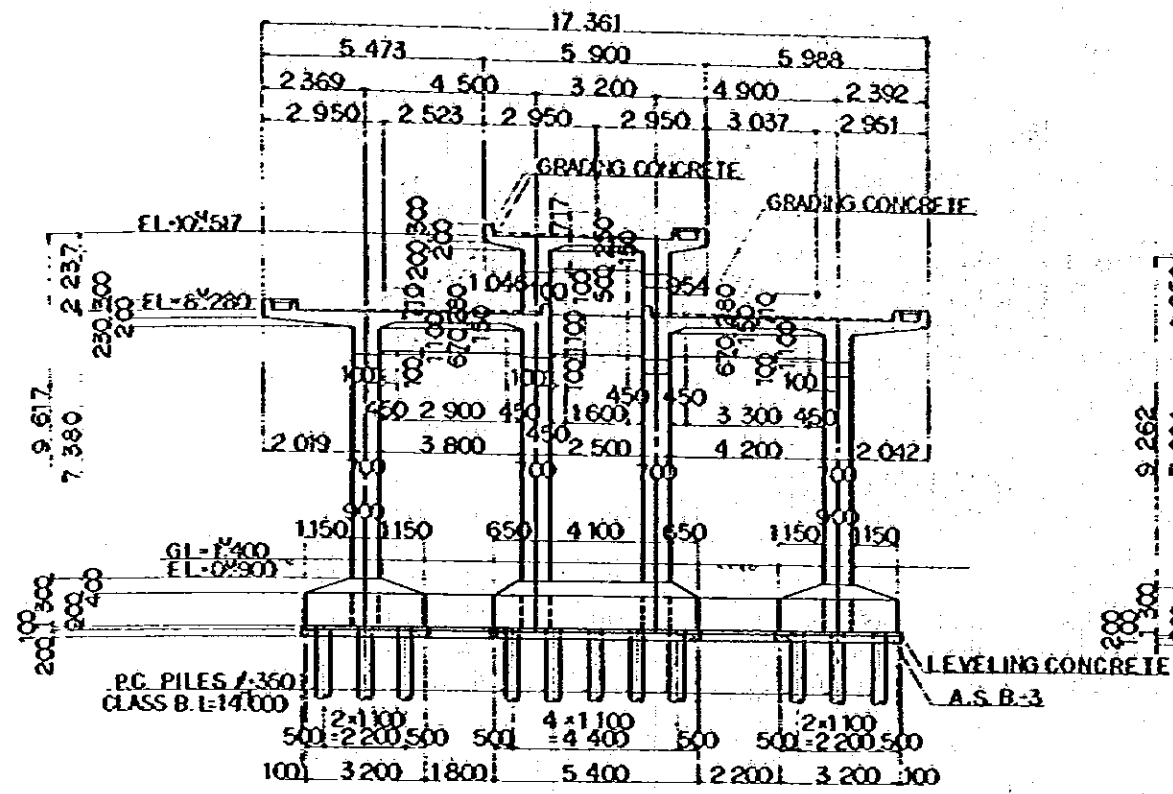


SECTION B

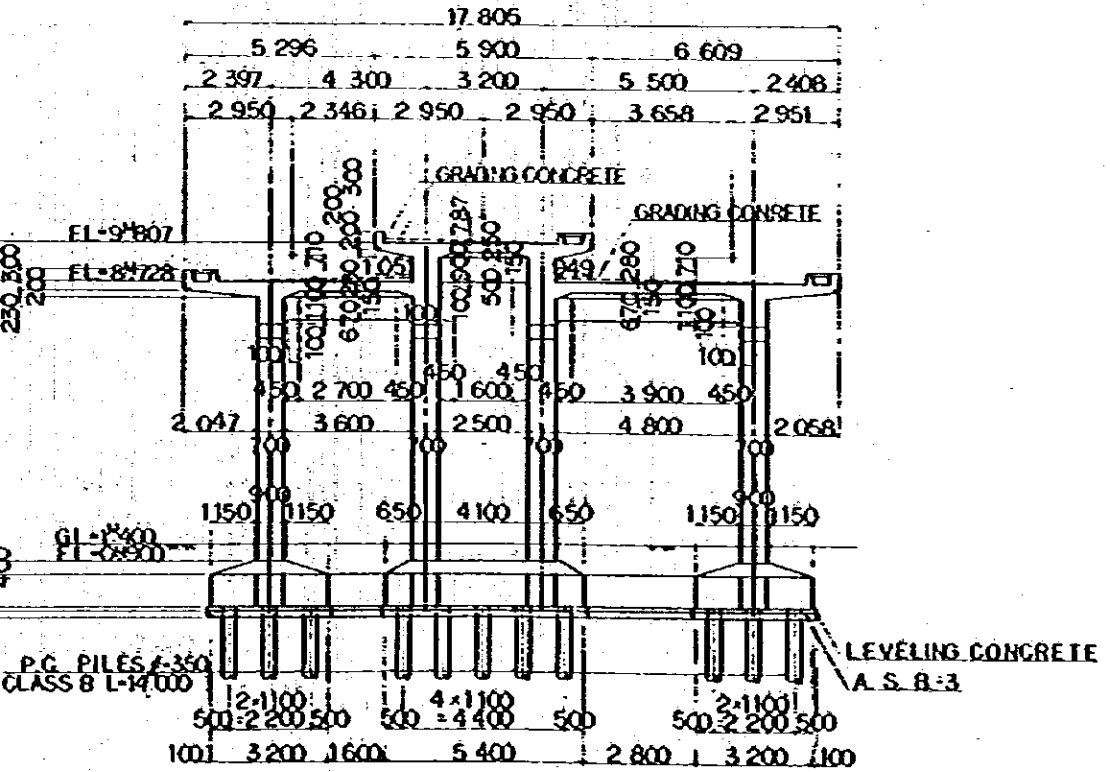
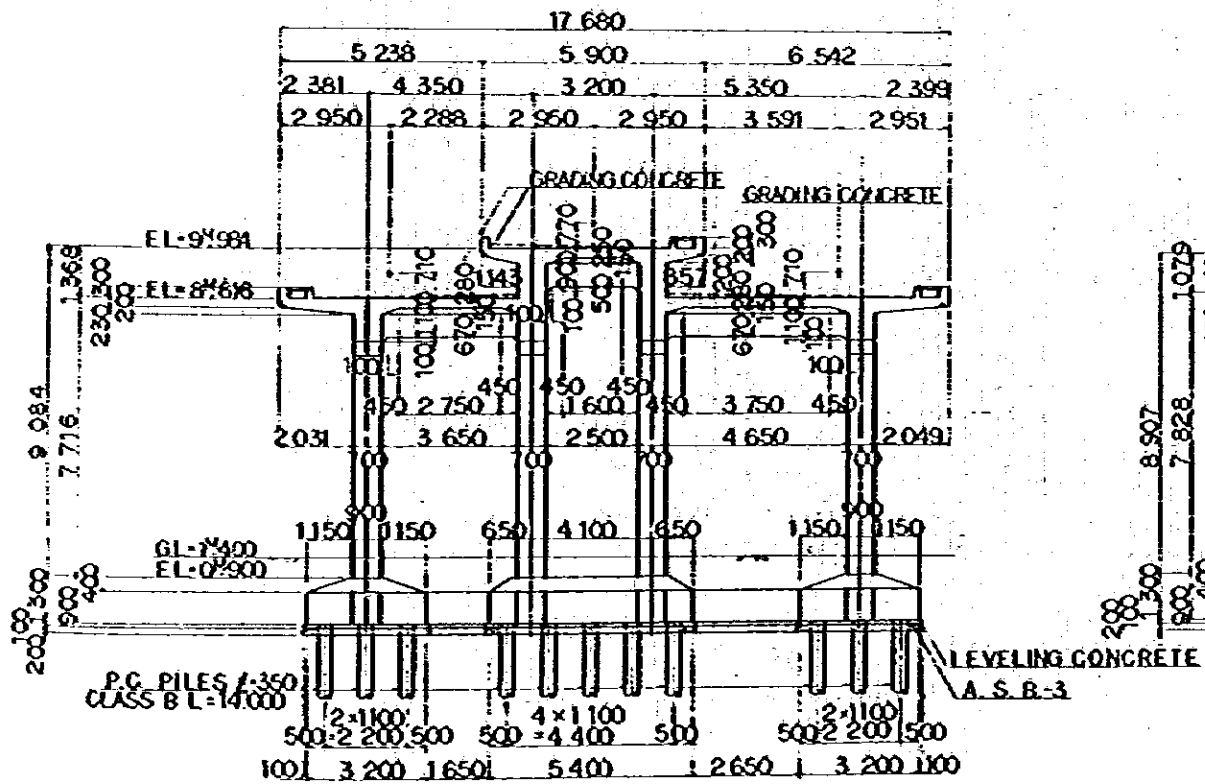
- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  2. REFERENCE DRAWING FOR GENERAL VIEW : CS - 137

REPUBLIC OF INDONESIA	
MINISTRY OF COMMUNICATIONS	
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS	
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	
S	1 AUG '84
A	REVISION
REVISED BY	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
VIADUCT VI42	
GENERAL VIEW	
(SHEET 1 OF 3)	
PROJECT: I CIVIL AND ARCHITECTURAL WORK	
SCALE: 1:100	DRAWING NO: RS-025

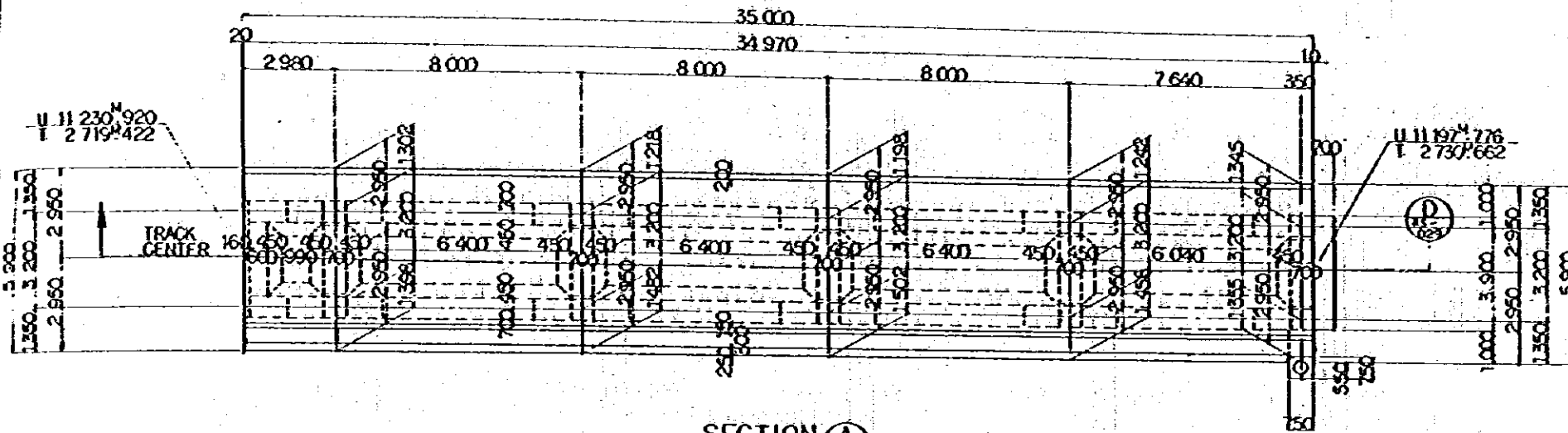




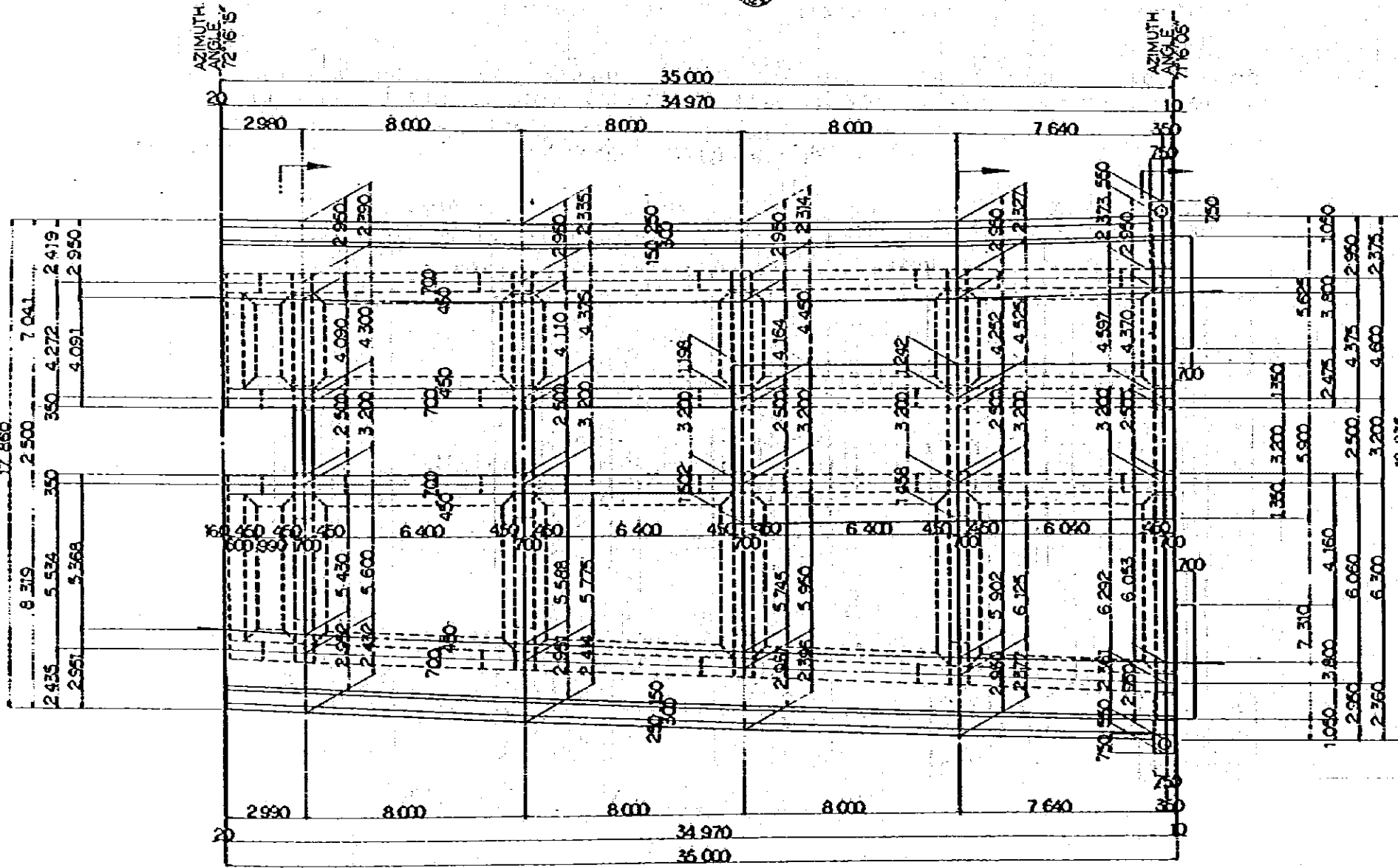
- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  2. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE



REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAA RAY LINE FOR CENGKAPENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
2	18 AUG '84	RR	AO	RR	RM
A	12 FEB '84	RR	AO	RR	RM
REVISION	DATE	DESIGNED	CHECKED	APPROVED	DATE
VIADUCT VI42 GENERAL VIEW (SHEET 3 OF 3)					
PROJECT: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-027			



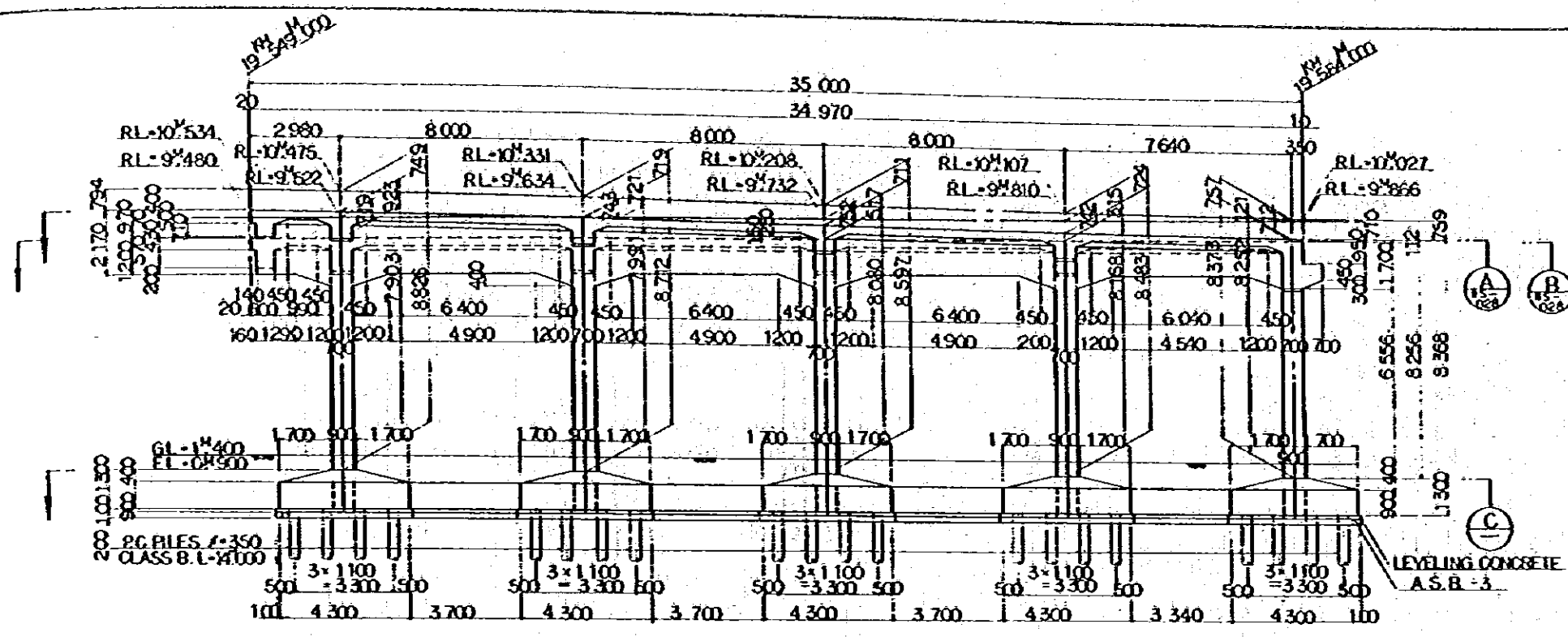
SECTION A



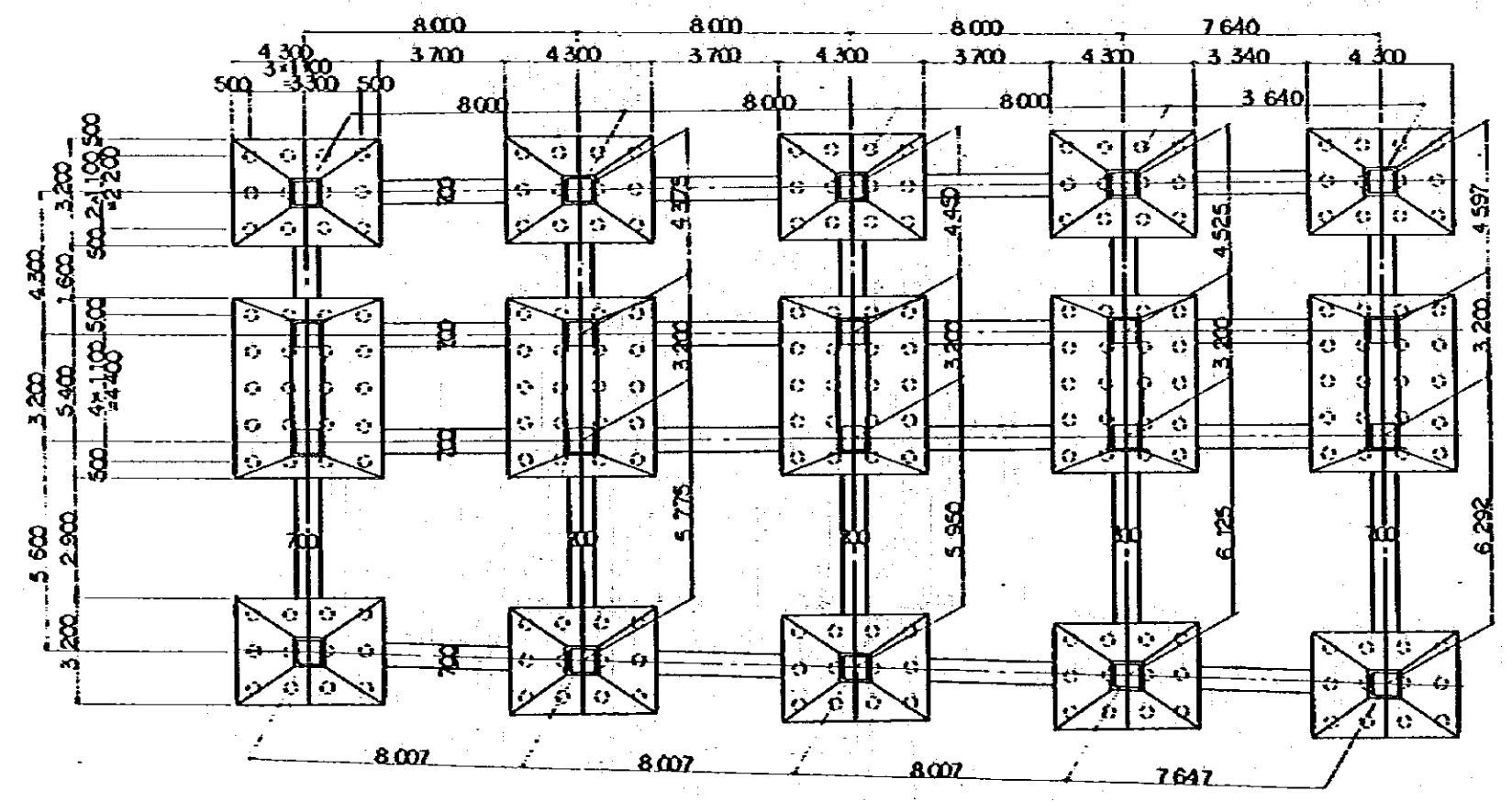
SECTION B

NOTE :  
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

REPUBLIC OF INDONESIA					
MINISTRY OF COMMUNICATIONS					
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CONGLUENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	TAUG'84	KK	AO	KI	KM
A	02/01/84	JK	AD	KA	KH
REVISION	DATE	DESIGNED	CHECKED	APPROVED	SUBMITTED
VIADUCT VI43 - GENERAL VIEW (SHEET 1 OF 3)					
PROGRAM : 1 CIVIL AND ARCHITECTURAL WORK					
SCALE : 1:100		DRAWING NO : RS-028			



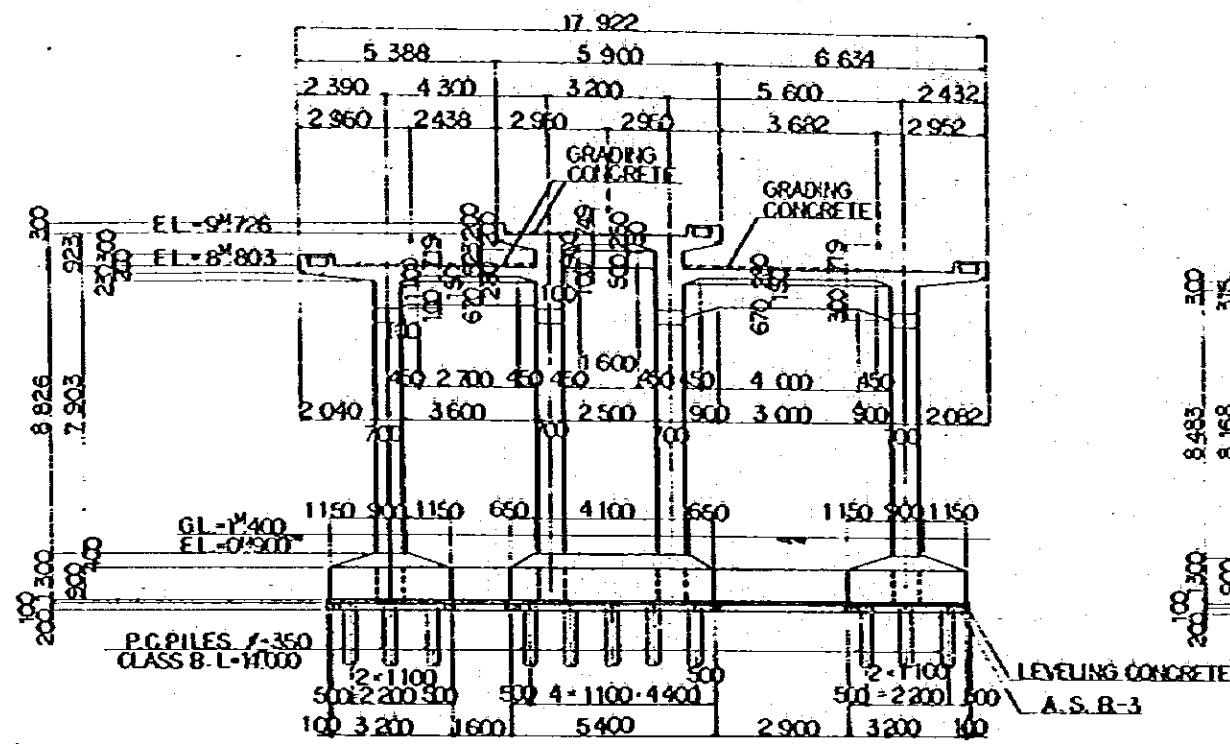
SECTION (D)



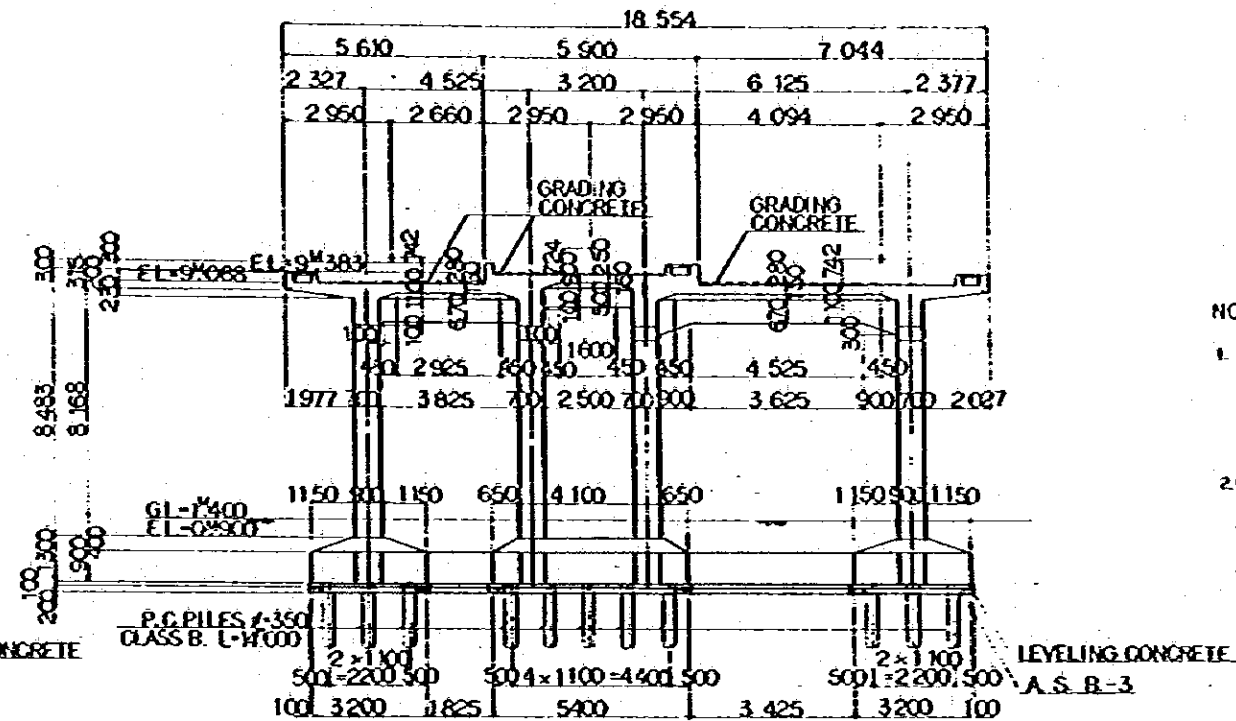
SECTION (C)

NOTE :  
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGLARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	TAUG'81	TR	AK	RM	AK
A	ARR	TR	AK	RM	AK
REVISION	DATE	DESIGNER	CHECKER	APPROVER	DATE
VIADUCT VI43 GENERAL VIEW (SHEET 2 OF 3)					
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-029			

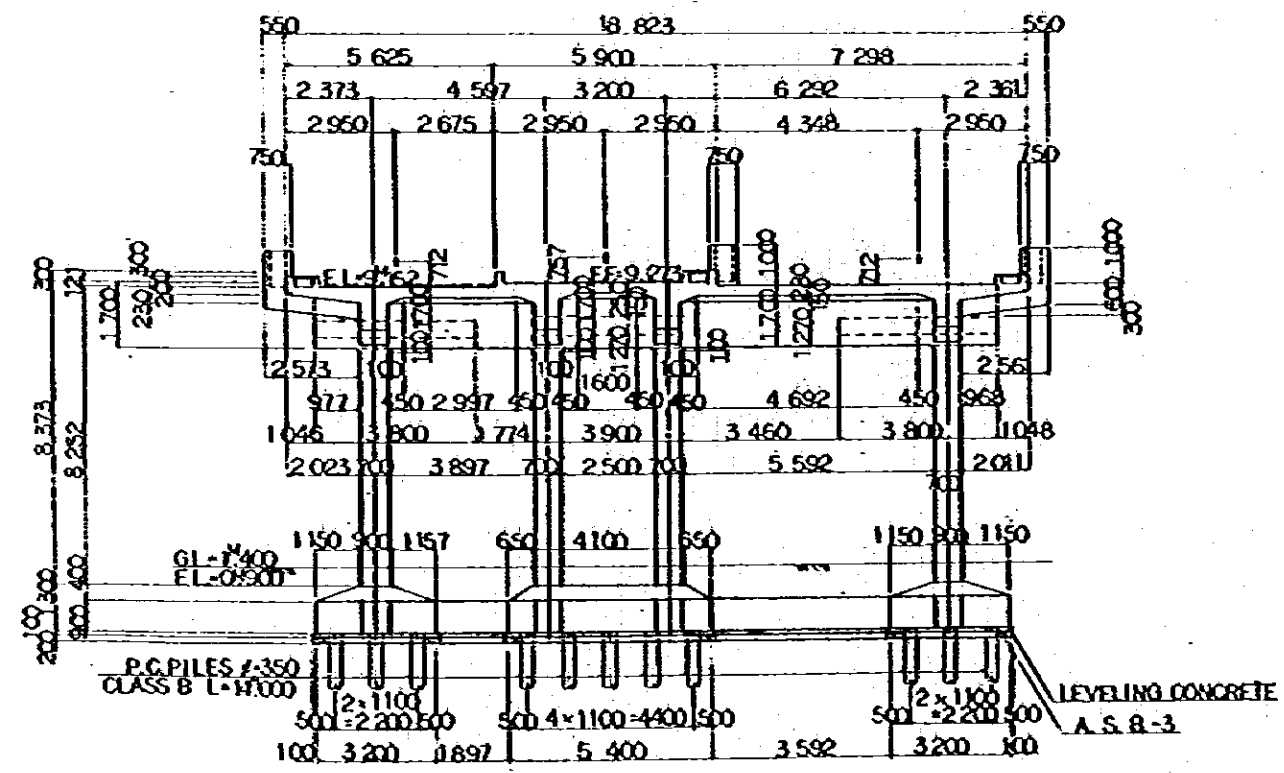


SECTION E



SECTION F

- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
  2. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE



SECTION G

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG '84	ZK	AD	RE	AM
A	1 SEP '84	ZK	AD	RE	AM
REVISION	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
VIADUCT VI43 GENERAL VIEW (SHEET 3 OF 3)					
PACKAGE: CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: RS-030			





JICA