

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

**TENDER DOCUMENTS
FOR
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT**

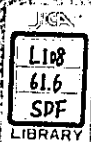
PACKAGE I CIVIL AND ARCHITECTURAL WORK

PART F DRAWINGS

1 of 3

AUGUST 1984

**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**



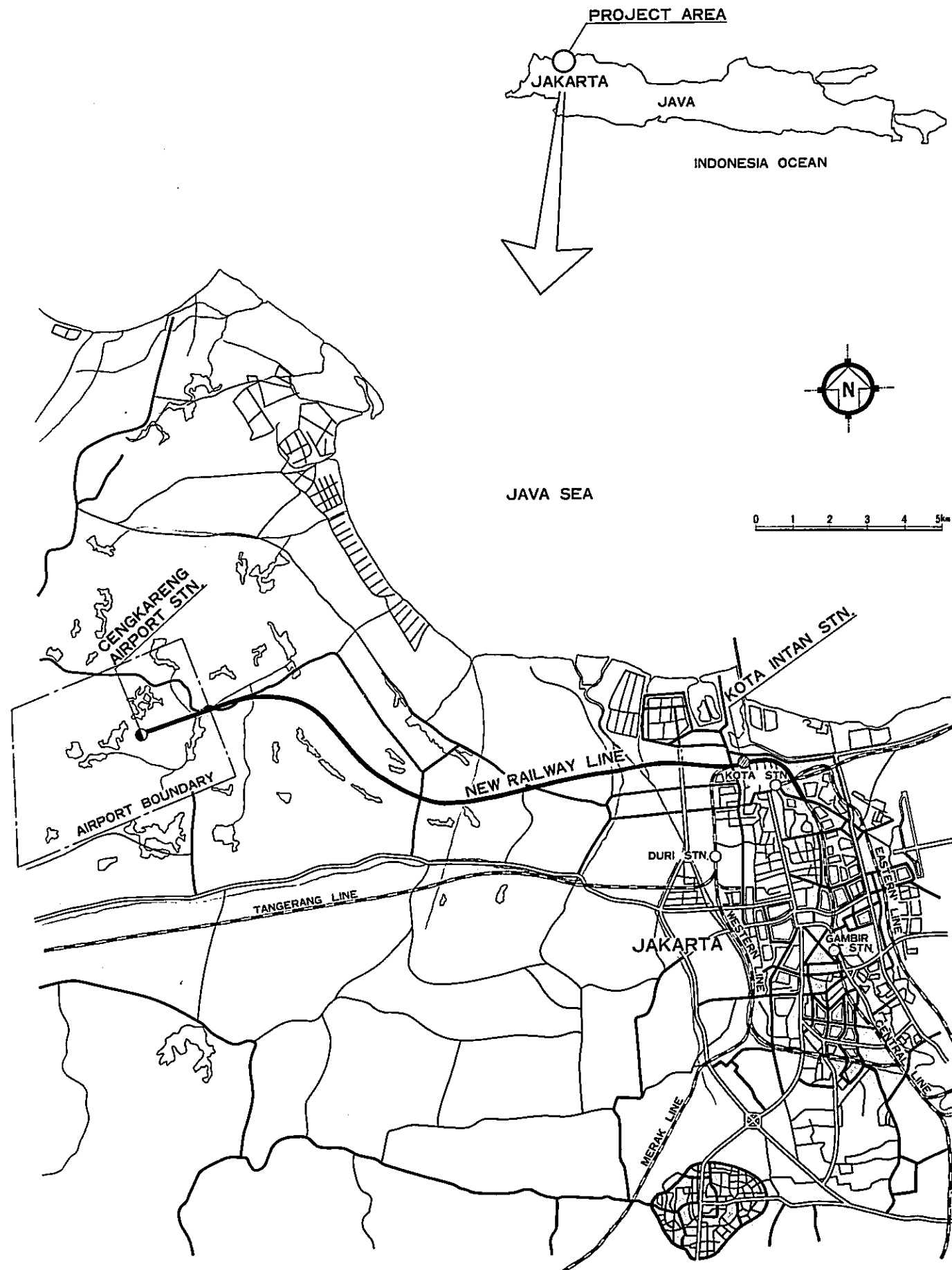
国際協力事業団
納入
月日 '84.11.19 1108
登録No. 10862 626
SDF
716.02

INDEX OF DRAWING

DWG. No.	TITLE	DWG. No.	TITLE
CG-001	GENERAL LOCATION MAP AND ABBREVIATIONS	CG-032	PLAN (SHEET 29 OF 45)
002	3RD AND 4TH GRADE CONTROL POINTS AND BENCH MARKS	033	-DO- (SHEET 30 OF 45)
003	SETTING OUT DATA FOR TRACK	034	-DO- (SHEET 31 OF 45)
004	PLAN (SHEET 1 OF 45)	035	-DO- (SHEET 32 OF 45)
005	-DO- (SHEET 2 OF 45)	036	-DO- (SHEET 33 OF 45)
006	-DO- (SHEET 3 OF 45)	037	-DO- (SHEET 34 OF 45)
007	-DO- (SHEET 4 OF 45)	038	-DO- (SHEET 35 OF 45)
008	-DO- (SHEET 5 OF 45)	039	-DO- (SHEET 36 OF 45)
009	-DO- (SHEET 6 OF 45)	040	-DO- (SHEET 37 OF 45)
010	-DO- (SHEET 7 OF 45)	041	-DO- (SHEET 38 OF 45)
011	-DO- (SHEET 8 OF 45)	042	-DO- (SHEET 39 OF 45)
012	-DO- (SHEET 9 OF 45)	043	-DO- (SHEET 40 OF 45)
013	-DO- (SHEET 10 OF 45)	044	-DO- (SHEET 41 OF 45)
014	-DO- (SHEET 11 OF 45)	045	-DO- (SHEET 42 OF 45)
015	-DO- (SHEET 12 OF 45)	046	-DO- (SHEET 43 OF 45)
016	-DO- (SHEET 13 OF 45)	047	-DO- (SHEET 44 OF 45)
017	-DO- (SHEET 14 OF 45)	048	-DO- (SHEET 45 OF 45)
018	-DO- (SHEET 15 OF 45)	049	PROFILE (SHEET 1 OF 16)
019	-DO- (SHEET 16 OF 45)	050	-DO- (SHEET 2 OF 16)
020	-DO- (SHEET 17 OF 45)	051	-DO- (SHEET 3 OF 16)
021	-DO- (SHEET 18 OF 45)	052	-DO- (SHEET 4 OF 16)
022	-DO- (SHEET 19 OF 45)	053	-DO- (SHEET 5 OF 16)
023	-DO- (SHEET 20 OF 45)	054	-DO- (SHEET 6 OF 16)
024	-DO- (SHEET 21 OF 45)	055	-DO- (SHEET 7 OF 16)
025	-DO- (SHEET 22 OF 45)	056	-DO- (SHEET 8 OF 16)
026	-DO- (SHEET 23 OF 45)	057	-DO- (SHEET 9 OF 16)
027	-DO- (SHEET 24 OF 45)	058	-DO- (SHEET 10 OF 16)
028	-DO- (SHEET 25 OF 45)	059	-DO- (SHEET 11 OF 16)
029	-DO- (SHEET 26 OF 45)	060	-DO- (SHEET 12 OF 16)
030	-DO- (SHEET 27 OF 45)	061	-DO- (SHEET 13 OF 16)
031	-DO- (SHEET 28 OF 45)	062	-DO- (SHEET 14 OF 16)

INDEX OF DRAWING

DWG. No.	TITLE	DWG. No.	TITLE
CG-063	PROFILE (SHEET 15 OF 16)	CE-007	RELOCATION OF WATERWAY AND DETAILS OF CONCRETE FOR SLOPE PROTECTION
064	— DO — (SHEET 16 OF 16)	008	DETAILS OF EMBANKMENT AT ABUTMENTS
065	ROADWAY DIAGRAPH	009	DETAILS OF RETAINING WALL AT STA. 11 ^{KM} 240 ^M AND STA. 19 ^{KM} 490 ^M
066	RIGHT-OF-WAY PLAN (SHEET 1 OF 11)	010	BOX CULVERT Cb00 GENERAL VIEW
067	— DO — (SHEET 2 OF 11)	011	BOX CULVERT Cb00 BAR ARRANGEMENT
068	— DO — (SHEET 3 OF 11)	012	BOX CULVERT Cb01 GENERAL VIEW
069	— DO — (SHEET 4 OF 11)	013	BOX CULVERT Cb01 BAR ARRANGEMENT
070	— DO — (SHEET 5 OF 11)	014	BOX CULVERT Cb02, Cb03 GENERAL VIEW
071	— DO — (SHEET 6 OF 11)	015	BOX CULVERT Cb04 GENERAL VIEW
072	— DO — (SHEET 7 OF 11)	016	BOX CULVERT Cb04 BAR ARRANGEMENT
073	— DO — (SHEET 8 OF 11)	017	BOX CULVERT Cb05 GENERAL VIEW
074	— DO — (SHEET 9 OF 11)	018	BOX CULVERT Cb06~Cb09, Cb11, Cb26, Cb28 GENERAL VIEW
075	— DO — (SHEET 10 OF 11)	019	BOX CULVERT Cb02, Cb03, Cb06~Cb09, Cb11, Cb26, Cb28 BAR ARRANGEMENT
076	— DO — (SHEET 11 OF 11)	020	BOX CULVERT Cb10 GENERAL VIEW
077	SETTING OUT PLAN OF TRACKS IN KOTA INTAN STATION (SHEET 1 OF 2)	021	BOX CULVERT Cb10 BAR ARRANGEMENT
078	— DO — (SHEET 2 OF 2)	022	BOX CULVERT Cb12~Cb16, Cb19, Cb20 GENERAL VIEW
079	SETTING OUT PLAN OF TRACKS IN JAYAKARTA SIGNAL STATION (SHEET 1 OF 4)	023	BOX CULVERT Cb12~Cb16, Cb19, Cb20 BAR ARRANGEMENT
080	— DO — (SHEET 2 OF 4)	024	BOX CULVERT Cb17 GENERAL VIEW
081	— DO — (SHEET 3 OF 4)	025	BOX CULVERT Cb17 BAR ARRANGEMENT
082	— DO — (SHEET 4 OF 4)	026	BOX CULVERT Cb18 GENERAL VIEW
083	SETTING OUT PLAN OF TRACKS IN SIGNAL STATION A	027	BOX CULVERT Cb18 BAR ARRANGEMENT
084	SETTING OUT PLAN OF TRACKS IN SIGNAL STATION B	028	BOX CULVERT Cb21 GENERAL VIEW
CT-001	TRACK LAYOUT SHIFTING PLAN AT EAST OF KOTA STATION	029	BOX CULVERT Cb22 GENERAL VIEW
002	TRACK LAYOUT SHIFTING PLAN AT CROSS OVER OF WESTERN LINE AND GUDANG FREIGHT TERMINAL (SHEET 1 OF 2)	030	BOX CULVERT Cb22 BAR ARRANGEMENT
003	— DO — (SHEET 2 OF 2)	031	BOX CULVERT Cb23 GENERAL VIEW
CE-001	RELOCATION OF ROADS (SHEET 1 OF 6)	032	BOX CULVERT Cb24 GENERAL VIEW
002	— DO — (SHEET 2 OF 6)	033	BOX CULVERT Cb25 GENERAL VIEW
003	— DO — (SHEET 3 OF 6)	034	BOX CULVERT Cb27 GENERAL VIEW
004	— DO — (SHEET 4 OF 6)	035	BOX CULVERT Cb29 GENERAL VIEW
005	— DO — (SHEET 5 OF 6)	036	BOX CULVERT Cb29 BAR ARRANGEMENT
006	— DO — (SHEET 6 OF 6)	037	GENERAL VIEW OF RETAINING WALL FOR BOX CULVERTS



GENERAL ABBREVIATIONS (FOR ARCHITECTURAL ABBREVIATIONS)
(REFER DWGS. AA-001 AND AA-002)

- Ab1 ABUTMENT NO. 1
- BO1 BRIDGE NO. 1
- Cb1 CULVERT BOX NO. 1
- D.L. DATUM LINE
- EL. ELEVATION
- F.L. FORMATION LEVEL
- G.L. GROUND LEVEL
- I.E. INVERT ELEVATION
- JIAC. JAKARTA INTERNATIONAL AIRPORT CENGKARENG
- JL. JALAN (STREET)
- LC1 LEVEL CROSSING NO. 1
- PO1 PIER NO. 1
- PCO1 PRESTRESSED CONCRETE GIRDER NO. 01
- RCO1 REINFORCED CONCRETE GIRDER NO. 01
- RCP1 REINFORCED CONCRETE PLATFORM GIRDER NO. 1
- REINF. REINFORCEMENT
- R.L. RAIL LEVEL
- R.O.W. RIGHT-OF-WAY
- STN. STATION
- T. TIMUR (EAST)
- U. UTARA (NORTH)
- U1 U SHAPED RETAINING WALL NO. 1
- VOO1 VIADUCT NO. 001
- VP1 VIADUCT PLATFORM NO. 1
- W1 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 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			1 M	K.M
A	15 FEB 84	M.S.	M.S.	2/1	K.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
GENERAL LOCATION MAP AND ABBREVIATIONS					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE 1:70,000			DRAWING NO. CG-001		

GENERAL NOTES

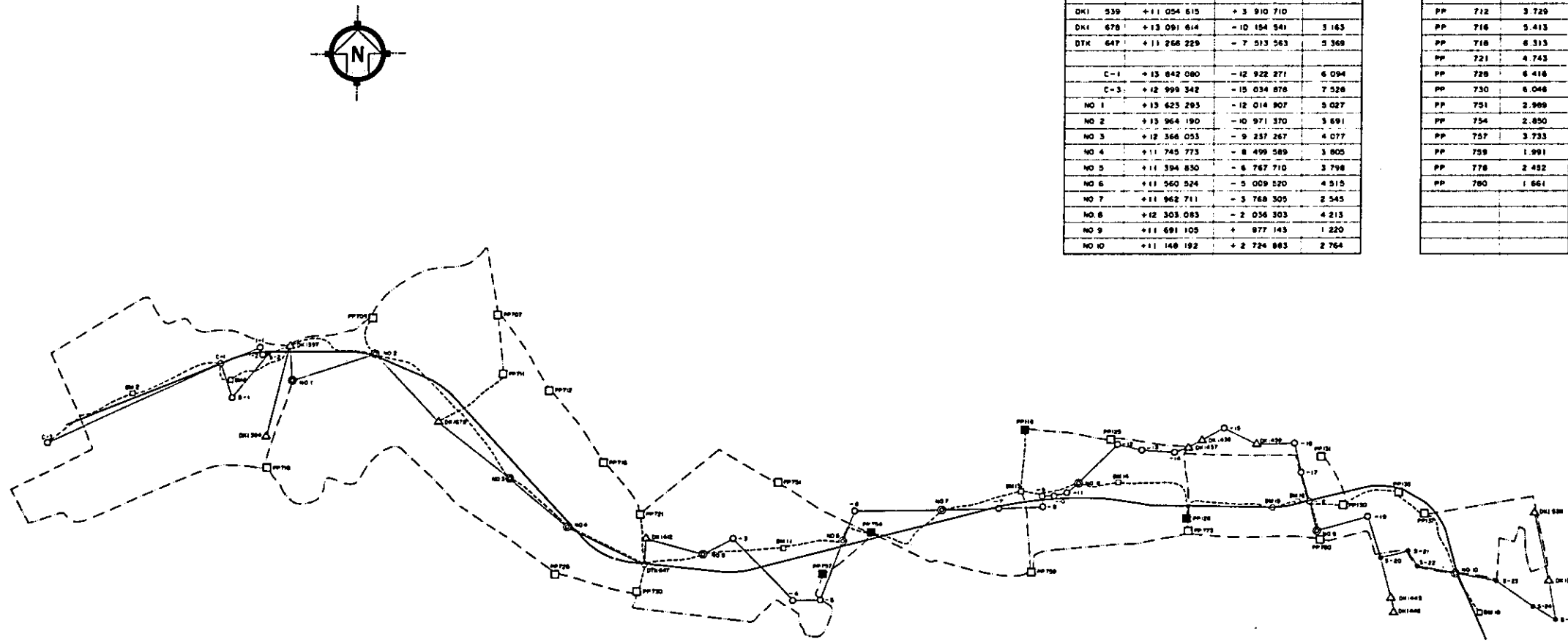
1. GRID SYSTEM IS BASED ON THE DKI GRID SYSTEM.
2. DATUM OF THE PROJECT IS BASED ON PP (PRIOK PILE), ESTABLISHED BY THE DKI.
3. MONUMENTAL POINTS AND BENCH MARKS SHOWN IN THE TABLES MAY BE USED AS TRIANGULATION STATIONS AND BENCH MARKS.
4. COORDINATES DIMENSIONS AND ELEVATIONS ARE IN METER.

POINTS NO	U (X)	T (Y)	H
DKI 394	+12 904 682	-12 331 783	5 227
DKI 397	+14 080 819	-12 040 287	5 246
DKI 412	+11 596 156	-7 497 050	
DKI 437	+12 760 848	-666 835	
DKI 438	+12 855 243	-492 037	
DKI 439	+12 805 709	+201 117	
DKI 445	+10 828 968	+1 907 207	
DKI 446	+10 651 960	+1 957 690	
DKI 528	+11 907 869	+3 735 218	
DKI 539	+11 054 615	+3 910 710	
DKI 678	+13 091 614	-10 184 541	3 163
DTK 647	+11 266 229	-7 513 563	5 369
C-1	+13 842 080	-12 922 271	6 094
C-3	+12 999 342	-15 034 876	7 528
NO 1	+13 625 293	-12 014 907	5 027
NO 2	+13 968 190	-10 971 370	5 691
NO 3	+12 366 053	-9 237 267	4 077
NO 4	+11 745 773	-8 499 589	3 805
NO 5	+11 394 850	-6 767 710	3 798
NO 6	+11 560 524	-5 009 320	4 515
NO 7	+11 962 711	-3 768 305	2 545
NO 8	+12 305 083	-2 036 303	4 213
NO 9	+11 691 105	+ 877 143	1 220
NO 10	+11 148 182	+ 2 724 863	2 764

DKI BM NO	H	BM NO	H
PP 116	1 351	BM 1 (C-3)	7 528
PP 125	3 509	BM 2	6 645
PP 128	1 092	BM 3 (C-1)	6 094
PP 130	2 811	BM 4 (DK1397)	5 246
PP 131	2 906	BM 5 (NO 2)	5 691
PP 137	1 603	BM 6	3 850
PP 705	4 728	BM 7 (NO 3)	4 077
PP 707	4 260	BM 8 (NO 4)	3 805
PP 711	4 317	BM 9 (DK1647)	5 369
PP 712	3 729	BM 10 (NO 5)	3 798
PP 716	5 413	BM 11	2 764
PP 718	6 313	BM 12 (NO 7)	2 545
PP 721	4 743	BM 13	2 185
PP 728	6 416	BM 14	2 558
PP 730	6 048	BM 15	0 780
PP 751	2 989	BM 16	4 852
PP 754	2 850	BM 17 (NO 10)	2 764
PP 757	3 733	BM 18	2 648
PP 759	1 991		
PP 778	2 482		
PP 780	1 661		

LEGEND

- △ Established point (DKI)
- Monumental point
- Observational point
- Node
- Connecting line
- DKI BM
- DKI BM (on accident point)
- New BM
- - - Levelling Route



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)

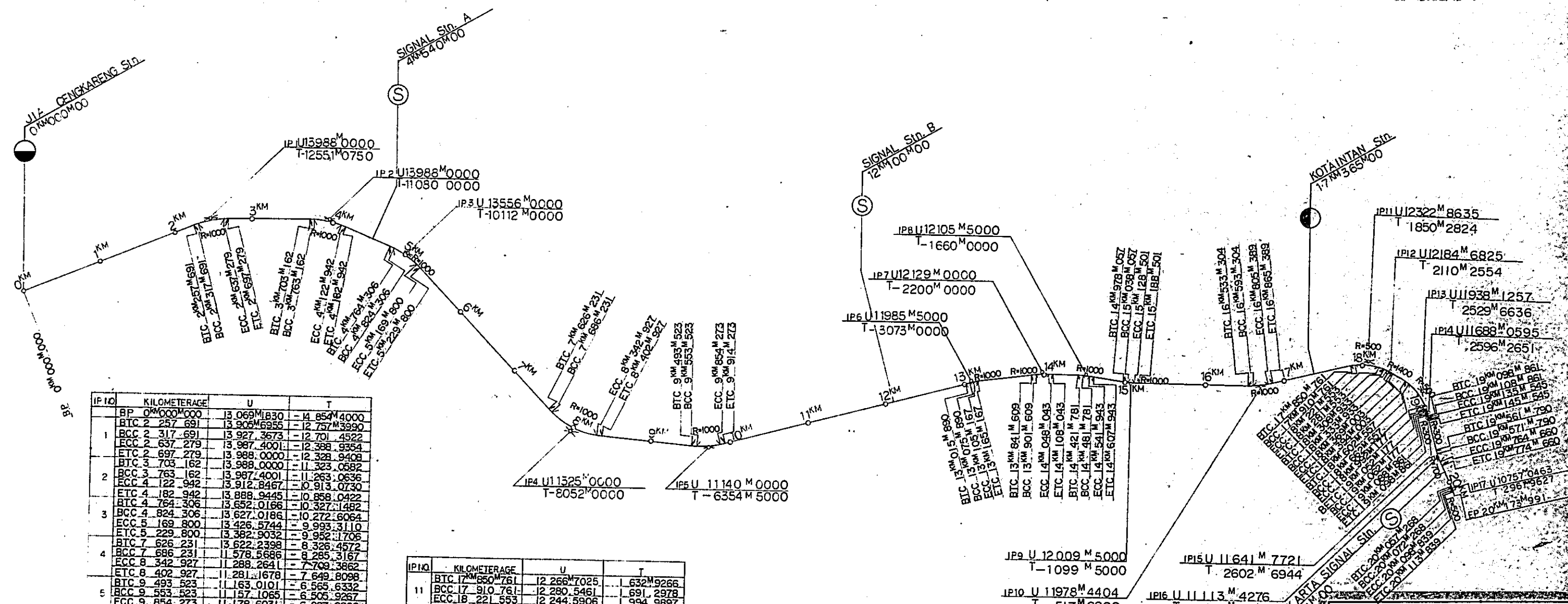
B	1 AUG '84	T.N	T.T	I.M	K.M	A.K
A	15 FEB '84	T.N	T.T	I.M	K.M	A.K

REVISIONS	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED

3RD AND 4TH GRADE CONTROL
 POINTS AND BENCH MARKS

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: DRAWING NO: CG-002



IP (K)	KILOMETERAGE	U	T
BIC 17	650.761	12.266.7025	1.632.9266
BCC 17	910.761	12.280.5461	1.691.2978
ECC 18	221.553	12.244.5906	1.994.9897
ETC 18	281.553	12.217.4991	2.048.5144
BIC 18	308.933	12.204.6483	2.072.6919
BCC 18	333.933	12.192.8491	2.094.7322
ECC 18	369.003	12.175.7293	2.125.3595
ETC 18	394.003	12.163.1239	2.146.9279
BIC 18	602.557	12.057.4317	2.326.7167
BCC 18	662.557	12.026.0018	2.377.8147
ECC 18	992.177	11.768.2877	2.573.6565
ETC 19	052.177	11.710.6383	2.590.2516
BIC 19	052.177	11.710.6383	2.590.2516
BCC 19	062.177	11.700.9611	2.592.7714
ECC 19	088.861	11.674.8128	2.598.0490
ETC 19	098.861	11.664.9158	2.599.4797
BIC 19	098.861	11.664.9158	2.599.4797
BCC 19	108.861	11.655.0188	2.600.9105
ECC 19	135.545	11.628.8705	2.606.1880
ETC 19	145.545	11.619.1933	2.608.7079
BIC 19	561.790	11.216.9700	2.715.8342
BCC 19	571.790	11.207.3130	2.718.4308
ECC 19	764.660	11.030.6212	2.794.2203
ETC 19	774.660	11.022.0841	2.799.4278
BIC 20	057.268	10.781.1700	2.947.1689
BCC 20	072.268	10.768.3441	2.954.9464
ECC 20	098.839	10.745.1374	2.967.8827
ETC 20	113.839	10.731.7774	2.974.7022
EP 20	173.991	10.678.0661	3.001.7811

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

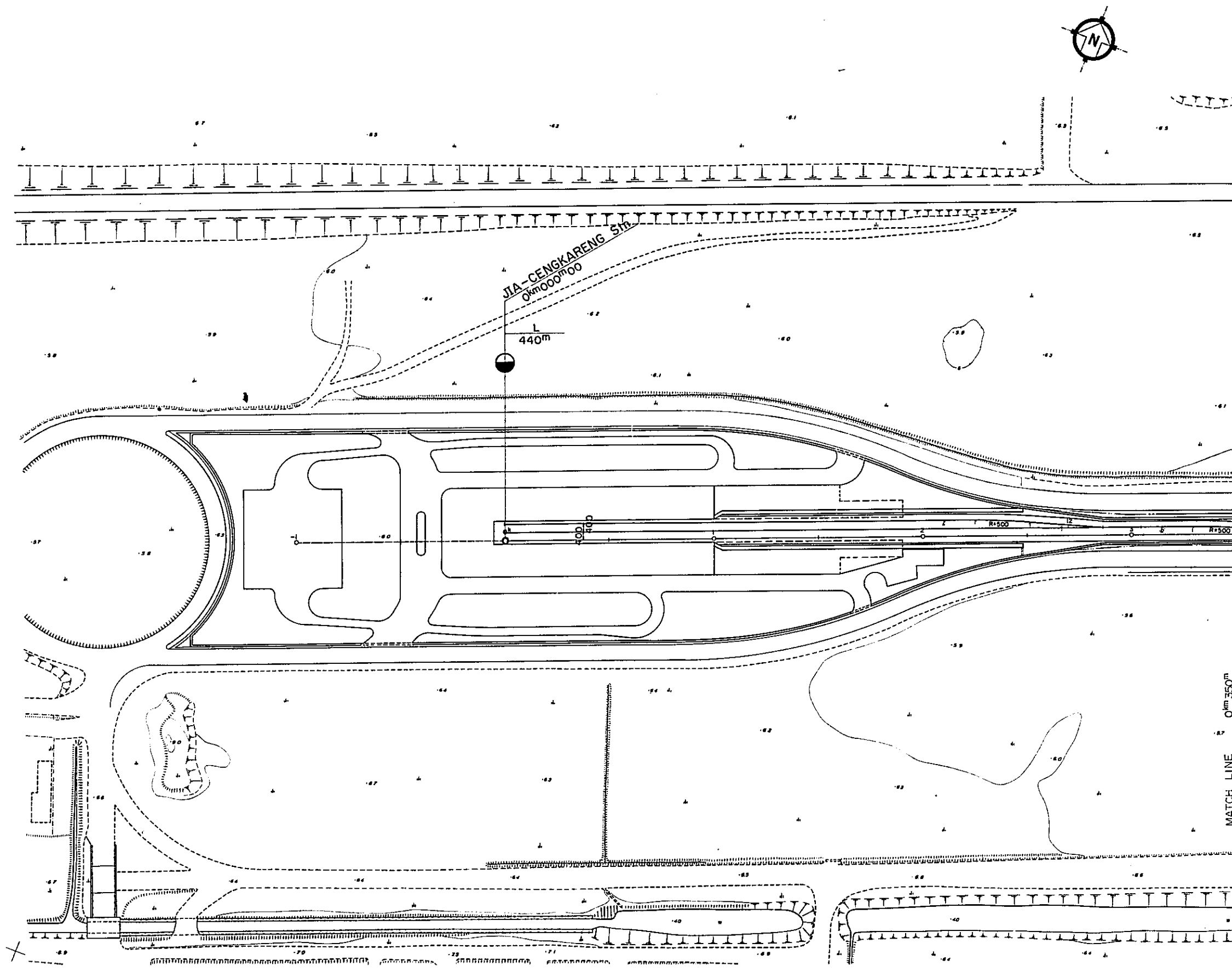
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS

SETTING-OUT DATE FOR TRACK

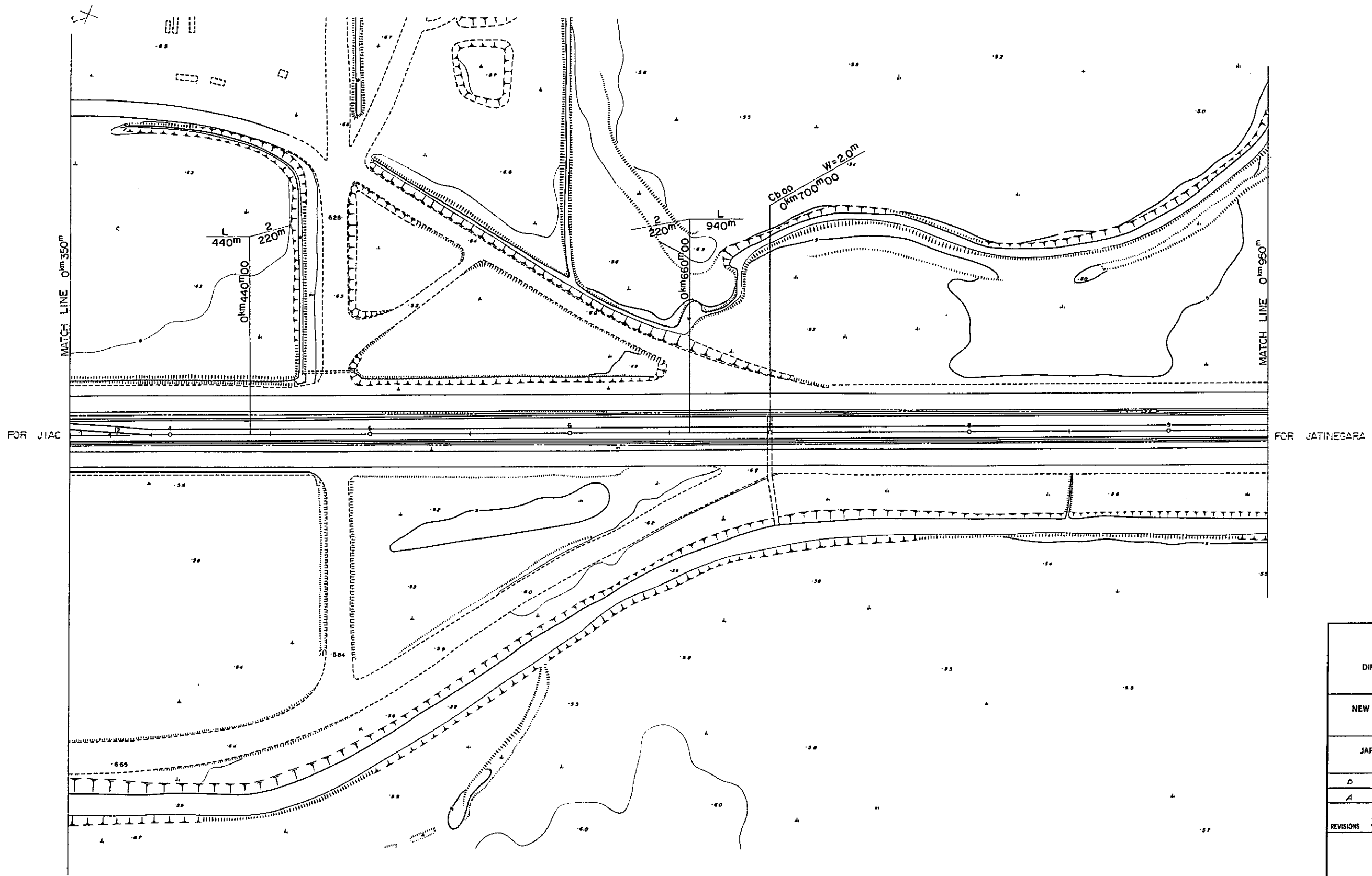
PACKAGE: CIVIL AND ARCHITECTURAL WORKS
 DRAWING NO: CG-1003

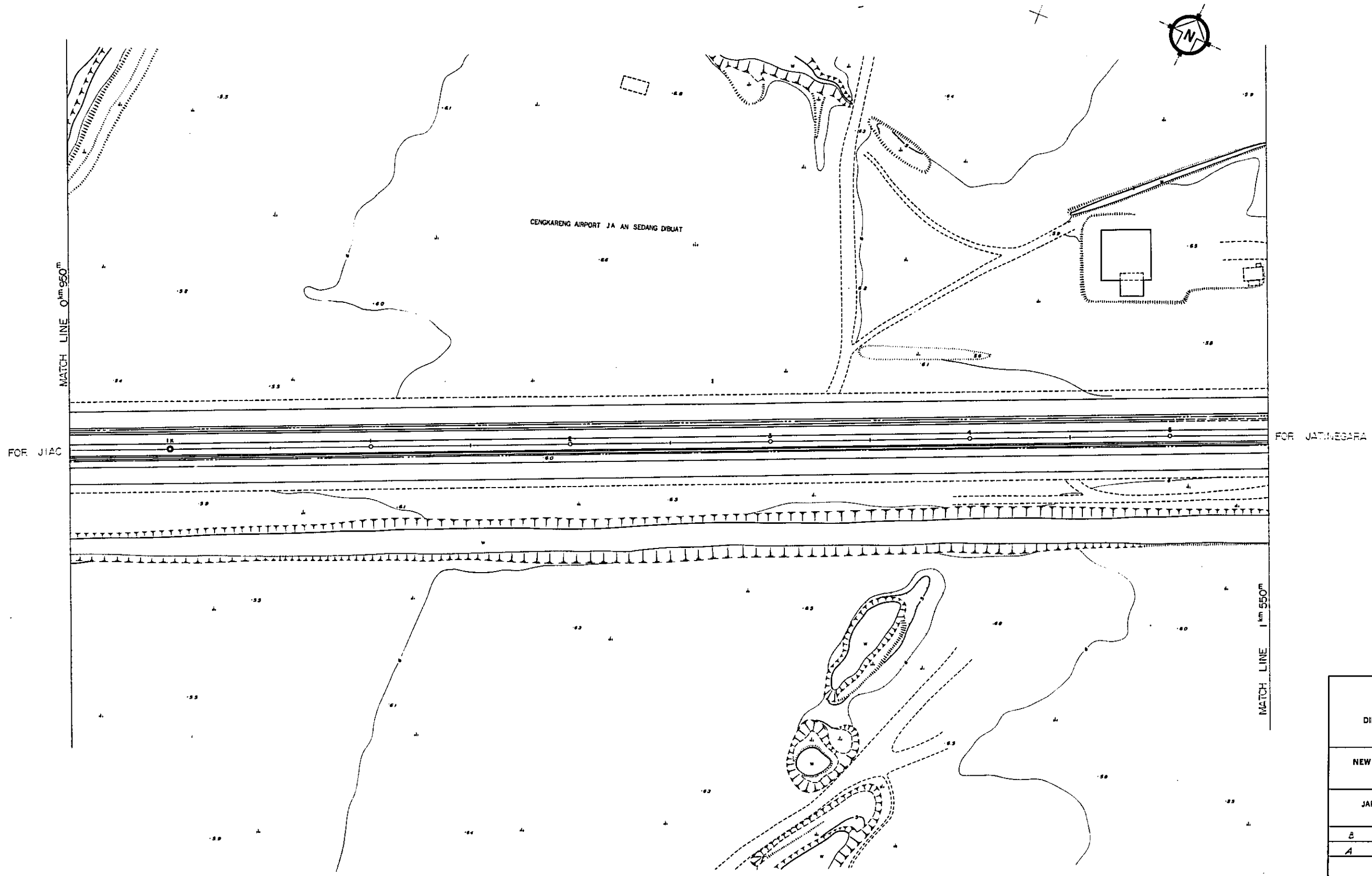


FOR JATINEGARA

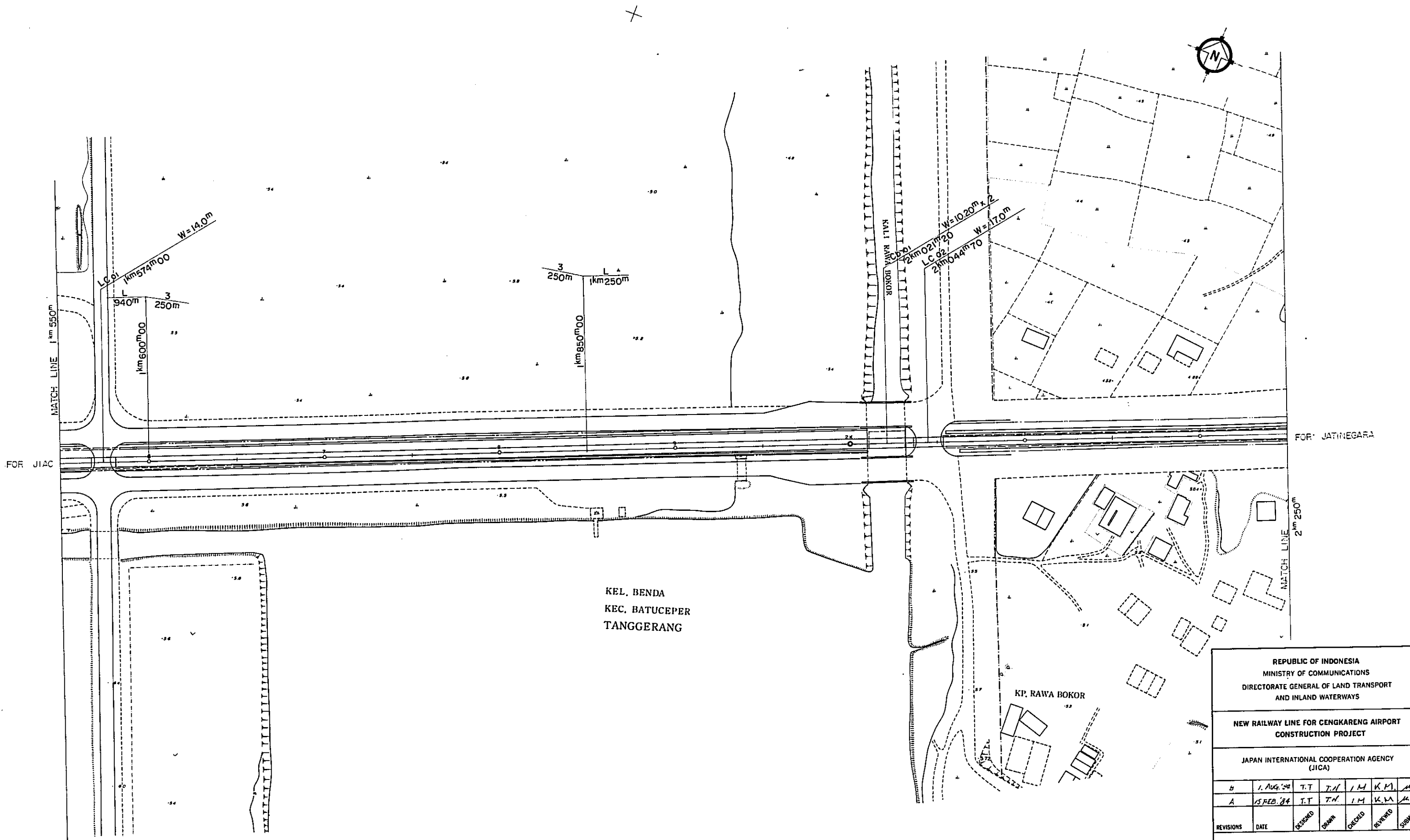
NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.

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	1 AUG. 84	T.T	T.N	J.H	K.M	M.K
A	15 FEB 84	T.T	T.N	J.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 1 OF 45)						
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:1000		DRAWING NO: CG-004				





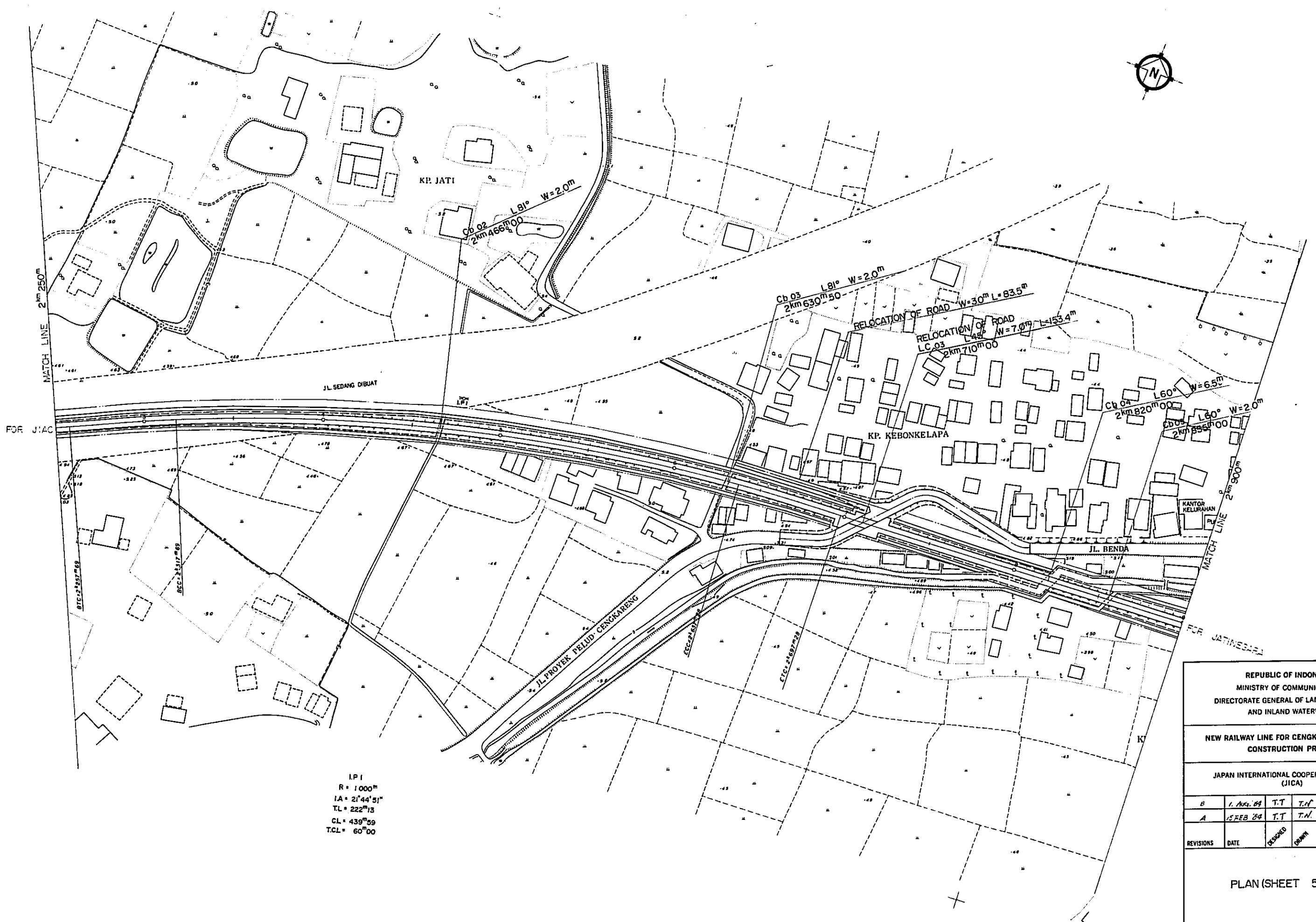
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG '84	T.T	T.N	I.H	K.M	M.K
A	15 FEB '84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 3 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE 1:1000		DRAWING NO. CG-006				



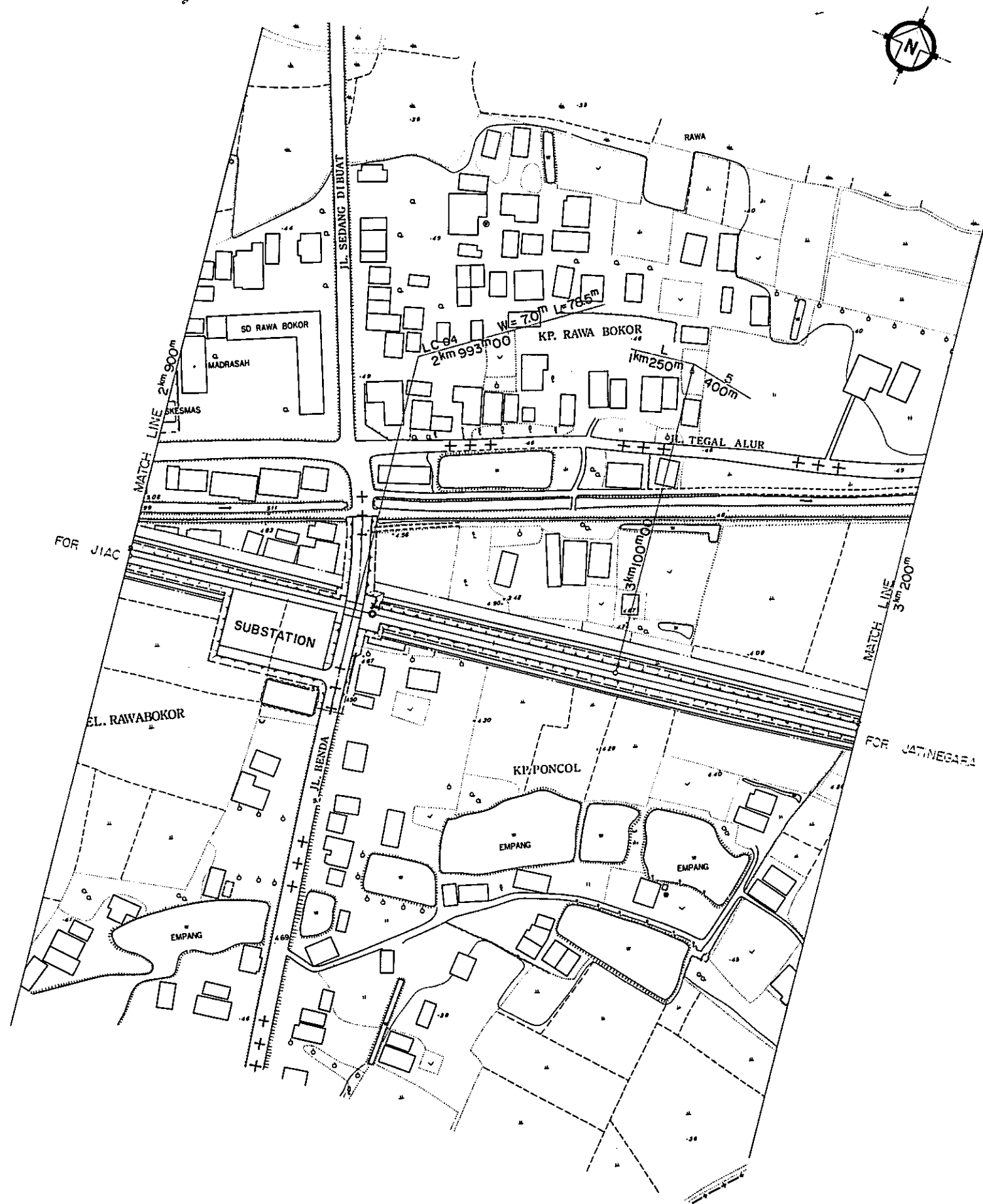
KEL. BENDA
KEC. BATUCEPER
TANGGERANG

KP. RAWA BOKOR

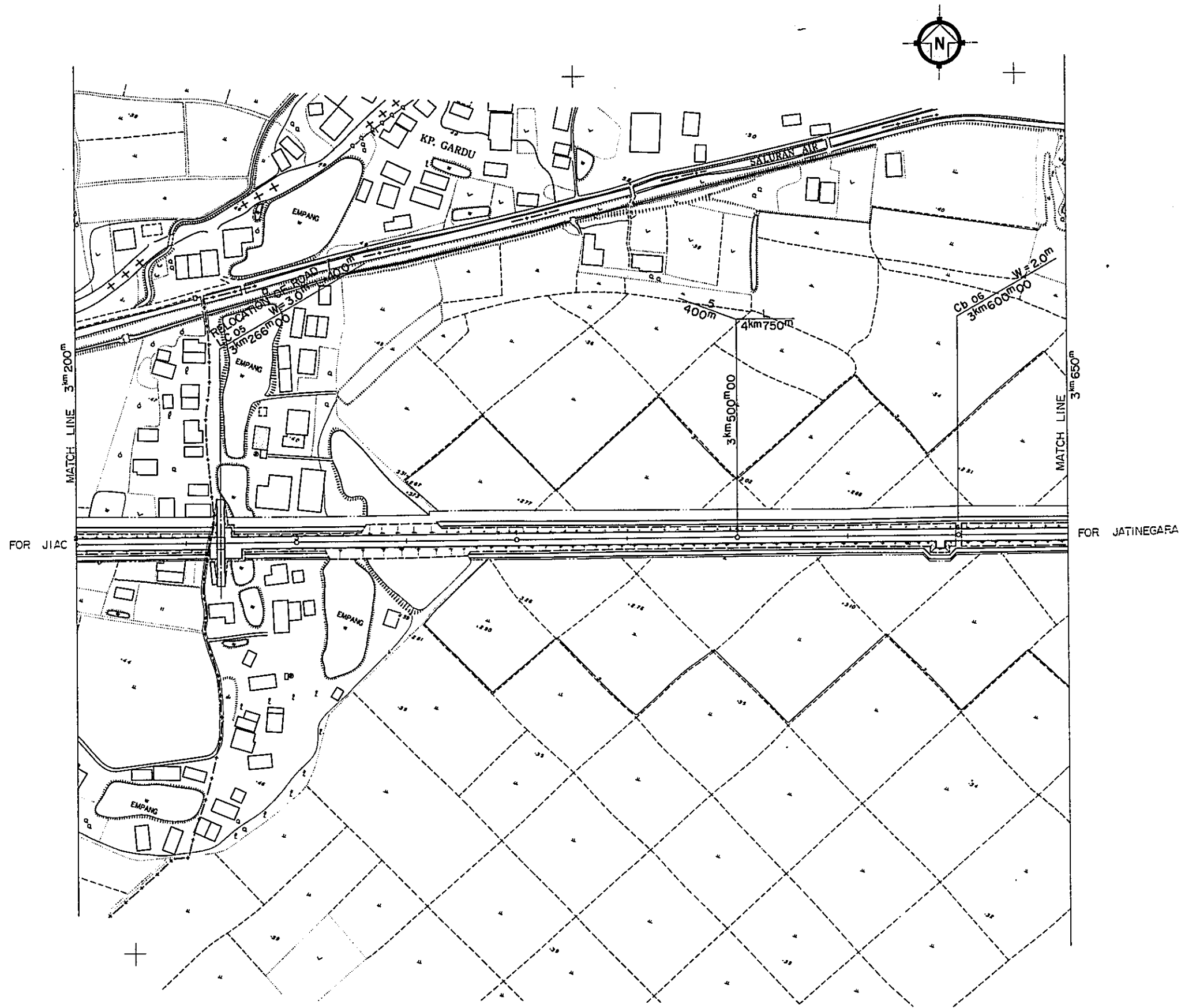
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.H	I.M	K.M.	M.K
A	15 FEB. 84	T.T	T.H	I.M	K.M.	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 4 OF 45)						
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:1000		DRAWING NO: CG-007				



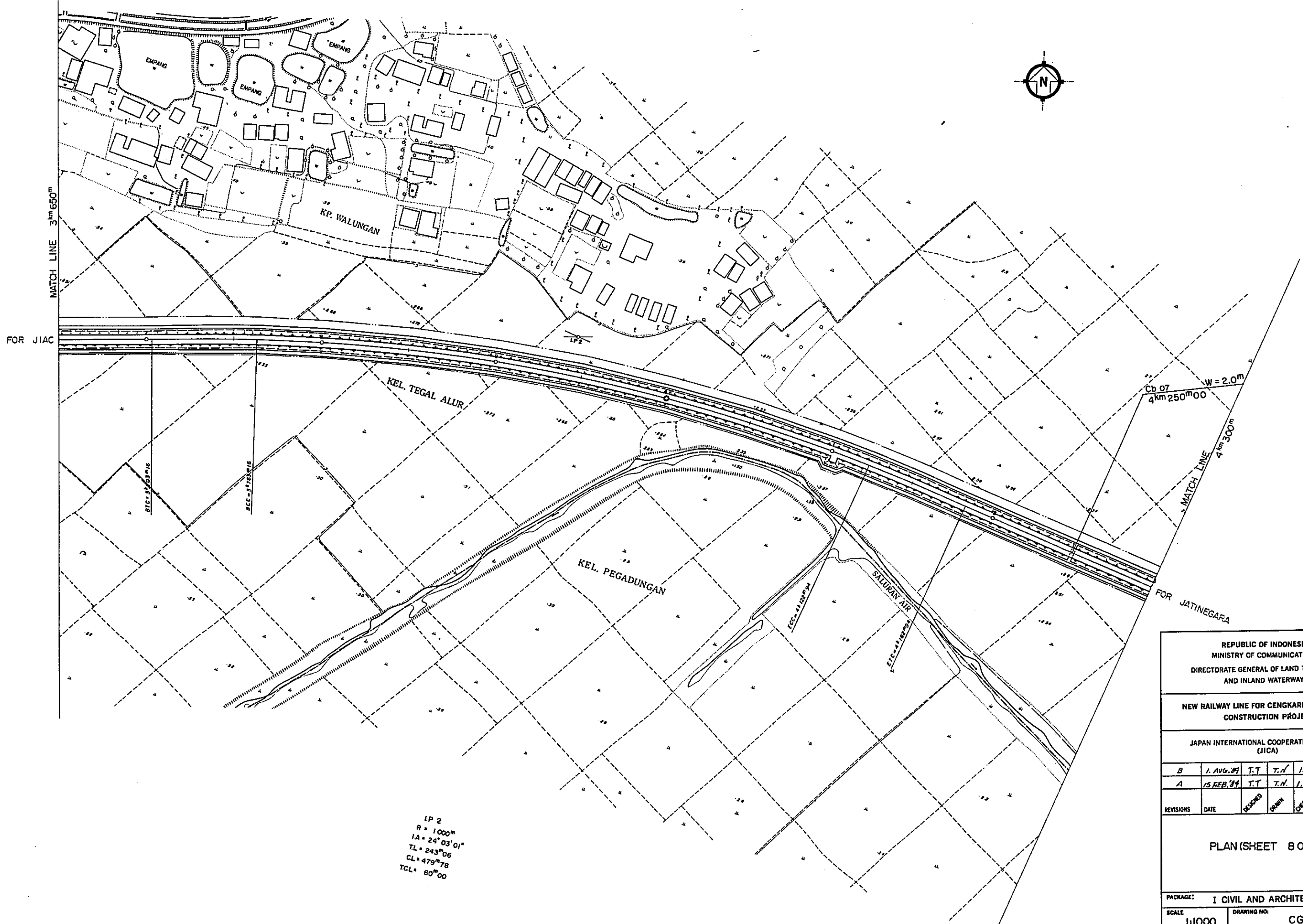
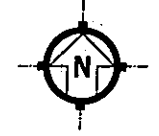
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 89	T.T	T.N	I.M	K.M	M.R
A	15 FEB 88	T.T	T.N	I.M	K.M	M.R
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 5 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:1000		DRAWING NO. CG-008				



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.T	T.H	I.M	K.M	M.K
A	15 FEB '84	T.T	T.H	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 6 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:1000		DRAWING NO: CG-009				



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.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 7 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:1000	CG-010					



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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

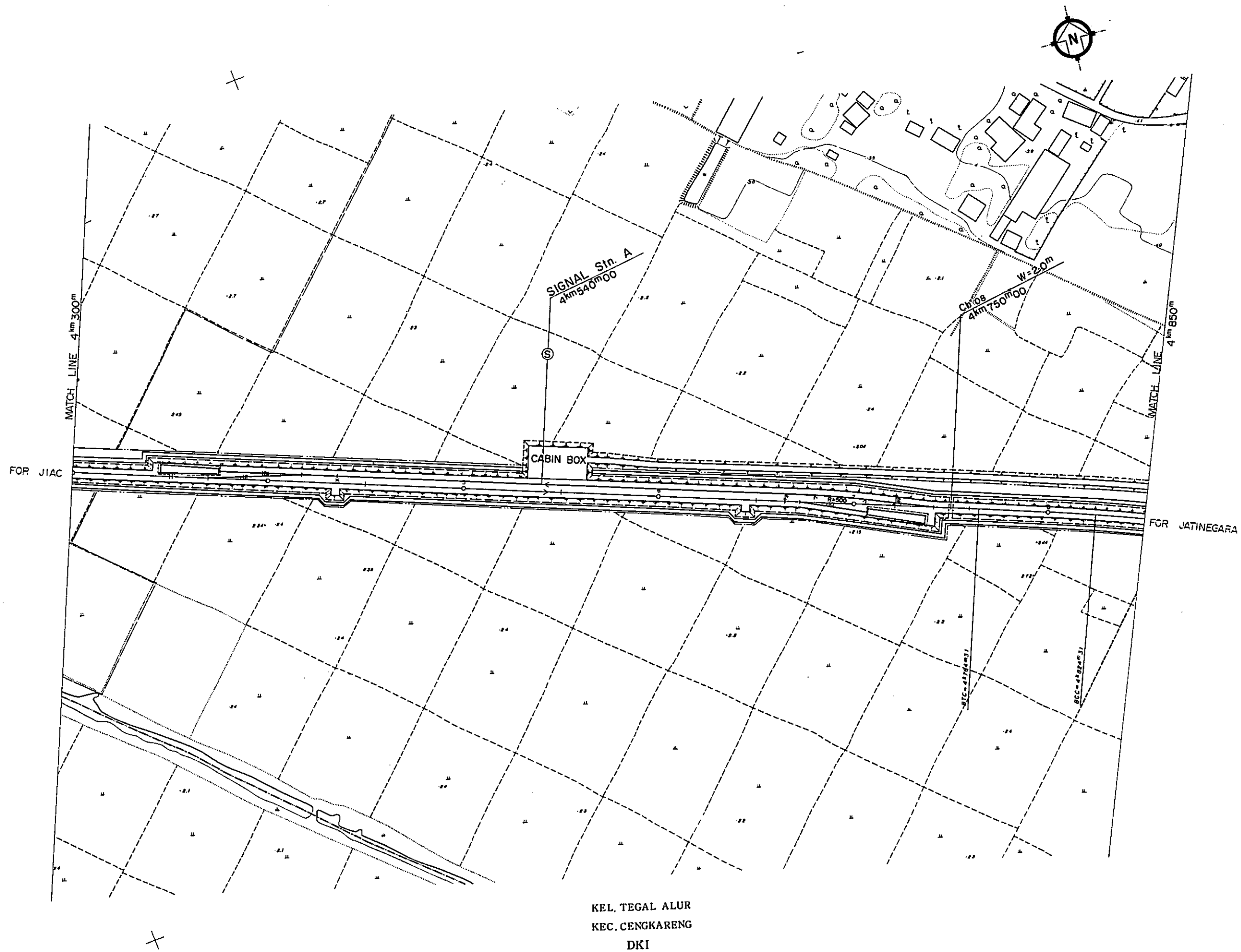
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

B	1. AUG. '89	T.T	T.N	I.M	K.M	M.R
A	15 FEB. '89	T.T	T.N	I.M	K.M	M.R
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

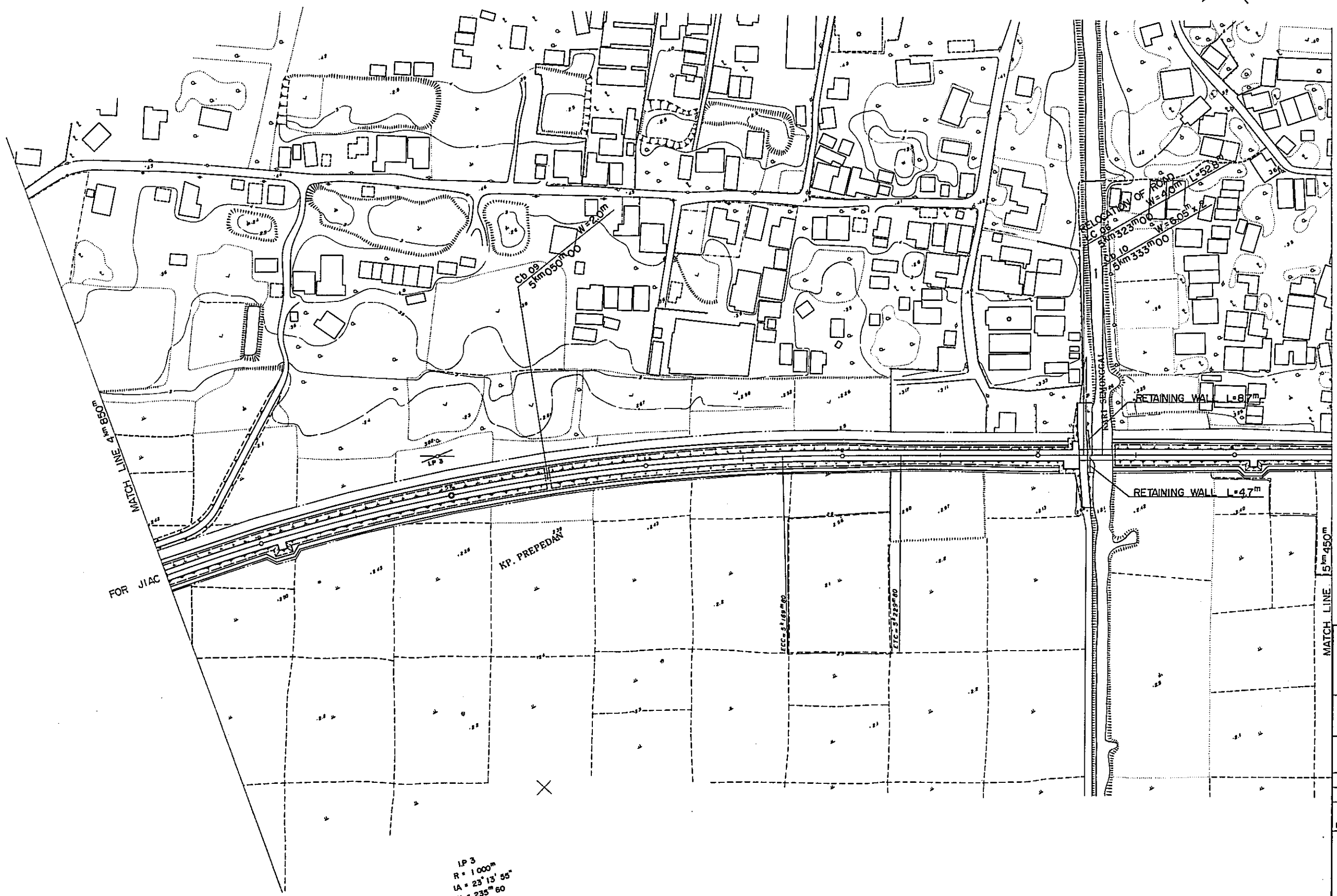
PLAN (SHEET 8 OF 45)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:1000 DRAWING NO: CG-011



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	T.T	T.H	I.M	K.M	H.K
A	15 FEB. '84	T.T	T.H	I.M	K.M	H.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 9 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:1000		DRAWING NO: CG-012				



FOR JATINEGARA

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)

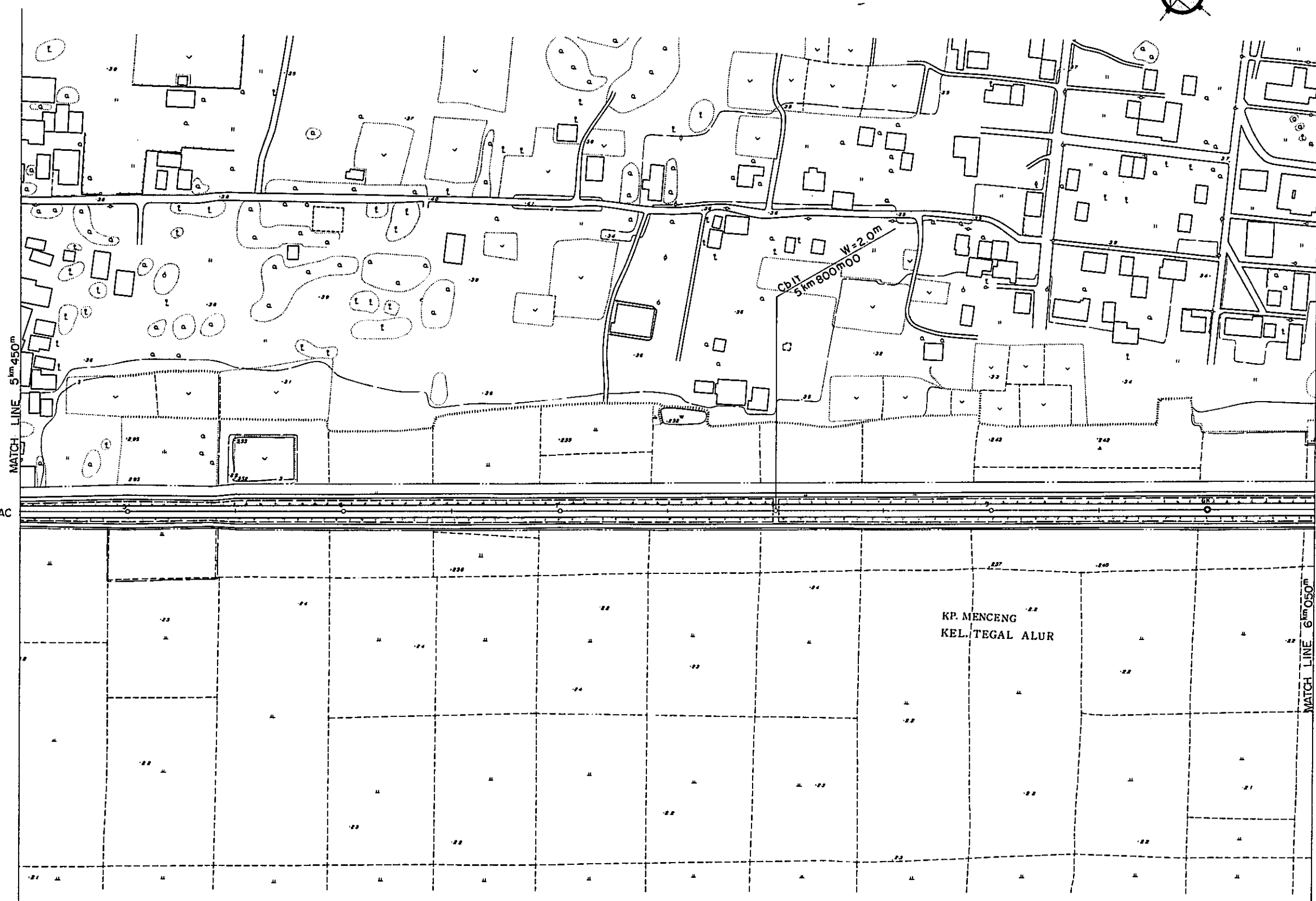
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 84	T.T	T.N	I.M	K.M	M.K
A	15 FEB 84	T.T	T.N	I.M	K.M	M.K

PLAN (SHEET 10 OF 45)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

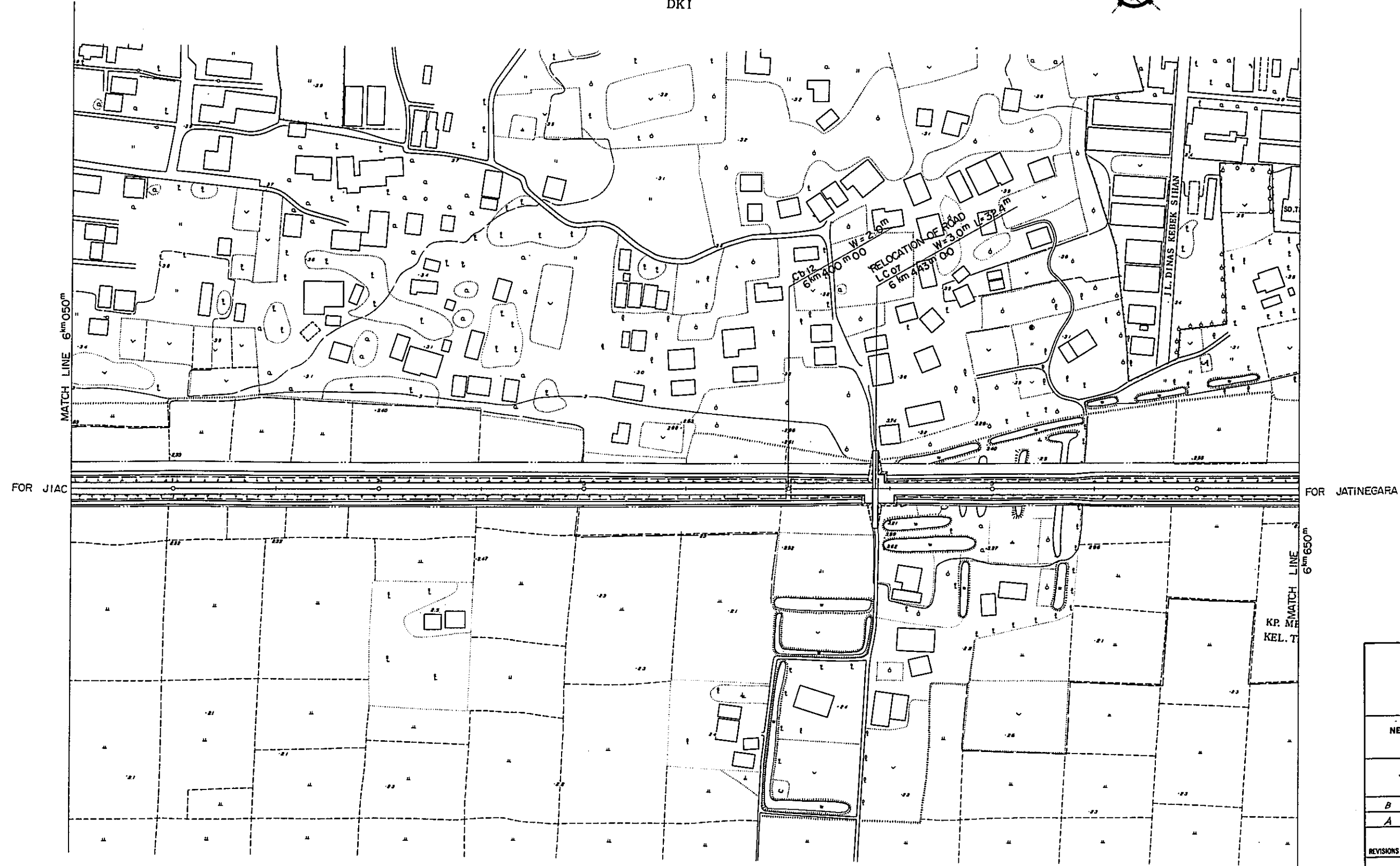
SCALE: 1:1000 DRAWING NO: CG-013

IP 3
 R = 1000m
 IA = 23° 13' 55"
 TL = 235m 60
 CL = 465m 49
 TCL = 60m 00



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 88	T.T	T.H	I.M	K.M	M.K
A	15 FEB 88	T.T	T.H	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 11 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:1000	CG-0141					

JAKARTA BARAT
DKI



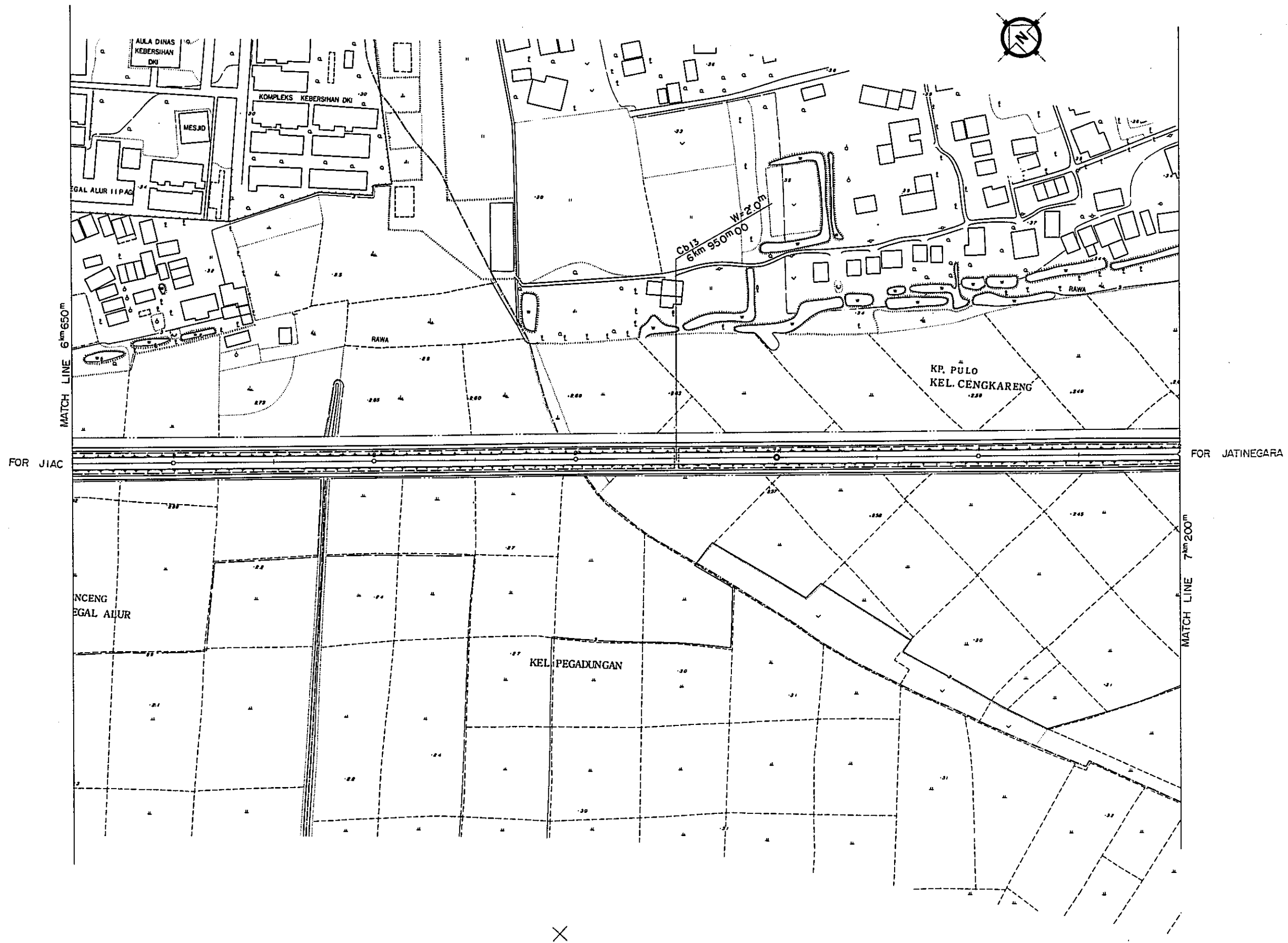
MATCH LINE 6m 050m

FOR JIAC

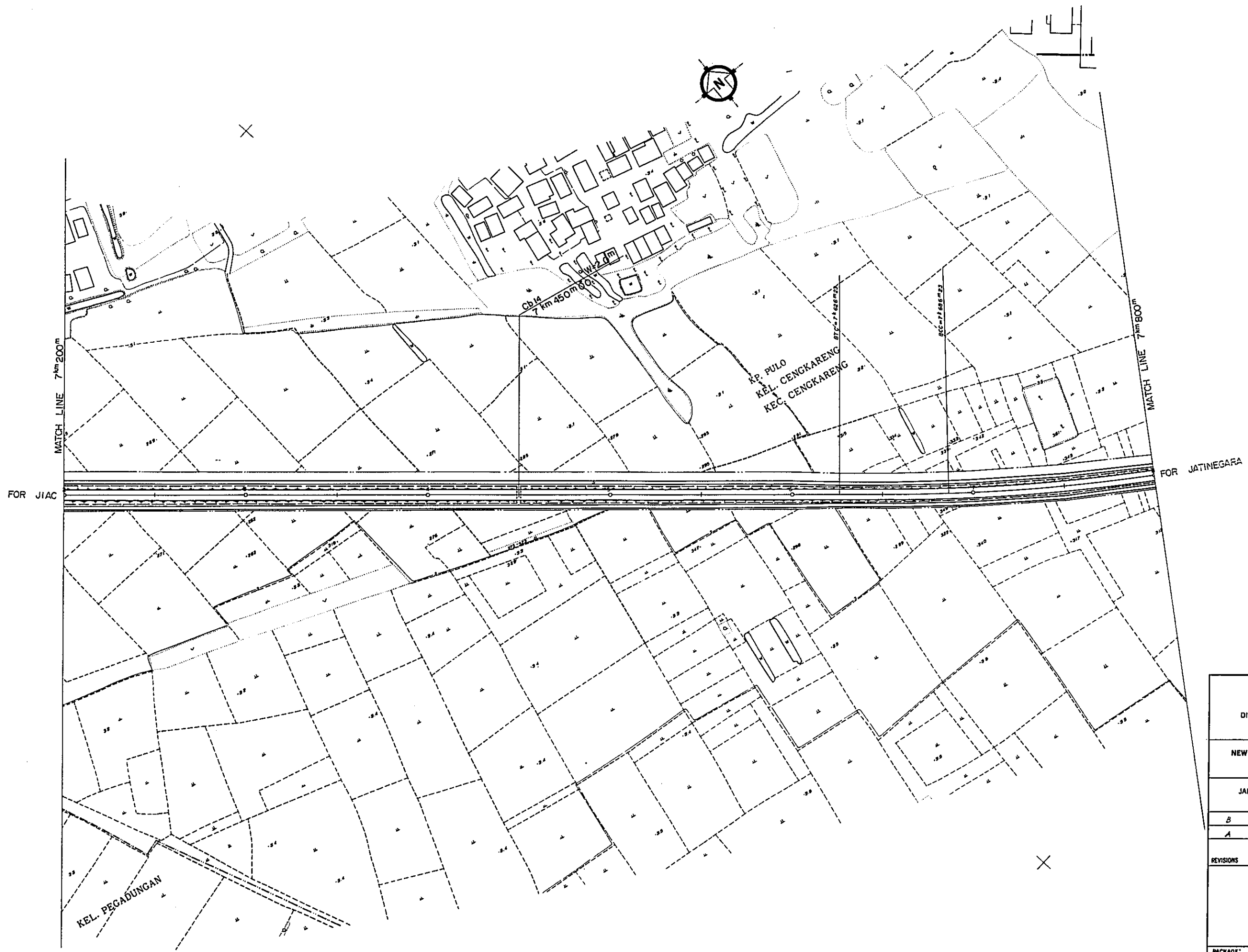
FOR JATINEGARA

MATCH LINE 6m 650m
KP. ME
KEL. T

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. 88	T.T	T.N	I.M	K.M	A.K
A	15 FEB. 89	T.T	T.N	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 12 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:1000	CG-015					



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. '04	T.T	T.N	I.M	K.M	M.K
A	15 FEB. '04	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 13 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE 1:1000		DRAWING NO. CG-016				



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	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

PLAN (SHEET 14 OF 45)

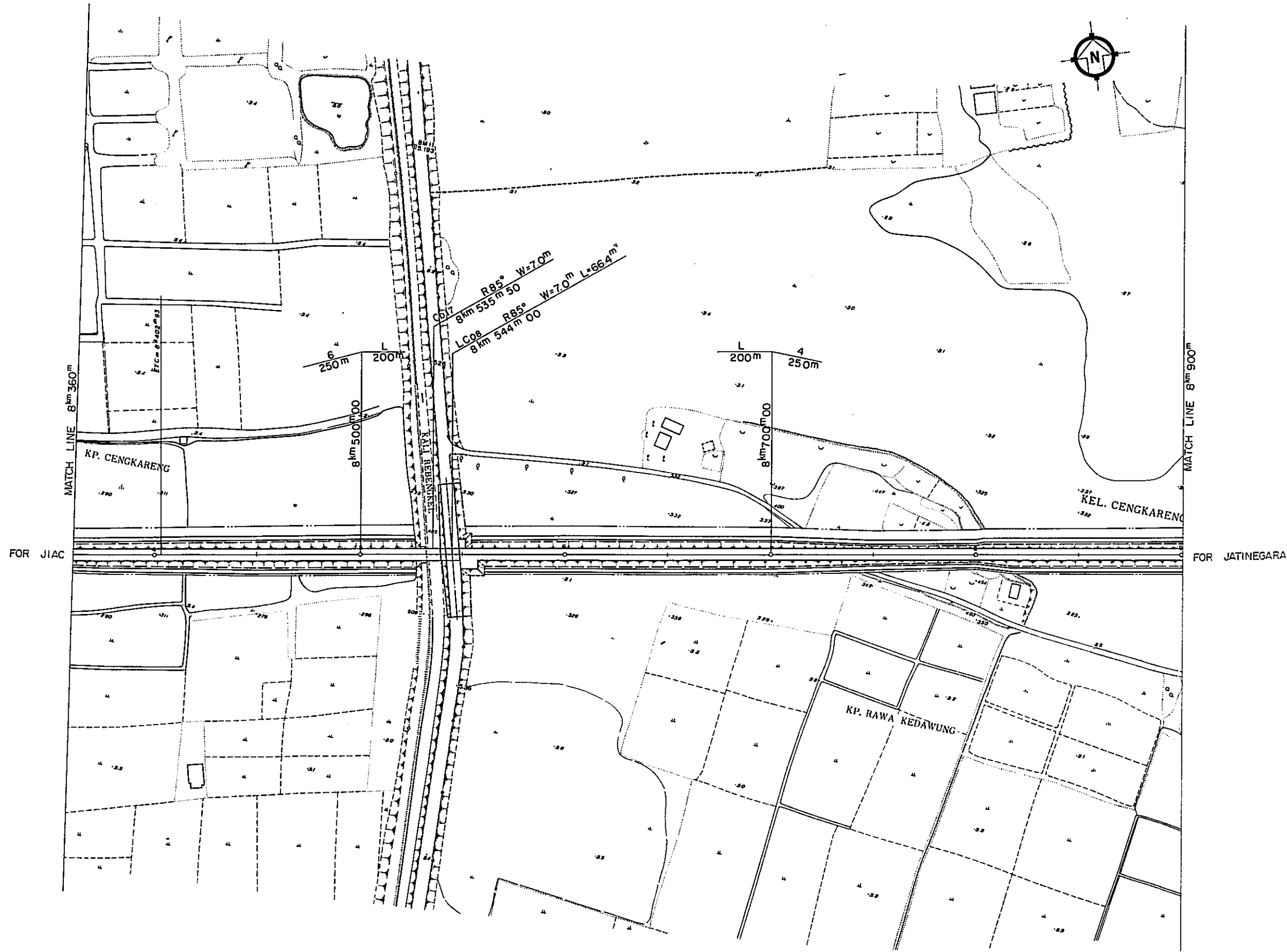
PACKAGE: I CIVIL AND ARCHITECTURAL WORK	
SCALE: 1:1000	DRAWING NO: CG-017

I.P.4
 R = 1000m
 IA = 41°03'44"
 TL = 404m 57
 CL = 776m 70
 TCL = 60°00

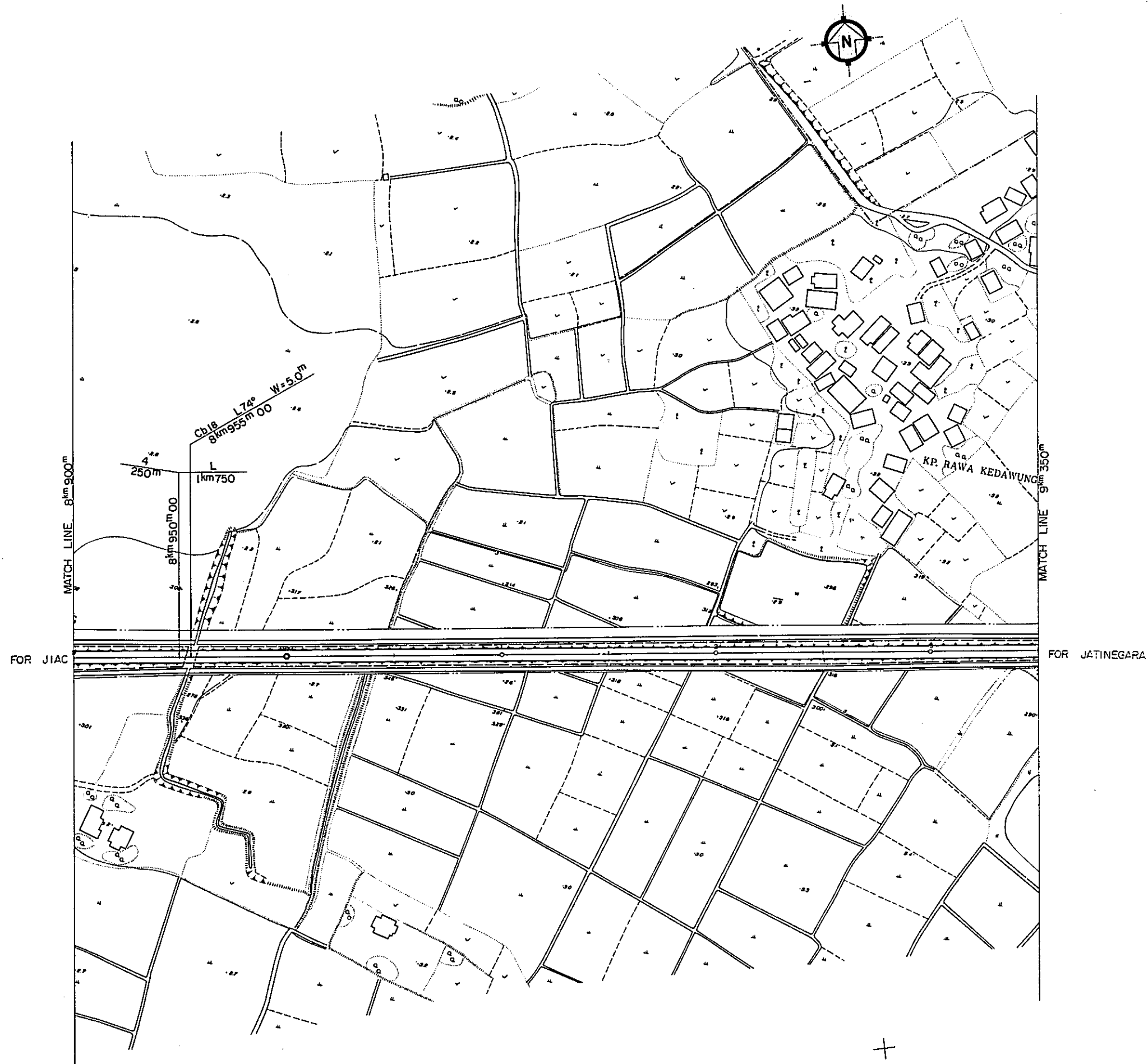
JAKARTA BARAT



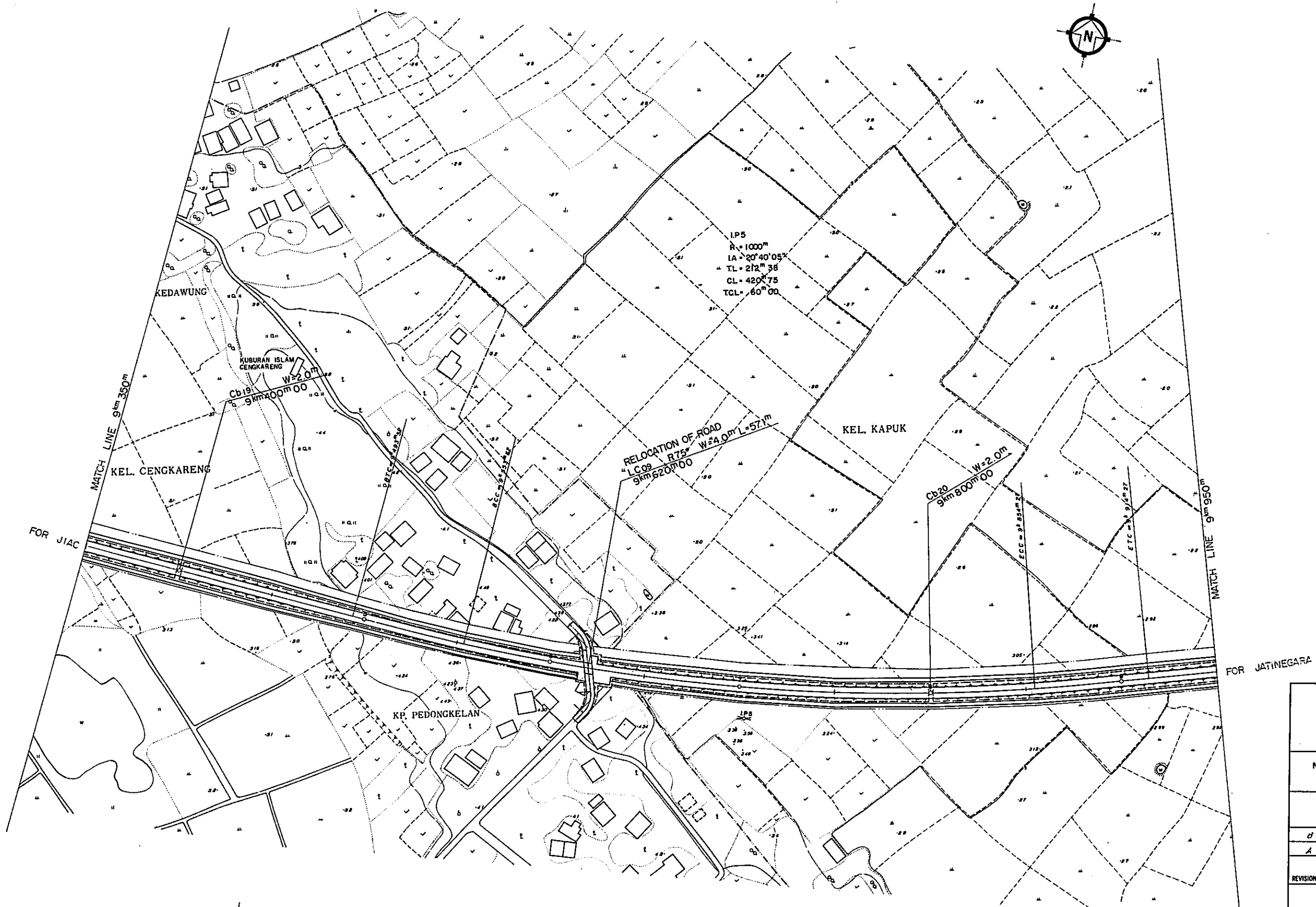
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '89	T.T	T.H	I.H	K.M	M.K
A	15 FEB '89	T.T	T.H	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 15 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					
1:1000	CG 018					



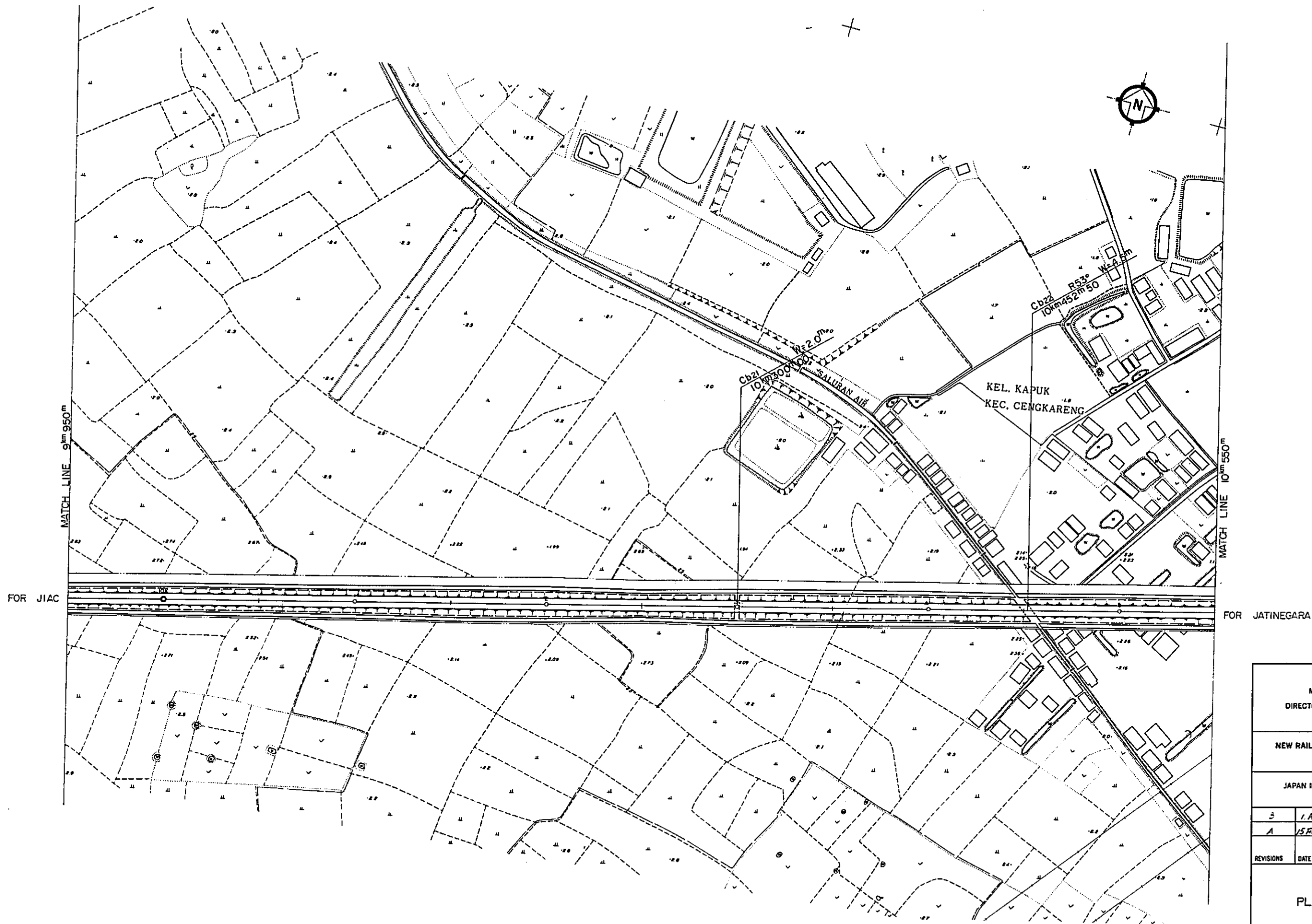
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 84	T.T	T.H	I.M	K.M	A.R
A	15 FEB. 84	T.T	T.H	I.M	K.M	A.R
REVISIONS	DATE	DRAWN	CHECKED	REVIEWED	SUBMITTED	
PLAN (SHEET 16 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK.						
SCALE: 1:1000		DRAWING NO: CG-019				



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	T.T	T.H	I.M	K.M	H.R
A	15 FEB. 84	T.T	T.H	I.M	K.M	H.R
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 17 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:1000		DRAWING NO: CG-020				



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)						
0	1. AUG. 84	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
PLAN (SHEET 18 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:1000		DRAWING NO.: CG-021				



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

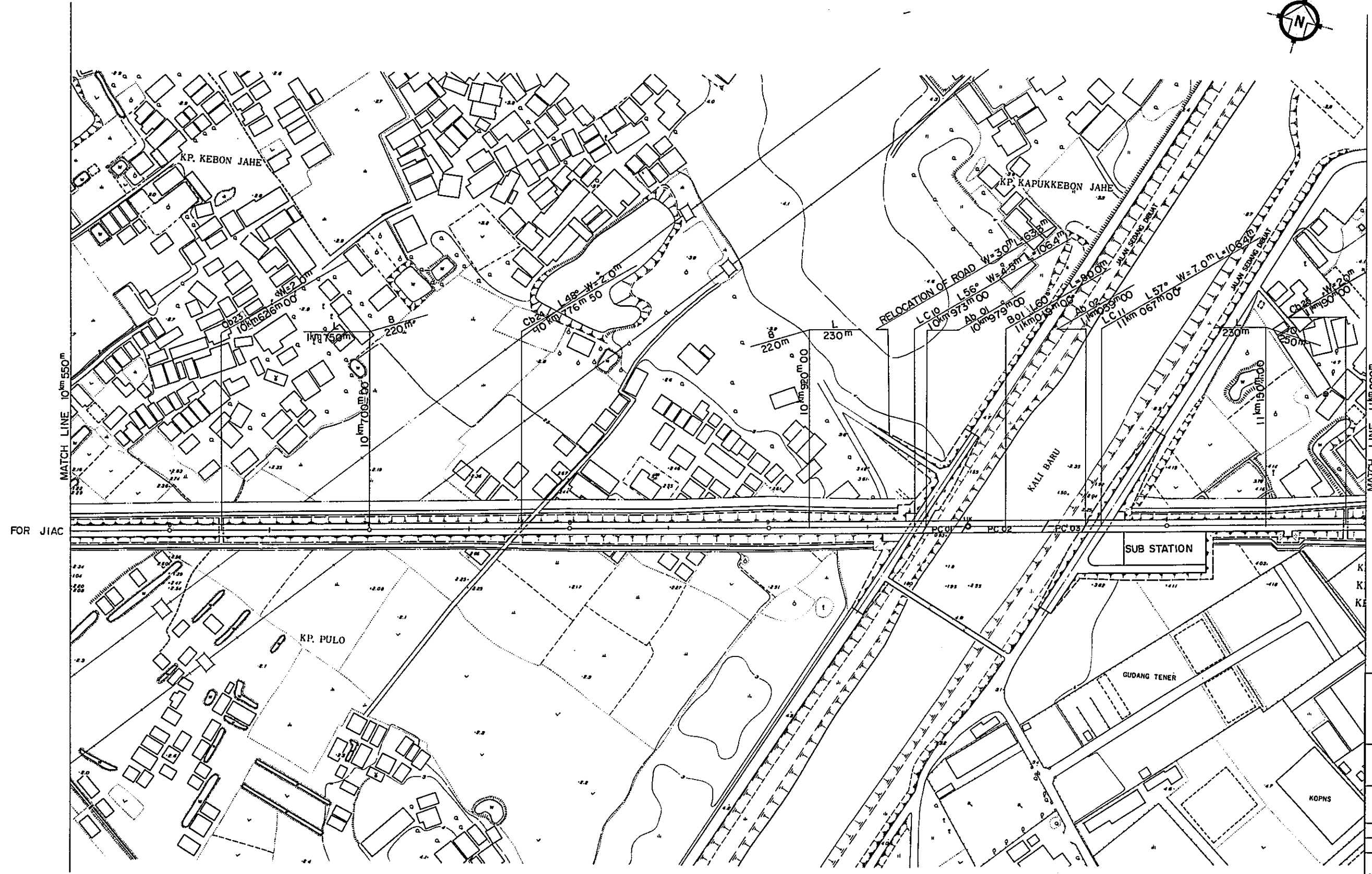
**NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT**

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
3	1 AUG. '84	T.T	T.N	I.M	K.M	M.K
A	15 FEB. '84	T.T	T.N	I.M	K.M	M.K

PLAN (SHEET 19 OF 45)

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:1000 DRAWING NO: CG-022



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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

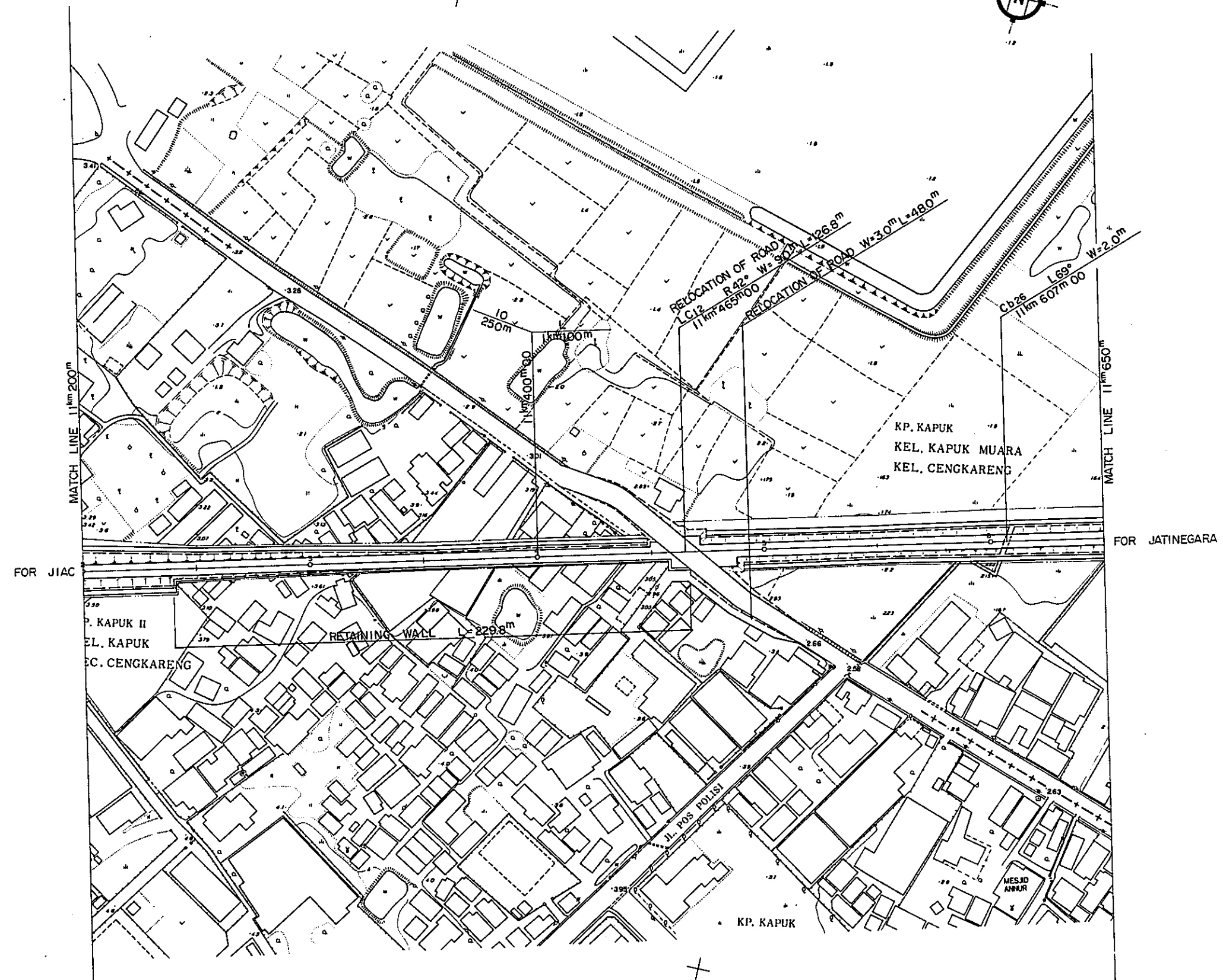
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 84	T.T.	T.N.	I.M.	K.M.	A.R.
A	15 FEB 84	T.T.	T.N.	I.M.	K.M.	A.R.

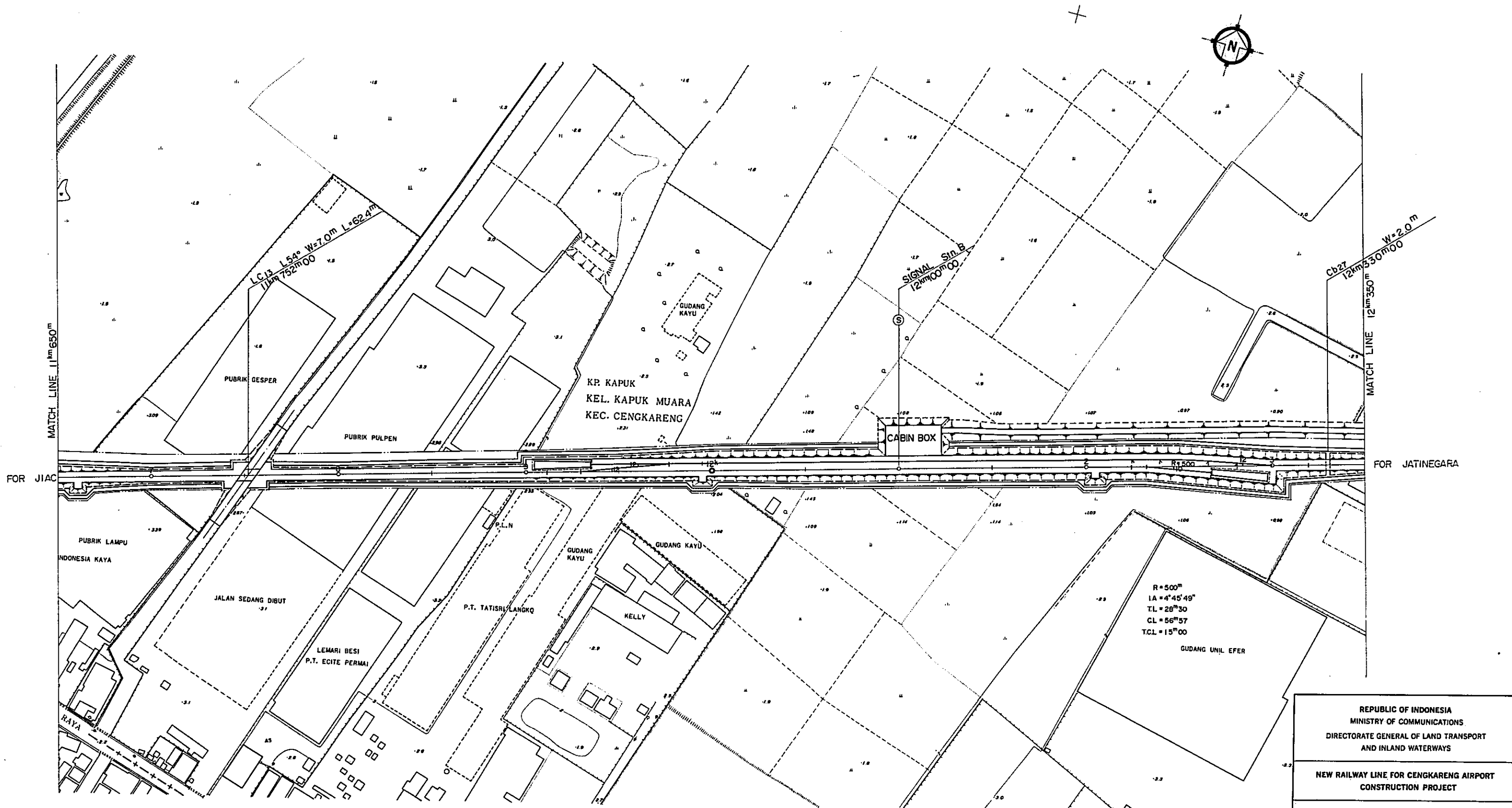
PLAN (SHEET 20 OF 45)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:1000. DRAWING NO: CG-023.



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	T.T	T.A	I.M	K.M	A.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 21 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:1000		DRAWING NO.	CG-024		



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

NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT

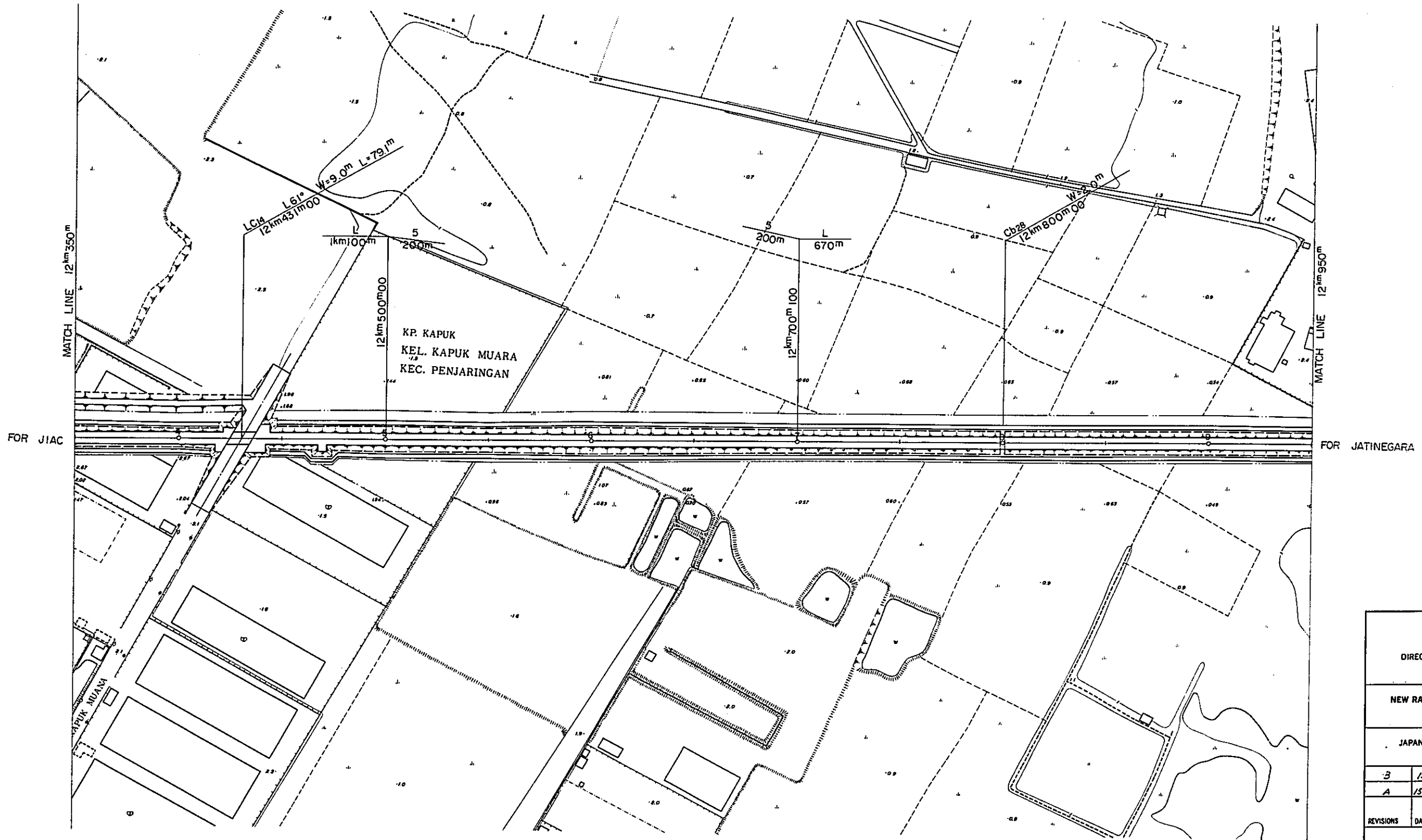
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

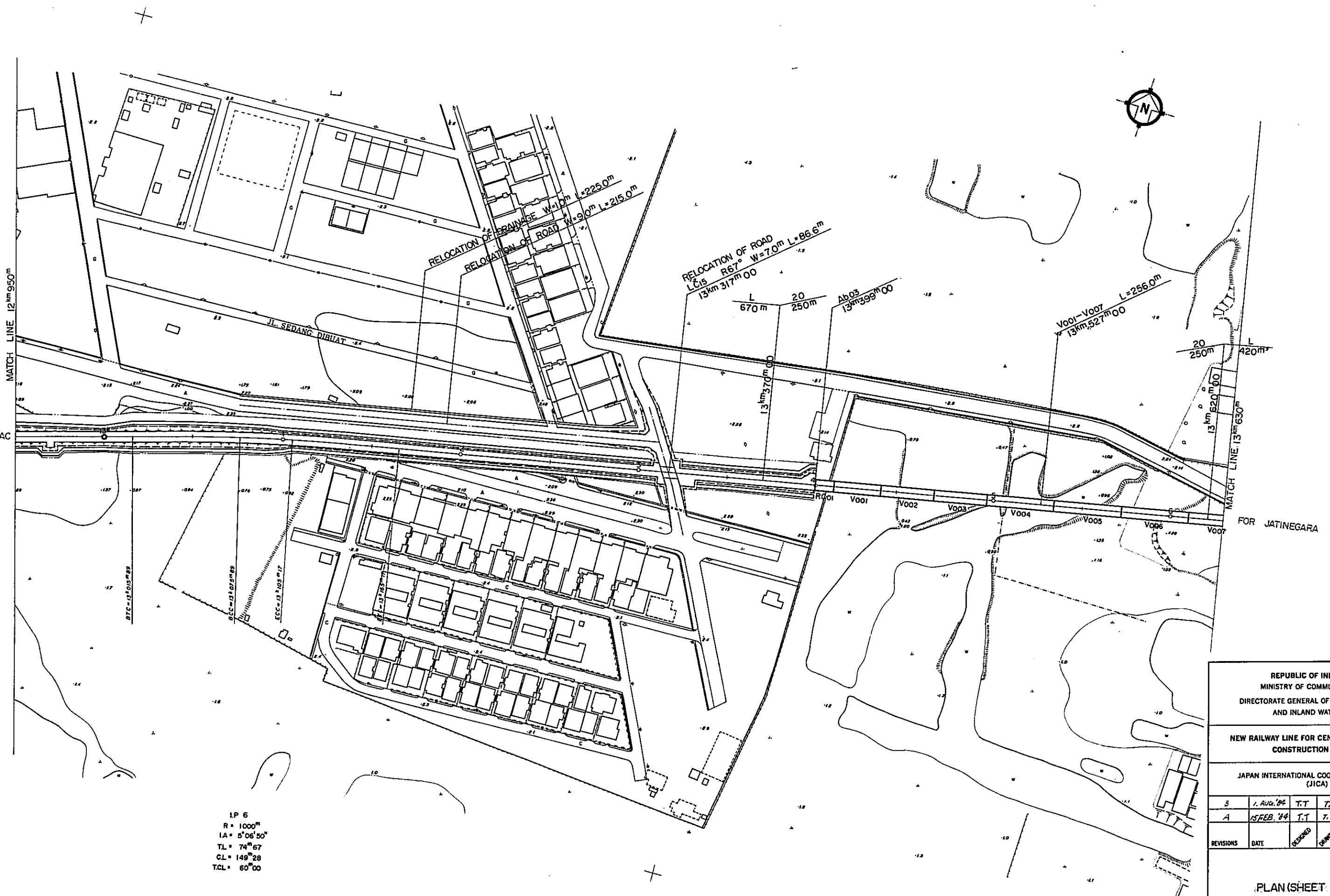
B	1. AUG. 84	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED

PLAN (SHEET 22 OF 45)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:1000 DRAWING NO: CG-025

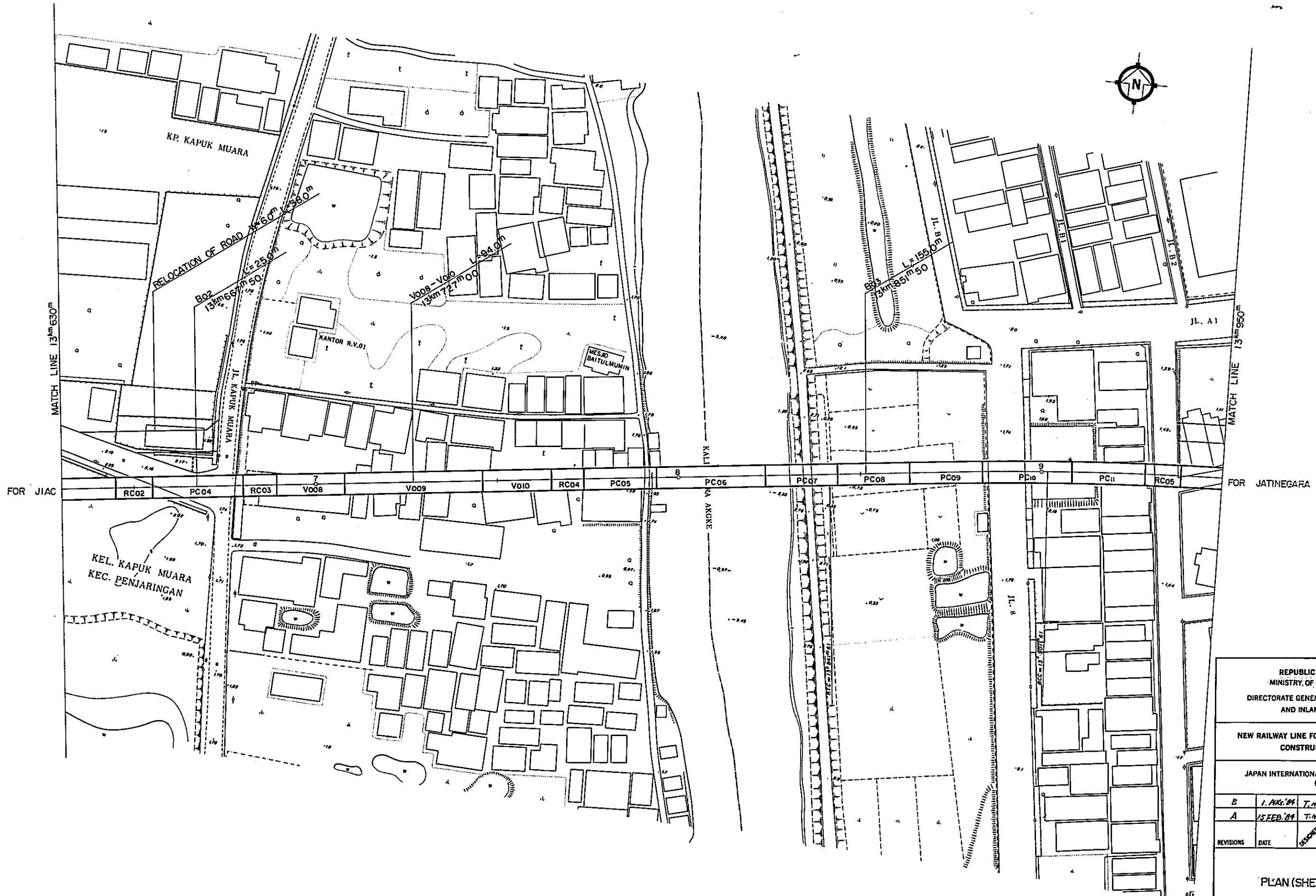
JAKARTA UTARA





I.P. 6
 R = 1000m
 I.A = 5° 06' 50"
 T.L = 74m 67
 C.L = 149m 28
 T.C.L = 60m 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)						
S	1. AUG. '84	T.T	T.N	I.M	K.M	M.K
A	15 FEB. '84	J.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 24 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:1000		DRAWING NO: CG-027				



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

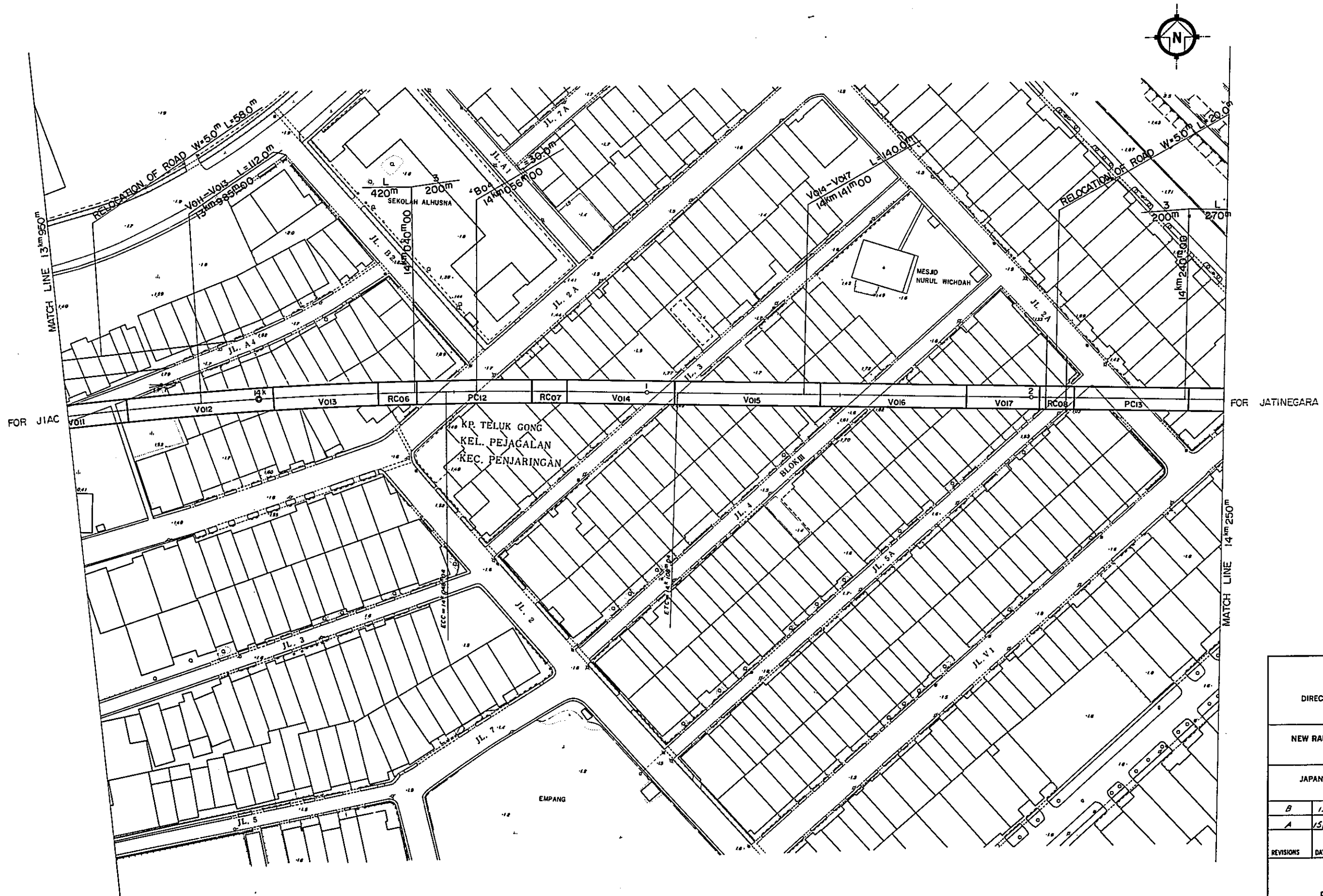
NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
B	1. AUG. '84	T.H.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. '84	T.H.	T.T.	I.M.	K.M.	M.K.

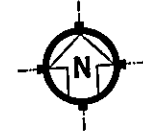
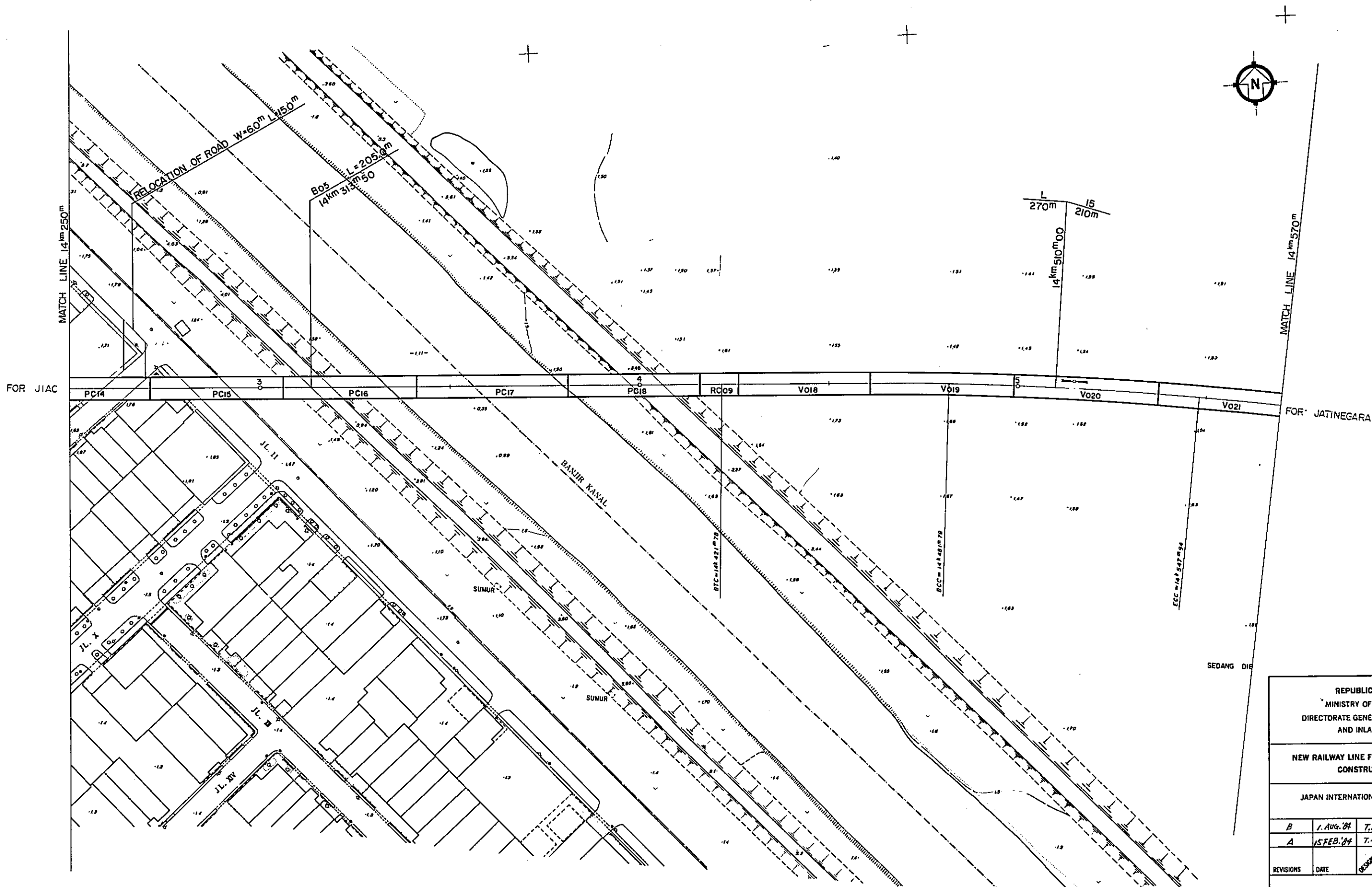
PLAN (SHEET 25 OF 45)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:500 DRAWING NO: CG-028



I.P 7
 R = 1000m
 IA = 11°49'35"
 T.L = 133m 60
 CL = 266m 43
 TCL = 60m 00

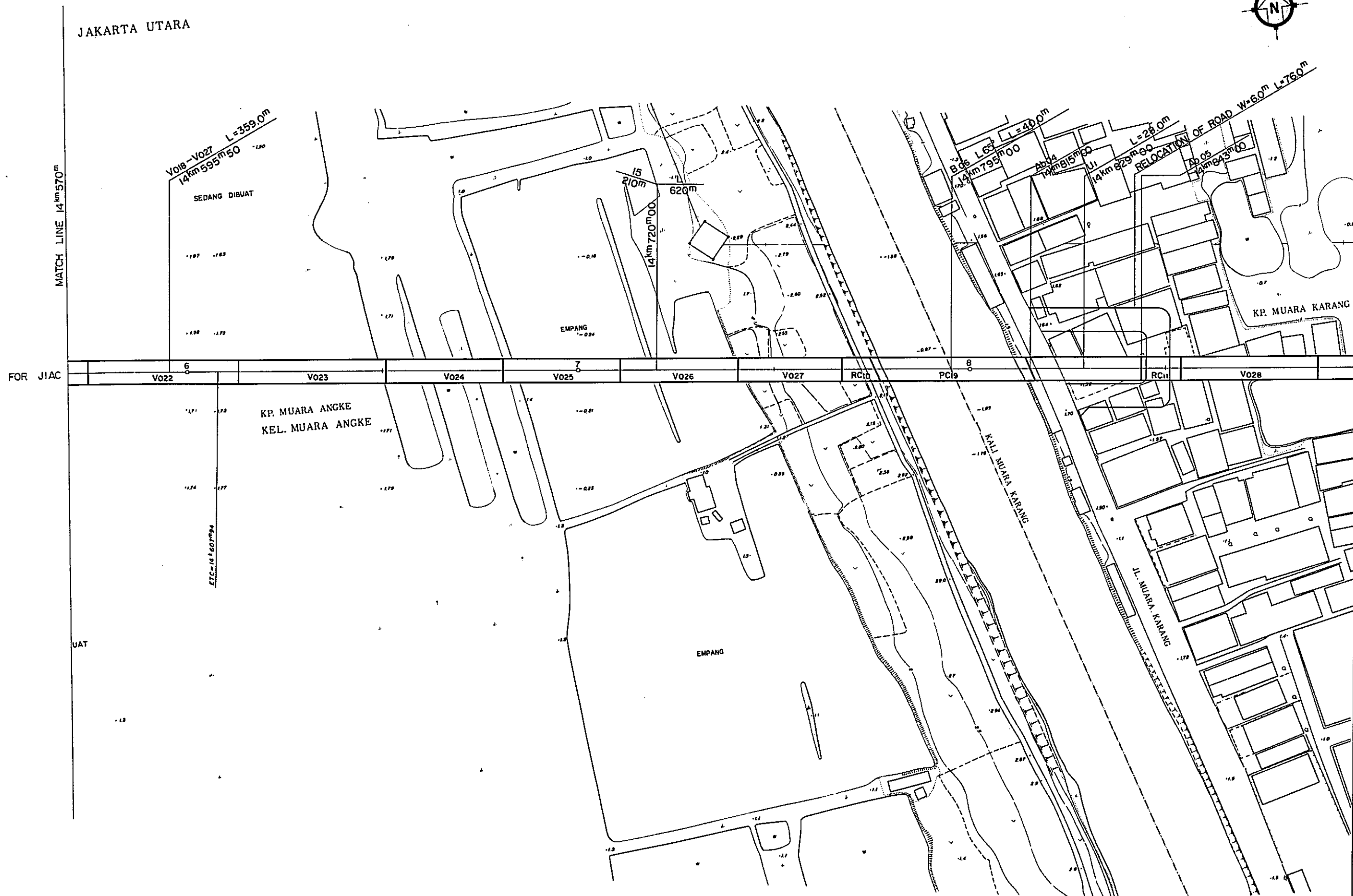
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 84	T.A	T.T	I.M	U.M	A.K
A	15 FEB. 86	T.H.	T.T	I.M	U.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 26 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:500	CG-029					



IP 8
R = 1000m
IA = 7°3'38"
TL = 93m17
CL = 186m16
TCL = 60m00

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. 04	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. 04	T.N.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 27 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:500		DRAWING NO.		CG-030	

JAKARTA UTARA



FOR JIAC

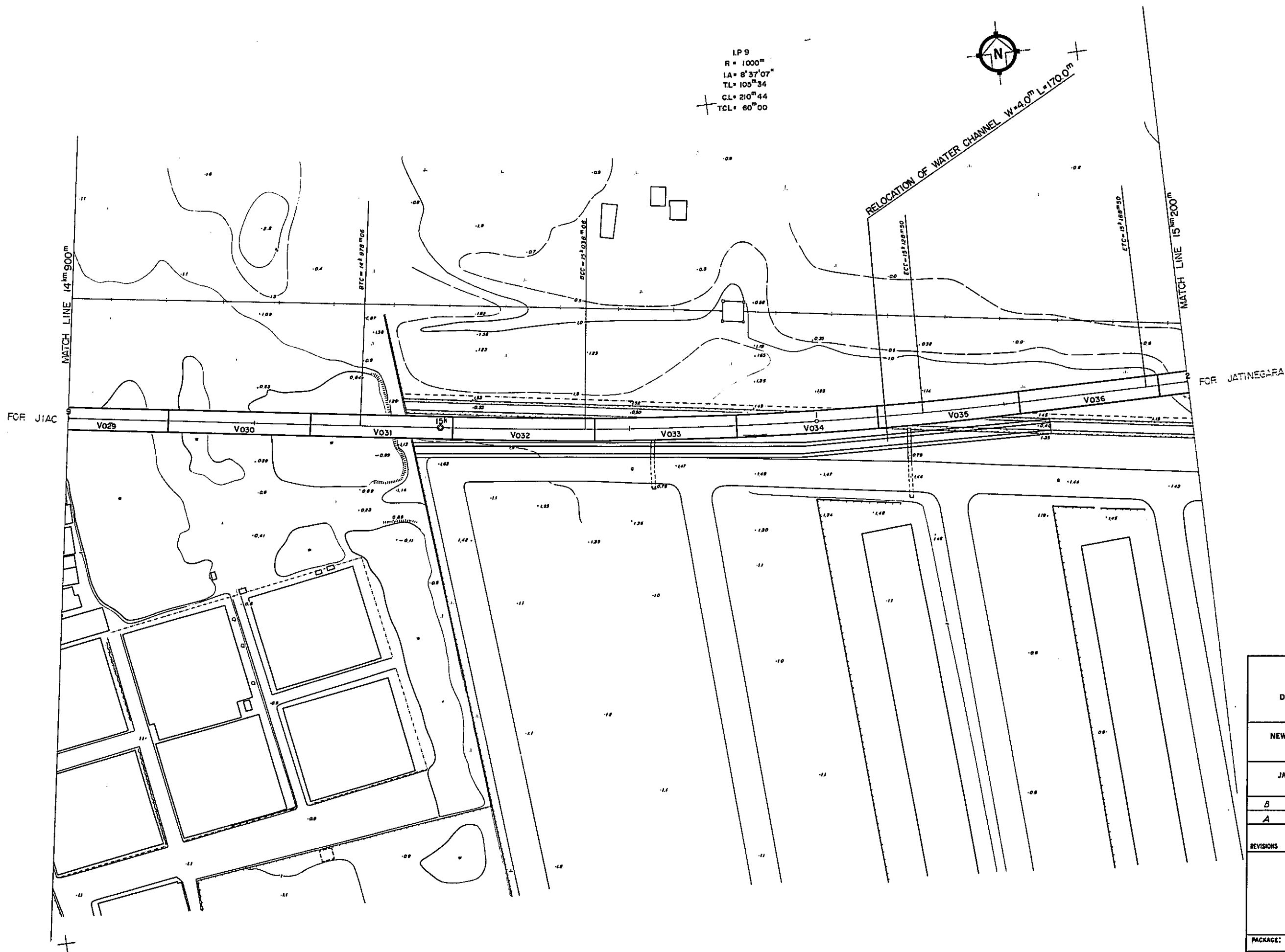
FOR JATINEGARA

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	T.H.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. 84	T.H.	T.T.	I.M.	K.M.	M.R.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 28 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:500		DRAWING NO.		CG-031	

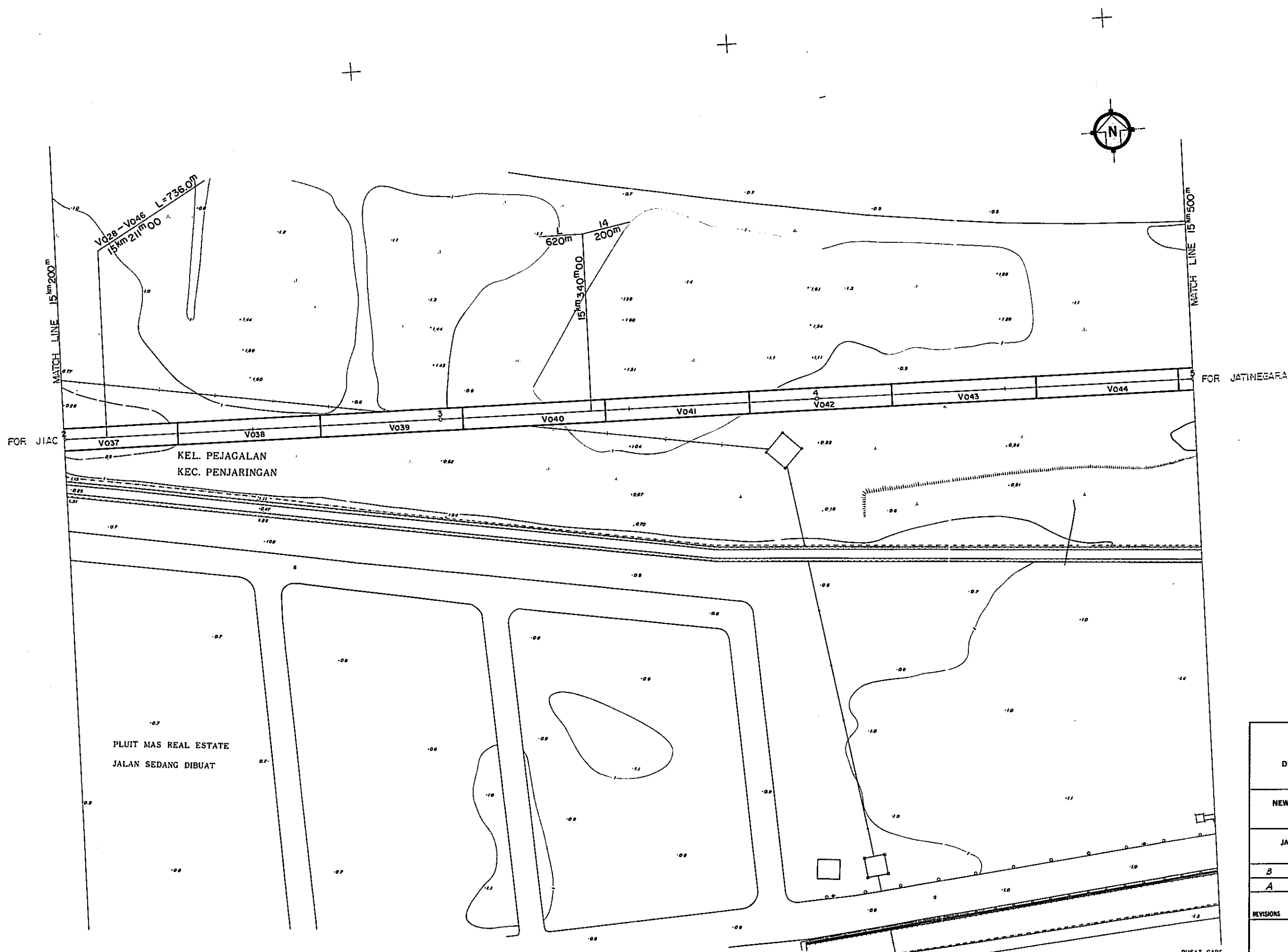
IP 9
 R = 1000^m
 LA = 8° 37' 07"
 TL = 105° 34'
 CL = 210^m 44'
 TCL = 60° 00'



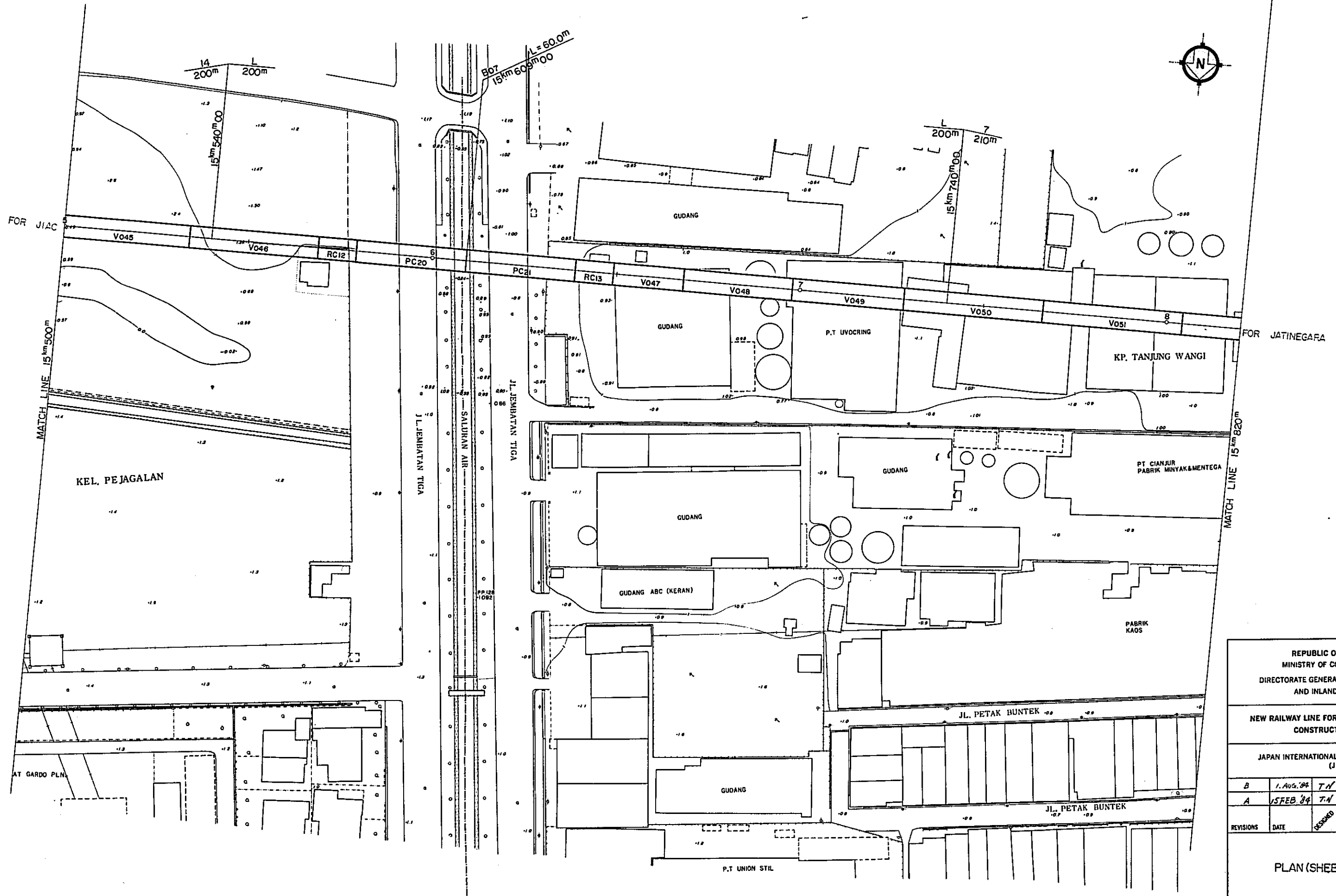
RELOCATION OF WATER CHANNEL W=4.0^m L=170.0^m



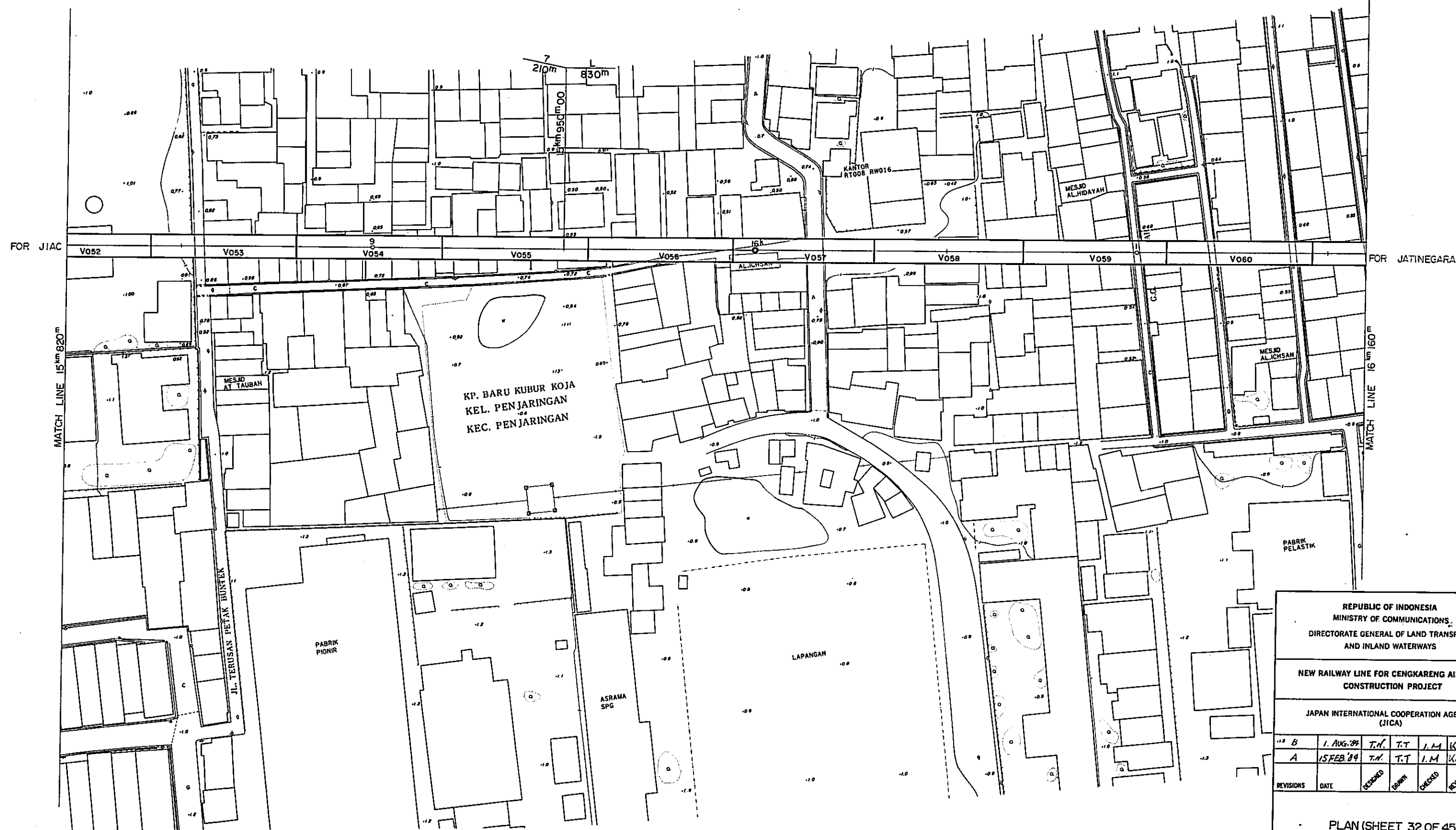
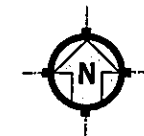
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 84	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. 84	T.N.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 29 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:500		DRAWING NO.	CG-032		



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. 89	T.N.	T.T.	I.M.	K.M.	A.K.
A	15 FEB. 89	T.N.	T.T.	I.M.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 30 OF 45).						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-033				



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	T.N	T.T	I.M	K.M
A	15 FEB. 84	T.N	T.T	I.M	K.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
PLAN (SHEET 31 OF 45)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:500		DRAWING NO: CG-034			



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)

NO	REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
1	B	1 AUG 88	T.H.	T.T.	I.M.	K.M.	A.K.
2	A	15 FEB 89	T.H.	T.T.	I.M.	K.M.	A.K.

PLAN (SHEET 32 OF 45)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:500 DRAWING NO: CG-035

JAKARTA UTARA



FOR JIAC

FOR JATINEGARA

MATCH LINE 16 km 160 m

MATCH LINE 16 km 500 m

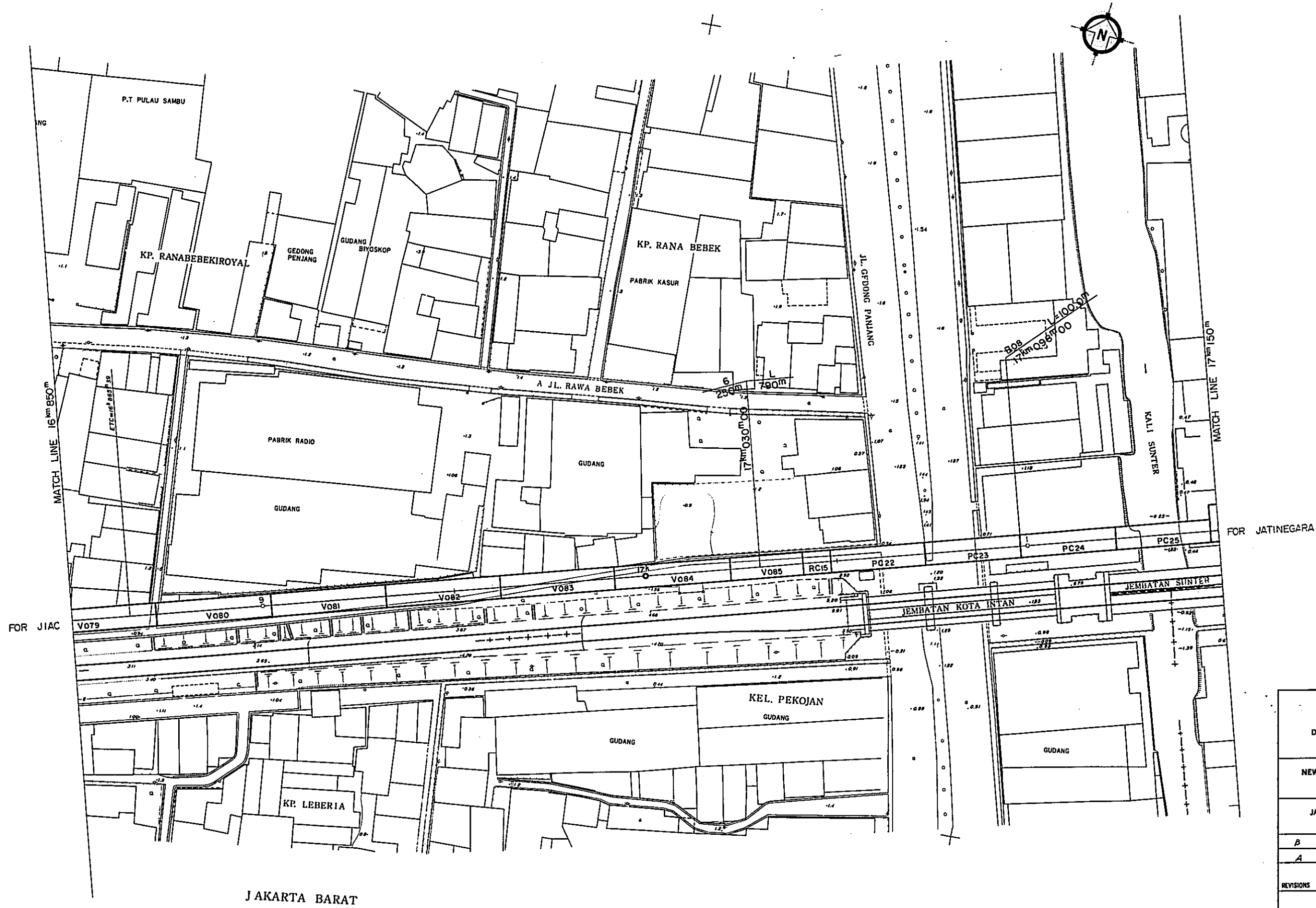


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 04	T.N	T.T	I.M	K.M	A.K
A	15 FEB. 04	T.N	T.T	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 33 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-036				

LPI0
 R = 1000m
 LA = 15° 35' 17"
 TL = 166° 01'
 CL = 332° 08'
 TCL = 60° 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)						
B	1. AUG. 84	T.N.	T.T	I.M	K.M	M.K
A	15 FEB. 84	T.N.	T.T	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 34 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-037				



JAKARTA BARAT

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

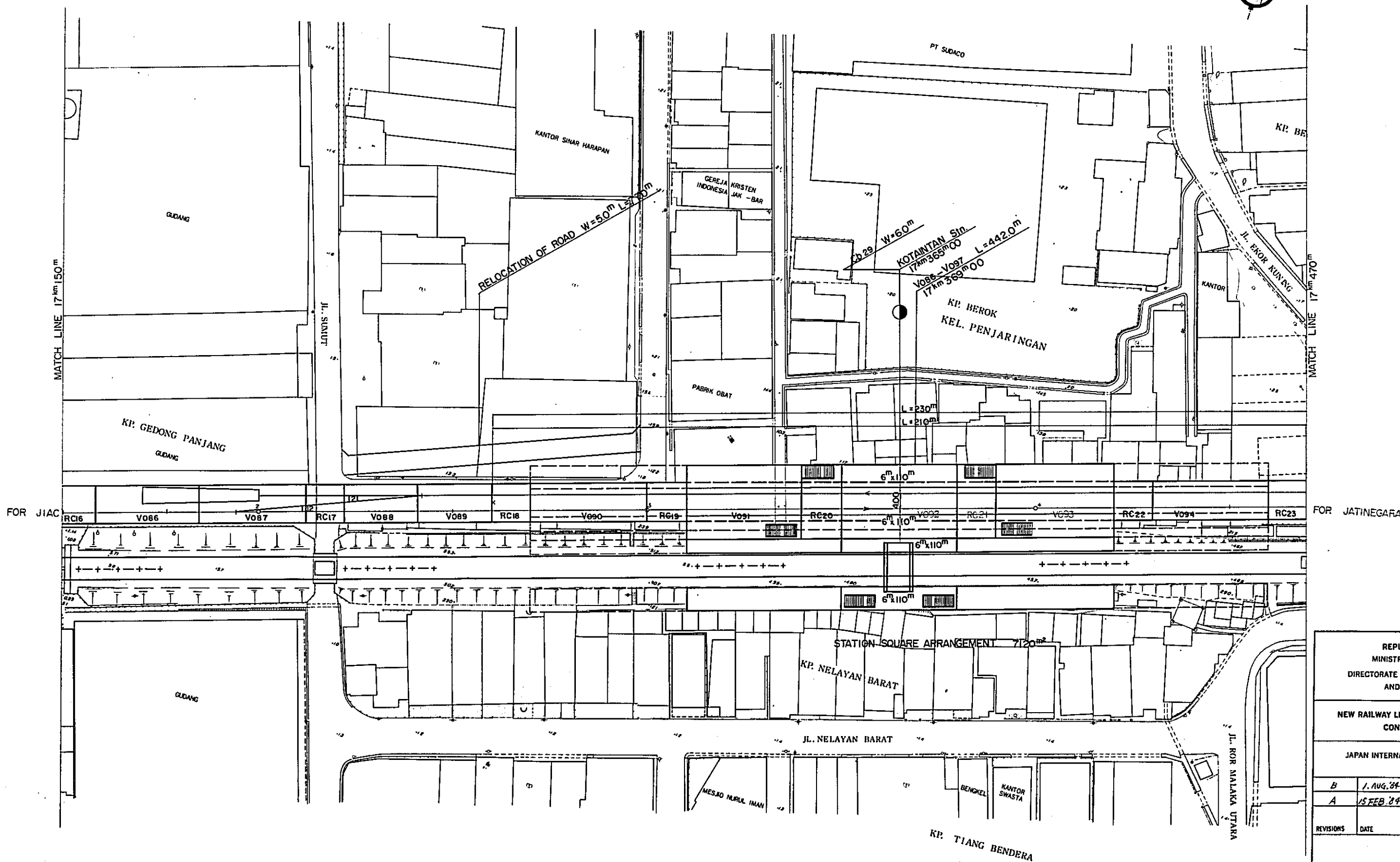
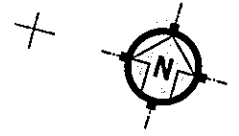
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 84	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB 84	T.N.	T.T.	I.M.	K.M.	M.K.

PLAN (SHEET 35 OF 45)

PACKAGE:	I CIVIL AND ARCHITECTURAL WORK
SCALE	1:500
DRAWING NO.	CG-038

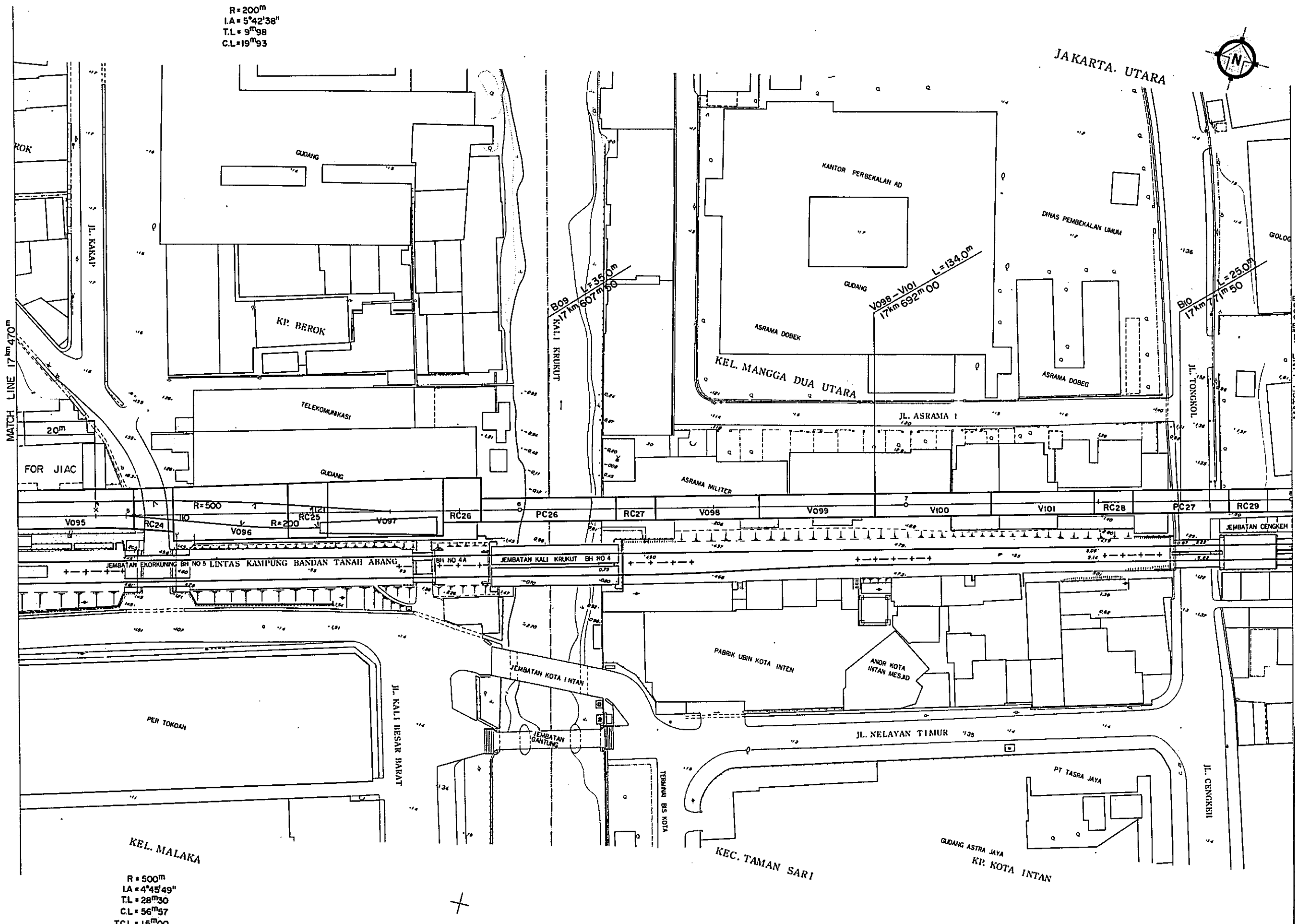


FOR JIAC

FOR JATINEGARA

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. 89	T.M.	T.T.	I.M.	K.M.	A.K.
A	15 FEB. 89	T.M.	T.T.	I.M.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 36 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-039				

R = 200m
 LA = 5°42'38"
 TL = 9m98
 CL = 19m93



R = 500m
 LA = 4°45'49"
 TL = 28m30
 CL = 56m57
 TCL = 15m00

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

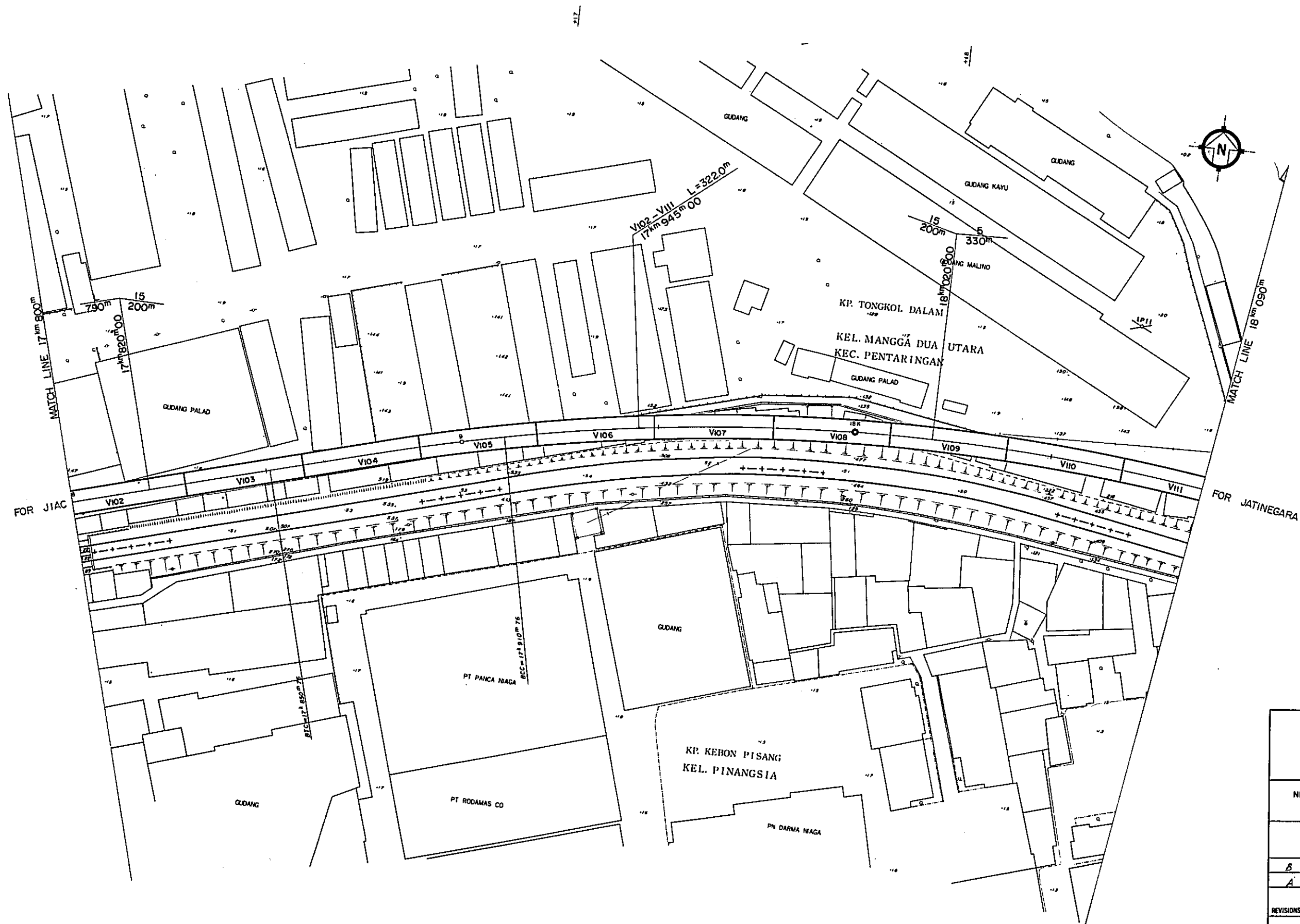
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

B	1. AUG. 04	T.H.	T.T.	I.H.	K.M.	M.K.
A	15 FEB. 04	T.A.	T.T.	I.H.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

PLAN (SHEET-37 OF 45)

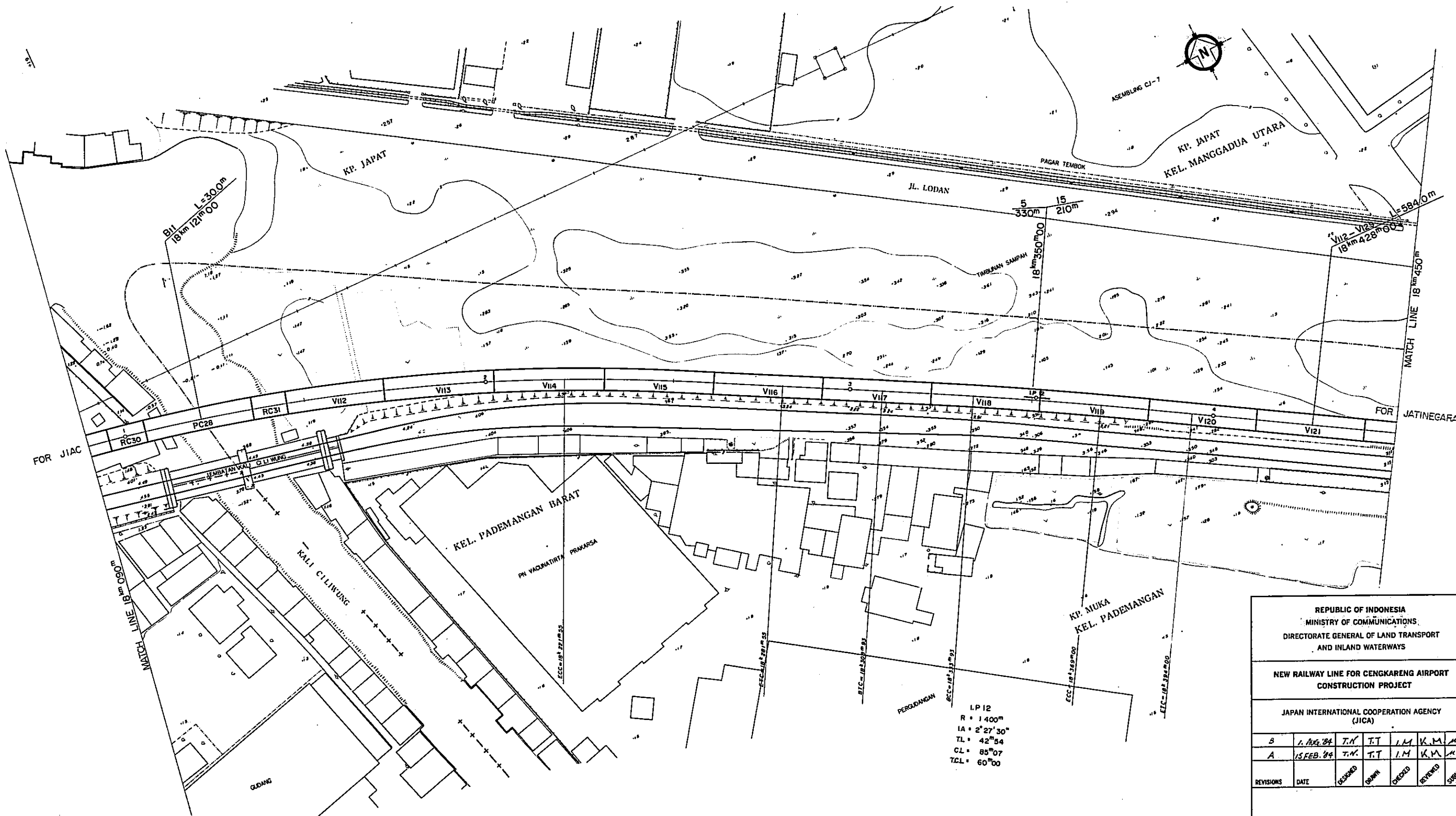
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:500 DRAWING NO: CG-040



LP 11
 R = 500m
 LA = 42° 28' 44"
 TL = 224m 49
 CL = 430m 79
 TCL = 60m 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)						
B	1 AUG. 04	T.N	T.T	I.M	K.M	M.K
A	15 FEB. 04	T.N	T.T	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 38 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					
1:500	CG-041					



I.P 12
 R = 1400m
 IA = 2°27'30"
 TL = 42m54
 CL = 85m07
 TCL = 60m00

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

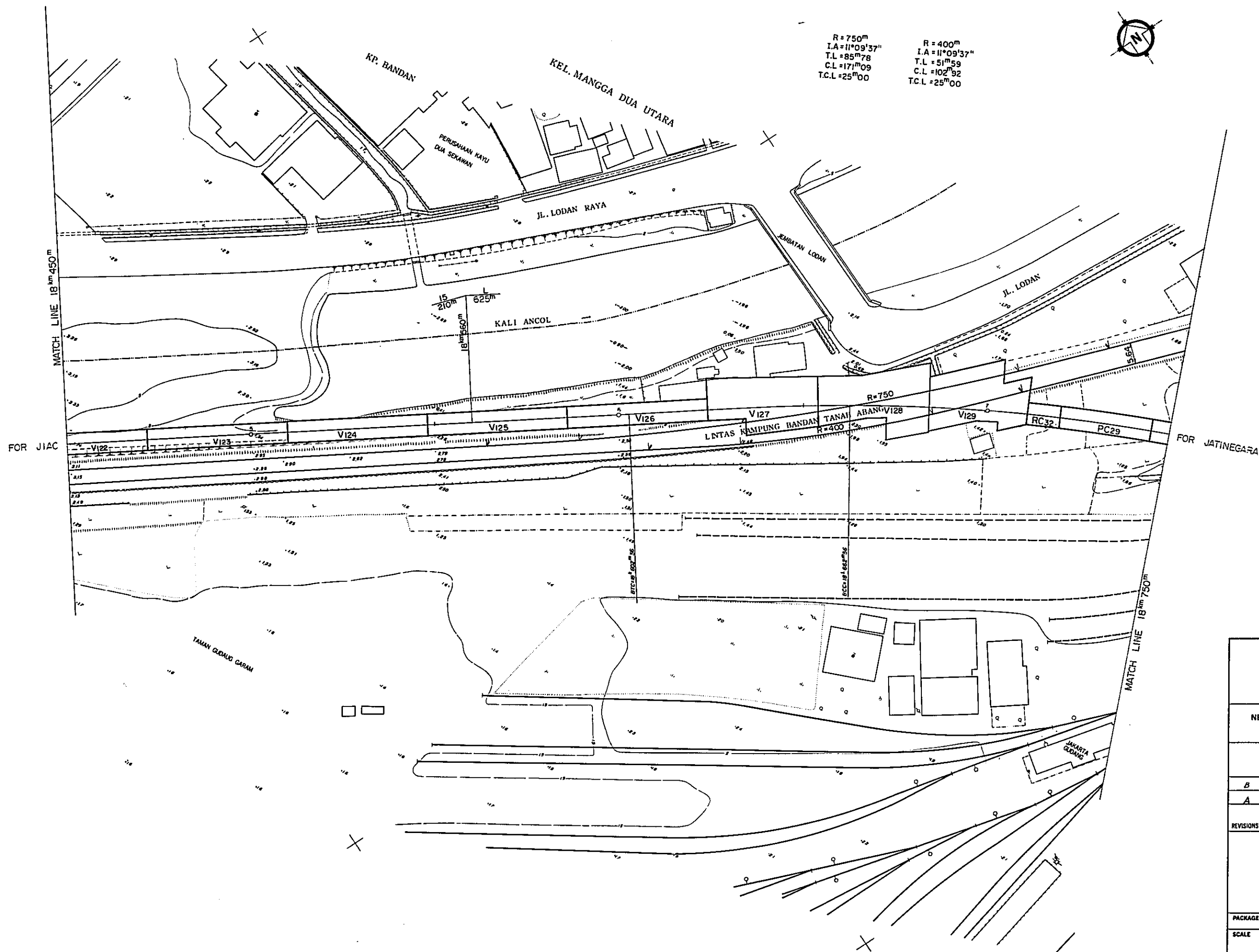
NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

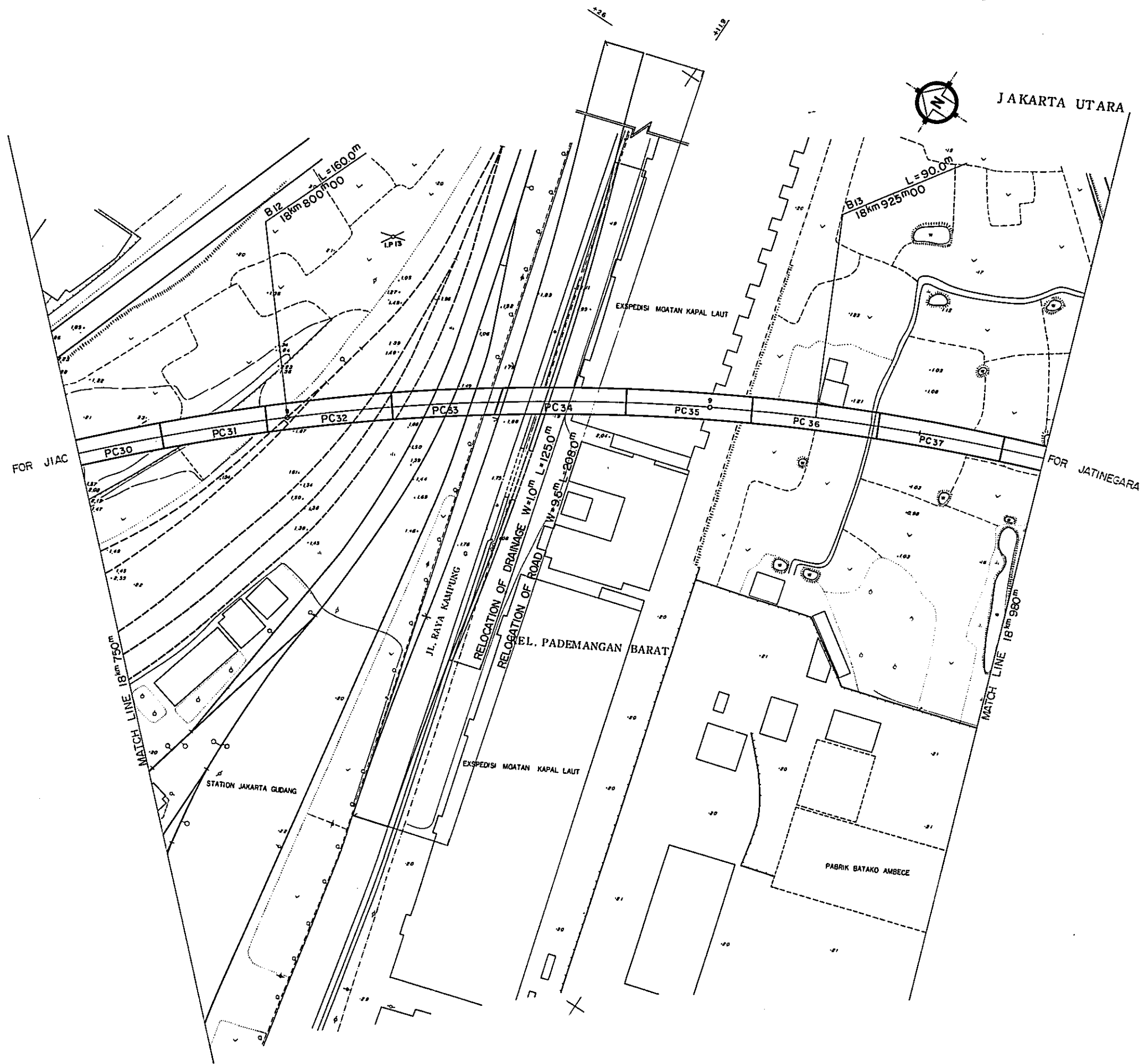
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1. AUG. 84	T.N.	T.T.	I.M.	K.M.	A.K.
A	15 FEB. 84	T.N.	T.T.	I.M.	K.M.	A.K.

PLAN (SHEET 39 OF 45)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK.
 SCALE: 1:500 DRAWING NO: CG.042



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	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. 88	T.N.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 40 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					
1:500	CG-043					



I.P 13
 R = 500m
 IA = 44°38'11"
 TL = 235m42
 CL = 449m62
 TCL = 60m00

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.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. '84	T.N.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 41 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-044				

R = 300^m
 IA = 7°00'22"
 T.L = 23^m37
 C.L = 46^m68
 T.C.L = 10^m00



R = 300^m
 I.A = 7°00'22"
 T.L = 23^m37
 C.L = 46^m68
 T.C.L = 10^m00

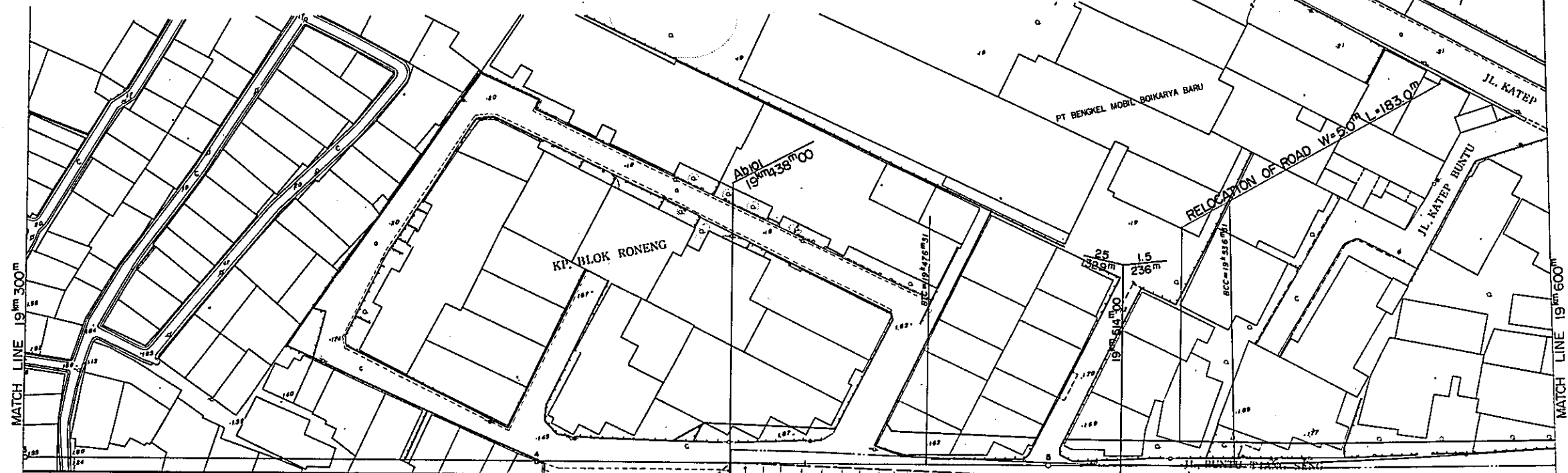
FOR JATINEGARA

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	T.N	T.T	I.M	K.M	A.K
A	15 FEB. 84	T.N	T.T	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 42 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:500		DRAWING NO.	CG-045		

JAKARTA BARAT

KEL. MANGGA DUA SELATAN
KEC. SAWAH BESAR

KP. MANGGA DUA SELATAN



FOR JIAC



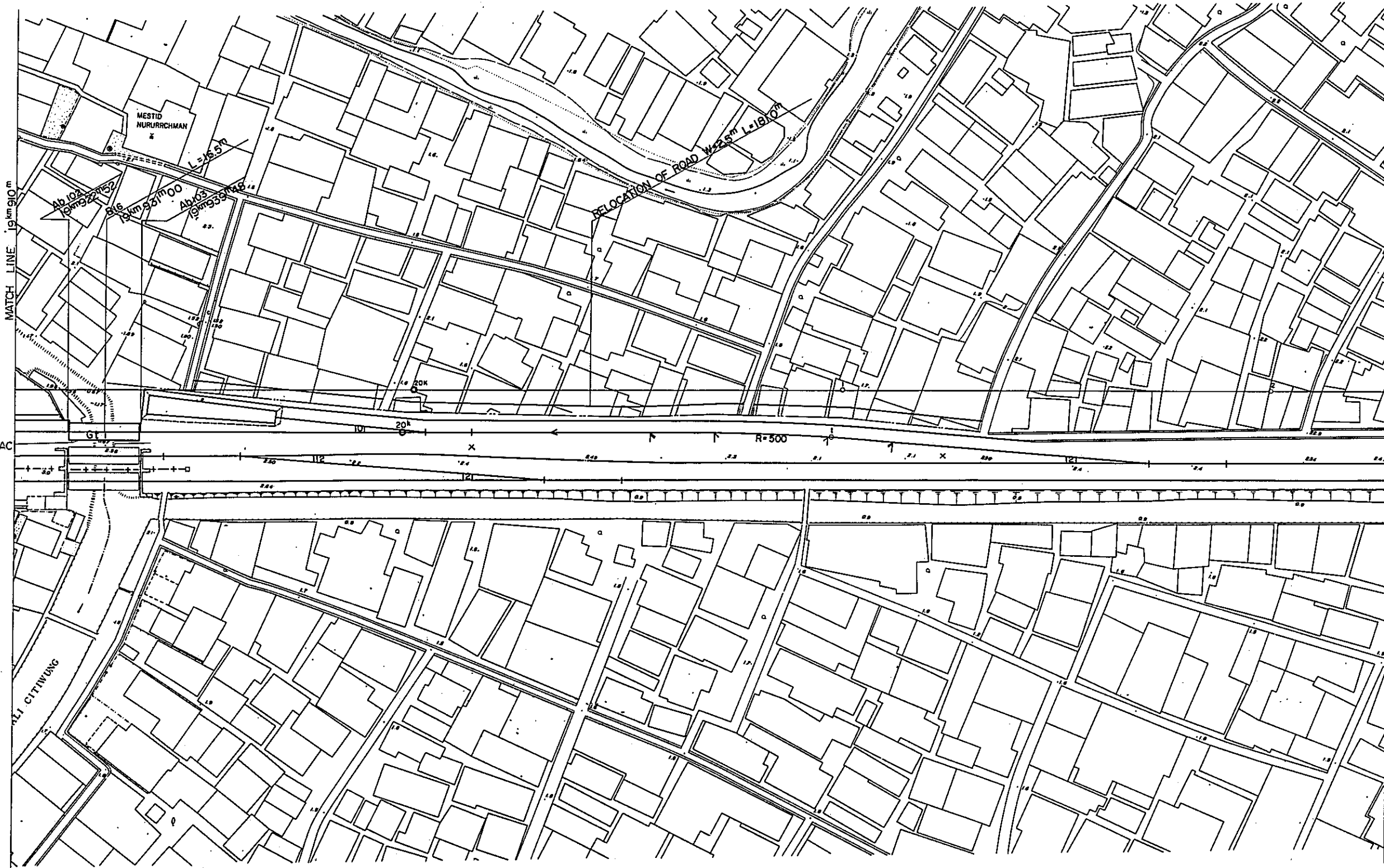
FOR JATINEGARA



KEL. PINANGSIA
KEC. TATHANSARI

JAKARTA P

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. 84	T.N.	T.T.	I.M.	K.M.	M.R.
A	15 FEB. 84	T.N.	T.T.	I.M.	K.M.	M.R.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 43 OF 45)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					
1:500	CG-046					



MATCH LINE 19m 910m

FOR JIAC

FOR JATINEGARA

ALI CITIWUNG

BESAT

R = 500m
I.A = 4°45'49"
T.L = 28m 30
C.L = 56m 58
T.C.L = 15m 00

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

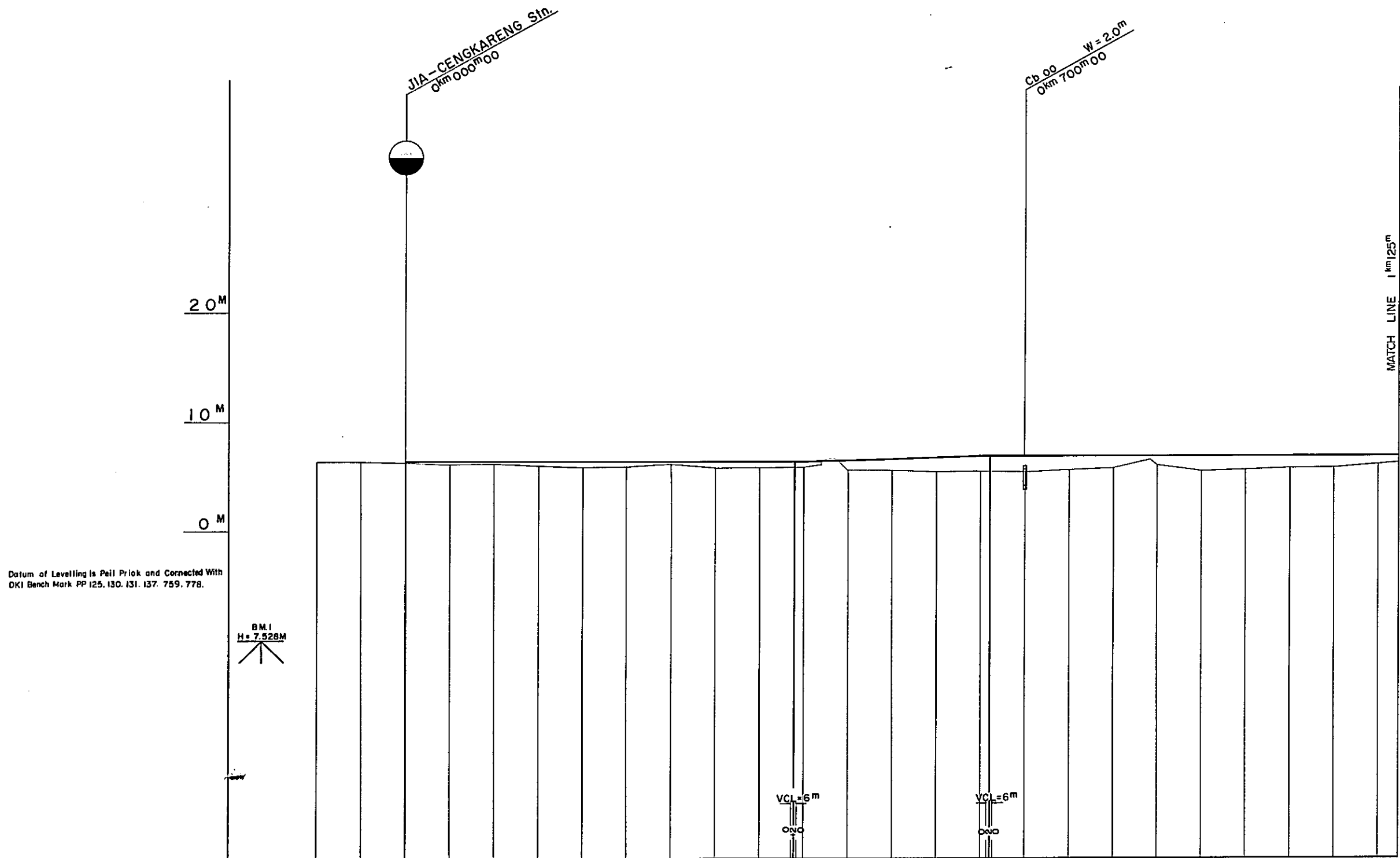
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

B	1 AUG. 89	T.N	T.T	J.M	K.W	M.K
A	15 FEB. 88	T.N	T.T	J.M	K.W	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

(PLAN (SHEET 45 OF 45))

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:500 DRAWING NO: CG 048



Datum of Levelling is Pelt Priok and Connected With
DKI Bench Mark PP 125. 130. 131. 137. 759. 778.

B.M.I.
H = 7.526M

MATCH LINE 1 Km 25m

NOTE :
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.

GRADIENT	6.400																		L	6.400																		2	6.840																		L
CUTTING																																																									
EMBANKMENT			0.16	0.34	0.36	0.48	0.67	0.66	0.39	0.73	0.74	0.69	1.08	1.18	1.44	1.45	1.50	1.41	1.21	0.94	1.46	1.36	1.26	1.11	0.87																																
RAIL LEVEL	7.024																																																								
FORMATION LEVEL	6.40																																																								
GROUND LEVEL	6.30	6.28	6.24	6.06	6.04	5.92	5.73	5.74	6.01	5.67	5.66	5.73	5.44	5.44	5.28	5.37	5.34	5.43	5.63	5.90	5.38	5.48	5.60	5.73	5.97																																
KILOMETERAGE	0km																																																								
CURVE																																																									

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)

#	1 AUG 82	T.N.	T.T	I.M	K.M	M.K
A	15 FEB 84	T.N.	T.T	I.M	K.M	M.K

REVISIONS

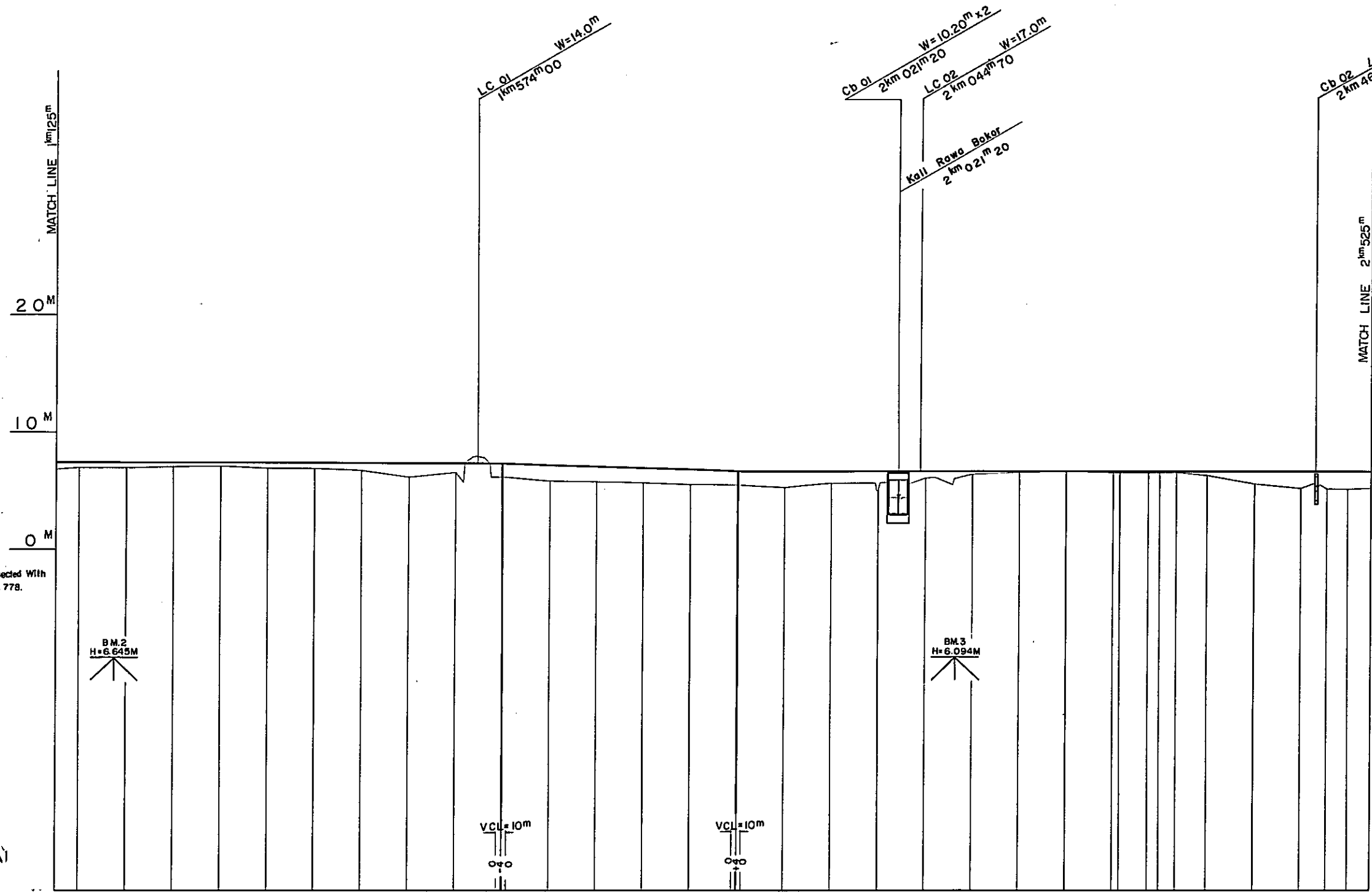
DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
------	----------	-------	---------	----------	-----------

PROFILE (SHEET 1 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: CG 049

Datum of Levelling Is Peit Priok and Connected With
DK1 Bench Mark PP 125, 130, 131, 137, 759, 778.



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L (6.840) 3 (6.090) L																																
CUTTING																																	
EMBANKMENT	0.56	0.54	0.44	0.39	0.52	0.64	0.78	1.33	0.98	1.36	1.53	1.44	1.36	1.31	1.18	1.45	1.10	1.70	0.69	0.71	0.31	0.19	0.03	0.28	0.18	0.23	0.22	0.20	0.43	1.09	1.50	1.62	1.56
RAIL LEVEL	"	7.464	"	"	"	7.464	"	"	"	7.460	7.314	7.164	7.014	6.864	6.718	6.714	"	6.714	"	"	"	"	6.714	"	"	"	"	"	6.714	"	"	"	"
FORMATION LEVEL	"	6.84	"	"	"	6.84	"	"	"	6.84	6.69	6.54	6.39	6.24	6.09	"	"	6.09	"	"	"	"	6.09	"	"	"	"	"	6.09	"	"	"	"
GROUND LEVEL	6.28	6.30	6.40	6.45	6.32	6.20	6.06	5.91	5.86	5.48	5.16	5.10	5.03	4.93	4.91	4.64	4.99	4.39	5.94	5.40	5.38	5.78	5.90	6.06	5.87	5.87	5.89	5.66	5.00	4.59	4.47	4.53	
KILOMETERAGE	2	3	4	5	6	7	8	850	9	2 km	1	2	3	4	5																		
CURVE																																	

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)

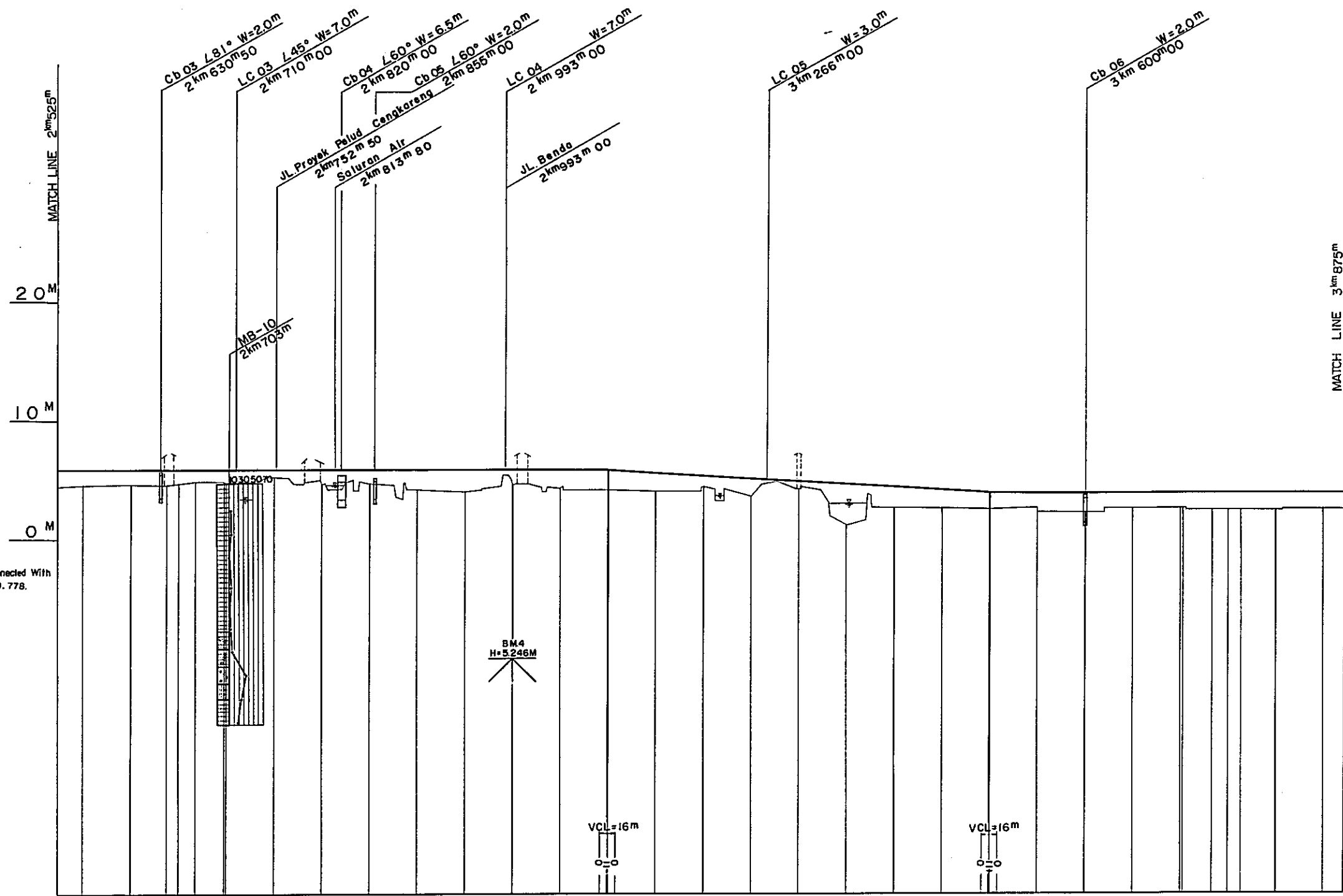
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 98	T.N.	T.T	I.M	K.M	A.K
A	15 FEB 02	T.N.	T.T	I.M	K.M	A.K

PROFILE (SHEET 2 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: CG 050

BTC=2km257m69 BCC=2km317m69 RI=1000



Datum of Levelling is Peil Priak and Connected With DKI Bench Mark PP 125, 130, 131, 137, 759, 778.

NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L (6.090) 5 (4.090) L																																																																							
CUTTING																																																																								
EMBANKMENT	1.39	1.33	1.35	1.22	1.11	1.12	1.21	0.72	1.39	1.20	1.26	1.81	1.92	1.37	1.65	1.79	1.68	1.09	1.61	0.79	3.61	1.93	1.65	1.48	1.41	1.74	1.54	1.40	1.55	1.54	1.54	1.58	1.51																																							
RAIL LEVEL	"	6.714	"	"	"	"	"	"	6.714	"	"	"	"	6.714	"	6.703	6.464	6.214	5.964	5.714	5.464	5.214	4.964	4.725	4.714	4.714	"	"	"	"	4.714	"																																								
FORMATION LEVEL	"	6.09	"	"	"	"	"	"	6.09	"	"	"	"	6.09	"	6.08	5.84	5.59	5.34	5.09	4.84	4.59	4.34	4.10	4.09	4.09	"	"	"	"	4.09	"																																								
GROUND LEVEL	4.70	4.76	4.74	4.67	4.98	4.97	4.88	5.37	4.70	4.89	4.83	4.28	4.17	5.55	4.72	4.44	4.29	4.16	4.50	3.73	4.30	1.23	3.82	2.66	2.69	2.62	2.68	2.35	2.55	2.69	2.69	2.54	2.55	2.55	2.51	2.58																																				
KILOMETERAGE	6	7	8	9	3km	1	2	3	4	5	6	7	8																																																											
CURVE	ECC=2km 637m 30																		ETC=2km 697m 30																		BTC=3km 703m 16																		BCC=3km 763m 16																	

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)

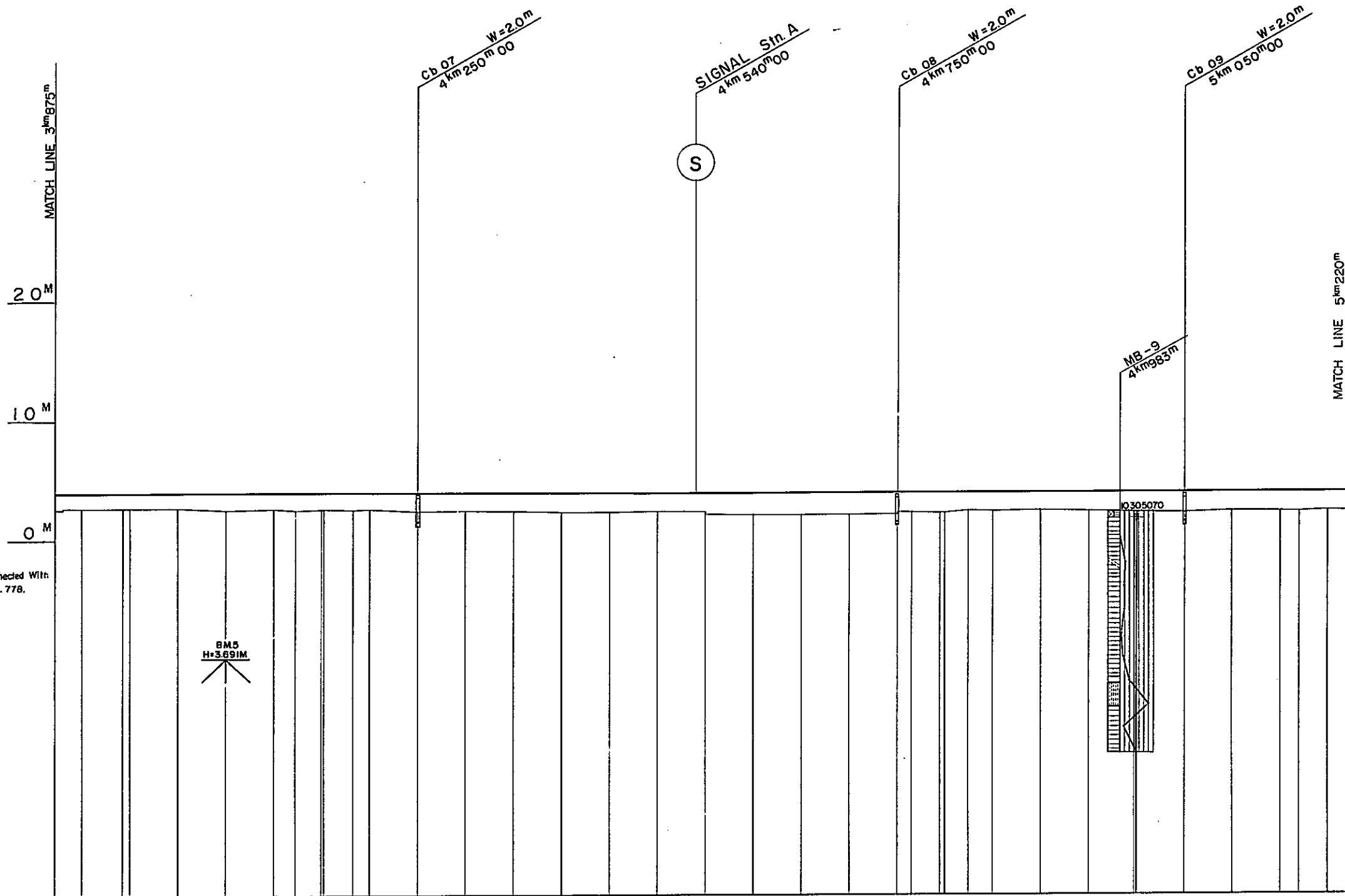
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
A	15 FEB 04	T.N.	T.T.	I.M.	K.M.	M.K.
B	1 AUG 04	T.N.	T.T.	I.M.	K.M.	M.K.

PROFILE (SHEET 3 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: CG 051

Datum of Levelling is Pelt Priok and Connected With
DKI Bench Mark PP 125, 130, 131, 137, 759, 778.



GRADIENT	L																																	
CUTTING																																		
EMBANKMENT	1.39	1.38	1.38	1.34	1.56	1.47	1.61	1.54	1.53	1.50	1.64	1.52	1.64	1.73	1.74	1.73	1.69	1.96	1.94	1.94	1.75	1.73	1.78	1.67	1.67	1.62	1.63	1.71	1.70	1.67	1.67	1.69	1.68	
RAIL LEVEL	"	"	4.714	"	"	"	4.714	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	"	4.714	"	"	"	"	4.714	"	"	"	4.714	"	4.714
FORMATION LEVEL	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	"	"	"	4.09	"	"	"	"	4.09	"	"	"	"	4.09	"	"	"	4.09	"	4.09
GROUND LEVEL	2.70	2.71	2.75	2.53	2.62	2.48	2.58	2.59	2.59	2.45	2.57	2.45	2.36	2.35	2.36	2.40	2.13	2.15	2.15	2.34	2.36	2.88	2.31	2.42	2.42	2.47	2.46	2.38	2.38	2.39	2.42	2.42	2.40	2.41
KILOMETERAGE	9	4	1	2	3	4	5	6	7	8	9	5	1	2																				
CURVE	R2=1000		ECC=4km122m94		ETC=4km182m94		BCC=4km824m31		BTC=4km764m31		R3=1000		ECC=5km169m80																					

NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS 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)

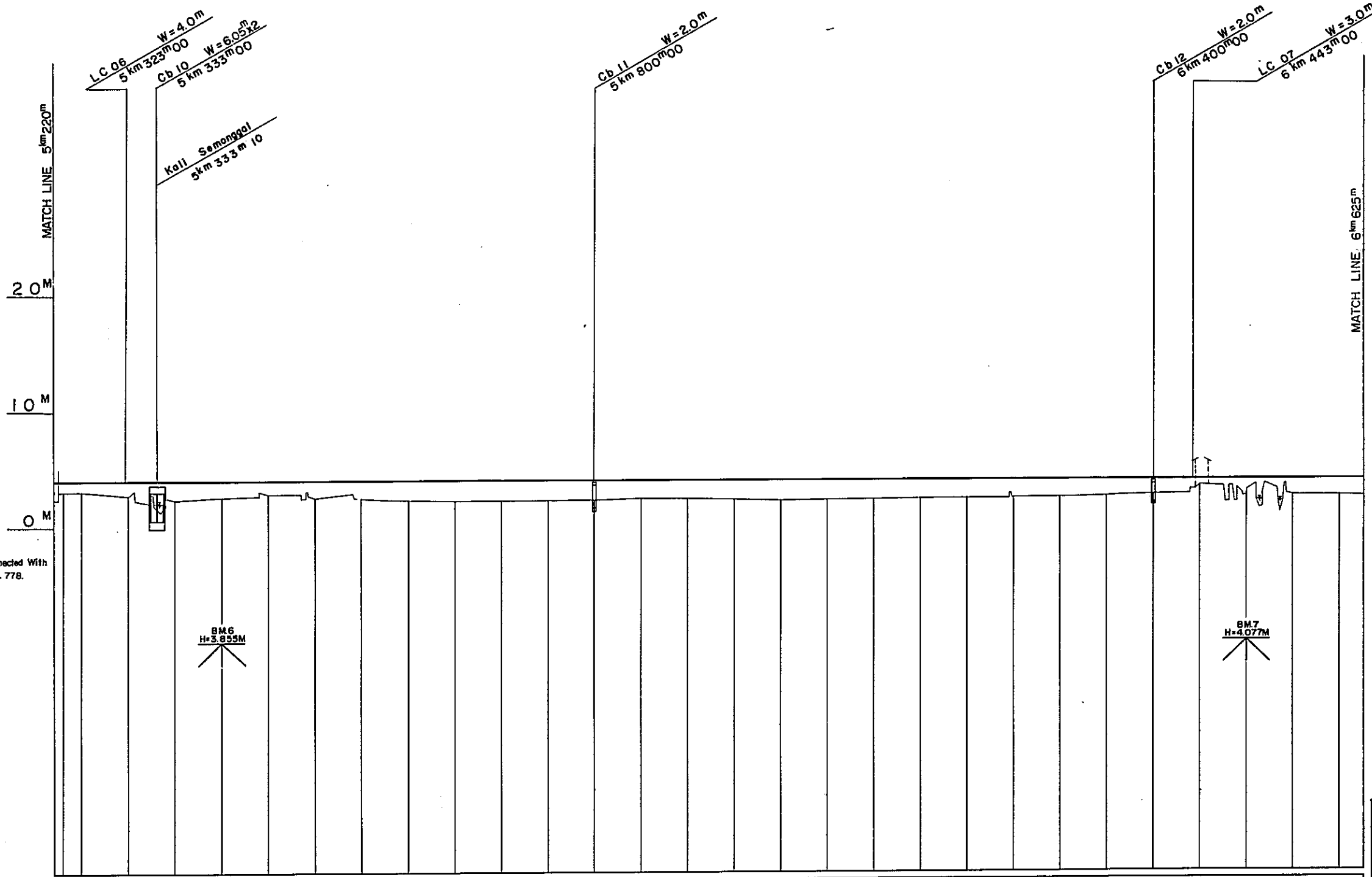
B	1 AUG 04	T.N.	T.T	I.M	K.M	M.K
A	15 FEB 04	T.N.	T.T	I.M	K.M	M.K

REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

PROFILE (SHEET 4 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 DRAWING NO: CG-052
H=1:2500



Datum of Levelling is Pail Priok and Connected With DKI Bench Mark PP 125, 130, 131, 137, 759, 778.

NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L																												
CUTTING																													
EMBANKMENT	0.98	1.30	1.70	1.49	1.19	1.50	1.67	1.73	1.85	1.68	1.73	1.72	1.67	1.70	1.70	1.78	1.72	1.58	1.71	1.67	1.63	1.62	1.47	1.44	0.67	1.44	1.49	1.51	
RAIL LEVEL	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	
FORMATION LEVEL	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	
GROUND LEVEL	3.06	3.11	2.79	2.87	2.25	2.39	2.60	2.90	2.59	2.42	2.36	2.24	2.41	2.36	2.37	2.42	2.39	2.39	2.31	2.37	2.51	2.38	2.42	2.46	2.47	2.62	2.65	3.17	2.58
KILOMETERAGE	3			4	5		6	7		8	9		6km	1	2		3	4		5	6								
CURVE	ETC-5km 229m 80																												

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. 08	T.N.	TT	I.M.	K.M.	M.K.
A	15 FEB. 09	T.N.	TT	I.M.	K.M.	M.K.

REVISIONS

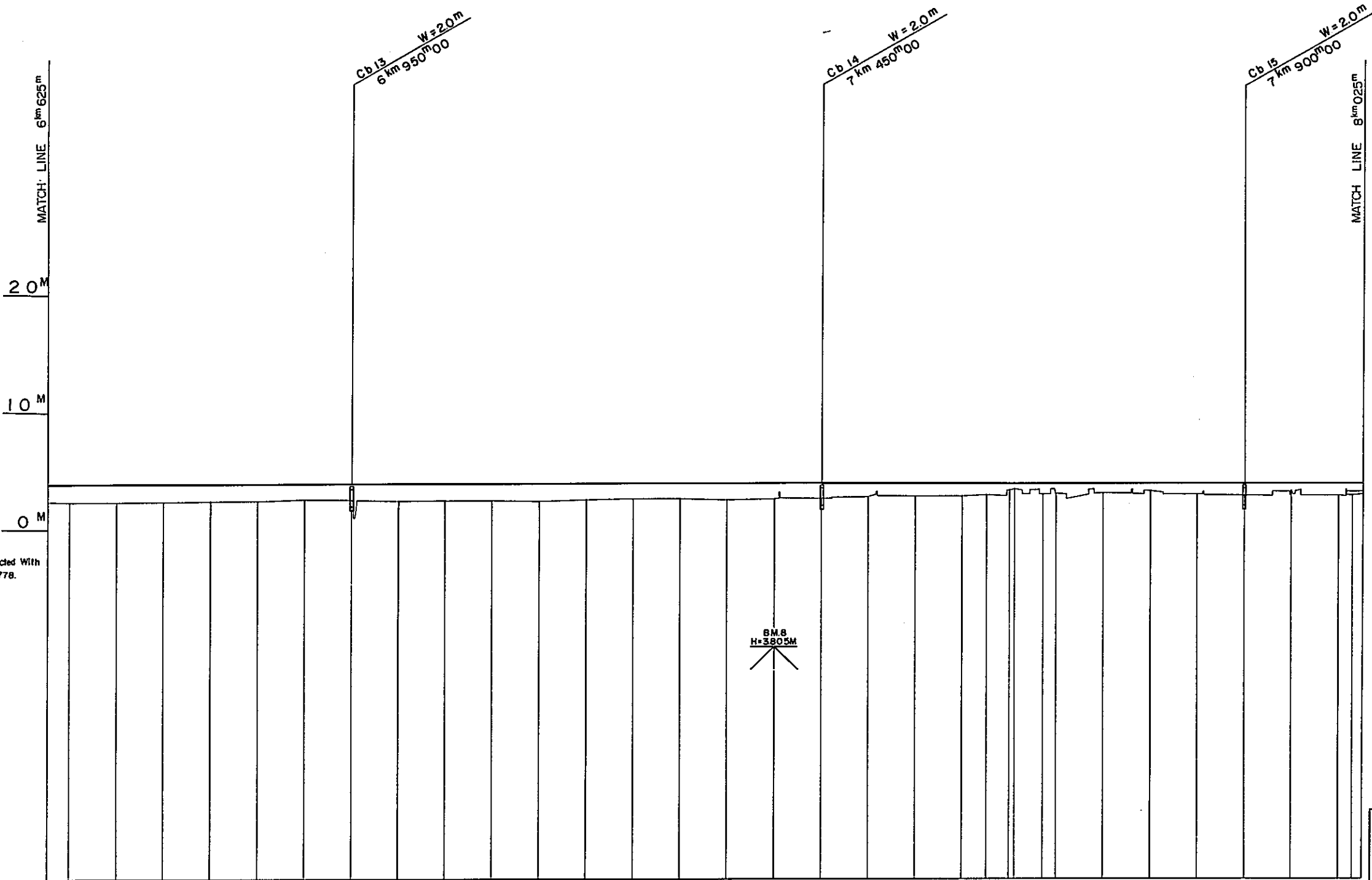
DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
------	----------	-------	---------	----------	-----------

PROFILE (SHEET 50 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: CG-053

Datum of Levelling is Pili Priok and Connected With
DKI Bench Mark PP 125, 130, 131, 137, 759, 778.



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L																														
CUTTING																															
EMBANKMENT	1.66	1.52	1.42	1.45	1.54	1.49	1.45	1.52	1.52	1.51	1.60	1.44	1.39	1.34	1.45	1.38	1.41	1.21	1.19	1.17	0.63	1.01	0.88	0.68	1.06	1.10	0.70	1.03			
RAIL LEVEL	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714	"	"	"	4.714			
FORMATION LEVEL	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09	"	"	"	4.09			
GROUND LEVEL	2.43	2.57	2.67	2.64	2.55	2.60	2.64	2.57	2.57	2.58	2.49	2.65	2.70	2.75	2.64	2.71	2.68	2.88	2.90	2.92	3.02	3.45	3.06	3.08	3.21	3.41	3.03	2.99	3.39	3.00	3.02
KILOMETERAGE	7		8		9		7 km		1		2		3		4		5		6		7		8		9		8 km				
CURVE	BTC=7 km 626+23 BCC=7 km 686+23 R4=1000																														

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)

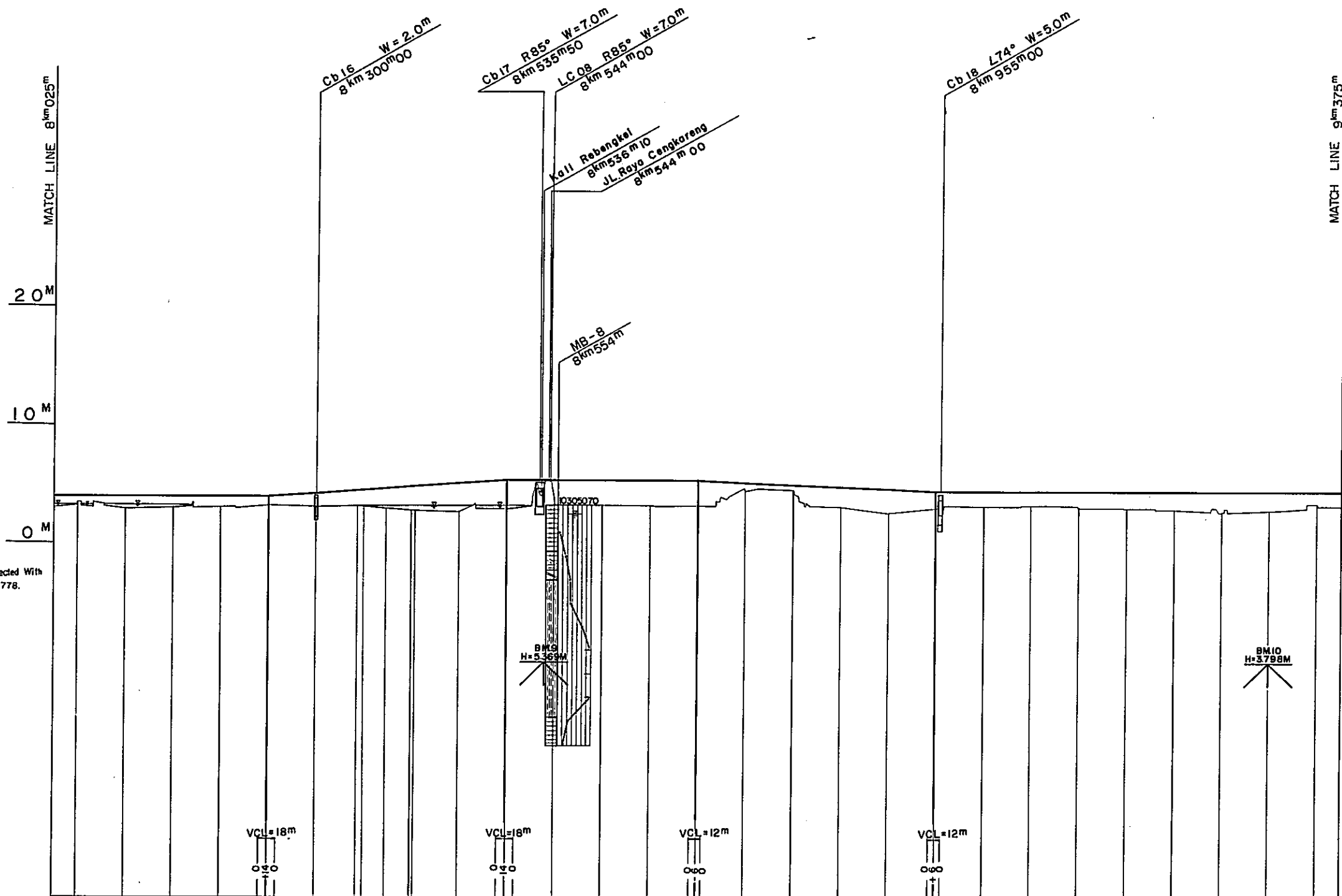
NO	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
0	1.12.04	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB 04	T.N.	T.T.	I.M.	K.M.	M.K.

PROFILE(SHEET 6 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: C'G-054

Datum of Levelling is Peil Priok and Connected With
DKI Bench Mark PP (25.130.131.137.759.778.



NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L (4090) 6 (5590) L (5590) 4 (4590) L																														
CUTTING																															
EMBANKMENT	0.82	1.13	0.96	0.92	0.86	1.18	1.47	2.13	2.54	2.58	1.78	2.29	2.29	2.25	0.80	0.53	1.78	2.05	1.48	1.35	1.22	1.41	1.42	1.61	1.80	1.63	1.10				
RAIL LEVEL	"	"	"	4.714	4.728	5.014	5.314	5.614	5.914	6.200	6.214	6.214	"	6.208	6.014	5.814	5.614	5.414	5.220	5.214	"	"	"	5.214	"	"	"				
FORMATION LEVEL	"	"	"	4.09	4.10	4.39	4.69	4.99	5.29	5.58	5.59	5.59	5.59	5.58	5.39	5.19	4.99	4.79	4.60	4.59	"	"	"	4.59	"	"	"				
GROUND LEVEL	3.47	2.96	3.13	3.17	3.24	3.21	3.27	3.05	2.88	2.88	2.75	3.00	5.09	5.48	5.81	3.30	3.30	3.33	4.79	4.66	3.21	2.74	3.12	3.24	3.37	3.18	3.17	2.98	2.79	2.96	3.49
KILOMETERAGE	1	2	250	3	4	5	6	7	8	9	950	9km	1	2	3																
CURVE	ECC=8km342m93 ETC=8km402m93																														

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.1988	T.N.	T.T	I.M	K.M	A.K
A	15.FEB.88	T.N.	T.T	I.M	K.M	A.K

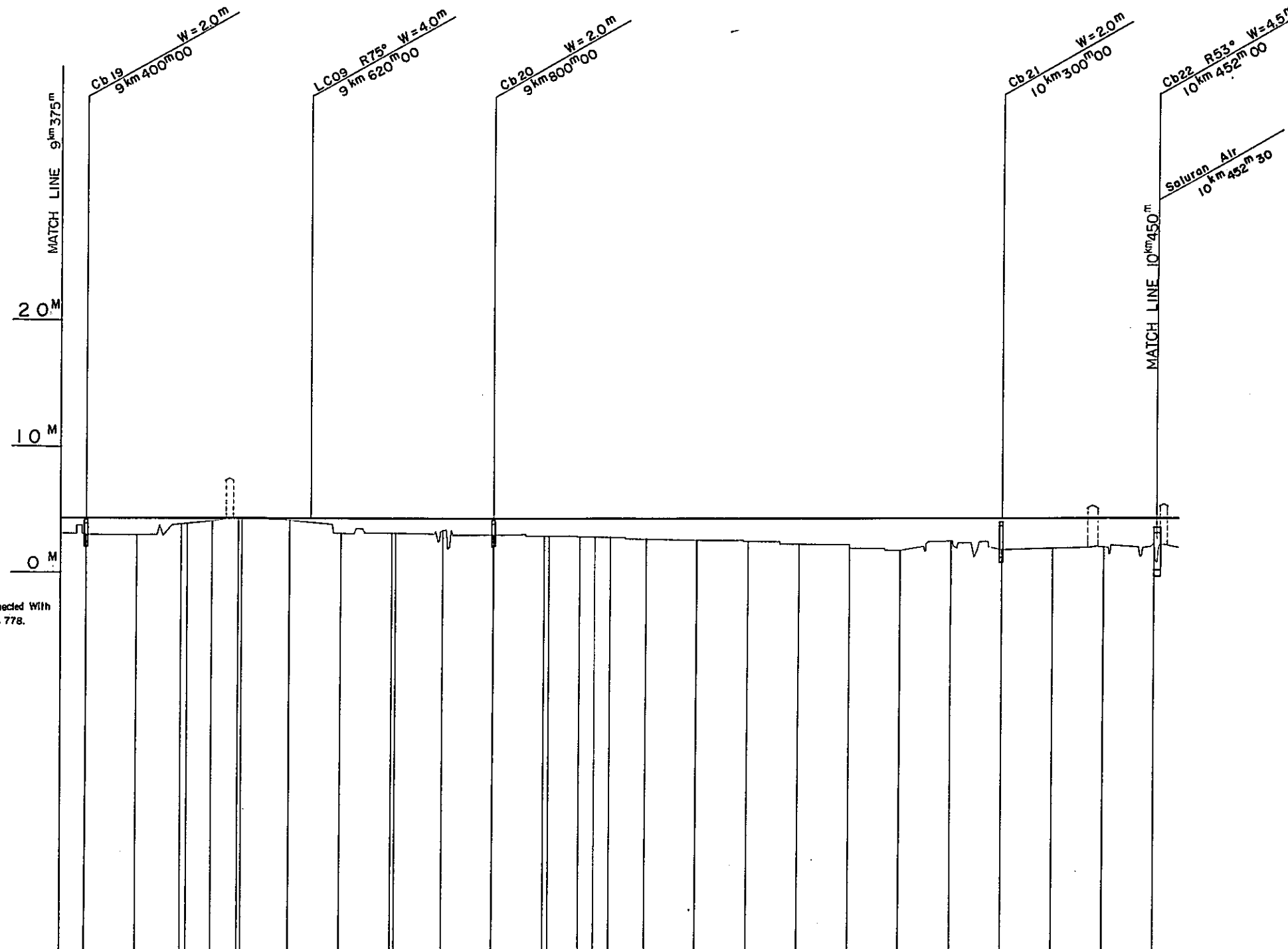
REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

PROFILE (SHEET 7 OF 16)

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: CG:055

Datum of Levelling is Pail Priok and Connected With
DKI Bench Mark PP 125, 130, 131, 137, 759, 778.

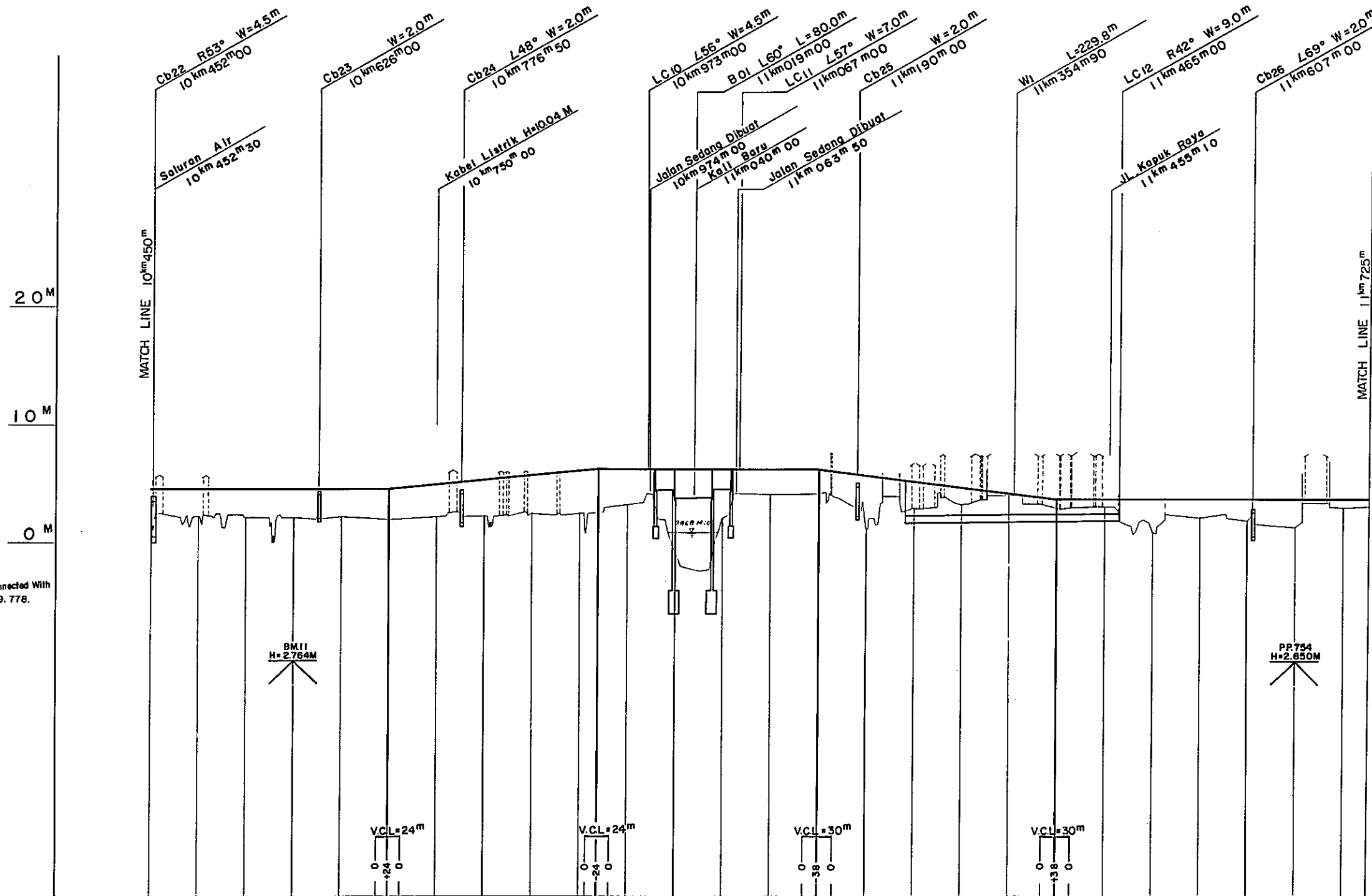


NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L																										
CUTTING																											
EMBANKMENT	1.34	1.39	0.50	0.02	0.21	1.27	1.30	1.06	1.41	1.46	1.58	1.75	1.83	1.97	2.15	2.48	2.57	1.88	2.54	2.38	2.35						
RAIL LEVEL	5214	"	"	"	5214	"	"	"	5214	"	"	"	5214	"	"	"	5214	"	"	"	5214						
FORMATION LEVEL	459	"	"	"	459	"	"	"	459	"	"	"	459	"	"	"	459	"	"	"	459						
GROUND LEVEL	3.25	3.20	4.04	4.09	4.26	4.59	4.38	3.32	3.29	3.50	3.53	3.18	3.13	3.10	3.03	3.01	2.99	2.84	2.76	2.62	2.44	2.11	2.02	2.71	2.05	2.21	2.24
KILOMETERAGE	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
CURVE	BTC=9+493m52 BCC=9+553m52 R5=1000 ECC=9+854m27 ETC=9+914m27																										

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	T.N.	T.T	I.M	K.M	M.K				
A	15 FEB '84	T.N.	T.T	I.M	K.M	M.K				
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED				
PROFILE(SHEET 8 OF 16)										
PACKAGE: I CIVIL AND ARCHITECTURAL WORK										
SCALE	V=1:200	DRAWING NO:		CG-056						H=1:2500

Datum of Levelling is Pili Priok and Connected With
DKI Bench Mark PP125.130.131.137.759.778.



NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L																				4.590	8	6.350	L	6.350	10	3.850	L	
CUTTING																													
EMBANKMENT	240	235	246	246	237	263	277	313	319	368	308	7.18	422	223	218	465	242	162	034	092	073	296	1.71	201	248	083			
RAIL LEVEL	5214	"	"	"	"	5238	5614	6014	6414	6814	6950	6974	"	"	6936	6474	5974	5474	4974	4512	4474	"	"	"	"	"			
FORMATION LEVEL	4.59	"	"	"	"	4.61	4.99	5.39	5.79	6.19	6.33	6.35	"	"	6.31	5.85	5.35	4.85	4.35	3.89	3.85	"	"	"	"	"			
GROUND LEVEL	2.19	2.24	2.13	2.13	2.22	1.98	2.22	2.26	2.51	2.51	3.27	4.19	1.89	-0.83	2.13	4.18	4.12	4.13	1.20	2.93	3.23	4.01	2.97	3.12	0.89	2.14	1.84	1.37	3.02
KILOMETERAGE	5		6		7		8		9		9+20		11 km		150		2		3		4		5		6		7		
CURVE																													

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.N.	T.T	I.M	K.M	M.R
A	15 FEB '84	T.N.	T.T	I.M	K.M	M.R

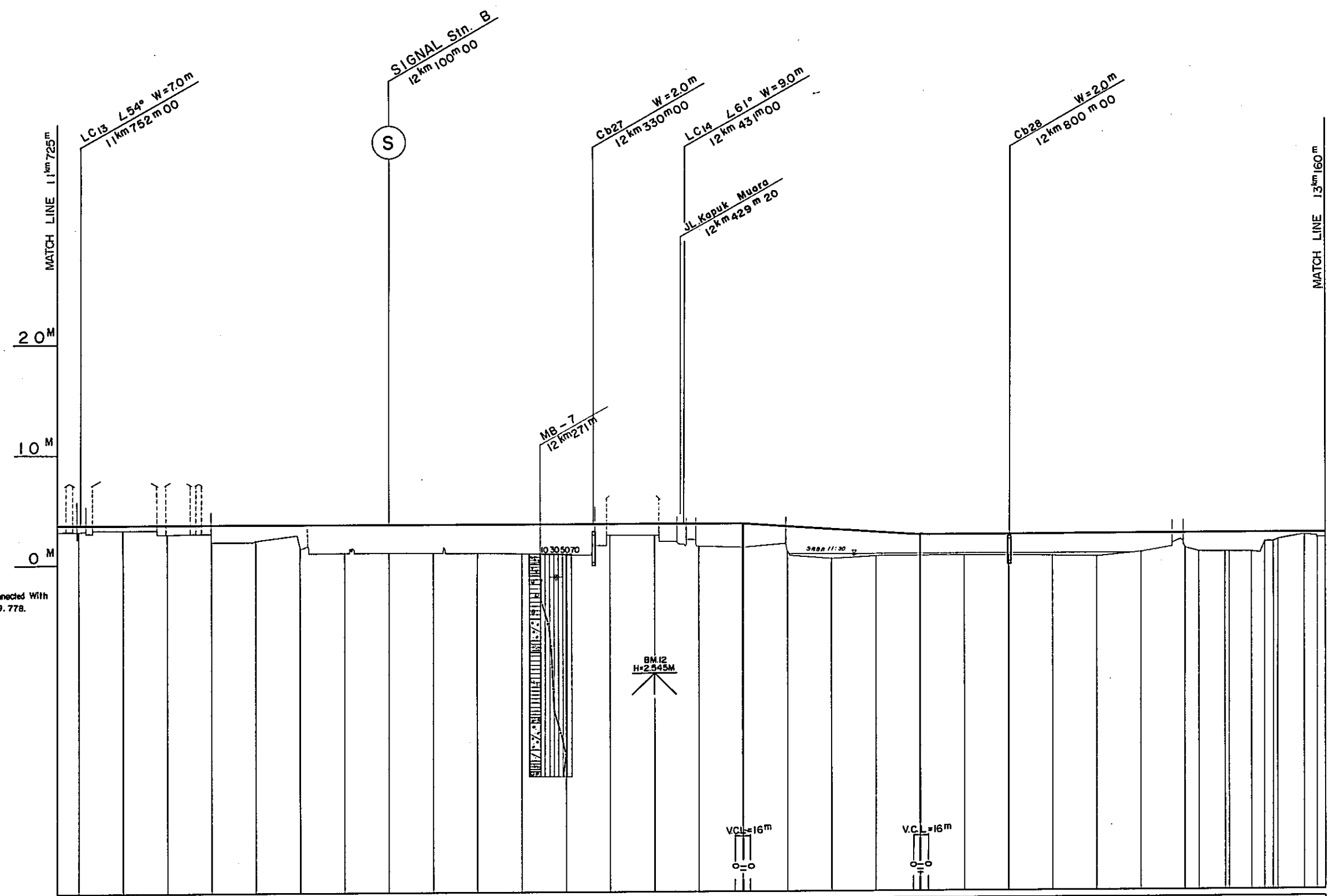
REVISIONS DATE DESIGNED DRAWN CHECKED REVISION SUBMITTED

PROFILE(SHEET 9 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: CG-057

Datum of Levelling is Peil Priok and Connected With DKI Bench Mark PP 125, 130, 131, 137, 759, 778.



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L																																			
CUTTING																																				
EMBANKMENT	0.76	0.60	0.63	1.72	1.58	2.36	2.76	2.72	2.81	2.80	2.85	2.99	1.18	1.18	2.23	2.32	2.48	2.93	2.44	2.24	2.18	2.20	2.25	2.31	1.92	1.49	1.90	0.98	0.64							
RAIL LEVEL	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	4.463	4.224	3.974	3.724	3.485	3.474	"	"	"	"	"	"	"	"							
FORMATION LEVEL	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	3.84	3.60	3.35	3.10	2.86	2.85	"	"	"	"	"	"	"	"							
GROUND LEVEL	3.09	3.25	2.87	2.13	2.27	1.49	1.09	1.13	1.04	1.05	1.00	0.86	2.67	2.67	1.87	1.62	1.52	1.12	0.42	0.66	0.62	0.67	0.65	0.60	0.54	0.93	1.36	0.96	0.95	0.95	0.93	1.86	1.87	2.07	2.48	2.21
KILOMETERAGE	8		9		12 km		1		2		3		4		5		6		7		8		9		13 km		1									
CURVE																																				

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)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1. AUG. 04	T.N.	T.T.	I.M.	K.M.	A.R.
A	15 FEB. 04	T.N.	T.T.	I.M.	K.M.	A.R.

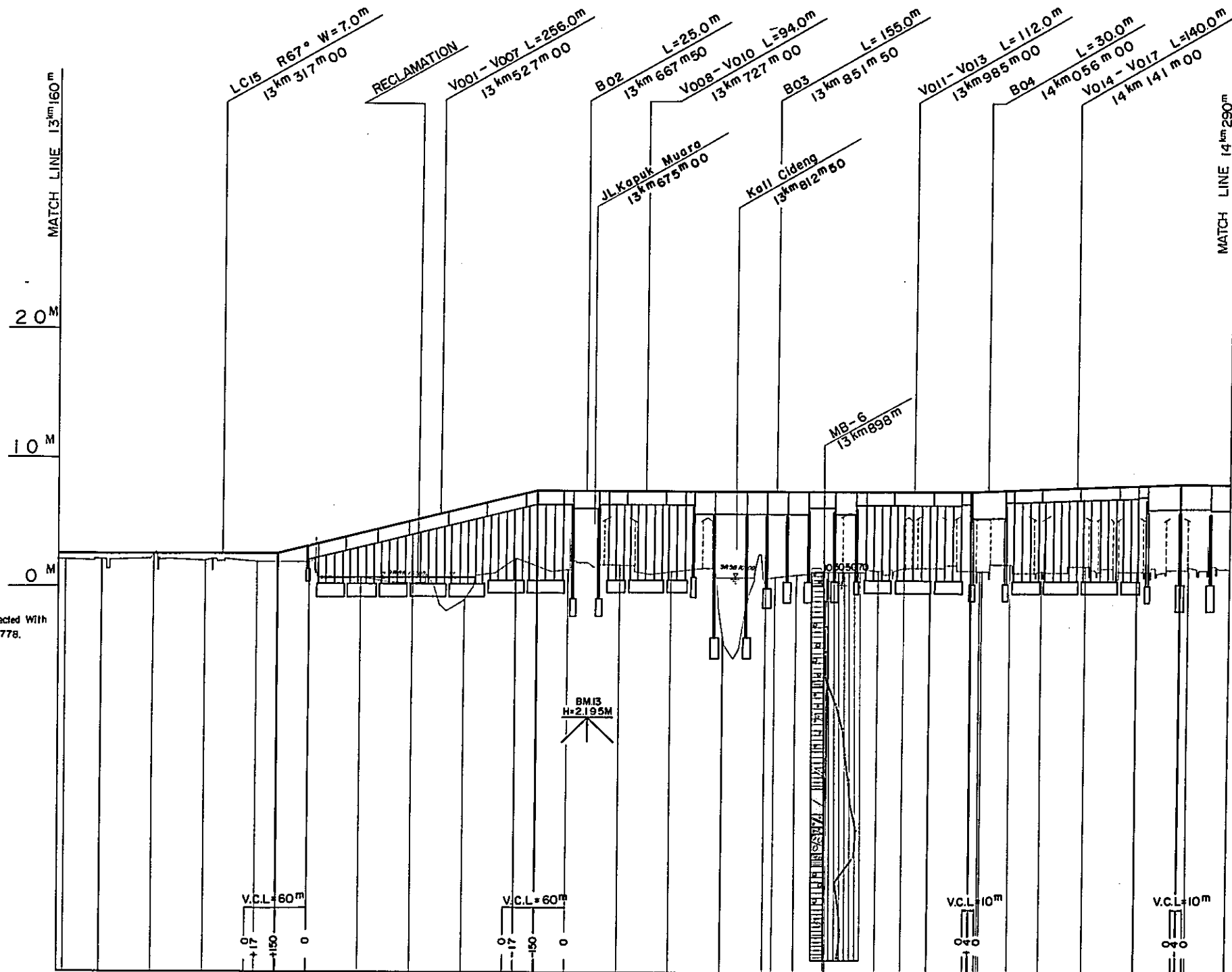
PROFILE (SHEET 10 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: CG.058

BTC=13km015m89 BCC=13km075m89 ECC=13km105m17

Datum of Levelling is Pelt Priok and Connected With
DK1 Bench Mark PP 125, 130, 131, 137, 759, 778.



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L (2.850) 20 (7.850) L (7.850) 3 (8.450) L																																						
CUTTING																																							
EMBANKMENT	0.59	0.21	0.71	0.78																																			
RAIL LEVEL	"	"	"	3.491	3.624	4.074	5.074	6.074	7.074	8.057	8.324	8.474	"	"	"	"	"	8.478	8.504	8.654	8.804	8.954	9.070	9.074															
FORMATION LEVEL	"	"	"	2.87	3.00	3.45	4.45	5.45	6.45	7.43	7.70	7.85	"	"	"	"	"	7.88	8.03	8.18	8.33	8.45	"																
GROUND LEVEL	2.18	2.26	2.64	2.14	2.16	2.09	2.06	0.87	0.45	-0.74	2.39	1.54	1.76	1.90	1.38	1.75	-3.71	2.79	1.99	0.97	1.18	0.74	0.93	1.42	1.51	1.71	1.71	1.52	1.52	2.04	1.33	1.92	1.61	1.49	1.48	1.57	1.83	1.66	1.74
KILOMETERAGE	2	3	370	4	5	6	620	7	8	9	14km040	1	2	240																									
CURVE	ETC=13km165m17 B7=1000 B7C=13km841m61 BCC=13km901m61 ECC=14km048m04 ETC=14km108m04																																						

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. 88	T.N.	T.T.	I.M.	K.M.	A.K.
A	15 FEB. 88	T.N.	T.T.	I.M.	K.M.	A.K.

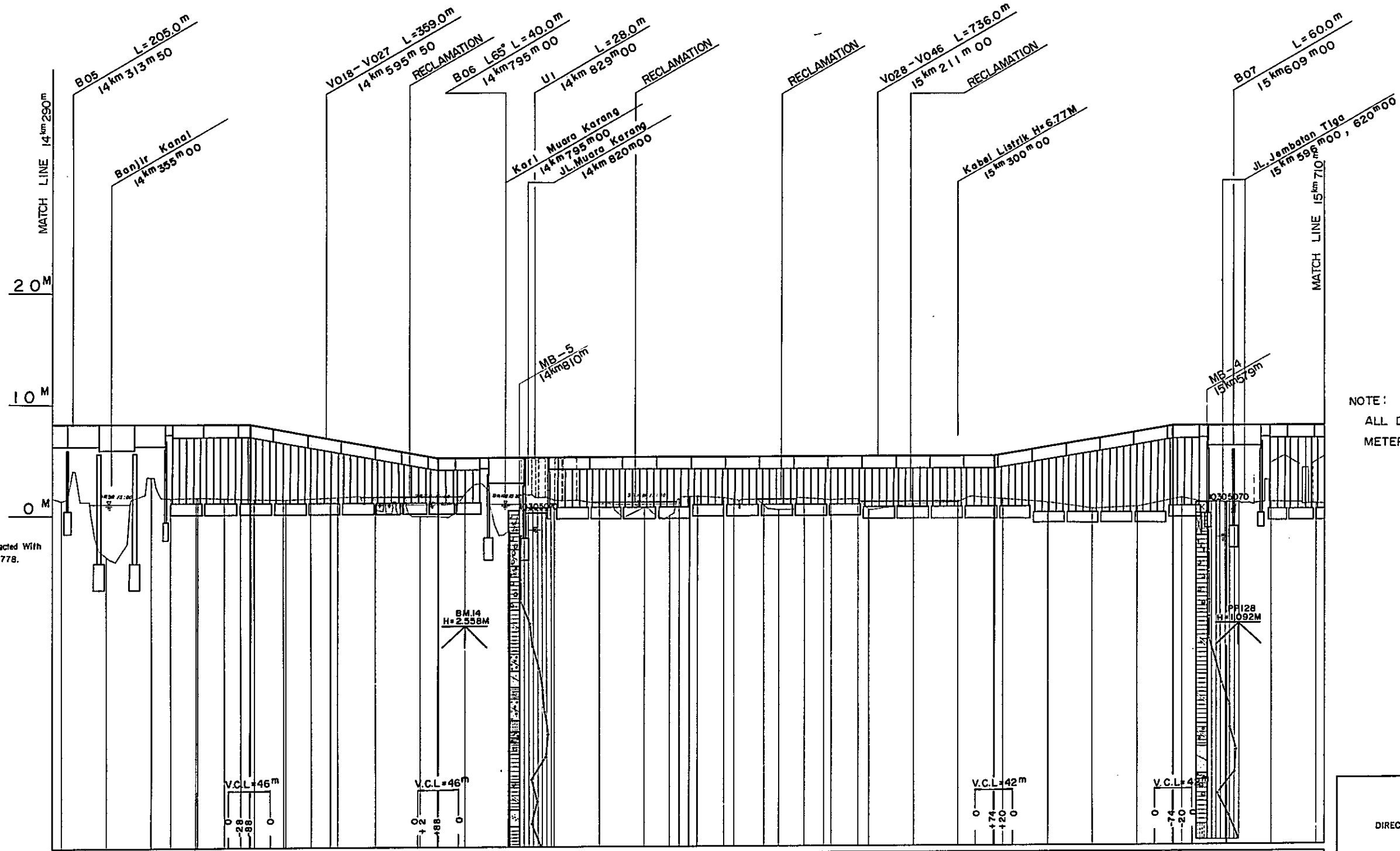
REVISIONS	DATE	DRAWN	CHECKED	REVIEWED	SUBMITTED
-----------	------	-------	---------	----------	-----------

PROFILE(SHEET.11 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 DRAWING NO: CG-059
H=1:2500

Datum of Levelling is Peil Priak and Connected With
DKI Bench Mark PP 125, 130, 131, 137, 759, 778.



NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L		(8.450)	15	(5.300)	L		(5.300)	14	(8.100)	L																																																																																						
CUTTING																																																																																																	
EMBANKMENT																																																																																																	
RAIL LEVEL	=	=	=	=	8046	8986	8474	7724	6974	6226	6012	5924	=	=	=	=	=	5998	6084	6764	7464	8164	8650	8704	8724	=	=																																																																						
FORMATION LEVEL	=	=	=	=	8.42	8.36	7.85	7.10	6.35	5.60	5.39	5.30	=	=	=	=	=	5.37	5.46	6.14	6.84	7.54	8.03	8.08	8.10	=	=																																																																						
GROUND LEVEL	1.40	4.11	1.34	-3.63	1.50	1.96	2.53	2.11	1.60	1.68	1.69	1.57	1.55	1.51	1.45	1.46	1.56	1.65	1.68	0.92	-0.16	2.00	2.19	-2.52	1.77	1.29	0.97	0.61	-0.16	1.43	1.58	1.61	1.46	1.28	0.76	0.40	1.43	1.32	1.28	1.35	0.28	0.84	1.02	1.31	0.97	0.37	0.49	1.38	0.63	0.87	0.72	0.72	0.94	0.71	0.77																																										
KILOMETERAGE	3	4	5	510	6	7	720	8	9	10	15	16	17	18	19	20	21	22	23	24	25	340	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CURVE	BCC=14km421m78 R8=1000 BCC=14km481m78 ECC=14km547m94 ETC=14km607m94												BCC=14km978m06 R9=1000 BCC=15km039m06 ECC=15km128m50 ETC=15km188m50																																																																																				

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)

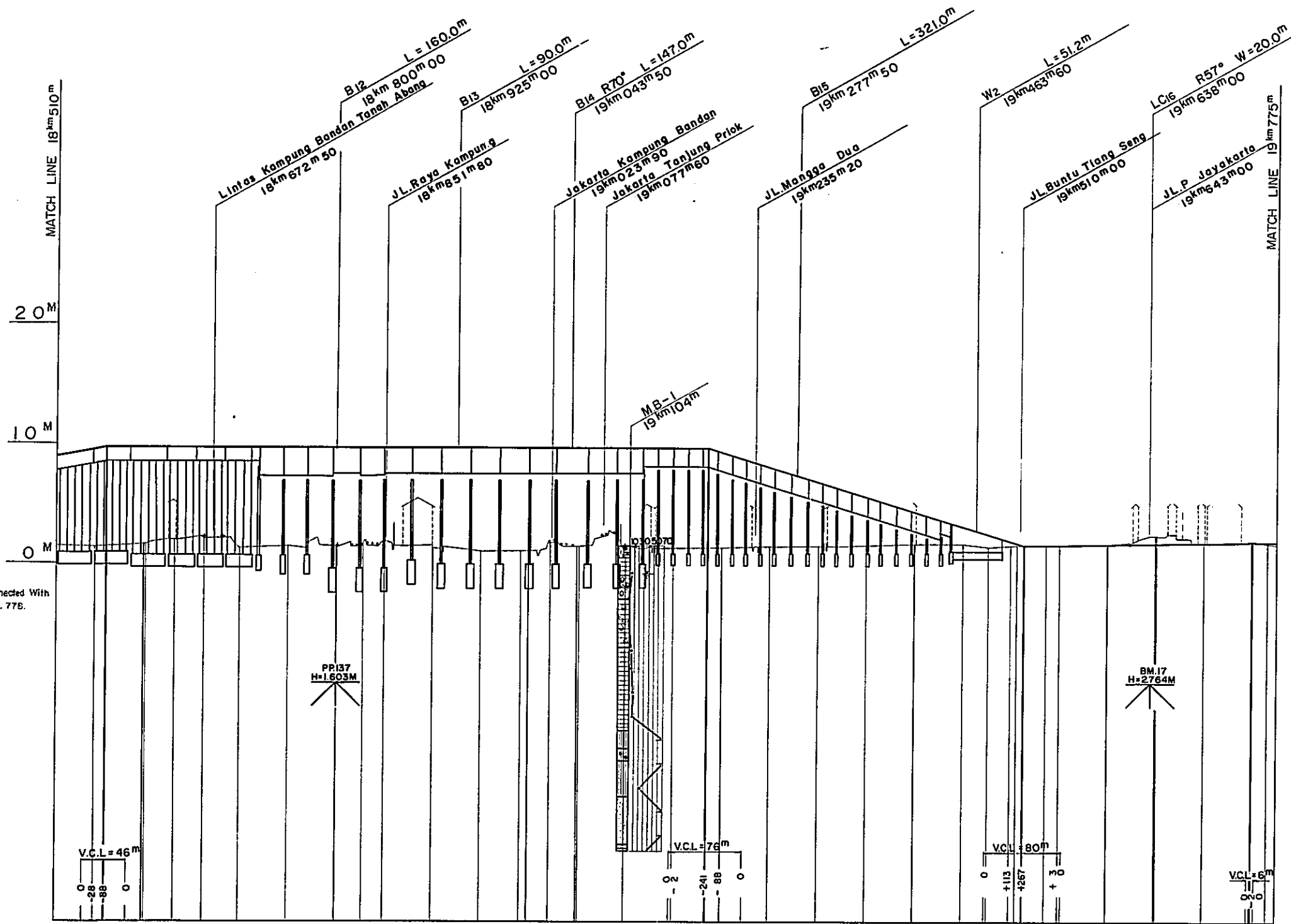
B	1.AUG.82	T.N.	T.T	I.M	K.M	A.K
A	15.FEB.80	T.N.	T.T	I.M	K.M	A.K

REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

PROFILE(SHEET 12 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: CG-060



datum of Levelling is Peil Priok and Connected With
DKI Bench Mark PP 125, 130, 131, 137, 759, 775.

NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.

GRADIENT	9.930	L	9.930	25	1.705	1.5	2.059	
CUTTING						0.31		
EMBANKMENT					1.64	0.59	0.18	
RAIL LEVEL	10.374 10.466	10.554	"	"	"	"	"	
FORMATION LEVEL	9.75 9.84	9.93	"	"	"	"	"	
GROUND LEVEL	1.41 1.64 1.65 1.98 2.18 2.16	1.31	1.46 1.40 1.71 1.87	1.52 1.02 1.10 1.77 1.53 1.49	1.39 1.42 1.38 1.43 1.46 1.51	1.55 1.59 1.71 1.67 1.50 1.88 1.59 1.58	1.70 1.79 2.40 2.21 2.21 1.79	
KILOMETERAGE	560	6	7	8	9	19km	1	
CURVE	BCC=18km602m56 BCC=18km662m56 R13=500 ECC=18km992m18 BCC=19km062m18 R=300 ETC, BTC=19km098m66 R=300 ETC=19km149m55 BCC=19km068m66 ECC=19km135m55 BTC=19km551m79 BCC=19km571m79 R=700 ECC=19km764m66							

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	T.N	T.T	I.M	K.M	M.K
A	15 FEB. 84	T.N	T.T	I.M	K.M	M.K

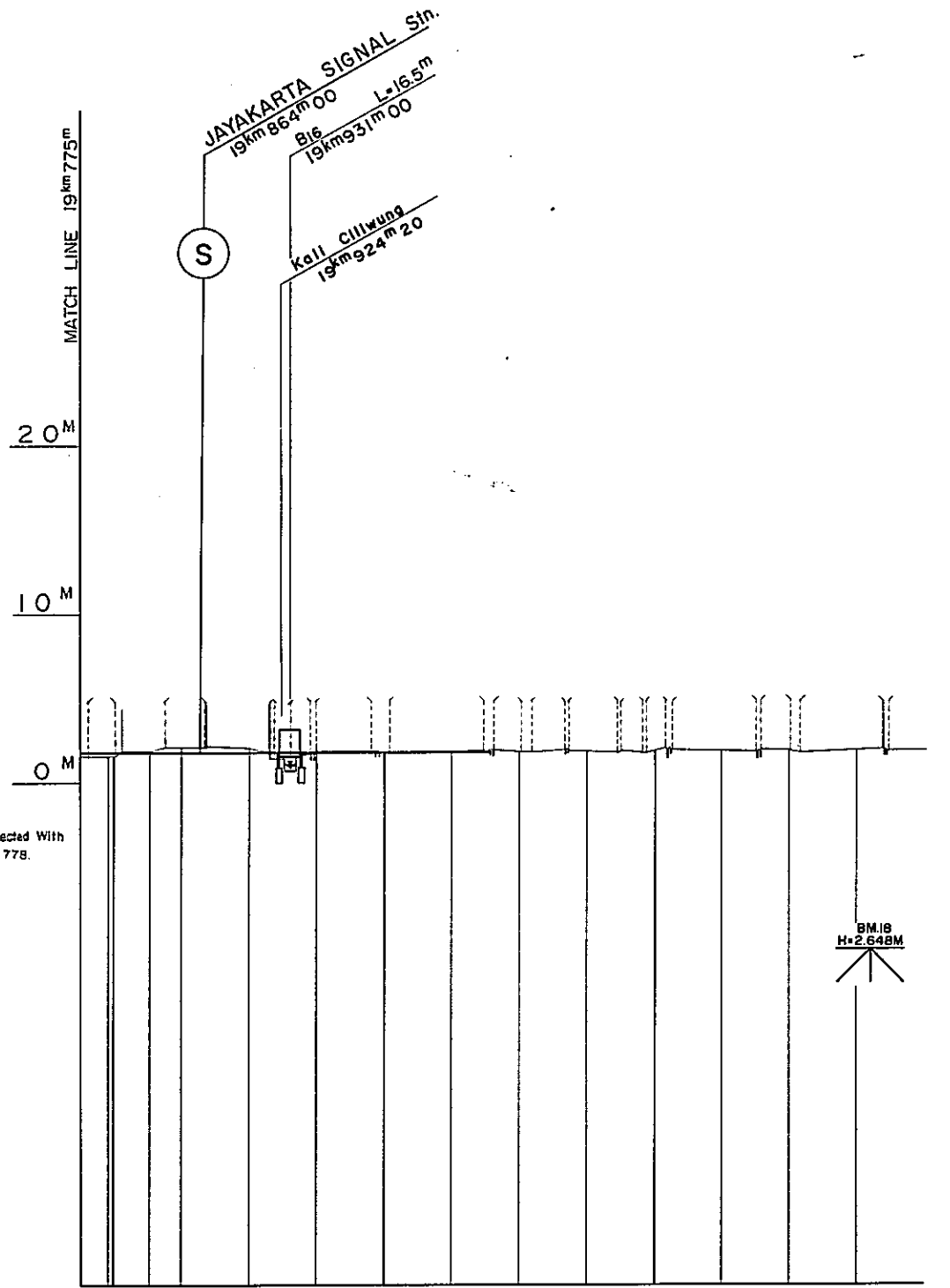
REVISIONS DATE DESIGNED DRAWN CHECKED REVISION SUBMITTED

PROFILE(SHEET 15 OF 16)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: V=1:200 H=1:2500 DRAWING NO: GG-063

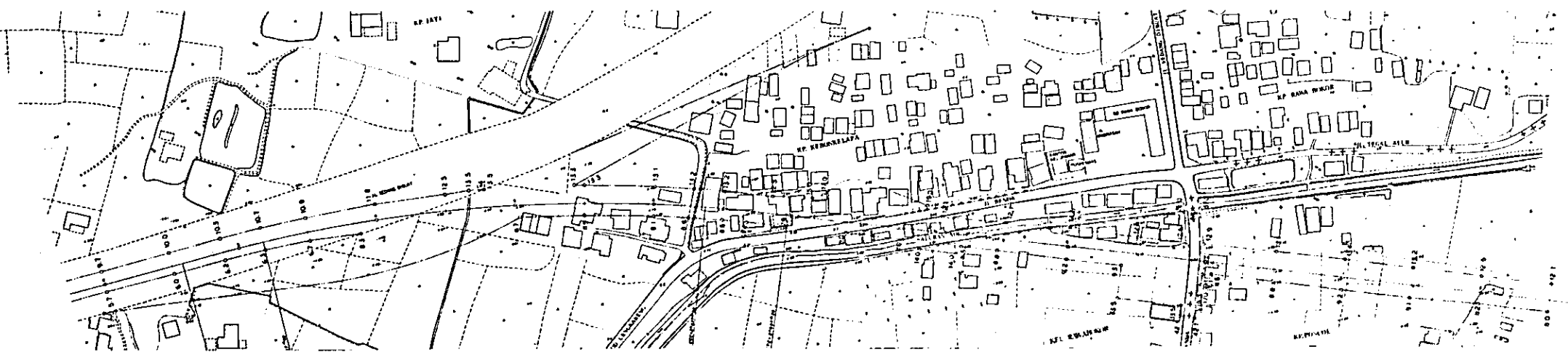
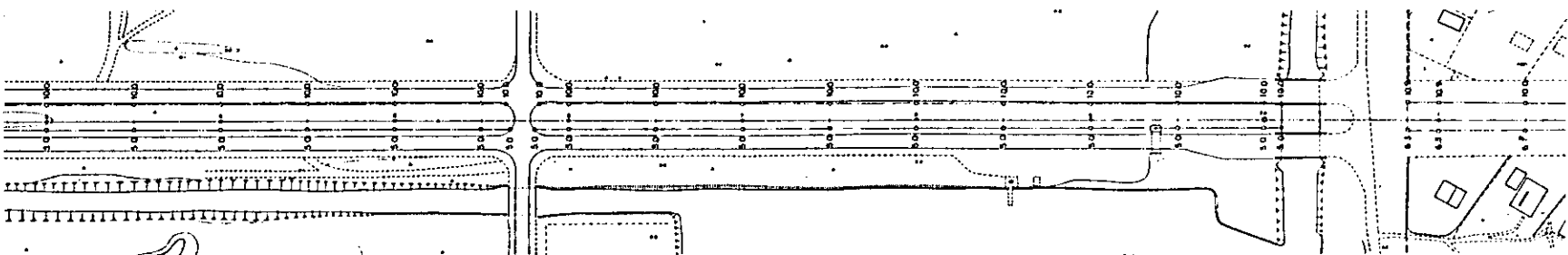
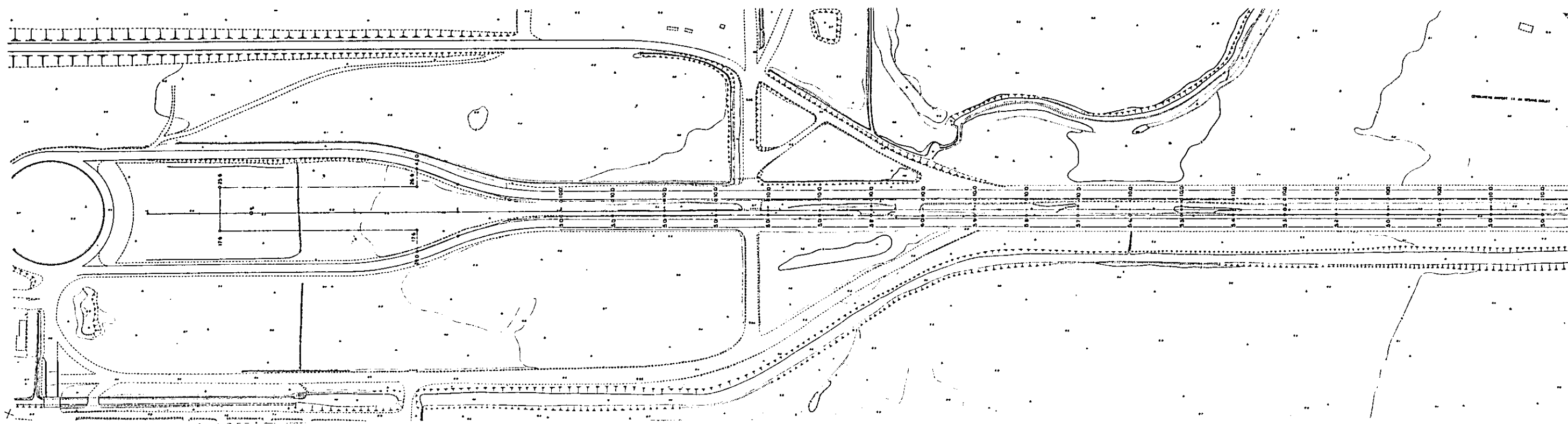
Datum of Levelling Is Peri Priok and Connected With
DKI Bench Mark PP 125. 130. 131 137. 759. 778.



GRADIENT	L														
CUTTING	:														
EMBANKMENT	0.35														
RAIL LEVEL	2.683 = = = = =														
FORMATION LEVEL	= = = = =														
GROUND LEVEL	1.69	1.97	2.20	2.16	1.76	2.01	1.91	1.98	1.95	"	1.95	1.96	1.97	2.01	2.00
KILOMETERAGE	8	9	20km		1	2	3								
CURVE	E.T.C.: 19km 774m 66										E.P.: 20km 350m 18				

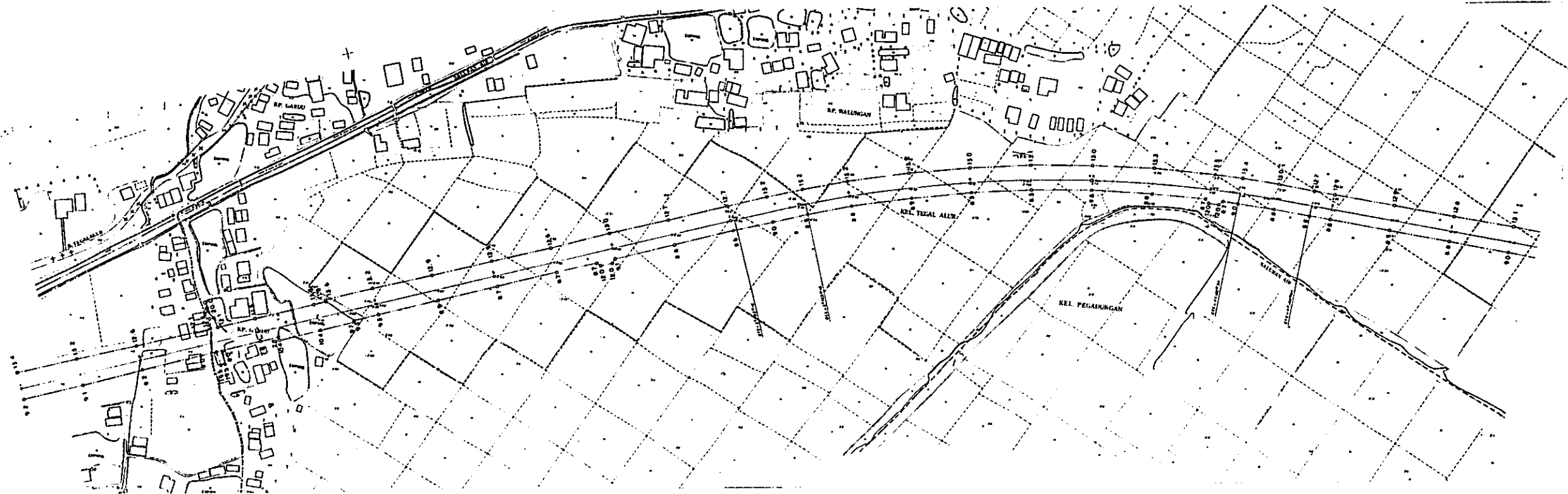
NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.

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	1. AUG. 84	T.N.	T.T	I.M	K.M	M.K
A	15 FEB. 84	T.N.	T.T	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
PROFILE (SHEET 16 OF 16)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	V=1:200		DRAWING NO.		CG-064	
	H=1:2500					

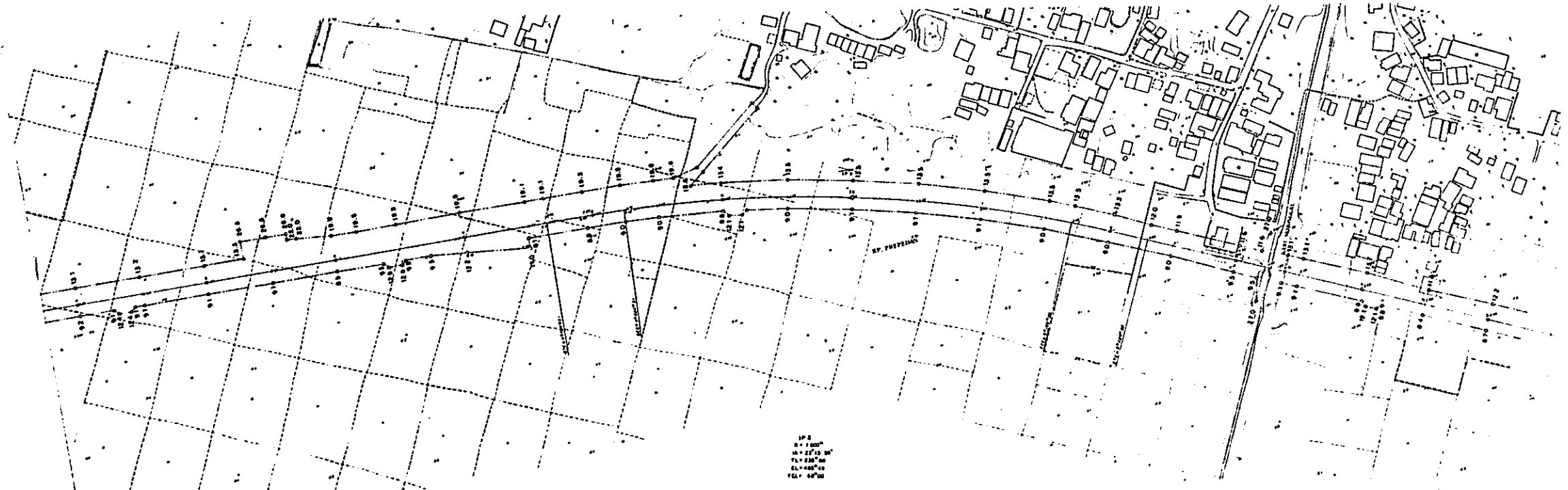


NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

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)						
B	1. AUG. 84	T.T	T.M	1. M	K.M	M.K
A	15 FEB. 84	T.T	T.M	1. M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
RIGHT-OF-WAY PLAN (SHEET 1 OF 11)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORKS						
SCALE	1:2000		DRAWING NO.	CG-66		



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS 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

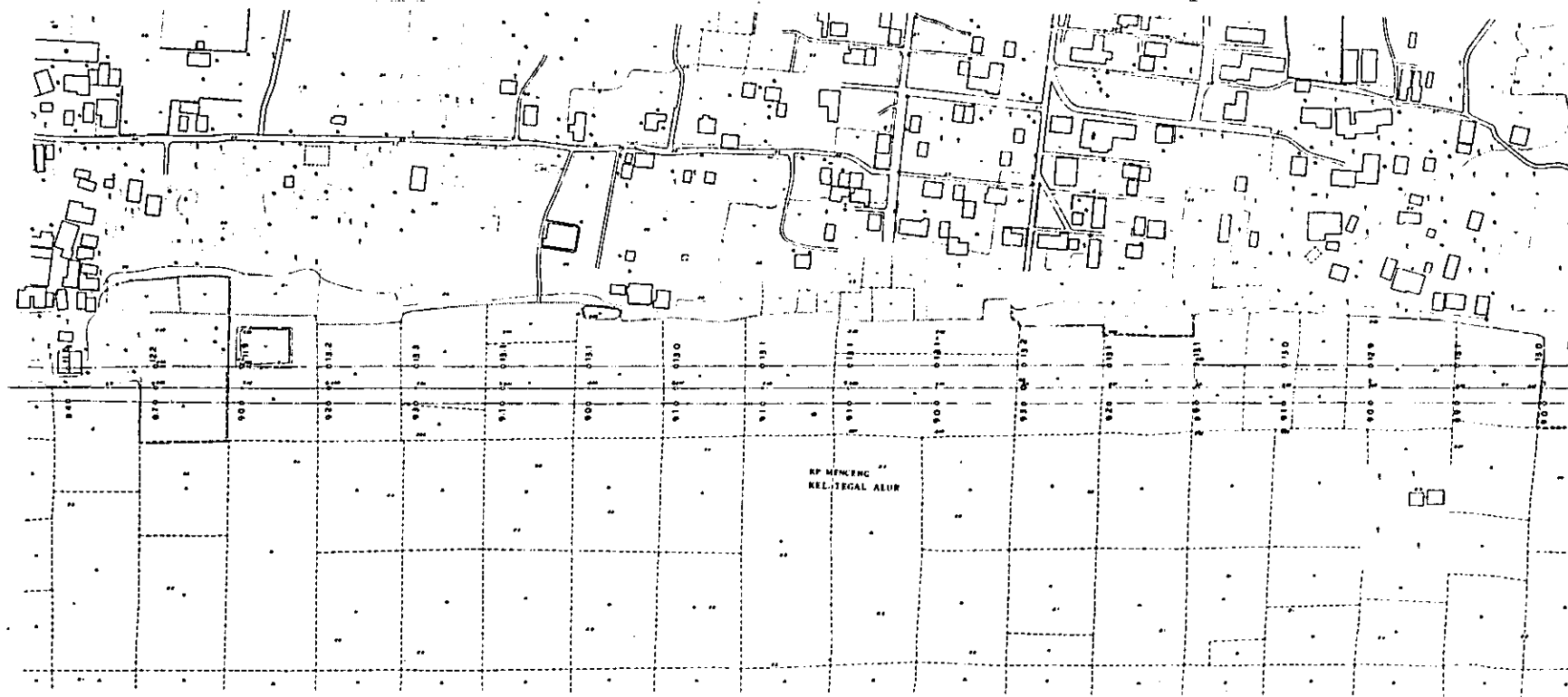
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 AUG 84	T.T.	T.N.	T.M.	K.W.	A.K.
A	15 FEB 84	T.T.	T.N.	K.W.	K.W.	A.K.
REVISIONS	DATE					

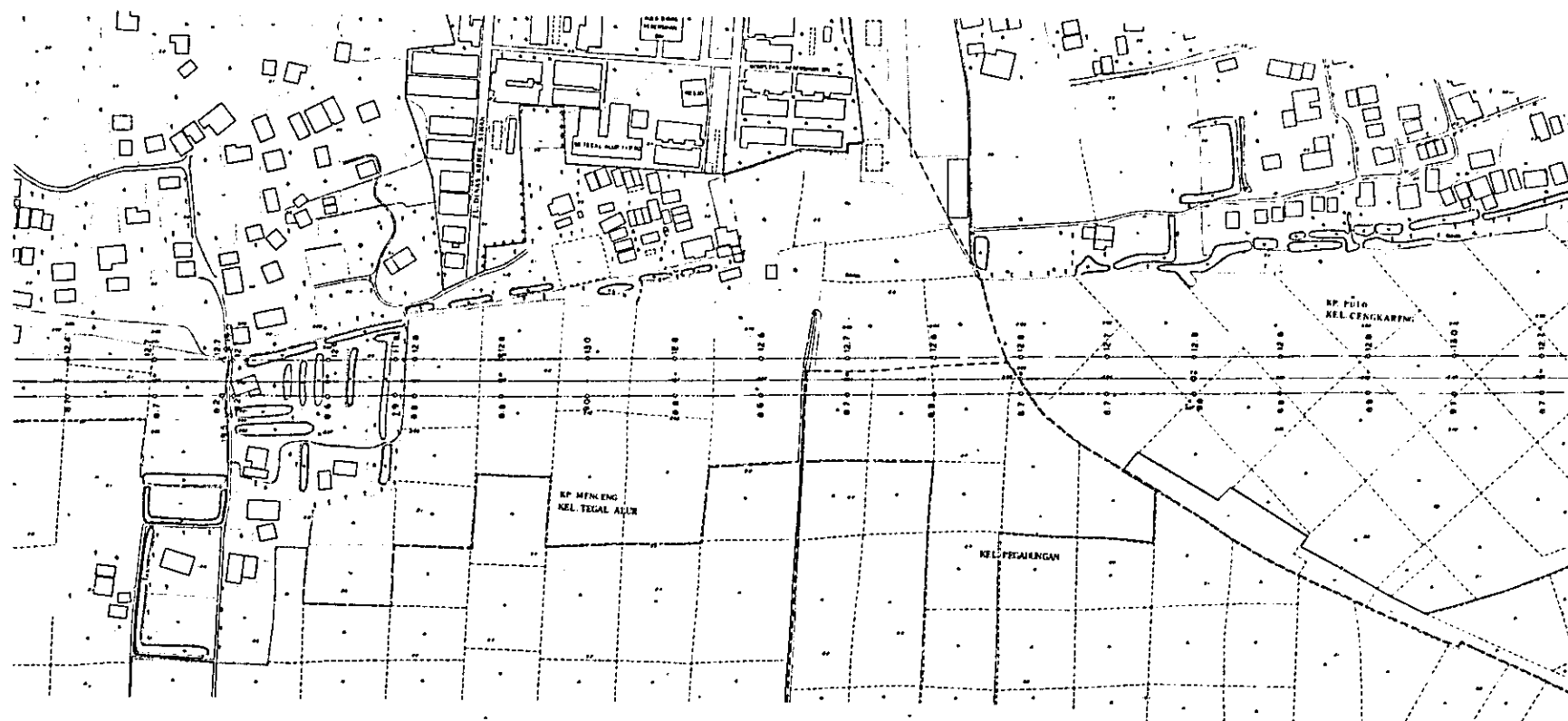
RIGHT-OF-WAY PLAN
(SHEET 2 OF 11)

PACKAGE: CIVIL AND ARCHITECTURAL WORKS

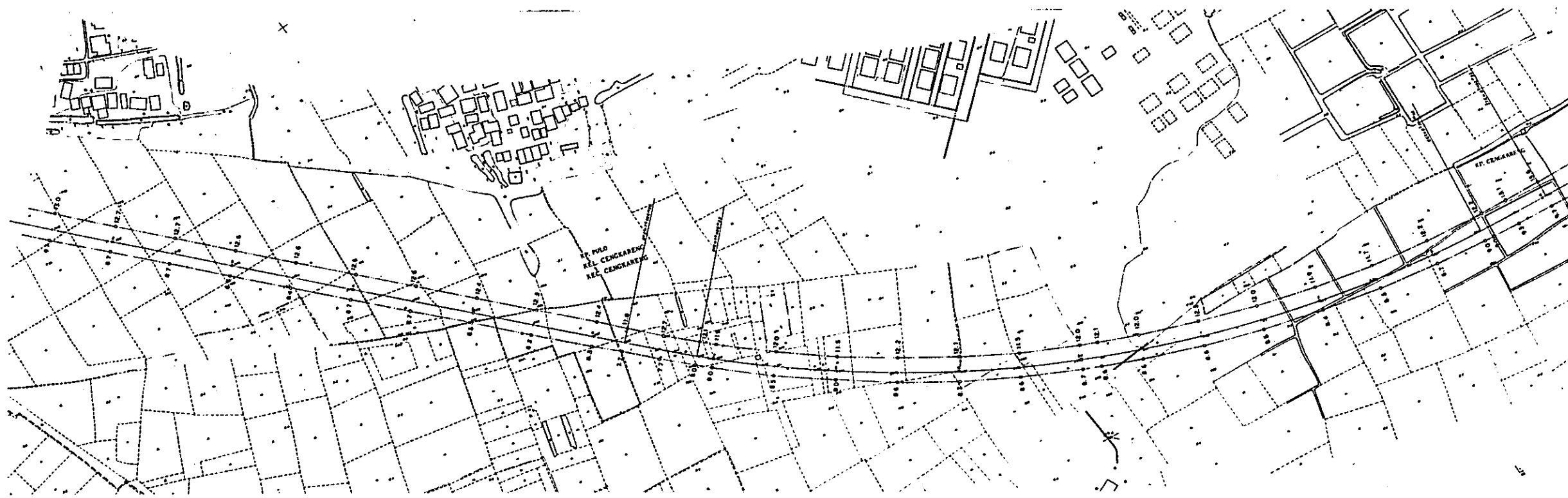
SCALE: 1:2000
DRAWING NO.: CG 567



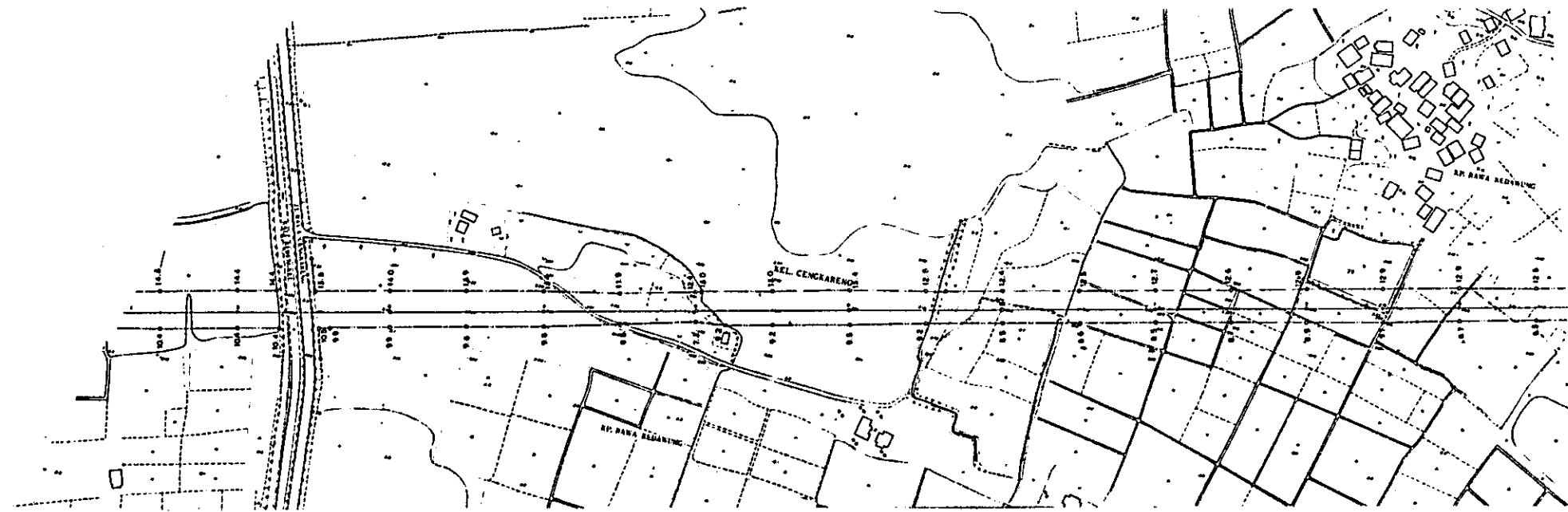
NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.



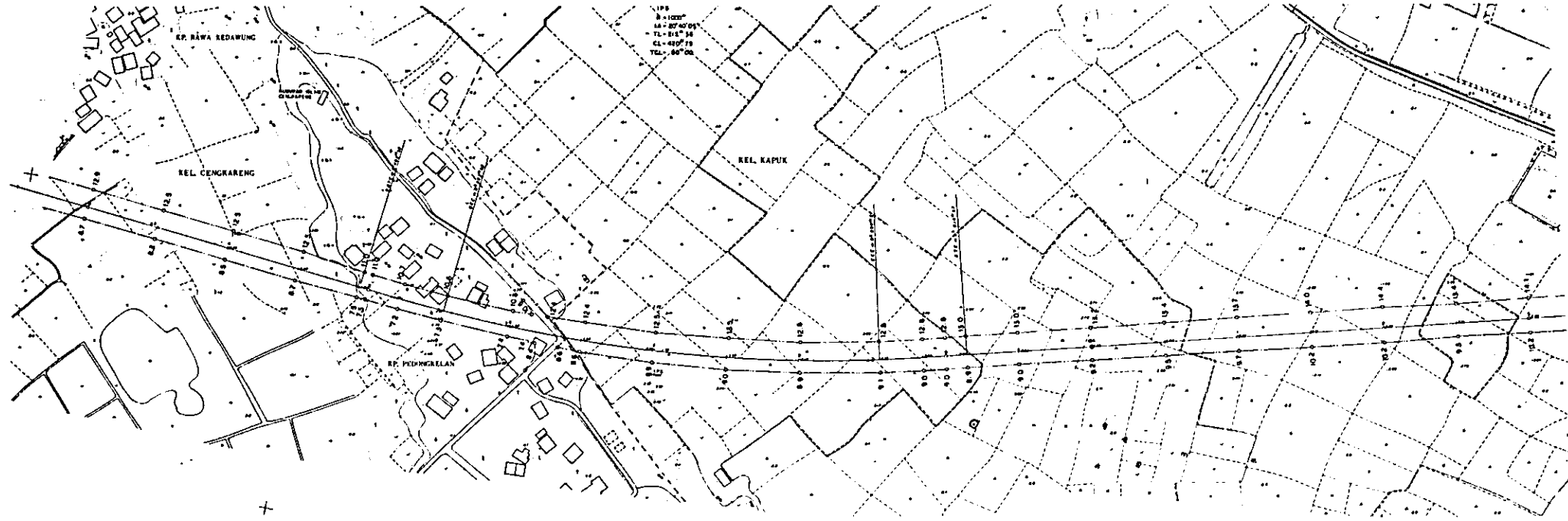
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1.12.01	T.T	T.N	I.H	K.M	M.K
A	15 FEB. 84	T.T	T.K	I.M	K.W	M.L
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	REVIEWED	SUBMITTED
RIGHT-OF-WAY PLAN (SHEET 3 OF 11)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORKS						
SCALE		DRAWING NO.				
1:2000		CG-68				



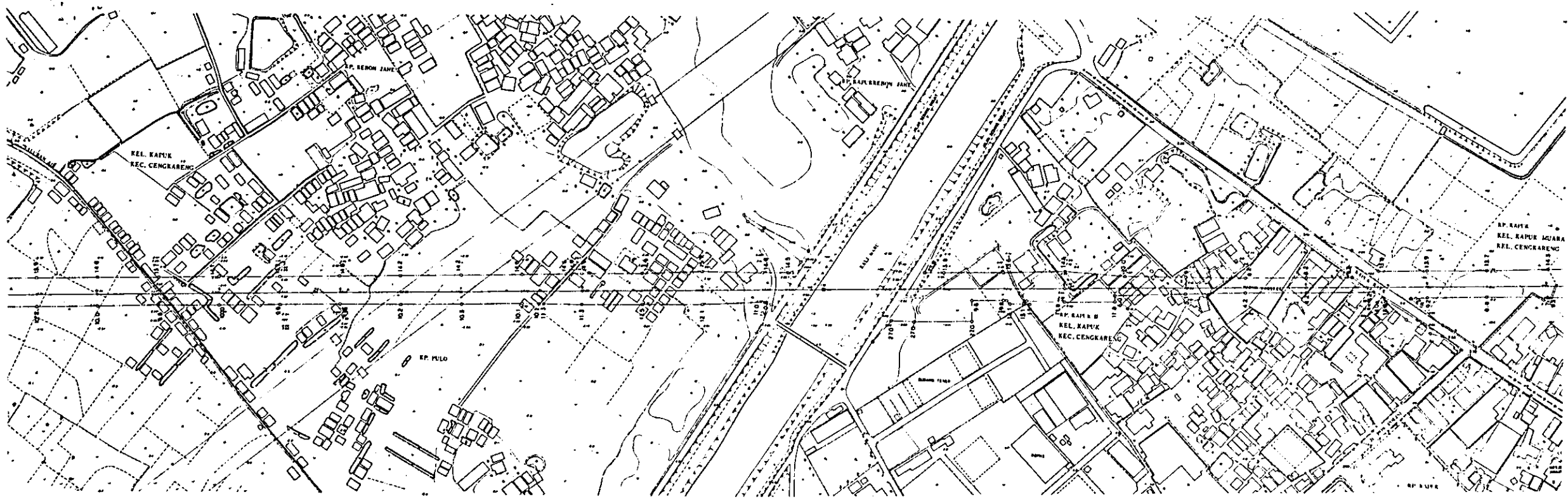
NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.



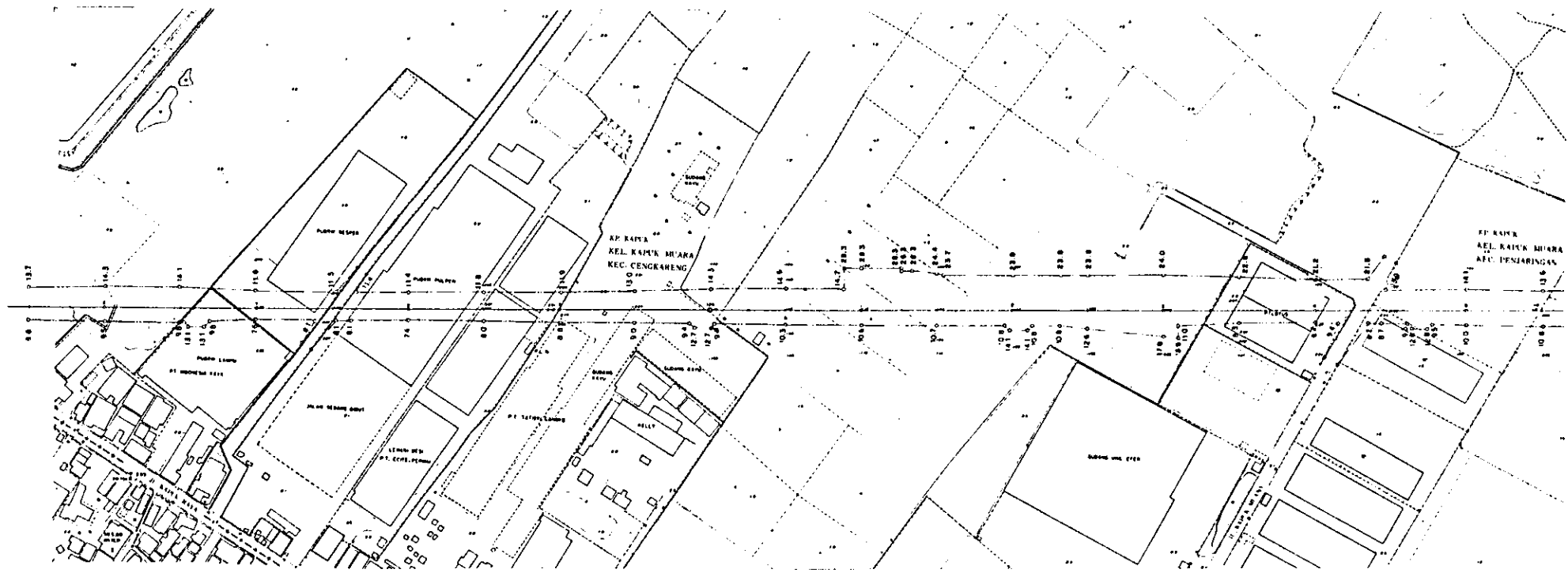
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG. 68	T.T	T.H.	I.M.	K.M.
A	15 FEB. 69	T.T	T.H.	I.M.	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	SUBMITTED
RIGHT-OF-WAY PLAN (SHEET 4 OF 11)					
PACKAGE: CIVIL AND ARCHITECTURAL WORKS					
SCALE	1:2000	DRAWING NO.	CG-69		



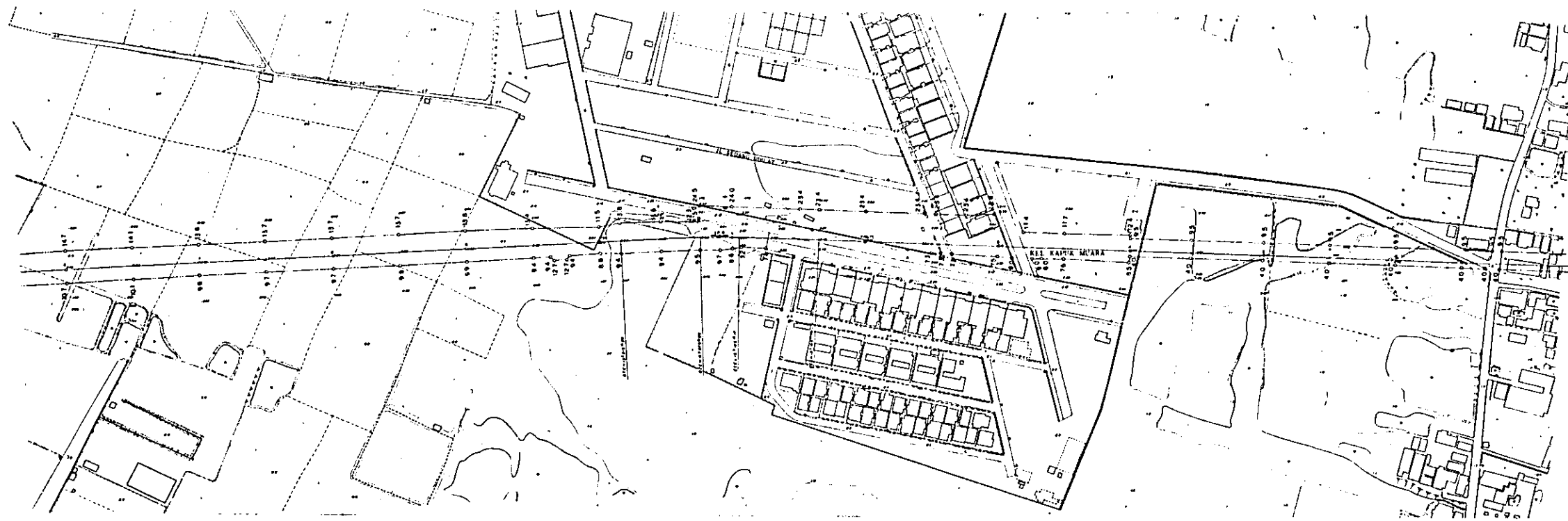
NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.



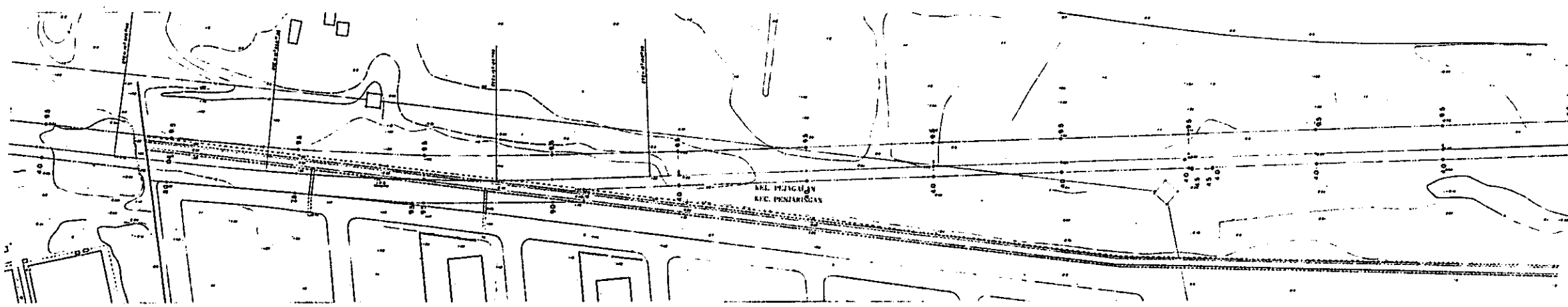
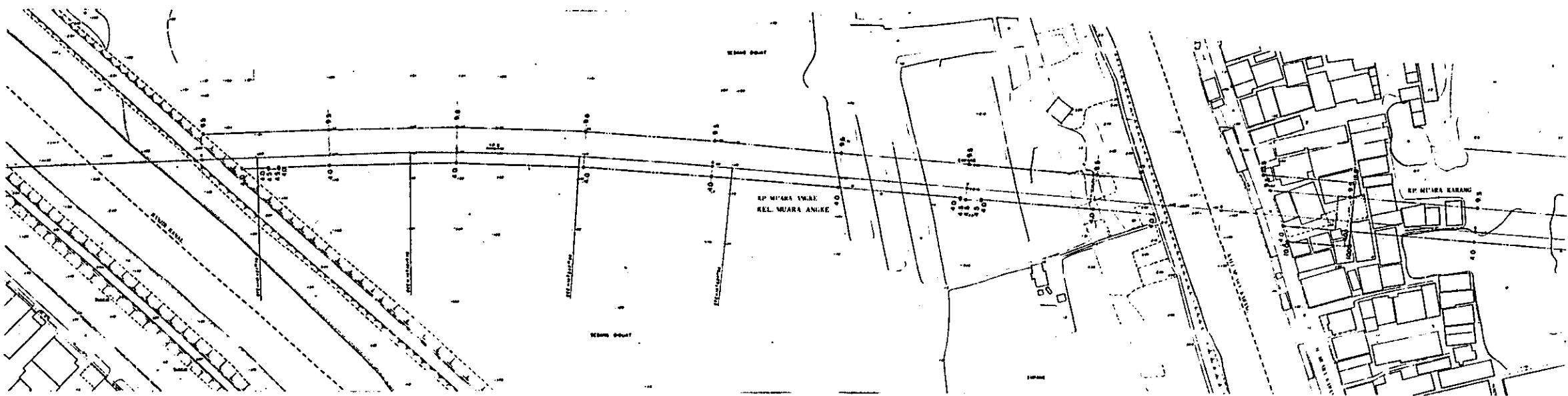
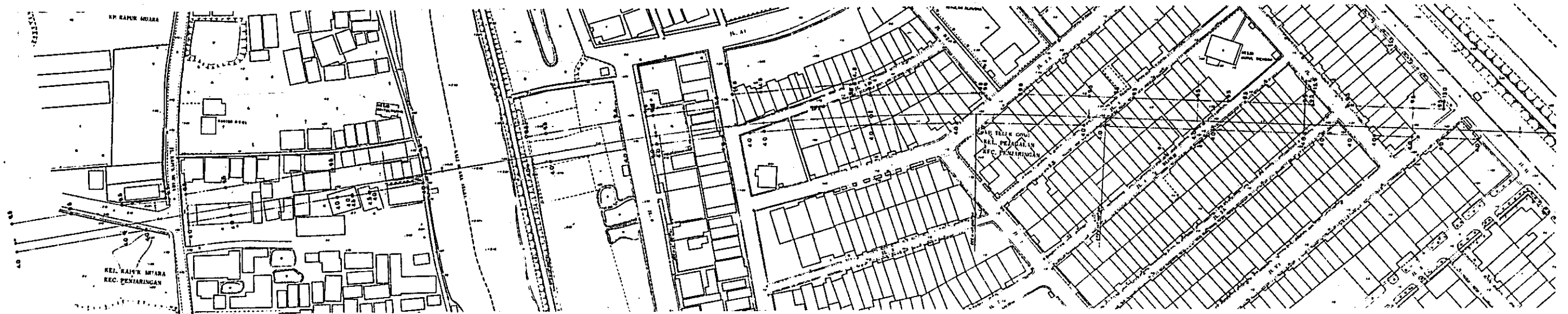
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.N	I.H	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
RIGHT-OF-WAY PLAN (SHEET 5 OF 11)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORKS						
SCALE	1:2000		DRAWING NO.	CG - 70		



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

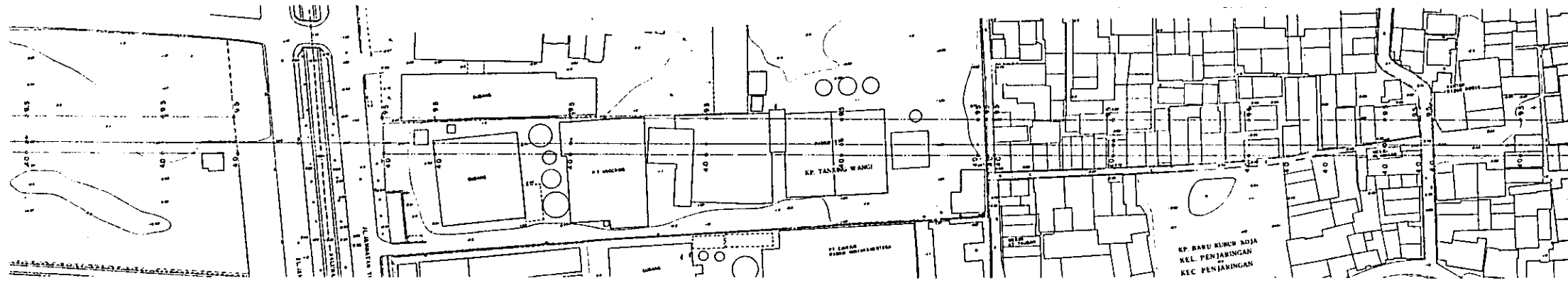


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKREHENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 89	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 89	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
RIGHT-OF-WAY PLAN (SHEET 6 OF 11)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORKS						
SCALE	1:2000		DRAWING NO.	CG-71		

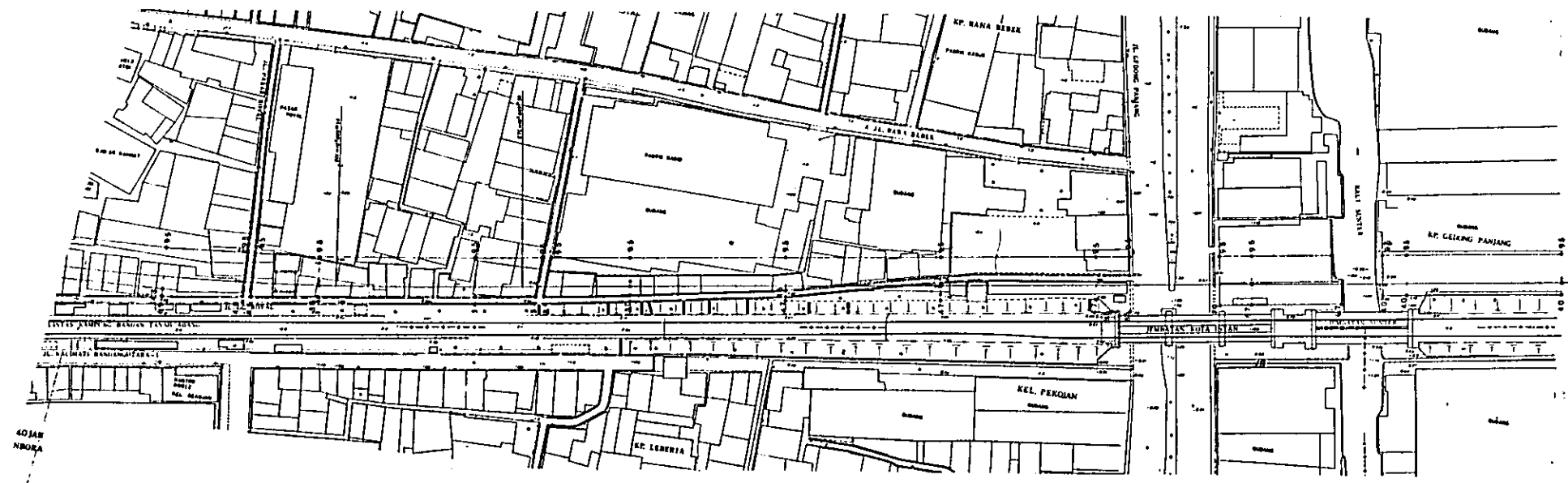
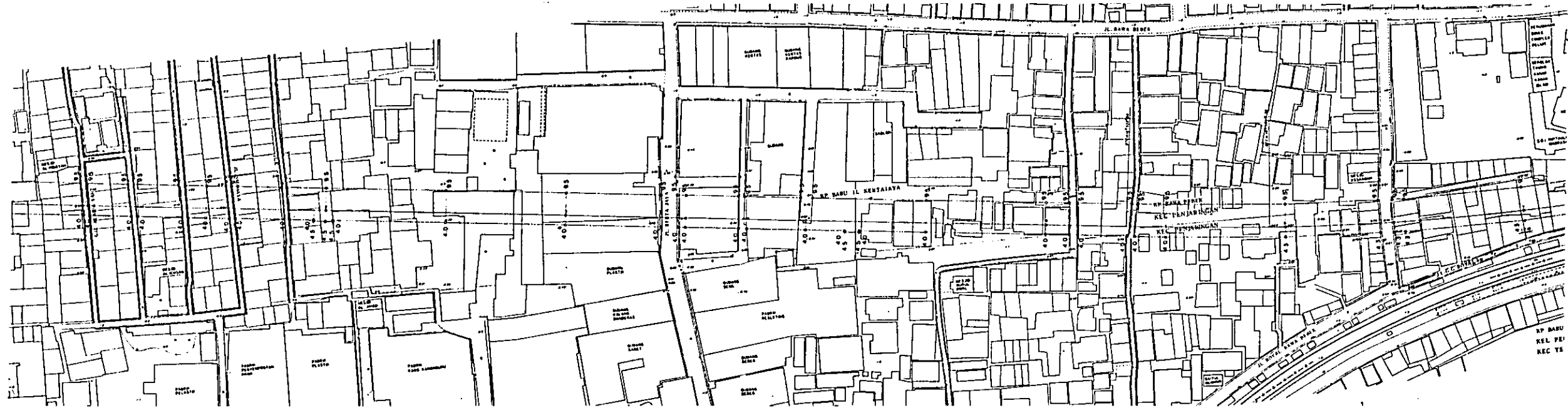


NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

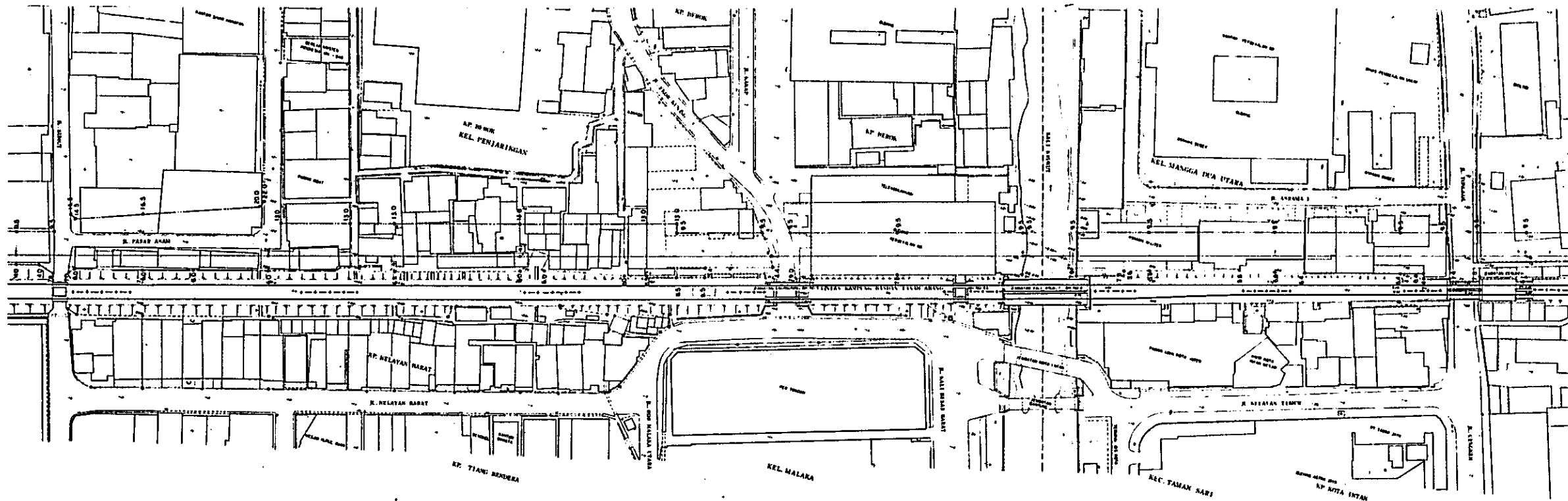
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1/2008	T.T	T.N	K.M	K.K
A	15/FEB/04	T.T	T.N	K.M	K.K
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	REVISIONS
RIGHT-OF-WAY PLAN (SHEET 7 OF 11)					
PACKAGE: CIVIL AND ARCHITECTURAL WORKS					
SCALE	1:1000	DRAWING NO.	CG-72		



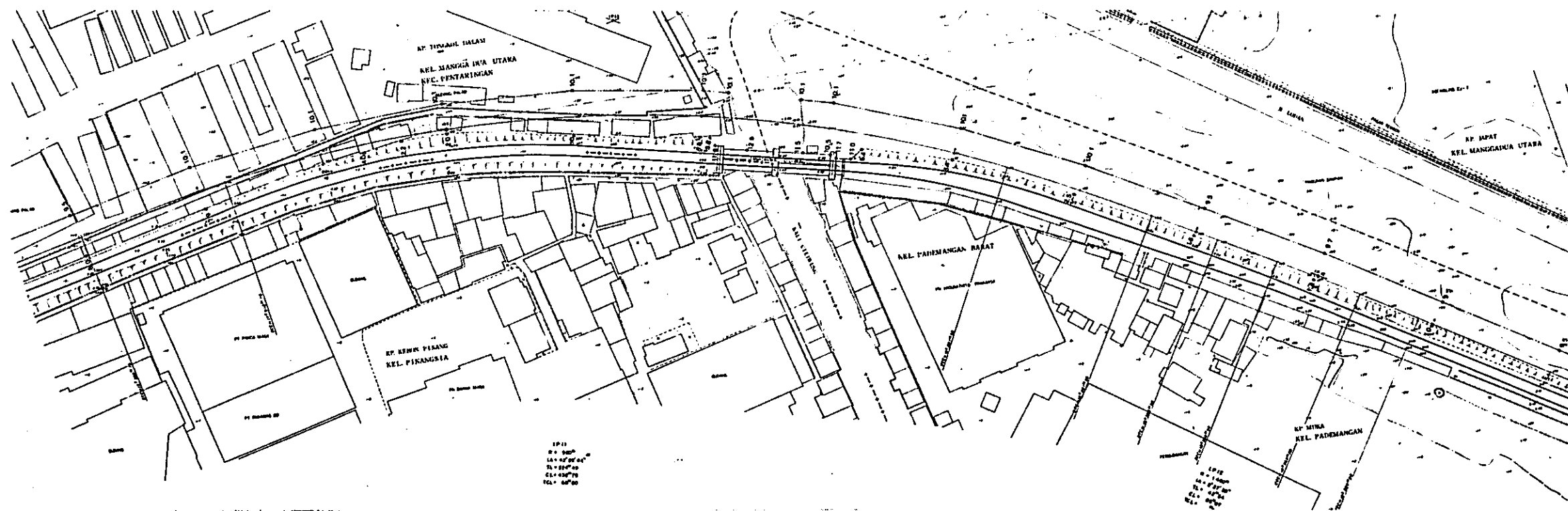
NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.



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	1 AUG. 84	T.T.	T.H.	I.M.	K.M. M.K.
A	15 FEB. 84	T.T.	T.H.	I.M.	K.M. M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
RIGHT-OF-WAY PLAN (SHEET 8 OF 11)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORKS					
SCALE: 1:1000		DRAWING NO: CG-73			



NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.



SP 11
R. 1 5000
L. 1 10000
S. 1 10000
K. 1 10000

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

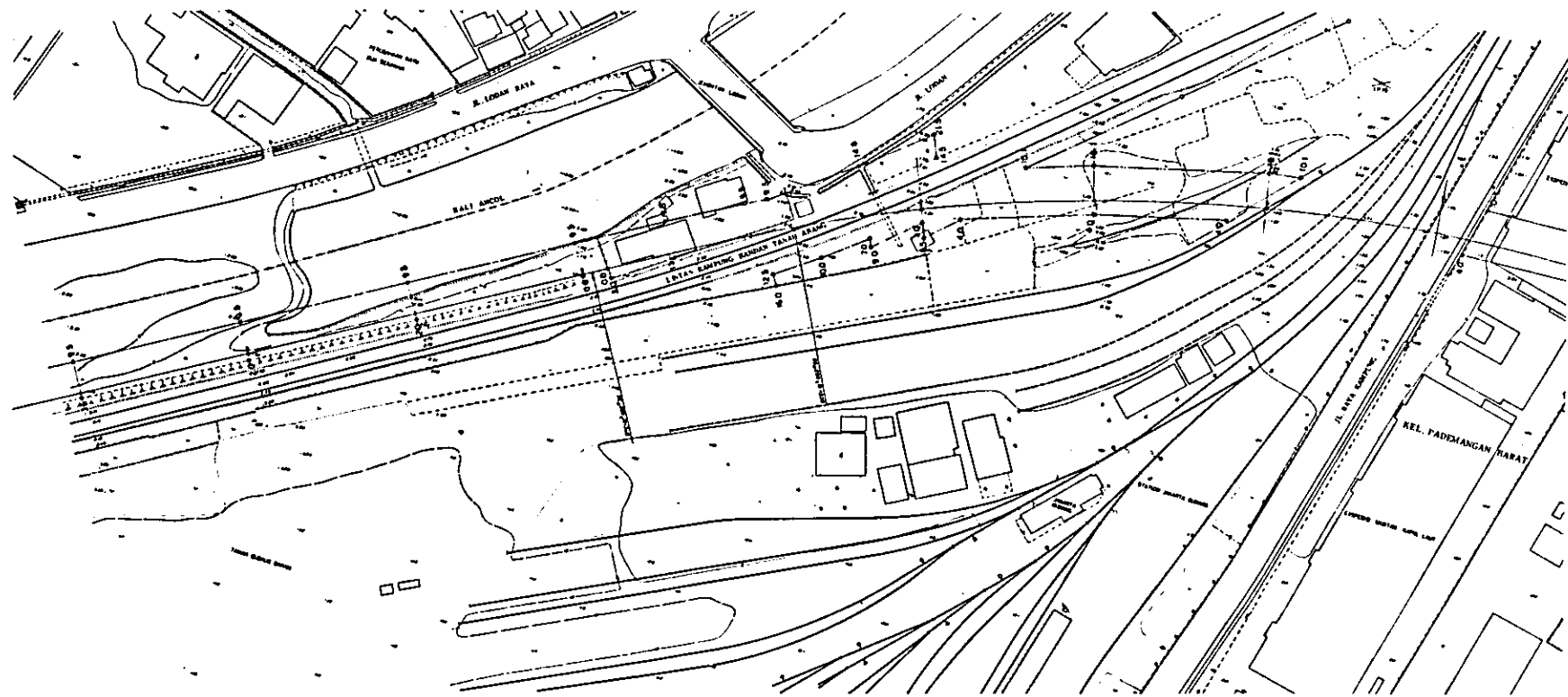
NEW RAILWAY LINE FOR CENKARENG AIRPORT,
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

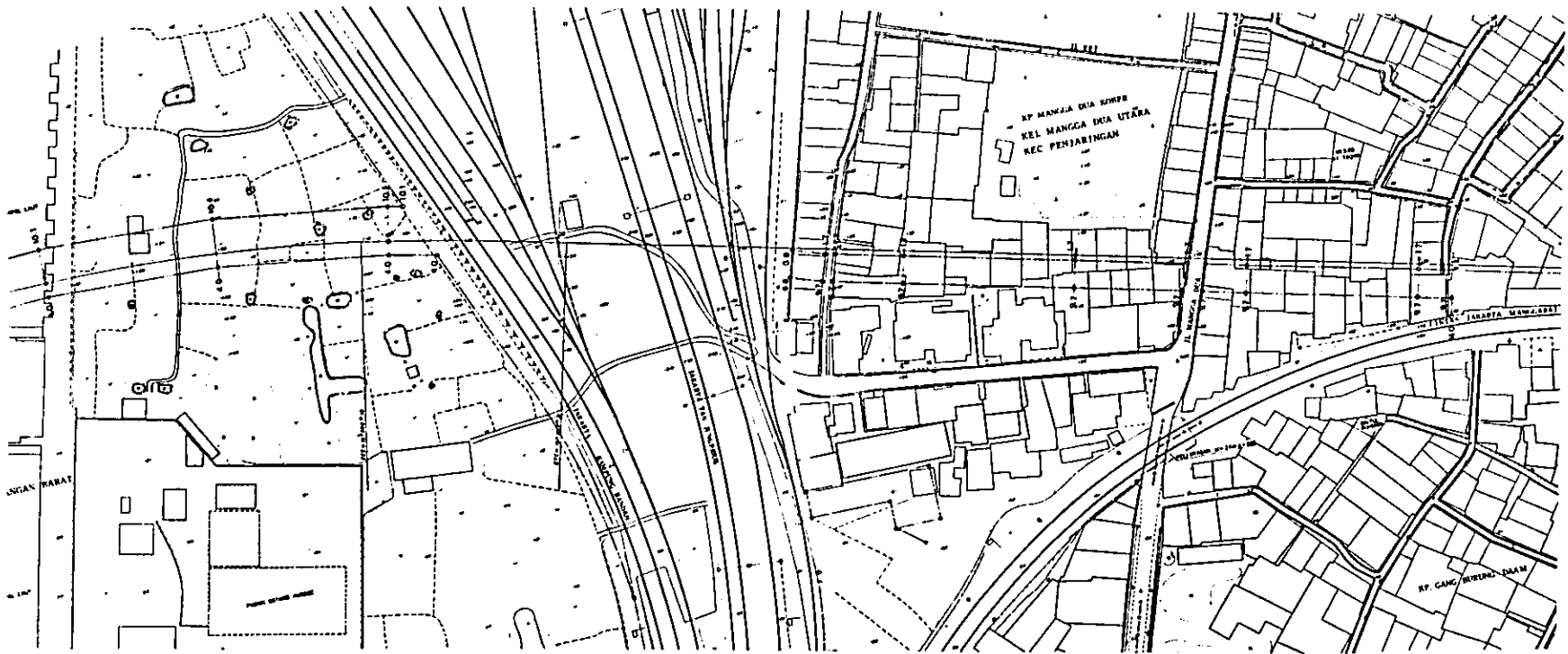
B	1. AUG. 84	T.T.	T.N.	I.M.	K.M.	A.K.
A	15 FEB. 84	T.T.	T.N.	I.M.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED

RIGHT-OF-WAY PLAN
(SHEET 9 OF 11)

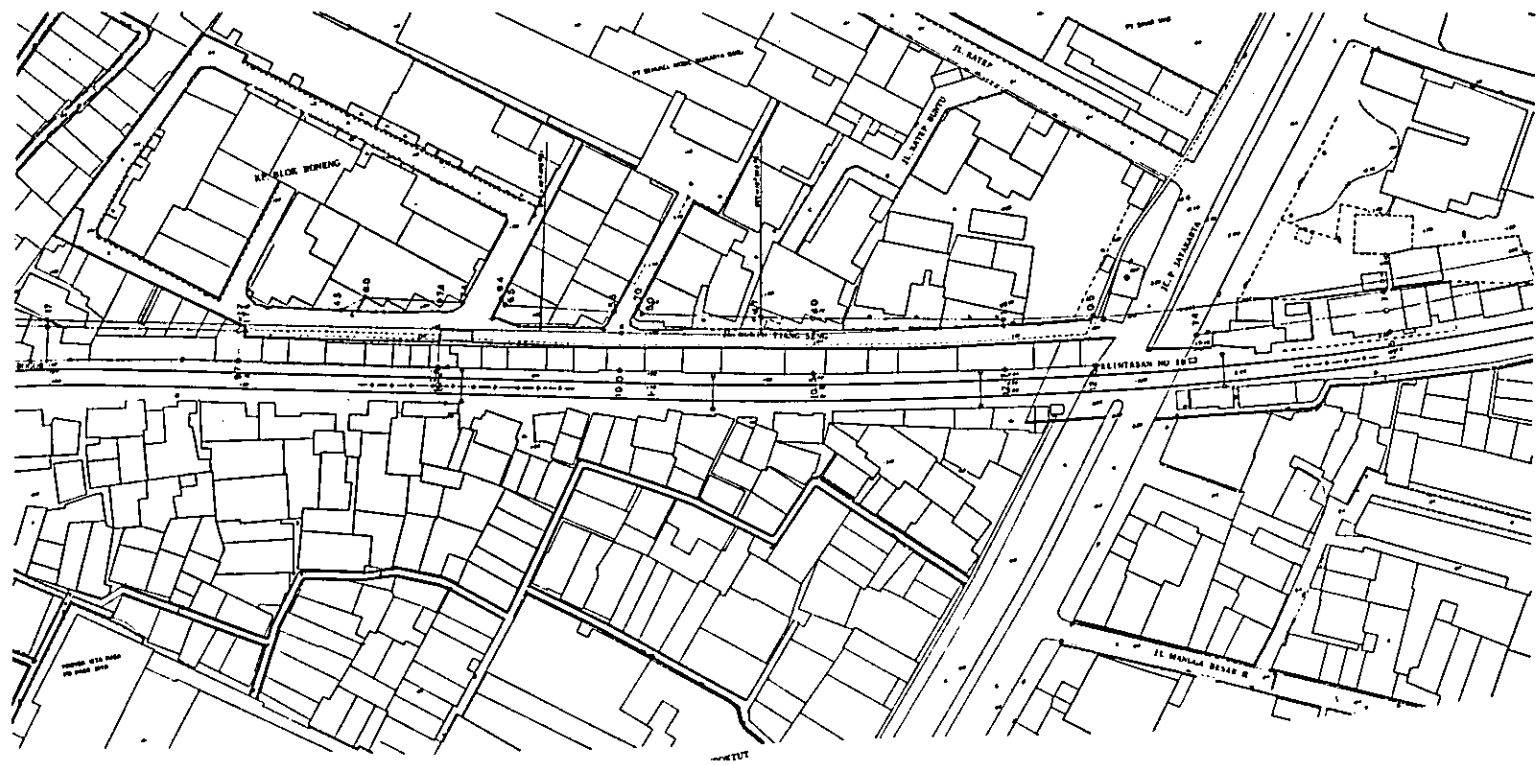
PACKAGE: I. CIVIL AND ARCHITECTURAL WORKS
SCALE: 1:1000
DRAWING NO.: CG-74



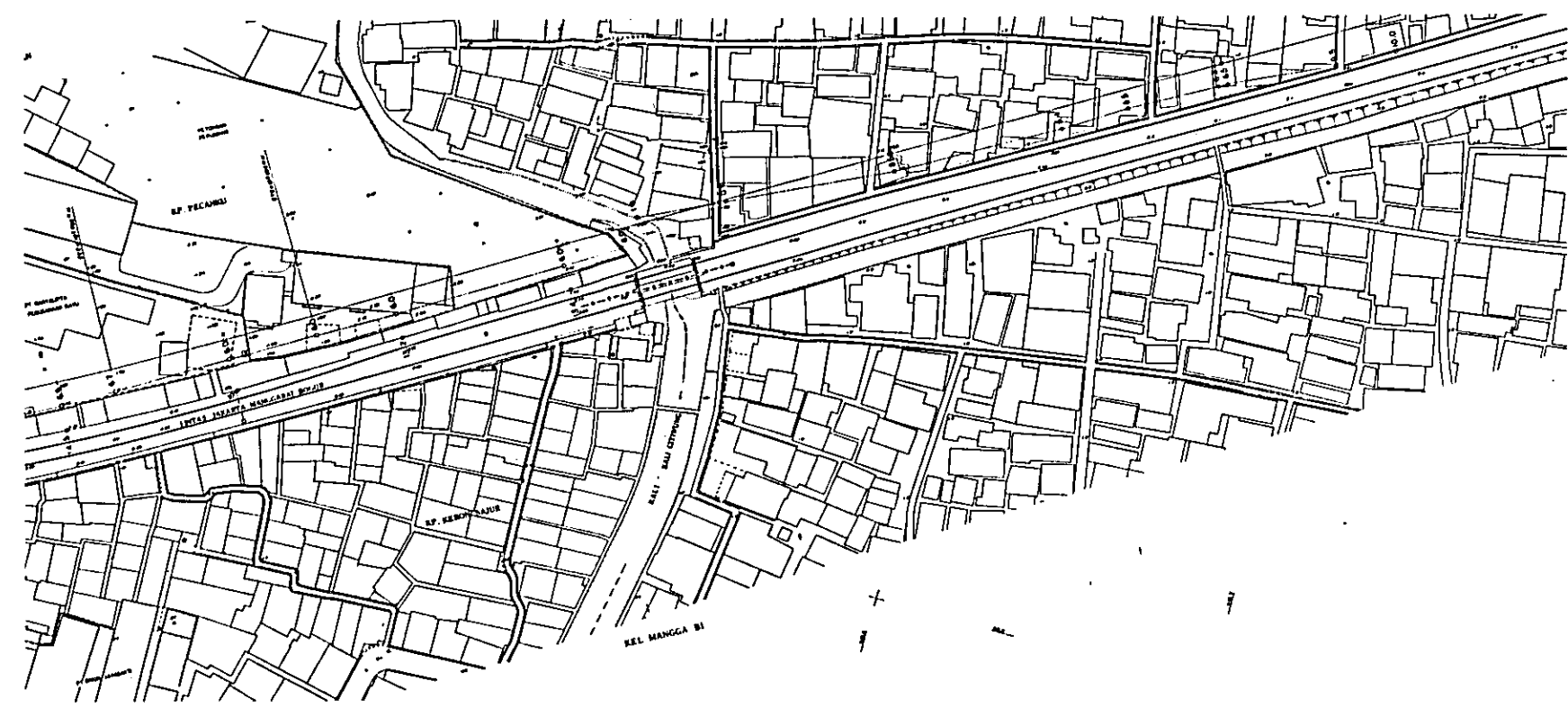
NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.



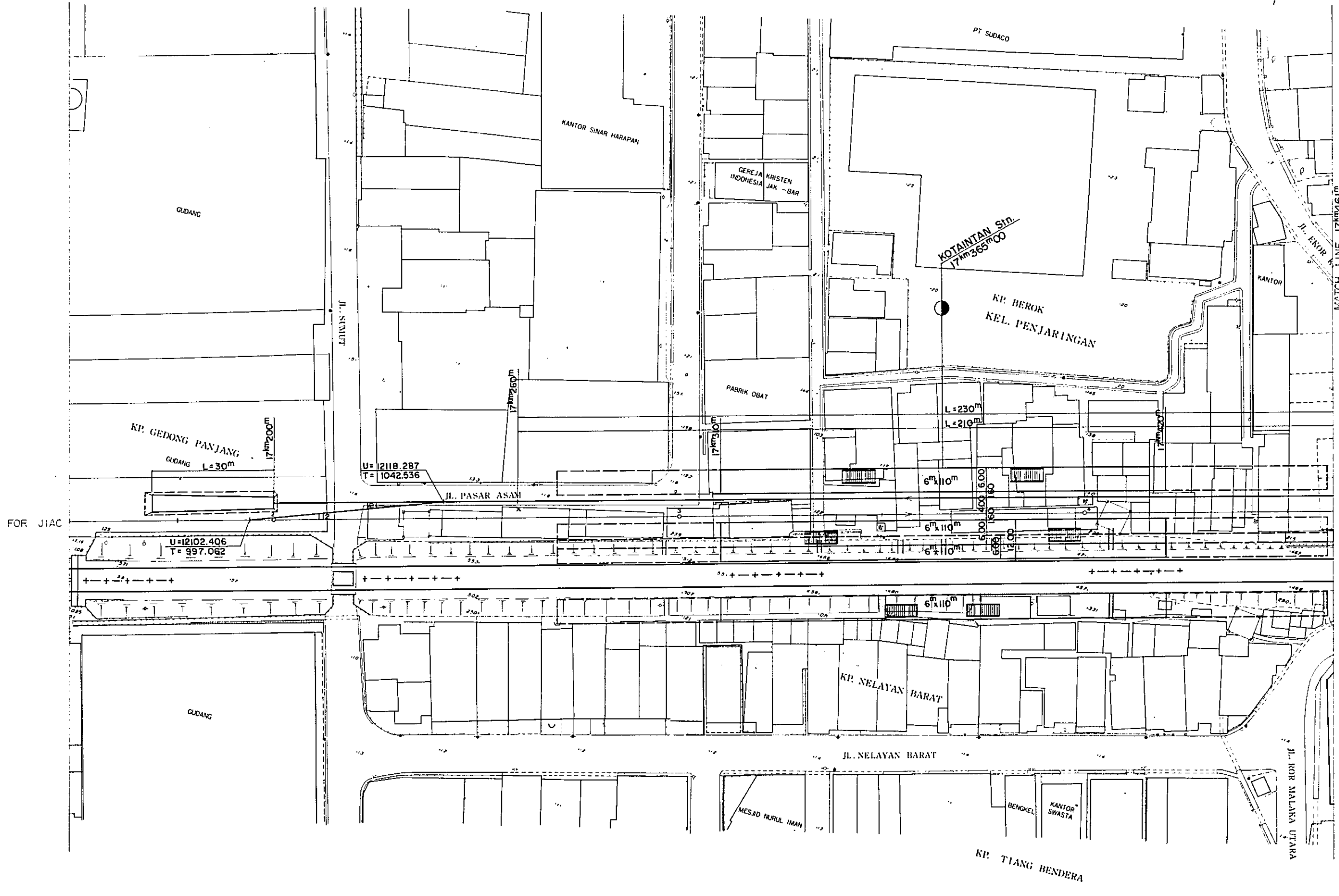
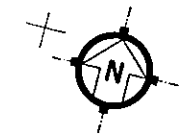
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.N	I.M	K.P	A.K
A	15 FEB. 84	T.T	T.N	I.M	K.P	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
RIGHT-OF-WAY PLAN (SHEET 10 OF 11)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORKS						
SCALE	1:1000	DRAWING NO.		CG-75		



NOTE:
ALL DIMENSIONS ARE SHOWN IN
METERS UNLESS OTHERWISE INDICATED.



<p>REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS</p>						
<p>NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT</p>						
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)</p>						
S	1 AUG. '64	T.T	T.A	I.M	K.M	M.R
A	15 FEB. '64	T.T	T.N	I.M	K.M	M.R
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
<p>RIGHT-OF-WAY PLAN (SHEET II OF II)</p>						
<p>PACKAGE: I CIVIL AND ARCHITECTURAL WORKS</p>						
SCALE	1:1000		DRAWING NO.	CG-76		

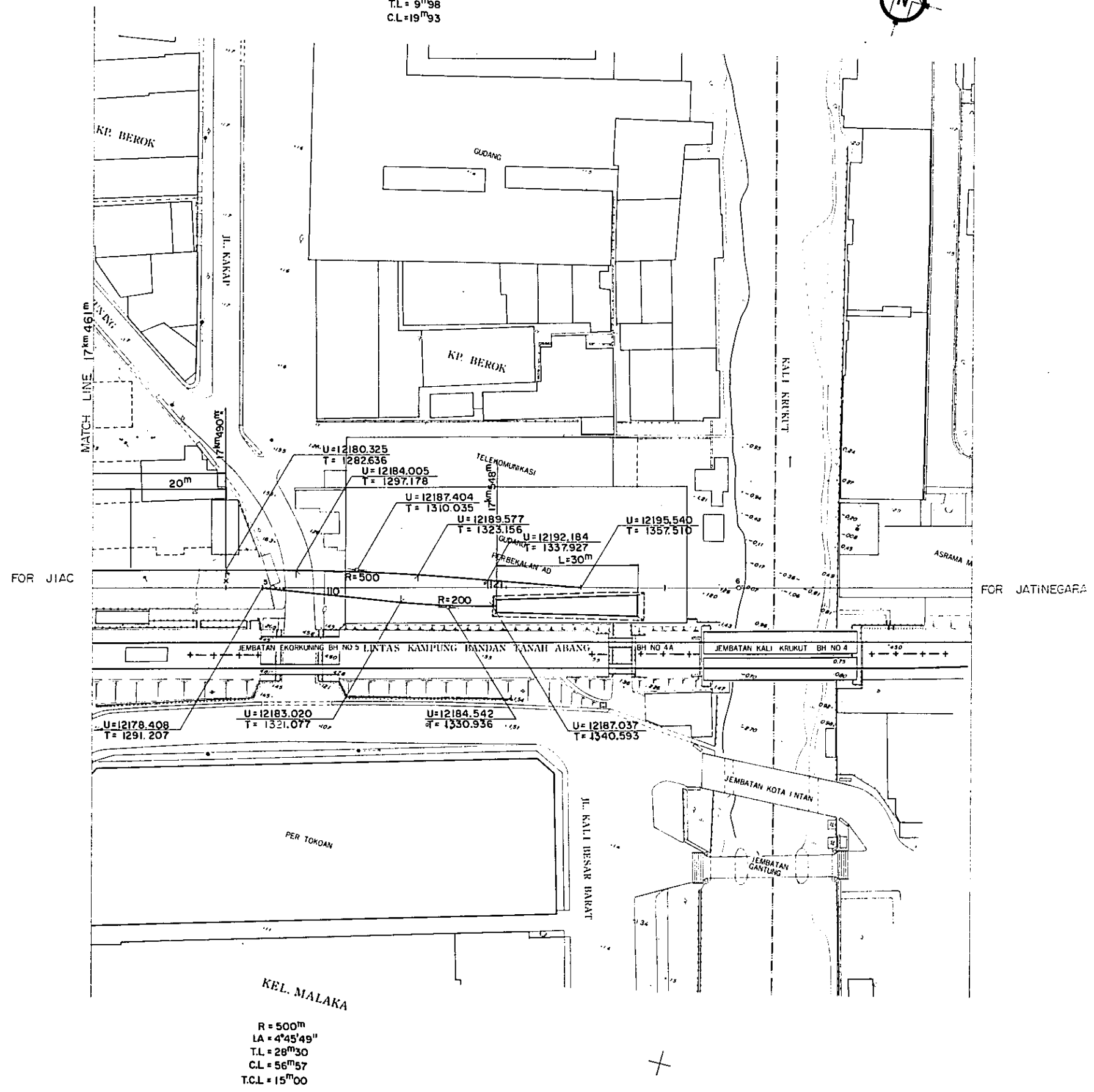


NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

FOR JATINEGARA

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.N.	T.T.	I.M.	K.M.	A.K.
A	15 FEB '84	T.N.	T.T.	I.M.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN KOTAJANTAN STATION (SHEET 1 OF 2)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-77				

R = 200^m
 LA = 5°42'38"
 T.L = 9^m98
 C.L = 19^m93



NOTE:
 ALL DIMENSIONS ARE SHOWN IN METERS 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	1. AUG. 04	T.N.	T.T.	I.M.	K.M.	A.K.
A	15 FEB. 04	T.N.	T.T.	I.M.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN KOTAINTAN STATION (SHEET 2 OF 2)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-78				

R = 300^m
 IA = 7°00'22"
 TL = 23^m37
 CL = 46^m68
 TCL = 10^m00



NOTE:
 ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

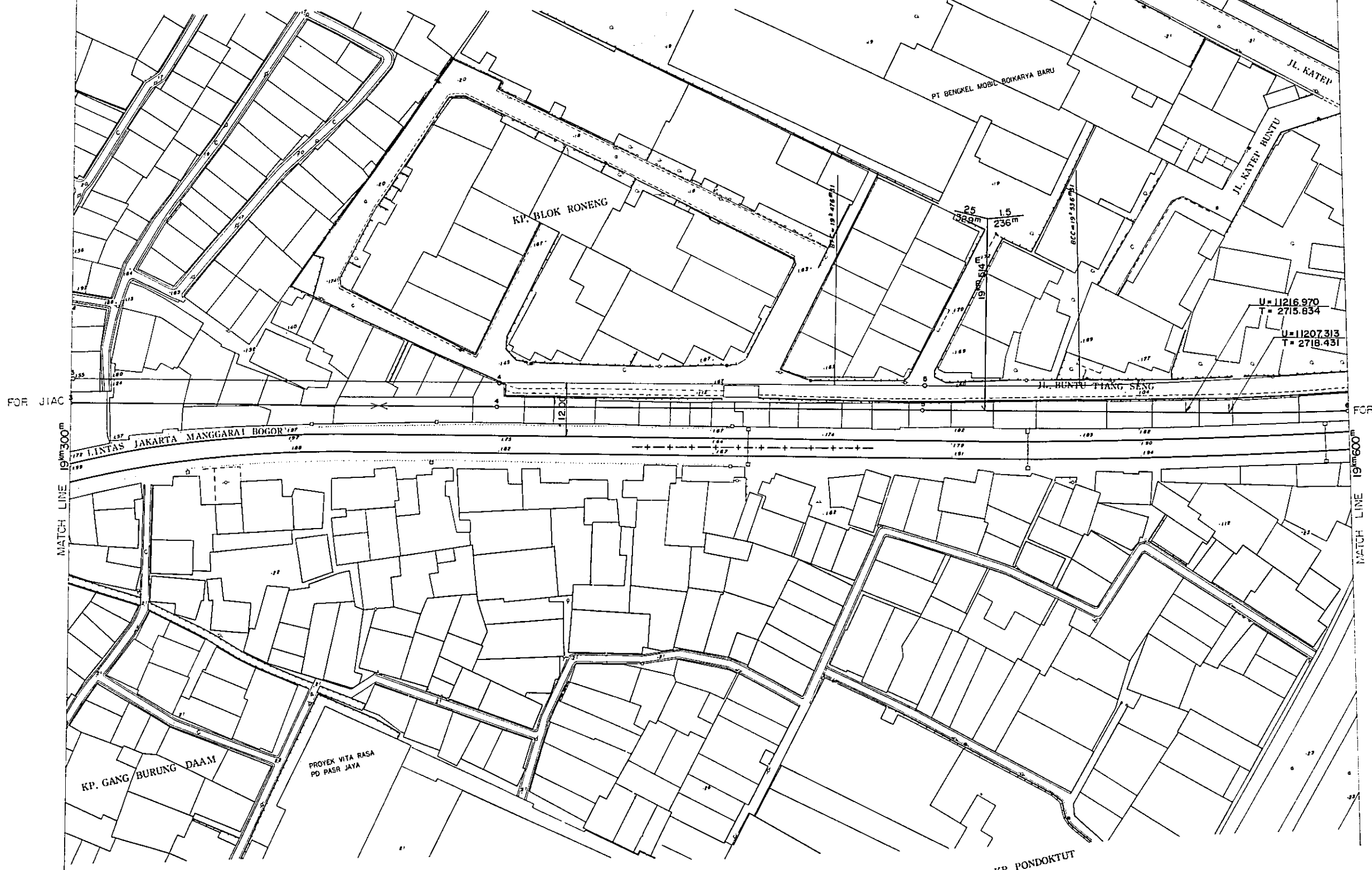
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG 79	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB 84	T.N.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN JAKARTA SIGNAL STATION (SHEET 1 OF 4)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE		DRAWING NO.				
1:500		CG-79				

R = 300^m
 IA = 7°00'22"
 TL = 23^m37
 CL = 46^m68
 TCL = 10^m00

JAKARTA BARAT

KEL. MANGGA DUA SELATAN
KEC. SAWAH BESAR

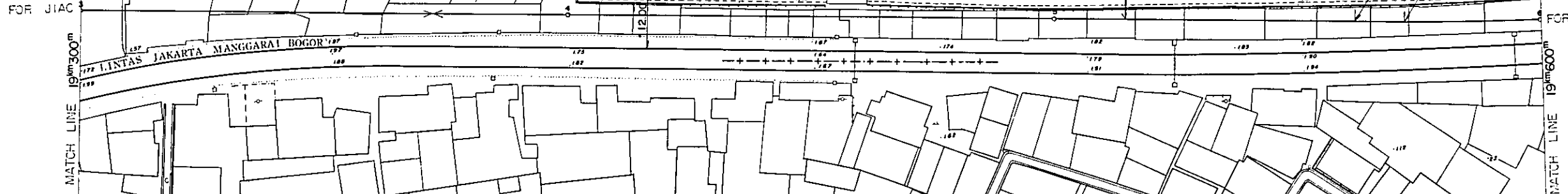
KP. MANGGA DUA SELATAN



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

U=11216.970
T=2715.834

U=11207.313
T=2718.431



FOR JIAC

MATCH LINE 19m300m

MATCH LINE 19m600m

FOR JATINEGARA

KEL. PINANGSIA
KEC. TATHANSARI

JAKARTA PT

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)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 88	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. 84	T.N.	T.T.	I.M.	K.M.	M.K.

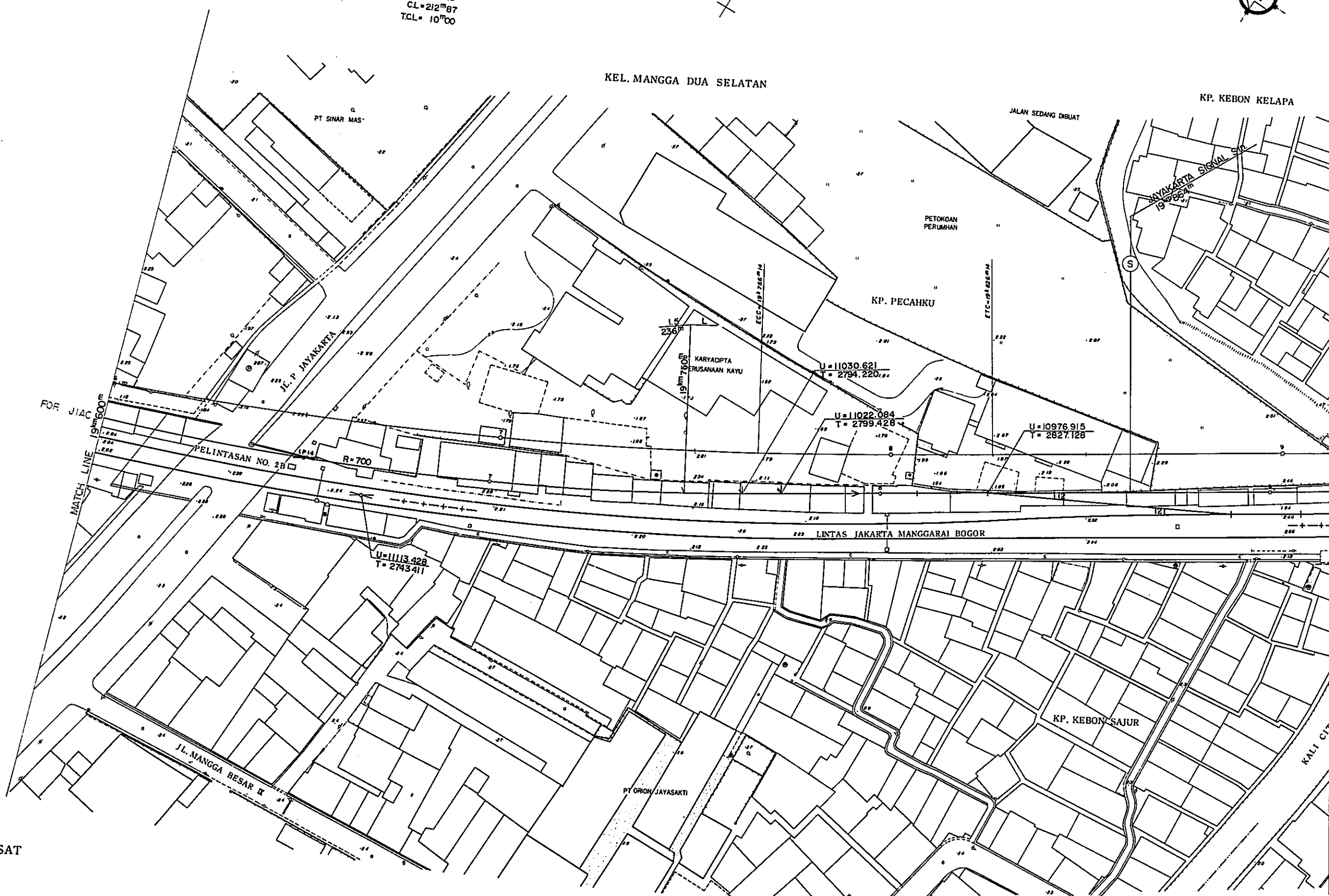
SETTING OUT PLAN OF
TRACKS IN JAYAKARTA
SIGNAL STATION (SHEET 2 OF 4)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:500 DRAWING NO: CG - 80

IP 14
 R=1000m
 IA=16°36'18"
 TL=173m96
 CL=349m84
 TCL= 60m00

R=700m
 IA=16°36'18"
 TL=107m15
 CL=212m87
 TCL= 10m00



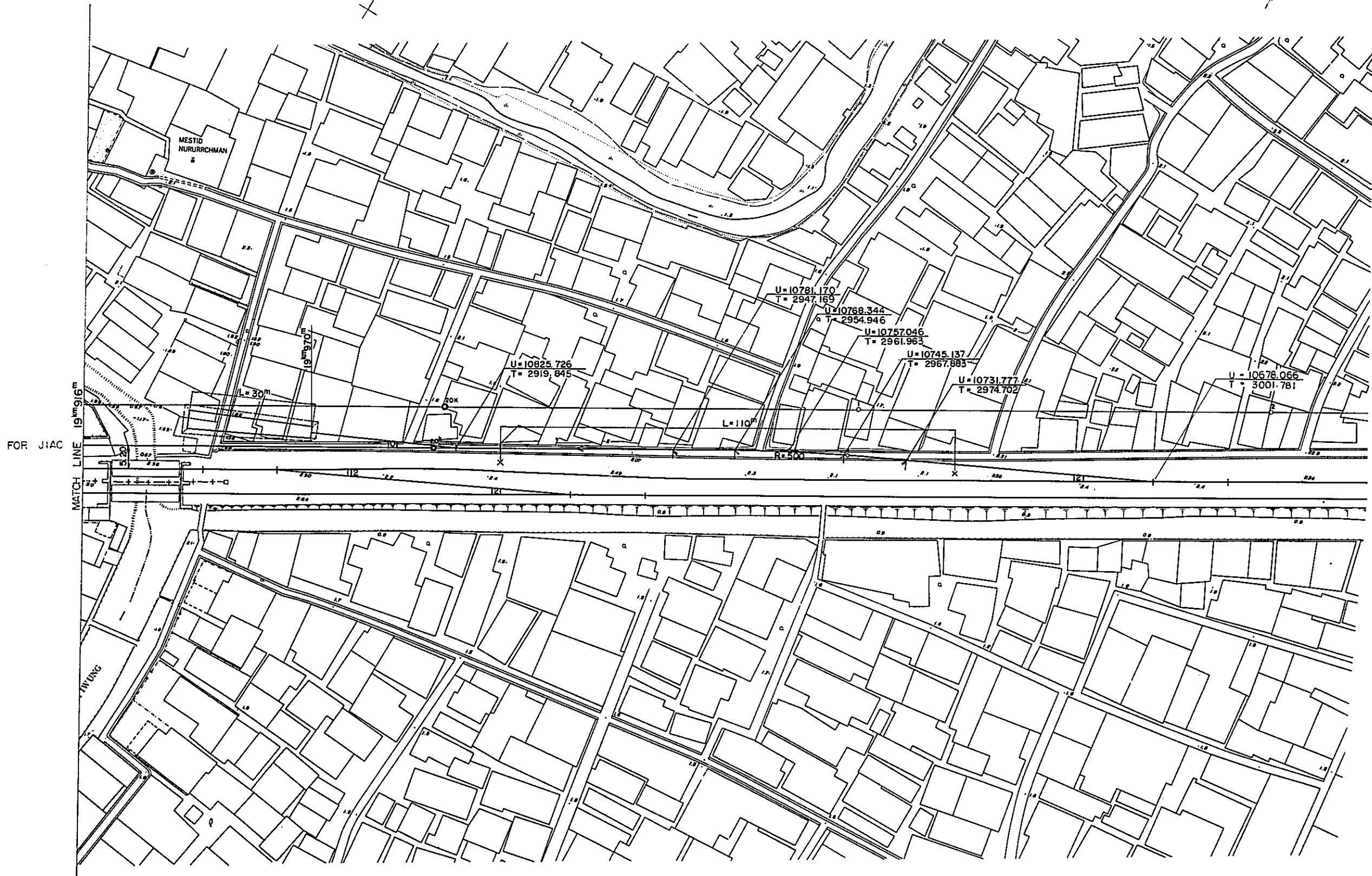
NOTE:
 ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

MATCH LINE 19m916m

FOR JATINEBARA

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)						
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
3	1 AUG 09	T.N.	T.T.	I.M.	K.M.	A.K.
A	15 FEB 04	T.N.	T.T.	I.M.	K.M.	A.K.
SETTING OUT PLAN OF TRACKS IN JAYAKARTA SIGNAL STATION (SHEET 30F 4)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-81				

JSAT



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

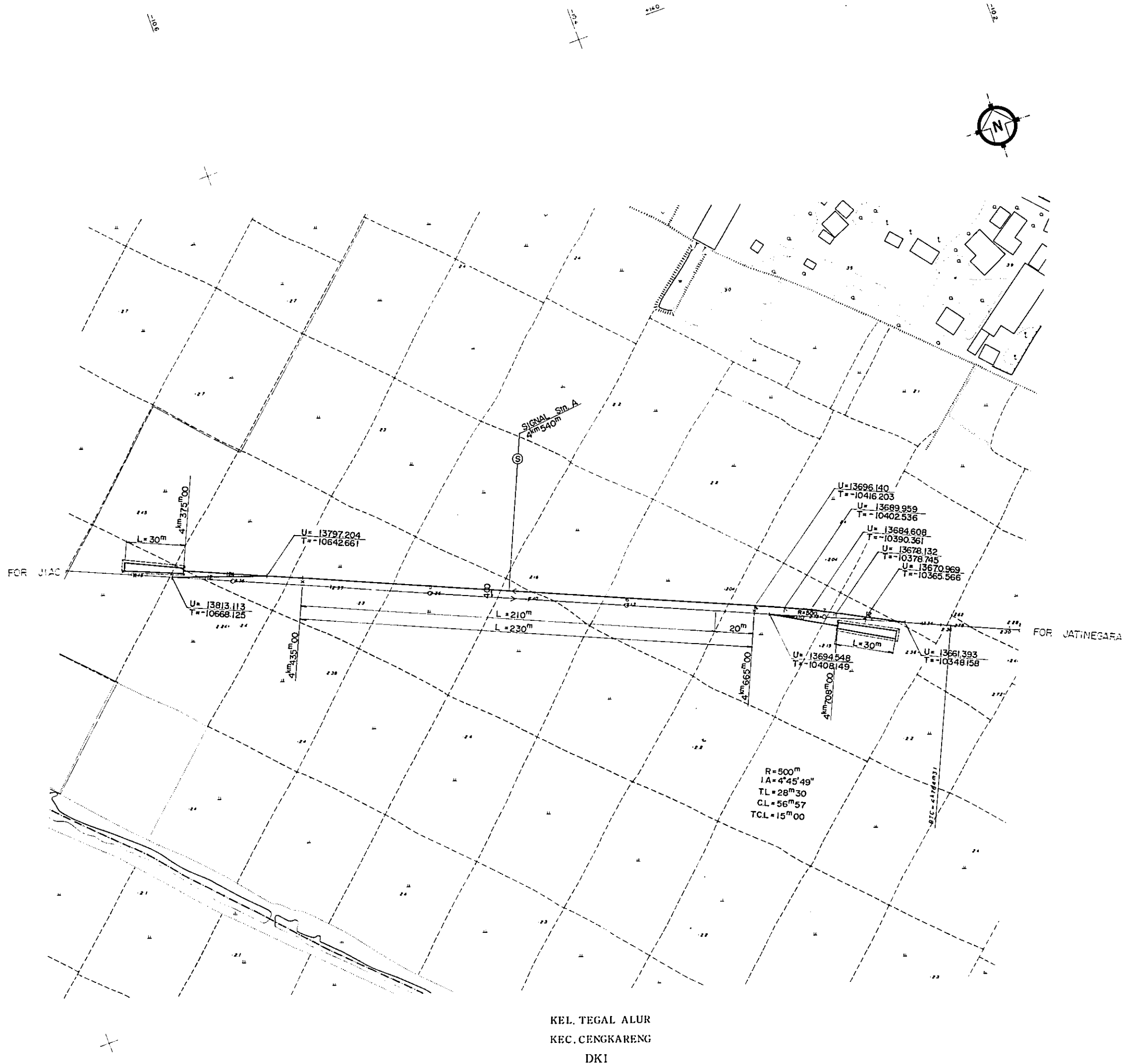
FOR JIAC

FOR JATINEGARA

SAT

R = 500m
LA = 4°45'49"
TL = 28m30
CL = 56m58
TCL = 15m00

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	AUG. 88	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. 89	T.N.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN JAYAKARTA SIGNAL STATION (SHEET 4 OF 4)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE		DRAWING NO.				
1:500		CG-82				



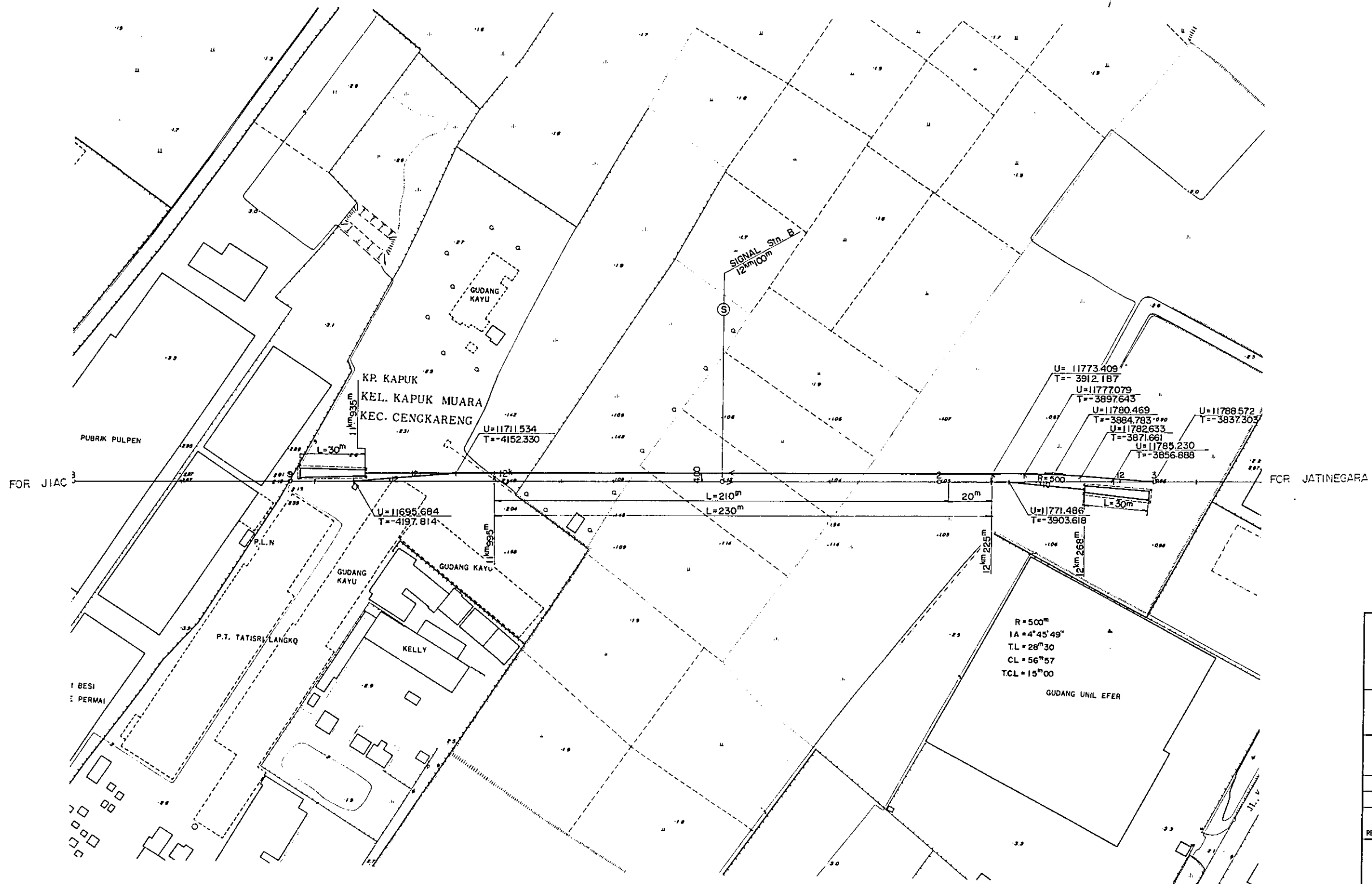
NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

KEL. TEGAL ALUR
KEC. CENGKARENG
DKI

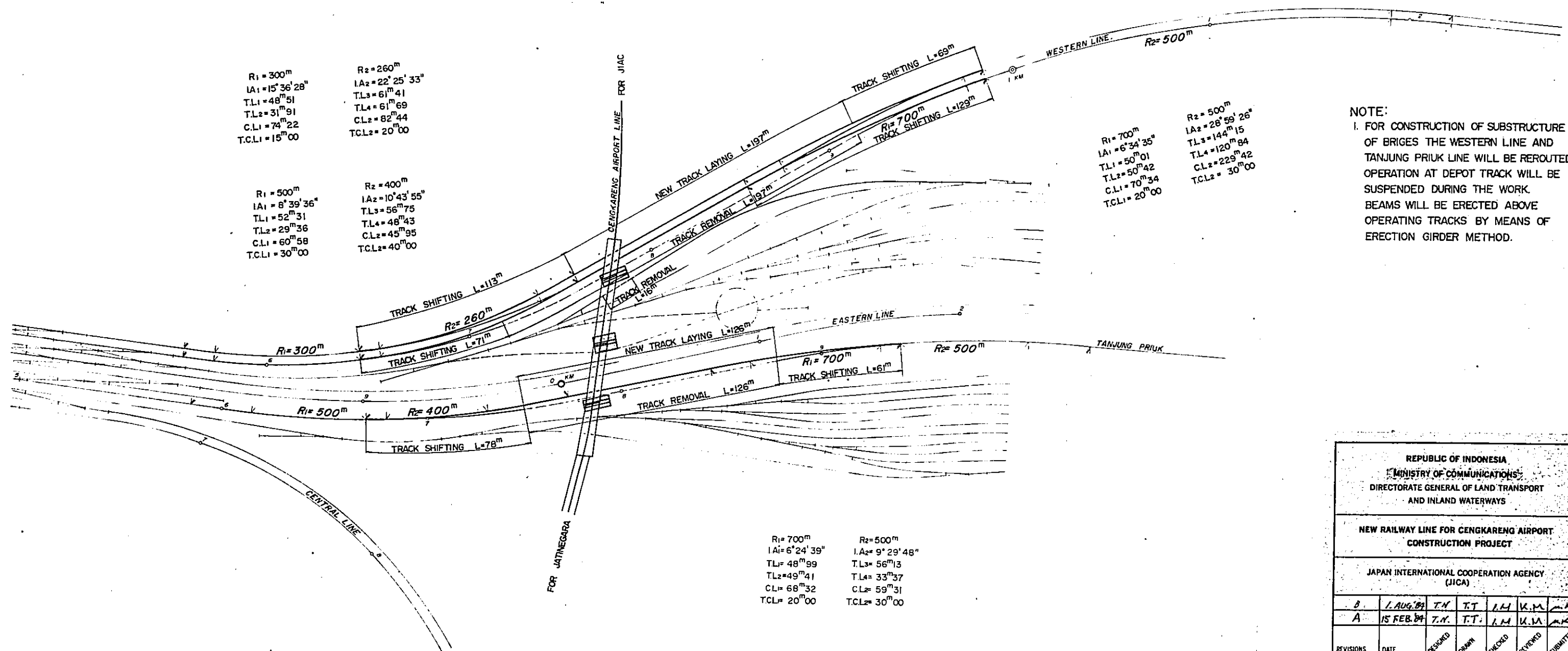
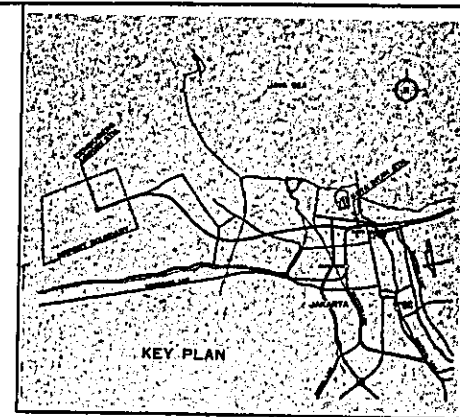
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
3	1 AUG 88	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB 89	T.N.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN SIGNAL STATION A						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:500	CG-83					



NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS 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	1 AUG 83	T.N.	T.T.	I.M.	K.M.	H.K.
A	15 FEB 84	T.N.	T.T.	I.M.	K.M.	H.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN SIGNAL STATION B						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:500		DRAWING NO: CG-84				



NOTE:
 1. FOR CONSTRUCTION OF SUBSTRUCTURE OF BRIGES THE WESTERN LINE AND TANJUNG PRIUK LINE WILL BE REROUTED. DEPOT TRACK WILL BE SUSPENDED DURING THE WORK. BEAMS WILL BE ERECTED ABOVE OPERATING TRACKS BY MEANS OF ERECTION GIRDER METHOD.

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)

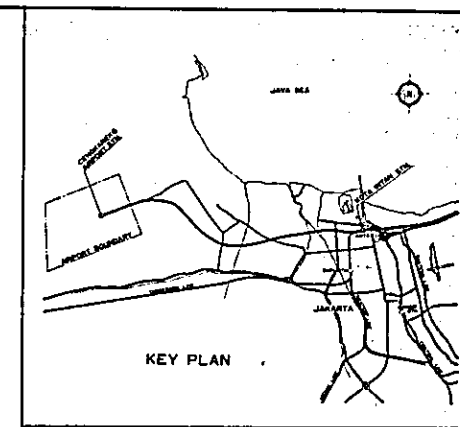
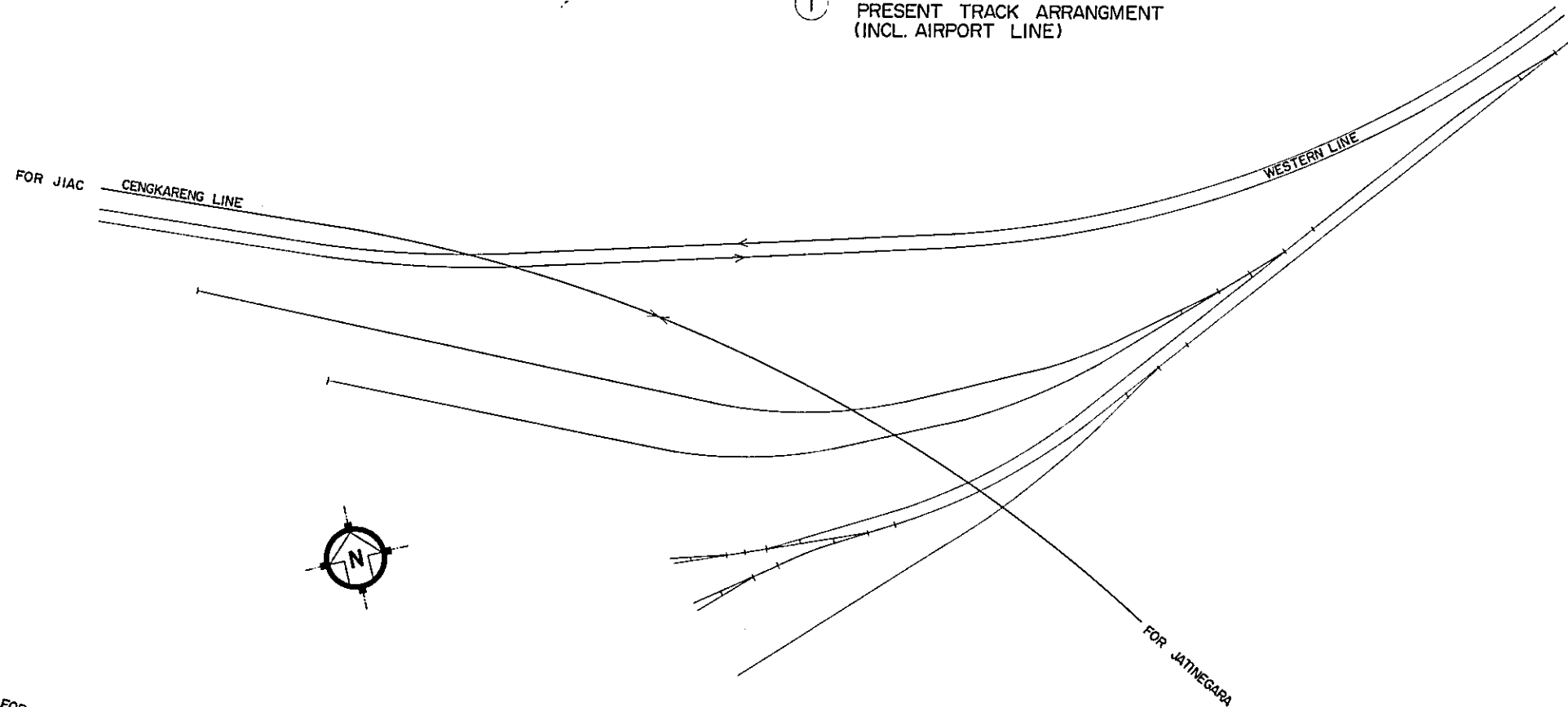
B.	1 AUG 89	T.N.	T.T.	I.H.	U.M.	A.K.
A.	15 FEB 89	T.N.	T.T.	I.H.	U.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

TRACK LAYOUT SHIFTING PLAN
 AT EAST OF KOTA STATION

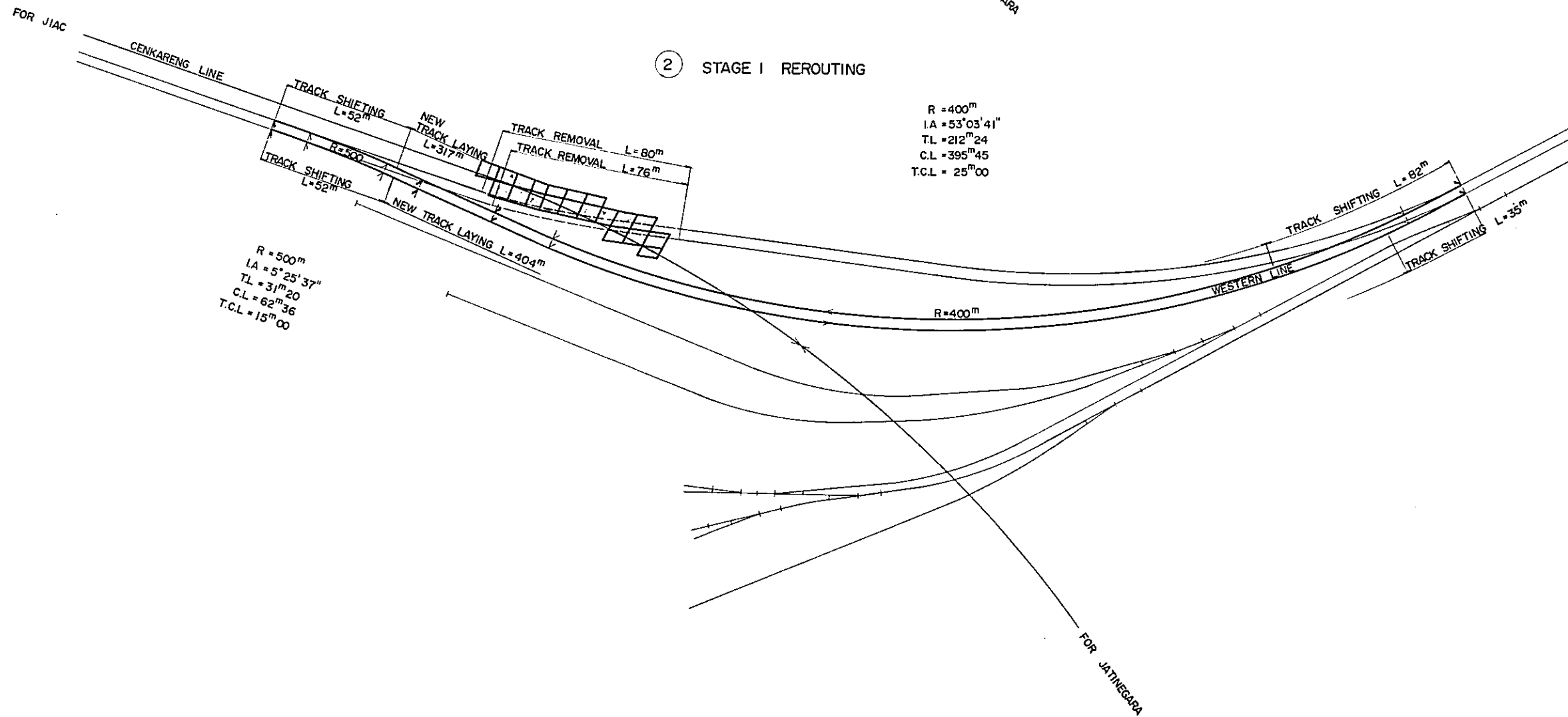
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE	DRAWING NO.
1:1 000	CT-001

① PRESENT TRACK ARRANGMENT
(INCL. AIRPORT LINE)



② STAGE I REROUTING



NOTE:
1. STAGE I REROUTING
TO WORK ON AN INTERSECTION
WITH THE WESTERN LINE.
A TEMPORARY TRACK WILL BE
PROVIDED ON SOUTH SIDE AND
A VIADUCT WILL BE CONSTRUCTED
ABOVE THE OLD TRACK.

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.A	T.T	I.M	K.M	M.K
A	15 FEB. 84	T.A	T.T	I.M	K.M	M.K

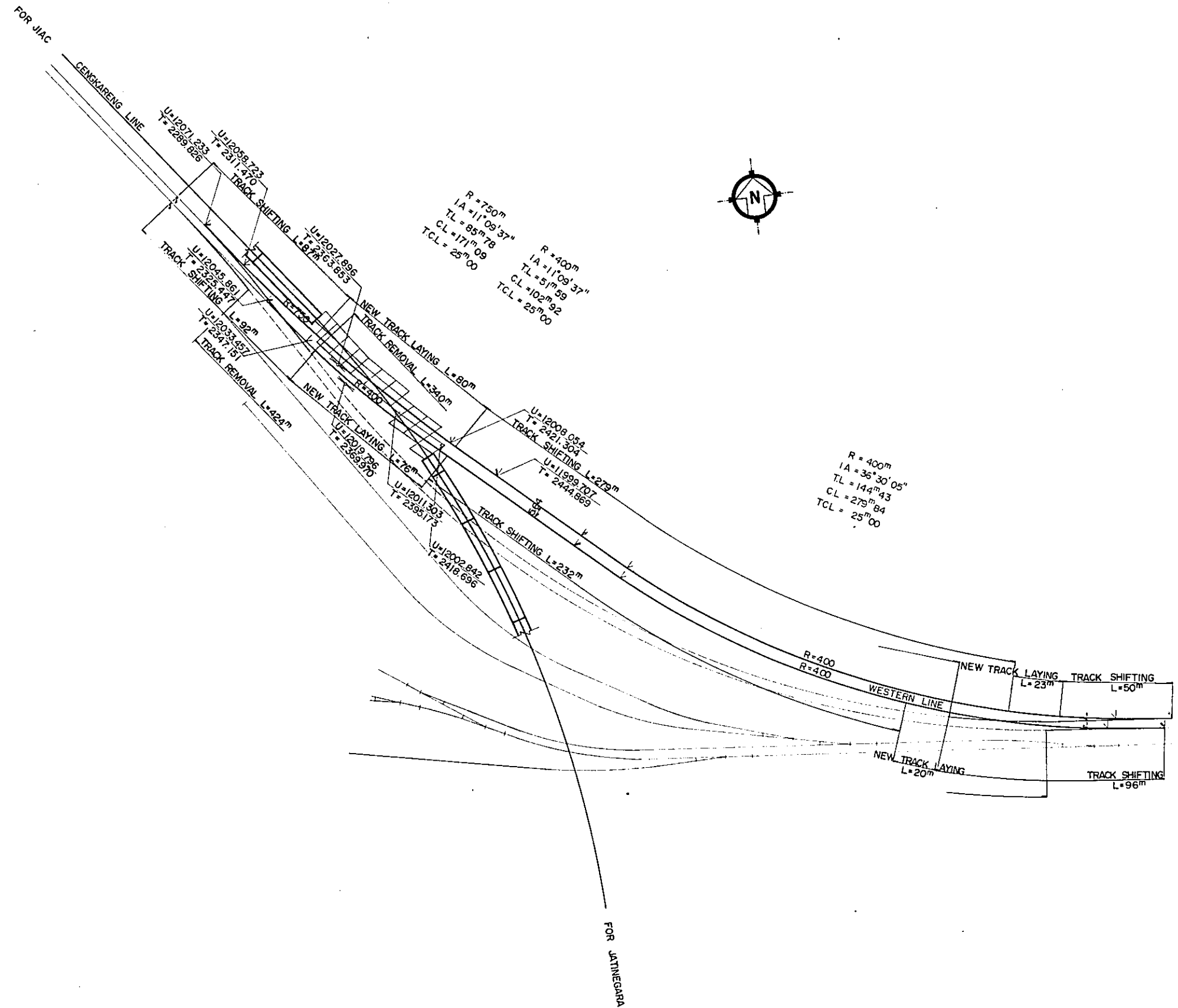
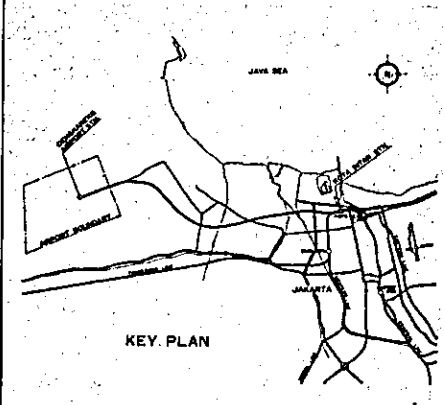
REVISIONS DATE CHECKED DRAWN CHECKED REVIEWED SUBMITTED

TRACK LAYOUT SHIFTING PLAN
AT CROSS OVER OF WESTERN
LINE AND GUDANG FREIGHT
TERMINAL (SHEET 1 OF 2)

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: 1:1 000 DRAWING NO.: CT-002

3 STAGE 2 REROUTING



NOTE:

- STAGE 2 REROUTING
THE WESTERN LINE WILL BE RESTORED TO A SPACE BENEATH COMPLETED VIADUCT TO CONSTRUCT BRIDGES AT BOTH ENDS.
- ALL DIMENSIONS ARE SHOWN IN METERS 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)

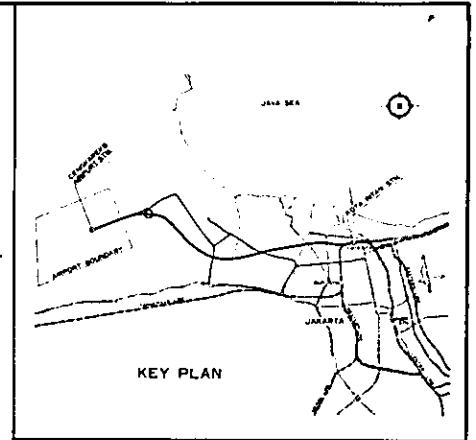
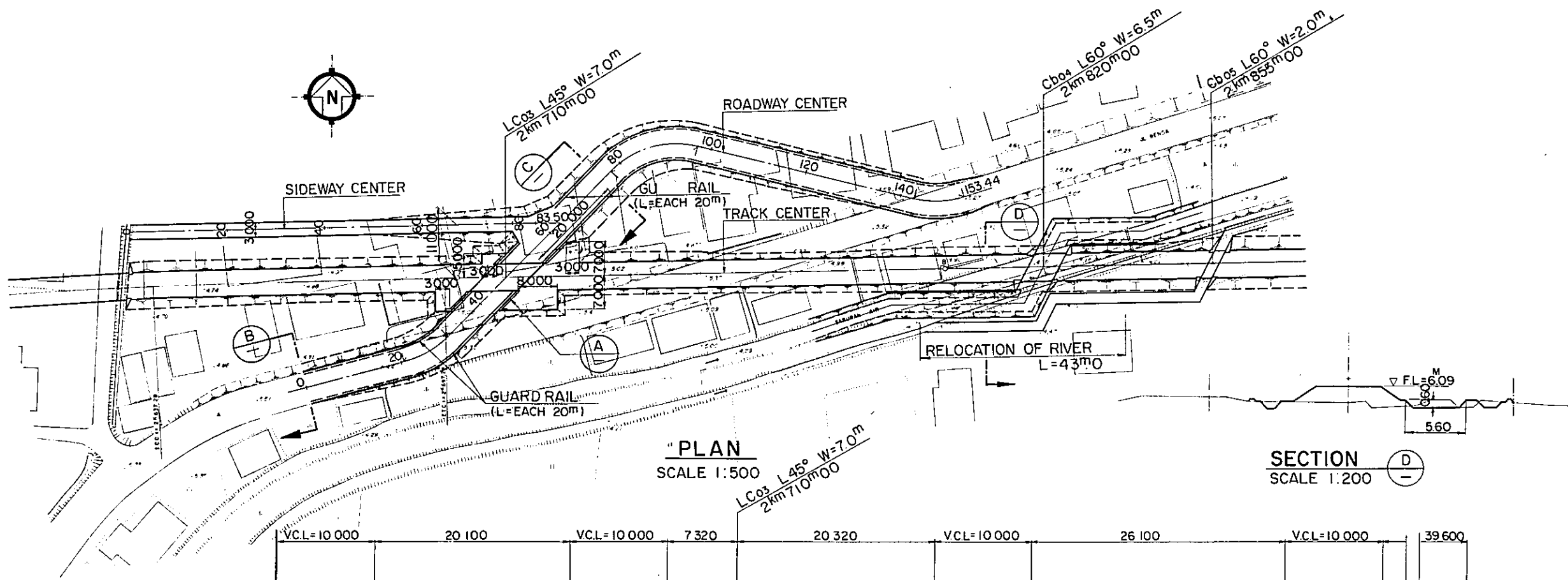
B	1 AUG '84	T.N.	T.T.	I.M.	K.M.	A.K.
A	15 FEB '84	T.N.	T.T.	I.M.	K.M.	A.K.

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

TRACK LAYOUT SHIFTING PLAN AT CROSS OVER OF WESTERN LINE AND GUDANG FREIGHT TERMINAL (SHEET 2 OF 2)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

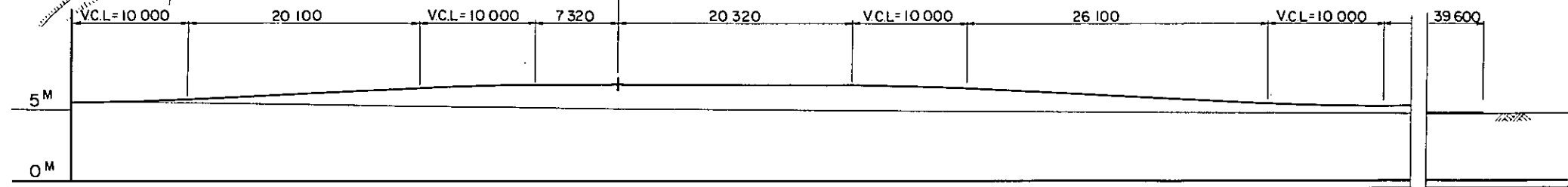
SCALE: 1:1000 DRAWING NO: CT-003



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

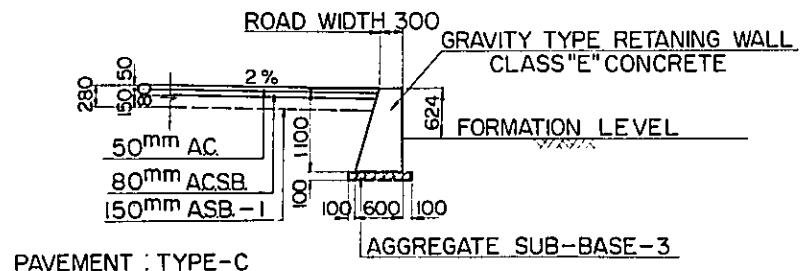
PLAN
SCALE 1:500

SECTION D-D
SCALE 1:200

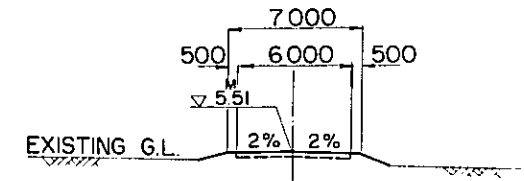


GRADIENT	L	5.51	$i=4\%$ $R=30.10$		6.71	L	37.64	6.71	$i=4\%$ $R=36.10$		5.27	L						
PROFILE GRADE		5.51	5.56	5.71	6.11	6.51	6.66	6.71	6.71	6.66	6.51	6.42	5.62	5.47	5.32	5.27	5.27	
METERAGE	0	5.00	10.00	20.00	30.10	35.10	40.00	40.10	60.00	67.74	72.74	77.74	80.00	100.00	103.84	108.84	113.84	153.44
CURVE		R=18.50m																

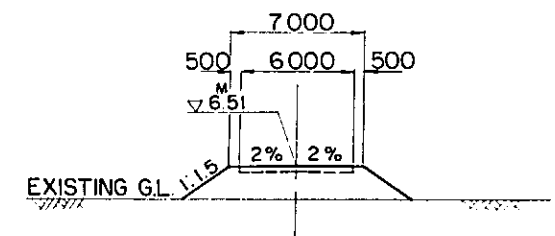
PROFILE
SCALE H=1:250 V=1:200



DETAIL A
SCALE 1:50



SECTION B
SCALE 1:200



SECTION C
SCALE 1:200

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

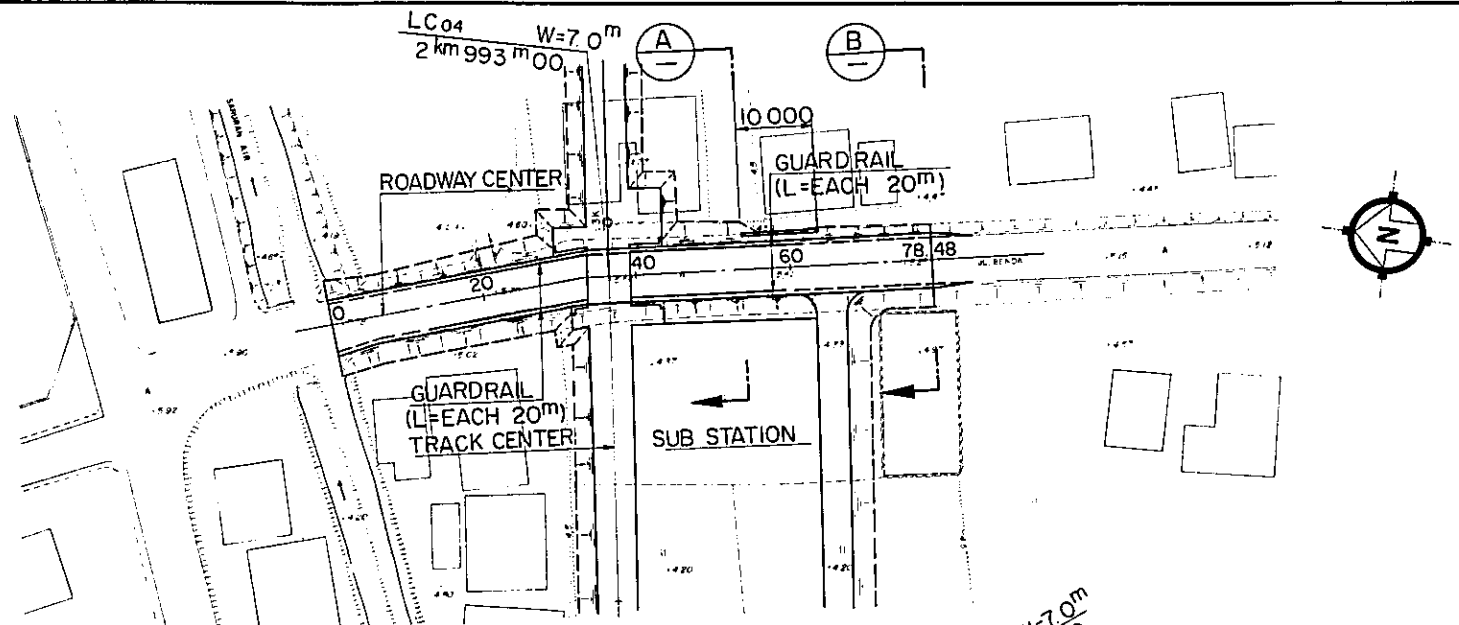
NEW RAILWAY LINE FOR CENKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

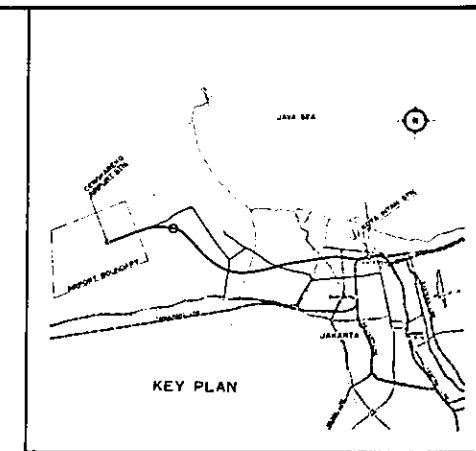
B	1 AUG 84	T.N.	T.T	I.M	K.M	A.K
A	15 FEB 84	T.N.	T.T	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

RELOCATION OF ROADS
(SHEET 1 OF 6)

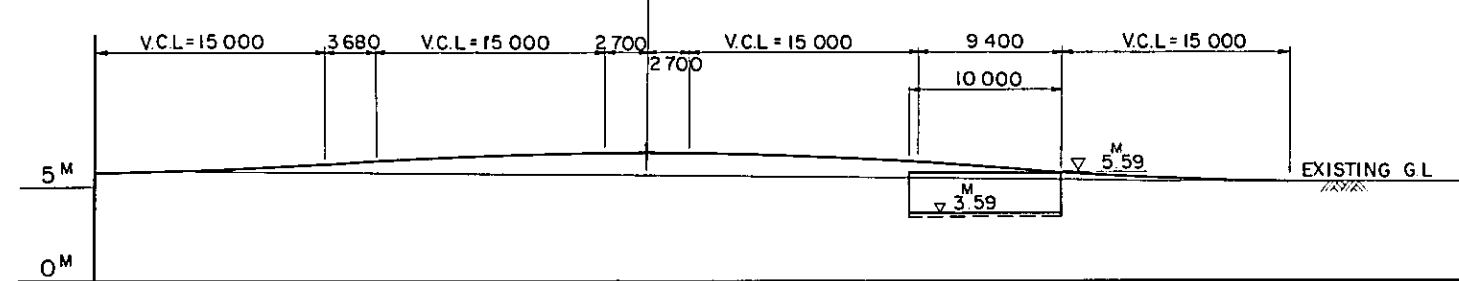
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
SCALE: AS NOTED DRAWING NO: CE-001



PLAN
SCALE 1:500

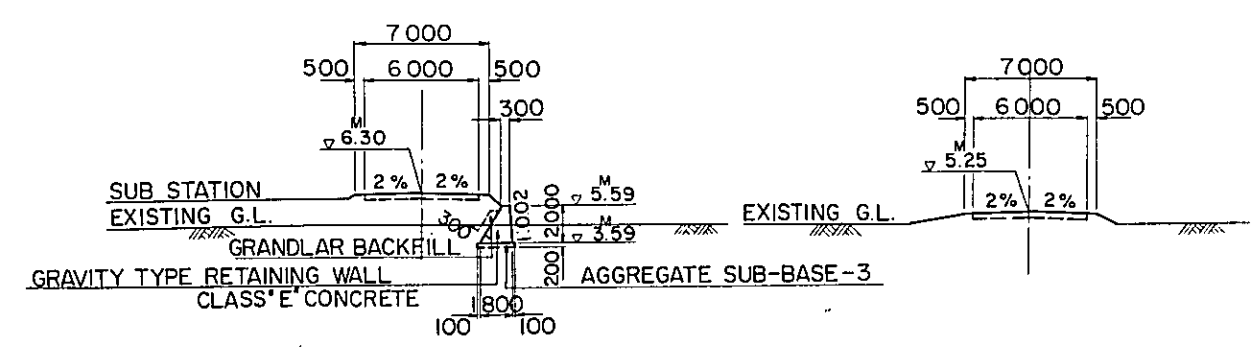


NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.



GRADIENT	L	5.78	$i=5\%$ $r=18.68$	6.71	L	20.40	6.71	$i=6\%$ $r=24.40$	5.25	L					
PROFILE GRADE	5.780	5.87	6.16	6.34	6.40	6.62	6.71	6.71	6.60	6.26	5.91	5.70	5.36	5.25	
METERAGE	0	7.50	15.00	18.68	20.00	26.18	33.68	39.08	40.00	46.58	54.08	60.00	63.48	70.98	78.48
CURVE	-----														

PROFILE
SCALE H=1:250 V=1:200



SECTION A
SCALE 1:200

SECTION B
SCALE 1:200

DRAIN PIPE $\phi 75^{mm}$ U-P-V-C EACH PER $2m^2$

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)

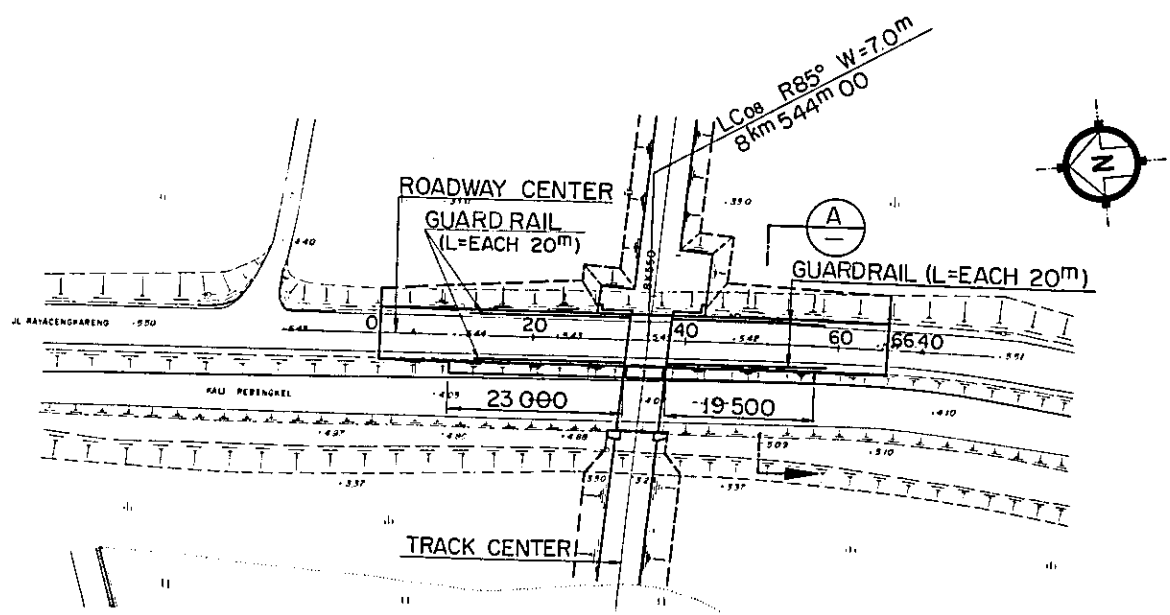
B	1 AUG 84	J.N.	T.T.	I.M.	K.M.	K.K.
A	15 FEB 84	J.N.	T.T.	I.M.	K.M.	K.K.

REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

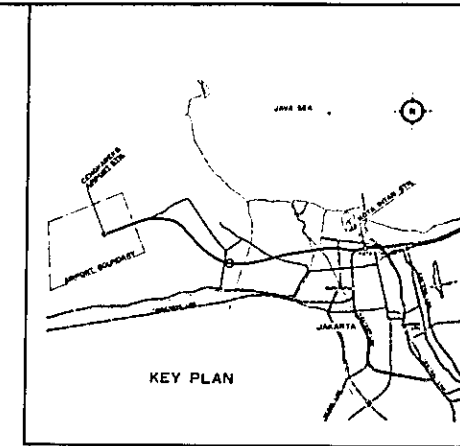
RELOCATION OF ROADS
(SHEET 2 OF 6)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

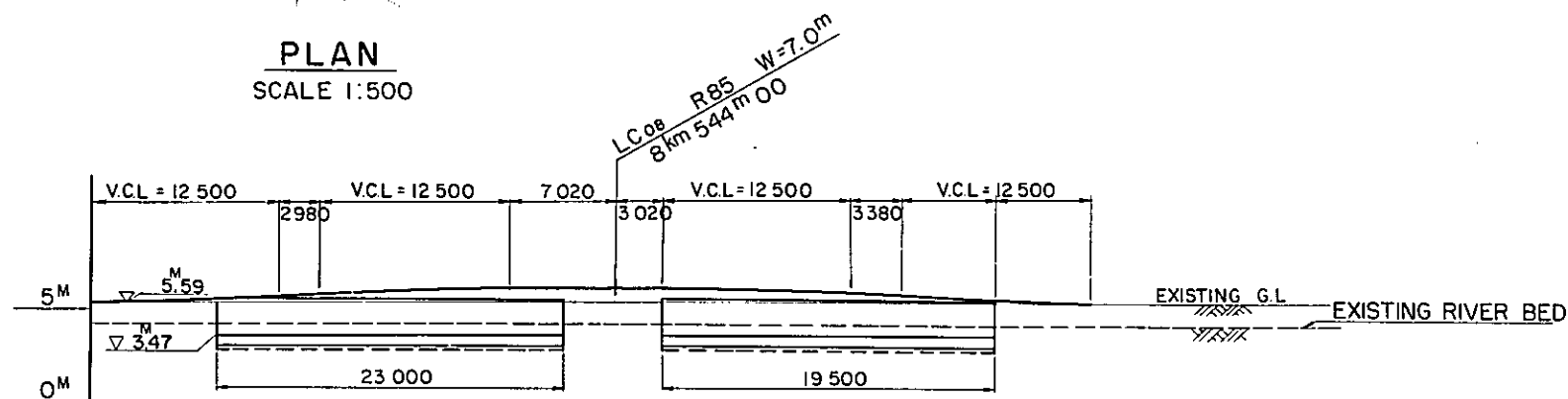
SCALE: AS NOTED DRAWING NO: CE - 002



PLAN
SCALE 1:500

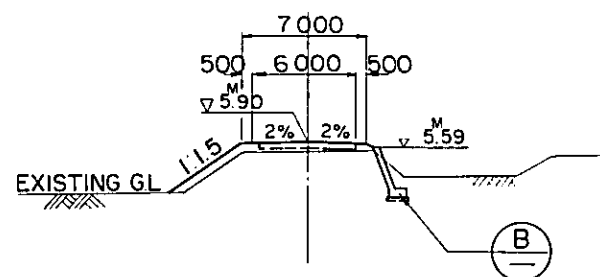


NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

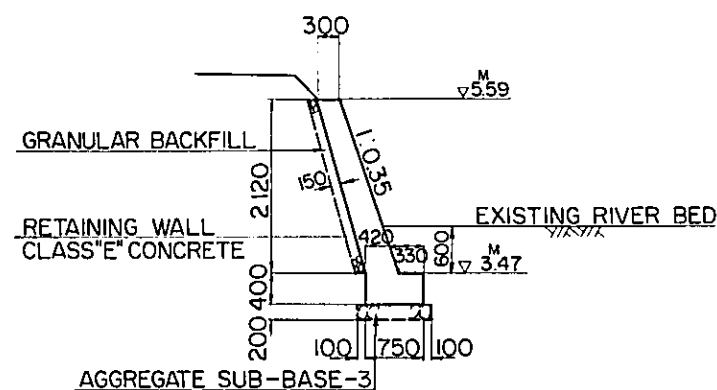


GRADIENT																
PROFILE GRADE	5.44	5.52	5.75	5.90	6.13	6.14	6.21	6.21	6.21	6.21	6.14	5.90	5.73	5.50	5.50	5.42
METERAGE	0	6.25	12.50	15.48	20.00	21.75	27.98	35.00	38.02	40.00	44.27	50.52	53.90	60.00	60.15	66.40
CURVE	—															

PROFILE
SCALE H=1:250 V=1:200



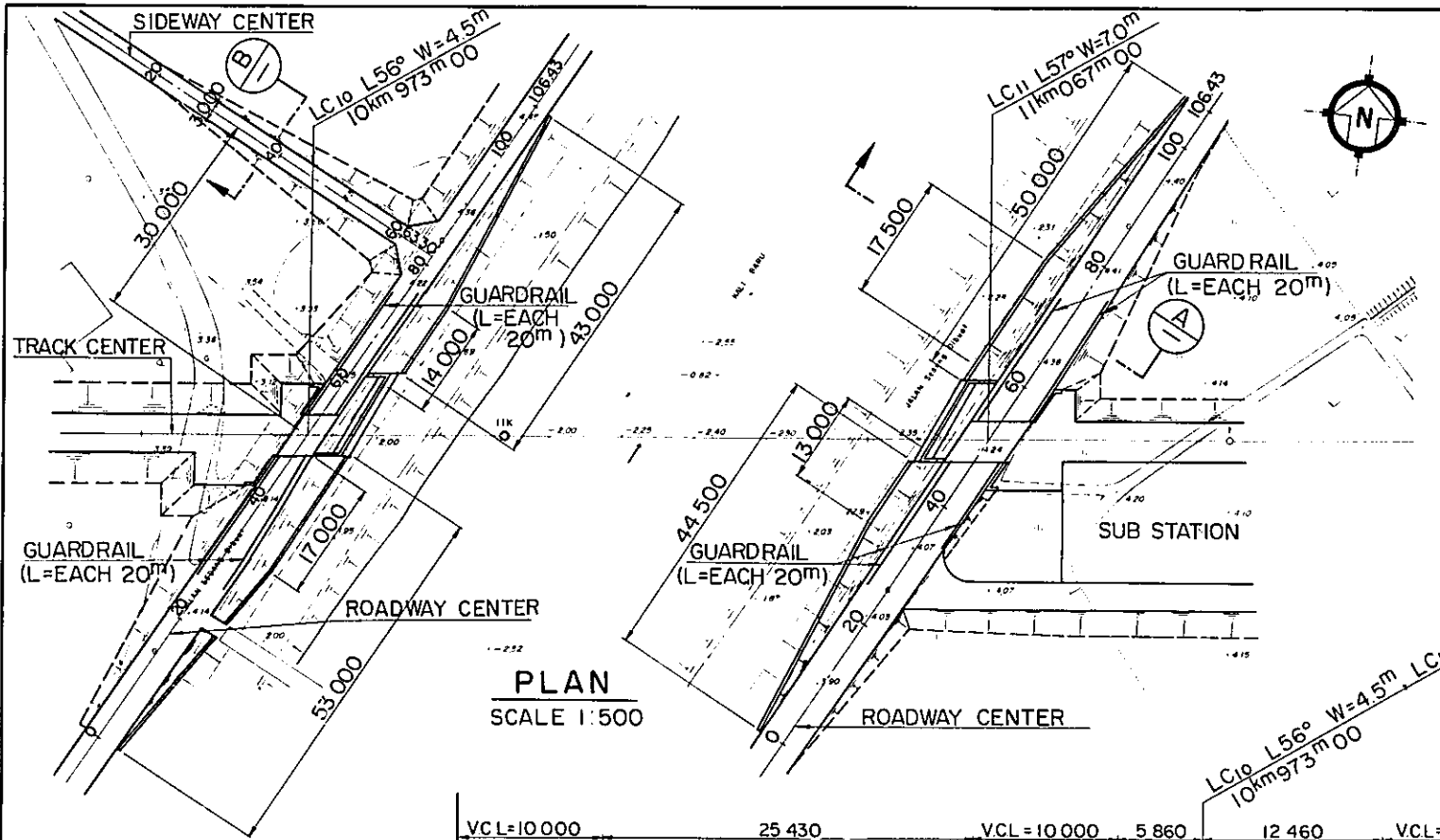
SECTION A
SCALE 1:200



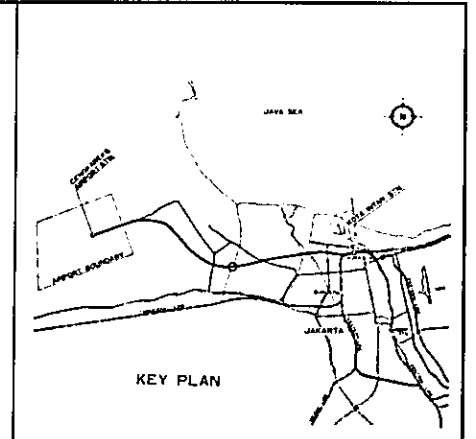
DETAIL B
SCALE 1:50

DRAIN PIPE $\phi 75$ mm UP-V.C EACH PER 2^m2

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. 99	T.N.	T.T.	I.M.	K.M.	A.K.
A	15 FEB. 98	T.N.	T.T.	I.M.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
RELOCATION OF ROADS (SHEET 3 OF 6)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
AS NOTED	CE-003					

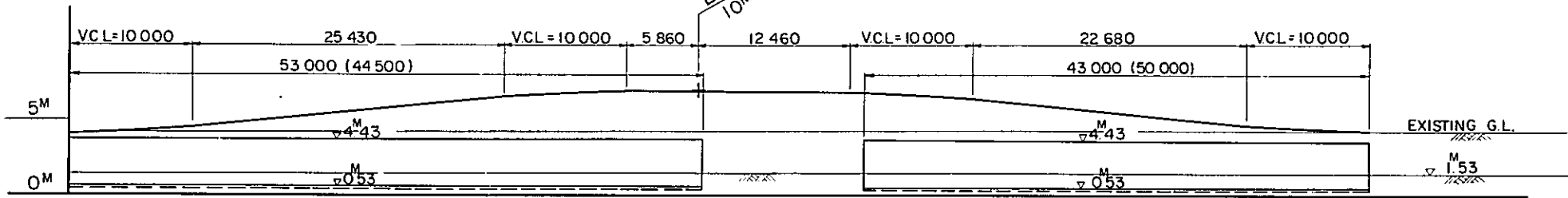


PLAN
SCALE 1:500



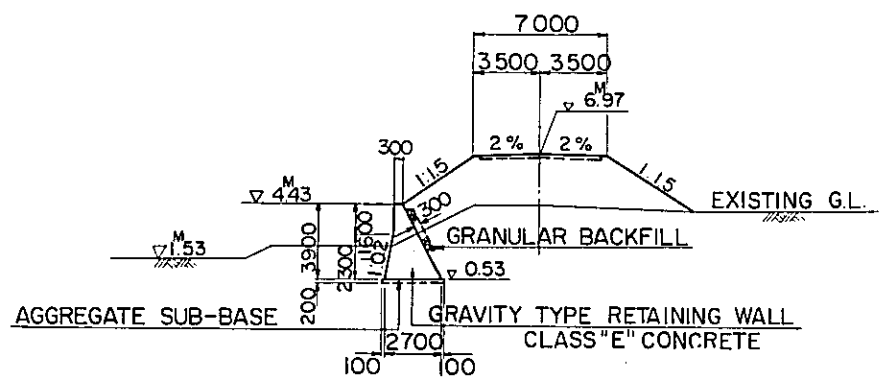
KEY PLAN

NOTE:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED.
2. FIGURES IN PARENTESIS INDICATE THE WALL LENGTH FOR ROAD LC11.

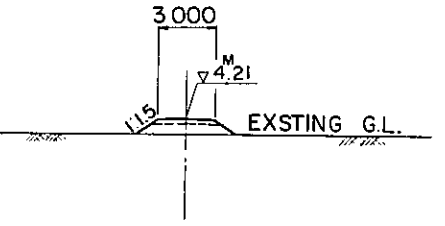


GRADIENT	L	4.14	$i=8\%$ $f=35.43$		L	6.97	$f=28.32$		L	6.97	$i=8\%$ $f=32.68$		L	4.36				
PROFILE GRADE		4.14	4.24	4.54	5.34	6.57	6.86	6.87	6.97	6.97	6.97	6.87	6.57	6.17	4.76	4.52	4.46	4.36
METERAGE	0	5.00	10.00	20.00	35.43	40.00	40.43	45.43	51.29	60.00	63.75	68.75	73.75	80.00	96.43	100.00	101.43	106.43
CURVE																		

PROFILE
SCALE H=1:250 V=1:200



SECTION A
SCALE 1:200



SECTION B
SCALE 1:200

INTERVAL OF EXPANSION JOINT SHALL BE LESS THAN 10m
DRAIN PIPE $\phi 75$ mm U-P.V.C EACH PER 2m²

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

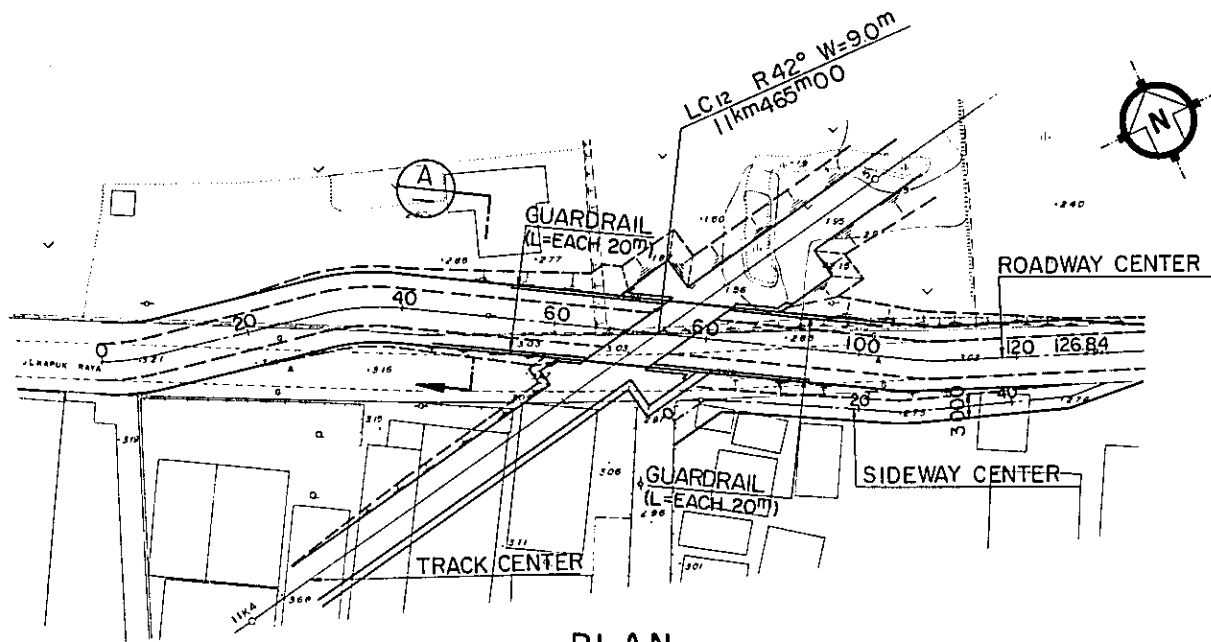
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

3	1. AUG. '89	T.H	T.T	J.M	K.M	M.K
1	15 FEB. '89	T.H	T.T	J.M	K.M	M.K

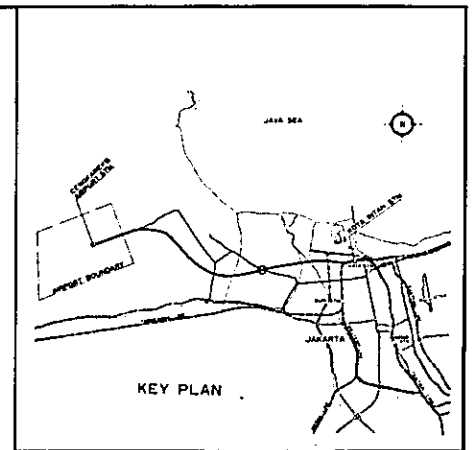
REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

RELOCATION OF ROADS
(SHEET 4 OF 6)

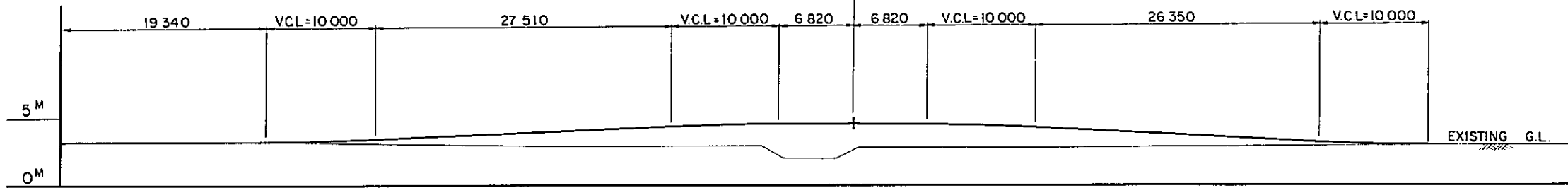
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
SCALE AS NOTE DRAWING NO: CE-004



PLAN
SCALE 1:500

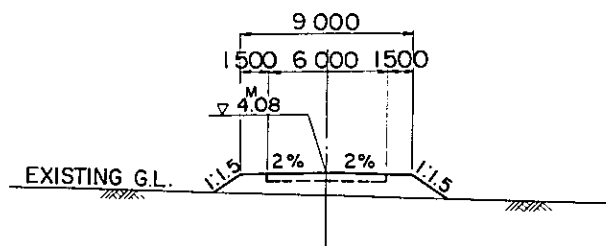


NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.



GRADIENT	L		3.21	$i = 3.37\%$ $\ell = 37.51$		4.47	L		23.64	4.47	$i = 4\%$ $\ell = 36.35$		L	3.02								
PROFILE GRADE		3.21	3.21	3.25	3.38	3.74		4.31	4.39	4.43	4.47		4.47	4.42	4.27	3.89		3.22	3.11	3.07	3.02	
METERAGE	19.34	20.00	24.34	29.34	40.00		56.85	60.00	61.85	66.85		80.00	80.49	85.49	90.49	100.00		116.84	120.00	121.84	126.84	
CURVE	R=30m		R=30m		R=30m		R=30m		R=30m		R=30m		R=30m		R=30m		R=30m		R=30m		R=30m	

PROFILE
SCALE H=1:250 V=1:200



SECTION A
SCALE 1:200

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)

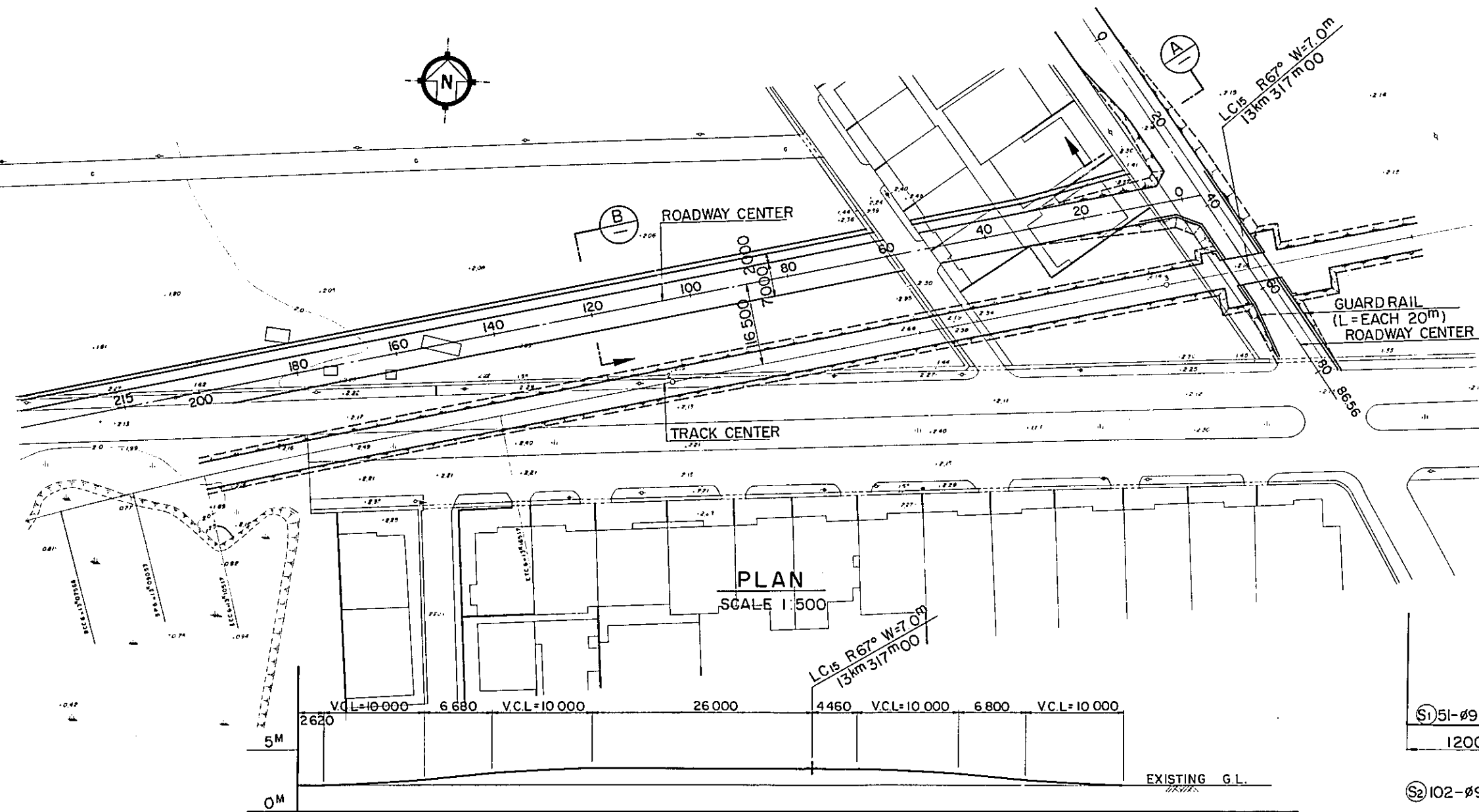
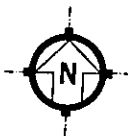
B	1. AUG. 84	T.N.	T.T.	I.M.	K.M.	M.K.
A	15. FEB. 84	T.N.	T.T.	I.M.	K.M.	M.K.

REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

RELOCATION OF ROADS
(SHEET 5 OF 6)

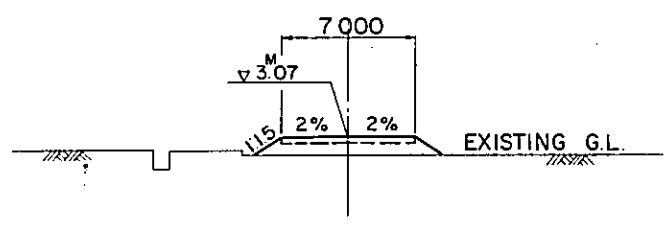
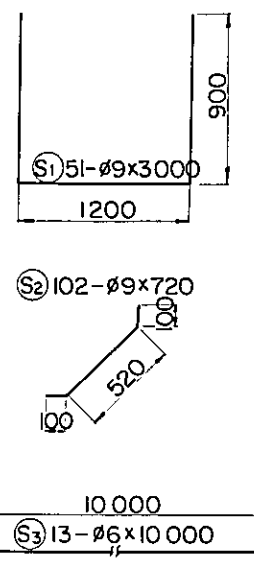
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: AS NOTED DRAWING NO.: CE-005

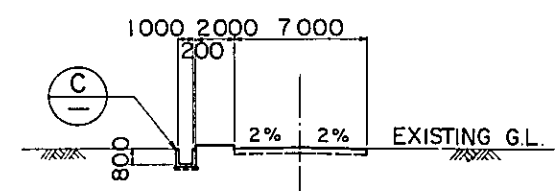


PLAN
SCALE 1:500

GRADIENT	L	2.14	$i=8\%$ $l=16.68$	3.47	L	40.46	3.47	$i=8\%$ $l=16.80$	2.13	L								
PROFILE GRADE	2.14	2.14	2.24	2.54	3.07	3.13	3.37	3.47	3.37	3.07	2.53	2.30	2.23	2.13				
METERAGE	0	2.62	7.62	12.62	19.30	20.00	24.30	29.30	60.00	55.30	59.76	60.00	64.76	69.76	76.56	80.00	81.56	86.56
CURVE																		

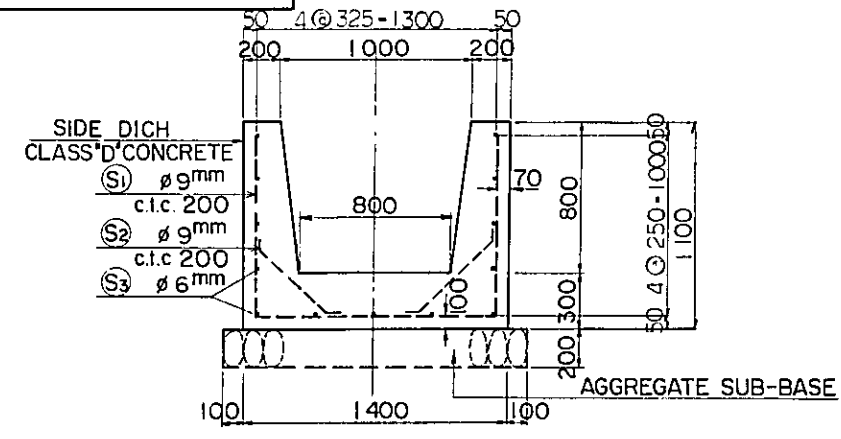


SECTION A
SCALE 1:200



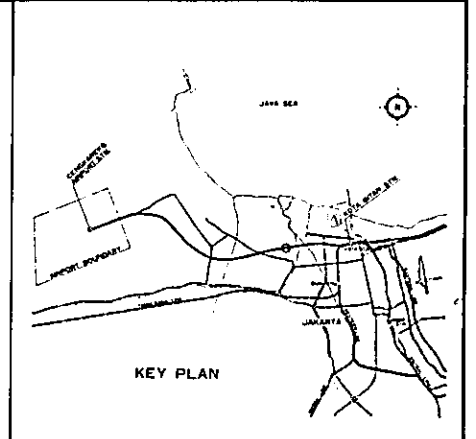
SECTION B
SCALE 1:200

PROFILE
SCALE H=1:250 V=1:200



DETAIL C
SCALE 1:20

INTERVAL OF EXPANSION JOINTS SHALL BE LESS THAN 10^m



NOTE:
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

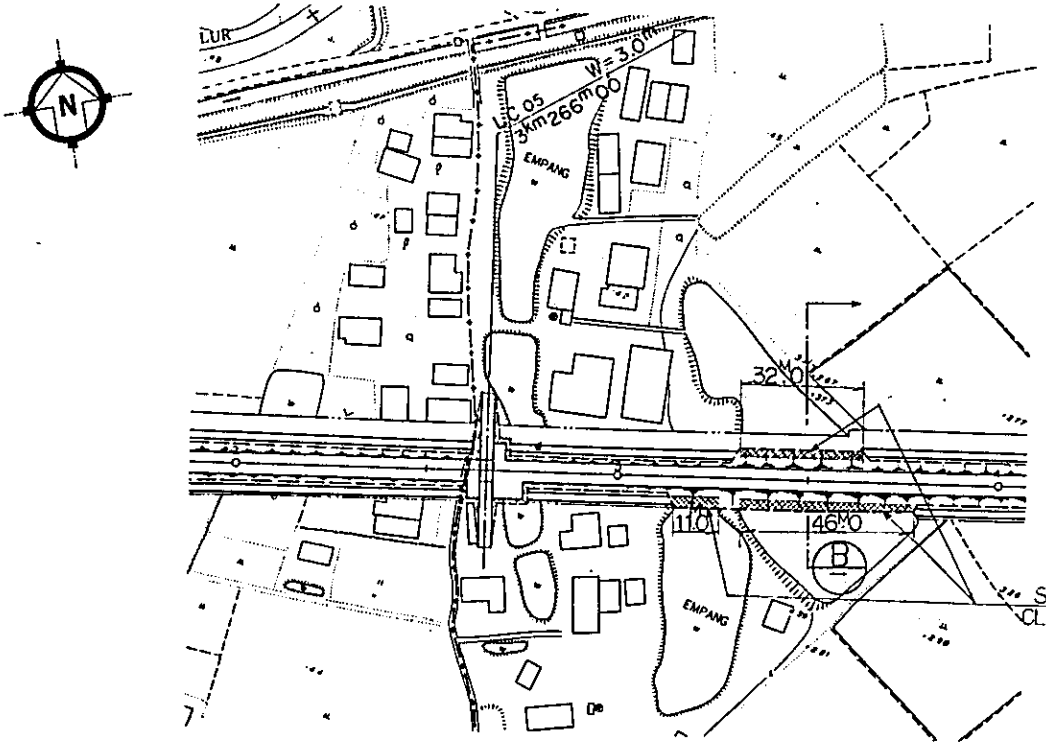
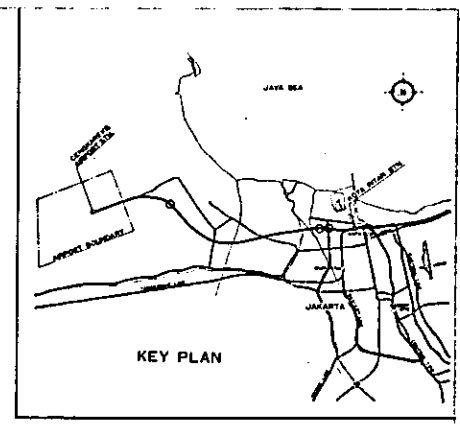
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

B	1 AUG 89	J.N	T.T	I.M	K.M	M.K
A	15 FEB 89	J.N	T.T	I.M	K.M	M.K

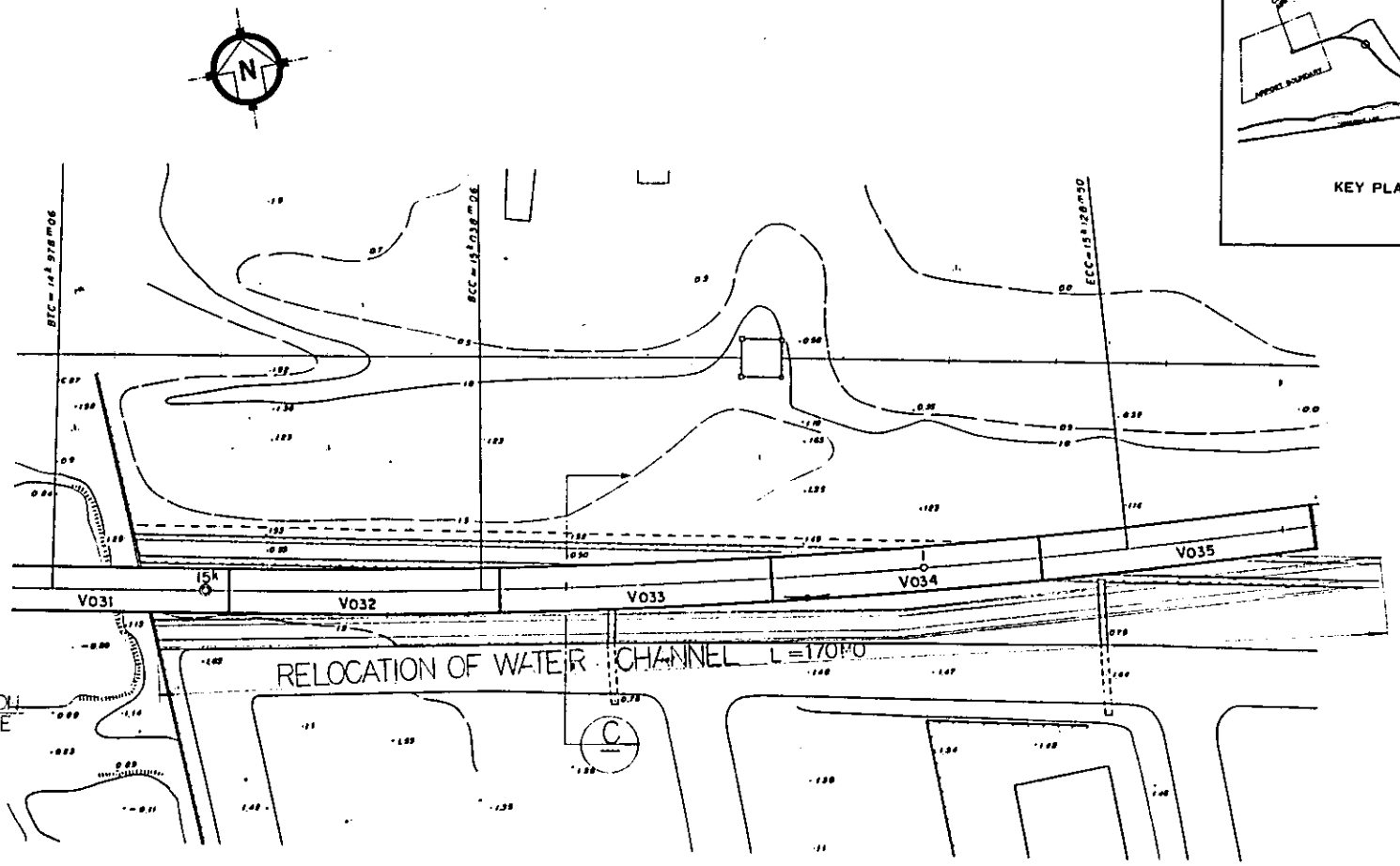
REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

RELOCATION OF ROADS
(SHEET 6 OF 6)

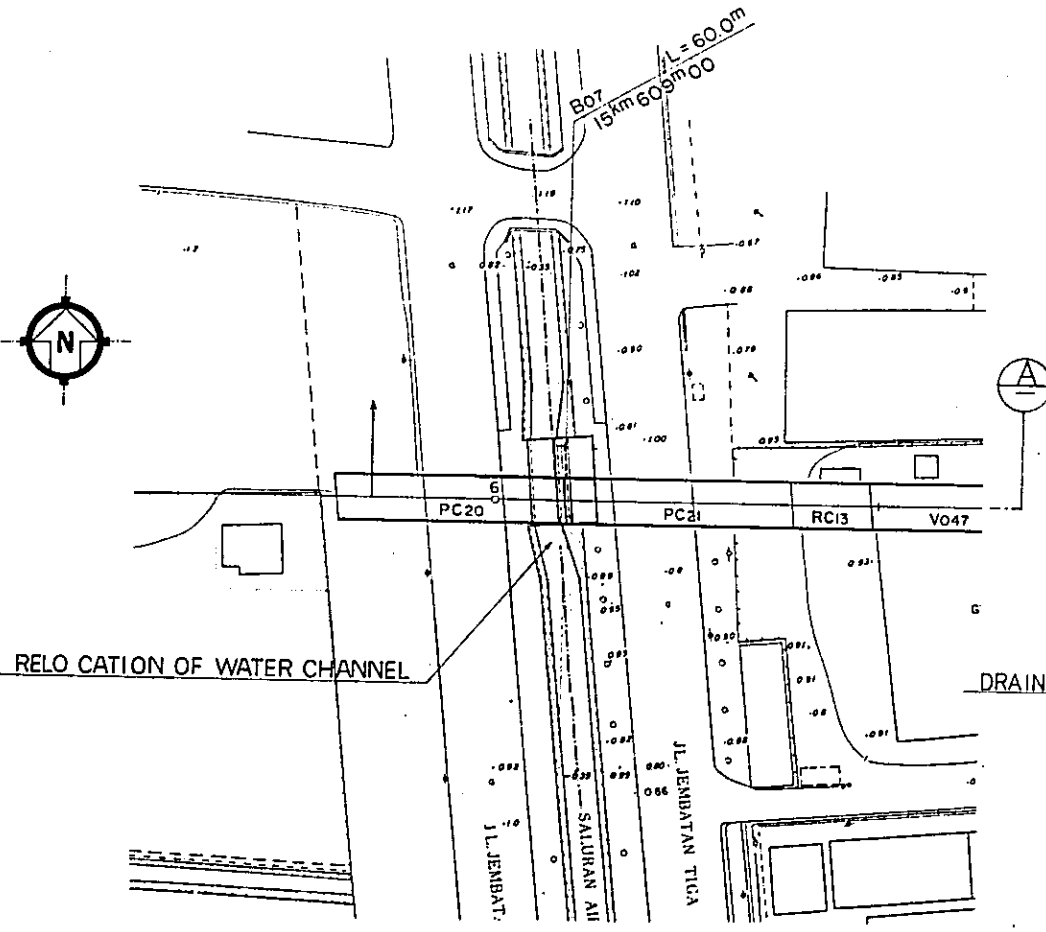
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
SCALE: AS NOTED DRAWING NO: CE-006



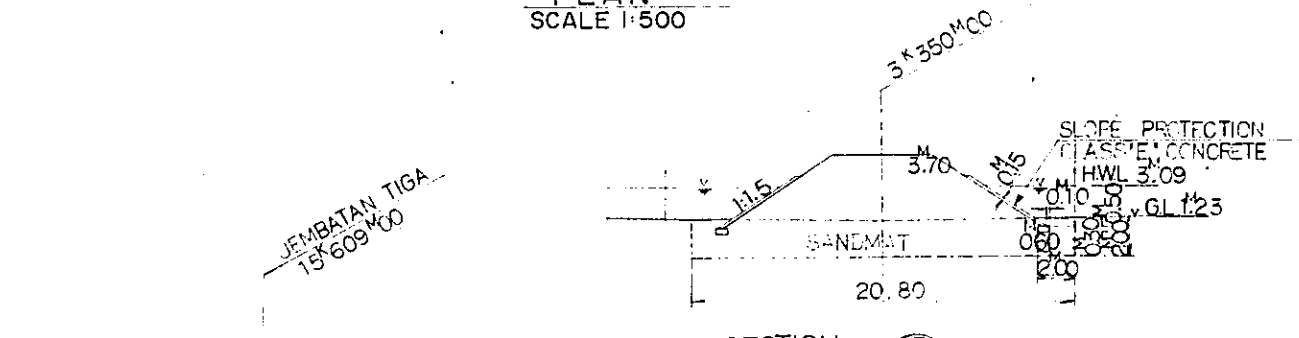
PLAN
SCALE 1:1000



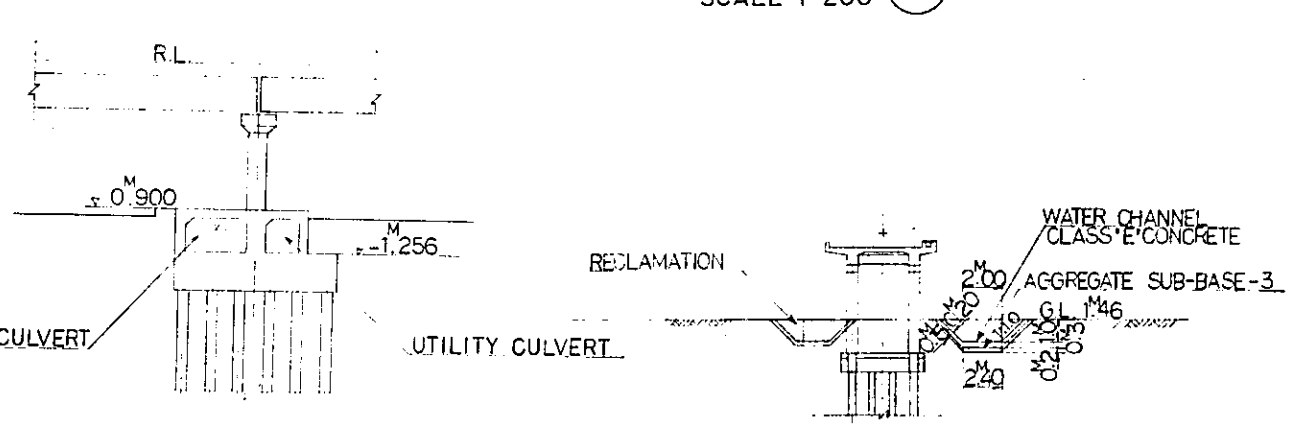
PLAN
SCALE 1:500



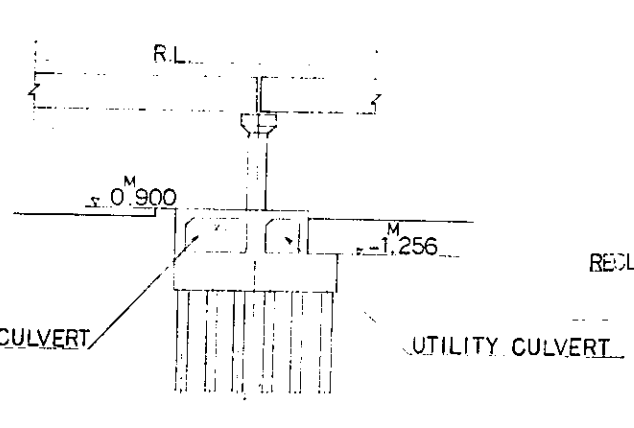
PLAN
SCALE 1:500



SECTION B
SCALE 1:200

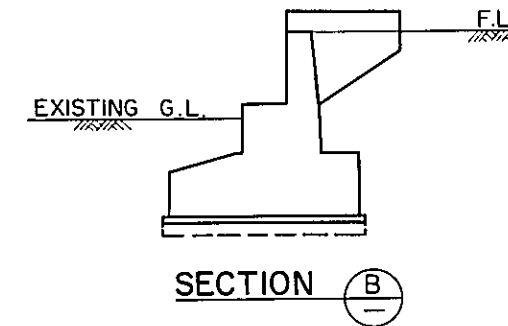
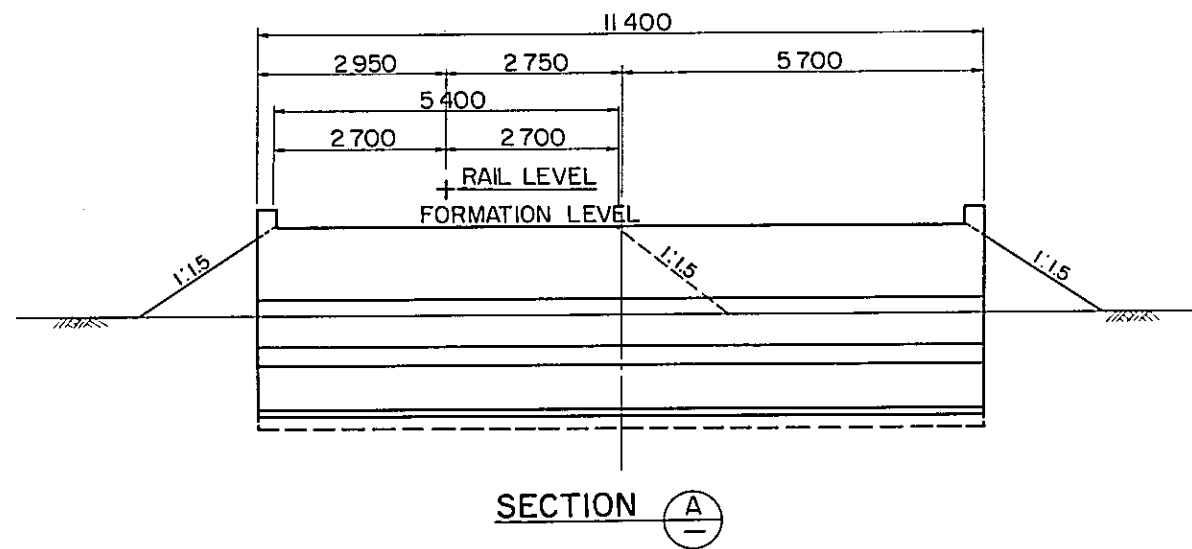


SECTION C
SCALE 1:200

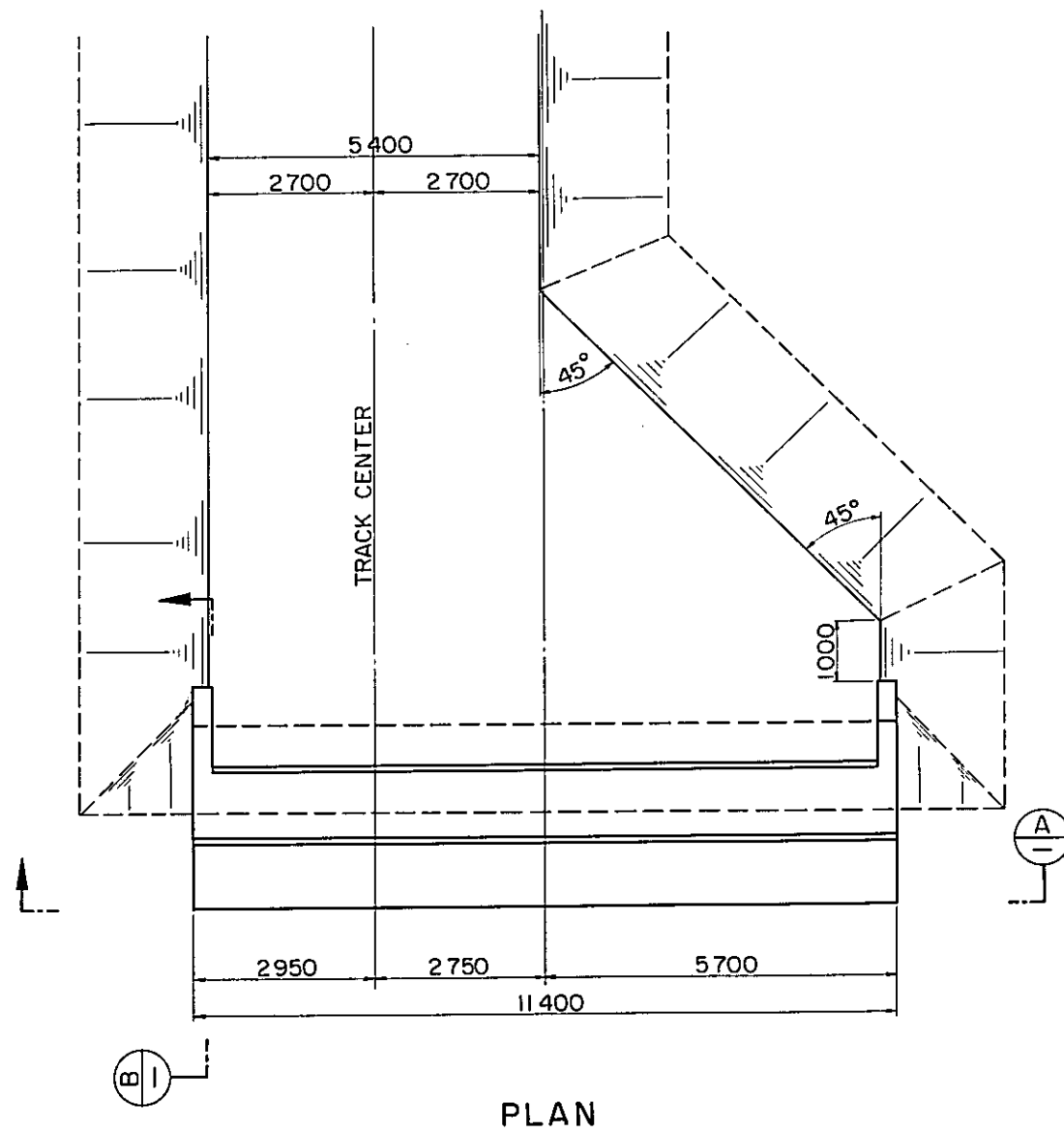


SECTION A
SCALE 1:200

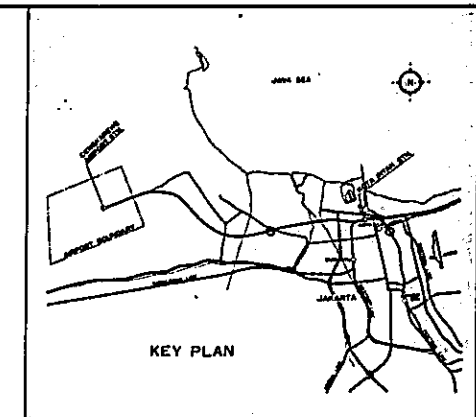
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 84	T.N.	T.T.	I.M.	K.M.	M.K.
A	5 FEB. 84	T.N.	T.T.	I.M.	K.M.	M.K.
RELOCATION OF WATERWAY AND DETAILS OF CONCRETE FOR SLOPE PROTECTION						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE AS NOTED		DRAWING NO. CE-007				



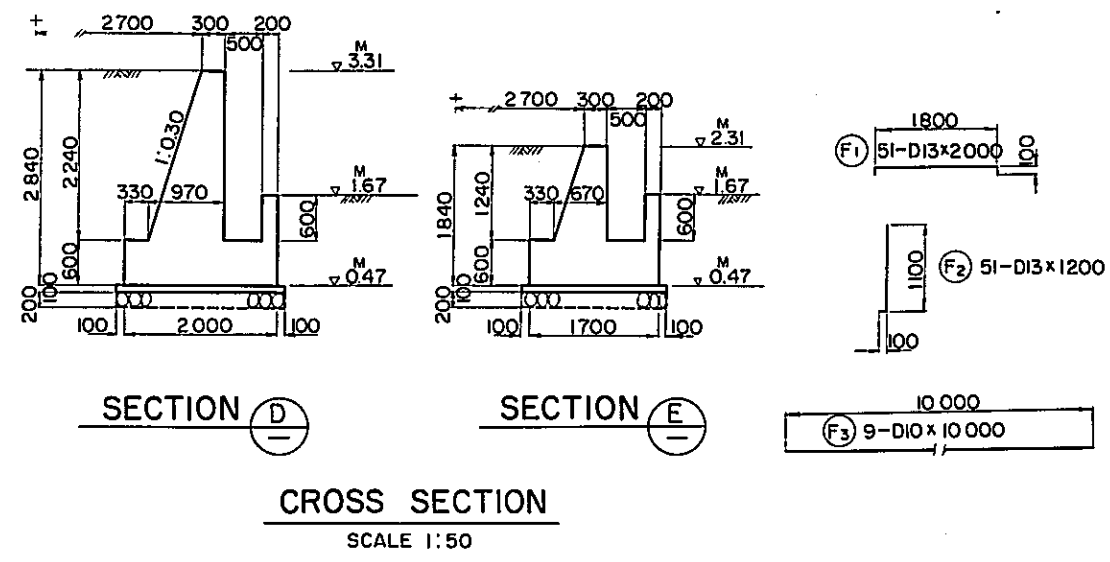
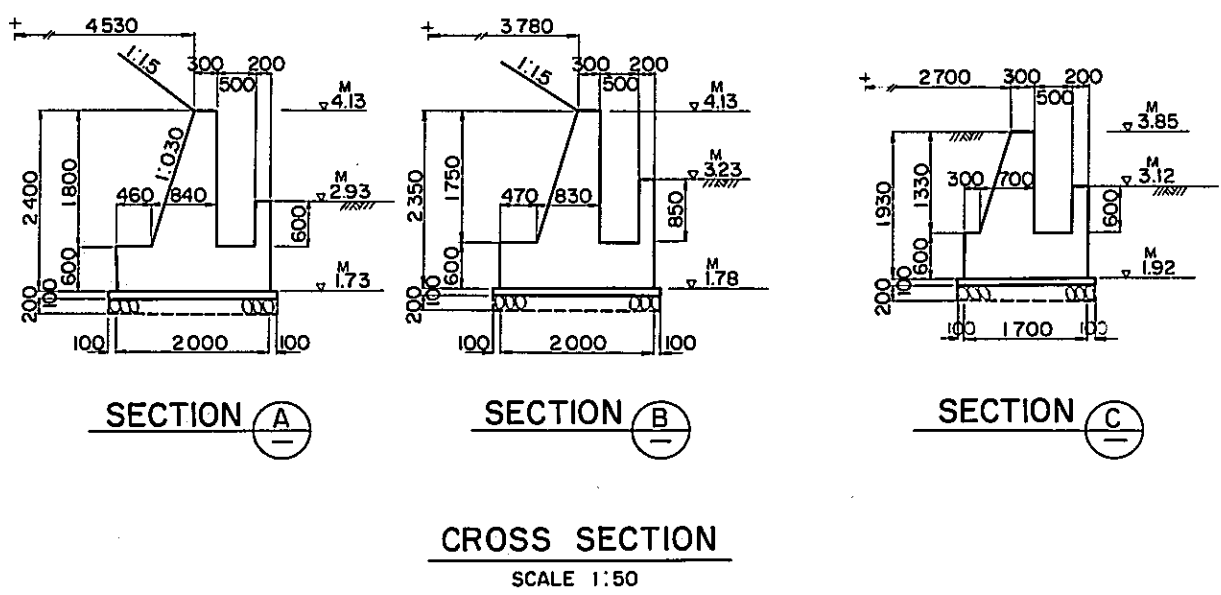
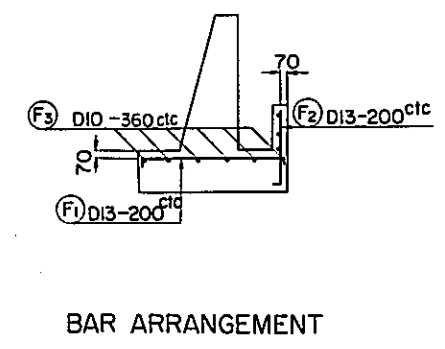
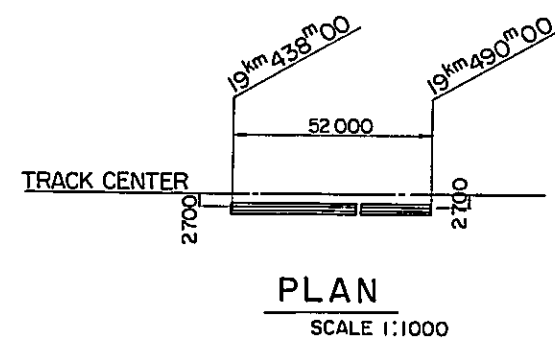
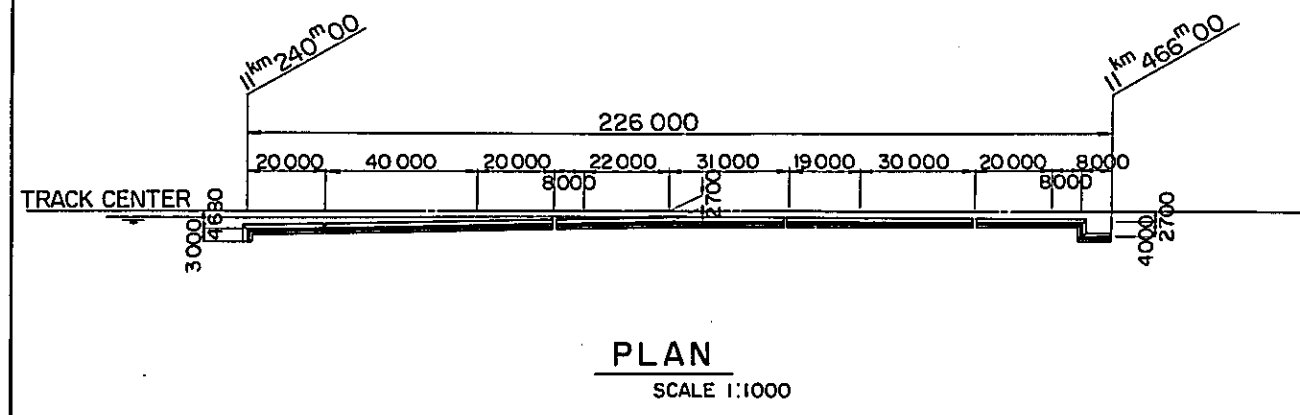
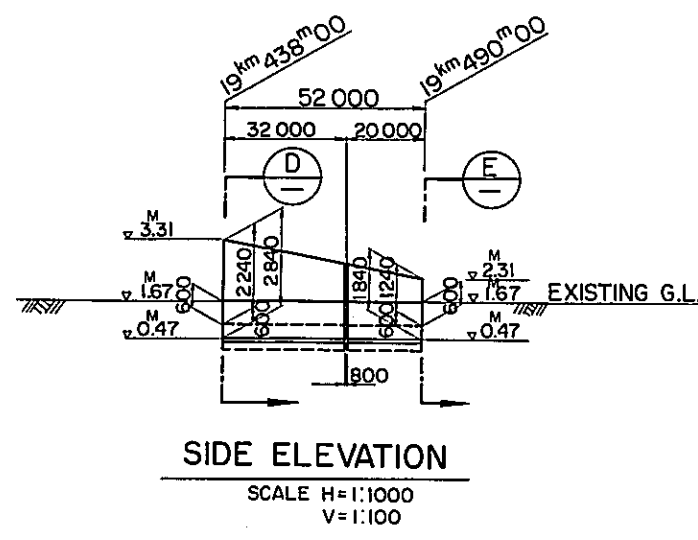
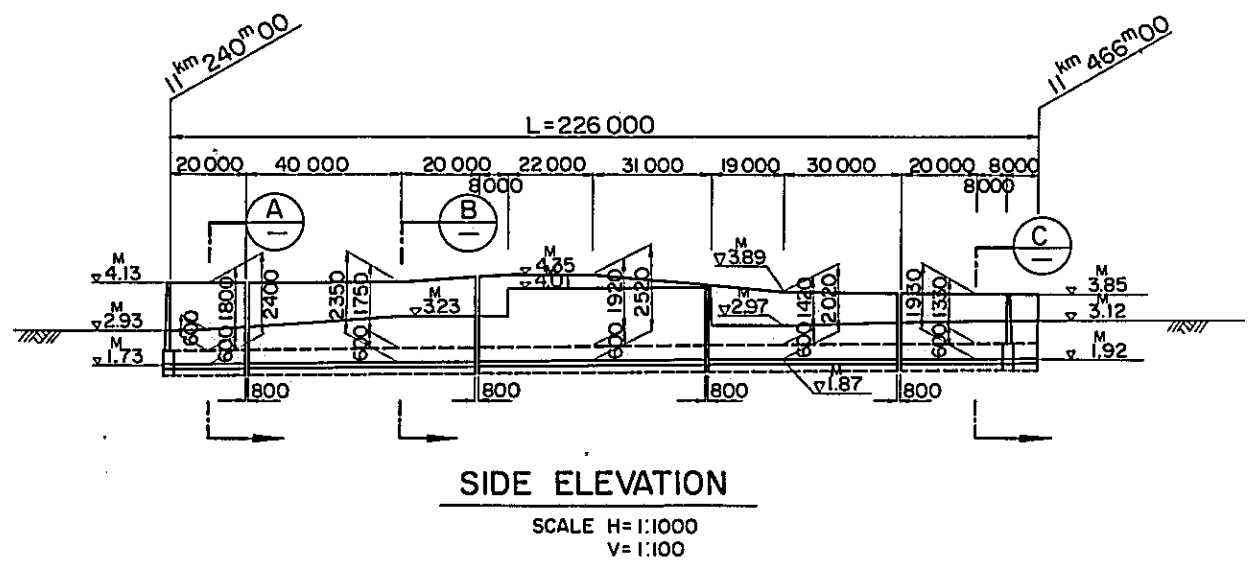
NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.



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)						
2	1. AUG. 84	T.N.	T.T	I.M	K.M	A.K
A	15 FEB. 84	T.N.	T.T	I.M	K.M	A.K
REVISIONS	DATE	DRAWN	CHECKED	REVIEWED	SUBMITTED	
DETAILS OF EMBANKMENT AT ABUTMENTS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:60			DRAWING NO: CE-008			



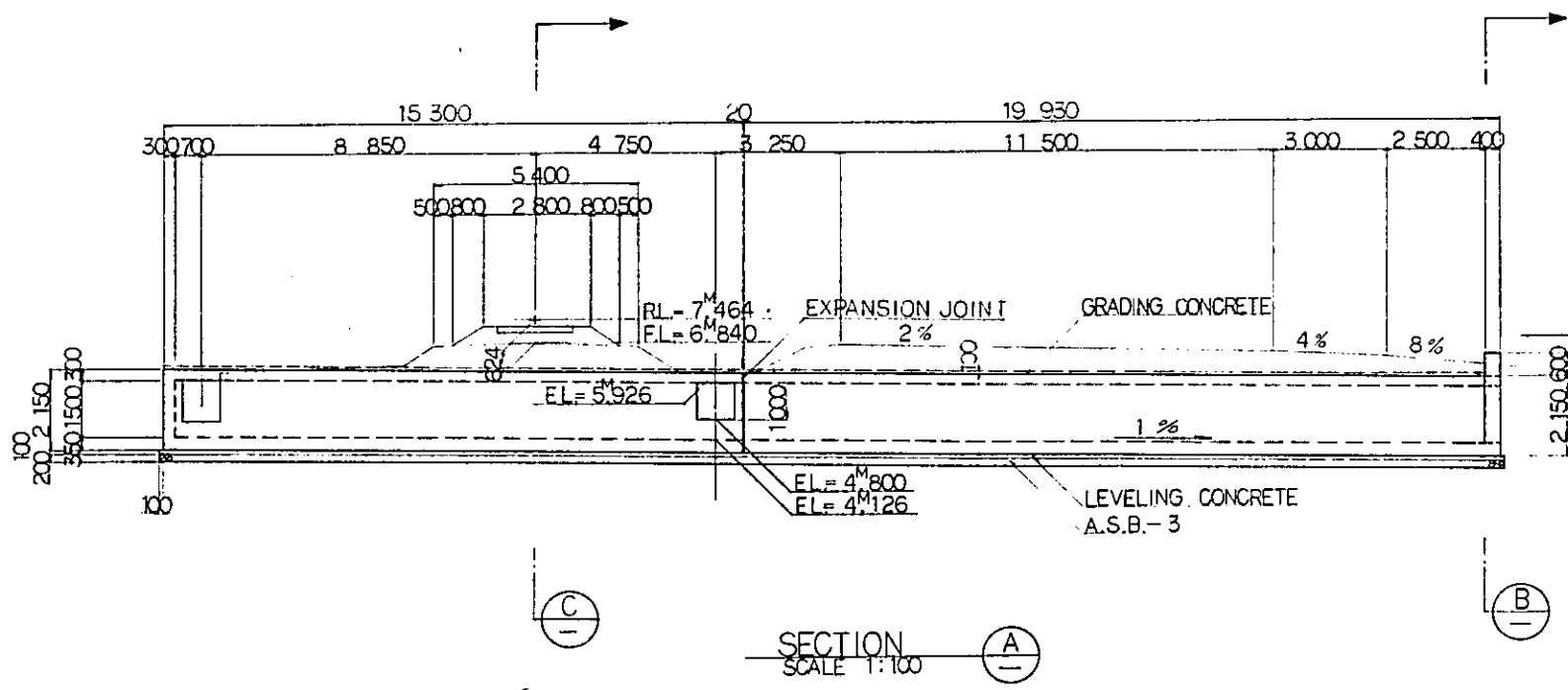
NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.



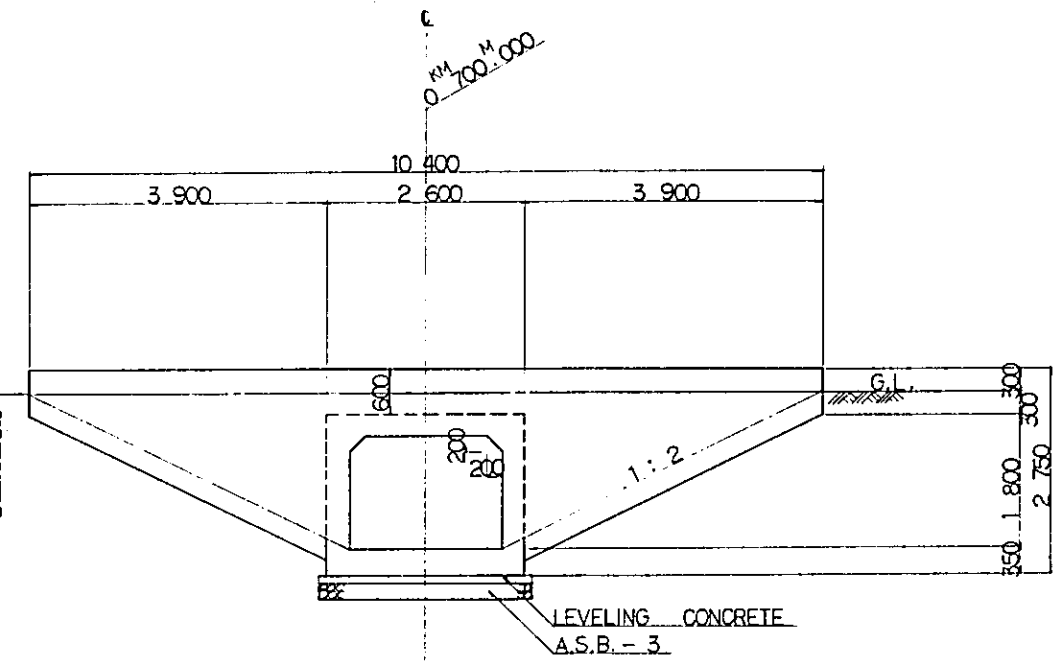
INTERVAL OF EXPANSION JOINTS SHALL BE LESS THAN 10^m

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)						
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '84	T.H.	T.T.	I.M.	K.M.	M.K.
A	15 FEB '84	T.H.	T.T.	I.M.	K.M.	M.K.
PACKAGE: I CIVIL AND ARCHITECTURAL WORK SCALE: AS NOTED DRAWING NO: CE-009						

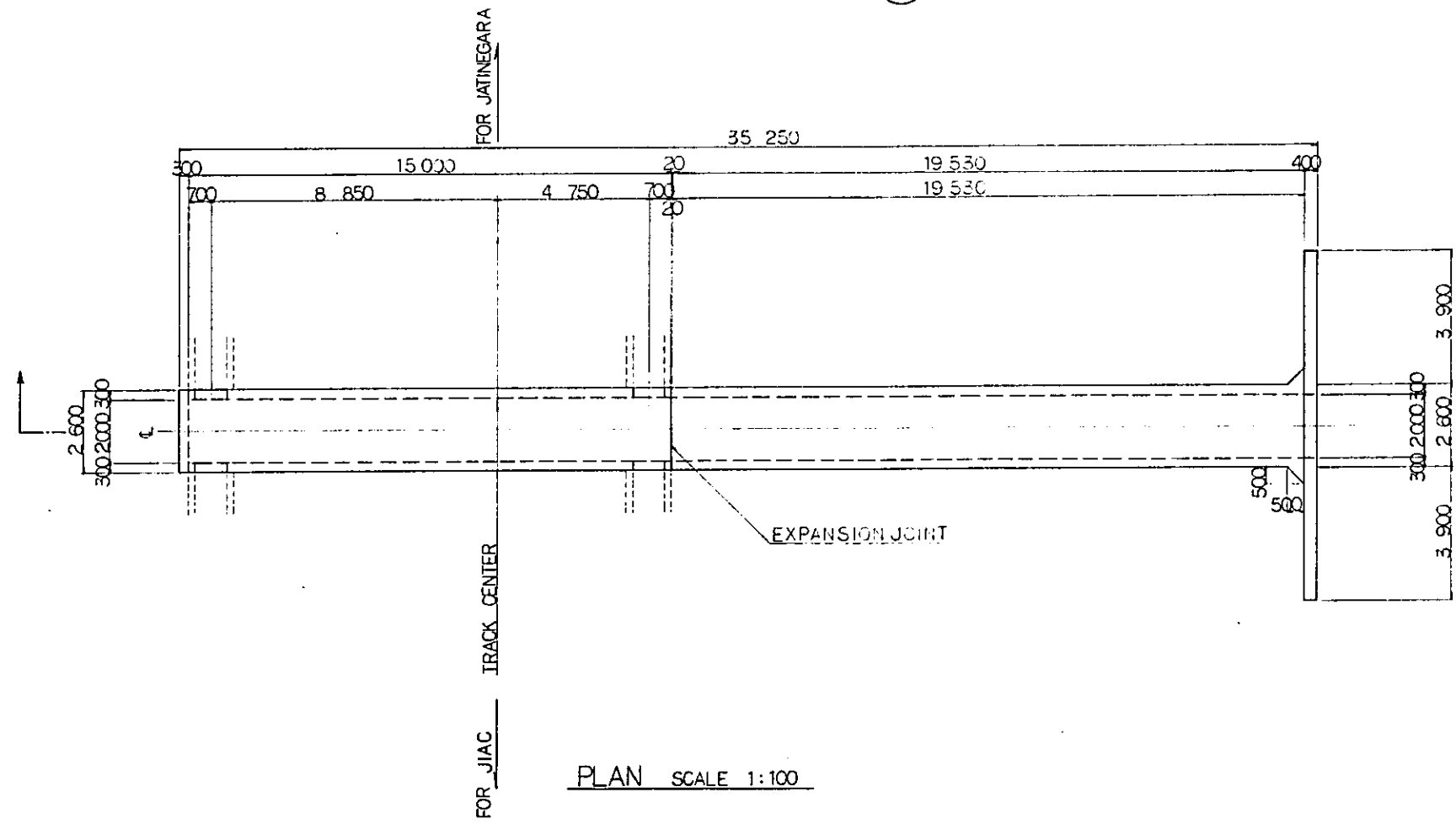
DETAILS OF RETAINING WALL
AT STA. 11^K 240^M AND
STA. 19^K 490^M



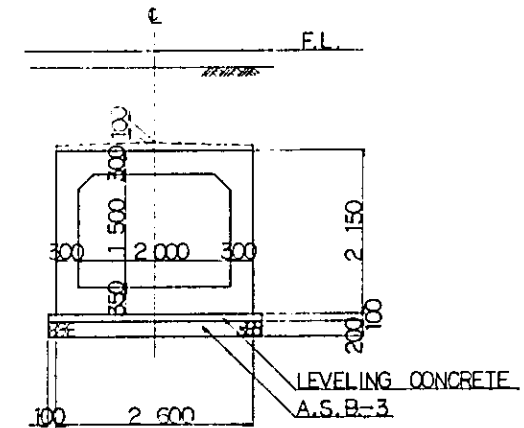
SECTION A
SCALE 1:100



SECTION B
SCALE 1:50



PLAN SCALE 1:100

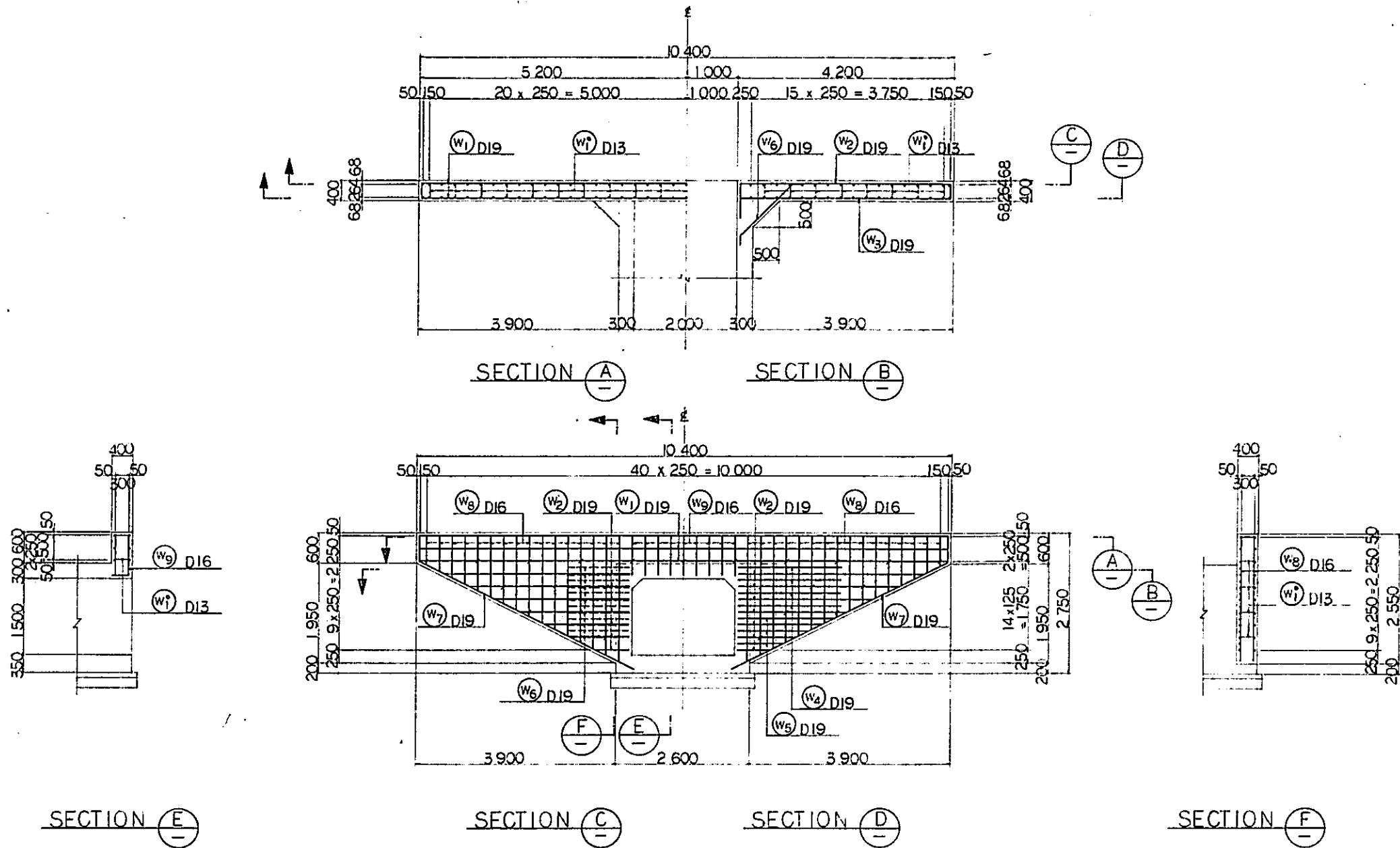


SECTION C
SCALE 1:50

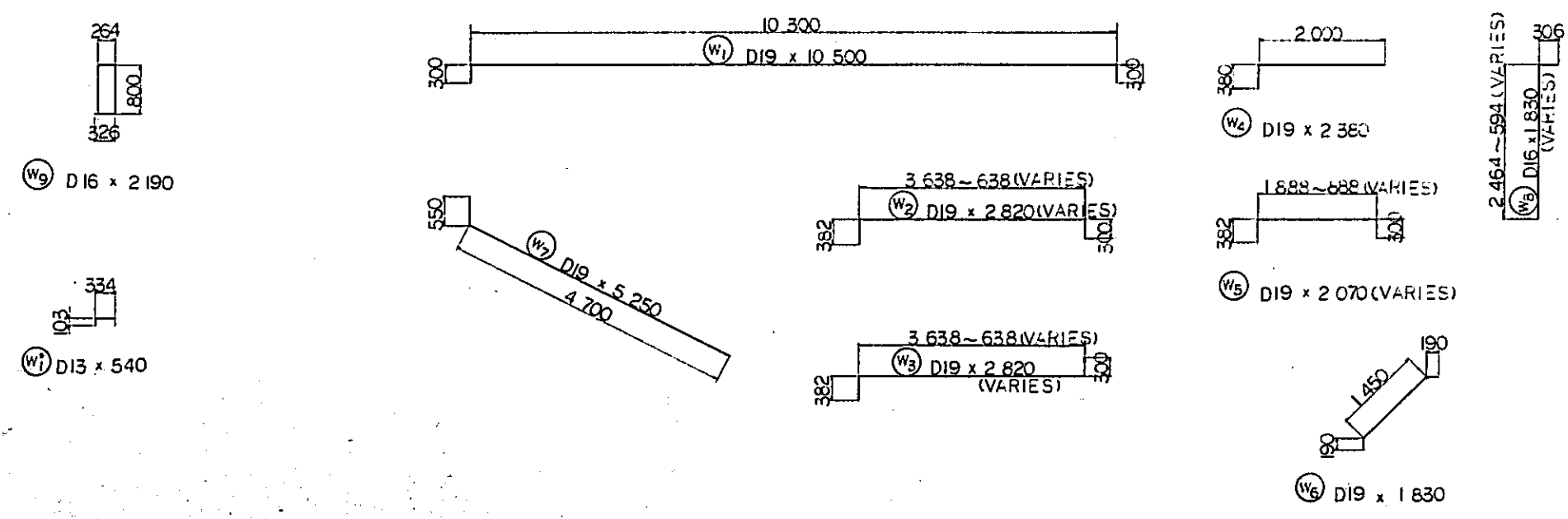
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT : CE-023
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

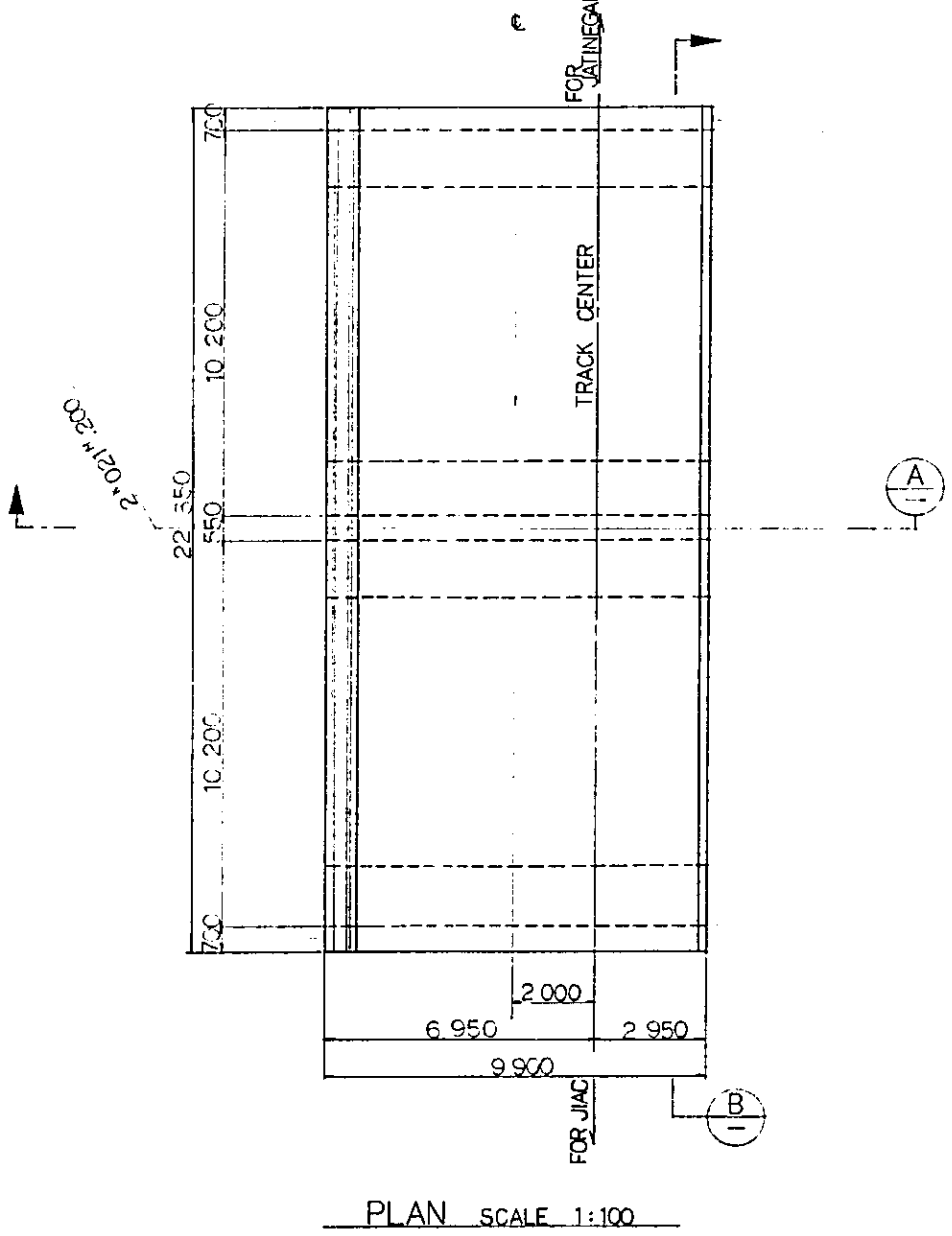
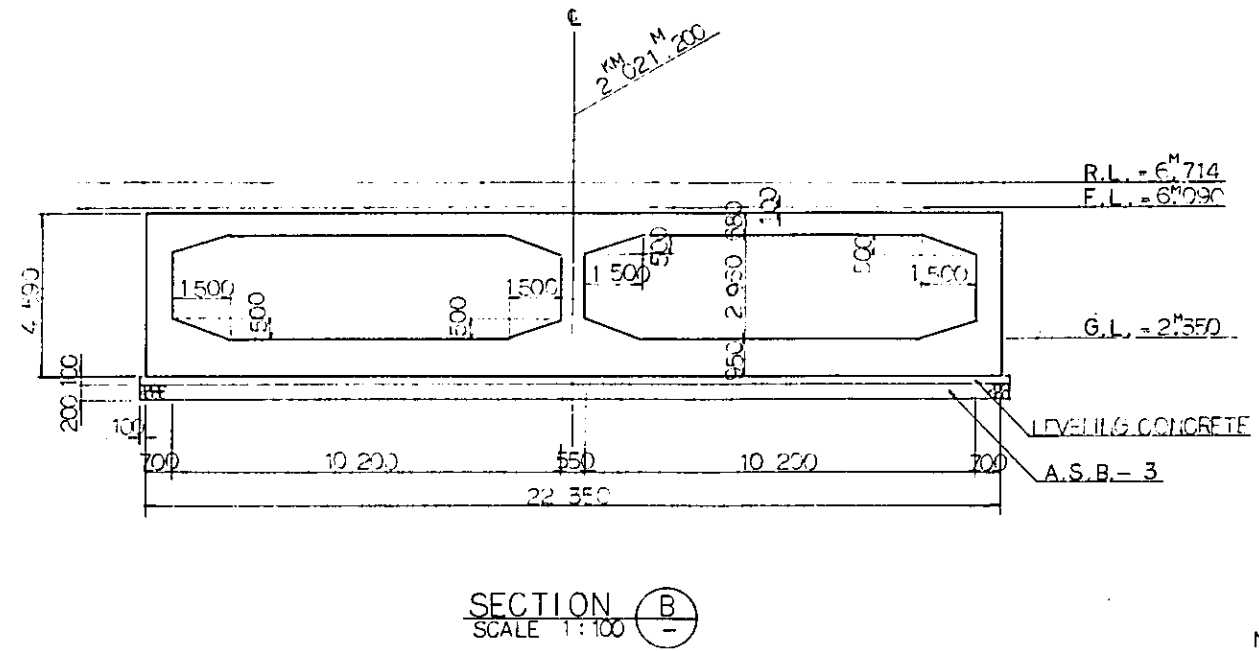
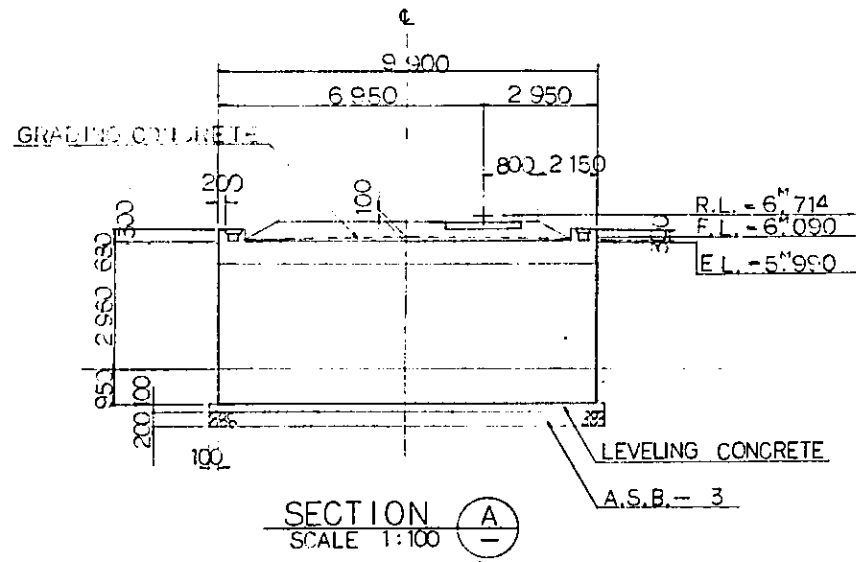
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG '84	SS	HY	KA	KM
A	APR '84	SS	HY	KA	KM
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
BOX CULVERT C600 GENERAL VIEW					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE:	1:50, 100	DRAWING NO. CE-1010			



- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW: CE-010.



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	S.S.	H.Y.	K.A.	K.M.
A	11/28/84	S.S.	H.Y.	K.A.	K.M.
REVISIONS	DATE				
BOX CULVERT: CB00 BAR ARRANGEMENT					
PACKAGE: I. CIVIL AND ARCHITECTURAL WORK					
SCALE	1:50	DRAWING NO.	CE-011		



DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO RS-16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONTRIBUTOR OF DESIGN CRITERIA STRENGTH	$\sigma_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT : CE-013
 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 CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

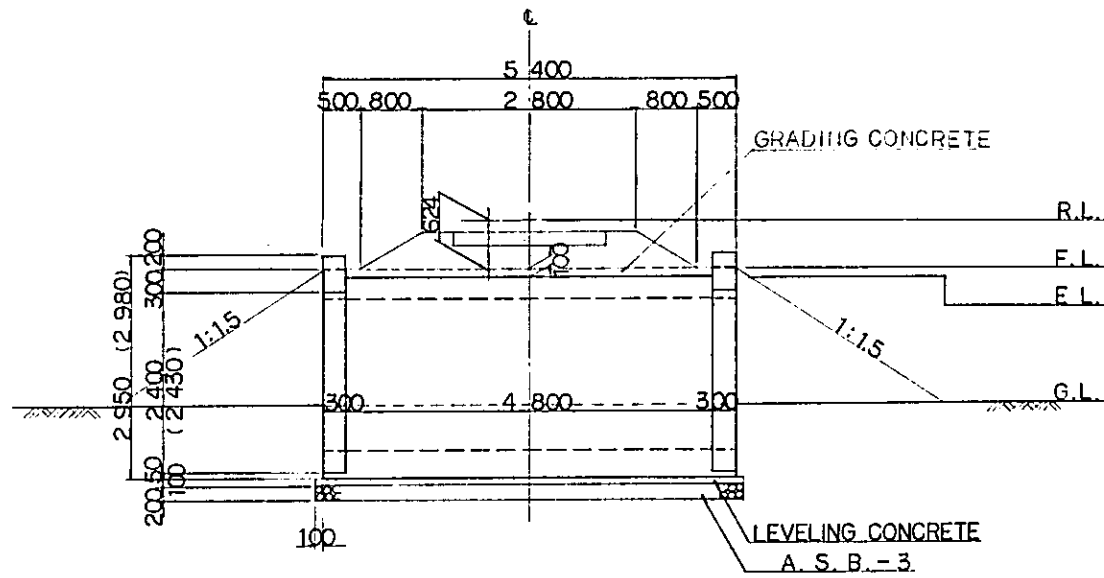
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

B	1 AUG 84	SS	MY	KD	KM	KK
A	REFER DE	SS	MY	KD	KM	KK

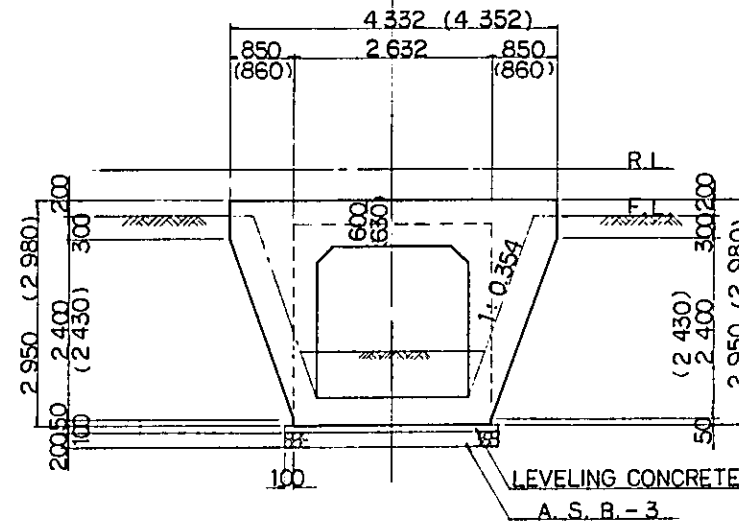
REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

BOX CULVERT Cb01
 GENERAL VIEW

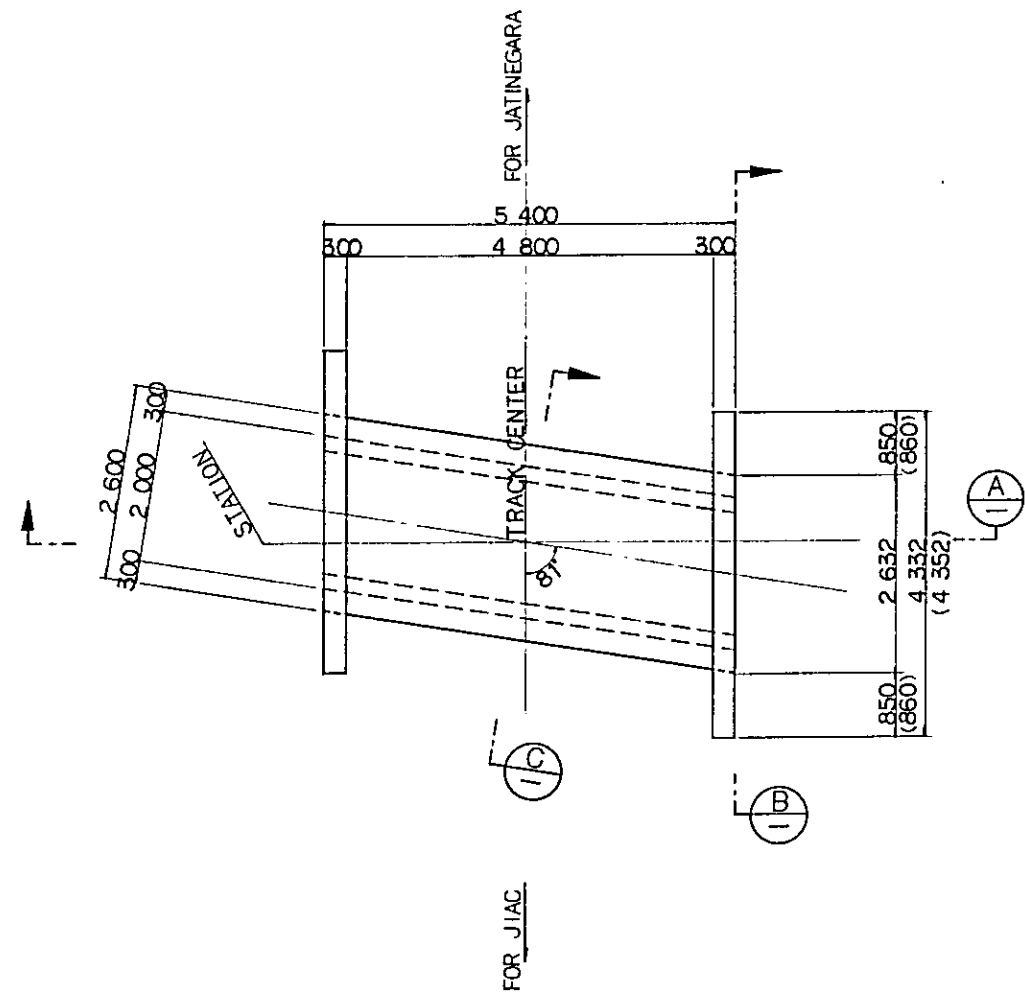
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:100 DRAWING NO: CE-012



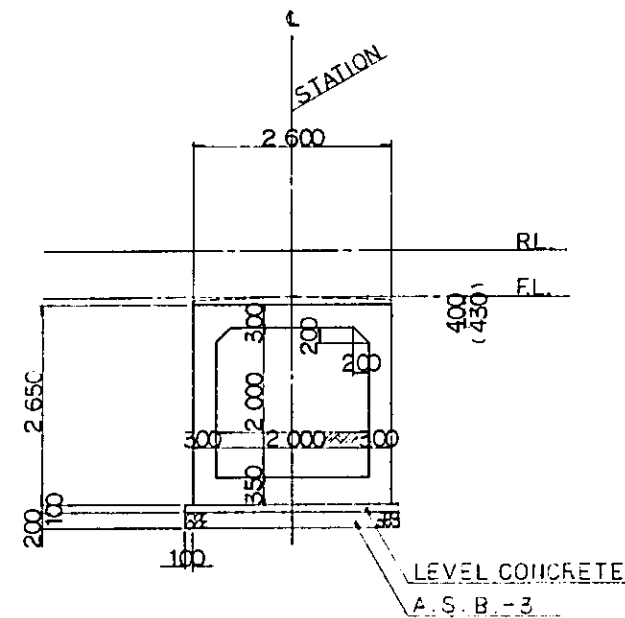
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50



SECTION C
SCALE 1:50

DIMENSIONS SCHEDULE

NO.	STATION	R.L.	F.L.	E.L.	G.L.
Cb 02	2 ^m 466 ^m 000	6 ^m 714	6 ^m 090	5 ^m 990	4 ^m 290
Cb 03	2 ^m 630 ^m 500	6 ^m 714	6 ^m 090	5 ^m 960	4 ^m 260

DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-1E
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT : CE-019
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 CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1AUG'84	SS	HY	KA	KM	PK
A		SS	HY	KA	KM	PK

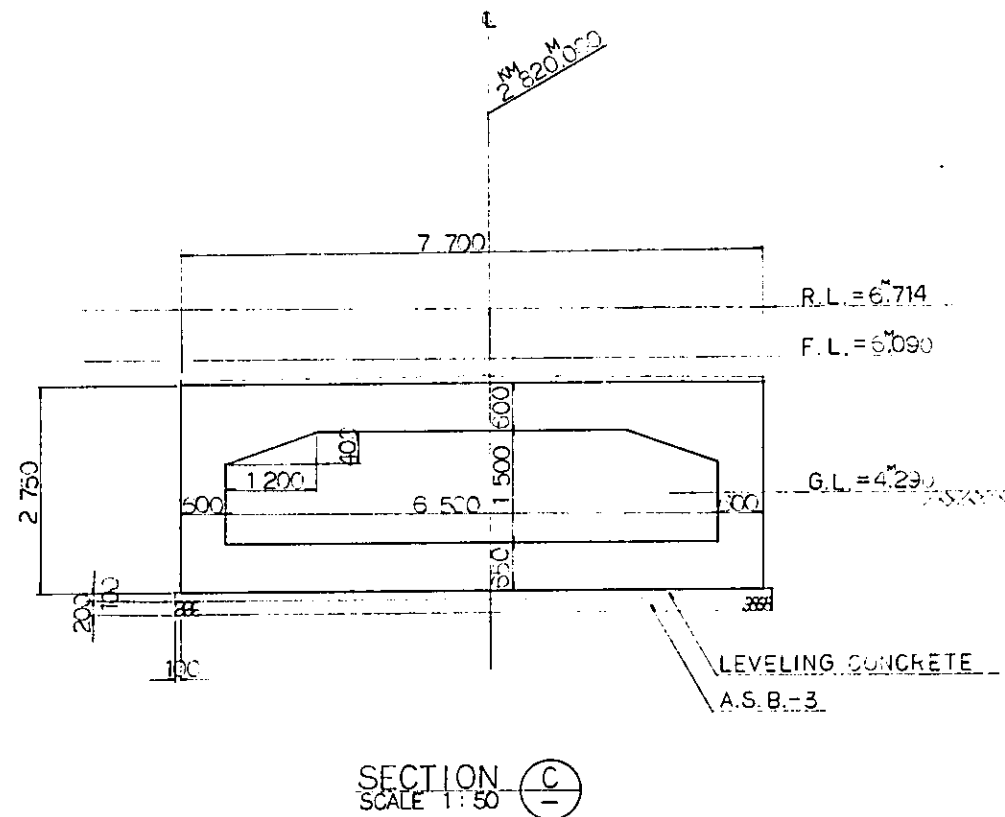
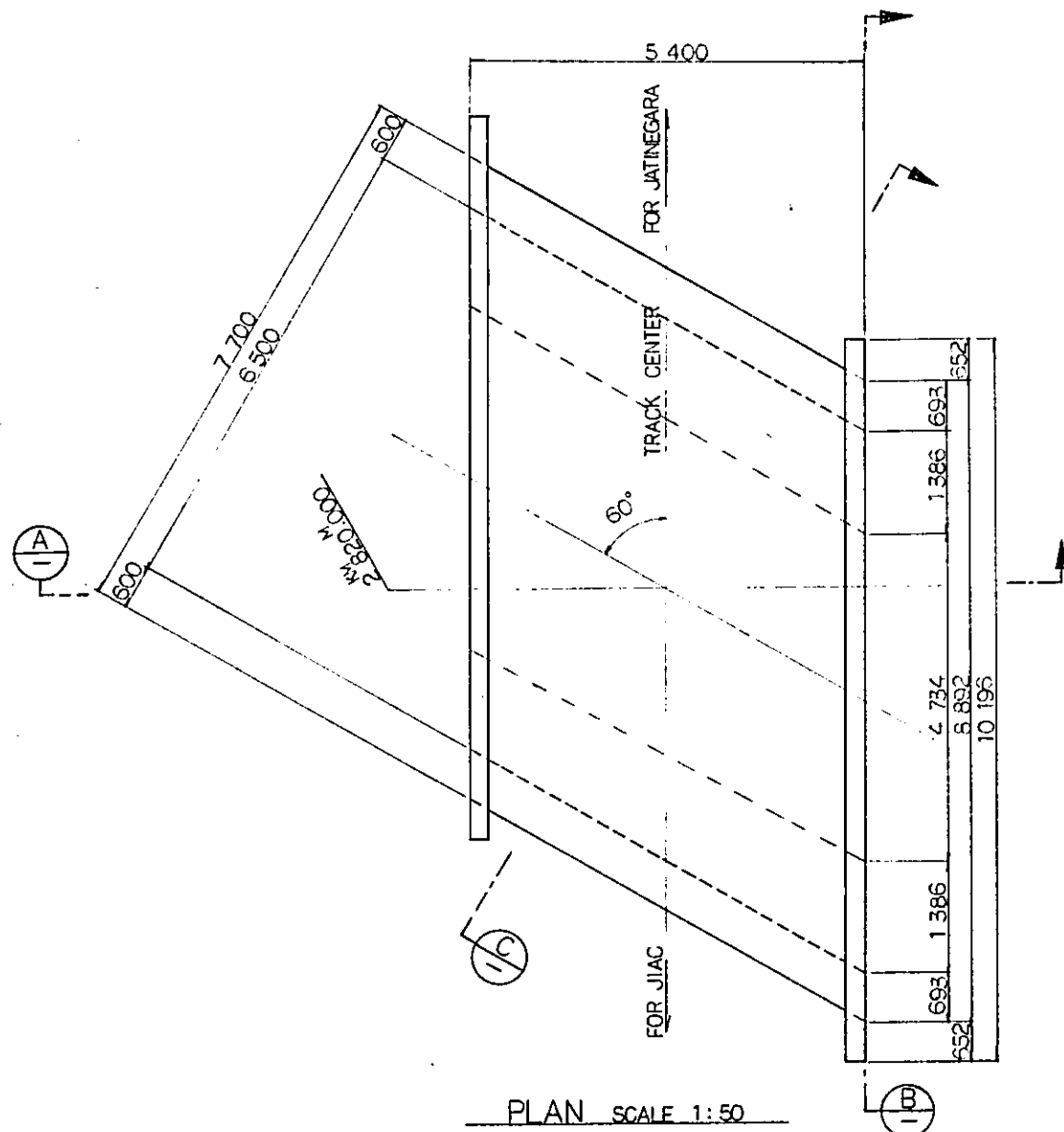
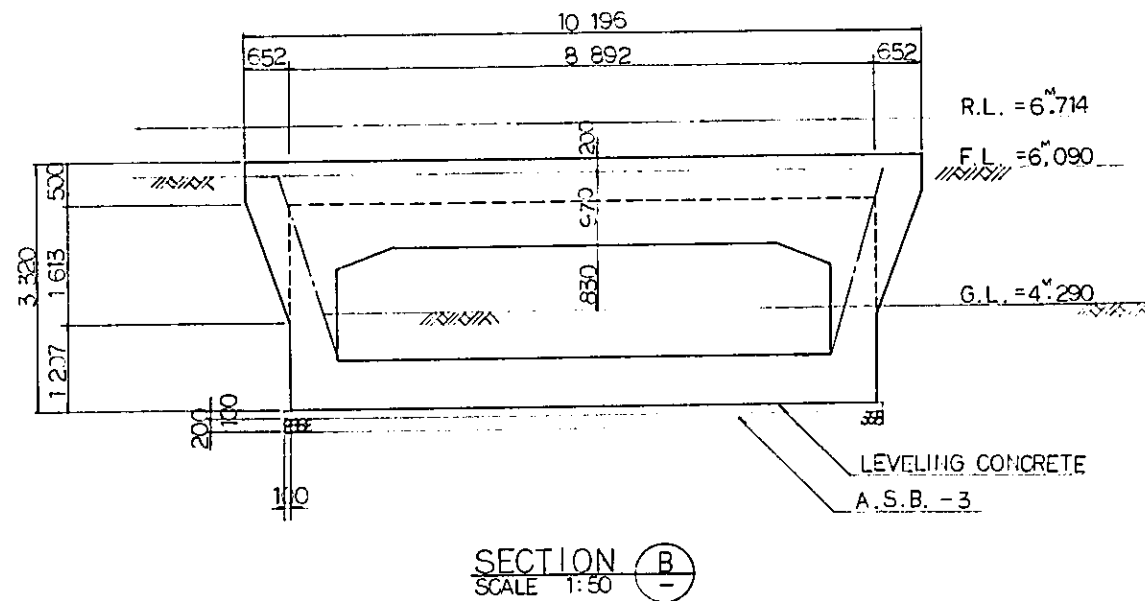
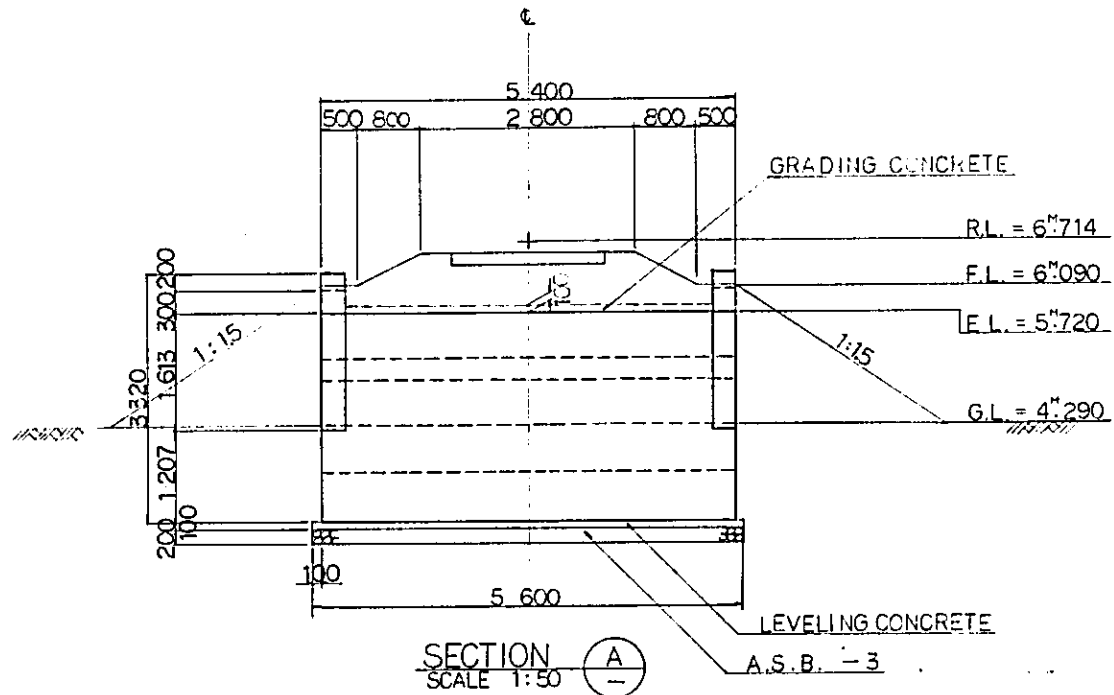
REVISIONS

NO.	DATE	REASON	BY	CHECKED	REVIEWED	SUBMITTED

BOX CULVERT Cb02, Cb03
GENERAL VIEW

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

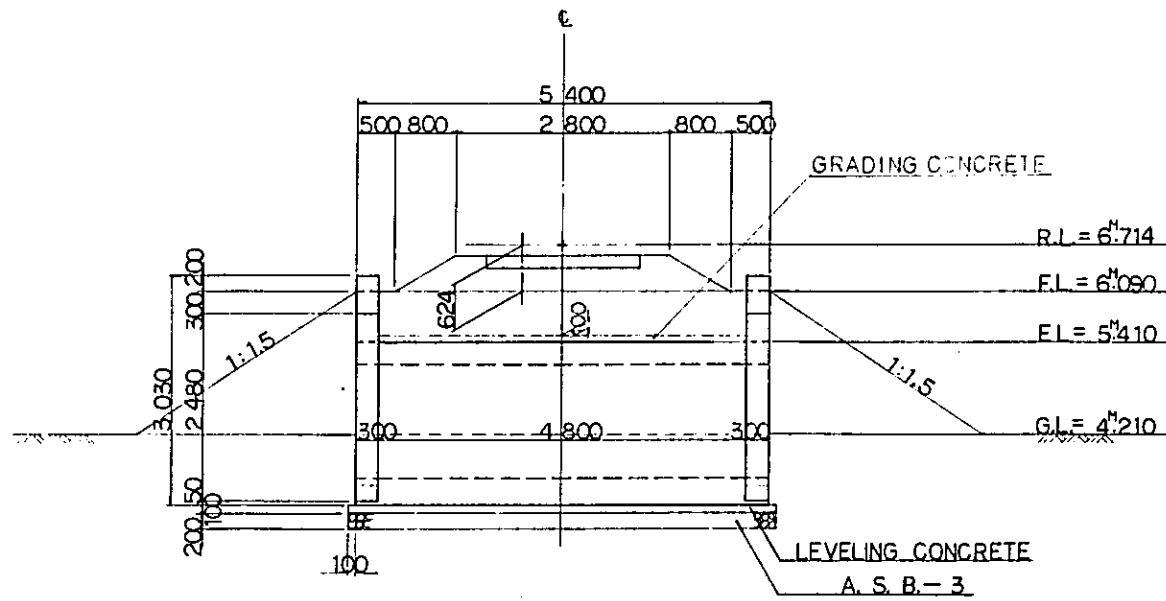
SCALE: 1:50
DRAWING NO: CE-014



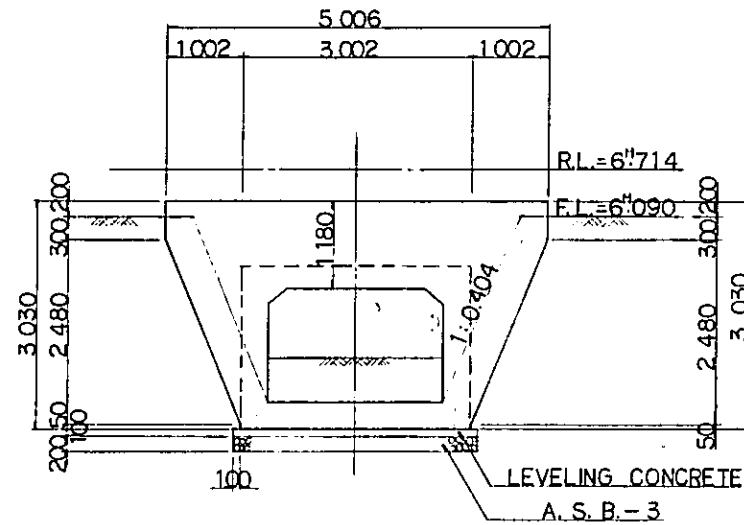
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-016
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

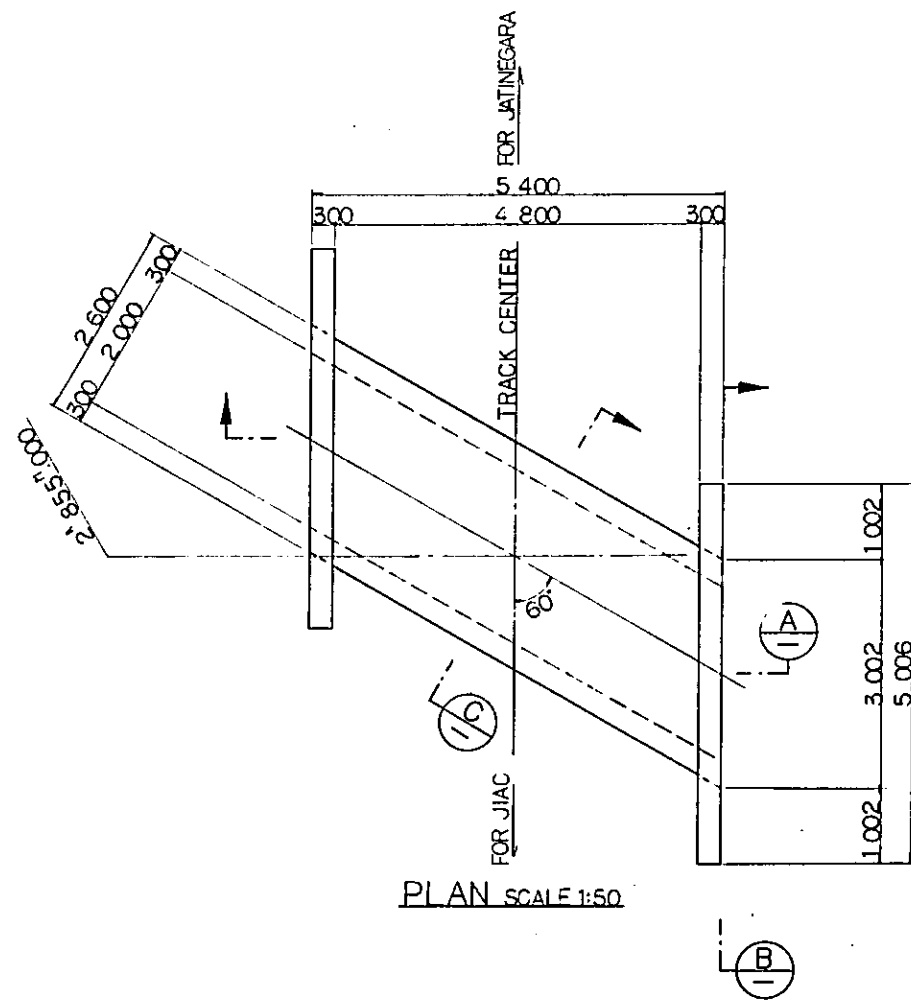
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '84	SS	MY	K.A.	K.M.	M.K.
A	1 FEB '84	SS	MY	K.A.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
BOX CULVERT C604 GENERAL VIEW						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:50	CE-015					



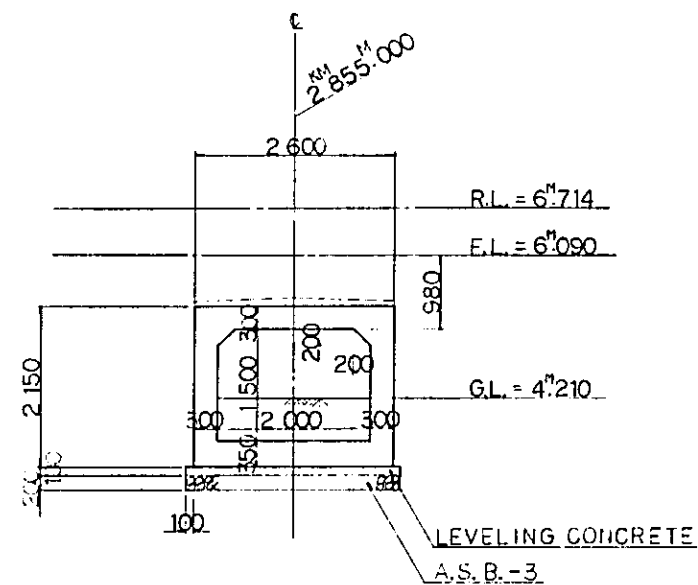
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50



SECTION C
SCALE 1:50

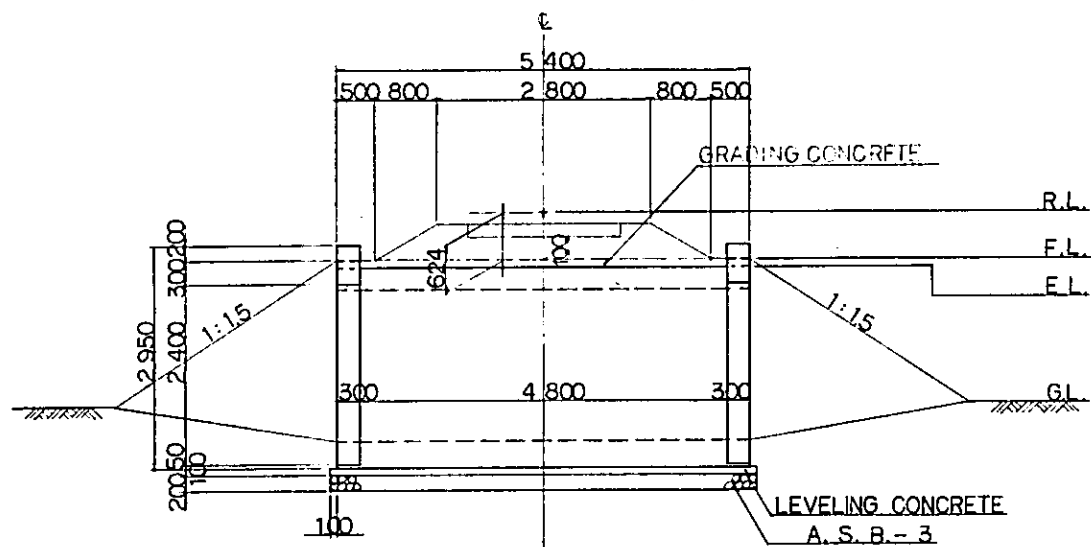
DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 98 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	C _{ck} = 240 kg/cm ²
	MAX SIZE OF COARSE AGGREGATE	25 mm

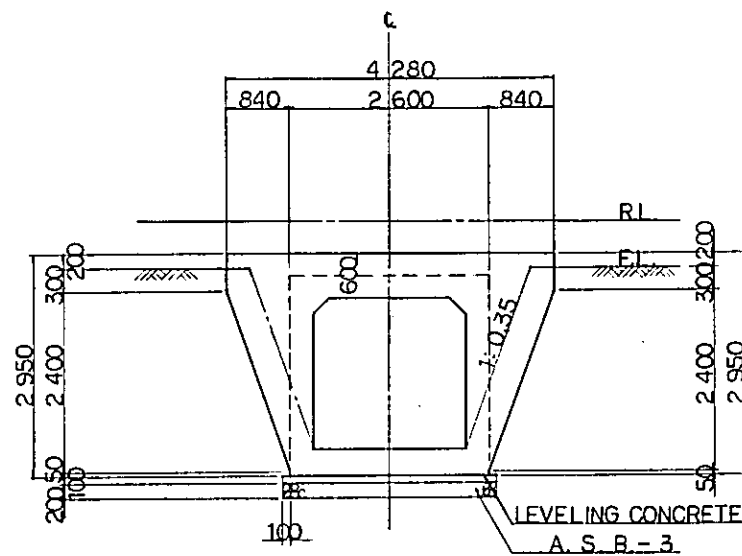
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGMENT: CE-023
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 CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG'84	S.S.H.Y.	K.A.	K.M.	K.
A	11FEB'84	S.S.H.Y.	K.A.	K.M.	K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
BOX CULVERT Cb05 GENERAL VIEW					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	1:50	DRAWING NO.	CE-017		



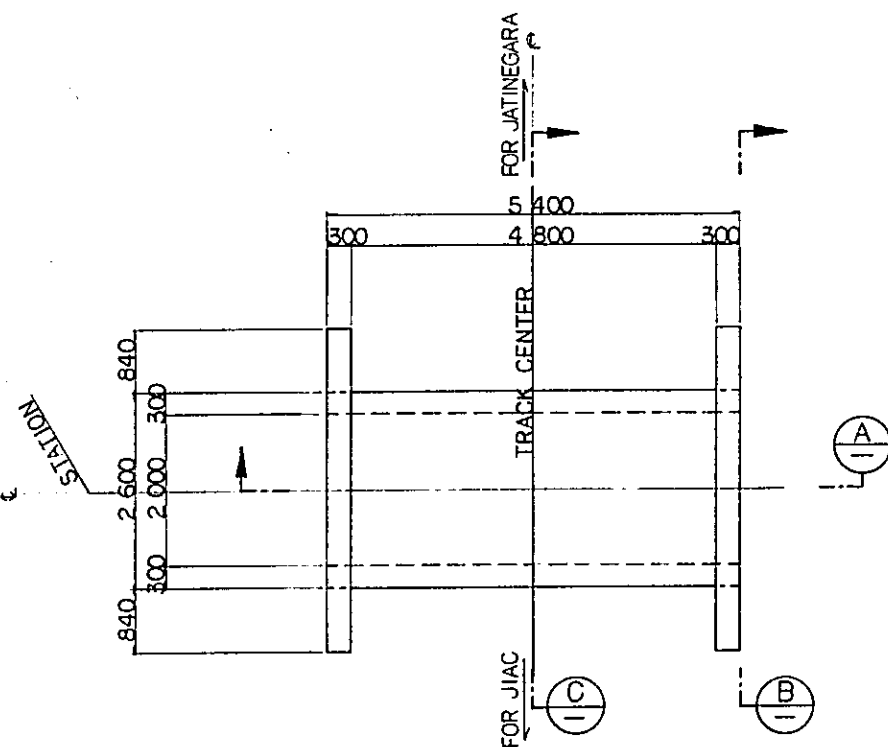
SECTION A
SCALE 1:50



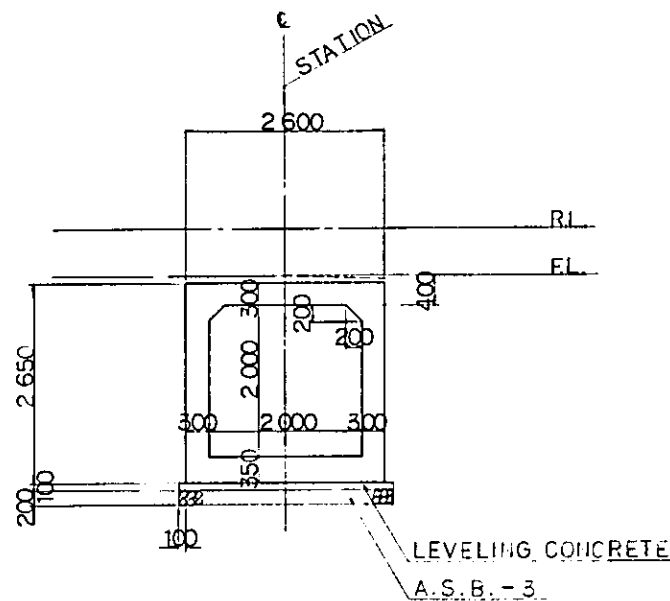
SECTION B
SCALE 1:50

DIMENSIONS SCHEDULE

NO.	STATION	R.L.	E.L.	E.L.	G.L.
Cb.06	3+600.000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .350
Cb.07	4+250.000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .450
Cb.08	4+750.000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .340
Cb.09	5+050.000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .390
Cb.11	5+800.000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .370
Cb.26	12+800.000	3 ^m .474	2 ^m .850	2 ^m .750	0 ^m .650
Cb.28	10+626.000	5 ^m .214	4 ^m .590	4 ^m .490	2 ^m .470



PLAN SCALE 1:50



SECTION C
SCALE 1:50

DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-10
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25mm

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-019
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 CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

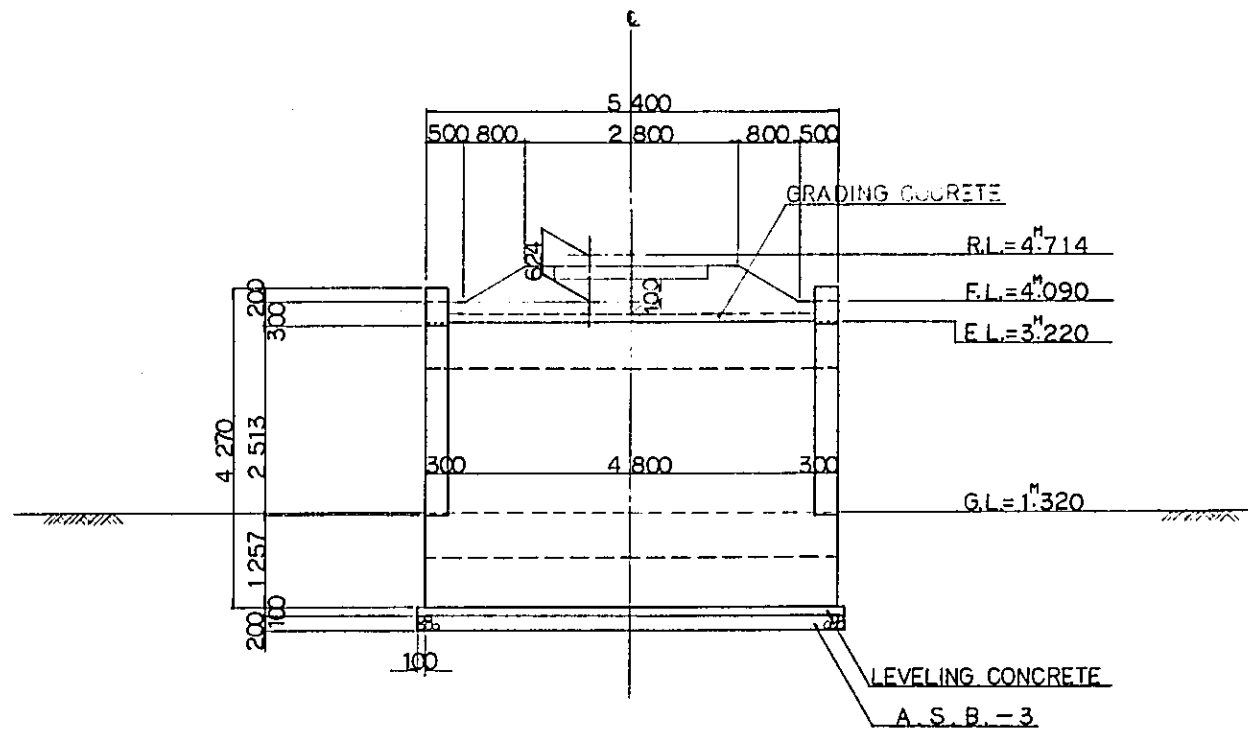
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '84	SS	M.Y.K.A.	K.M.	M.K.	
A	07 SEP '84	SS	M.Y.K.A.	K.M.	M.K.	

BOX CULVERT. Cb.06 ~ Cb.09,
Cb.11, Cb.26, Cb.28

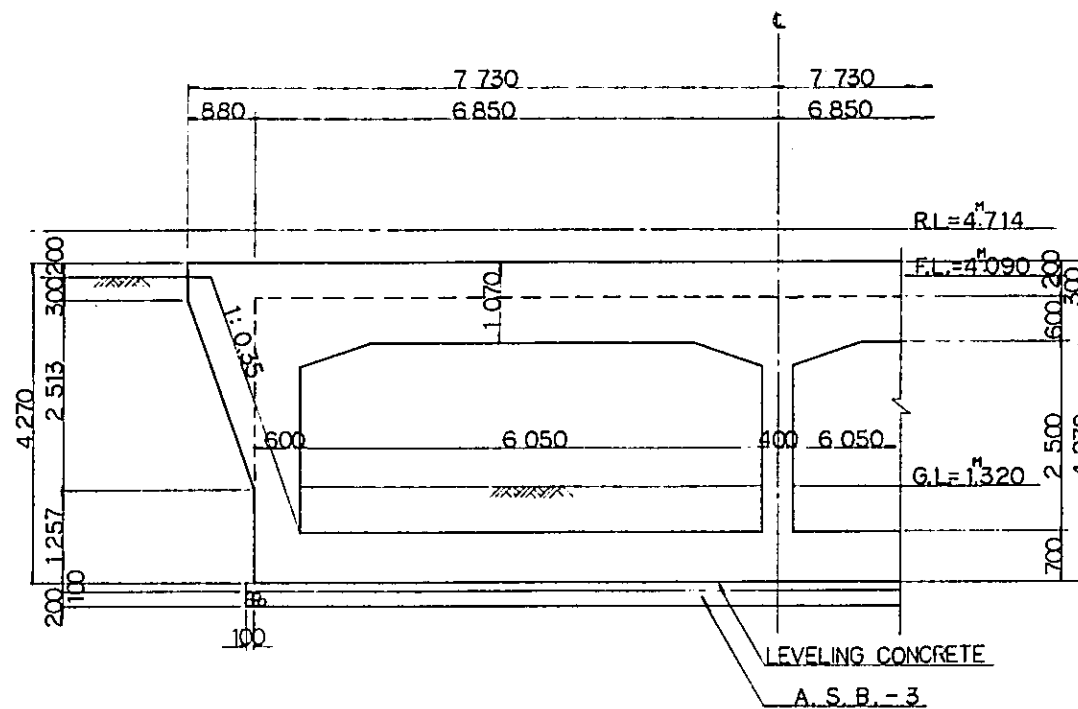
GENERAL VIEW

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

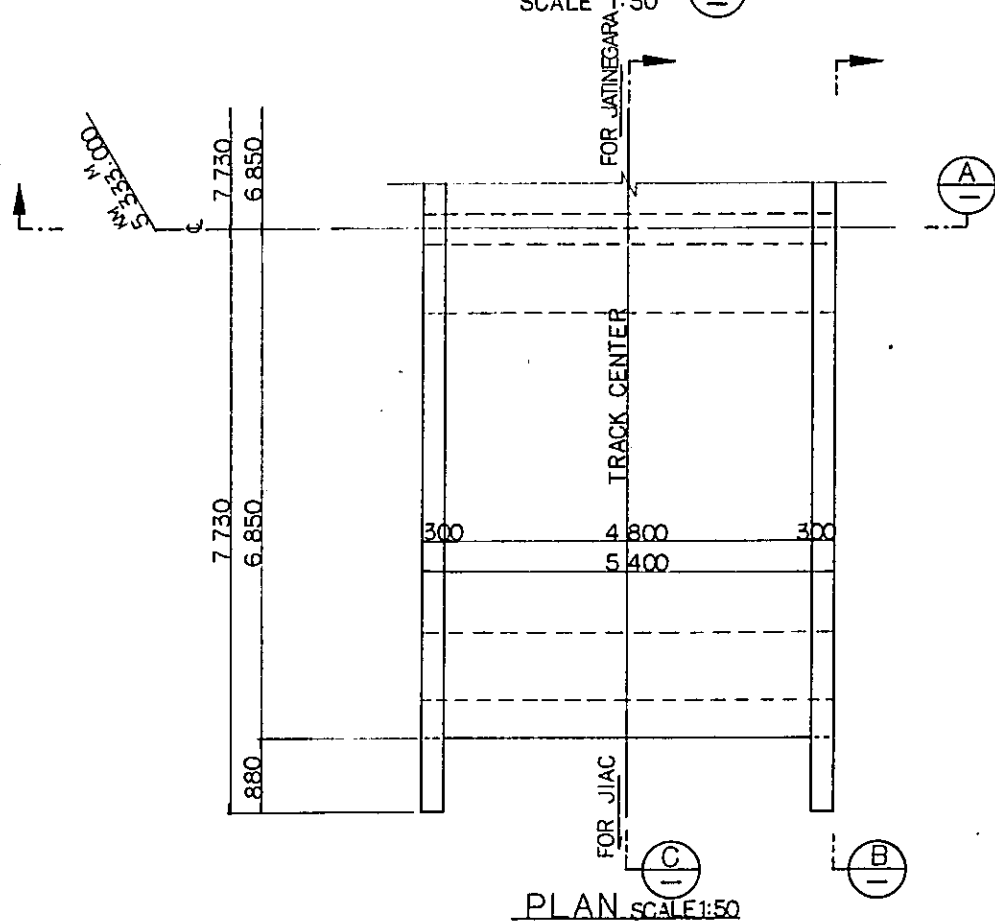
SCALE: 1:50 DRAWING NO: CE-018



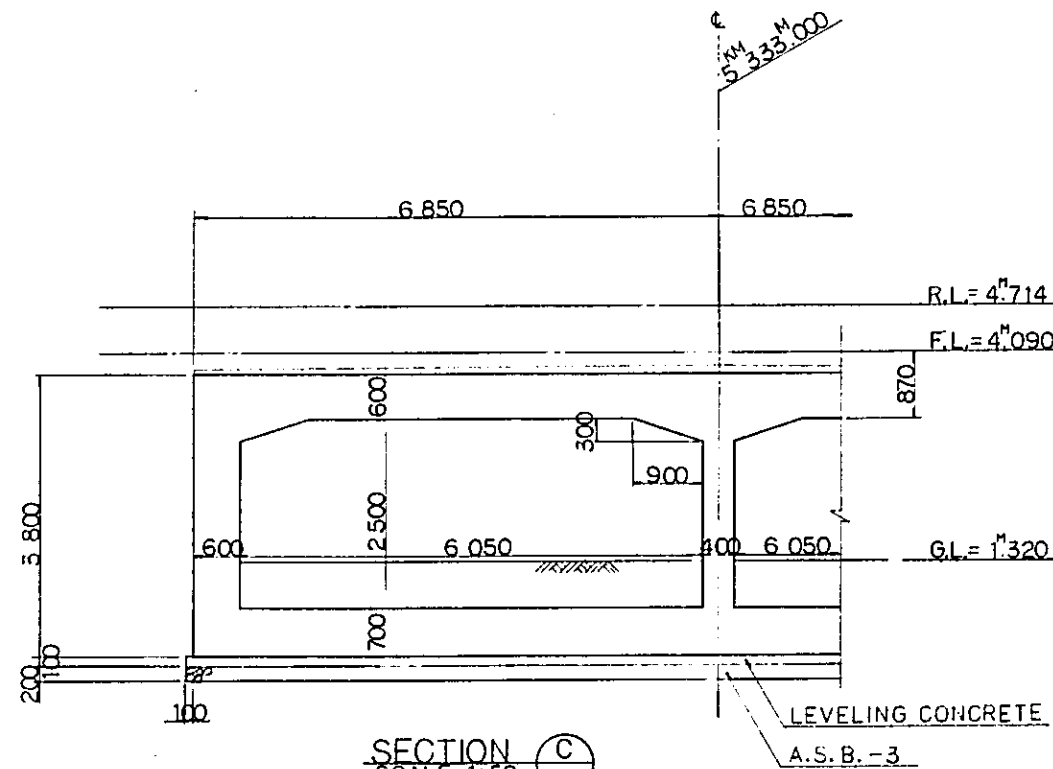
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50



SECTION C
SCALE 1:50

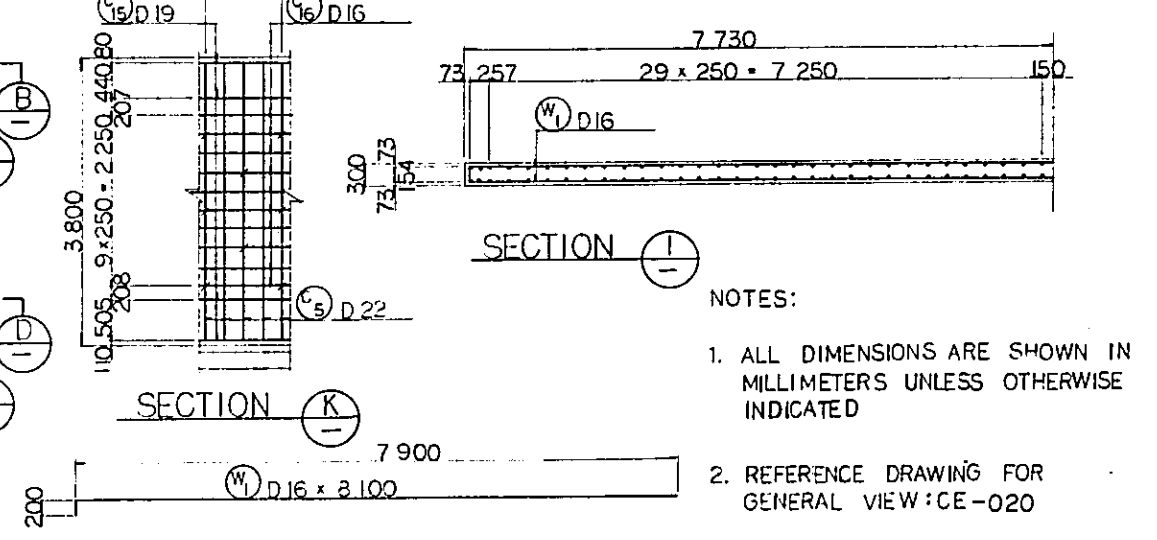
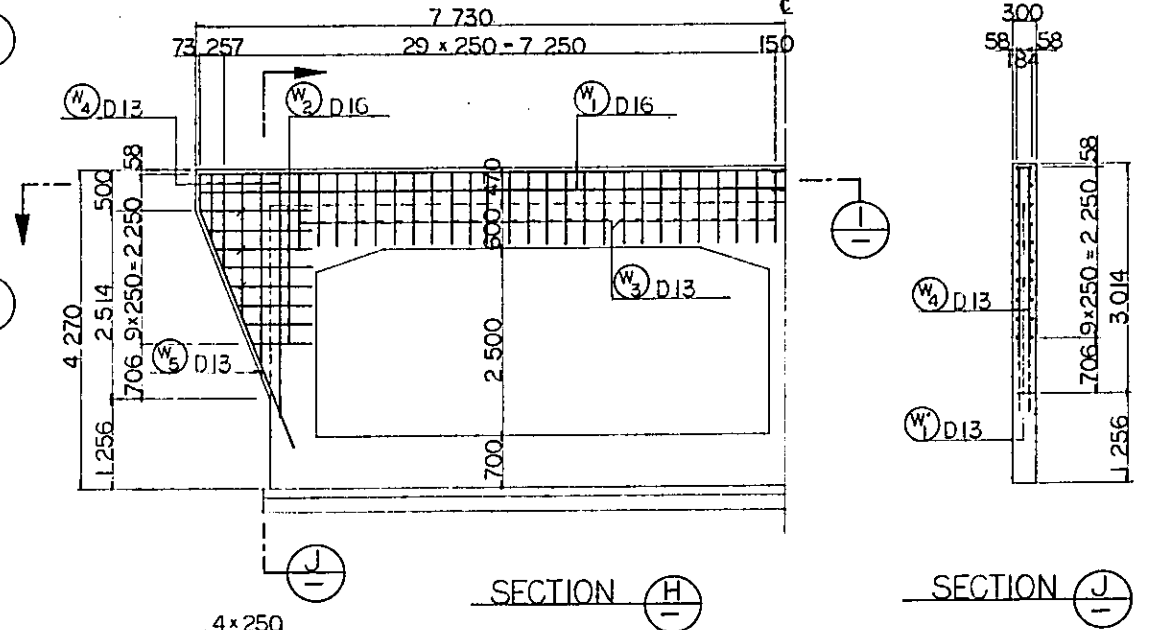
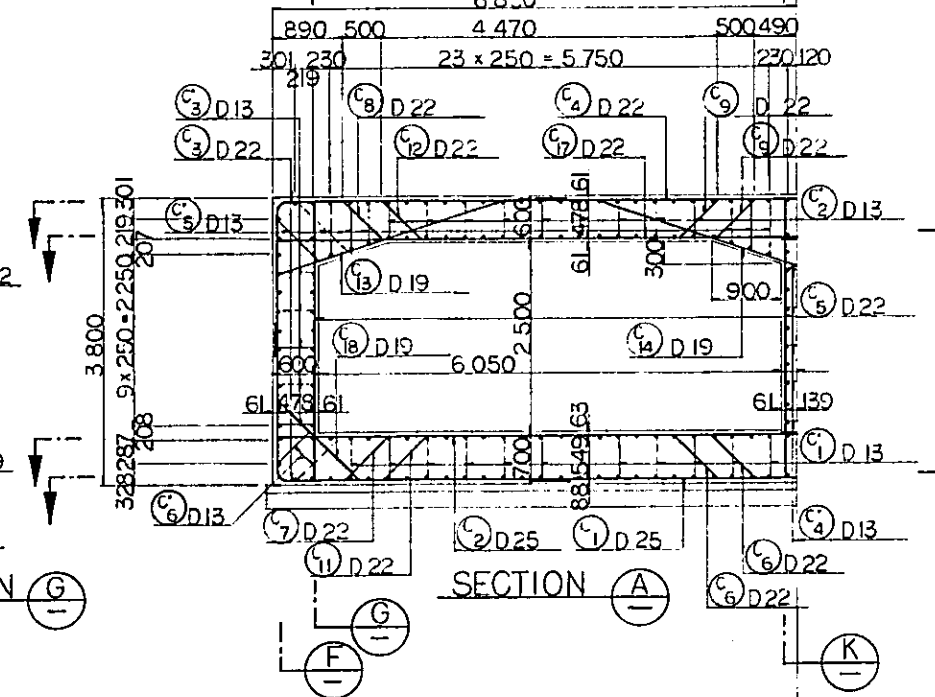
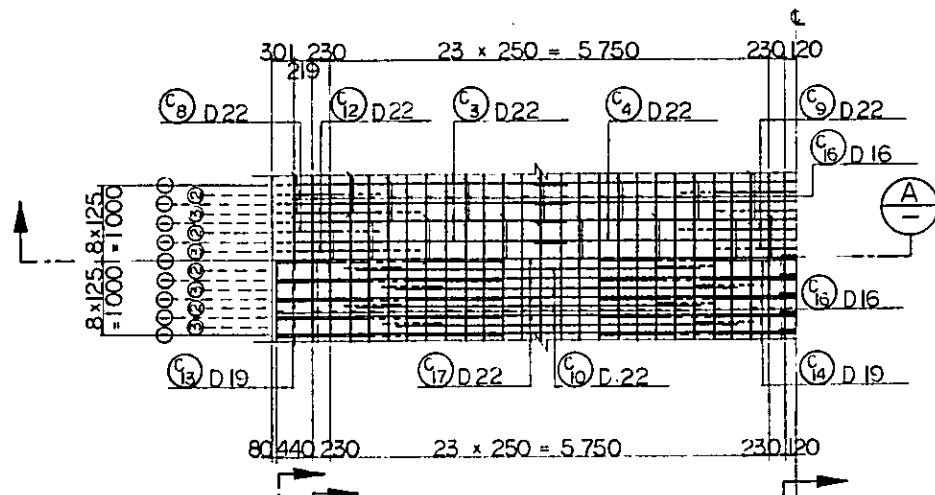
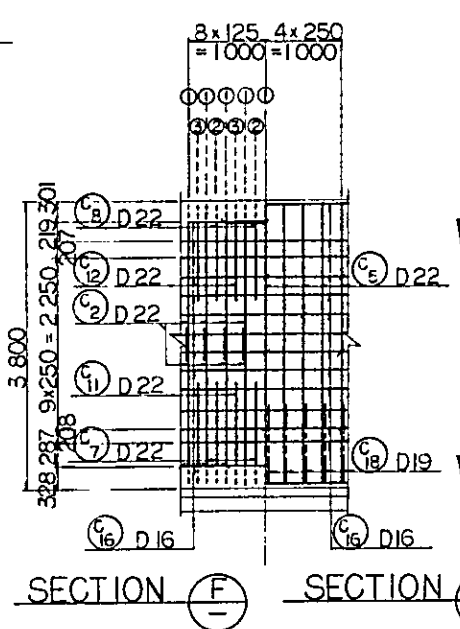
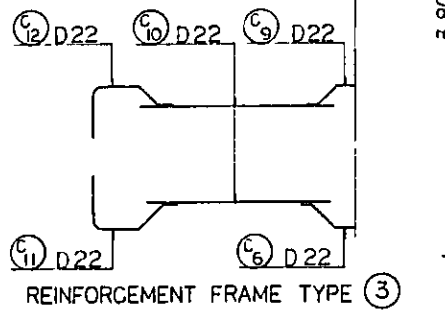
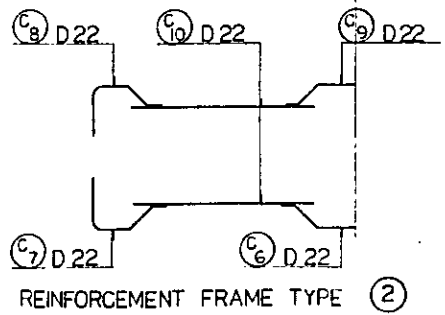
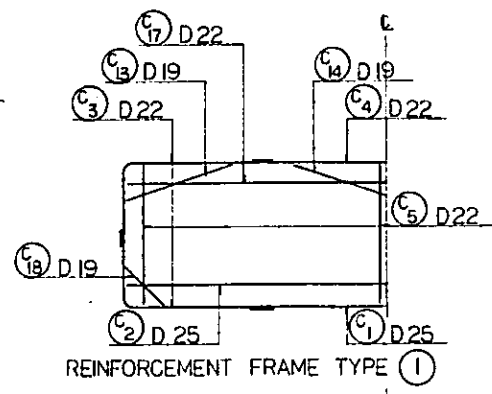
DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_c = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

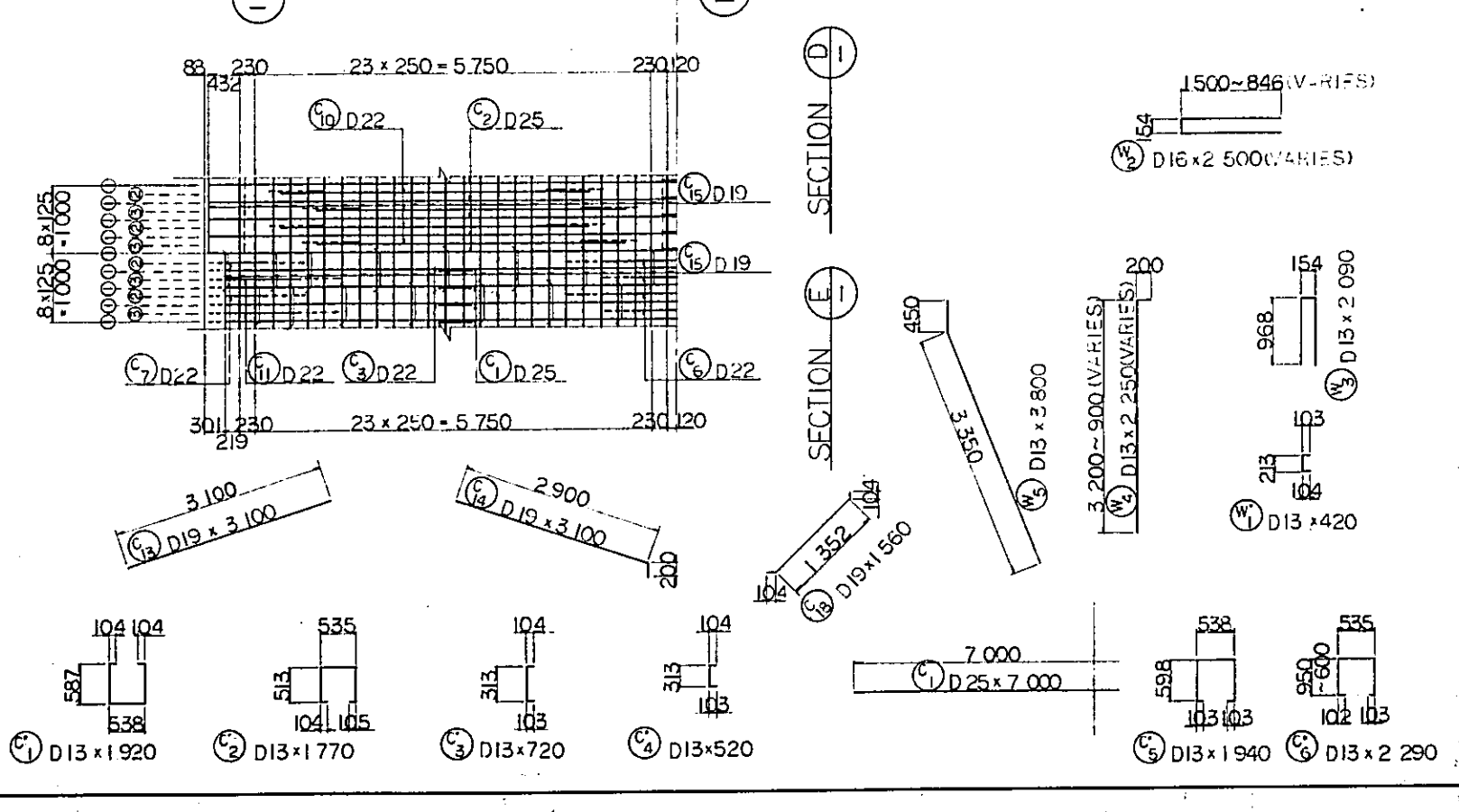
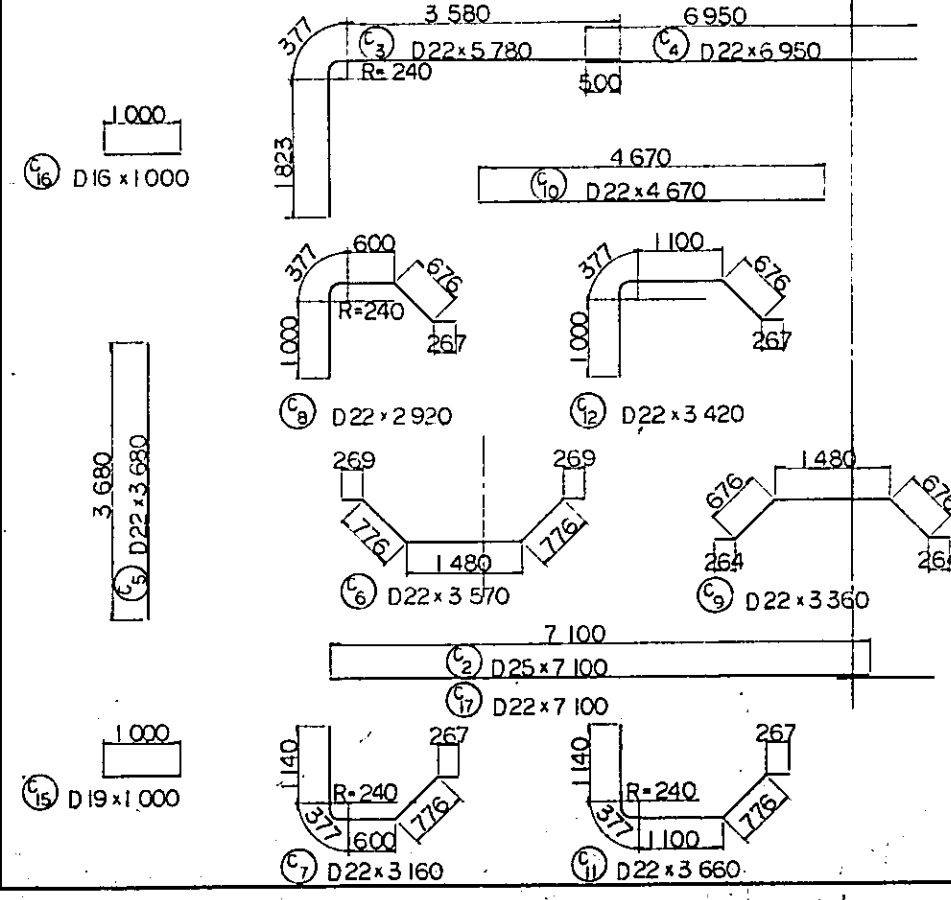
NOTES:

- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
- REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-021
- GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

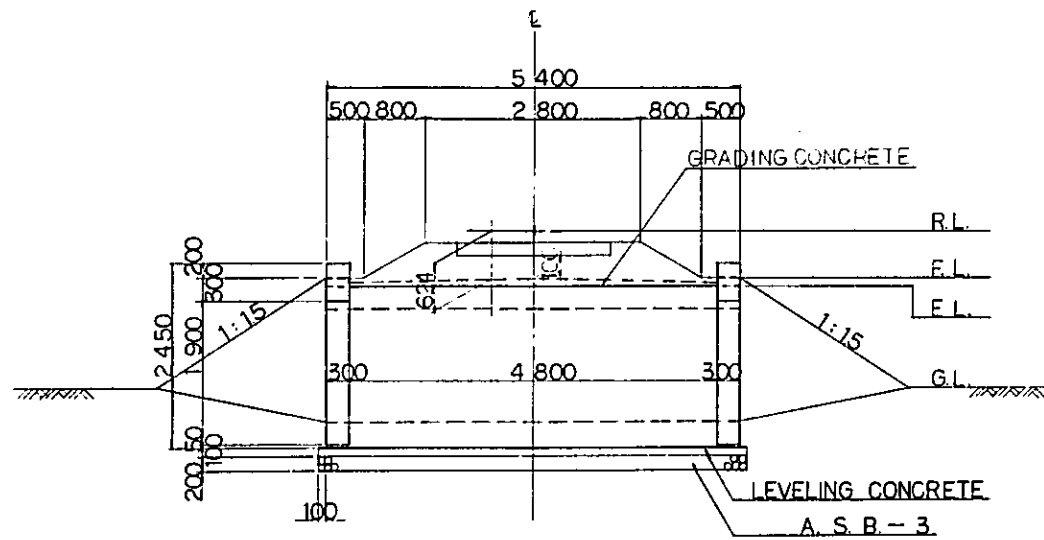
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG '84	S.S.	H.Y.	K.D.	K.M. / K.
A	REVISION	S.S.	M.Y.	K.D.	K.M. / K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED / SUBMITTED
BOX CULVERT Cb10 GENERAL VIEW					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	1:50	DRAWING NO.		CE-020	



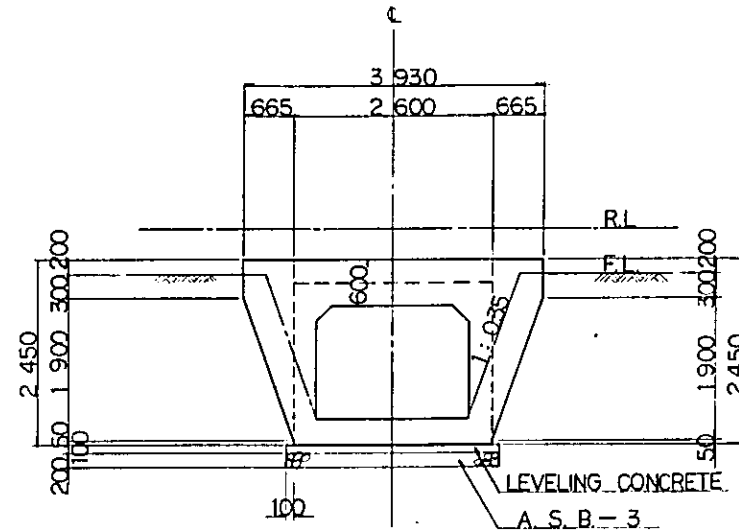
- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW: CE-020



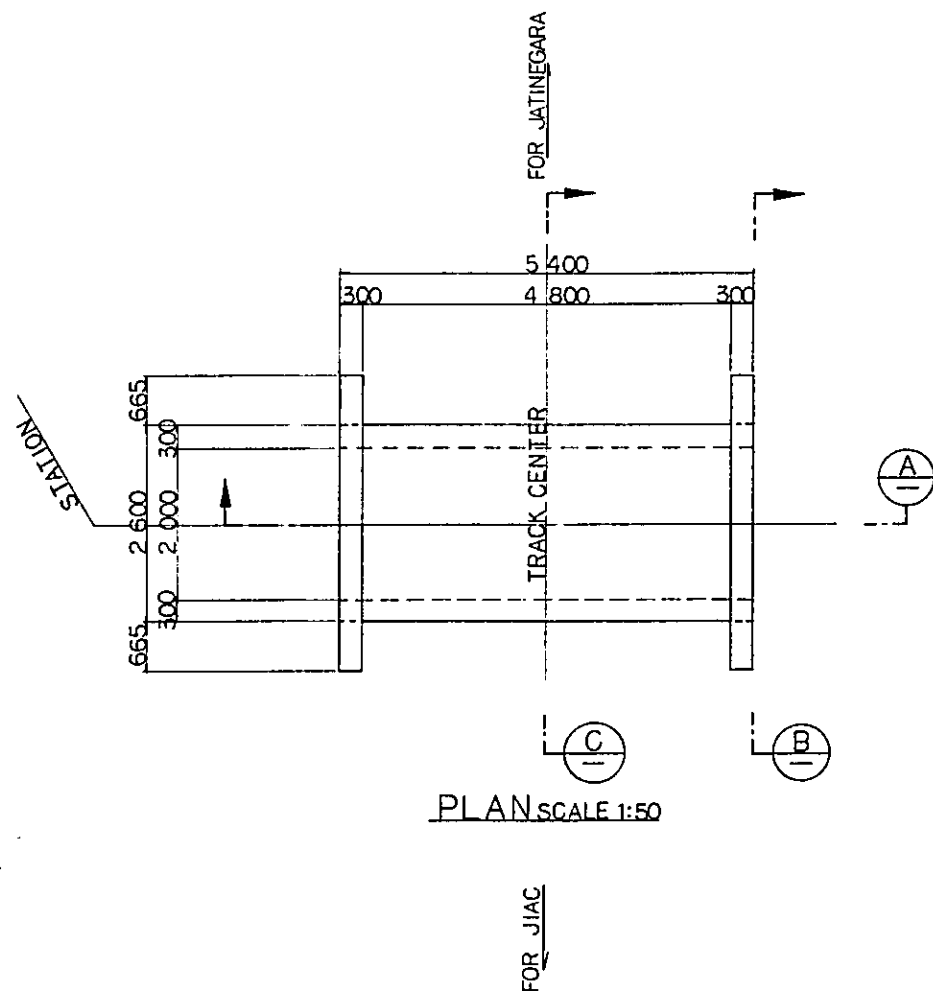
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG.84	SS	HY	KJ	K.M
A	1AUG.84	SS	HY	KJ	K.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
BOX CULVERT Cb10 BAR ARRANGEMENT					
PACKAGE:	I CIVIL AND ARCHITECTURAL WORK				
SCALE:	1:50	DRAWING NO.:	CE-021		



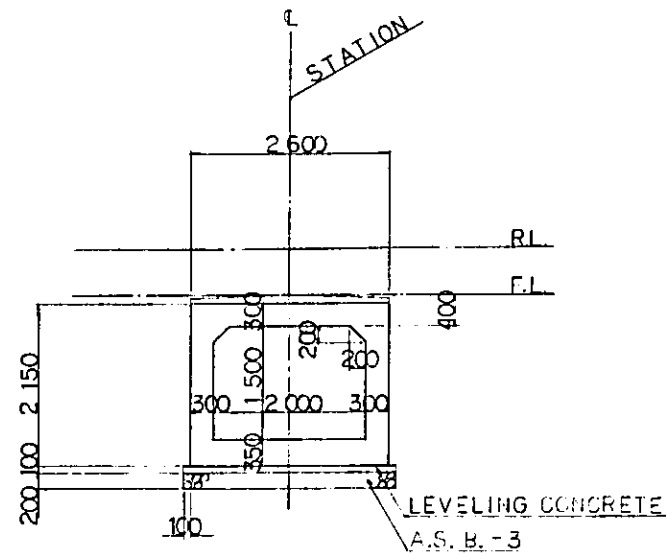
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50



SECTION C
SCALE 1:50

DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

NOTES:

- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
- REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-023
- GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

DIMENSIONS SCHEDULE

NO.	STATION	RL	FL	FL	GL
Cb12	6+400,000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .650
Cb13	6+950,000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .640
Cb14	7+450,000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .680
Cb15	7+900,000	4 ^m .714	4 ^m .090	3 ^m .990	2 ^m .990
Cb16	8+300,000	5 ^m .014	4 ^m .390	4 ^m .290	3 ^m .210
Cb19	9+400,000	5 ^m .214	4 ^m .590	4 ^m .490	3 ^m .250
Cb20	9+800,000	5 ^m .214	4 ^m .590	4 ^m .490	3 ^m .180

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)

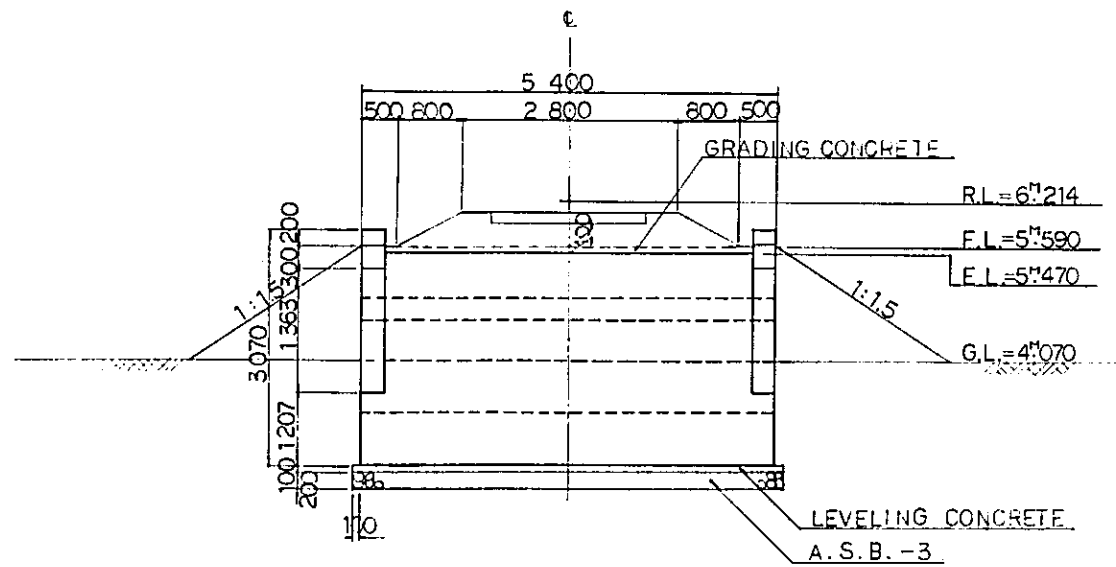
B	1AUG.'84	SS	M.Y.	K.A.	K.M.	M.K.
A	1FEB.'84	SS	M.Y.	K.A.	K.M.	M.K.

REVISIONS DATE REVISION DRAWN CHECKED REFERRED SUBMITTED

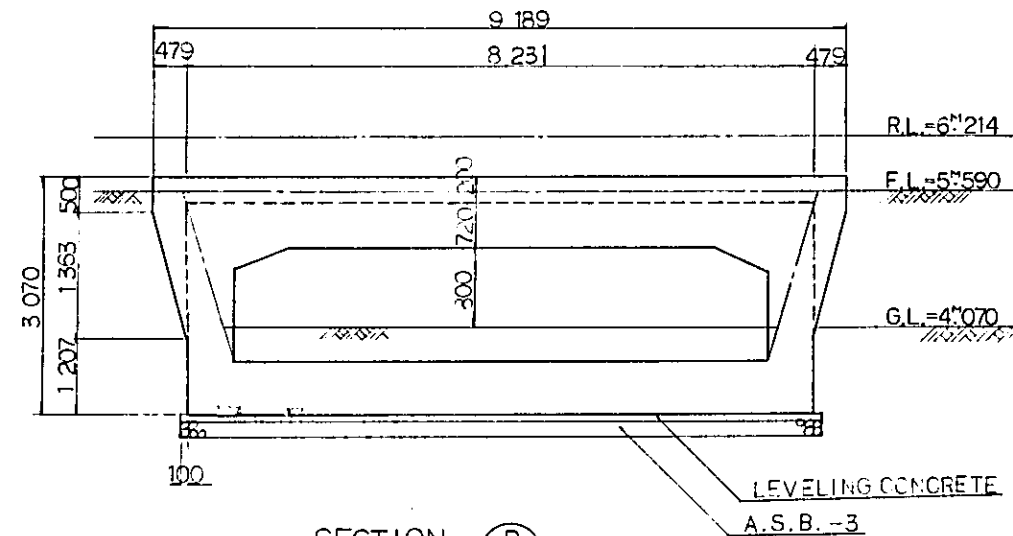
BOX CULVERT Cb 12 ~ Cb 16,
Cb 19, Cb 20
GENERAL VIEW

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

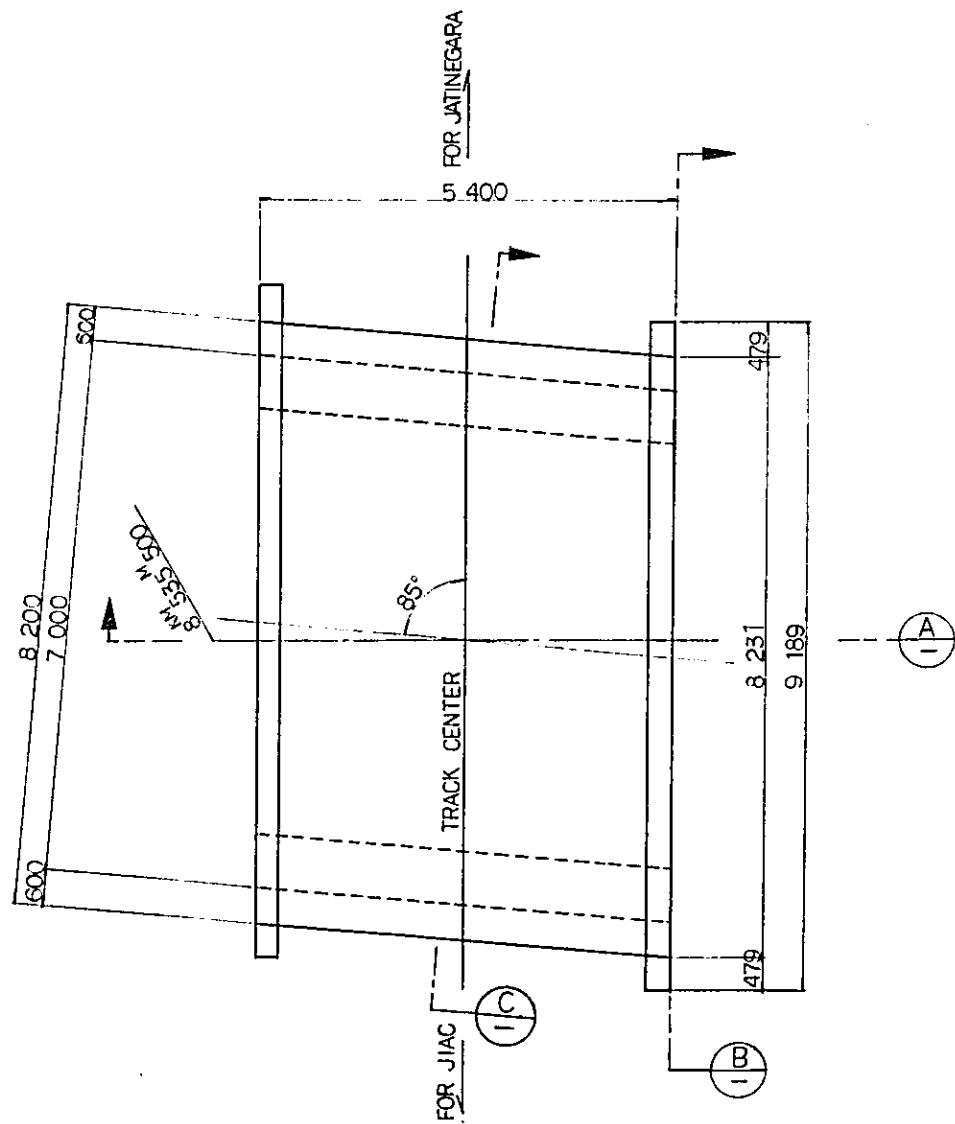
SCALE: 1:50 DRAWING NO: CE-022



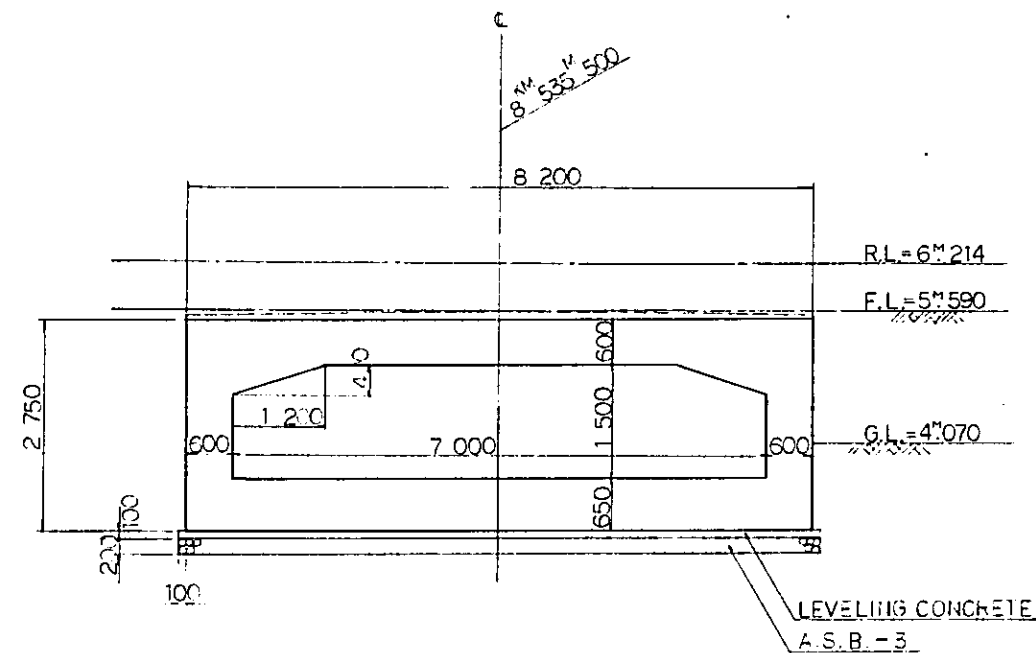
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50

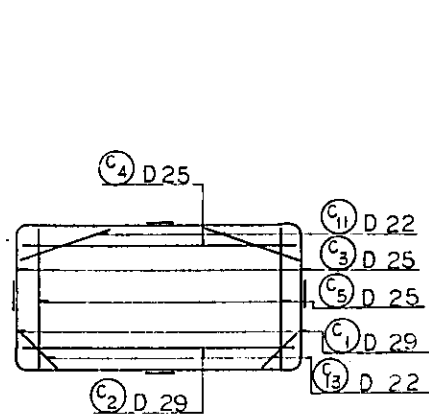


SECTION C
SCALE 1:50

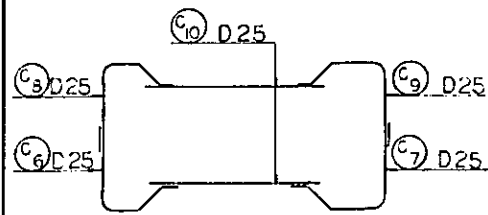
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-025.
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

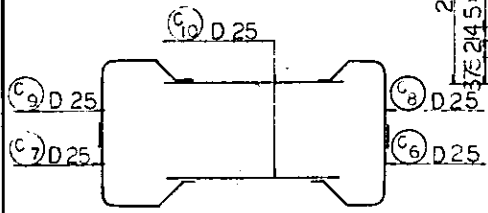
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1AUG'84	SS	M.Y	K.A	K.M	M.K
A	11FEB'84	SS	M.Y	K.A	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
BOX CULVERT Cb17 GENERAL VIEW						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:50	CE-024					



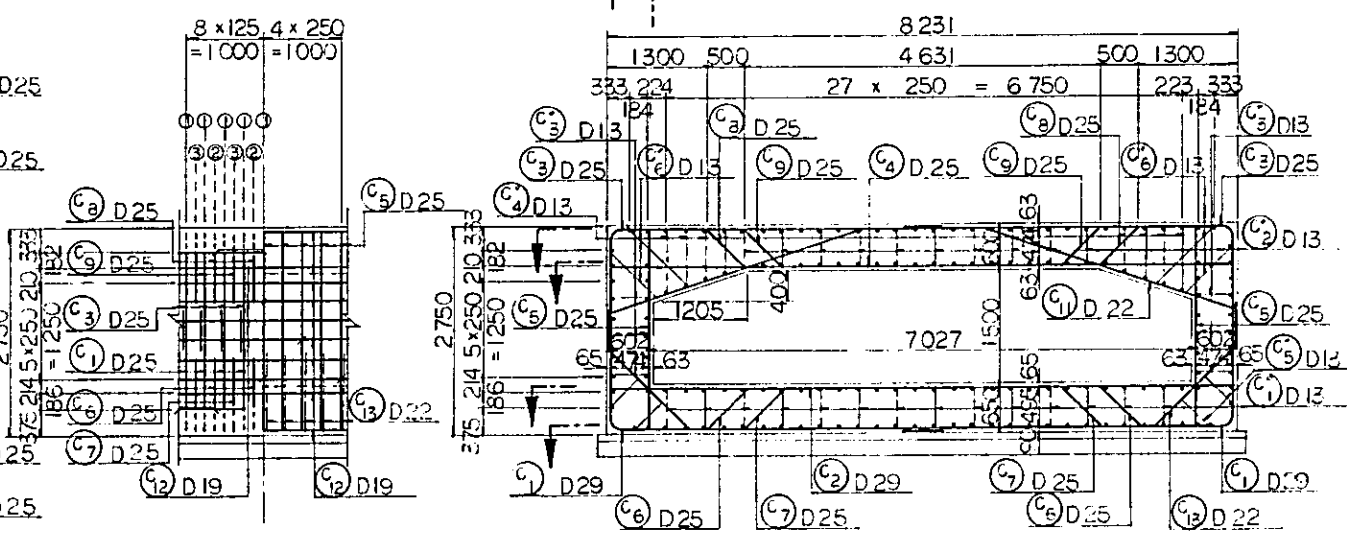
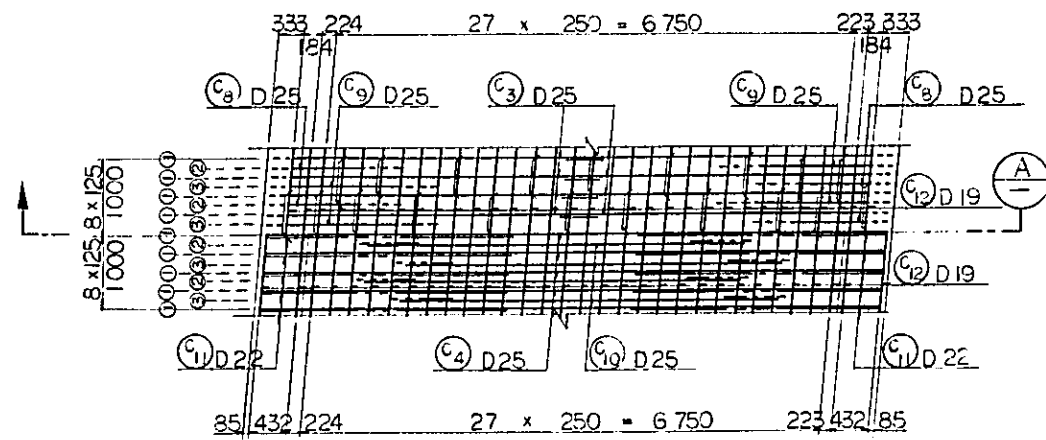
REINFORCEMENT FRAME TYPE ①



REINFORCEMENT FRAME TYPE ②



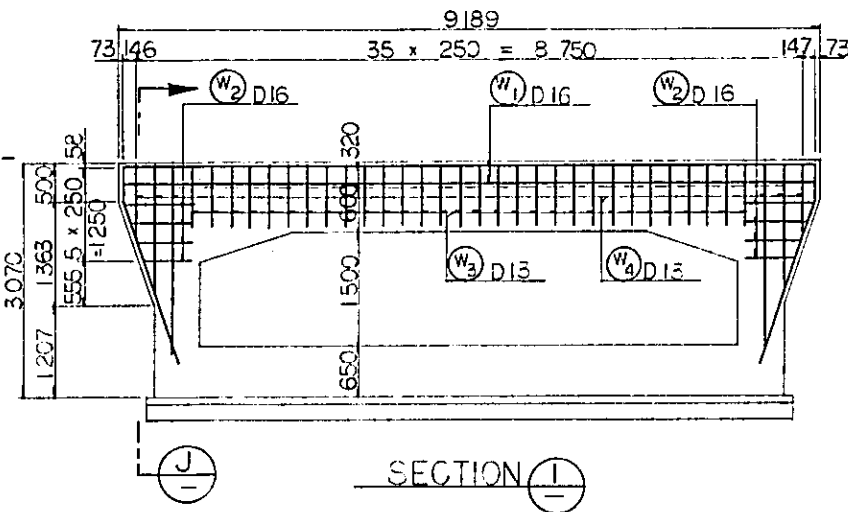
REINFORCEMENT FRAME TYPE ③



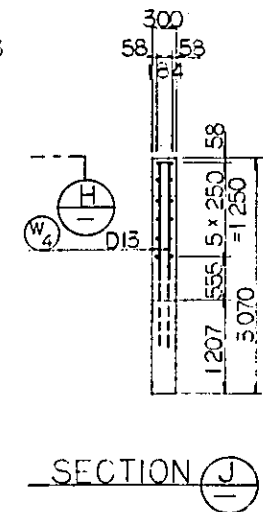
SECTION F F SECTION G G

SECTION A A

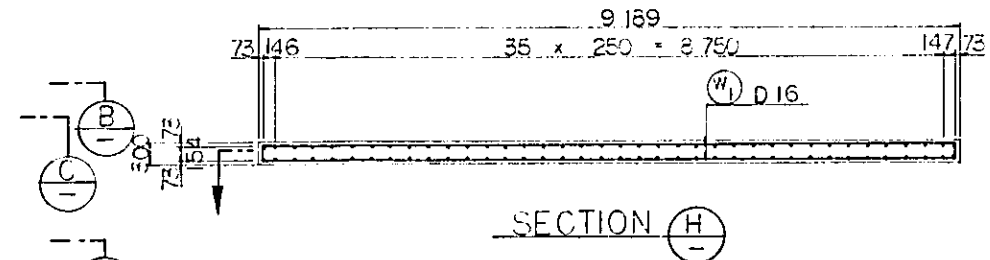
SECTION B B SECTION C C



SECTION I I



SECTION J J

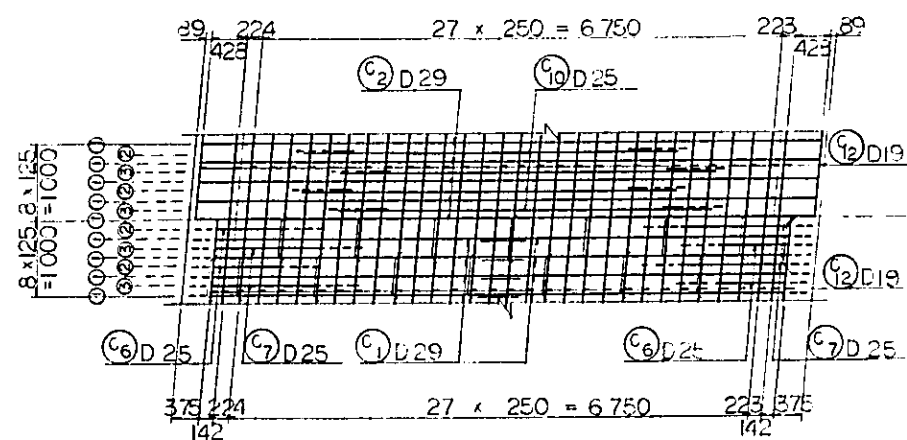
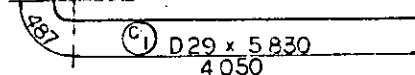
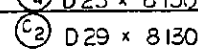
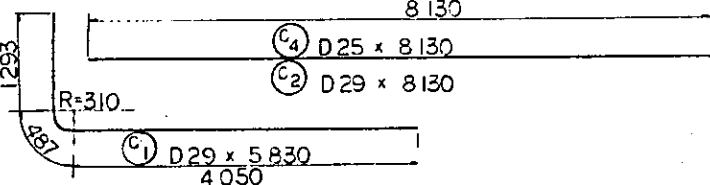
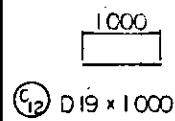
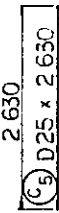
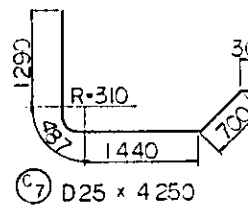
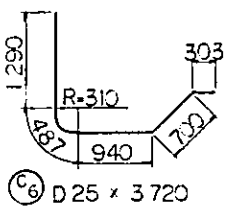
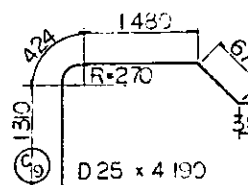
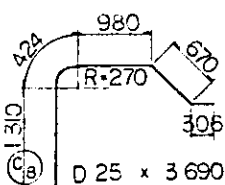
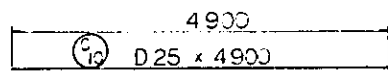
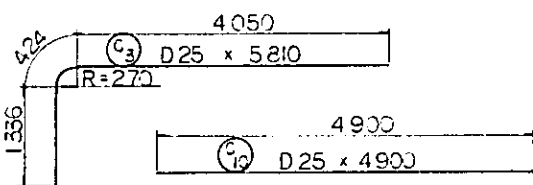


SECTION H H

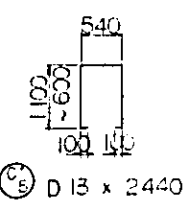
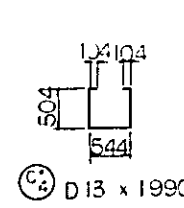
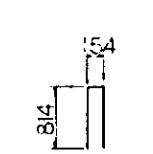
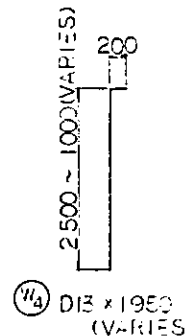
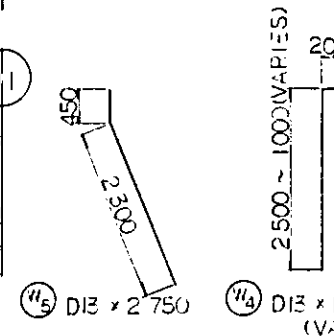
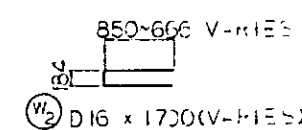
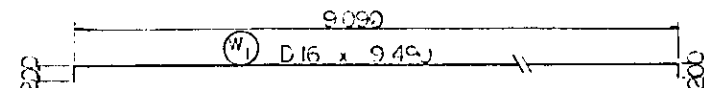
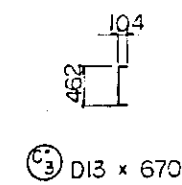
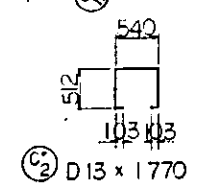
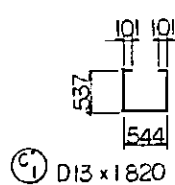
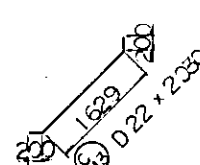
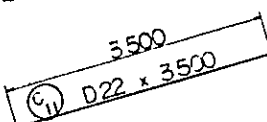
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

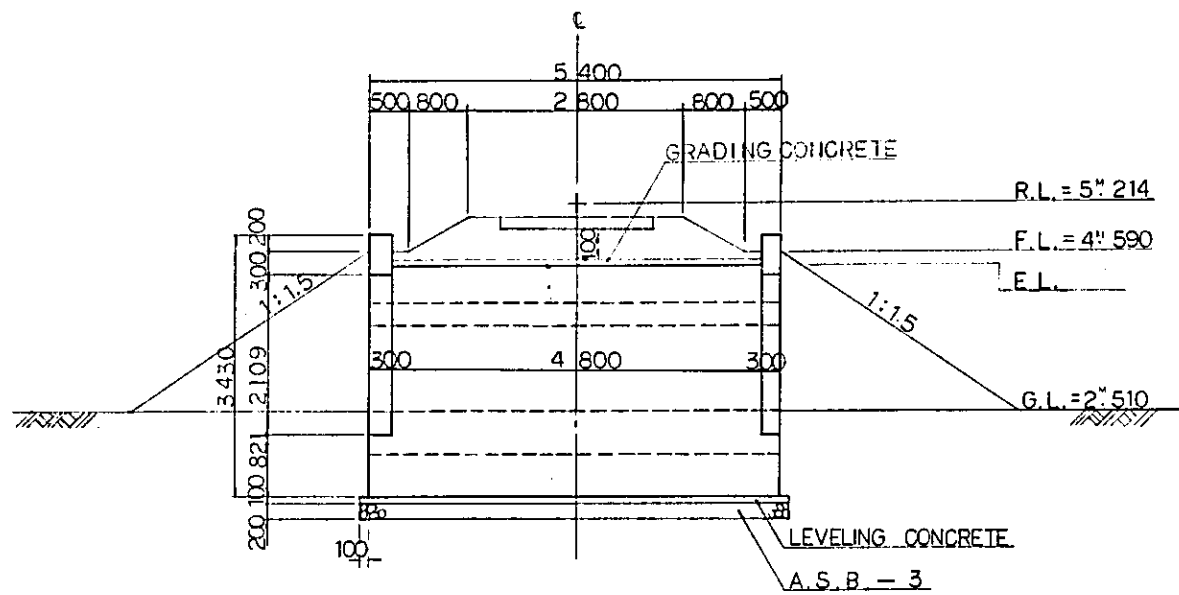
2. REFERENCE DRAWING FOR GENERAL VIEW: CE-024



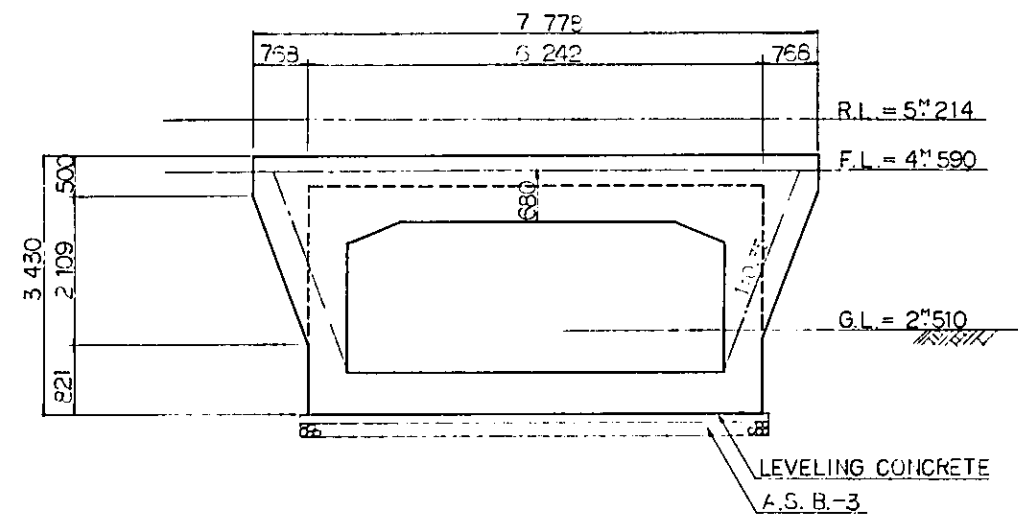
SECTION D D SECTION E E



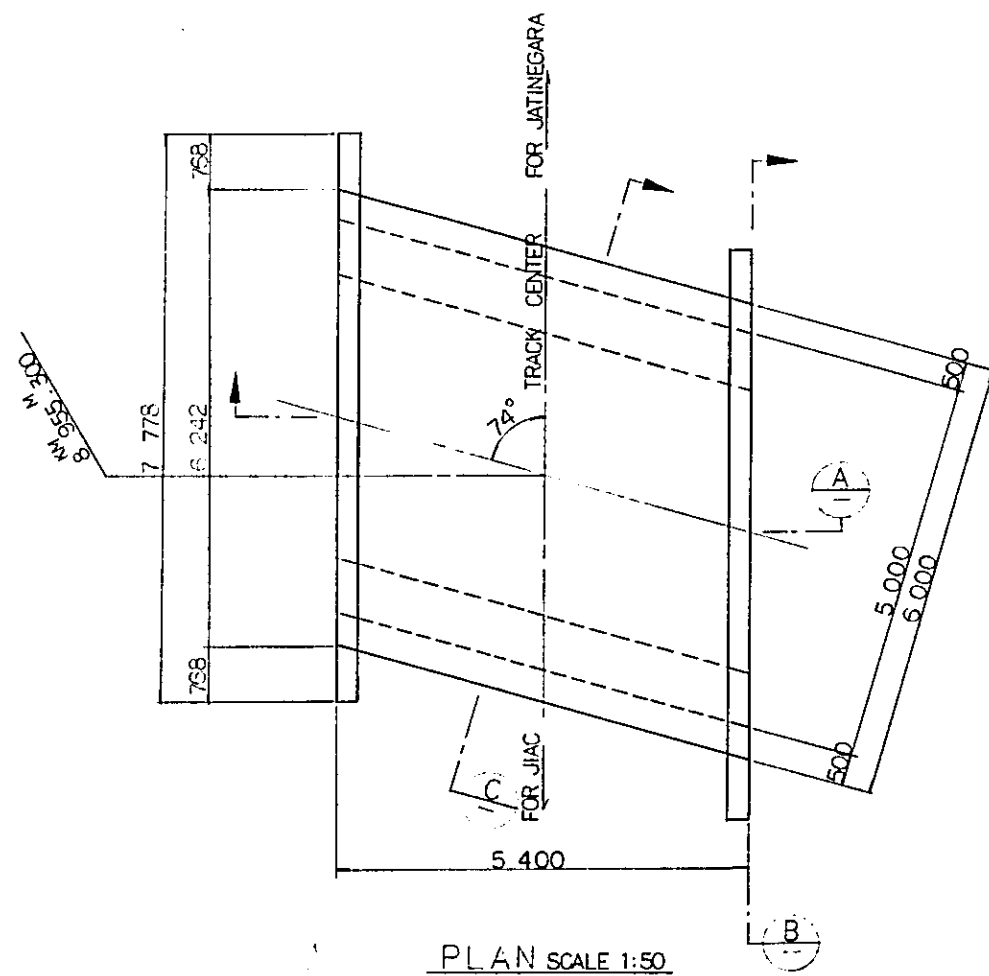
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG'84	S.S.H.Y.	K.A.K.M.	M.K.	
A		S.S.H.Y.	K.A.K.M.	M.K.	
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	SUBMITTED
BOX CULVERT Cb17 BAR ARRANGEMENT					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO:				
1:50	CE-025				



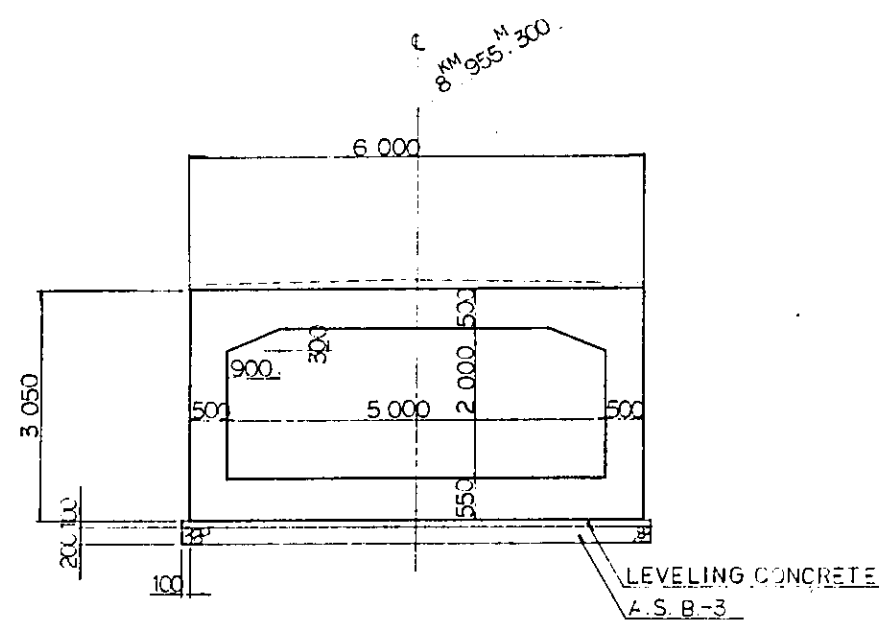
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50

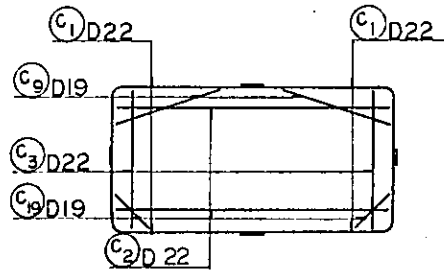


SECTION C
SCALE 1:50

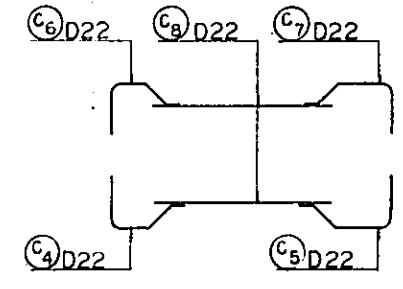
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-027
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

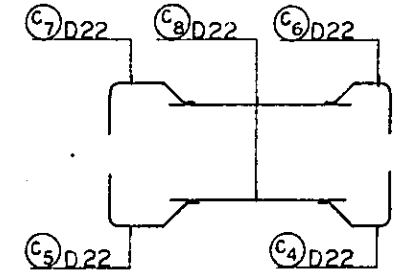
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1AUG'84	SS	HY	K.A.	K.M.	mk
A	REFR	CS	MY	K.A.	K.M.	mk
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	EXTEND	SUBMITTED
BOX CULVERT Cb18 GENERAL VIEW						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE 1:50	DRAWING NO. CE-026					



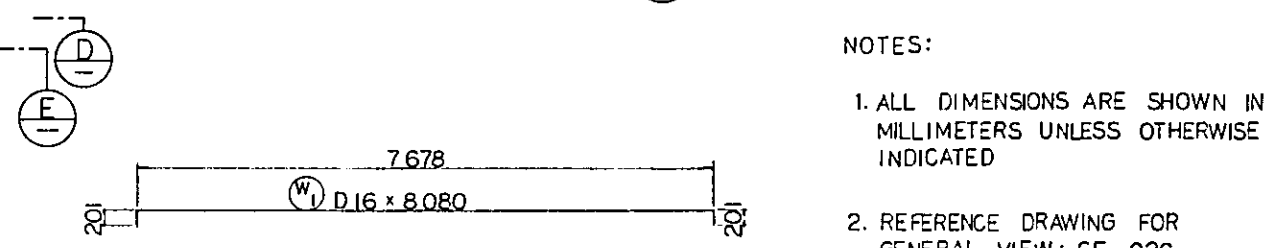
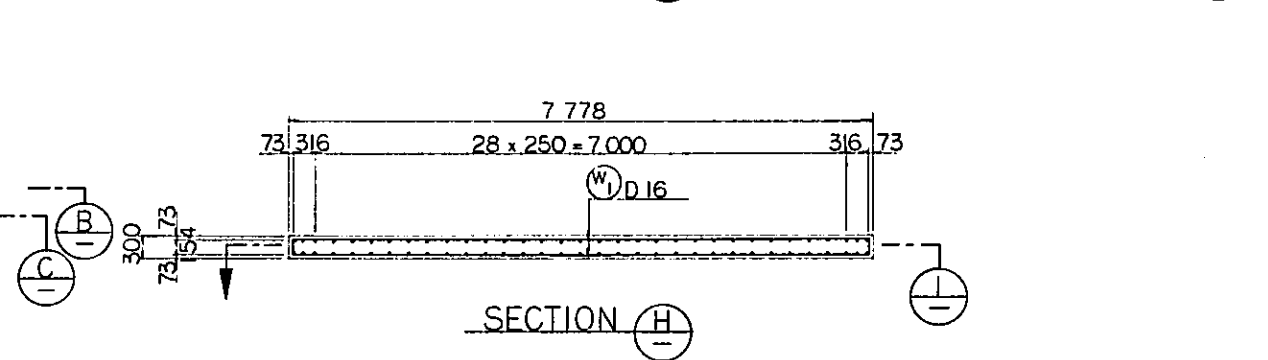
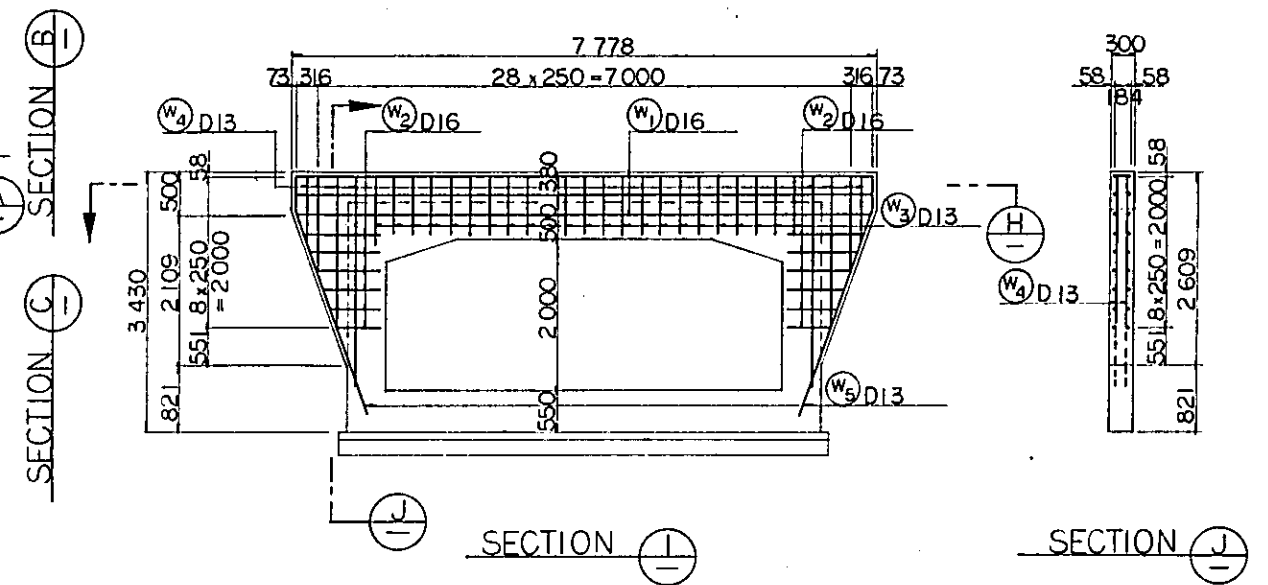
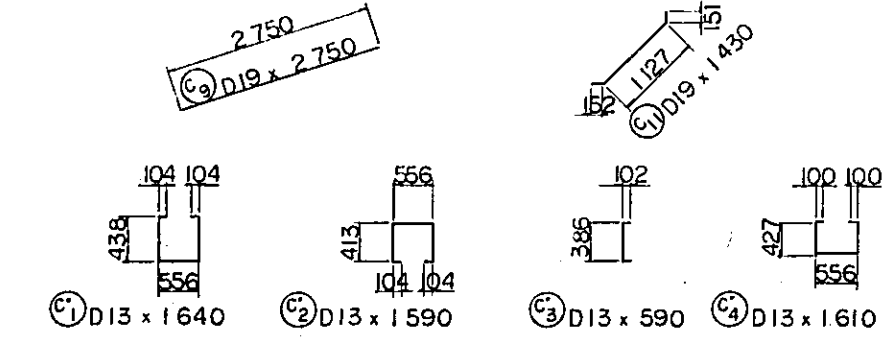
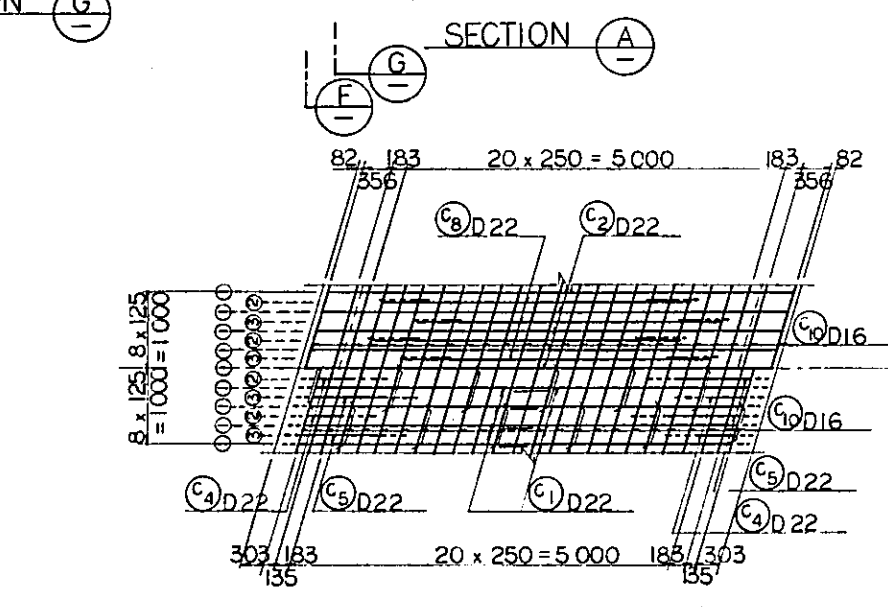
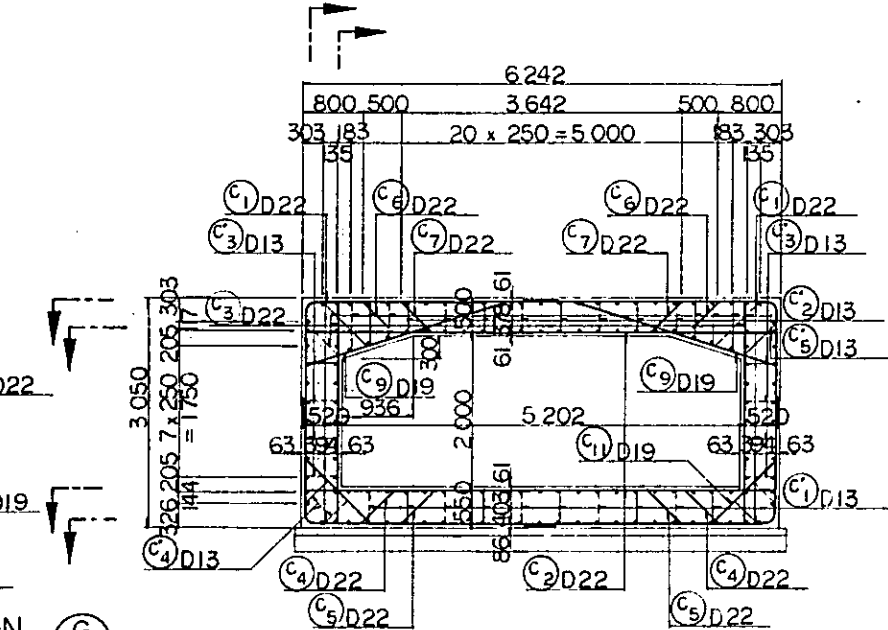
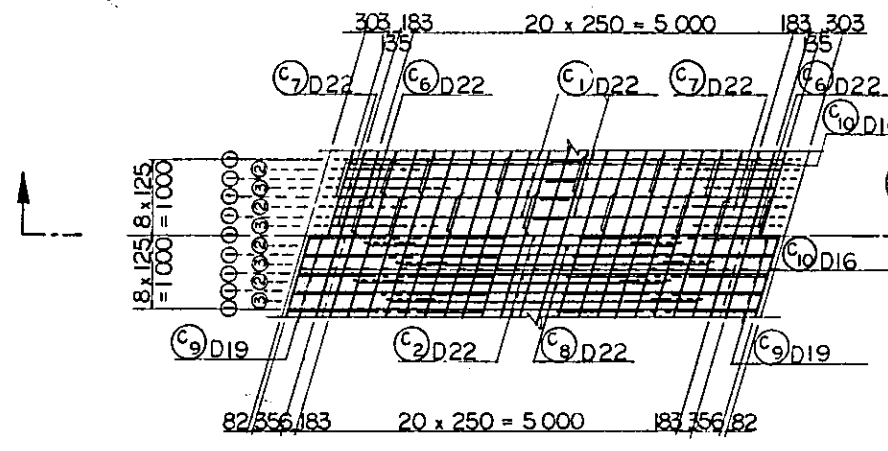
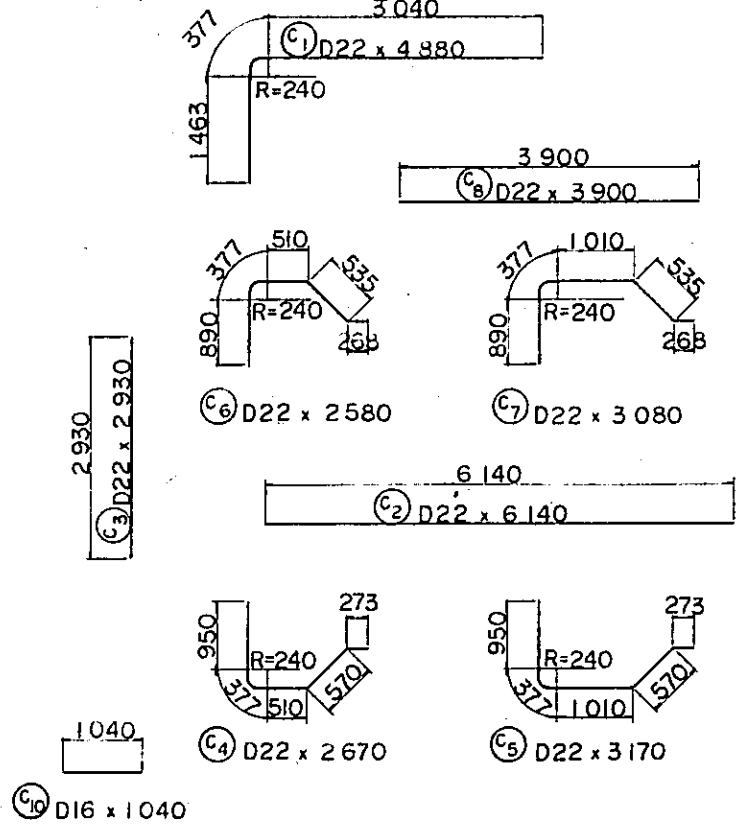
REINFORCEMENT FRAME TYPE ①



REINFORCEMENT FRAME TYPE ②

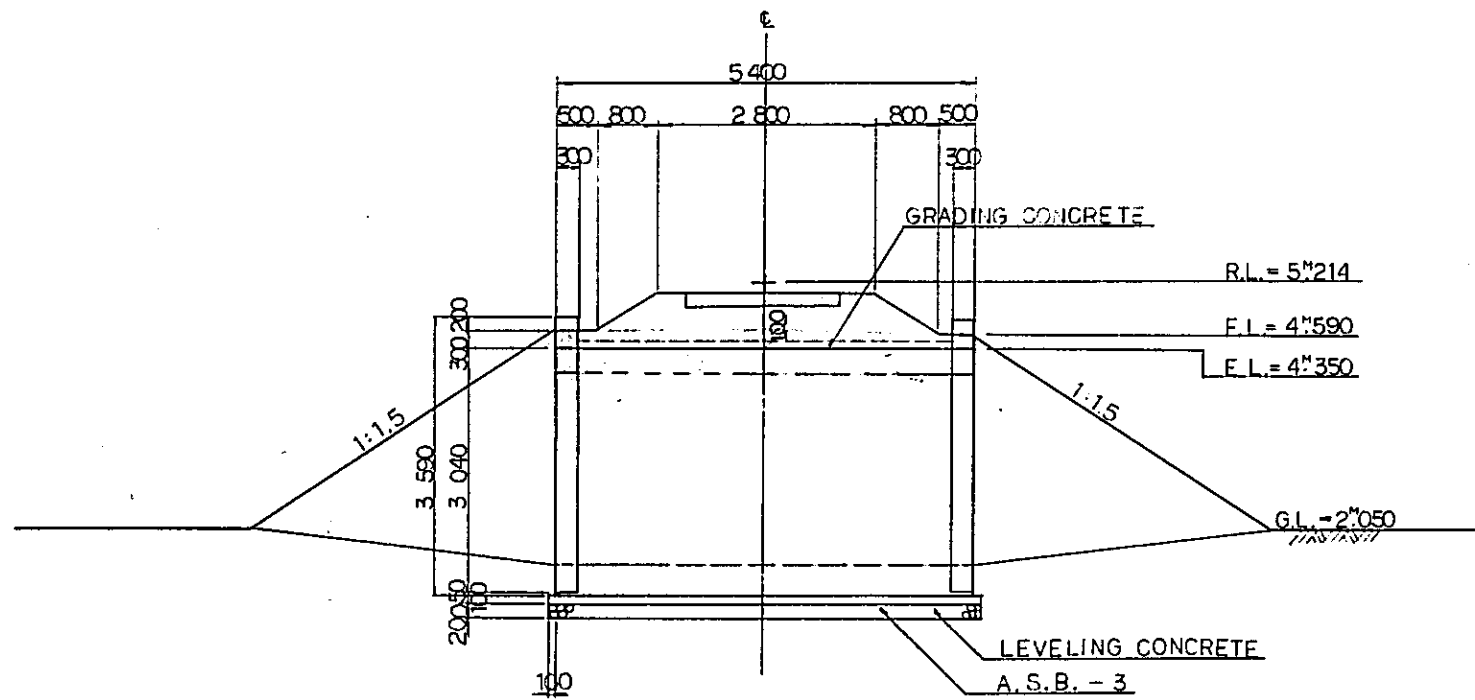


REINFORCEMENT FRAME TYPE ③

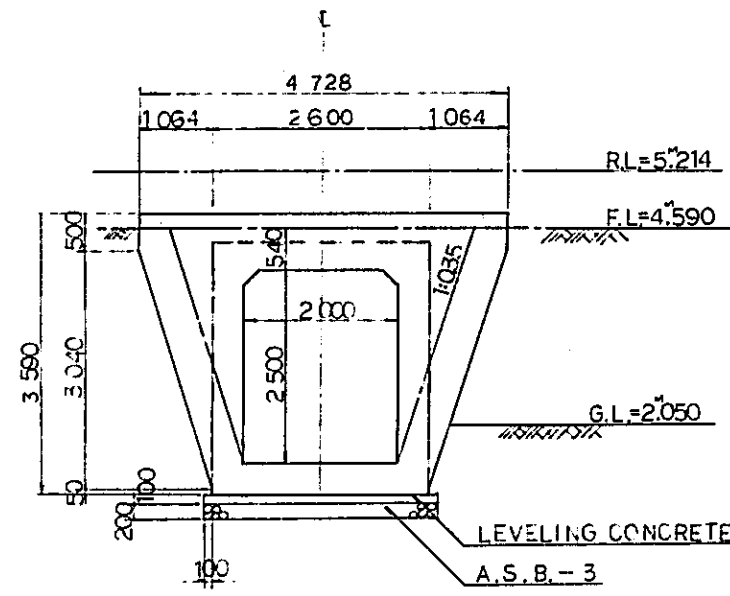


- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW: CE-026

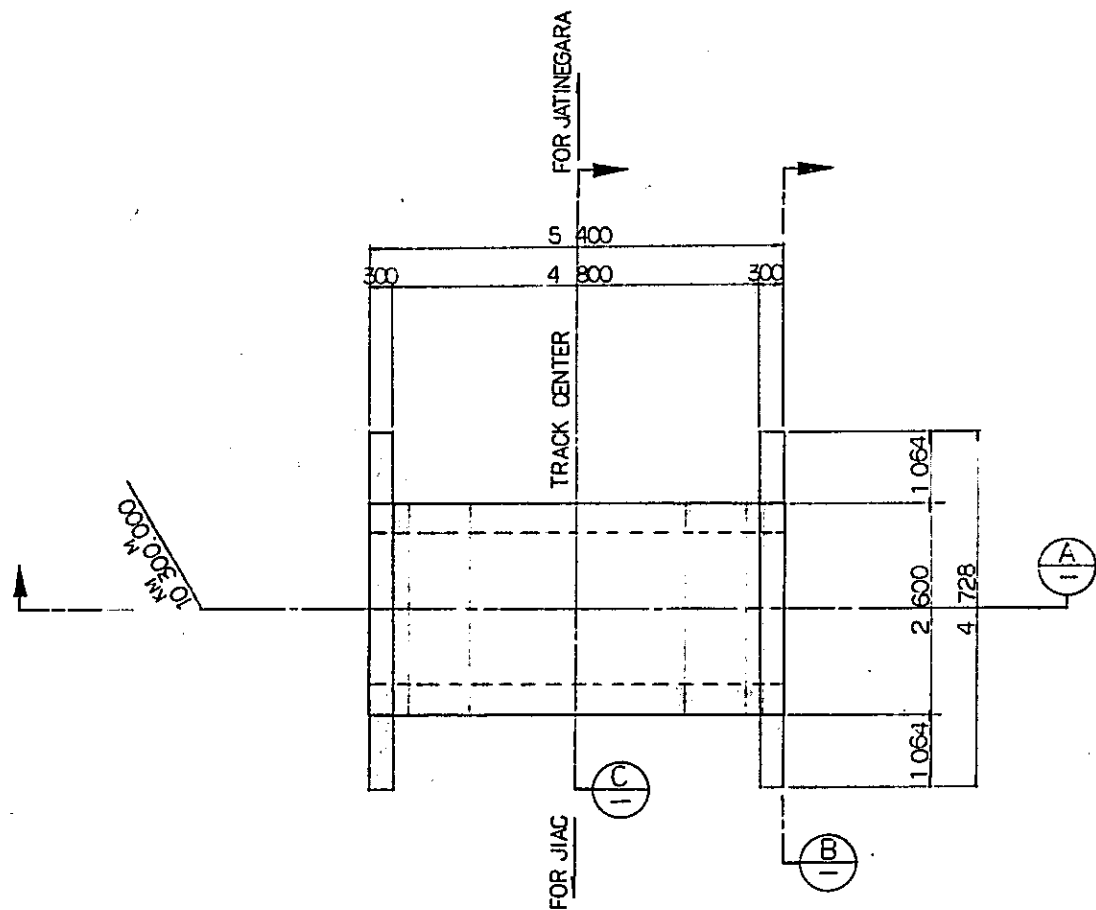
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1AUG'84	S.S.	M.Y.	K.A.	K.M.	M.K.
A	10FEB'84	S.S.	M.Y.	K.A.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
BOX CULVERT Cb18 BAR ARRANGEMENT						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO: CE-027					
1:50						



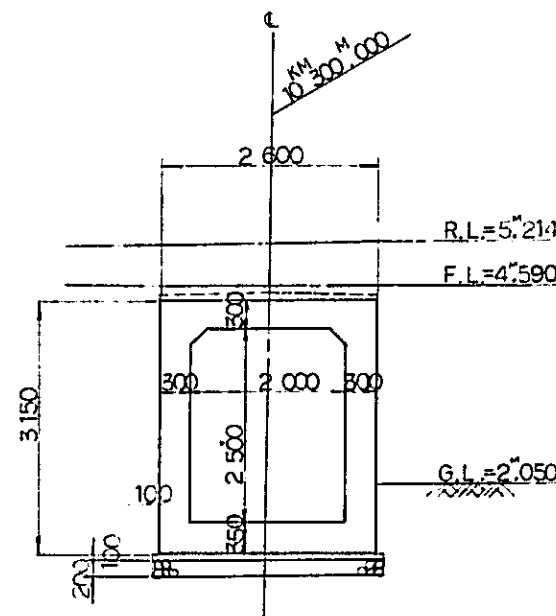
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50



SECTION C
SCALE 1:50

DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO RS-15
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE DESIGN CRITERIA STRENGTH	$f_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25mm

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE - 019
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 CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

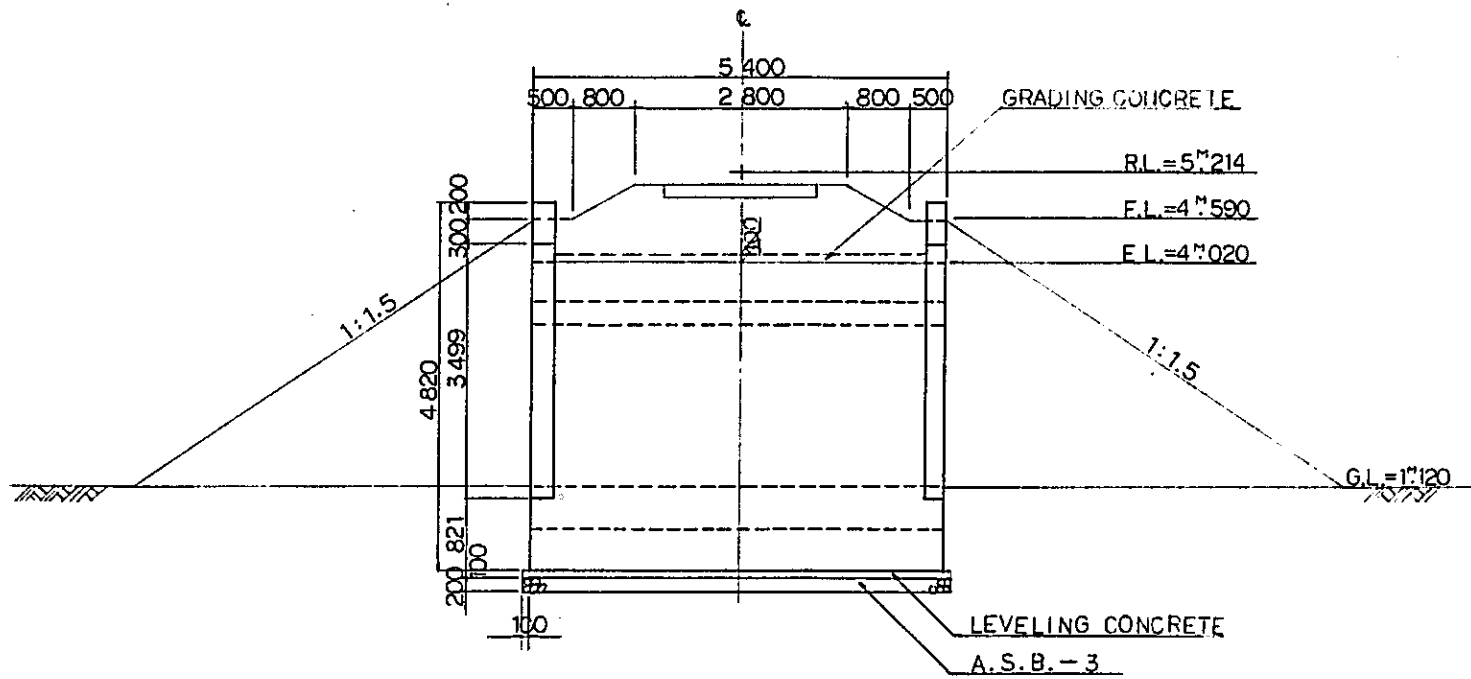
B	1 AUG. 84	S.S.	M.Y.	K.A.	K.A.	M.K.
A	27 FEB. 84	S.S.	M.Y.	K.A.	K.A.	M.K.

REVISIONS DATE

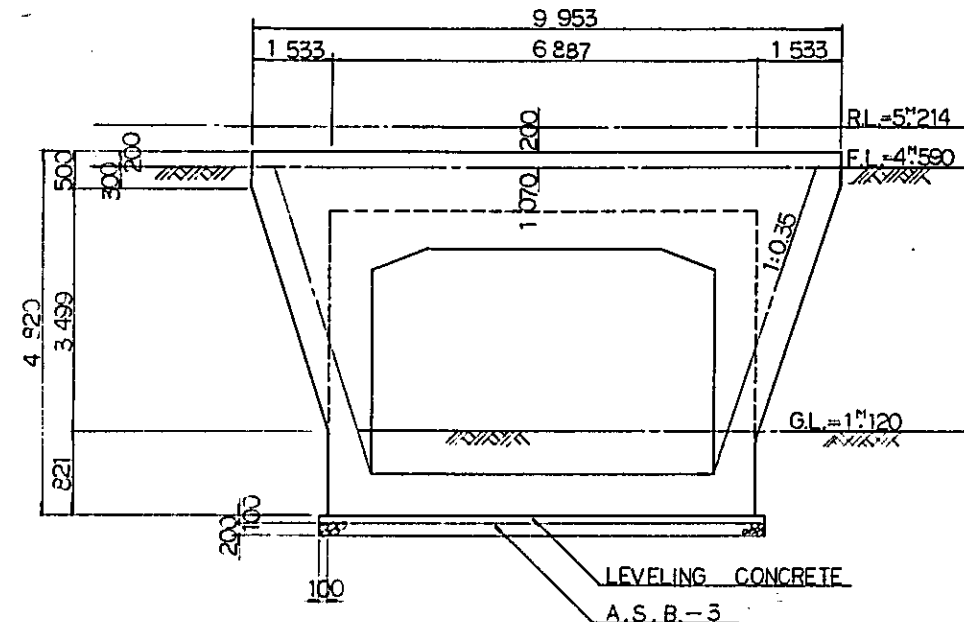
BOX CULVERT Cb21
GENERAL VIEW

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

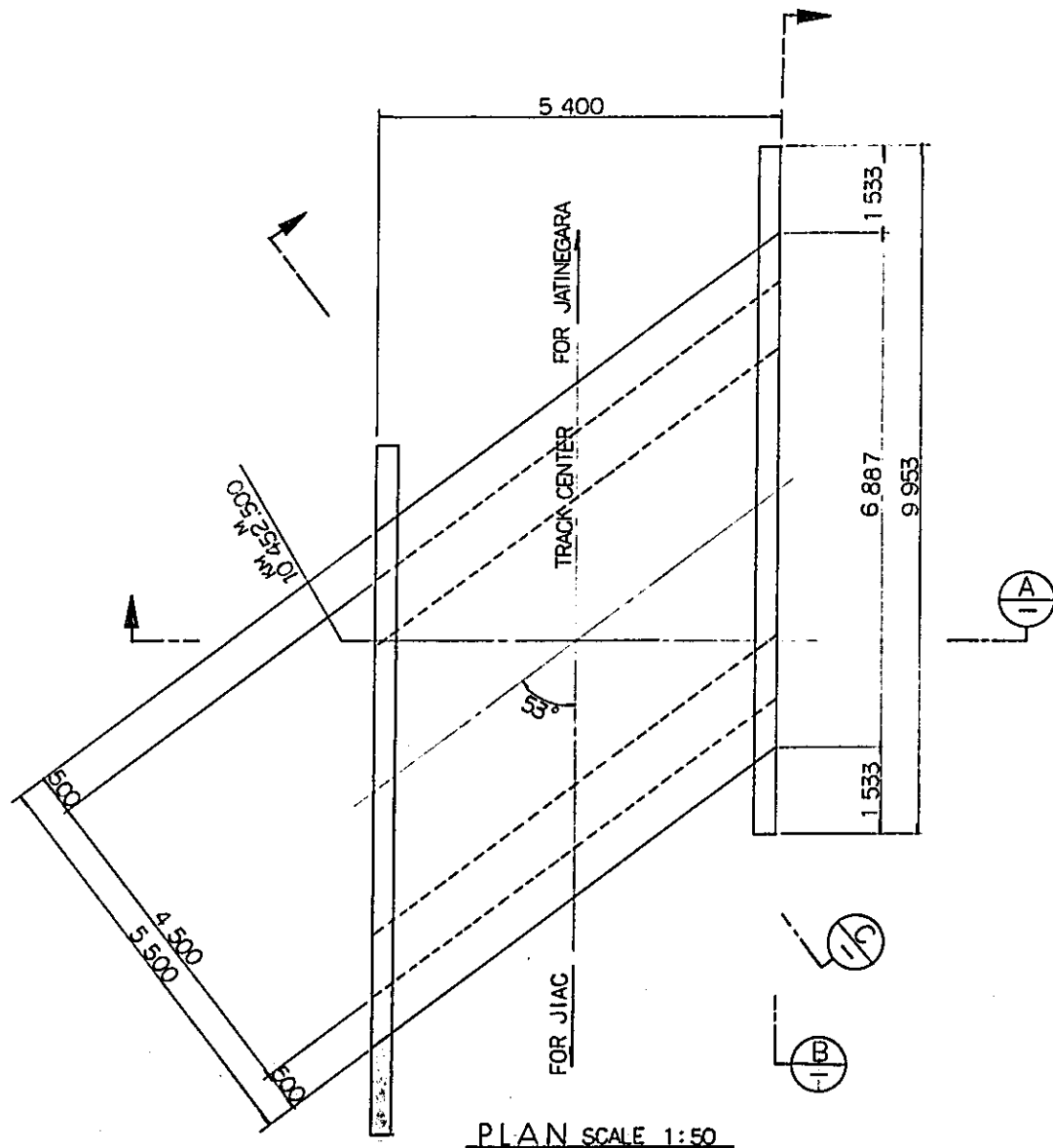
SCALE: 1:50 DRAWING NO.: CE-028



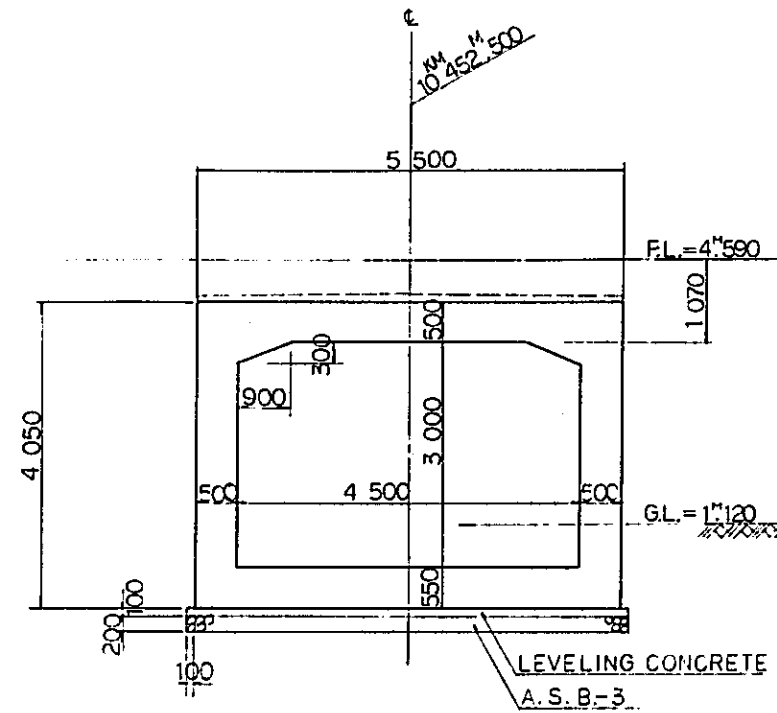
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50

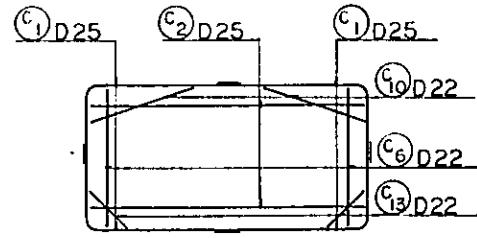


SECTION C
SCALE 1:50

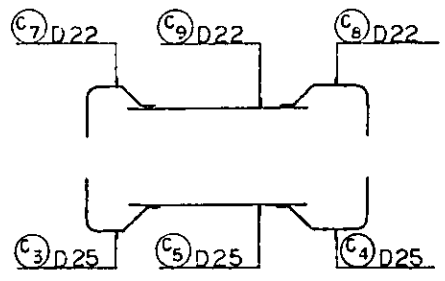
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-030
3. GRADING CONCRETE SHALL BE SIMULTANECUSLY PLACED WITH SLAB CONCRETE

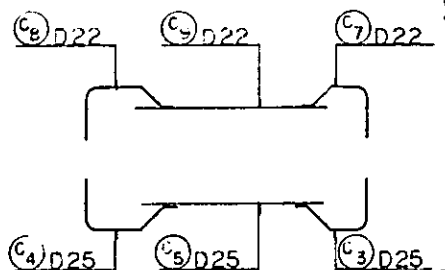
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1/AUG/84	S	M	K	K
A	1/SEP/84	S	M	K	K
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	DATE
BOX CULVERT - Cb22 GENERAL VIEW					
PACKAGE: 1 (CIVIL AND ARCHITECTURAL WORK)					
SCALE: 1:50	DRAWING NO: CE-029				



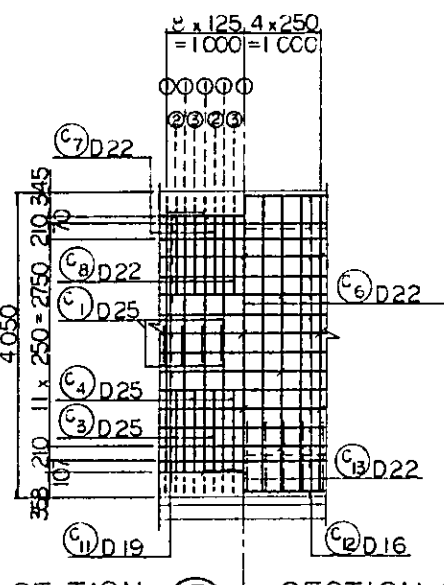
REINFORCEMENT FRAME TYPE 1



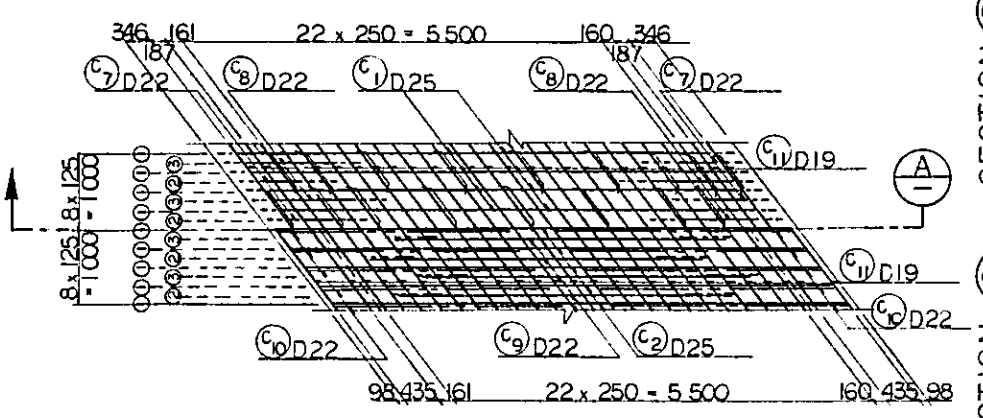
REINFORCEMENT FRAME TYPE 2



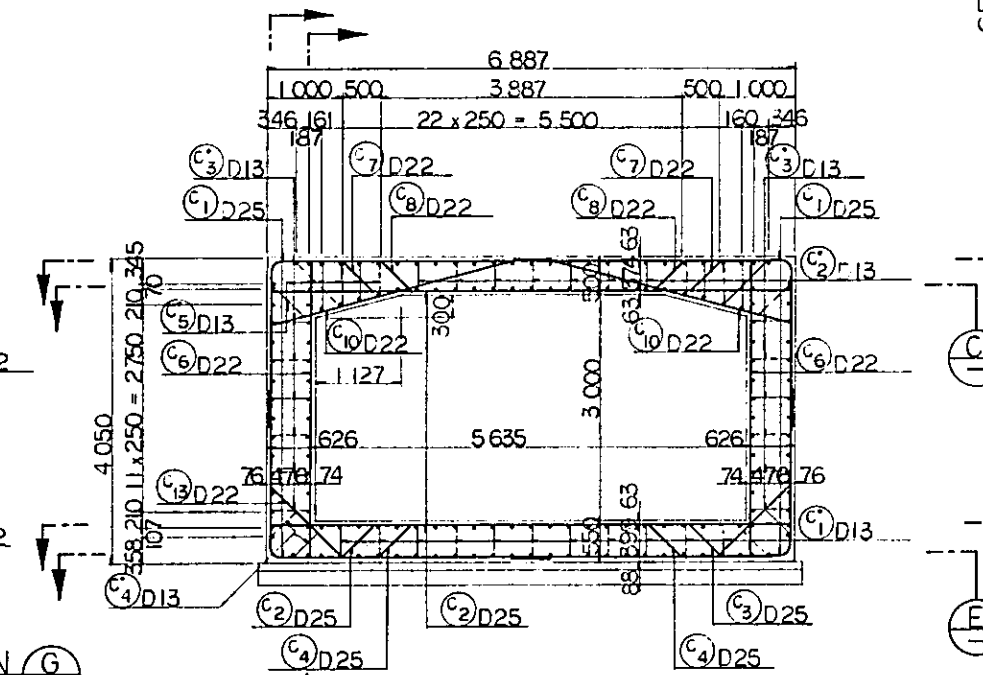
REINFORCEMENT FRAME TYPE 3



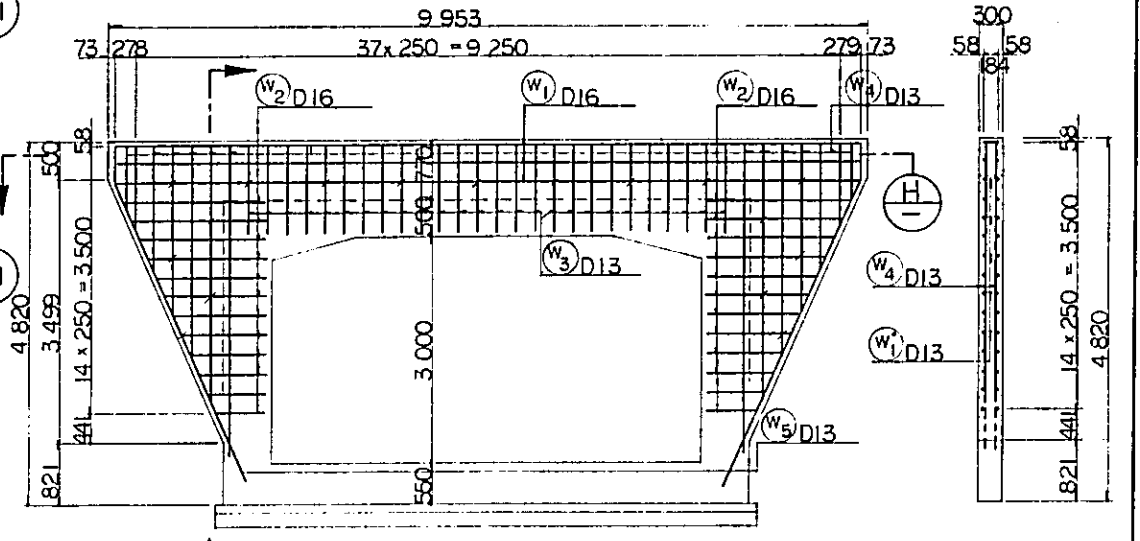
SECTION F SECTION G



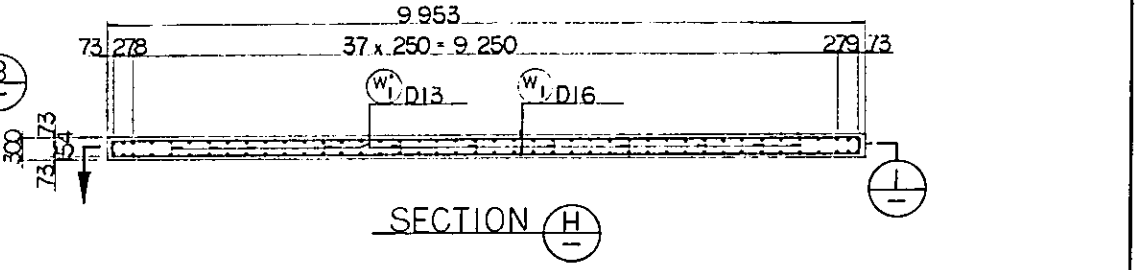
SECTION B SECTION C



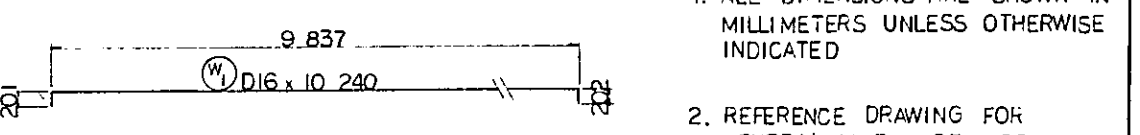
SECTION A SECTION D



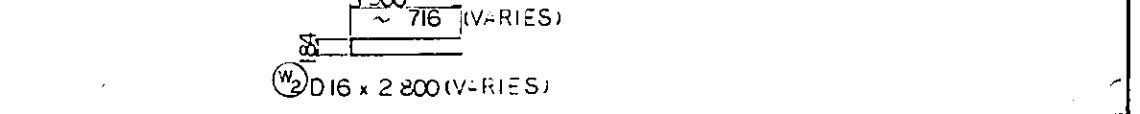
SECTION I SECTION J



SECTION H SECTION E



SECTION I SECTION D



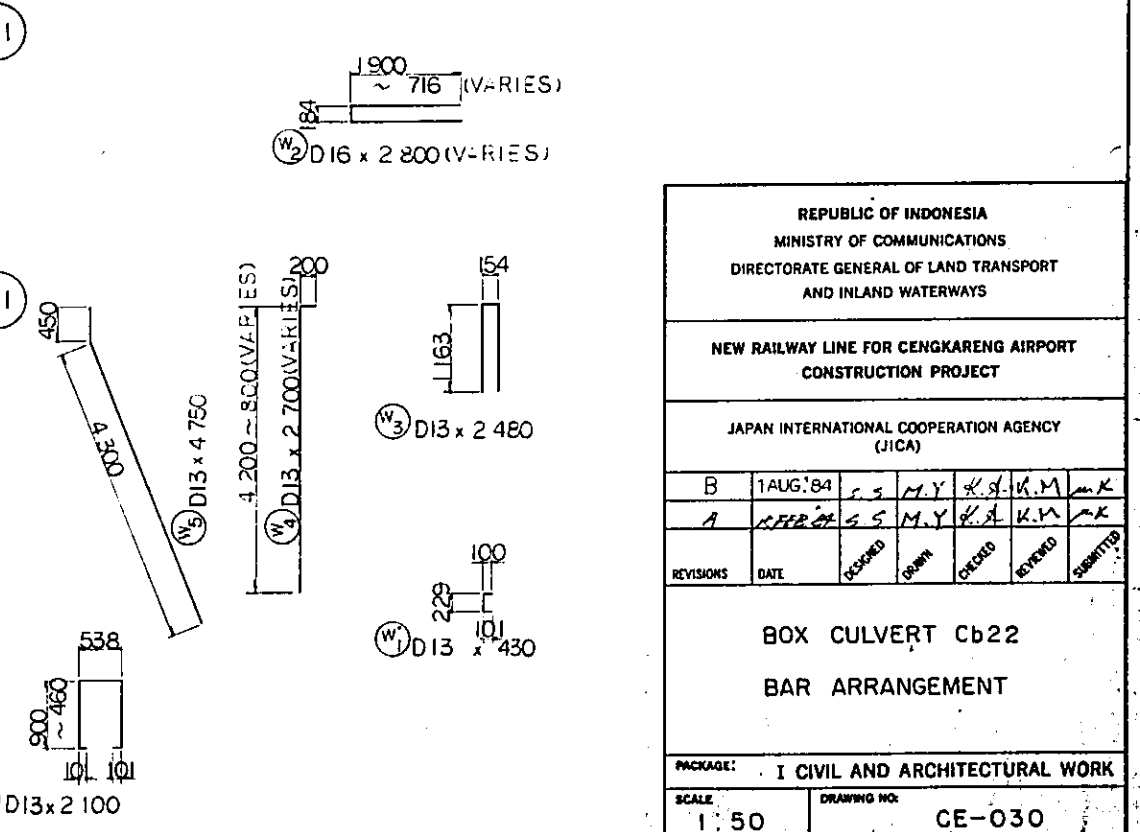
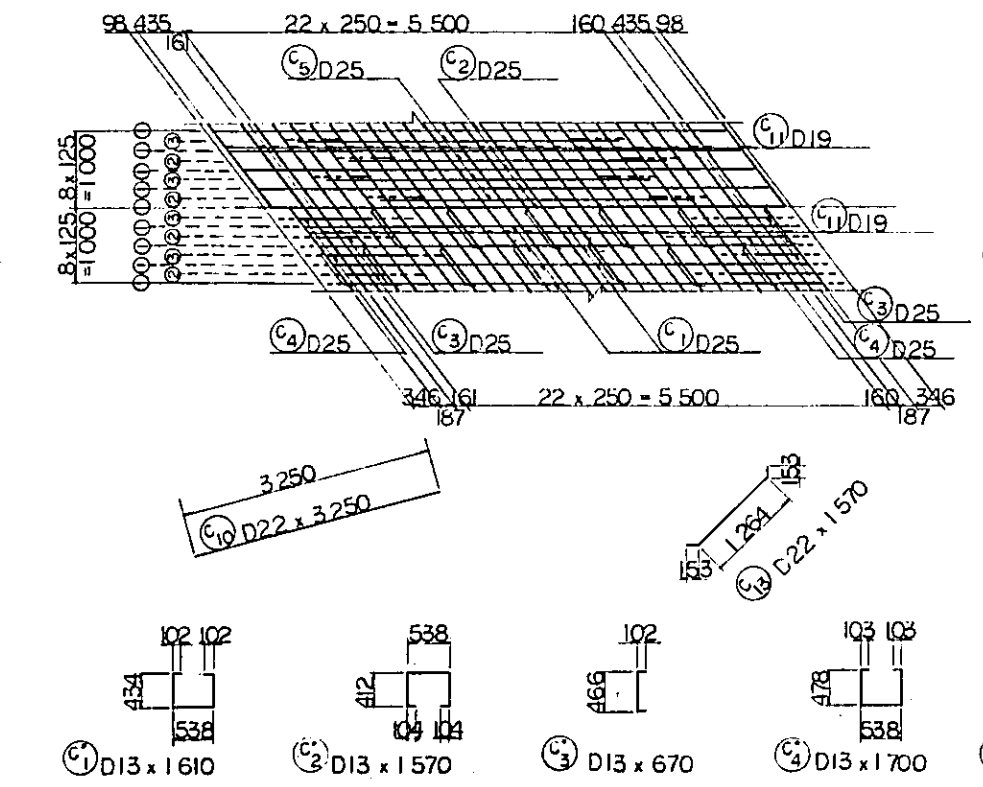
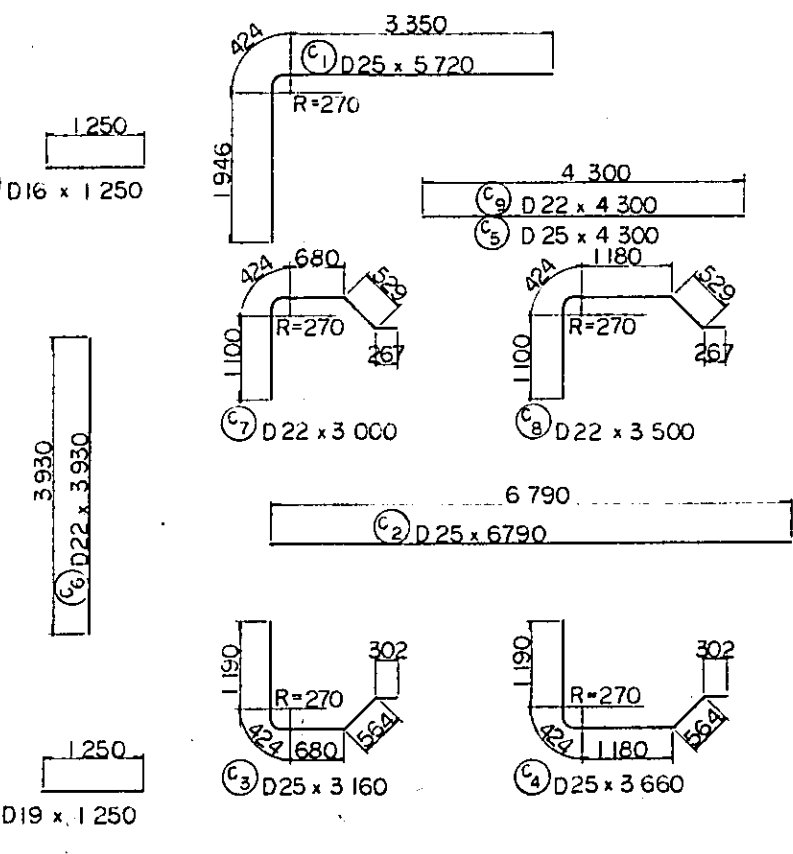
SECTION I SECTION E



SECTION I SECTION E

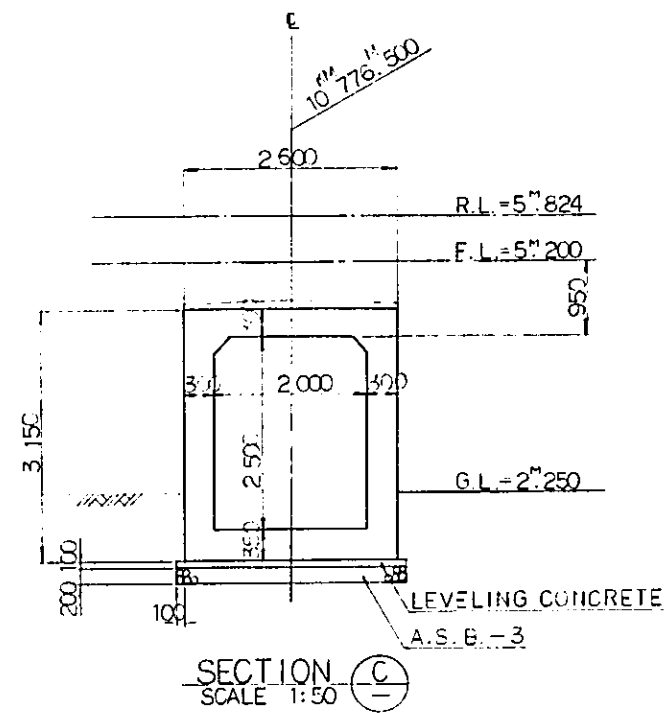
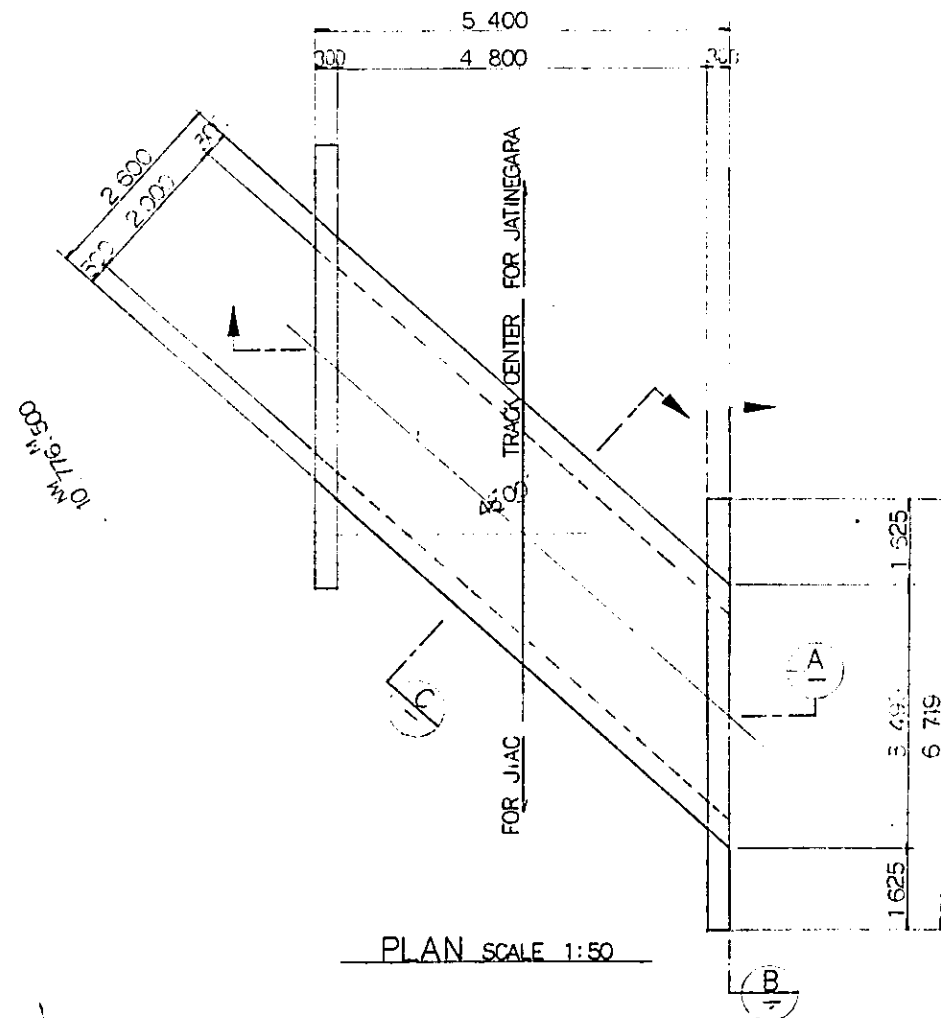
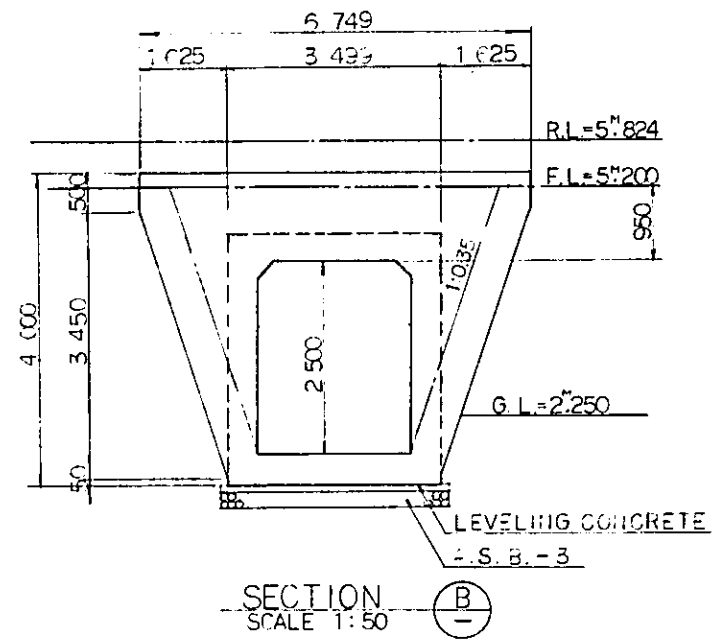
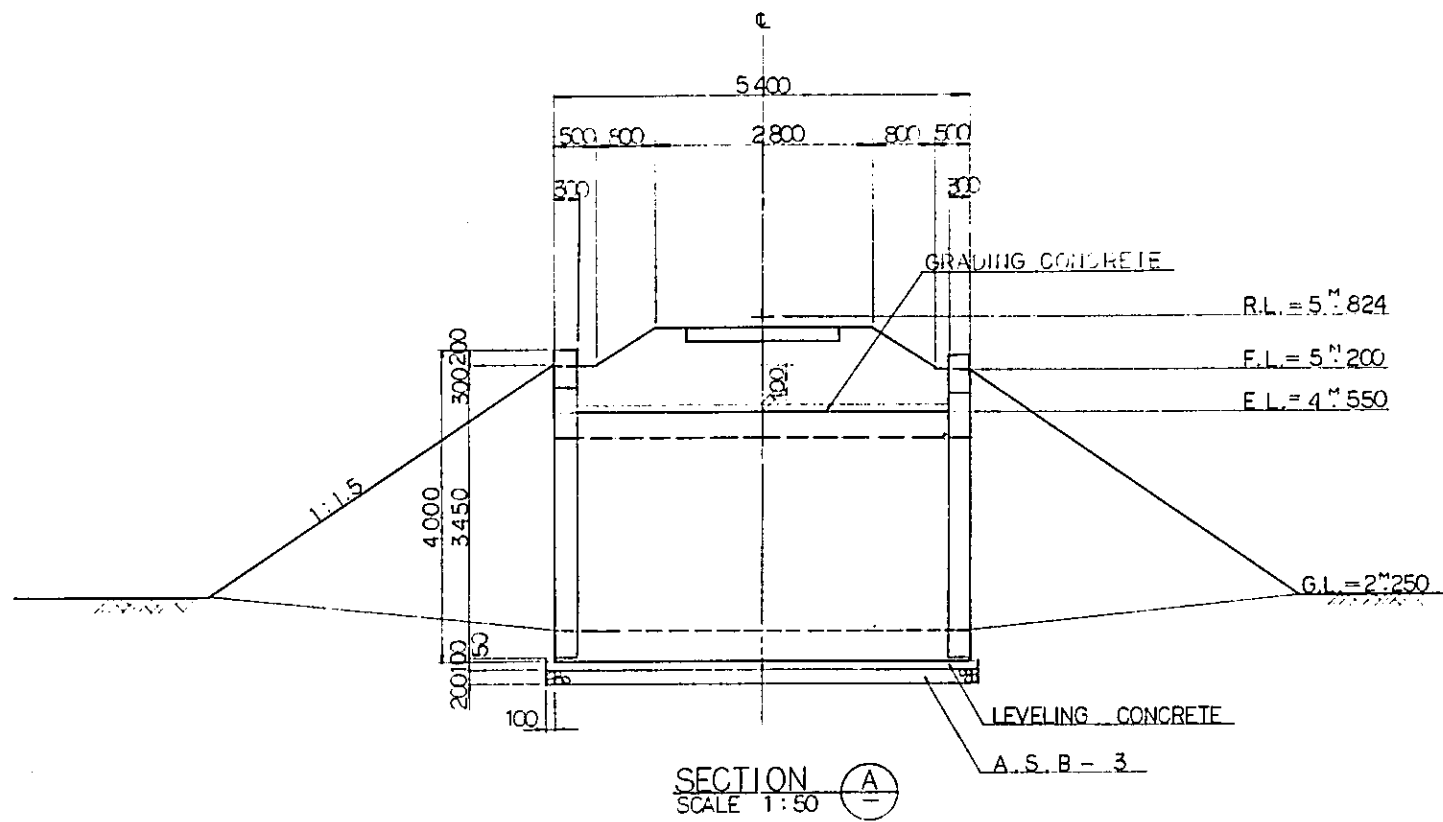


SECTION I SECTION E



- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW: CE-029

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	1AUG.84	CS	M.Y	K.S.K.M	AK
A	11FEB.84	CS	M.Y	K.S.K.M	AK
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
BOX CULVERT Cb22 BAR ARRANGEMENT					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO.		CE-030		
1:50					



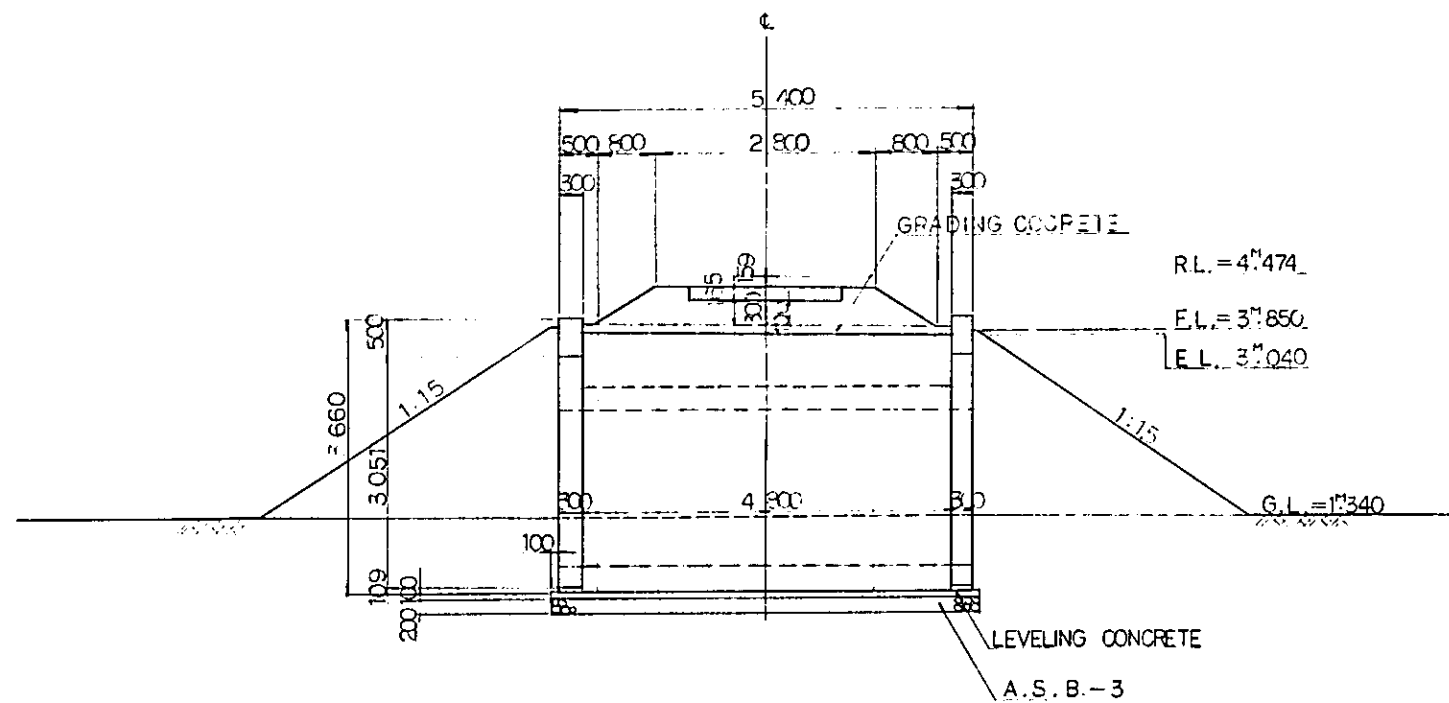
DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

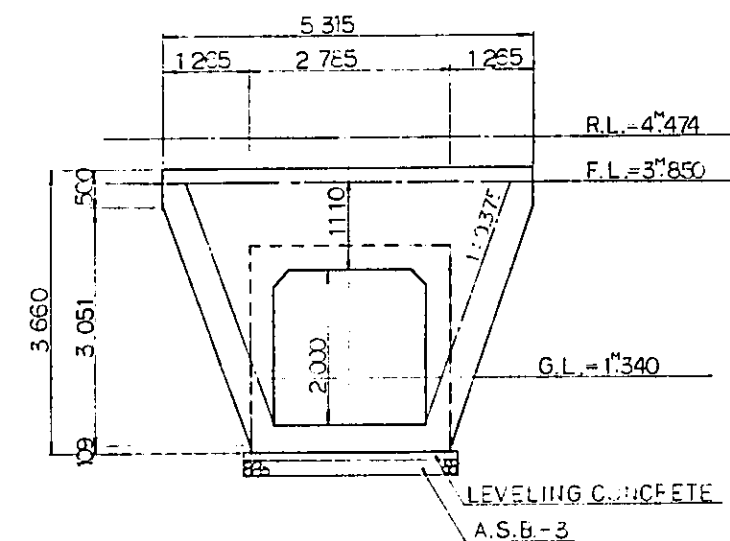
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-019
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

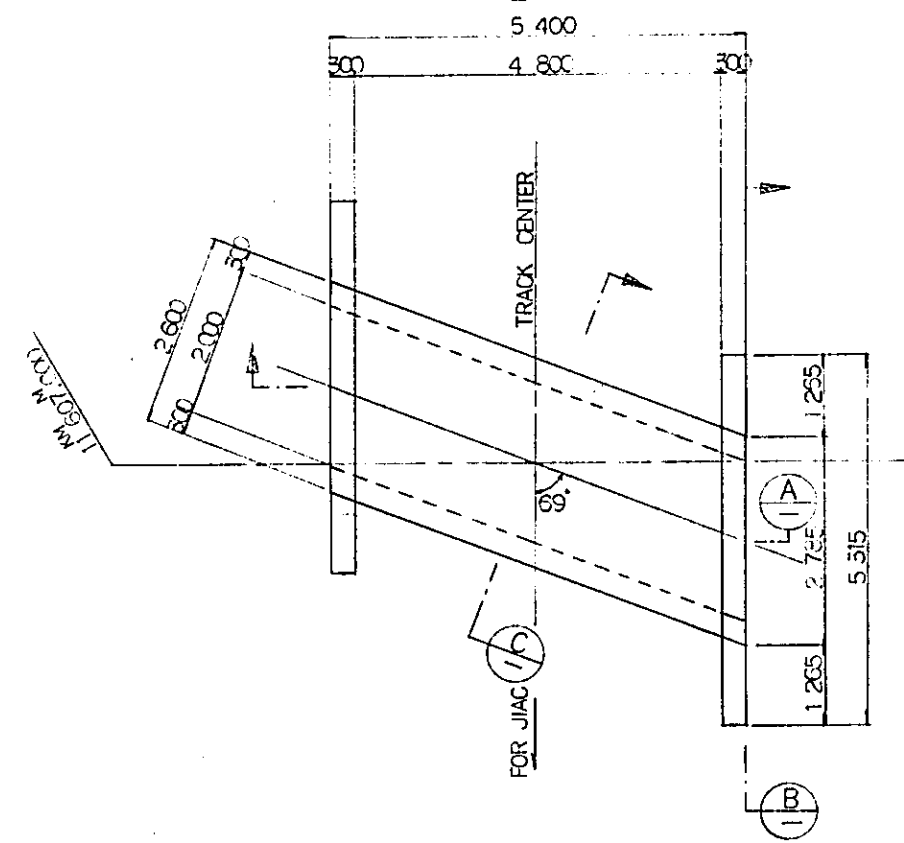
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG.84	SS	MY	KAK	M.K
A	15FEB.84	SS	MY	KAK	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
BOX CULVERT Cb23 GENERAL VIEW					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO.				
1:50	CE-031				



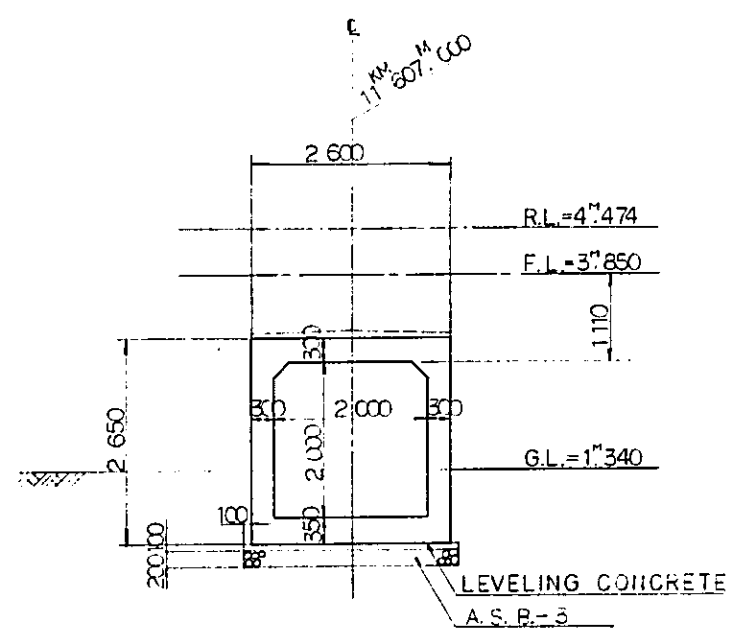
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50



SECTION C
SCALE 1:50

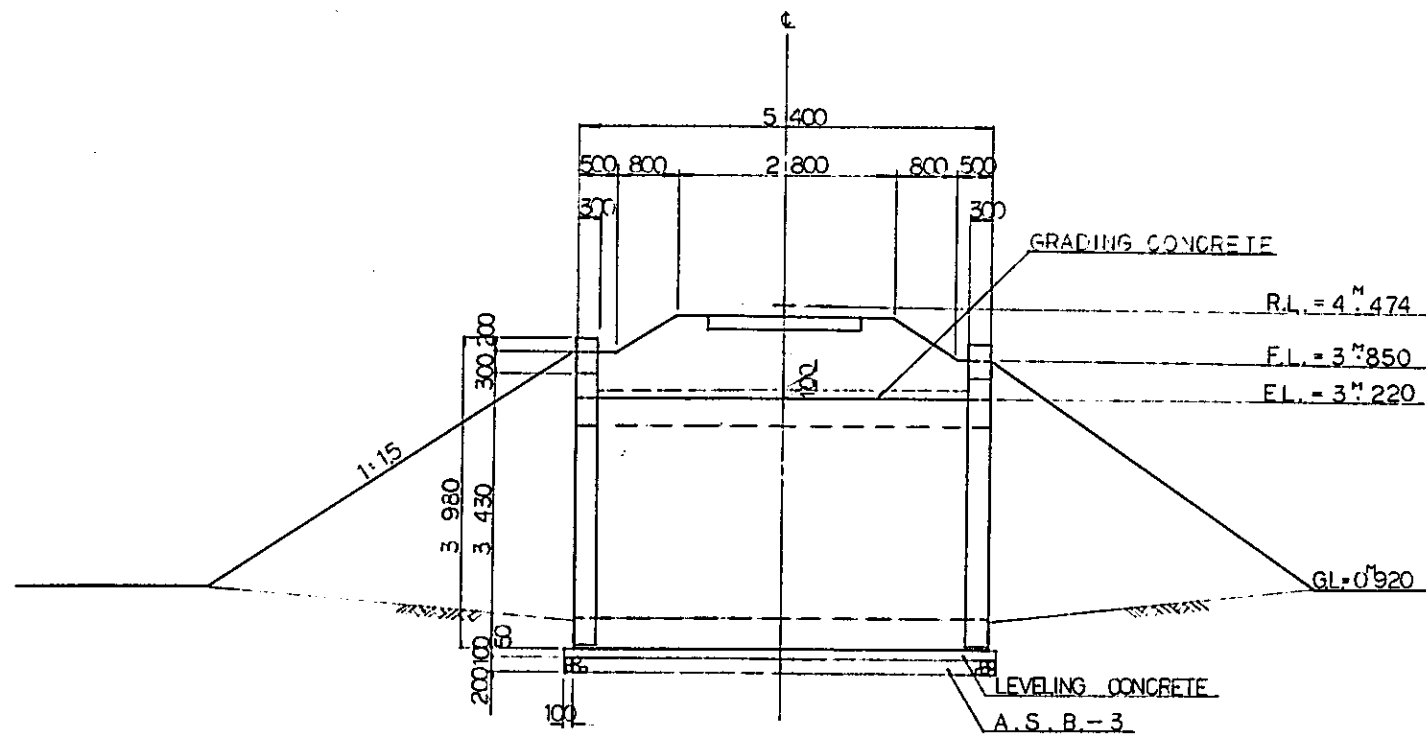
DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS 16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

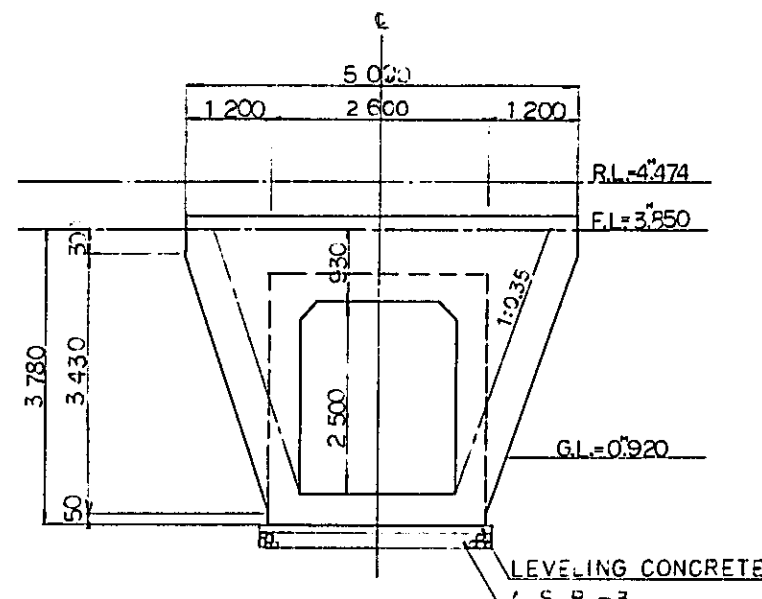
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT : CE-019
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

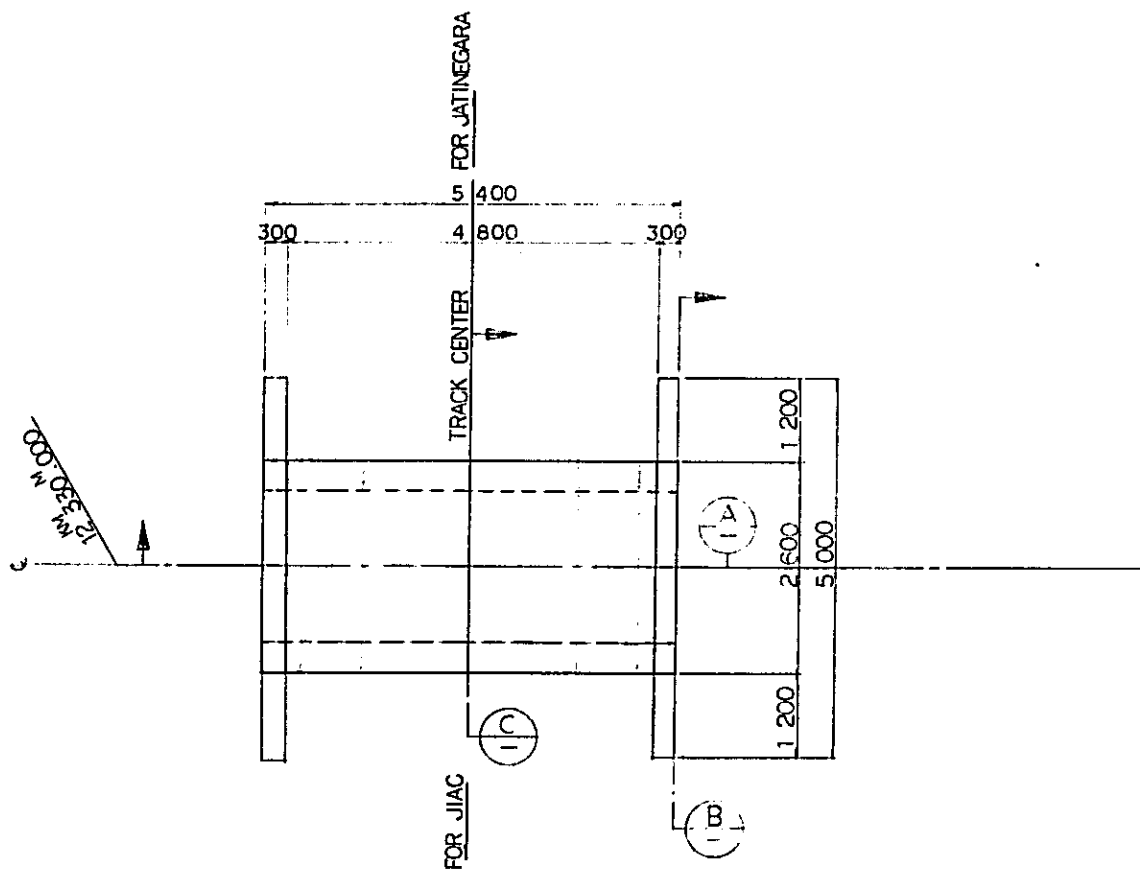
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG. '84	SS	MY	KA	KM
A	1 FEB. '84	SS	MY	KA	KM
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
BOX CULVERT Cb24 GENERAL VIEW					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	1:50	DRAWING NO.		CE-032	



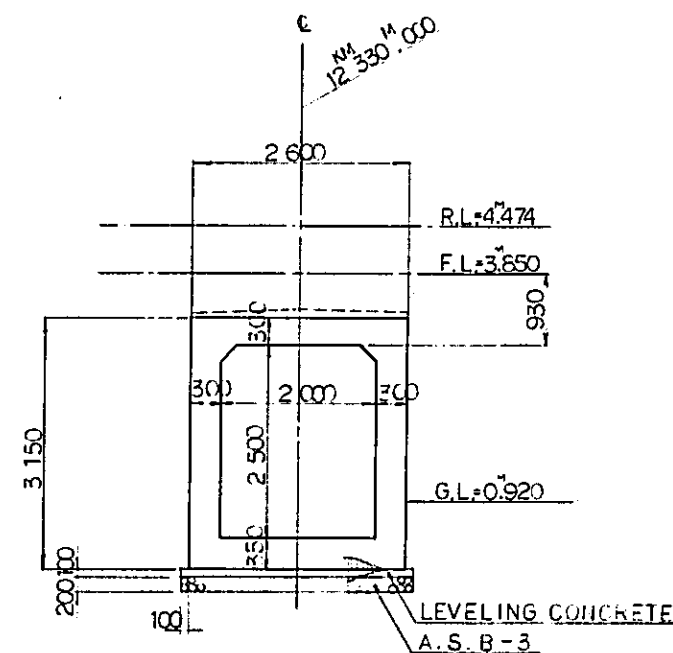
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



PLAN SCALE 1:50



SECTION C
SCALE 1:50

DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO RS-16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-019
3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

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

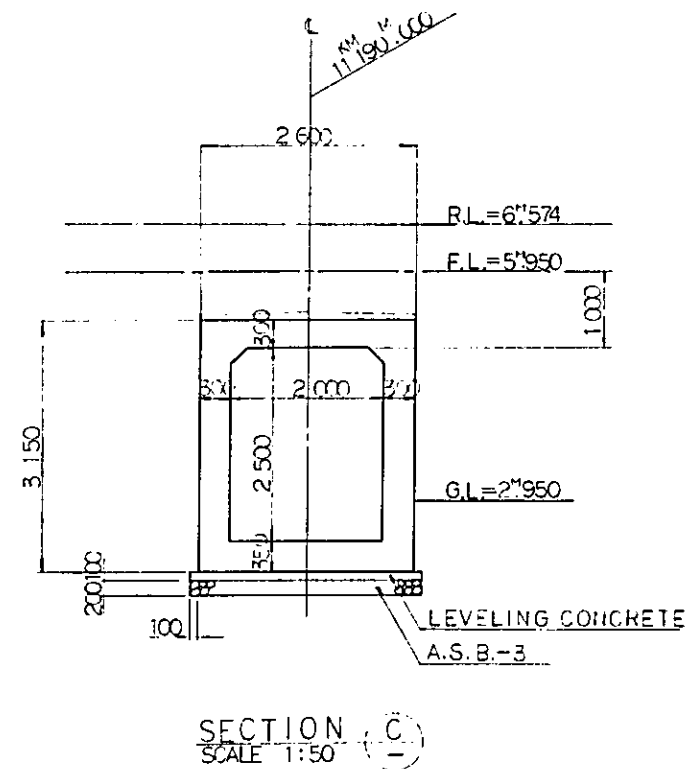
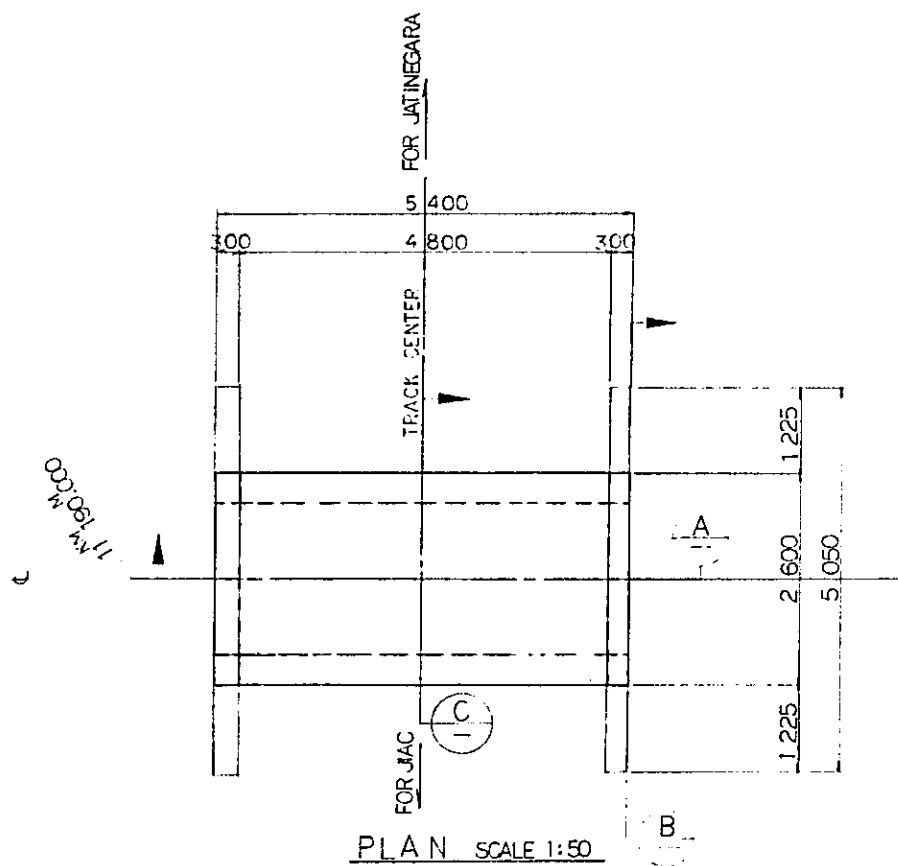
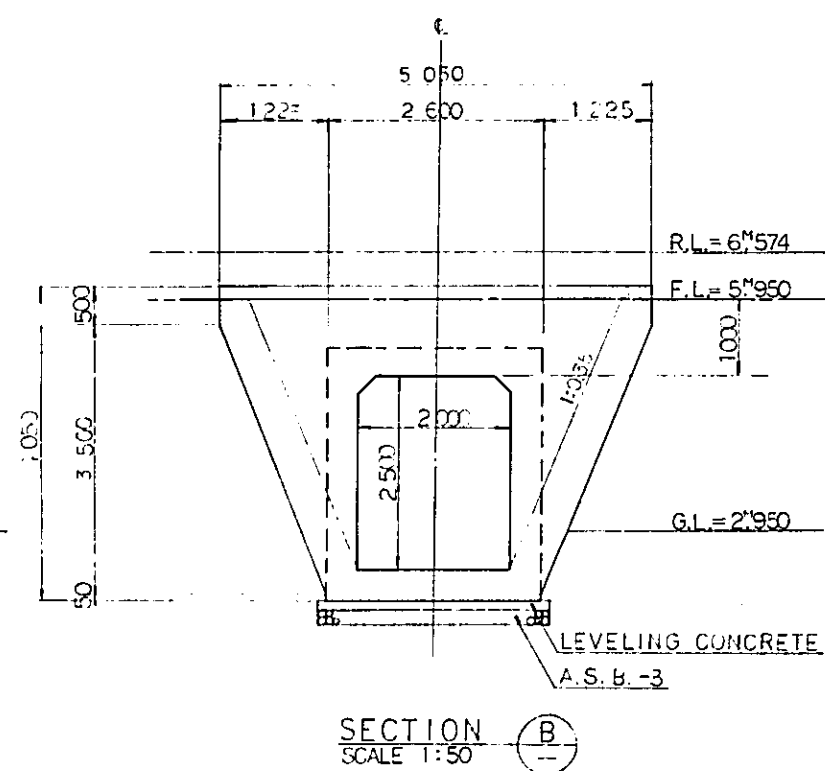
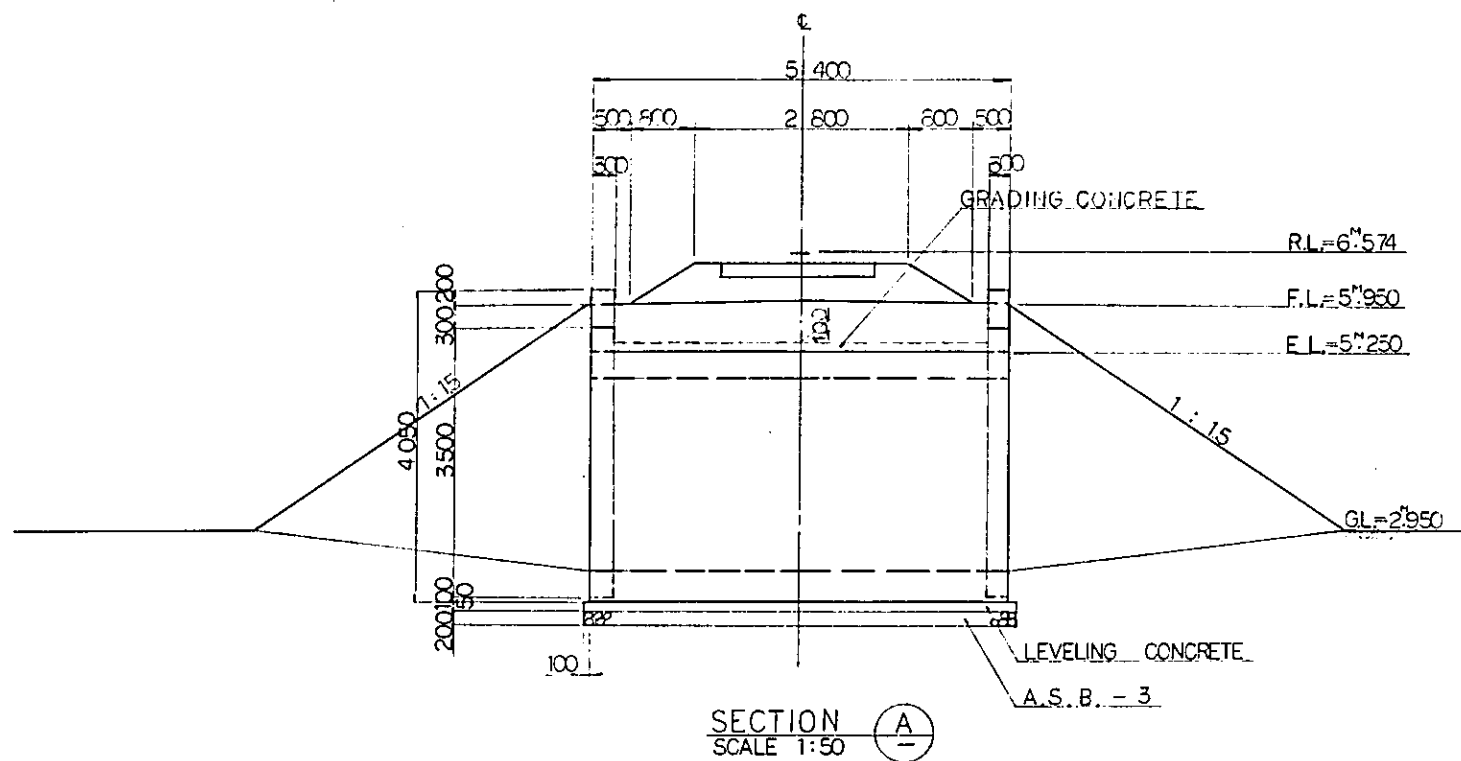
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	SUBMITTED
B	1AUG'81	SS	MY	K.A.	K.A.
A	11FEB'81	SS	MY	K.A.	K.A.

BOX-CULVERT Cb25
GENERAL VIEW

PACKAGE: I. CIVIL AND ARCHITECTURAL WORK
SCALE: 50
DRAWING NO.: CE-033



DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$f'_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-019
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 CENGKARENG AIRPORT
CONSTRUCTION PROJECT

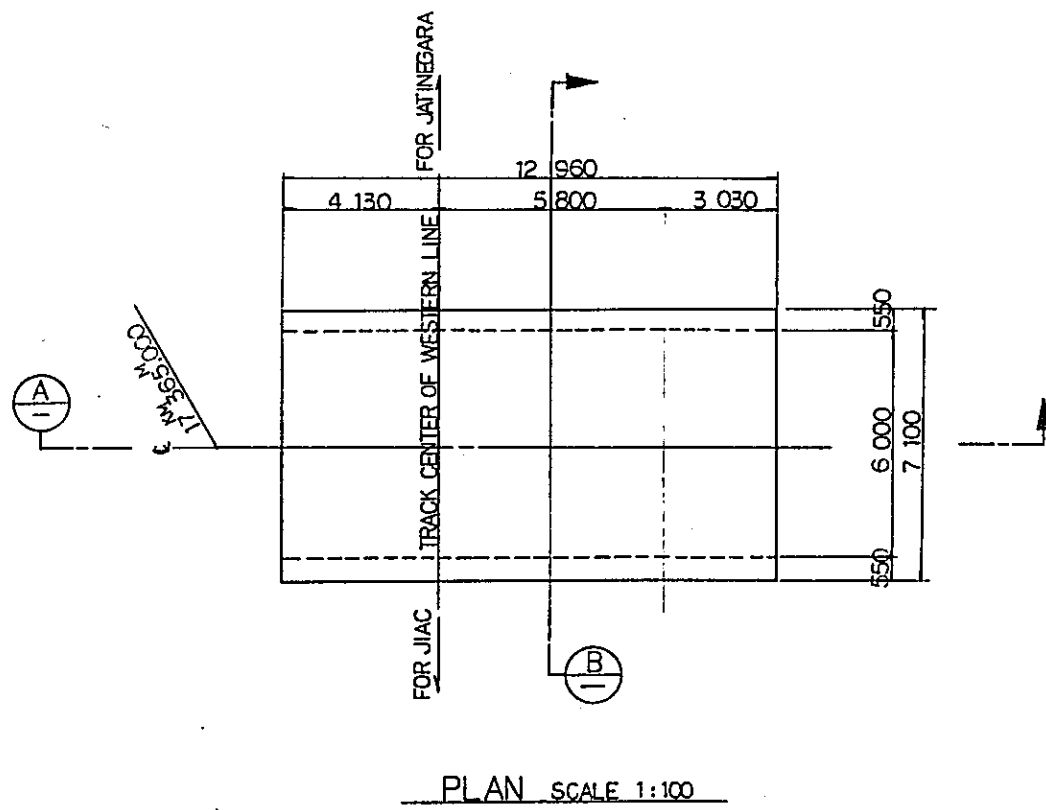
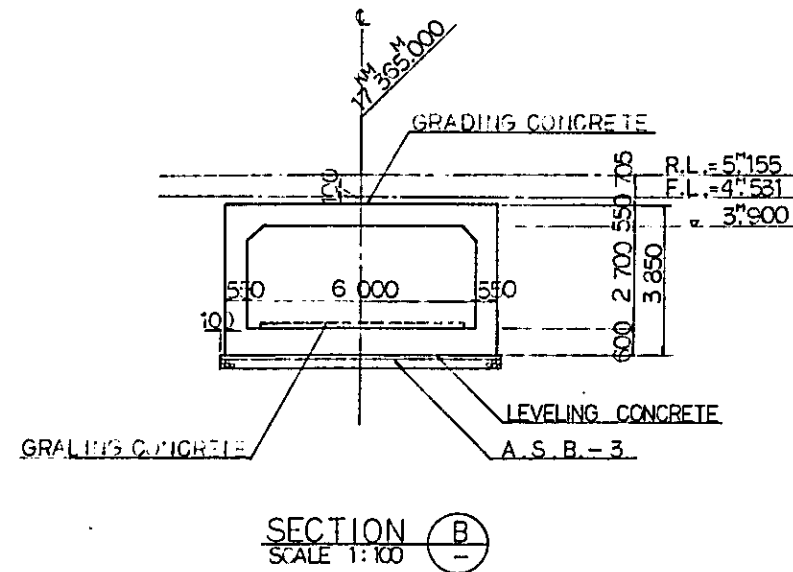
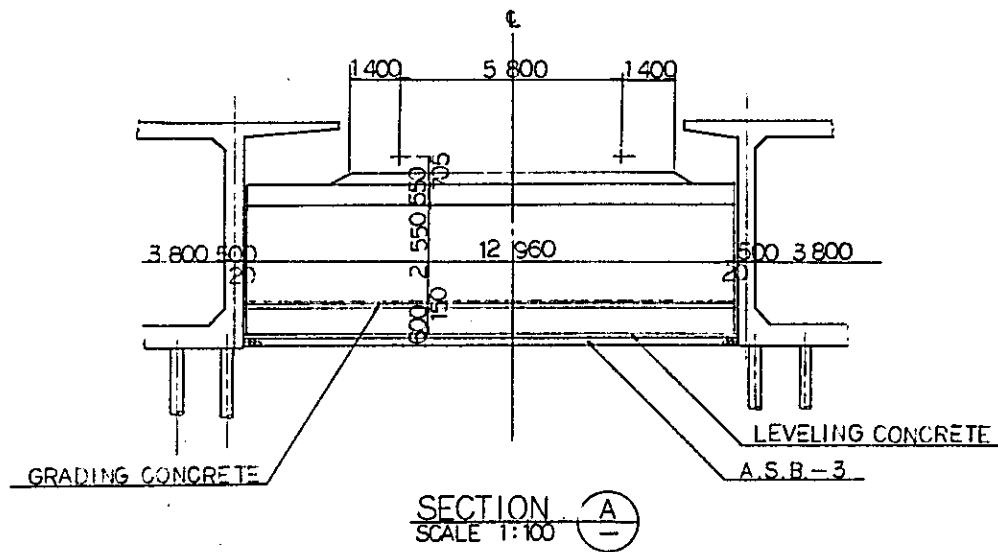
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '84	SS	MY	KA	KM	ZK
A	1 FEB '84	SS	MY	KA	KM	ZK

BOX CULVERT Cb27
GENERAL VIEW

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:50 DRAWING NO: CE-034



DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1200 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck} = 240 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CE-036
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 CENGKARENG AIRPORT
CONSTRUCTION PROJECT

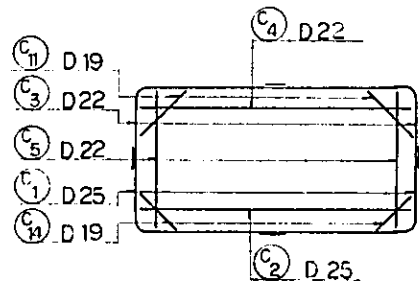
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1AUG'84	S.S.	M.Y.	K.A.	K.M.	K.A.
D	11FEB'84	S.S.	M.Y.	K.A.	K.M.	K.A.

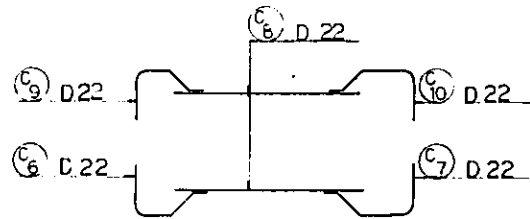
REVISIONS DATE CHECKED DRAWN

BOX CULVERT Cb29
GENERAL VIEW

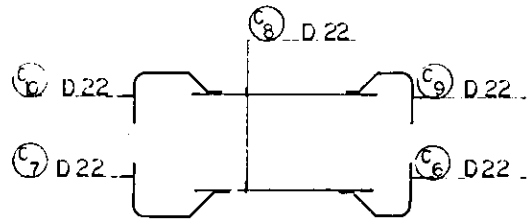
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
SCALE: 1:100 DRAWING NO: CE-035



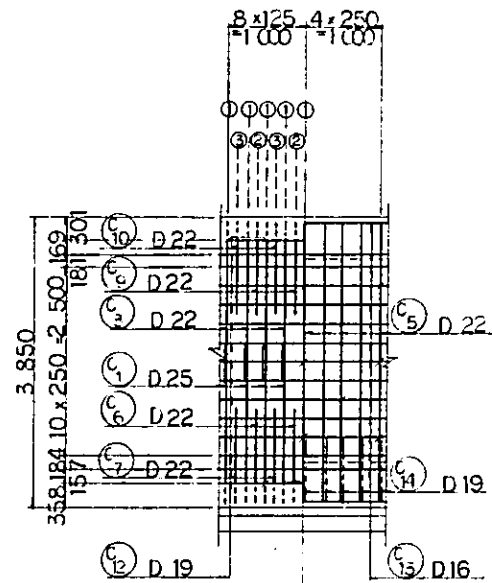
REINFORCEMENT FRAME TYPE ①



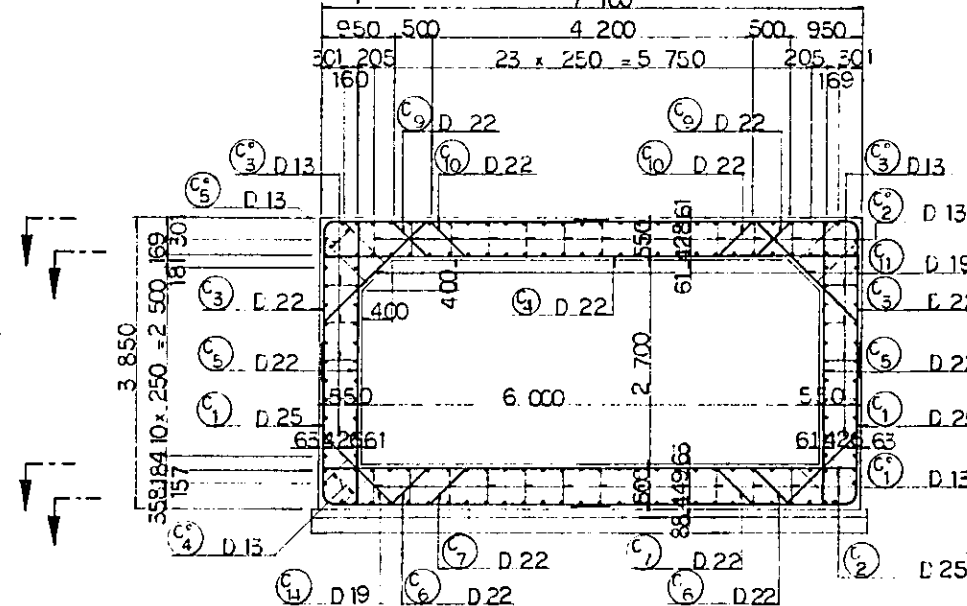
REINFORCEMENT FRAME TYPE ②



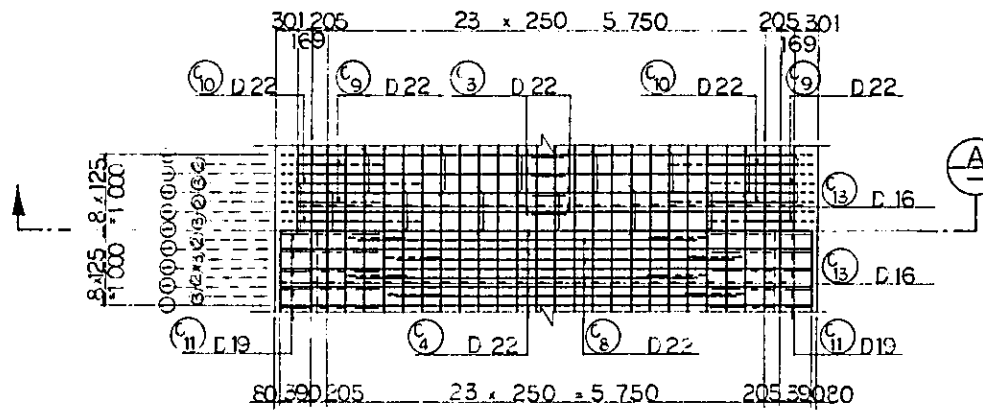
REINFORCEMENT FRAME TYPE ③



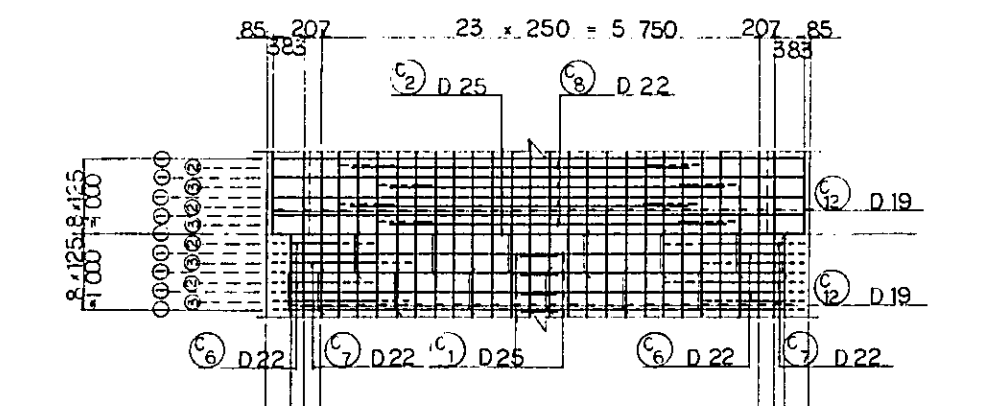
SECTION F



SECTION G



SECTION A



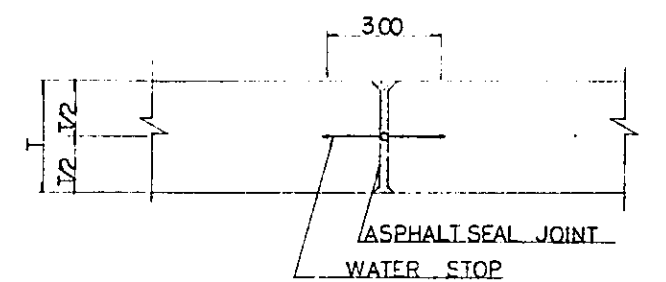
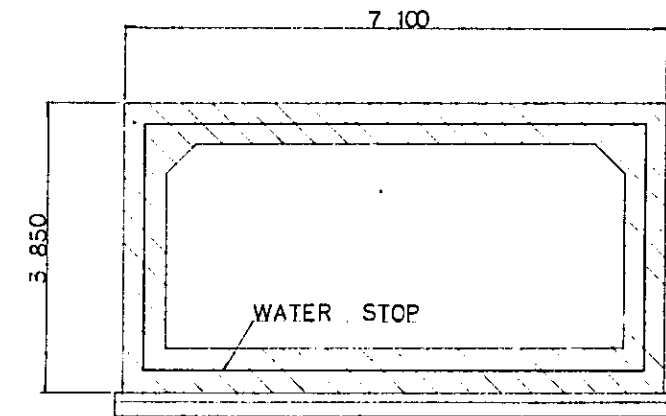
SECTION E

SECTION D

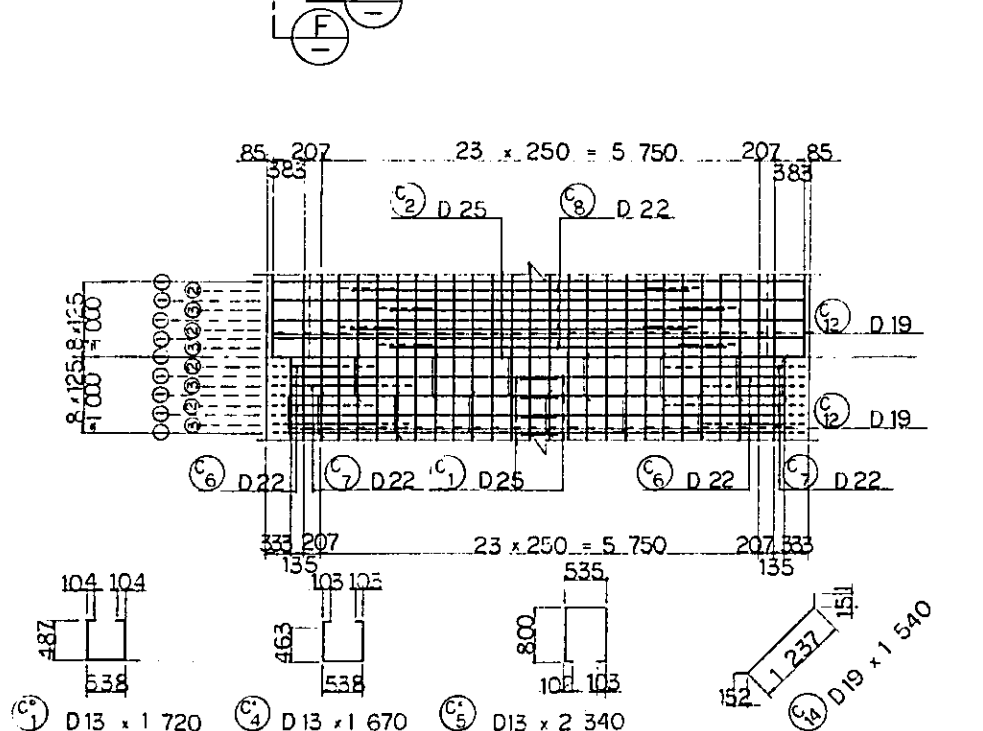
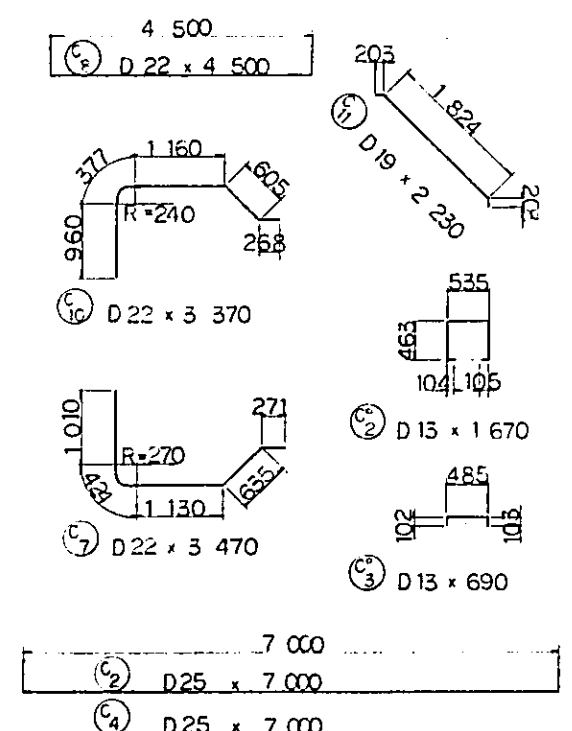
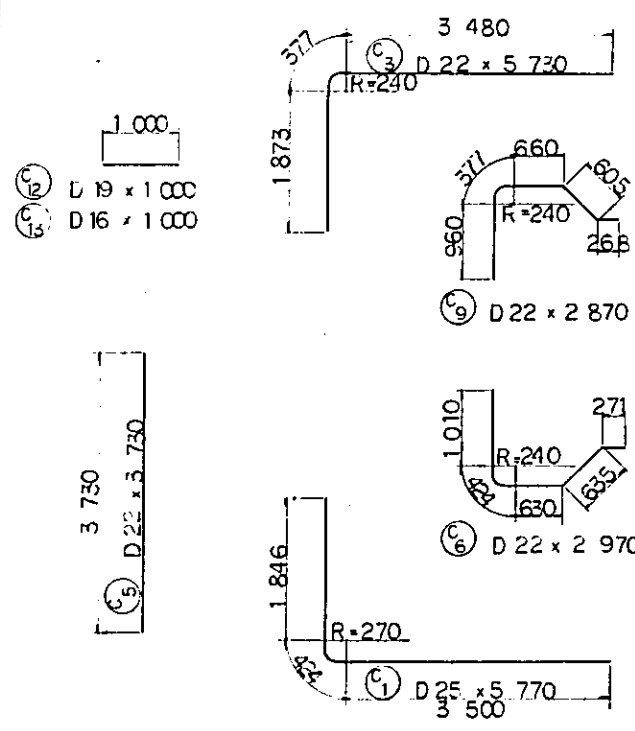
SECTION B

SECTION C

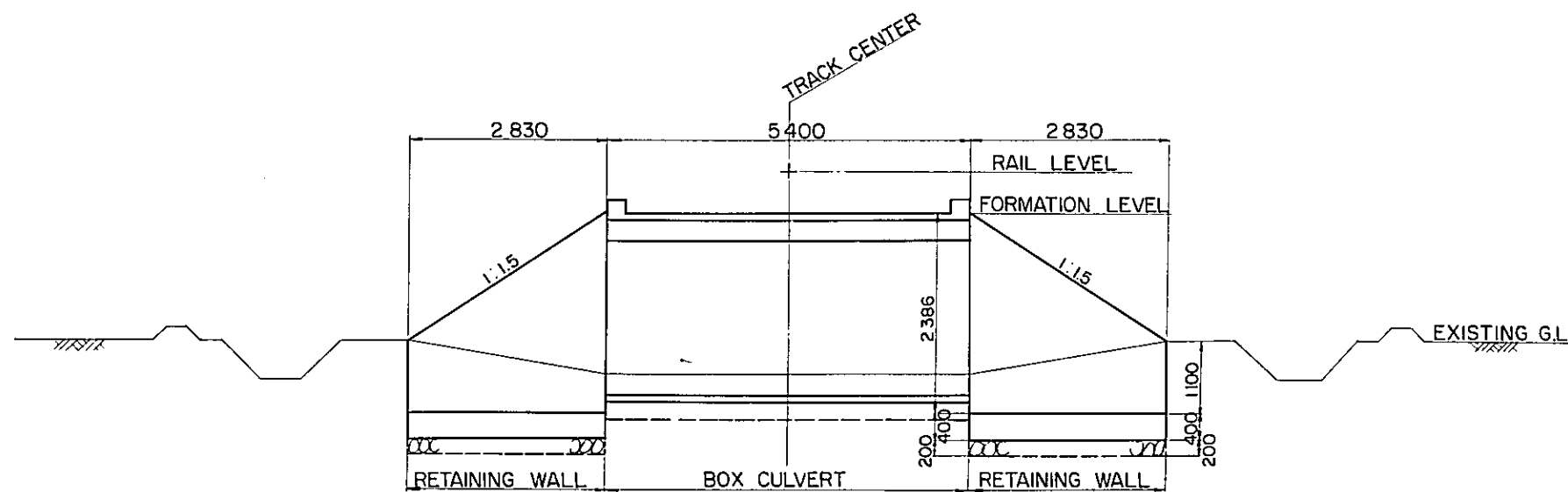
SECTION I



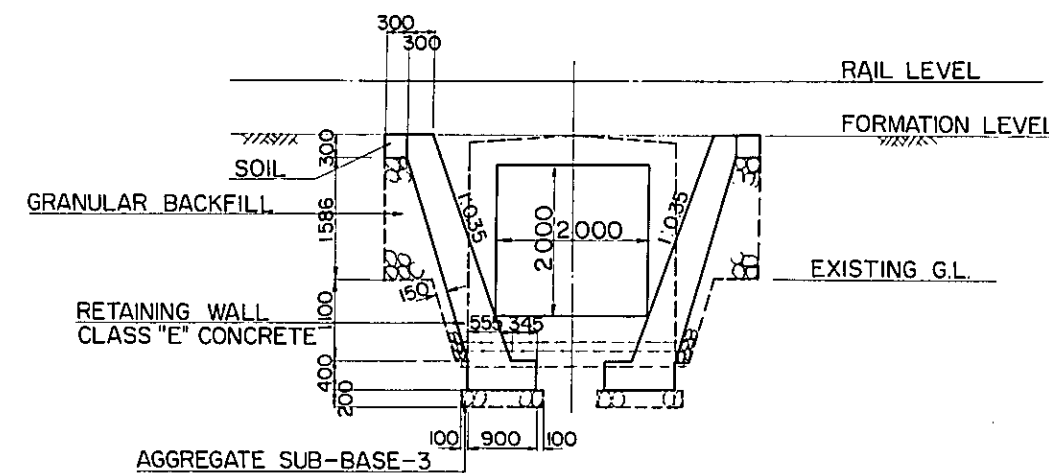
- NOTES:
- 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 - 2 REFERENCE DRAWING FOR GENERAL VIEW: CE-035



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	25	M.Y	K.C	K.M	M.S
A	15 FEB '84	55	M.Y	K.A	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
BOX CULVERT Cb 29 BAR ARRANGEMENT						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO: CE-036					
1:50						



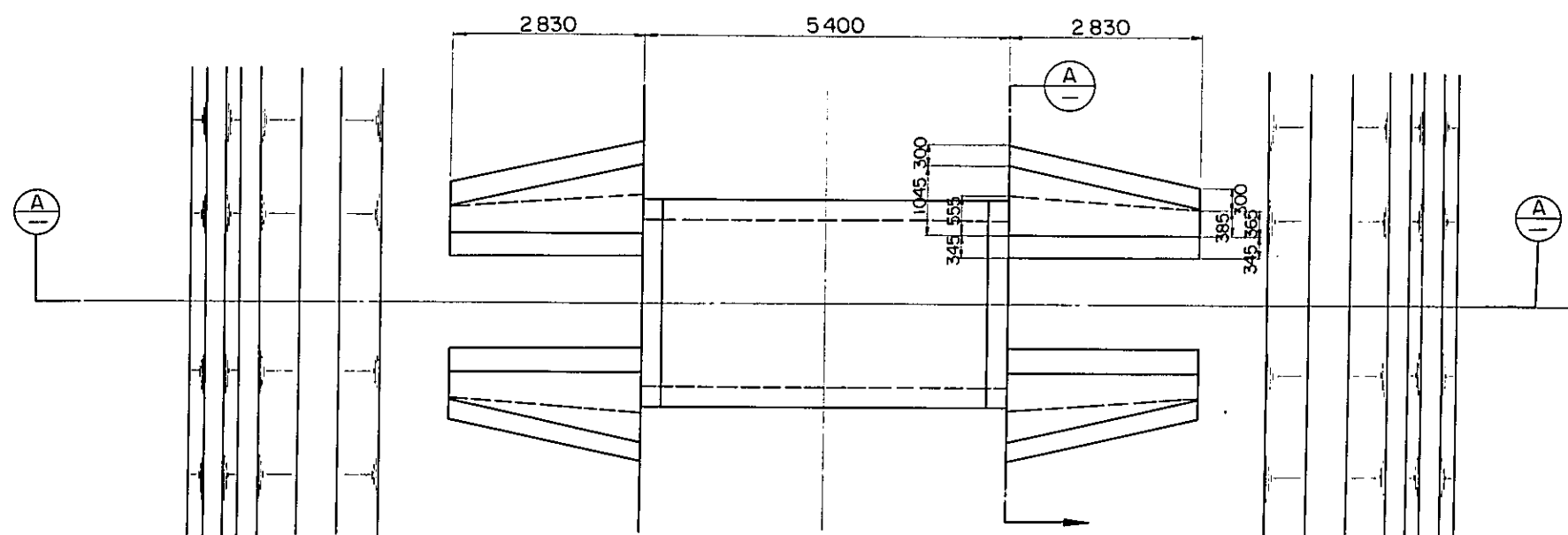
SECTION A



SECTION B

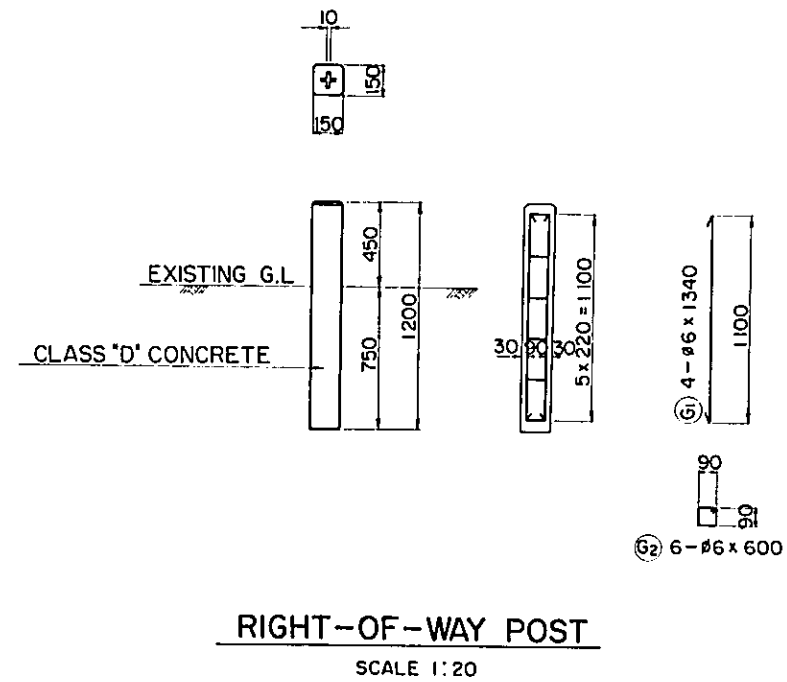
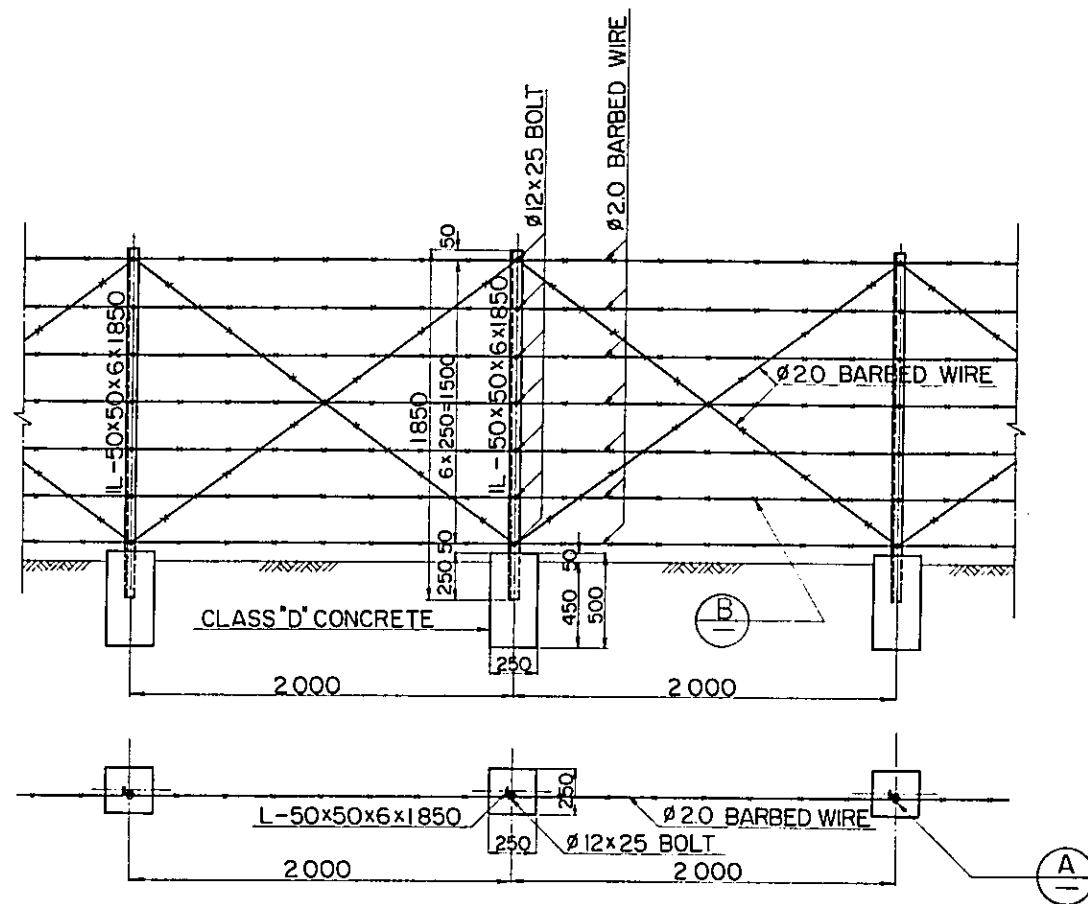
DRAIN PIPE $\phi 75$ mm U.P.V.C EACH PER $2m^2$

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



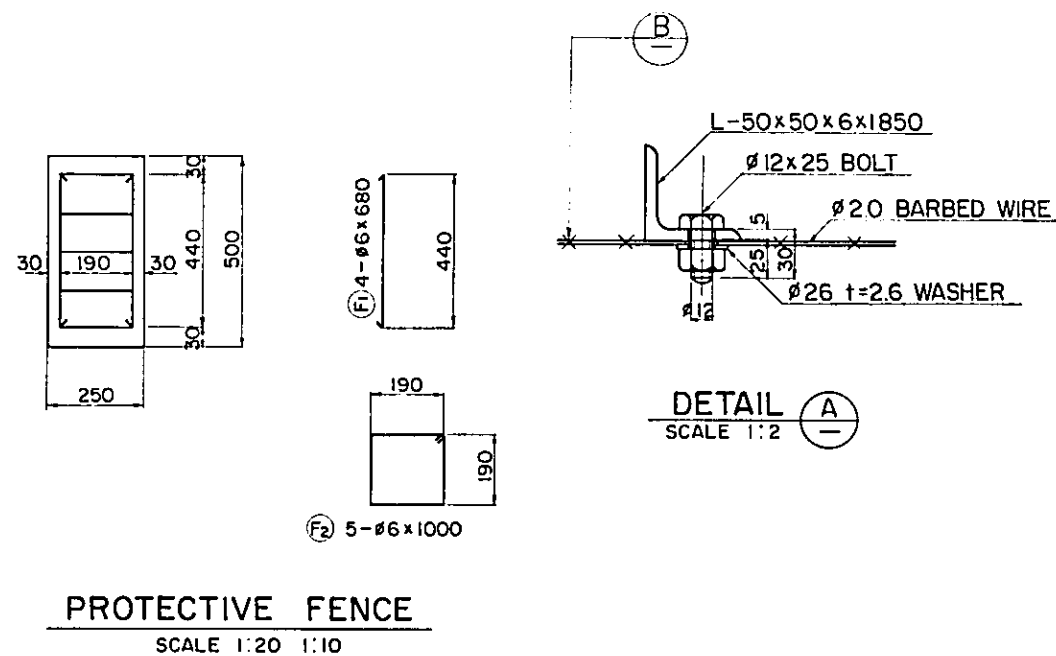
PLAN

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	T.M.	T.T	1 M	K.M.	P.K
A	15 FEB '84	T.M.	T.T	1 M	K.M.	P.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
GENERAL VIEW OF RETAINING WALL FOR BOX CULVERT						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK.						
SCALE		DRAWING NO.				
1:50		CE-037				

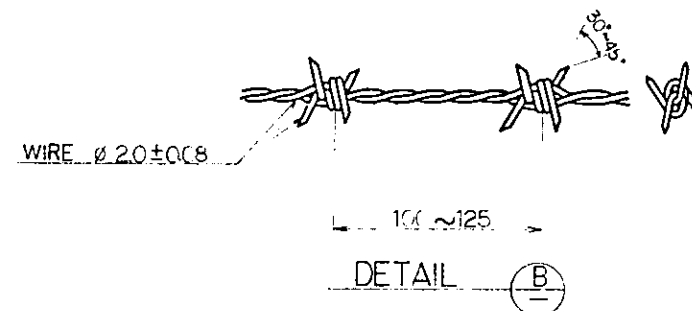


RIGHT-OF-WAY POST
SCALE 1:20

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



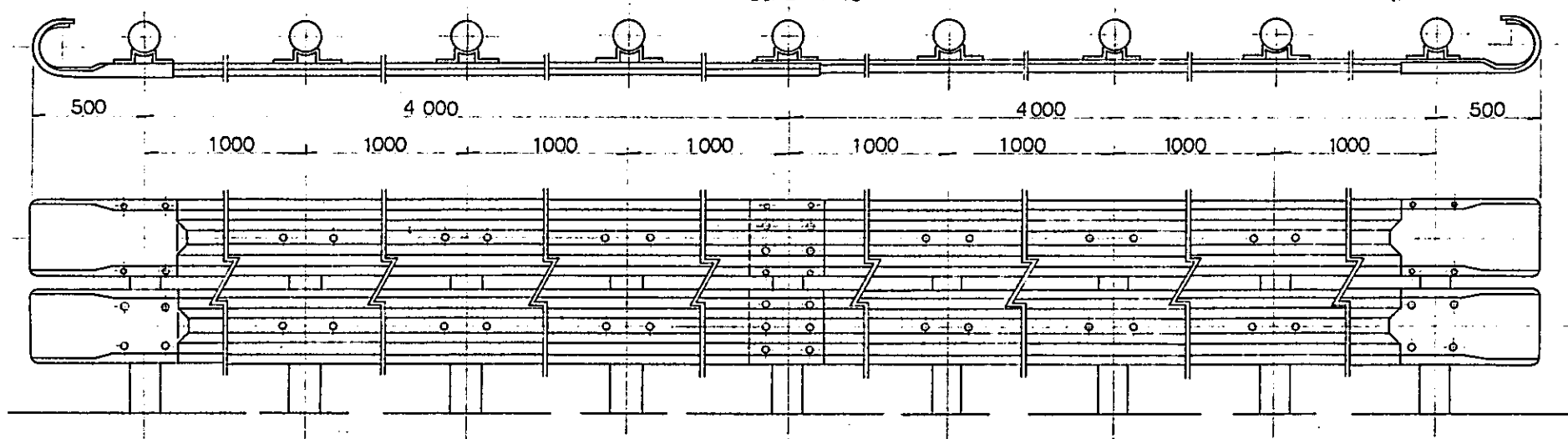
PROTECTIVE FENCE
SCALE 1:20 1:10



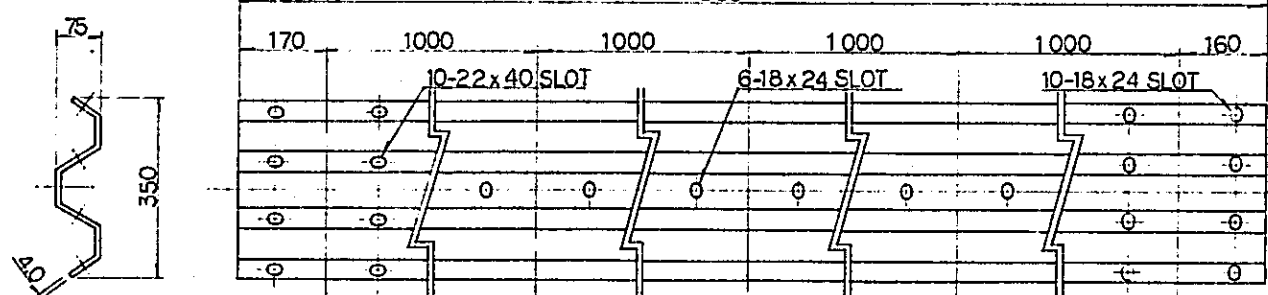
DETAIL OF ZINC-COATED BARBED WIRES

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)						
D	1. MAR. '84	J.A.	T.T.	I.M.	K.P.	M.K.
A	15 FEB. '84	T.A.	T.T.	I.M.	K.P.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
DETAILS OF FENCING FOR RIGHT-OF-WAY						
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORKS						
SCALE AS NOTED		DRAWING NO. CE-038				

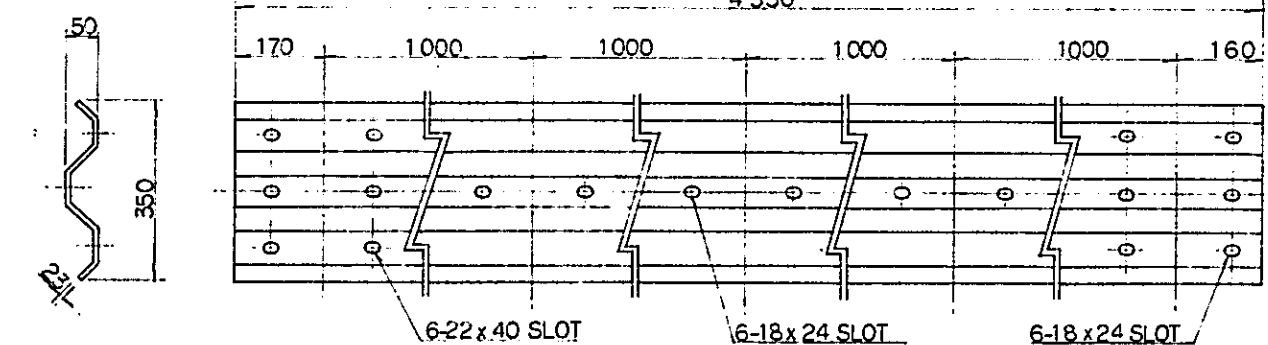
ASSEMBLY
SCALE 1:15



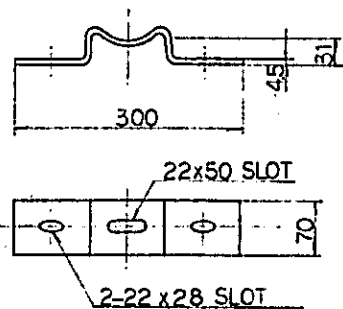
UPPER RAIL
SCALE 1:7.5
4330



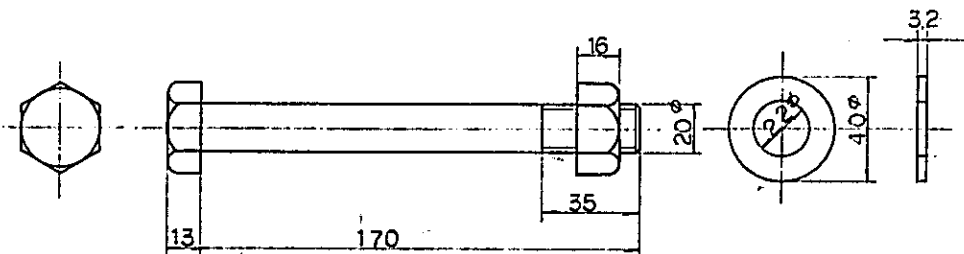
LOWER RAIL
SCALE 1:7.5
4330



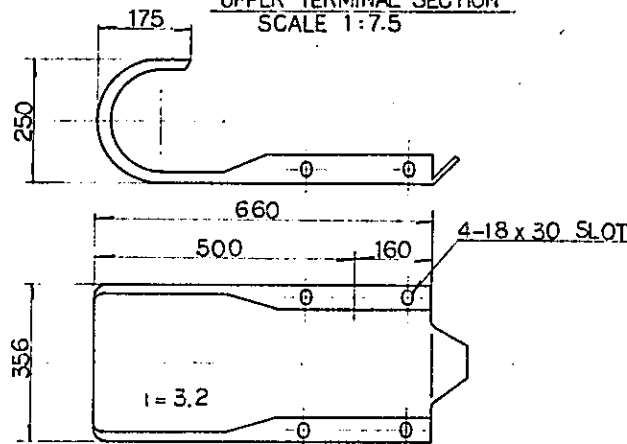
BRACKET
SCALE 1:1.5



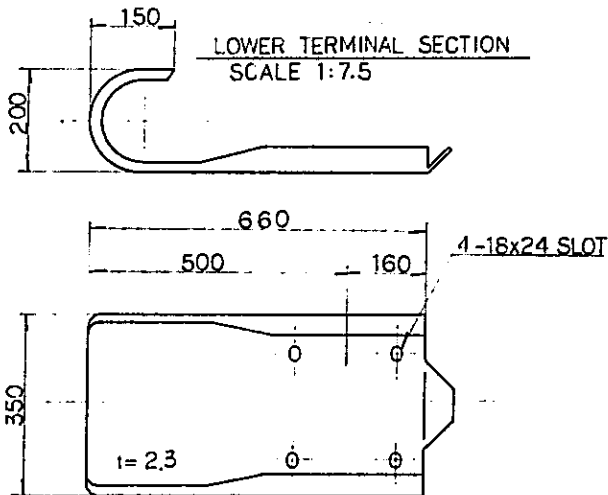
POST BOLT
SCALE 1:1.5



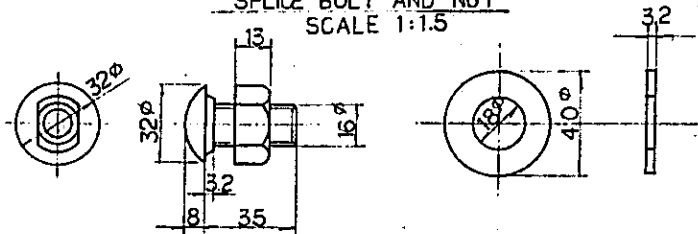
UPPER TERMINAL SECTION
SCALE 1:7.5



LOWER TERMINAL SECTION
SCALE 1:7.5

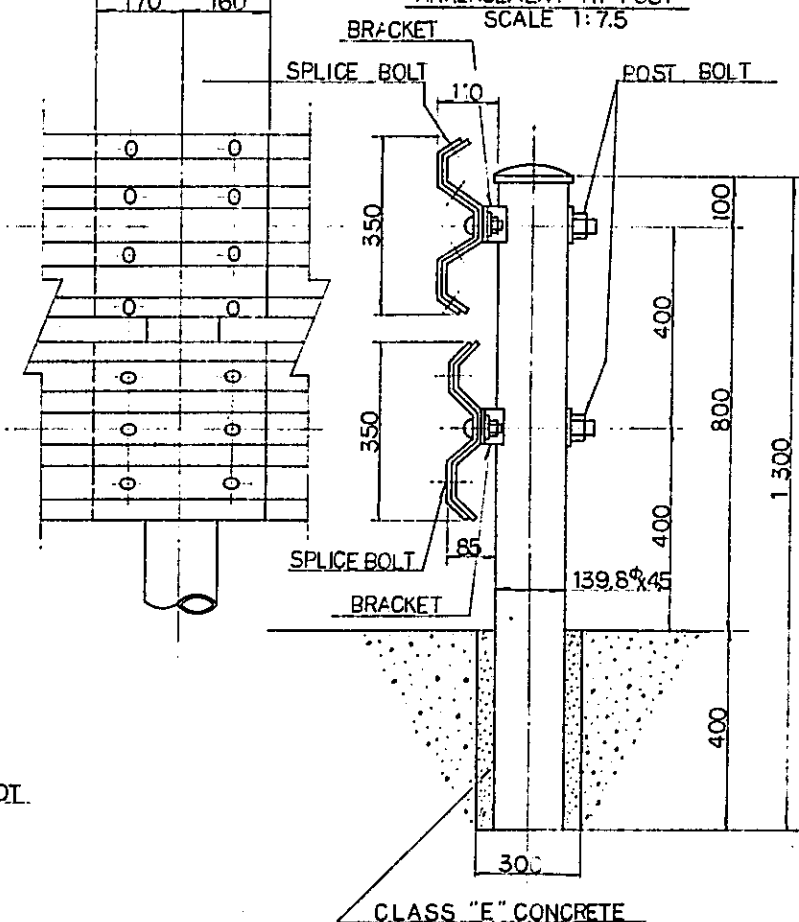


SPLICE BOLT AND NUT
SCALE 1:1.5



330
170 160

ARRANGEMENT AT POST
SCALE 1:7.5



NOTE:
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	1. AG. 84	T.N.	T.T.	I.M.	K.M.	K.K.
A	15 FEB. 89	T.N.	T.T.	I.M.	K.M.	K.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
DETAILS OF GUARDRAIL						
PACKAGE: CIVIL AND ARCHITECTURAL WORK						
SCALE: AS NOTED DRAWING NO.: CE 1039						

APPENDIX
CROSS SECTIONS
(SHEET 133)

-0^{km}050^m00

FL=6.40

Bl=75.0^m2

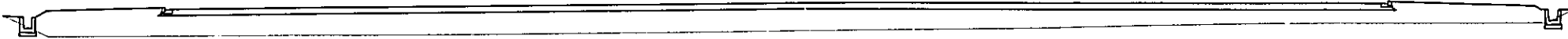


DL=5.00

-0^{km}100^m00

FL=6.40

Bl=130.7^m2



DL=5.00

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

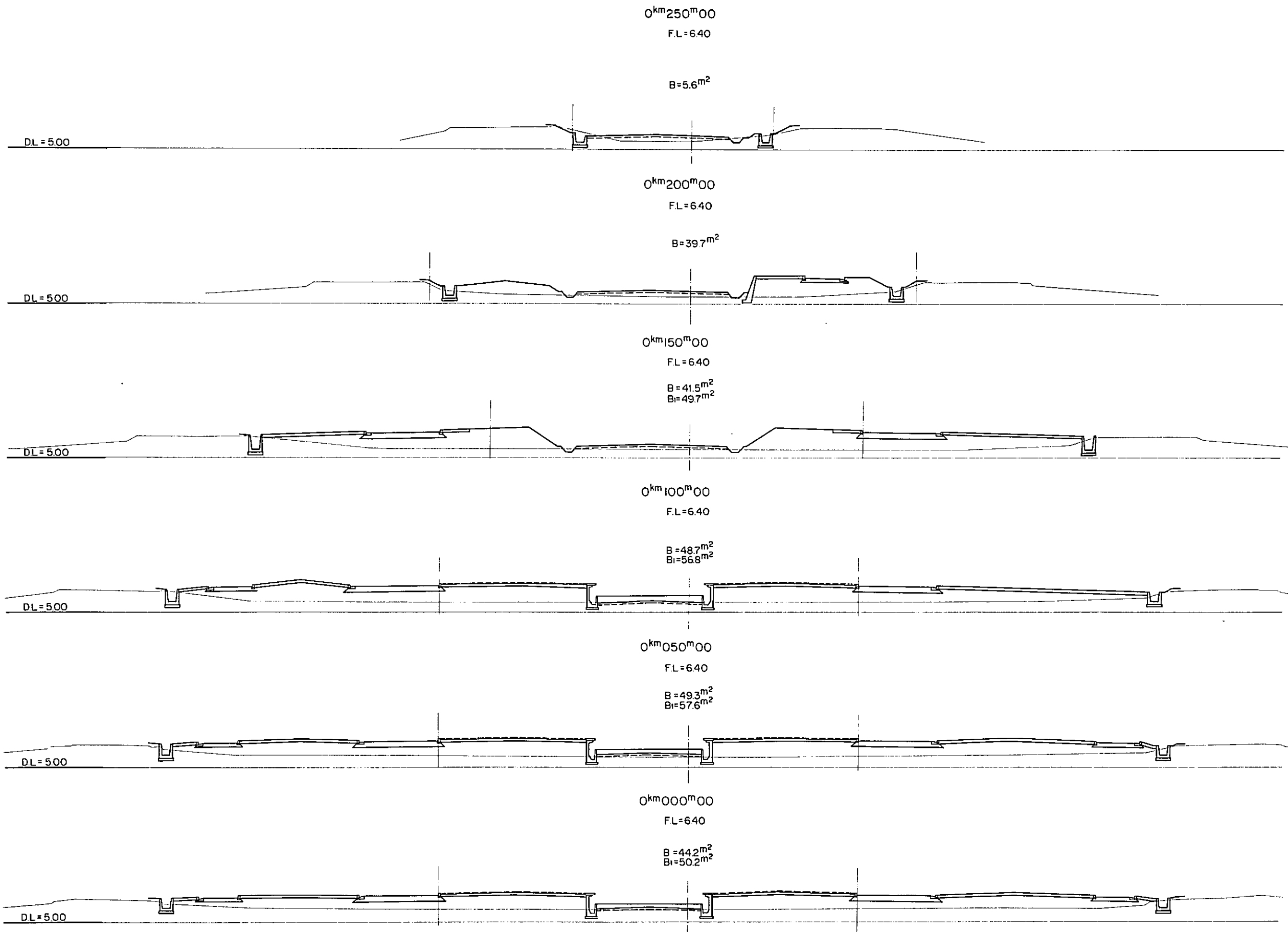
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	15. FEB 2019	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
A	15. FEB 2019	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

CROSS SECTIONS

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:200 DRAWING NO. 1



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. APR. 89	SS	SS	IM	K.M.	1/13
A	15 FEB. 89	SS	SS	IM	K.M.	1/13
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:200		DRAWING NO: 2				

228-4

0 Km 400 m 00
GH = 5.66
FL = 6.40

B = 5.0m²

DL = 0.00

0 Km 350 m 00
GH = 5.67
FL = 6.40

B = 4.5m²

DL = 0.00

0 Km 300 m 00
GH = 6.01
FL = 6.40

B = 1.6m²

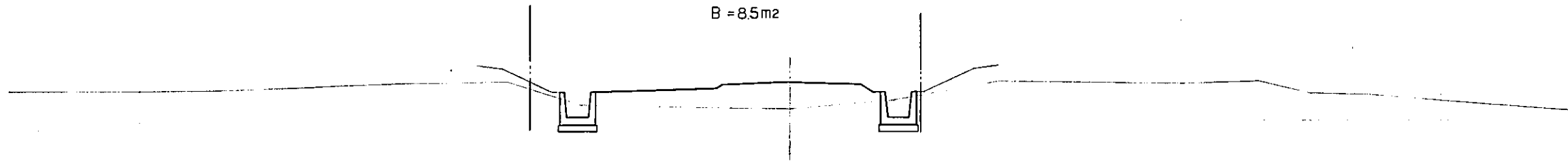
DL = 0.00

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	JJ	JJ	I.H	K.M.	M.K.
A	15 FEB. 84	JJ	JJ	I.H	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.		3	

228-5

0Km500m00
GH=5.44
FL=6.52

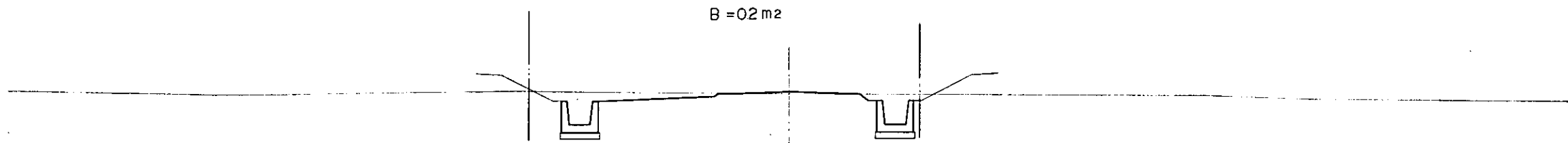
B = 8.5m²



DL = 0.00

0Km478m18
GH=6.45
FL=6.48

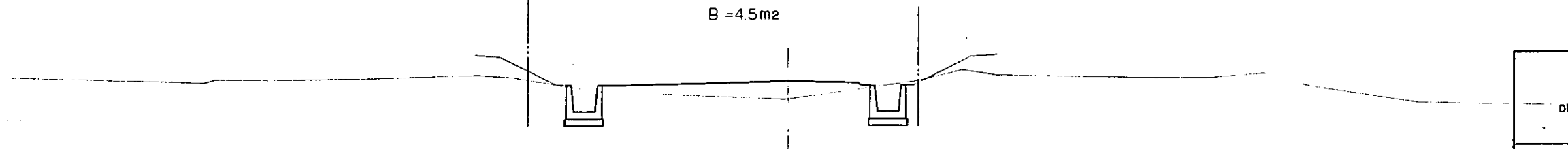
B = 0.2m²



DL = 0.00

0Km450m00
GH=5.73
FL=6.40

B = 4.5m²



DL = 0.00

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. 04	SD	SD	I.M	K.M	M.K
A	15 FEB. 04	SD	SD	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.		4	

228-6

0 Km 550 m 00
GH = 5.37
FL = 6.82

B = 11.6 m2

DL = 0.00

0 Km 600 m 00
GH = 5.28
FL = 6.72

B = 11.2 m2

DL = 0.00

0 Km 550 m 00
GH = 5.44
FL = 6.62

B = 8.6 m2

DL = 0.00

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 89	JJ	JJ	1.4	K.M.	M.K.
A	15 FEB 89	JJ	JJ	1.4	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					5
1:100						

228-7

0 Km 800 m 00
GH = 5.53
FL = 6.84

B = 8.4 m²

DL = 0.00

0 Km 750 m 00
GH = 5.43
FL = 6.84

B = 10.5 m²

DL = 0.00

0 Km 700 m 00
GH = 5.34
FL = 6.84

B = 11.9 m²

DL = 0.00

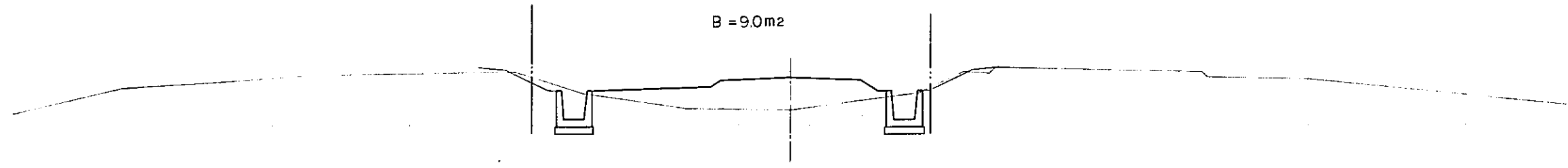
▽3.64

▽2.79

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	J.J.	J.J.	I.M.	K.M.	M.K.
A	15 FEB. 84	J.J.	J.J.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					
1:100	6					

0 Km 950 m 00
 GH = 5.48
 FL = 6.84

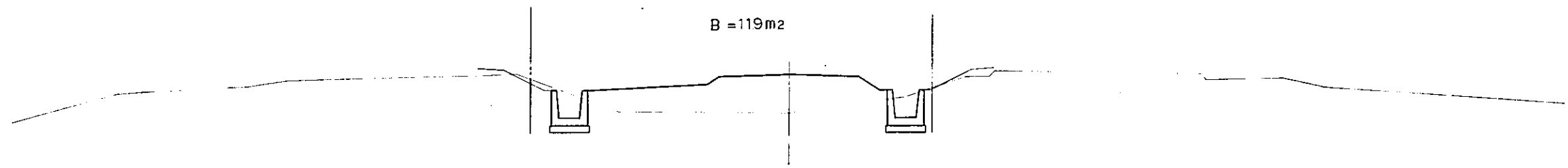
B = 9.0 m²



DL = 0.00

0 Km 900 m 00
 GH = 5.38
 FL = 6.84

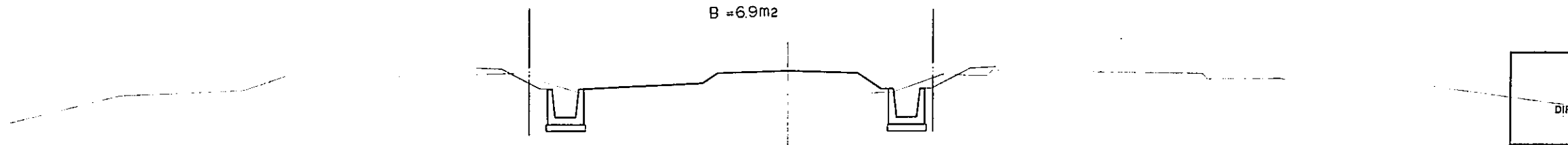
B = 11.9 m²



DL = 0.00

0 Km 850 m 00
 GH = 5.90
 FL = 6.84

B = 6.9 m²

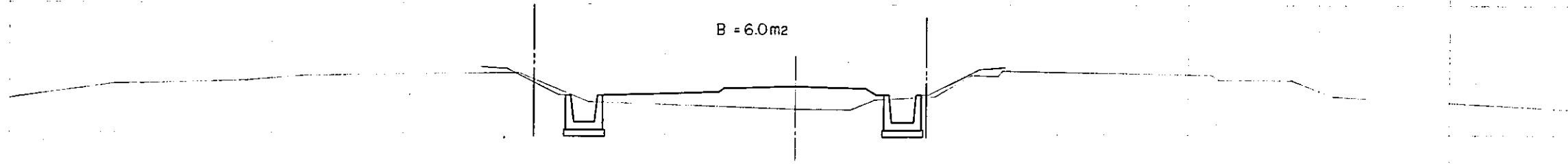


DL = 0.00

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	JJ	JJ	1.4	K.M.	M.K.
A	15 FEB. 84	JJ	JJ	1.4	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.	7		

Km 100+00
 G.H. = 5.97
 F.L. = 6.84

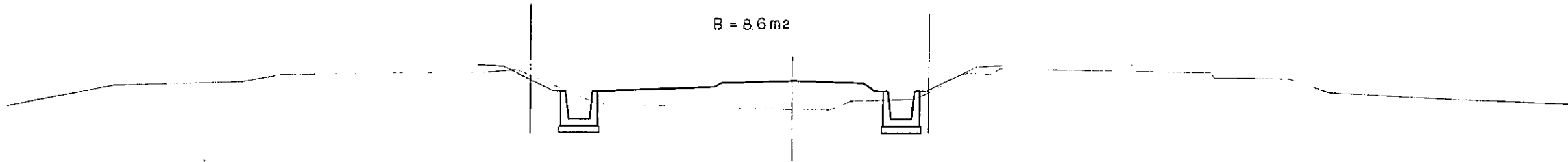
B = 6.0m²



DL = 0.00

Km 050+00
 G.H. = 5.73
 F.L. = 6.84

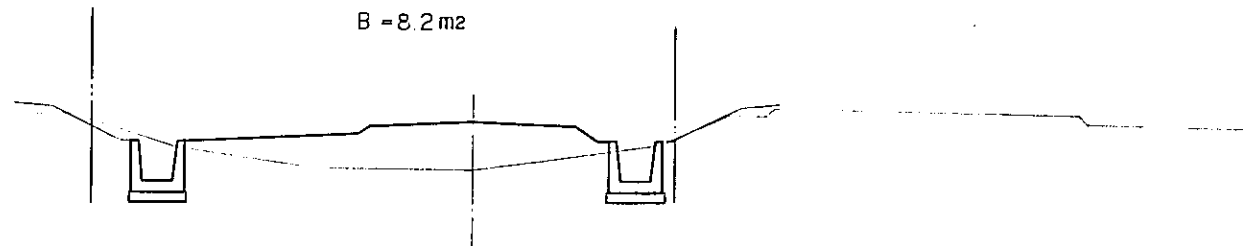
B = 8.6m²



DL = 0.00

Km 000+00
 G.H. = 5.60
 F.L. = 6.84

B = 8.2m²



DL = 0.00

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)						
B	1 AUG 89	JJ	JJ	1.4	K.M.	M.K
A	15 FEB 89	JJ	JJ	1.4	K.M.	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				8

228-10

1 Km 250m⁰⁰
 GN+6.40
 FL=6.84

B = 3.0m²

DL=0.00

1 Km 200m⁰⁰
 GN+6.30
 FL=6.84

B = 3.1m²

DL=0.00

1 Km 150m⁰⁰
 GN+6.20
 FL=6.84

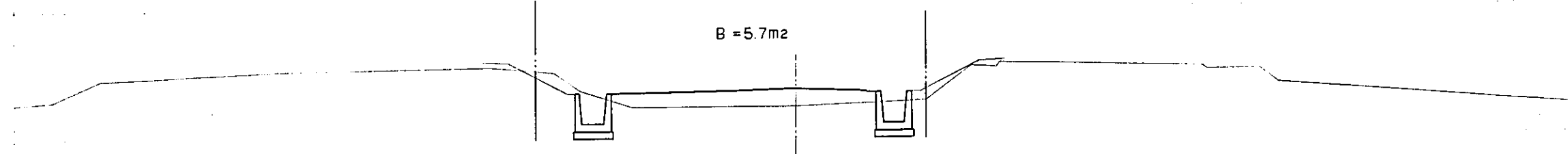
B = 4.3m²

DL=0.00

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	JJ	JJ	I.H	K.M	M.K
A	15 FEB 84	JJ	JJ	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				9

1 Km 400m 00
 GH = 6.20
 FL = 6.84

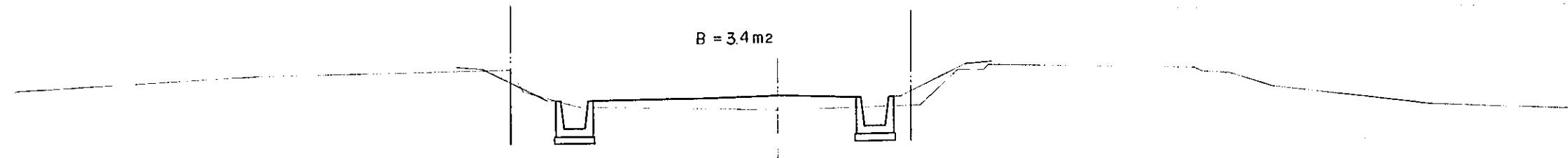
B = 5.7m²



DL + 0.00

1 Km 350m 00
 GH = 6.32
 FL = 6.84

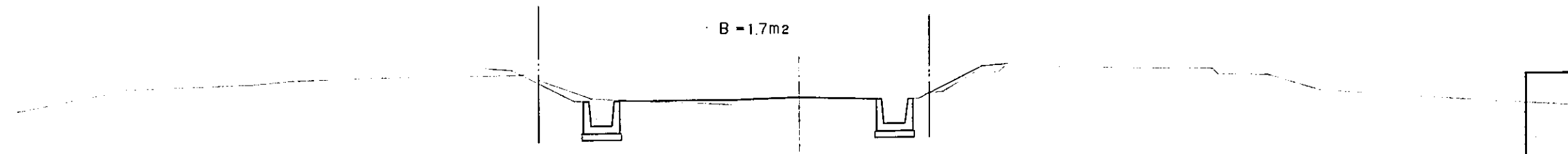
B = 3.4m²



DL + 0.00

1 Km 300m 00
 GH = 6.43
 FL = 6.84

B = 1.7m²



DL + 0.00

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	JJ	JJ	IM	U.M	A.K
A	15 FEB. 84	JJ	JJ	IM	U.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				10

228-12

1 Km 550m00
GH+5.86
FL=6.84

B = 10.3m2

DL+0.00

1 Km 500m00
GH+5.51
FL=6.84

B = 8.1m2

DL+0.00

1 Km 450m00
GH+5.06
FL=6.84

B = 7.5m2

DL+0.00

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. 89	JJ	JJ	I.M	K.M	M.K
A	15 FEB. 89	JJ	JJ	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					11
1:100						

228-13

Km 650m 00
GH = 5.16
FL = 6.69

B = 11.7m²

DL = 0.00

Km 600m 00
GH = 5.48
FL = 6.84

B = 10.2m²

DL = 0.00

Km 571m 30
GH = 7.33
FL = 6.84

DL = 0.00

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. '89	JJ	JJ	1.4	K.M.	AK
A	15 FEB. '89	JJ	JJ	1.4	K.M.	AK
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				12

228-14

1 Km 800m00
GH = 93
FL = 6.24

B = 10.3m²

DL = 0.00

1 Km 750m00
GH = 93
FL = 6.39

B = 11.3m²

DL = 0.00

1 Km 700m00
GH = 93
FL = 6.54

B = 10.2m²

DL = 0.00

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	J.J.	J.J.	1.4	K.M.	M.K.
A	15 FEB. 84	J.J.	J.J.	1.4	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.	13		

228-15

Km 950+00
GH=4.99
FL=6.09

B = 8.8m²

DL+0.00

Km 900+00
GH=4.64
FL=6.09

B = 10.6m²

DL+0.00

Km 850+00
GH=4.91
FL=6.09

B = 9.4m²

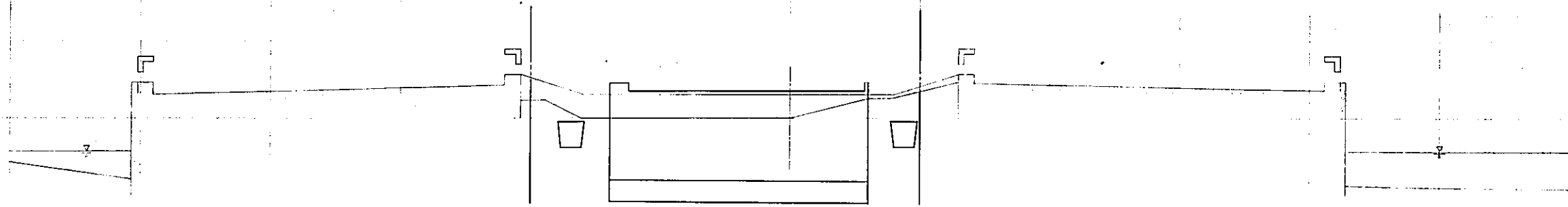
DL+0.00

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	J.J	J.J	I.M	K.M	M.K
A	15 FEB 84	J.J	J.J	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			14	

228-16

2Km010m72
GH1592
FL=6.09

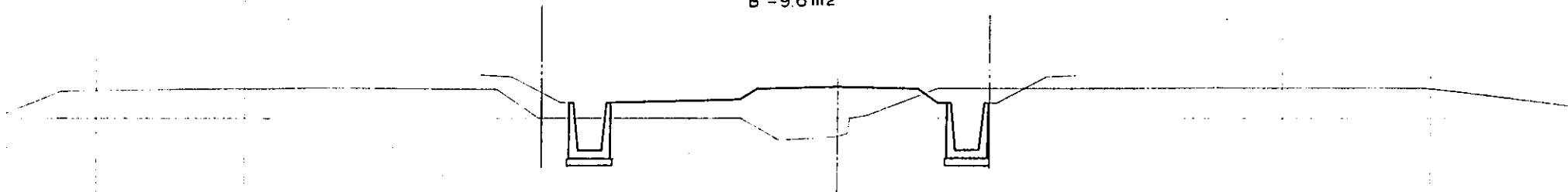
B = 0.0m²



DL+0.00

2Km000m00
GH1439
FL=6.09

B = 9.6 m²



DL+0.00

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	J.J	J.J	1.4	K.M	M.K
A	15 FEB 84	J.J	J.J	1.4	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				15

228-17

2Km 050m 00

GN = 5.40

FL = 6.09

B = 3.8 m²

C = 1.6 m²

DL = 0.00

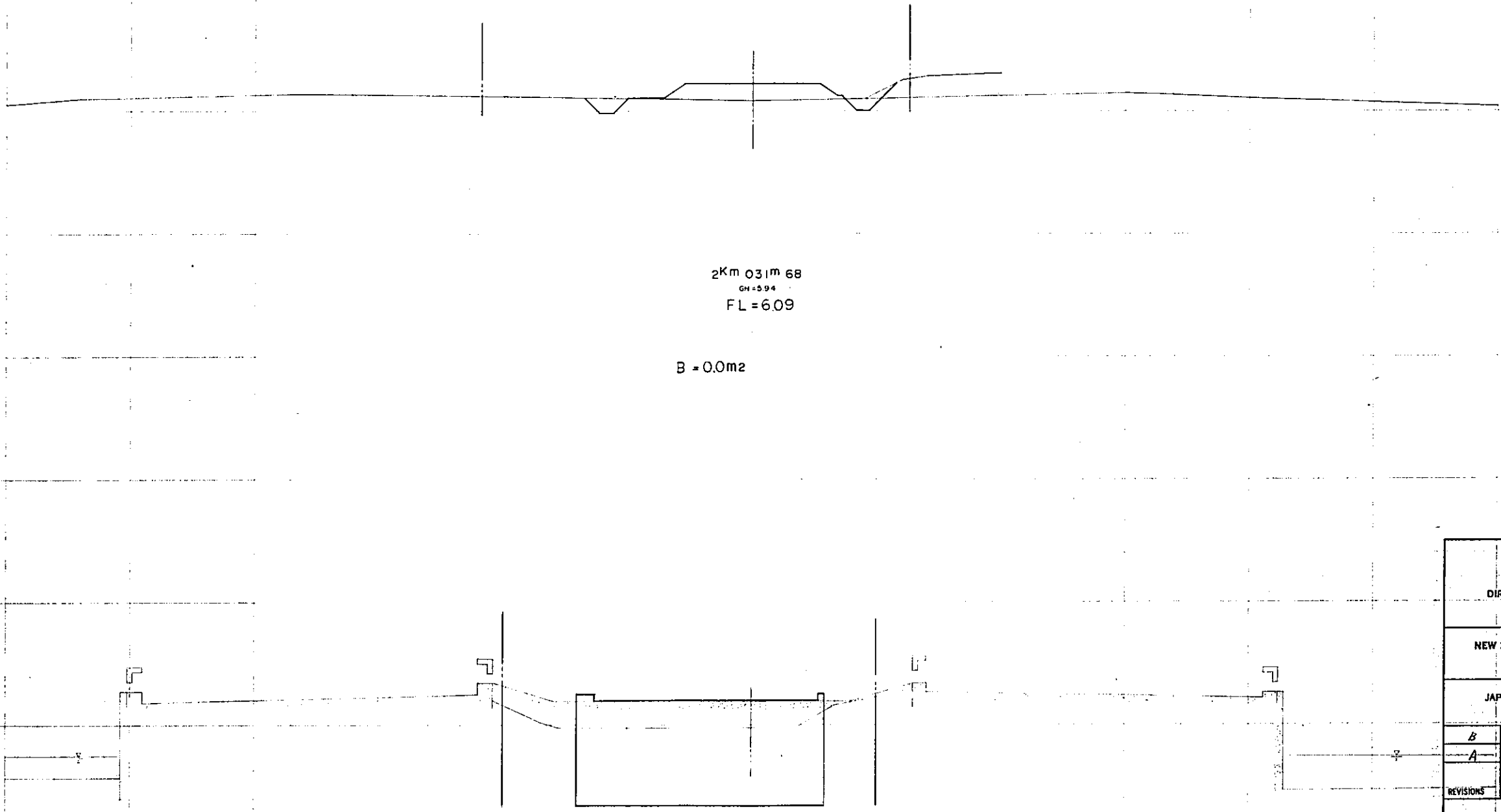
2Km 031m 68

GN = 5.94

FL = 6.09

B = 0.0 m²

DL = 0.00



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	J.J.	J.J.	1.4	K.M.	M.K.
A	15 FEB. 84	J.J.	J.J.	1.4	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				16

228-18

2Km 100m 00
GH = 5.78
FL = 6.09

B = 1.8 m²
C = 2.0 m²

DL = 0.00

2Km 080m 98
GH = 5.38
FL = 6.09

B = 4.5 m²
C = 1.4 m²

DL = 0.00

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. 89	T.T.	T.N.	I.H.	K.M.	M.K.
A	15 FEB. 89	T.T.	T.N.	I.H.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				17

228-19

2Km 200m 00
GH + 6.06

FL - 6.09

B = 0.1 m²
C = 1.4 m²

DL + 0.00

2Km 150m 00
GH + 5.90

FL - 6.09

B = 1.2 m²
C = 1.4 m²

DL + 0.00

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)						
B	1 AUG. '89	T.T	T.N	I.H	K.M	A.K
A	15 FEB. '89	T.T	T.N	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				18

228-20

B.T.C = 2Km257m 69
GN+5.91

FL+6.09

B = 1.0 m²
C = 1.8 m²

DL+0.00

2Km 250m 00
GN+5.87

FL+6.09

B = 1.3 m²
C = 1.6 m²

DL+0.00

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	T.T	T.N	I.M	U.M	M.K
A	13 FEB. 84	T.T	T.N	I.M	U.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			19	

228-21

B.C.C = 2Km317m69

CH 15 89
FL = 6.09

B = 1.2m²
C = 1.8m²

DL = 0.00

2Km 287m69

CH 15 86
FL = 6.09

B = 1.3m²
C = 1.6m²

DL = 0.00

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	T.T	T.H	I.H	K.M	M.K
A	15 FEB 84	T.T	T.H	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				20

228-22

2Km 400m 00

GH = 500

FL = 6.09

B = 10.8 m²

C = 1.1 m²

DL = 0.00

2Km 350m 00

GH = 566

FL = 6.09

B = 2.5 m²

C = 1.7 m²

DL = 0.00

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	T.T	T.K	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.K	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				21

228-23

SP- 2Km477m48
GH+4.47

FL-6.09

B-12.9m²
C-1.4m²

DL+0.00

2Km450m00
GH+4.59

FL-6.09

B-11.7m²
C-1.4m²

DL+0.00

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	T.T	T.N	I.H	K.M.	M.K
A	15 FEB. 84	T.T	T.N	I.H	K.M.	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				22

228-24

2Km 550m00
GH+4.70
FL-6.09

B+10.6 m²
C+2.0 m²

DL+0.00

2Km 500m00
GH+4.53
FL-6.09

B+11.7 m²
C+1.4 m²

DL+0.00

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	T.T	T.H	I.H	K.M.	K
A	15 FEB. 84	T.T	T.H	I.H	K.M.	K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:		23		

228-25

E.C.C = 2 Km 637 m 28

GH 474

FL = 6.09

B = 9.7 m²

C = 1.5 m²

DL = 0.00

2 Km 600 m 00

GH 476

FL = 6.09

B = 11.7 m²

C = 1.3 m²

DL = 0.00

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	T.T	T.N	I.M	K.M	A.K
A	15 FEB 84	T.T	T.N	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.		24	

228-26

ETC = 2Km 697m 28

GN = 4.97

FL = 6.09

B = 11.9m²

C = 0.7m²

ROAD

DL = 0.00

2Km 667m 28

GN = 4.98

FL = 6.09

B = 8.0m²

C = 1.4m²

DL = 0.00

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	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					25
1:100						

228-27

2Km 750m 00

G_M = 5.37

FL = 6.09

B = 5.3 m²
C = 1.5 m²

DL = 0.00

2Km 700m 00

G_M = 4.86

FL = 6.09

B = 12.5 m²
C = 0.7 m²

ROAD

DL = 0.00

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	T.T	T.N	1.4	K.M	M.K
A	15 FEB. '84	T.T	T.N	1.4	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					26
1:100						

228-28

2 Km 825m 00

CH+4.89

FL-6.09

B = 9.4 m²

C = 3.8 m²

DL = 0.00

2 Km 800m 00

CH+4.70

FL-6.09

B = 11.2 m²

C = 3.3 m²

DL = 0.00

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	T.T	T.K	I.H	K.M	A.K
A	15 FEB '84	T.T	T.H	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO:		27	

228-29

2Km 900m 00

GH+4.28

FL-6.09

B-14.8 m²

C-1.3 m²

DL+0.00

2Km 850m 00

GH+4.83

B-9.9 m²

C-0.6 m²

DL+0.00

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 '02	T.T	T.N	I.H	K.M	R.K
A	15 FEB '04	T.T	T.N	I.H	K.M	R.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					28
1:100						

228-30

2 Km 990m 00

GH+5.53

FL-6.09

B-3.2

LC

DL+0.00

2 Km 950m 00

GH+4.17

FL-6.09

B-70.3 m²
C-0.4 m²

SUB STATION

DL+0.00

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	T.T.	T.N.	I.M.	K.M.	M.K.
A	15 FEB. 84	T.T.	T.N.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				29

228-31

3Km 050m 00
Gn = 4.44
FL - 6.09

B = 12.7 m²
C = 1.5 m²

DL = 0.00

3Km 000m 00
Gn = 4.72
FL - 6.09

B = 22.3 m

DL = 0.00

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	T.T	T.H	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.H	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				30

228-32

3km 200m00
GH=450

FL = 5.59m

B = 8.8 m²
C = 1.4 m²

DL = 0.00

3km 150m00
GH=416

FL = 5.84

B = 13.5 m²
C = 1.4 m²

DL = 0.00

3km 100m00
GH=429

FL = 6.08

B = 14.7 m²
C = 1.4 m²

DL = 0.00

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	T.T.	T.N.	I.M.	K.M.	M.K.
A	15 FEB. 84	T.T.	T.N.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				31

228-33

3Km 350m⁰⁰
GH+1.23

FL-4.84

B-39.0 m²

DL=0.00

SAND

3Km 300m⁰⁰
GH+4.30

FL-5.09

B-5.4 m²

C-1.4 m²

DL=0.00

3Km 250m⁰⁰
GH+3.73

FL-5.34

B-9.1 m²

C-1.4 m²

DL=0.00

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 89	T.T	T.N	L.M	R.M	M.K
A	15 FEB 84	T.T	T.N	L.M	R.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			32	

228-34

3Km 450m00
GH=2.69
FL=4.34

B=13.2m²
C=1.4m²

DL=0.00

3Km 400m00
GH=2.66
FL=4.59

B=15.0m²
C=1.7m²

DL=0.00

3Km 375m00
GH=3.82
FL=4.72

B=13.1m²
C=0.7m²

DL=0.00

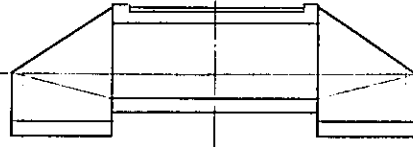
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG 89	T.T	T.N	I.H	K.M	M.K
A	15 FEB 89	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				33

228-35

3Km600m00
GH=235

FL=4.09

B=0.2 m²
C=1.4 m²

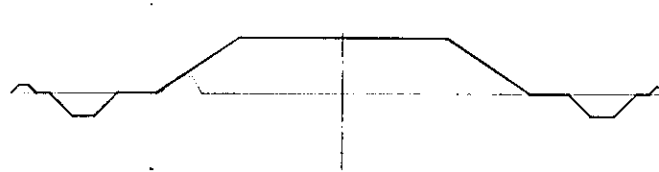


DL=0.00

3Km550m00
GH=268

FL=4.09

B=10.0 m²
C=1.5 m²

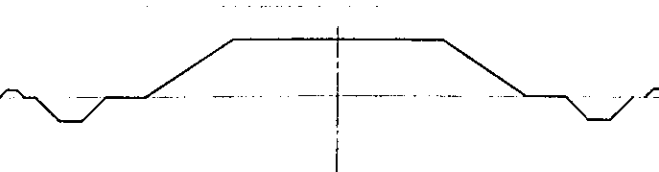


DL=0.00

3Km500m00
GH=262

FL=4.10

B=13.5 m²
C=1.4 m²



DL=0.00

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	T.T	T.N	I.H	K.M	M.K
A	15 FEB. '84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					
1:100	34					

228-36

B.T.C = 3^{Km}703^m16
GH+2.69

FL-4.09

B-10.7 m²
C- 1.4 m²

DL=0.00

3^{Km}700^m00
GH+2.69

FL-4.09

B-10.7 m²
C- 1.4 m²

DL=0.00

3^{Km}650^m00
GH+2.55

FL-4.09

B-12.1 m²
C- 1.4 m²

DL=0.00

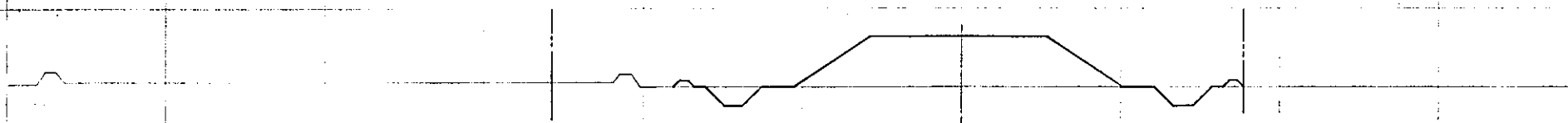
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '84	T.T	T.N	I.H	K.M	A.K
A	15 FEB '84	T.T	T.N	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				35

228-37

3Km800m00
GH+2.51

FL-4.09

B-12.5 m²
C- 1.4 m²



DL+0.00

B.C.C = 3Km763m16
GH+2.55

FL-4.09

B-10.2 m²
C- 1.7 m²

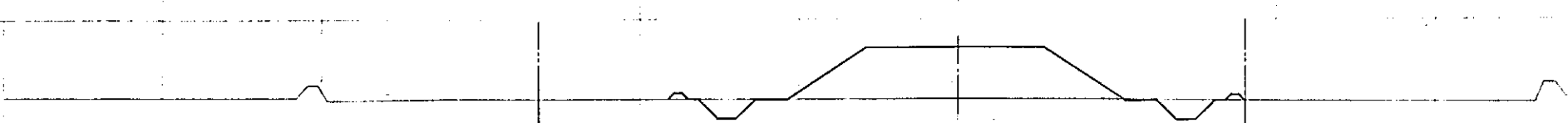


DL+0.00

3Km733m16
GH+2.50

FL-4.09

B-12.6 m²
C- 1.4 m²



DL+0.00

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 89	T.T	T.H	I.M	K.M.	A.K
A	15 FEB 89	T.T	T.H	I.M	K.M.	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS:						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				36

228-38

SP = 3Km943m05
GH+2.71

FL=4.09

B=10.5m²
C= 1.4m²

DL=0.00

3Km900m00
GH+2.70

FL=4.09

B=10.6m²
C= 1.4m²

DL=0.00

3Km850m00
GH+2.58

FL=4.09

B=11.7m²
C=1.5m²

DL=0.00

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. 89	T.T	T.N.	I.M	K.M	A.K
A	15 FEB. 89	T.T	T.N.	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					37
1:100						

228-39

4Km050m00
GH+2.53

FL-4.09

B-12.3m²
C-1.4m²

DL=0.00

4Km000m00
GH+2.75

FL-4.09

B-10.2m²
C-1.4m²

DL=0.00

3Km950m00
GH+2.71

FL-4.09

B-10.5m²
C-1.4m²

DL=0.00

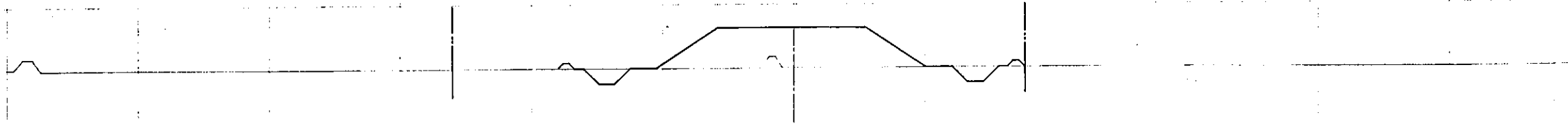
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 84	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS-SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					38
1:100						

228-40

4Km 152m 94
GH+2.56

FL=4.09

B=11.0m²
C=1.4m²

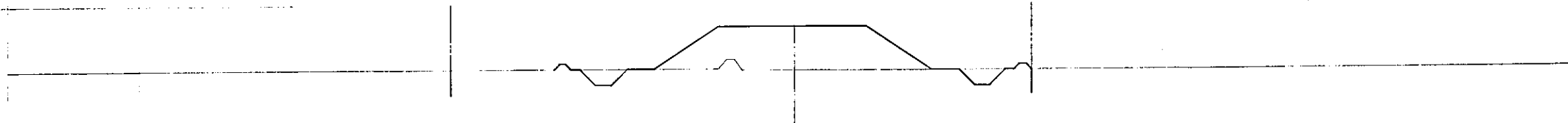


DL=0.00

ECC = 4Km 122m 94
GH+2.48

FL=4.09

B=13.1m²
C=1.4m²

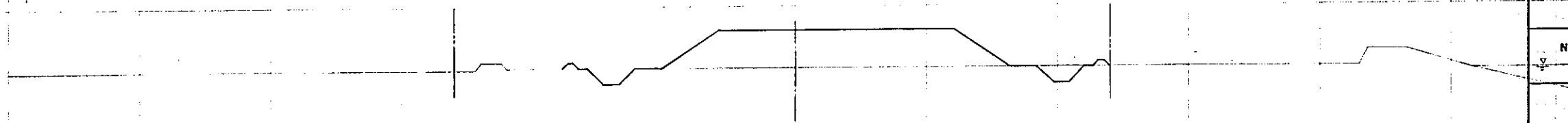


DL=0.00

4Km 100m 00
GH+2.62

FL=4.09

B=16.2m²
C=1.4m²



DL=0.00

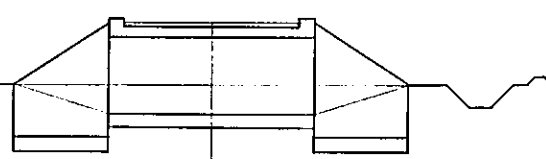
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG 84	T.T	T.H	I.M	K.M	m.K
A	15 FEB 84	T.T	T.H	I.H	K.M	m.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO:		39	

228-4.1

4 Km 250^m00
GH+2.45

FL-4.09

B- 0.2 m²
C- 1.4 m²

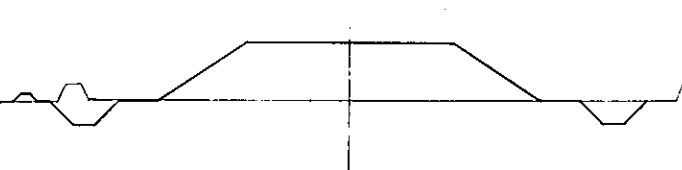


DL+0.00

4 Km 200^m00
GH+2.59

FL-4.09

B- 11.6 m²
C- 1.7 m²

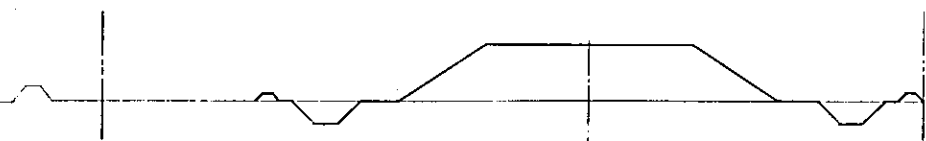


DL+0.00

ETC = 4 Km 182^m94
GH+2.59

FL-4.09

B- 11.7 m²
C- 1.4 m²



DL+0.00

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	T.T	T.M	I.H	K.M	M.K
A	15 FEB. 84	T.T	T.M	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					40
1:100						

228-42

4Km 400m 00
Gh #2 36

FL-4.09

B-20.7 m²
C- 2.0 m²

DL=0.00

4Km 350m 00
Gh #2 45

FL-4.09

B-19.6 m²
C- 1.4 m²

DL=0.00

4Km 300m 00
Gh #2 57

FL-4.09

B-11.9 m²
C- 1.4 m²

DL=0.00

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	T.T	T.N	I.H	K.M	M.K
A	15 FEB 84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					41
1:100						

228-43

4 Km 550m 00
GH+2.40

FL-4.09

B-53.5m²
C- 0.7m²

CABIN BOX

DL+0.00

4 Km 500m 00
GH+2.36

FL-4.09

B-20.0m²
C- 1.4m²

DL+0.00

4 Km 450m 00
GH+2.35

FL-4.09

B-21.8m²
C- 1.4m²

DL+0.00

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	T.T	T.N.	I.H	K.M	M.K
A	15 FEB. 84	T.T	T.N.	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				42

228-44

4 Km 700m 00

GH+2.15

FL-4.09

B=29.0m²

C= 1.4m²

DL=0.00

4 Km 650m 00

GH+2.15

FL-4.09

B=23.8m²

C= 1.4m²

DL=0.00

4 Km 600m 00

GH+2.13

FL-4.09

B=24.0m²

C= 1.4m²

DL=0.00

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	T.T	T.H	I.H	K.M	A.K
A	15 FEB 84	T.T	T.H	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			43	

228-45

4Km794m31
GH+2.28

FL-4.09

B-15.3 m²
C-1.6 m²

DL+0.00

B.T.C = 4Km764m31
GH+2.36

FL-4.09

B-13.8 m²
C-1.8 m²

DL+0.00

4Km750m00
GH+2.34

FL-4.09

B-0.2 m²
C-1.5 m²

DL+0.00

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	T.T	T.N	I.M	K.M	M.K
A	15 FEB 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					
1:100	4/4					

228-46

4Km900m00

GH+2.47

FL-4.09

B-12.9 m²

C-1.4 m²

DL=0.00

4Km850m00

GH+2.42

FL-4.09

B-13.4 m²

C-1.4 m²

DL=0.00

BCC = 4Km824m31

GH+2.42

FL-4.09

B-13.4 m²

C-1.4 m²

DL=0.00

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	T.T	T.N	1.4	K.M.
A	15 FEB 84	T.T	T.K	1.4	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
CROSS SECTIONS					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	1:100	DRAWING NO.			45

228-47

5 Km 000 m 00
GH+2.38

FL+4.09

B-13.8 m²
C- 1.4 m²

DL+0.00

SP = 4 Km 997 m 05
GH+2.38

FL+4.09

B-13.8 m²
C- 1.4 m²

DL+0.00

4 Km 950 m 00
GH+2.46

FL+4.09

B-12.8 m²
C- 1.4 m²

DL+0.00

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)

B	1. AUG. '84	T.T	T.N	I.M	K.M	A.K
A	15 FEB. '84	T.T	T.N	I.M	K.M	A.K

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
-----------	------	----------	-------	---------	----------	-----------

CROSS SECTIONS:

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE	DRAWING NO.
1:100	46

228-48

5 Km 150 m 00

GH: 2.42

FL: 4.09

B: 13.4 m²

C: 1.4 m²

DL: 0.00

5 Km 100 m 00

GH: 2.42

FL: 4.09

B: 13.4 m²

C: 1.4 m²

DL: 0.00

5 Km 050 m 00

GH: 2.39

FL: 4.09

B: 0.2 m²

C: 1.4 m²

DL: 0.00

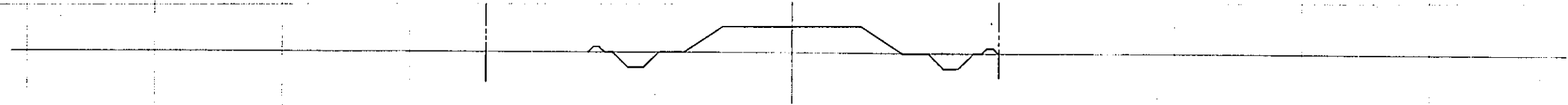
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.N	I.M	K.M	A.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS.						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: 47				

228-49

E.T.C = 5Km 229m 80
GH 3.06

FL-4.09

B- 7.4 m²
C- 1.4 m²

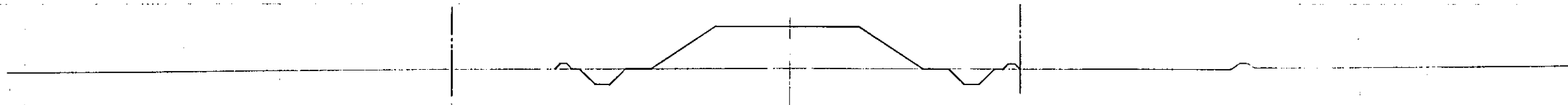


DL=0.00

5Km 199m 80
GH 2.41

FL-4.09

B- 13.5 m²
C- 1.4 m²

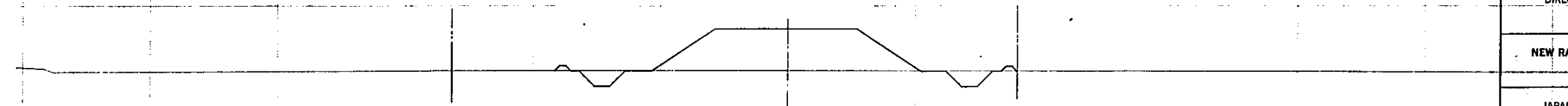


DL=0.00

E.C.C = 5Km 169m 80
GH 2.40

FL-4.09

B- 13.6 m²
C- 1.4 m²



DL=0.00

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	T.T	T.M	I.M	K.M	<i>[Signature]</i>
A	15 FEB. 84	T.T	T.K	I.M	K.M	<i>[Signature]</i>
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				48

228-50

5Km325m⁰⁰
GH+2.87

FL=4.09

B=9.3m²

L.C.

DL=0.00

5Km300m⁰⁰
GH+2.79

FL=4.09

B=13.8m²

C=1.4m²

DL=0.00

5Km250m⁰⁰
GH+3.11

FL=4.09

B=6.9m²

C=1.4m²

DL=0.00

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	T.T	T.N	I.M	K.M	A.R
A	15 FEB. '84	T.T	T.N	I.M	K.M	A.R
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				49

228-51

5Km400m00
GH+2.60

FL-4.09

B=11.6m²
C= 1.4m²

DL+0.00

5Km350m00
GH+2.39

FL-4.09

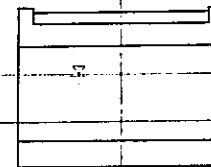
B=13.7m²
C= 1.4m²

DL+0.00

5Km334m00
GH+1.25

FL-4.09

DL+0.00



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	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			50	

228-52

5Km 550m00

GH+2.42

FL=4.09

B=13.4m²

C=1.4m²

DL+0.00

5Km 500m00

GH+2.59

FL=4.09

B=11.7m²

C=1.4m²

DL+0.00

5Km 450m00

GH+2.90

FL=4.09

B=8.9m²

C=1.4m²

DL+0.00

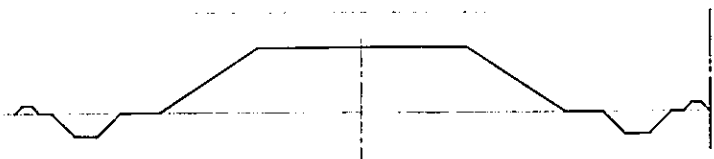
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 84	T.T	T.N	J.M	K.M	K
A	15 FEB. 84	T.T	T.N	J.M	K.M	K.R
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				51

228-53

5Km700m00
GH+2.41

FL=4.09

B=13.5 m²
C= 1.4 m²

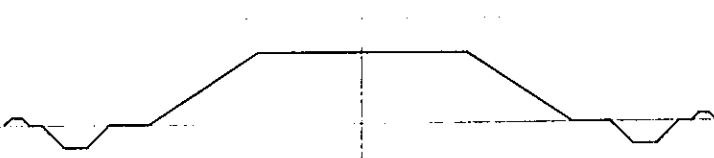


DL+0.00

5Km650m00
GH+2.24

FL=4.09

B=15.3 m²
C= 1.4 m²

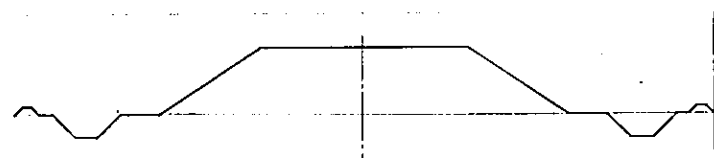


DL+0.00

5Km600m00
GH+2.36

FL=4.09

B=14.0 m²
C= 1.4 m²



DL+0.00

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	T.T	T.N	I.M	K.M	M.K
A	15 FEB. '84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					52

228-54

5 Km 850 m 00
GH + 2.42

FL = 4.09

B = 13.4 m²
C = 1.4 m²

DL = 0.00

5 Km 800 m 00
GH + 2.37

FL = 4.09

B = 0.1 m²
C = 1.4 m²

DL = 0.00

5 Km 750 m 00
GH + 2.36

FL = 4.09

B = 14.0 m²
C = 1.4 m²

DL = 0.00

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	T.T	T.H	I.H	K.M	K.K
A	15 FEB. '84	T.T	T.H	I.H	K.M	K.K
REVISIONS	DATE	DRAWN	CHECKED	REVIEWED	SUBMITTED	
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				53

228-55

6Km 000m 00
GH+2.31

FL-4.09

B-14.6 m²
C- 1.4 m²

DL+0.00

5Km 950m 00
GH+2.39

FL-4.09

B-13.7 m²
C- 1.4 m²

DL+0.00

5Km 900m 00
GH+2.39

FL-4.09

B-13.7 m²
C- 1.4 m²

DL+0.00

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	T.T	T.N	I.H	K.M	A.K
A	15 FEB. '84	T.T	T.N	I.H	K.M	A.K
REVISIONS	DATE	DRAWN	CHECKED	REVIEWED	SUBMITTED	
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.		54		

228-56

6Km 150m 00

GH+2.38

FL=4.09

B=13.8m²

C= 1.4m²

DL+0.00

6Km 100m 00

GH+2.51

FL=4.09

B=12.5m²

C= 1.4m²

DL+0.00

6Km 050m 00

GH+2.37

FL=4.09

B=13.9m²

C= 1.4m²

DL+0.00

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	T.T	T.N	I.H	K.M	A.K
A	15 FEB. 84	T.T	T.N	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					
1:100	55					

228-57

6Km300m00
GH+2.47

FL-4.09

B-12.9m²
C- 1.4m²

DL+0.00

6Km250m00
GH+2.46

FL-4.09

B-13.0m²
C- 1.4m²

DL+0.00

6Km200m00
GH+2.42

FL-4.09

B-13.4m²
C- 1.4m²

DL+0.00

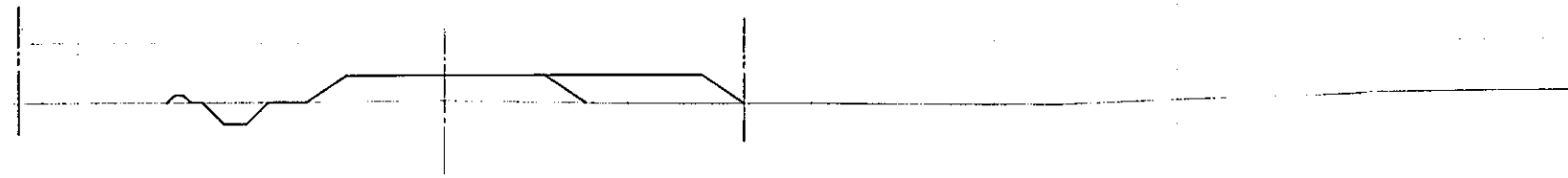
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. '89	T.T	T.N.	I.H	K.M.	K.K.
A	15 FEB. '89	T.T	T.N.	I.H	K.M.	K.R.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS:						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.		56	

228-58

6Km 450m 00
GH = 3.42

FL = 4.09

B = 7.6 m²
C = 0.7 m²

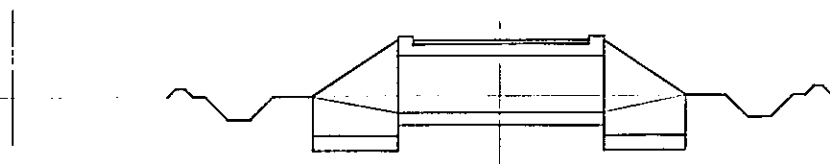


DL = 0.00

6Km 400m 00
GH = 2.65

FL = 4.09

B = 0.2 m²
C = 1.4 m²

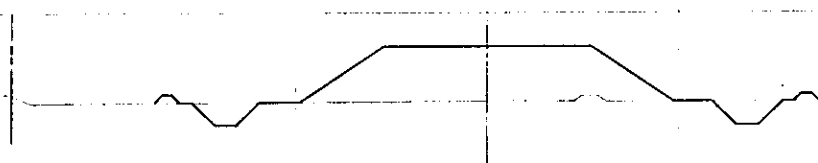


DL = 0.00

6Km 350m 00
GH = 2.62

FL = 4.09

B = 11.3 m²
C = 1.4 m²



DL = 0.00

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	T.T	T.N	I.H	K.M	A.K
A	15 FEB. '84	T.T	T.N	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			57	

228-59

6Km 550m 00
GH = 2.60

FL = 4.09

B = 11.6 m²

C = 1.4 m²

DL = 0.00

6Km 539m 00
GH = 3.17

FL = 4.09

B = 6.4 m²

C = 1.4 m²

DL = 0.00

6Km 500m 00
GH = 2.65

FL = 4.09

B = 11.1 m²

C = 1.4 m²

DL = 0.00

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	T.T	T.N.	I.M	U.M.	M.K.
A	15 FEB. 84	T.T	T.N.	I.M	U.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.		58	

228-60

6Km700m00
GH+2.57

FL=4.09

B=11.9m²
C=1.4m²

DL=0.00

6Km650m00
GH+2.43

FL=4.09

B=13.3m²
C=1.4m²

DL=0.00

6Km600m00
GH+2.58

FL=4.09

B=11.8m²
C=1.4m²

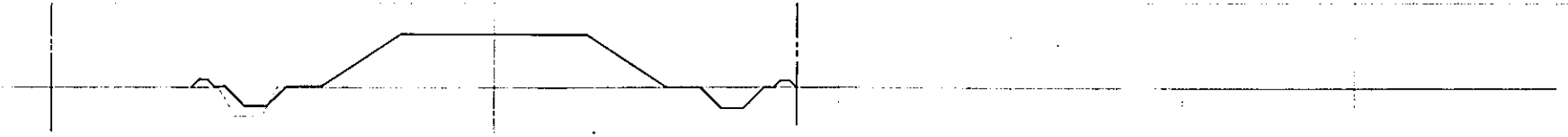
DL=0.00

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. 89	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 89	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					59
1:100						

228-61

6Km 850m00
GH: 2.55
FL = 4.09

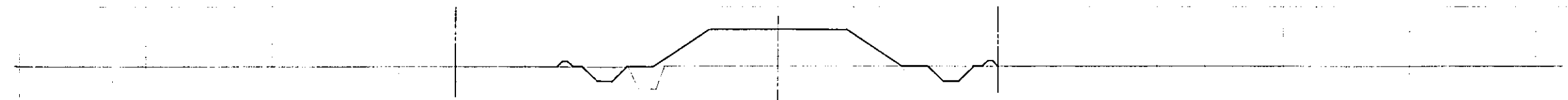
B = 12.1 m²
C = 0.9 m²



DL = 0.00

6Km 800m00
GH: 2.64
FL = 4.09

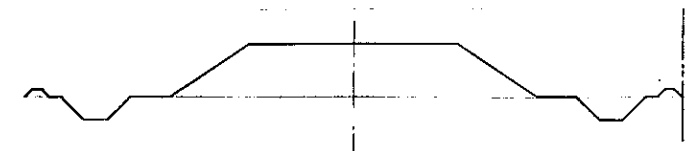
B = 12.2 m²
C = 1.4 m²



DL = 0.00

6Km 750m00
GH: 2.67
FL = 4.09

B = 11.1 m²
C = 1.4 m²



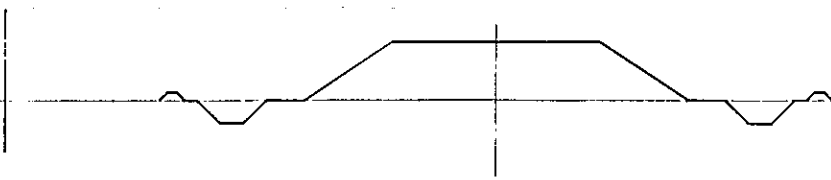
DL = 0.00

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	T.T	T.N	I.M	K.M.	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M.	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: 60				

7Km000m00
 GH+2.57
 FL+4.09

B+11.9m²
 C+1.4m²

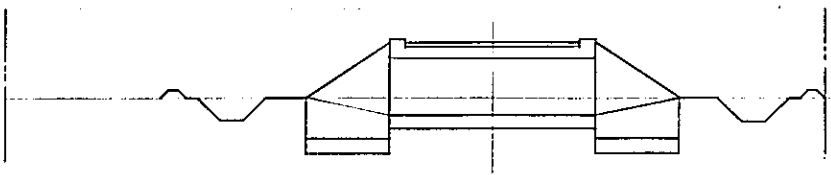
DL+0.00



6Km950m00
 GH+2.64
 FL+4.09

B+0.2m²
 C+1.4m²

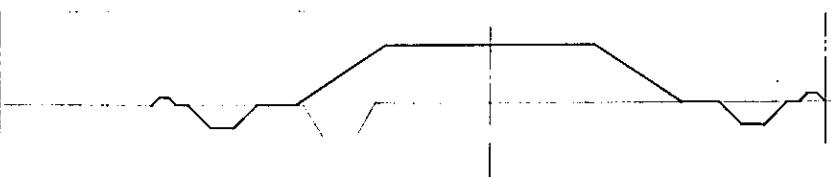
DL+0.00



6Km900m00
 GH+2.60
 FL+4.09

B+12.4m²
 C+1.4m²

DL+0.00



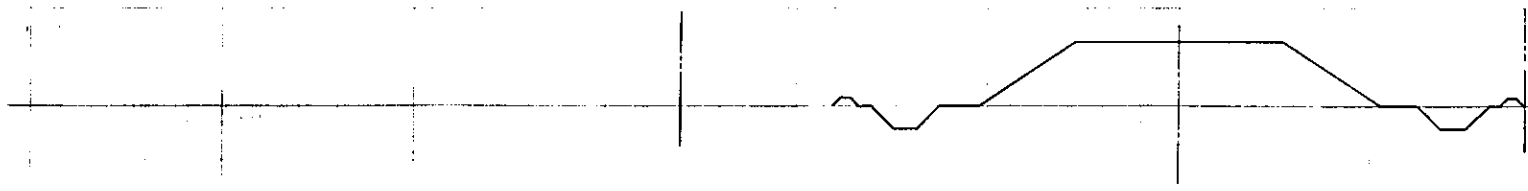
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 89	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.K	I.H	V.IA	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: 61				

228-63

7Km 150m00
GH+2.49

FL=4.09

B=12.7 m²
C= 1.4 m²

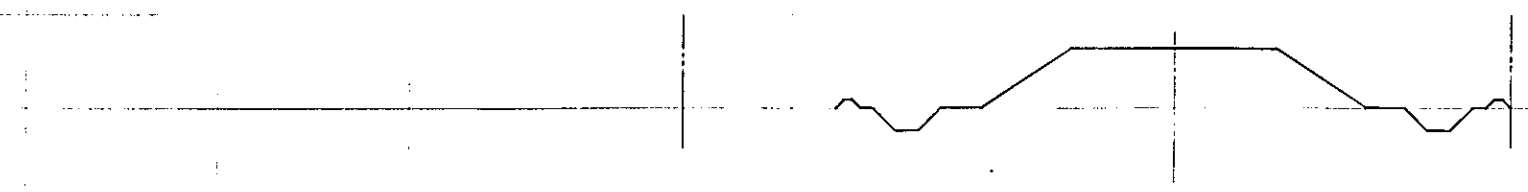


DL=0.00

7Km 100m00
GH+2.58

FL=4.09

B=11.8 m²
C= 1.4 m²

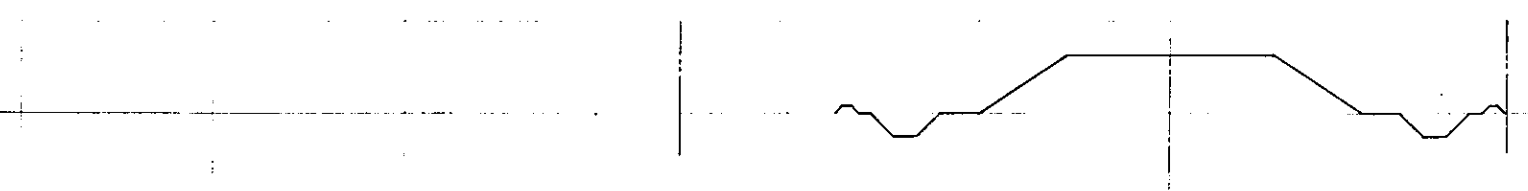


DL=0.00

7Km 050m00
GH+2.57

FL=4.09

B=11.9 m²
C= 1.4 m²



DL=0.00

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	T.T	T.H	I.M	K.M	S.K
A	15 FEB. '84	T.T	T.K	I.M	K.M	M.H
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: 62				

228-64

7Km 300m00
GH=2.75

FL=4.09

B=10.2 m²
C= 1.4 m²

DL+0.00

7Km 250m00
GH=2.70

FL=4.09

B=10.6 m²
C= 1.4 m²

DL+0.00

7Km 200m00
GH=2.65

FL=4.09

B=11.1 m²
C= 1.4 m²

DL+0.00

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	T.T	T.H	I.M	K.M	A.K
A	15 FEB '84	T.T	T.H	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				63

228-65

7Km 450m00
GH=2.68
FL=4.09

B=0.2 m²
C=1.4 m²

DL=0.00

7Km 400m00
GH=2.71
FL=4.09

B=10.4 m²
C=1.7 m²

DL=0.00

7Km 350m00
GH=2.64
FL=4.09

B=11.2 m²
C=1.8 m²

DL=0.00

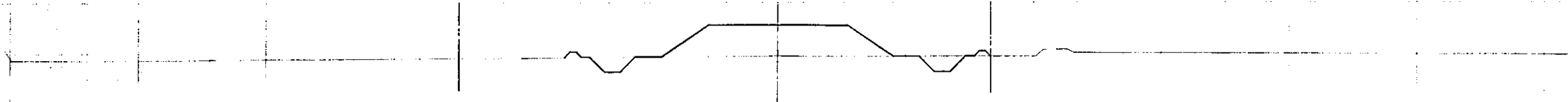
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.A	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.A	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			64	

228-66

7Km600m00
GH+2.92

FL=4.09

B=8.6m²
C=1.4m²

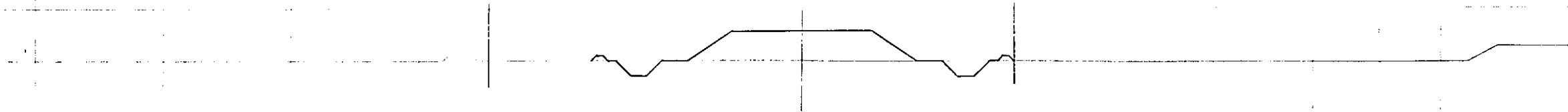


DL=0.00

7Km550m00
GH+2.90

FL=4.09

B=8.8m²
C=1.4m²



DL=0.00

7Km500m00
GH+2.88

FL=4.09

B=8.9m²
C=1.9m²



DL=0.00

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	T.T	T.K	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.K	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				65

228-67

B.C.C = 7Km 686m 23
G.H. = 3.06

FL = 4.09

B = 8.6
C = 0.9

DL = 0.00

7Km 656m 23
G.H. = 3.57

FL = 4.09

B = 3.3 m²
C = 1.4 m²

DL = 0.00

B.T.C = 7Km 626m 23
G.H. = 3.02

FL = 4.09

B = 6.4 m²
C = 1.5 m²

DL = 0.00

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. 81	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 81	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:		66			
1:100						

228-68

7Km 800m 00
GH+3.41

FL+4.09

B=4.6 m²
C=1.4 m²

7Km 750m 00
GH+3.21

FL+4.09

B=6.1 m²
C=1.4 m²

7Km 700m 00
GH+3.08

FL+4.09

B=7.2 m²
C=1.5 m²

DL+0.00

DL+0.00

DL+0.00

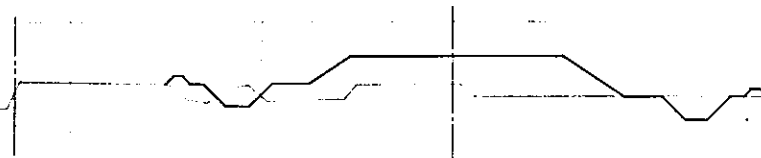
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.		67	

228-69

7Km 950m 00
GH+3.39

FL+4.09

B-7.2 m²
C-1.3 m²

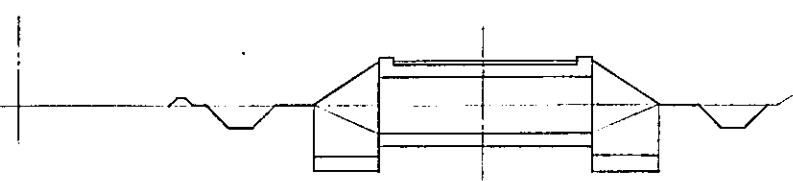


DL+0.00

7Km 900m 00
GH+2.99

FL+4.09

B-0.1 m²
C-1.4 m²

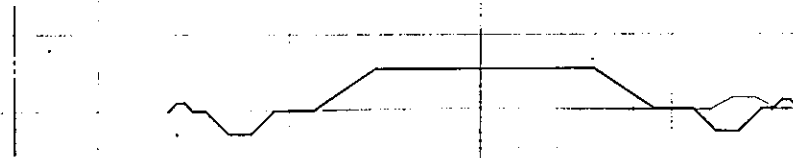


DL+0.00

7Km 850m 00
GH+3.03

FL+4.09

B-7.6 m²
C-1.7 m²



DL+0.00

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	T.T	T.N	I.M	K.M.	M.K
A	15 FEB. '84	T.T	T.N	I.M	K.M.	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: 68				

228-70

8Km050m00
GH+3.47

FL+4.09

B=6.4m²
C=1.4m²

DL+0.00

SP 8Km014m58
GH+3.02

FL+4.09

B=7.7m²
C=1.4m²

DL+0.00

8Km000m00
GH+3.00

FL+4.09

B=7.9m²
C=1.4m²

DL+0.00

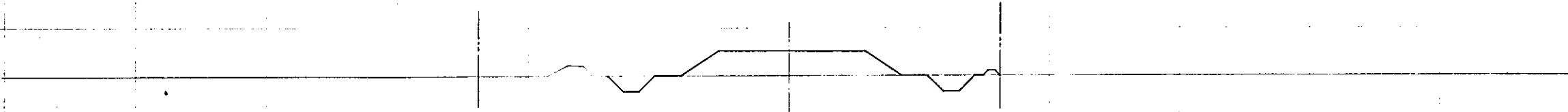
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.N	I.M	K.M	J.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	J.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			69	

228-71

8Km200m00
GH+3.17

FL=4.09

B=6.3 m²
C=1.4 m²

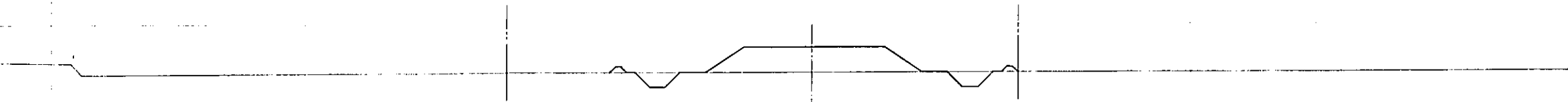


DL=0.00

8Km150m00
GH+3.13

FL=4.09

B=6.8 m²
C=1.4 m²

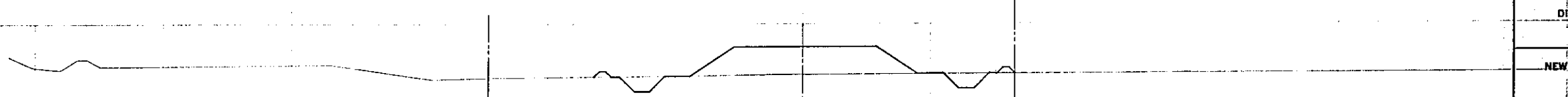


DL=0.00

8Km100m00
GH+2.96

FL=4.09

B=8.2 m²
C=1.4 m²



DL=0.00

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	T.T	T.N	I.M	K.M	M.K
A	15 FEB 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:		70		

228-72

ECC-8Km342m93
GH+3.27

FL-4.65

B-10.5 m²
C-1.4 m²

DL=0.00

8Km300m00
GH+3.21

FL-4.39

B-8.7 m²
C-1.4 m²

DL=0.00

8Km250m00
GH+3.24

FL-4.10

B-5.8 m²
C-1.4 m²

DL=0.00

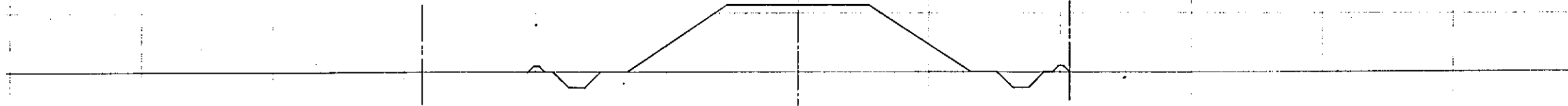
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					71
1:100						

228-73

8Km450m00
GH+2.75

FL+5.29

B+23.6 m²
C+ 1.4 m²

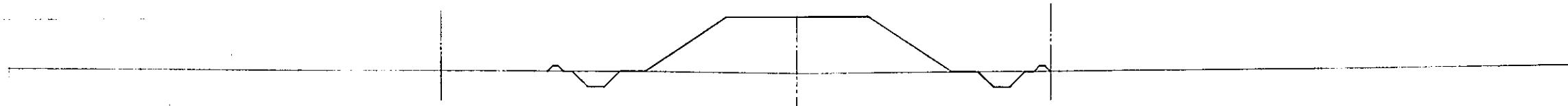


DL+0.00

E.T.C = 8Km402m93
GH+2.84

FL+5.01

B+ 19.0 m²
C+ 1.4 m²

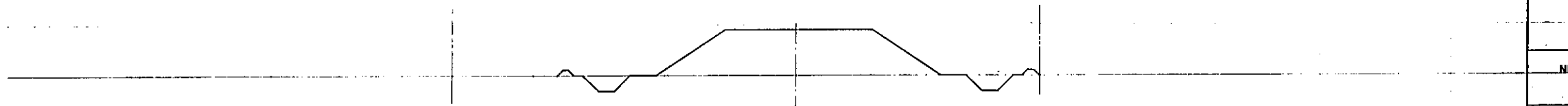


DL+0.00

8Km372m93
GH+3.05

FL+4.83

B+14.6 m²
C+ 1.4 m²



DL+0.00

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	T.T	T.N	I.H	K.M	A.K
A	15 FEB. '84	T.T	T.N	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				72

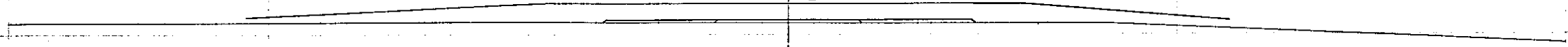
228-74

8Km542m00
GH+5.44

FL-5.59

B-2.0m²

LC

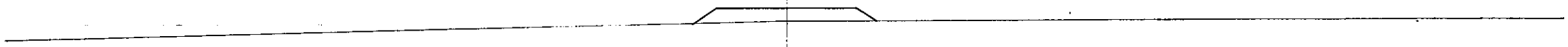


DL+0.00

8Km531m00
GH+5.09

FL-5.59

B-2.6m²

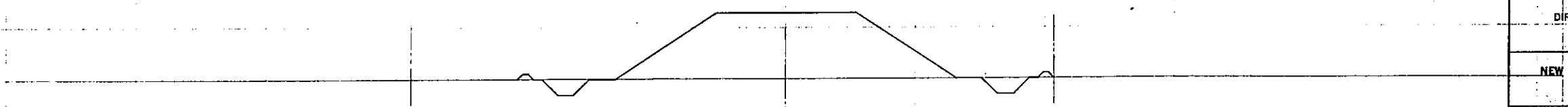


DL+0.00

8Km500m00
GH+3.00

FL-5.58

B-24.2m²
C-1.4m²



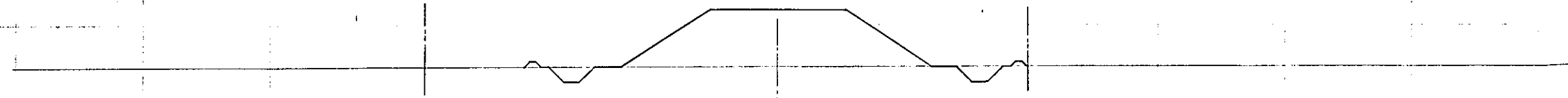
DL+0.00

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	T.T	T.N	I.M	U.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	U.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					73
1:100						

228-75

8Km650m00
GH+3.30
FL+5.59

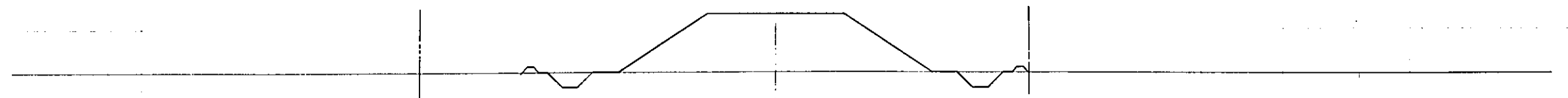
B+20.4m²
C+ 1.4m²



DL+0.00

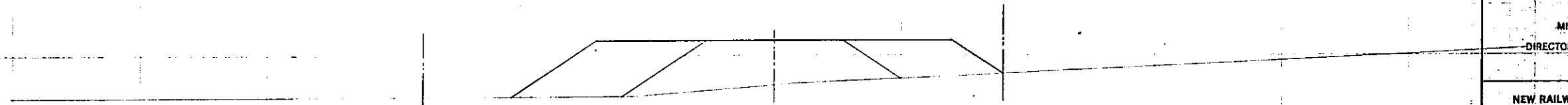
8Km600m00
GH+3.30
FL+5.59

B+20.4 m²
C+ 1.4 m²



DL+0.00

8Km550m00
GH+3.81
FL+5.59
B+28.2



DL+0.00

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	T.T	T.N	I.H	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: 74				

gKm 800m00
GH+4.66

FL+5.19

B+4.1 m²
C+1.8 m²

DL+0.00

gKm 750m00
GH+4.79

FL+5.39

B+6.4 m²
C+1.8 m²

DL+0.00

gKm 700m00
GH+3.33

FL+5.58

B+19.9 m²
C+1.4 m²

DL+0.00

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	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.		75	

228-77

8Km 950m00

GH = 3.12

FL = 4.60

B = 11.4 m²

C = 1.4 m²

DL = 0.00

8Km 900m00

GH = 2.74

FL = 4.79

B = 17.7 m²

C = 1.4 m²

DL = 0.00

8Km 850m00

GH = 3.21

FL = 4.99

B = 14.6 m²

C = 1.4 m²

DL = 0.00

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. 89	T.T	T.N	I.M	K.M
A	15 FEB. 89	T.T	T.N	I.H	K.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
CROSS SECTIONS					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	1:100	DRAWING NO.			76

228-78

9Km 100m 00
GH = 3.18
FL = 4.59

B = 10.6 m²
C = 1.4 m²

DL = 0.00

9Km 050m 00
GH = 3.37
FL = 4.59

B = 9.0 m²
C = 1.5 m²

DL = 0.00

9Km 000m 00
GH = 3.24
FL = 4.59

B = 9.9 m²
C = 1.4 m²

DL = 0.00

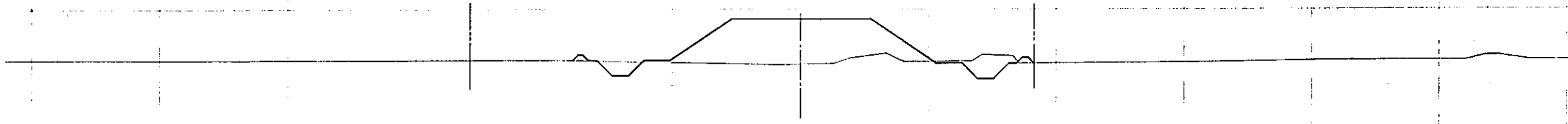
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 89	T.T	T.N	I.M	K.M	A.K
A	15 FEB. 89	T.T	T.N	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:			7.7	

228-79

9Km 250m 00
GH+2.79

FL-4.59

B-14.2m²
C- 2.1m²

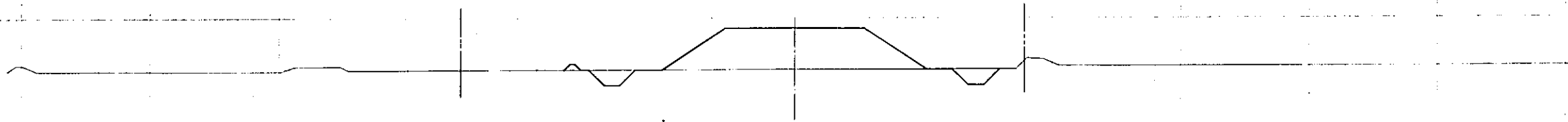


DL+0.00

9Km 200m 00
GH+2.98

FL-4.59

B-13.0m²
C- 1.4m²

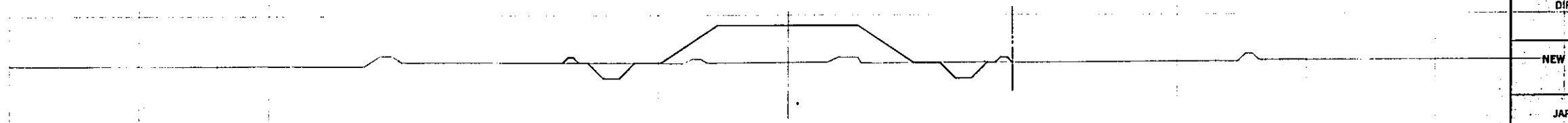


DL+0.00

9Km 150m 00
GH+3.17

FL-4.59

B-10.6m²
C- 1.4m²



DL+0.00

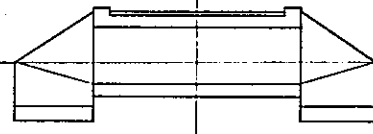
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. 84	T.T	T.H	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.H	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				78

228-80

9Km400m00
GH+3.25

FL=4.59

B= 0.2m²
C= 1.4m²

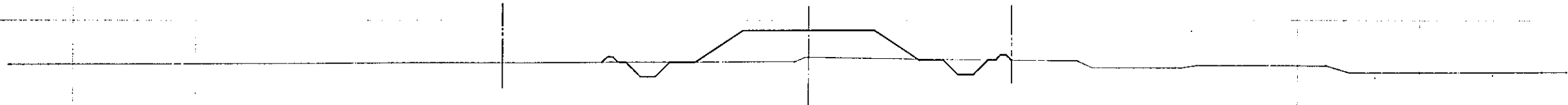


DL=0.00

9Km350m00
GH+3.49

FL=4.59

B=7.8m²
C=1.4m²

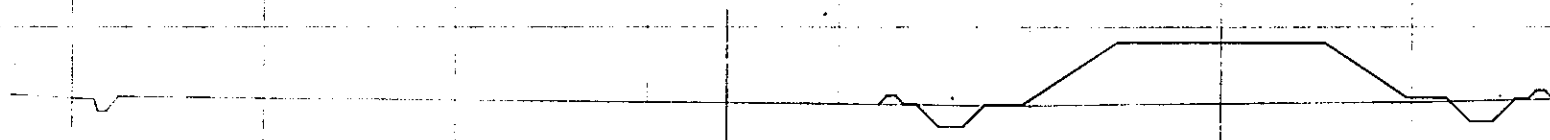


DL=0.00

9Km300m00
GH+2.96

FL=4.59

B=13.0m²
C=1.4m²



DL=0.00

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)						
B	1. AUG. '82	T.T	T.V	1.4	K.M	JK
A	15 FEB. '82	T.T	T.V	1.4	K.M	JK
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.		79	

228-81

9Km523m52
GH+4.26

FL-4.59

B- 2.3m²
C- 1.4m²

DL+0.00

B.T.C = 9Km493m52
GH+4.04

FL-4.59

B- 3.7m²
C- 1.4m²

DL+0.00

9Km450m00
GH+3.20

FL-4.59

B- 10.6 m²
C- 1.6 m²

DL+0.00

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. 89	T.T	T.N	I.M	K.M	A.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REMOVED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					80
1:100						

9Km 650m00
GH+3.32

FL+4.59

B= 9.9 m²
C= 1.3 m²

DL+0.00

9Km 600m00
GH+4.38

FL+4.59

B= 1.4 m²
C= 1.4 m²

DL+0.00

BCC = 9Km 553m52
GH+4.57

FL+4.59

B= 0.4 m²
C= 1.5 m²

DL+0.00

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	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					81
1:100						

9Km750m00
GH+3.53

FL-4.59

B-9.3m²
C-2.0m²

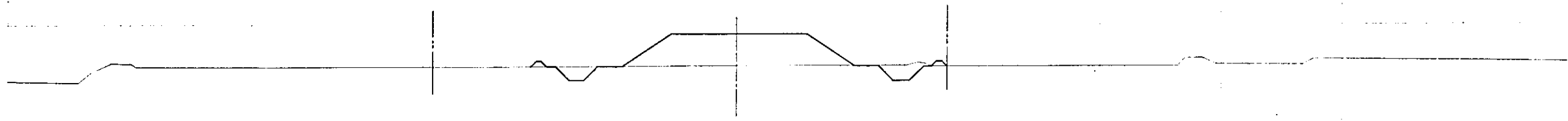


DL+0.00

SP = 9Km703m90
GH+3.30

FL-4.59

B-9.7m²
C-1.4m²

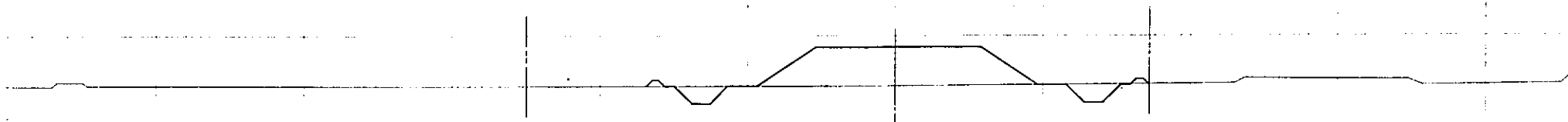


DL+0.00

9Km700m00
GH+3.29

FL-4.59

B-9.8m²
C-1.4m²



DL+0.00

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. 89	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 89	T.T	T.K	I.H	K.H	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					82
1:100						

E.C.C = 9Km 854m 27
G.H. 3.10

FL = 4.59

B = 11.2 m²
C = 1.4 m²

DL = 0.00

9Km 850m 00
G.H. 3.13

FL = 4.59

B = 11.3 m²
C = 1.4 m²

DL = 0.00

9Km 800m 00
G.H. 3.18

FL = 4.59

B = 0.2 m²
C = 1.7 m²

DL = 0.00

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	T.T	T.H	I.H	K.M	A.K
A	15 FEB. 84	T.T	T.H	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				83

9Km 950m 00
GH+2.84

FL 4.59

B-14.2m²
C- 1.4m²

DL=0.00

E.T.C = 9Km 914m 27
GH+2.99

FL 4.59

B-12.6m²
C- 1.4m²

DL=0.00

9Km 884m 27
GH+3.03

FL 4.59

B- 12.1m²
C- 1.4m²

DL=0.00

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	T.T	T.H	I.H	K.M	M.K
A	15 FEB. '84	T.T	T.H	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.			84	

228-86

10Km 100m 00
GH: 2.44

FL: 4.59

B: 18.7m²
C: 1.4m²

DL: 0.00

10Km 050m 00
GH: 2.62

FL: 4.59

B: 16.7m²
C: 1.6m²

DL: 0.00

10Km 000m 00
GH: 2.76

FL: 4.59

B: 15.1m²
C: 1.4m²

DL: 0.00

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	T.T	T.N	I.M	K.M	M.K
A	15 FEB '84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:			85	

10Km 250m00
 GH+2.71
 FL=4.59

B=18.3m²
 C=1.4m²

DL=0.00

10Km 200m00
 GH+2.02
 FL=4.59

B=23.0m²
 C=1.4m²

DL=0.00

10Km 150m00
 GH+2.11
 FL=4.59

B=22.6m²
 C=1.4m²

DL=0.00

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	T.T	T.N	I.H	K.M	M.K
A	15 FEB. '84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO.				86

228-88

10 Km 400m00

GH+2.24

FL=4.59

B=21.2m²

C=1.4m²

DL=0.00

10 Km 350m00

GH+2.21

FL=4.59

B=22.5m²

C=1.9m²

DL=0.00

10 Km 300m00

GH+2.05

FL=4.59

B=0.2m²

C=1.4m²

DL=0.00

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	T.T	T.N	I.M	K.M	M.K
A	15 FEB 84	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:			87	

10Km 550m00
 GH+2.13
 FL+4.59

B+19.6m²
 C+1.4m²

DL+0.00

10Km 500m00
 GH+2.24
 FL+4.59

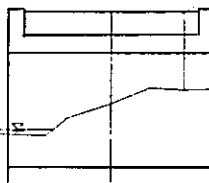
B+26.9m²
 C+1.0m²

DL+0.00

10 Km 450m00
 GH+2.19
 FL+4.59

B+0.2m²
 C+1.6m²

DL+0.00



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	T.T	T.V	I.H	K.M
A	15 FEB 84	T.T	T.K	I.H	K.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
CROSS SECTIONS					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	1:100	DRAWING NO.		68	

228-90

10 Km 700m 00
GH 198
FL - 4.61

B = 24.8 m²
C = 1.4 m²

DL = 0.00

10 Km 650m 00
GH 222
FL - 4.59

B = 21.4 m²
C = 1.4 m²

DL = 0.00

10 Km 600m 00
GH 213
FL - 4.59

B = 21.9 m²
C = 1.0 m²

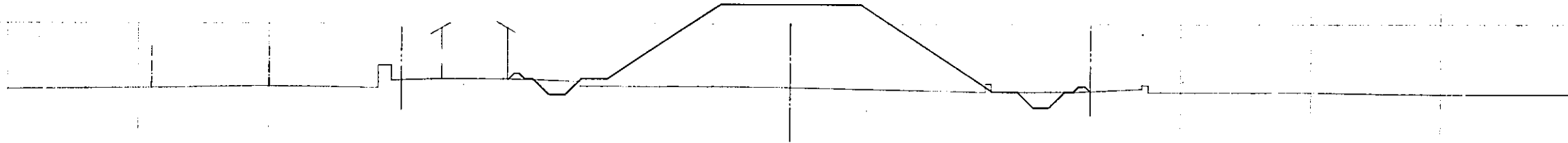
DL = 0.00

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	T.T	T.H	I.H	K.M	K.K
A	15 FEB 84	T.T	T.H	I.H	K.M	K.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO:					89
1:100						

10 Km 850m 00
GH + 2.51

FL + 5.79

B = 31.4 m²
C = 1.4 m²

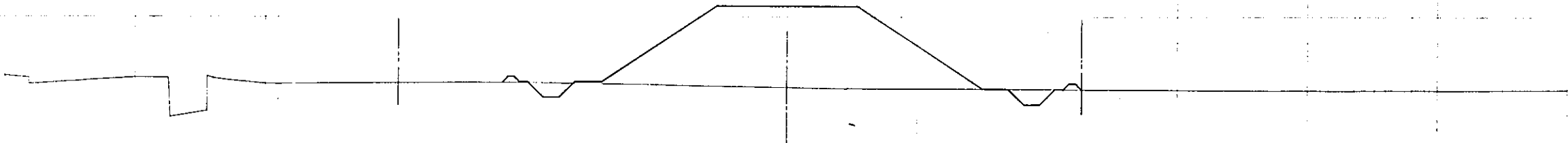


DL + 0.00

10 Km 800m 00
GH + 2.26

FL + 5.39

B = 32.0 m²
C = 1.4 m²

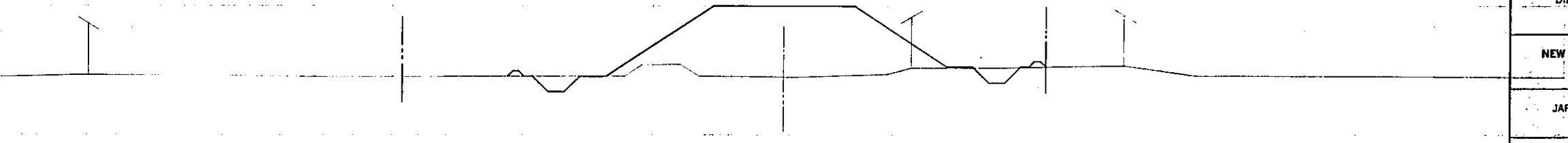


DL + 0.00

10 Km 750m 00
GH + 2.22

FL + 4.99

B = 23.1 m²
C = 1.4 m²



DL + 0.00

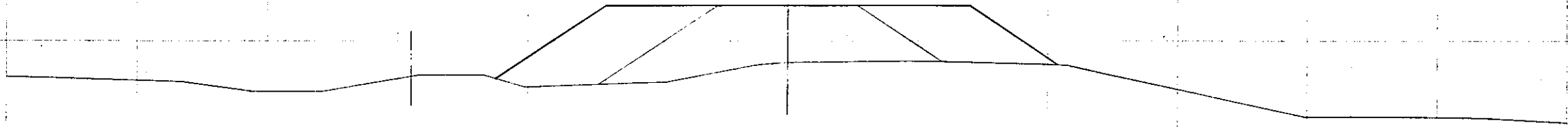
REPUBLIC OF INDONESIA						
MINISTRY OF COMMUNICATIONS						
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG. '84	T.T	T.M	I.H	K.M	A.K
A	15 FEB. '84	T.T	T.M	I.H	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					90
1:100						

228-92

10Km971m00
GH+4.19

FL-6.35

B-36.3m²

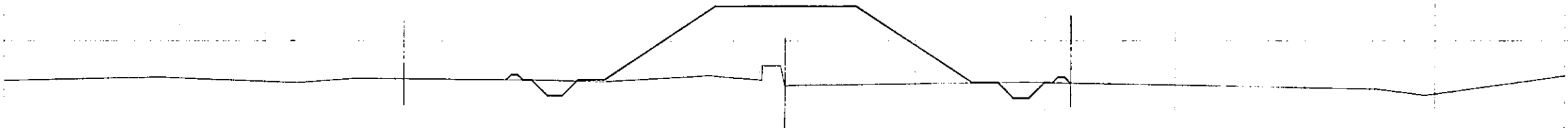


10Km950m00
GH+3.27

FL-6.35

B-27.6m²

C-1.4m²

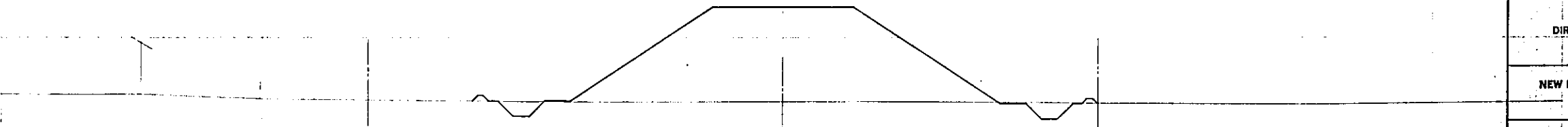


10Km900m00
GH+2.51

FL-6.19

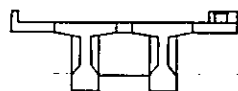
B-40.4m²

C-1.4m²

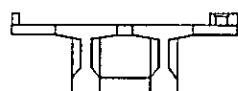


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '84	T.T	T.N	I.H	K.M	M.L
A	15 FEB '84	T.T	T.N	I.H	K.V	M.L
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100	DRAWING NO:				91

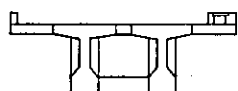
11 Km 050m 00
 GH + 2.15
 FL + 6.35



11 Km 000m 00
 GH + 0.83
 FL + 6.35



10 Km 989m 00
 GH + 1.83
 FL + 6.35



DL + 0.00

DL + 0.00

DL + 0.00

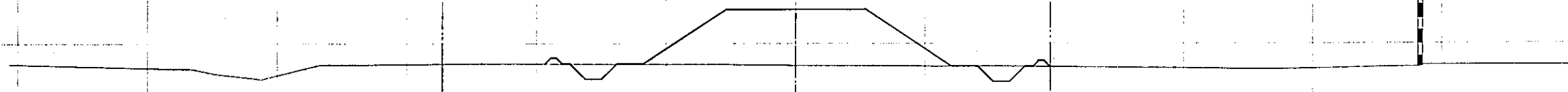
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 84	T.T	T.W	I.M	K.M	M.K
A	15 FEB. 84	T.T	T.W	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I - CIVIL AND ARCHITECTURAL WORK						
SCALE	1:100		DRAWING NO.	92		

228-94

11 Km 50m 00
GH 4.13

FL 6.31

B = 19.1 m²
C = 1.4 m²



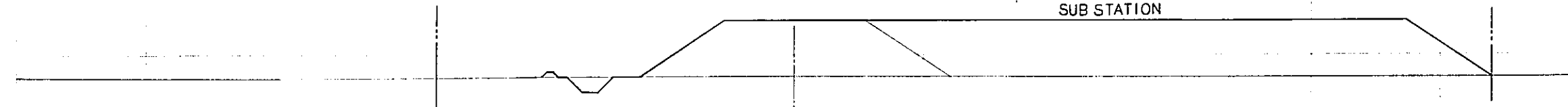
DL +0.00

11 Km 100m 00
GH 4.12

FL 6.35

B = 65.8 m²
C = 0.7 m²

SUB STATION

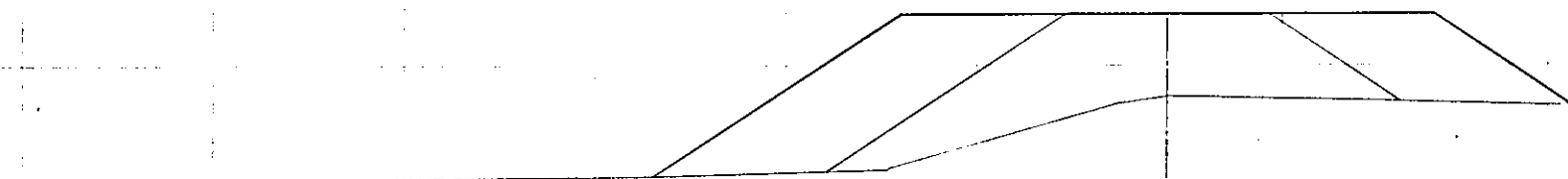


DL +0.00

11 Km 062m 50
GH 4.18

FL 6.35

B = 51.9 m²



DL +0.00

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	T.T	T.M	I.M	K.M	A.K
A	15 FEB. 84	T.T	T.M	I.M	K.M	A.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
CROSS SECTIONS						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					93
1:100						