

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

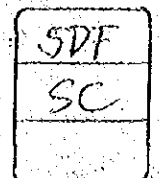
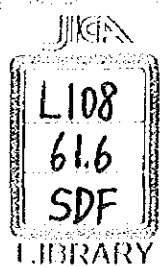
**TENDER DOCUMENTS
FOR
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT**

PACKAGE II TRACK WORK

PART F DRAWINGS

AUGUST 1984

**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**



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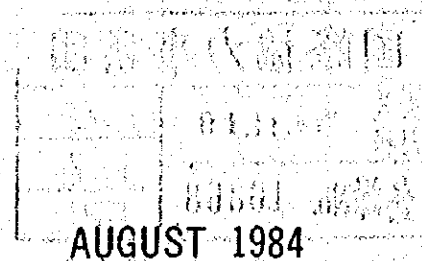
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REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

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

PACKAGE II TRACK WORK

PART F DRAWINGS



**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**

国際協力事業団

受入 月日	'84.11.19	L108
登録No.	10868	61.6
		SDF

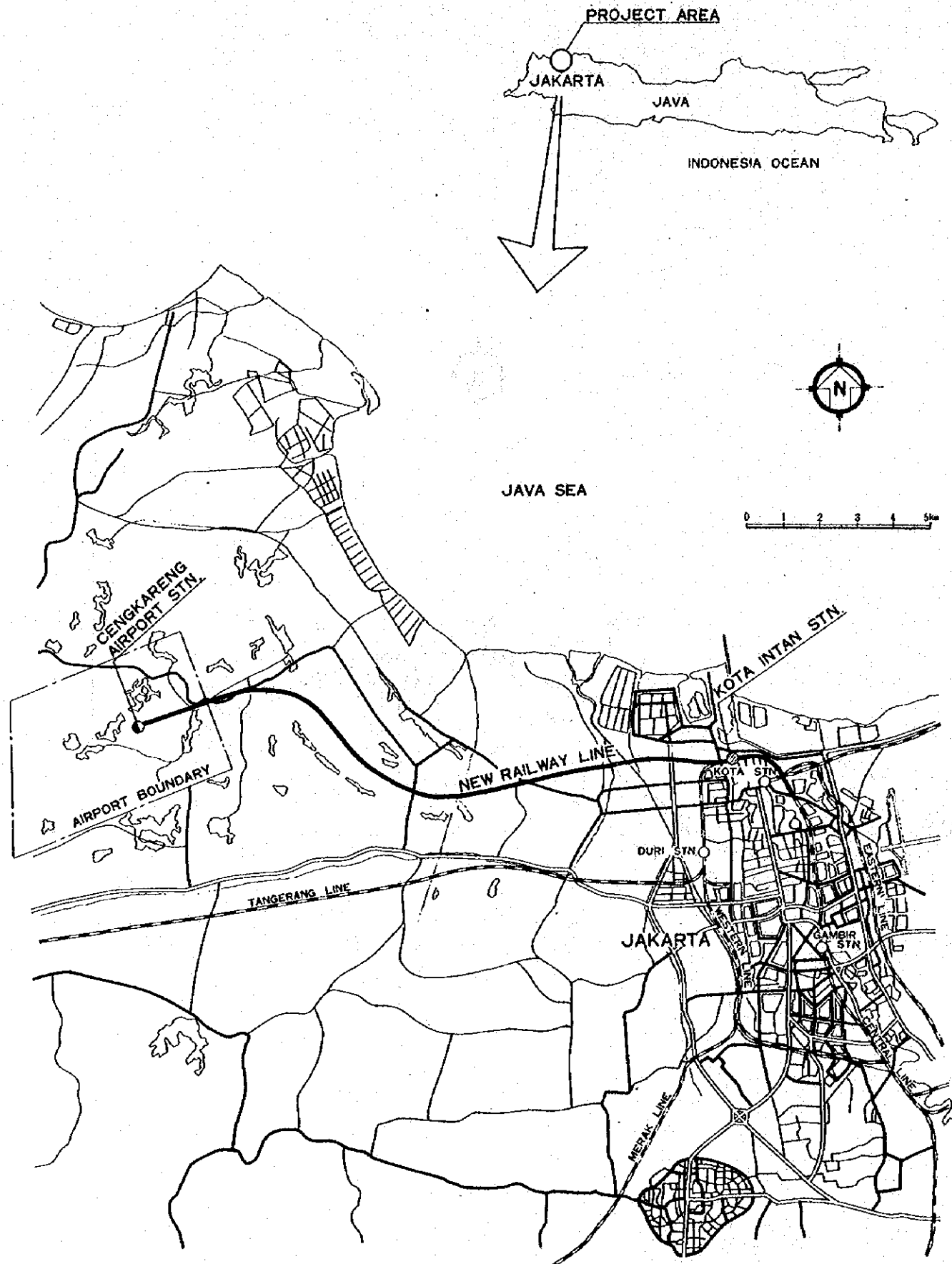
マイクロ
ライシュ作成

INDEX OF DRAWING

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GENERAL ABBREVIATIONS

- 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 CENKARENG
- 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
- RL. RAIL LEVEL

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

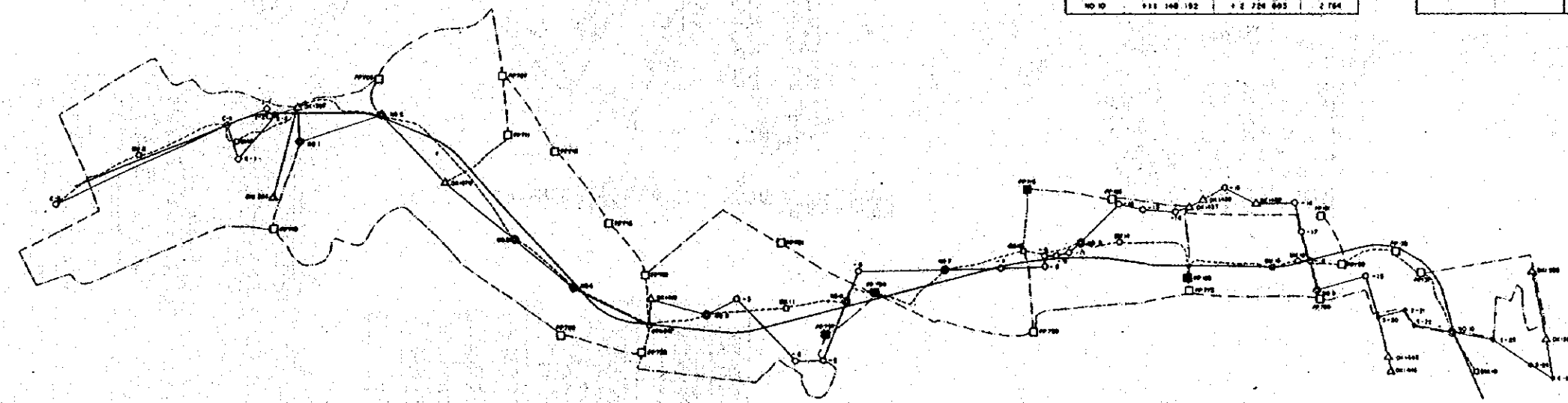
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
E	1. AUG. 84	J.T.	T.N.	I.M.	K.H.	M.S.
L	15. FEB. 84	M.S.	M.S.	I.M.	K.H.	M.S.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
GENERAL LOCATION MAP AND ABBREVIATIONS						
PACKAGE: I TRACK WORK						
SCALE: 1 70,000		DRAWING NO: TG-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)	V (Y)	H
DKI 394	+12 904 682	-12 331 783	0 227
DKI 397	+14 080 612	-12 040 287	5 246
DKI 412	+11 596 156	-7 437 050	
DKI 437	+12 780 648	-	566 030
DKI 438	+12 855 243	-	490 037
DKI 439	+12 905 709	3 201 117	
DKI 448	+10 828 368	0 1 807 297	
DKI 448	+10 837 880	0 1 827 688	
DKI 558	+11 907 908	0 3 735 218	
DKI 539	+11 054 615	0 3 510 710	
DKI 678	+13 081 614	-10 154 541	3 163
DTK 647	+18 286 229	-7 313 563	3 369
C-31	+13 842 080	-12 922 271	0 094
C-37	+12 595 342	-15 034 878	7 528
NO 1	+13 423 253	-12 014 907	5 027
NO 2	+13 564 150	-10 971 370	3 691
NO 3	+12 346 053	-9 237 267	4 077
NO 4	+11 745 773	-8 498 589	3 805
NO 5	+11 596 850	-6 767 710	5 798
NO 6	+11 260 325	-5 008 520	4 315
NO 7	+11 948 717	-5 768 508	2 545
NO 8	+12 503 083	-2 036 303	4 815
NO 9	+11 681 105	0 577 443	1 220
NO 10	+11 148 182	+2 726 893	2 764

DKI BM NO.	U	V	H
PP 118	1 331	BM 1 (C-31)	7 528
PP 125	3 509	BM 2	6 845
PP 128	1 092	BM 3 (C-11)	6 094
PP 130	2 811	BM 4 (DKI 397)	5 246
PP 131	2 908	BM 5 (NO 2)	3 691
PP 137	1 803	BM 6	3 836
PP 205	4 728	BM 7 (NO 3)	4 077
PP 207	4 260	BM 8 (NO 4)	3 805
PP 217	4 317	BM 9 (DKI 412)	5 246
PP 218	3 725	BM 10 (NO 5)	3 798
PP 216	5 813	BM 11	2 764
PP 218	6 313	BM 12 (NO 7)	2 545
PP 221	4 243	BM 13	2 55
PP 228	6 416	BM 14	2 558
PP 250	6 044	BM 15	0 780
PP 251	2 988	BM 16	4 832
PP 254	2 850	BM 17 (NO 10)	2 764
PP 257	5 253	BM 18	2 849
PP 259	1 981		
PP 278	2 493		
PP 280	1 881		



LEGEND	
△	Established point (DKI)
●	Monumental point
○	Observational point
•	Mark
---	Connecting line
□	Old BM
■	Old BM (on accident point)
○	New BM
---	Leveling Route

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NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

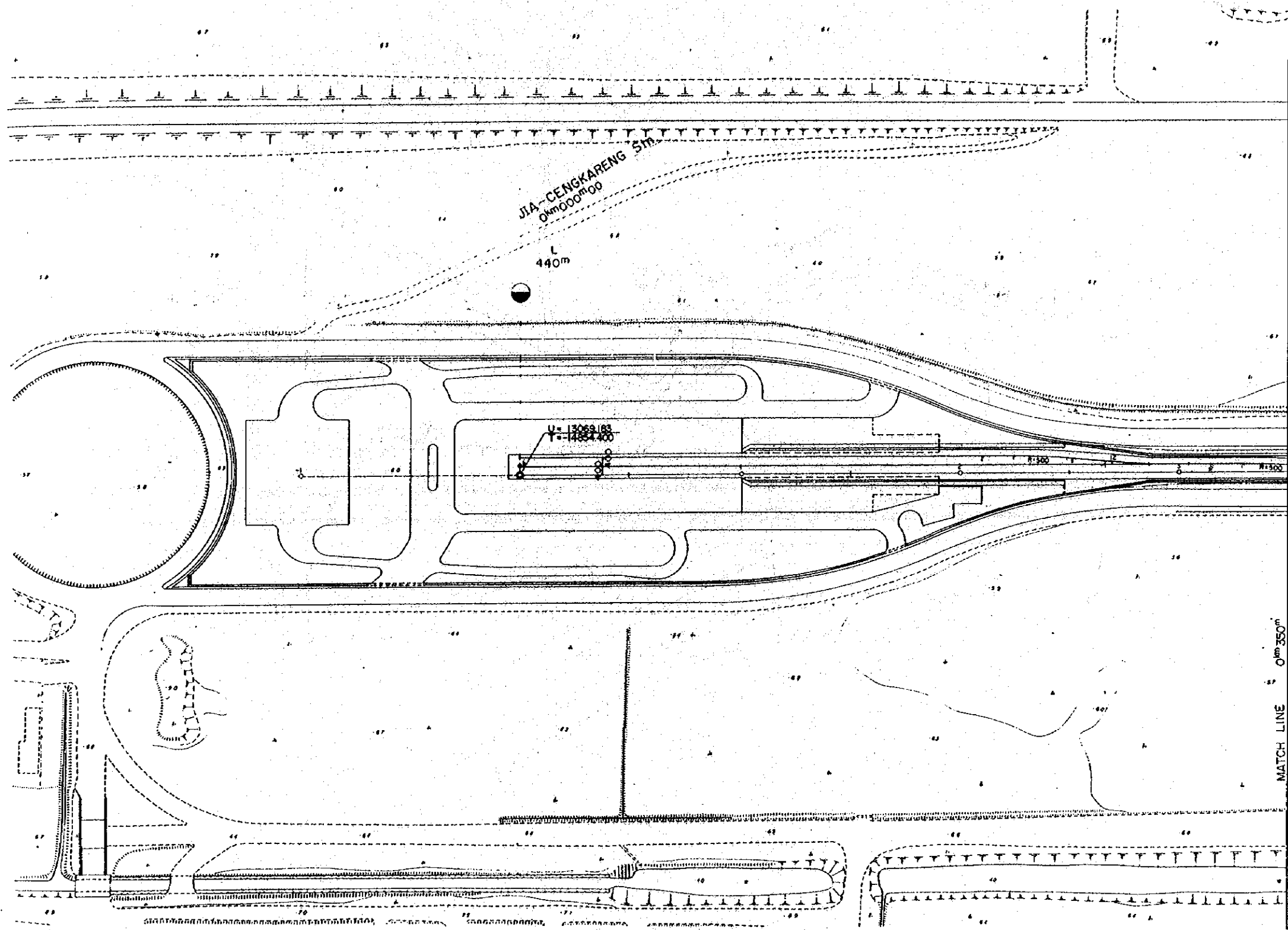
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A	15 FEB. 88	T.I.	T.N.	I.M.	K.M.	K.K.

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

3RD AND 4TH GRADE CONTROL
 POINTS AND BENCH MARKS

PACKAGE: I TRACK WORK

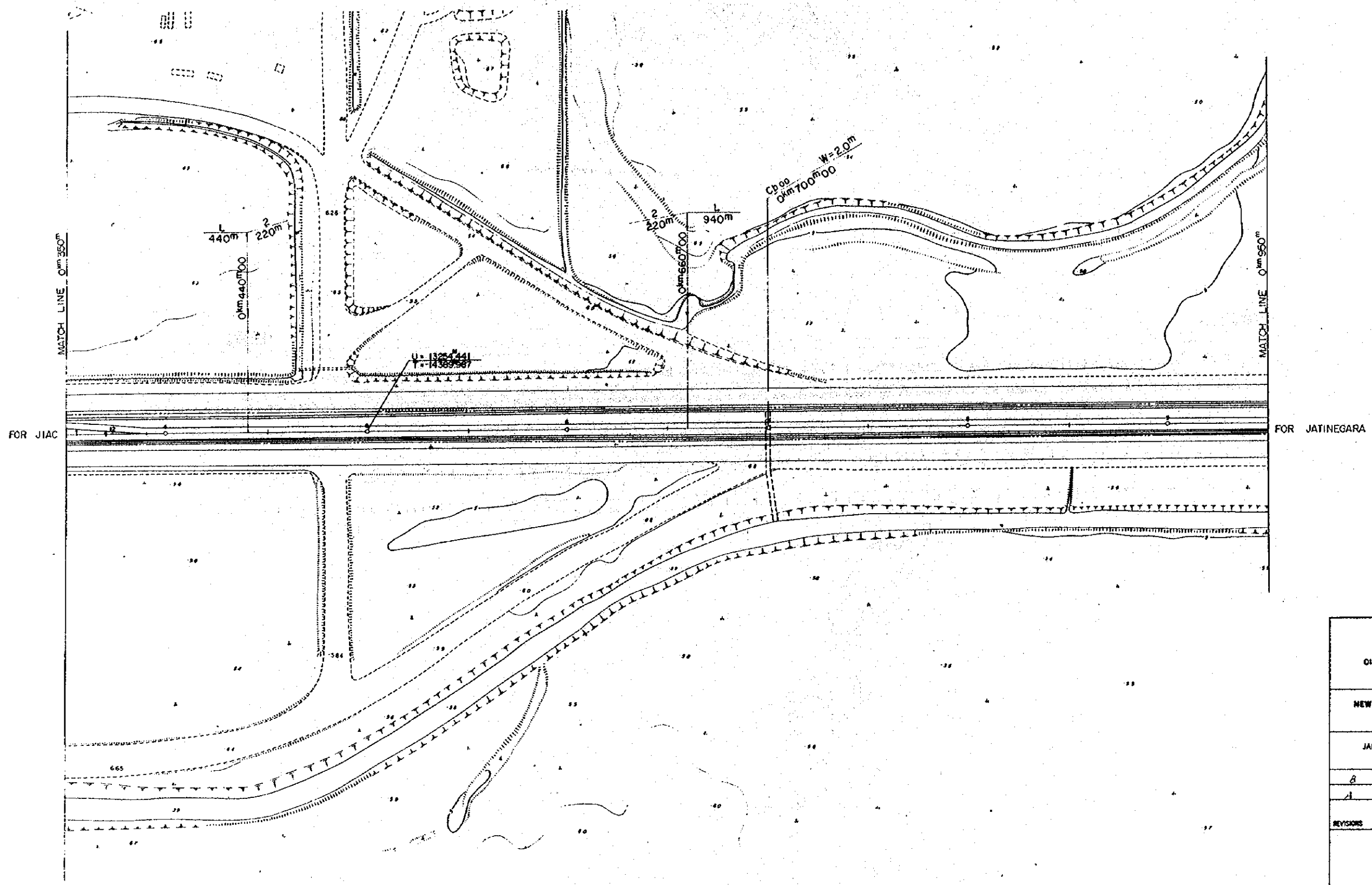
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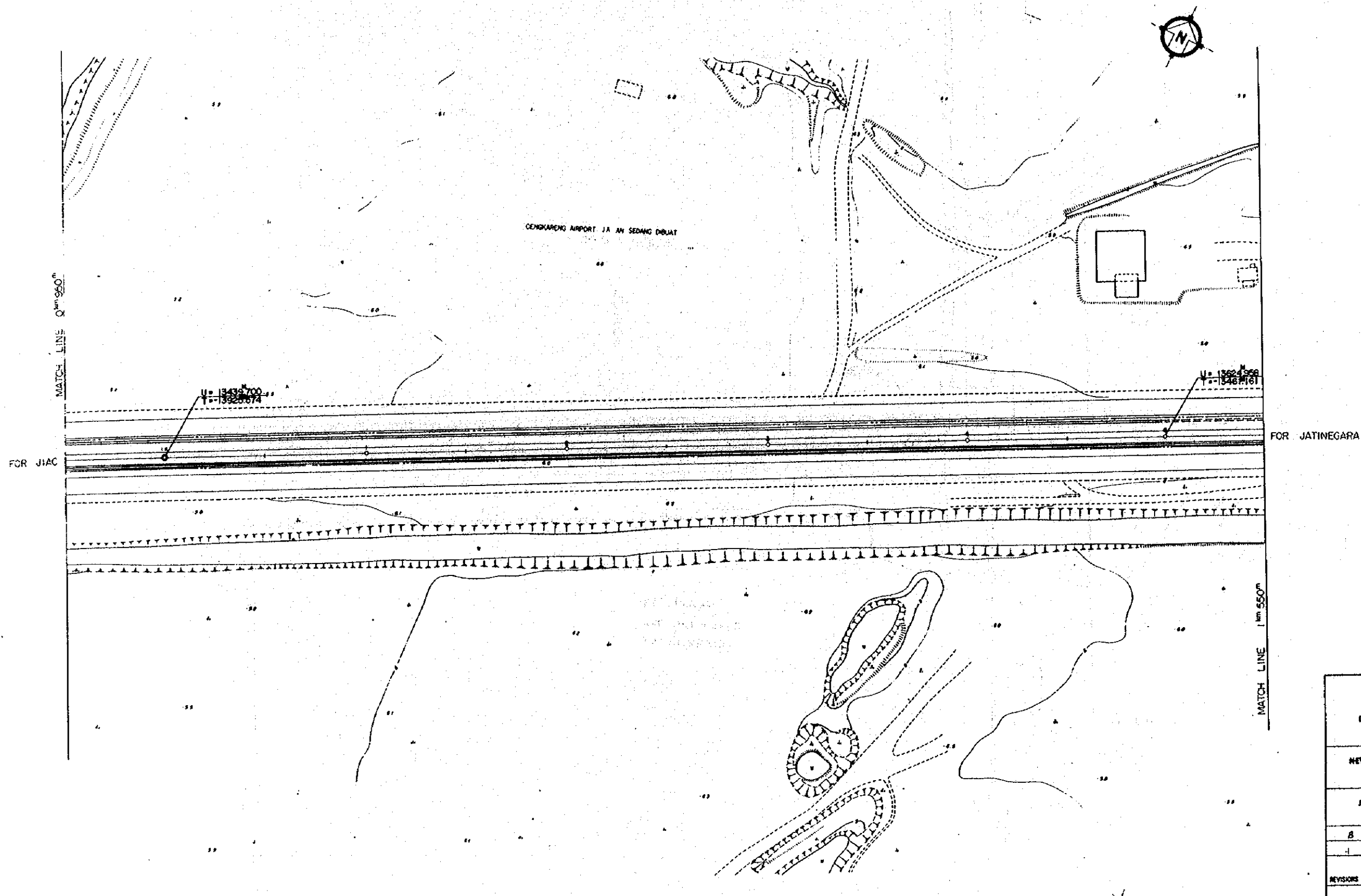
NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

FOR JATINEGARA

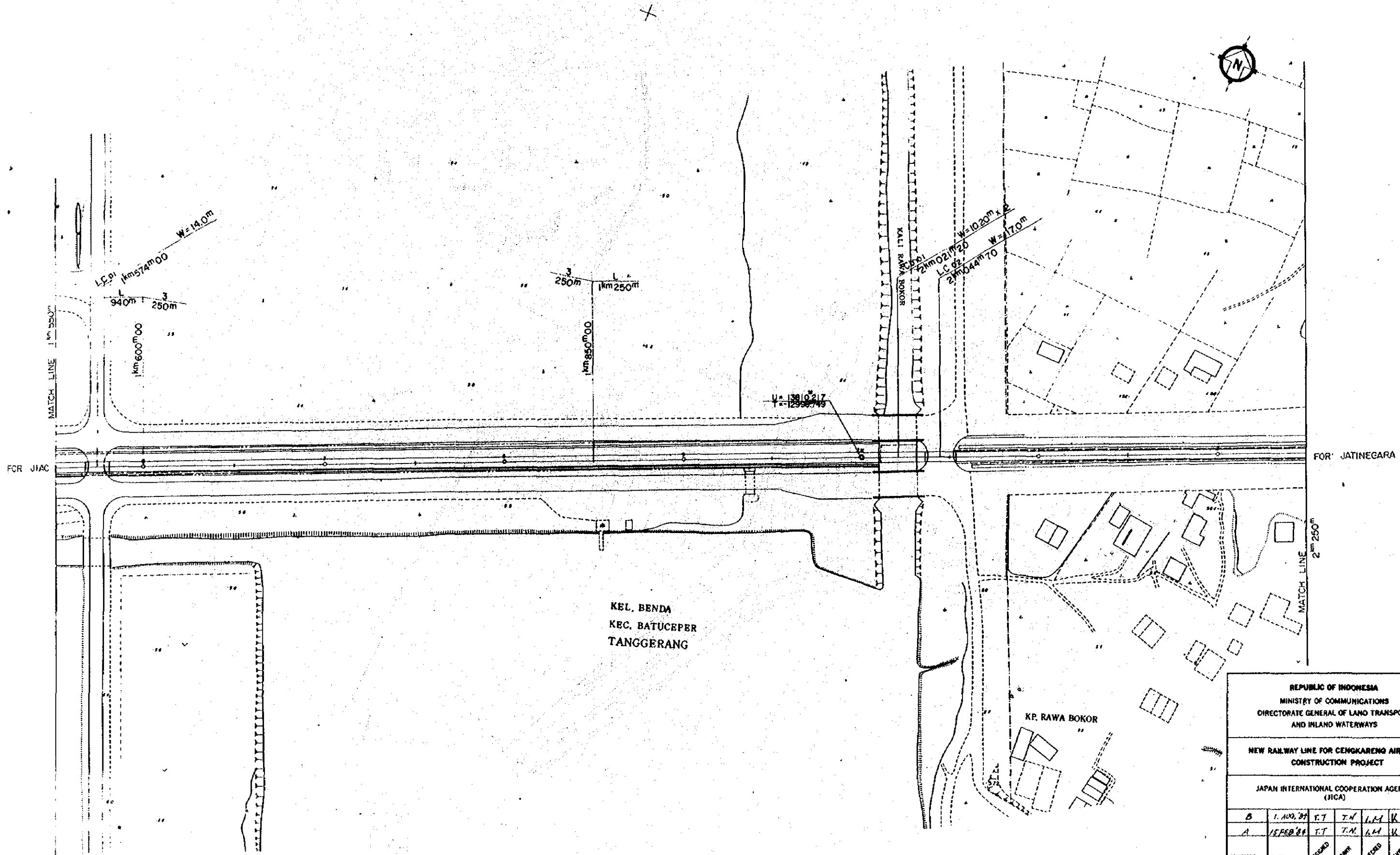
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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG 87	T.T	T.N	1 M	K.M	1/1
A	15 FEB 84	T.T	T.N	1 M	K.M	1/1
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 1 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:1000		DRAWING NO: T G-004				



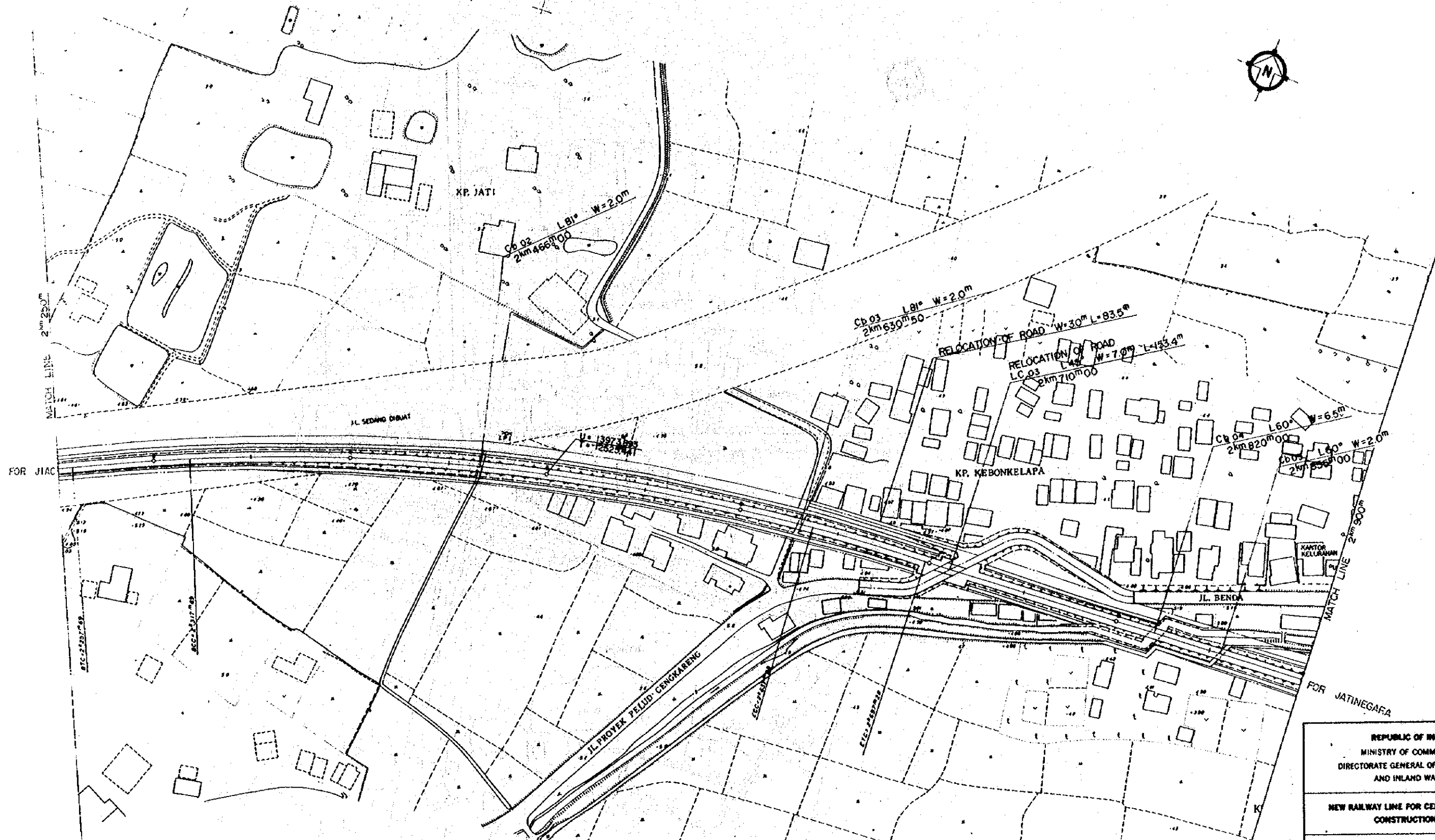
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 89	T.T	T.N	I.M	K.M	M.K
A	15 FEB. 89	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 2 OF 45)						
PACKAGE: TRACK WORK						
SCALE: 1:1000		DRAWING NO: TG-005				



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	TJ	TN	LM	UM	JK
-1	5 FEB 88	TT	TN	LM	UM	JK
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 3 OF 45)						
PACKAGE: I TRACK WORK						
SCALE		DRAWING NO.				
1:1000		TG-006				



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	ET	T.N.	I.H.	K.V.	M.K.
A	15 FEB. 81	TT	T.N.	I.H.	K.V.	M.K.
REVISIONS	DATE	REASON	DRAWN	CHECKED	BY (P. NO.)	SUBMITTED
PLAN (SHEET 4 OF 45)						
PACKAGE: E TRACK WORK						
SCALE: 1:1000		DRAWING NO.: TG-007				



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 R = 1000m
 I.A = 21°44'51"
 T.L = 222m18
 C.L = 439m59
 T.C.L = 60m00
 Δ = 1°43'06"
 Δ = 0m15
 Δ = 0m60

REPUBLIC OF INDONESIA
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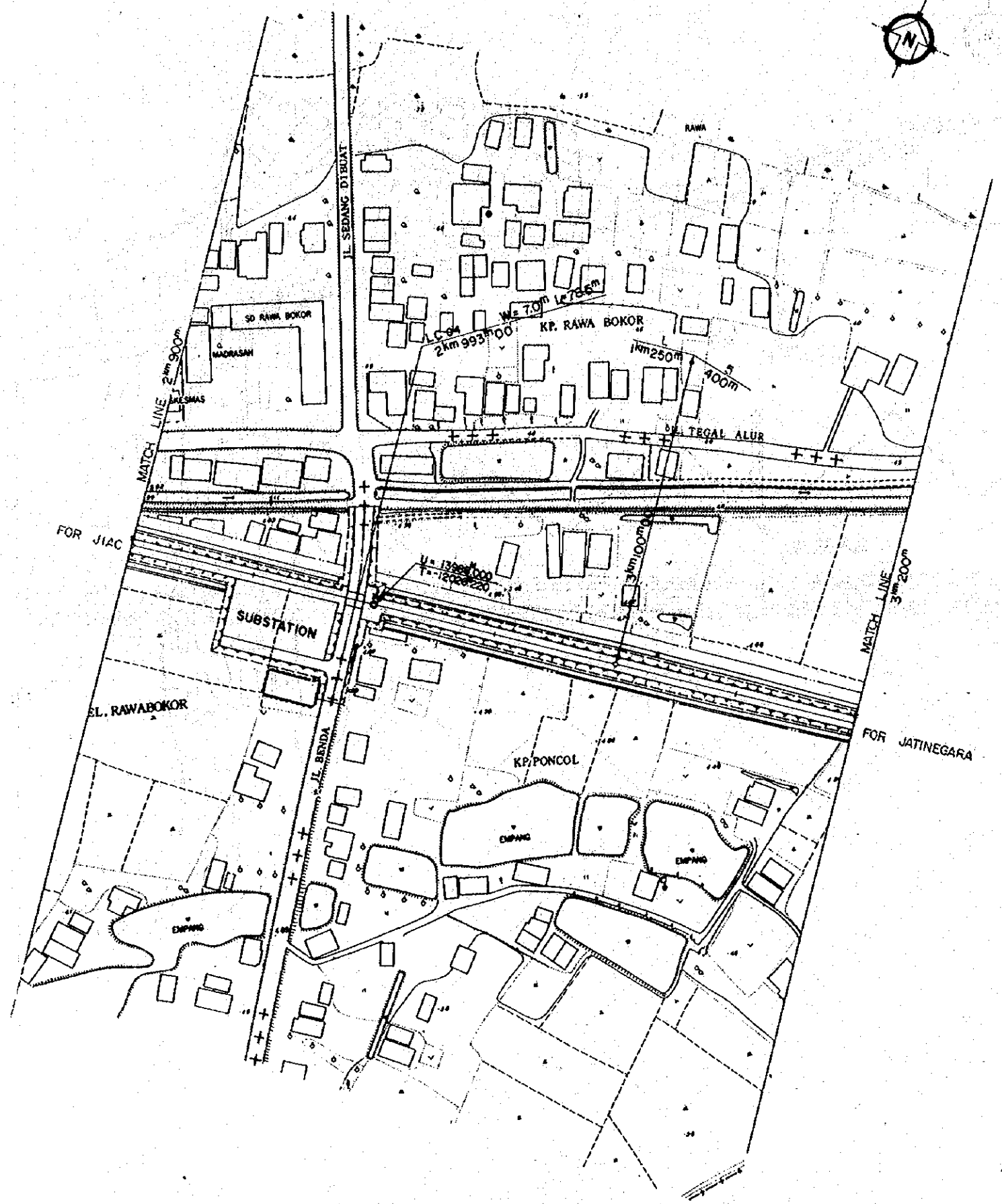
NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1, AUG. 89	T.T.	T.H.	I.H.	K.M.	M.K.
A	15 FEB. 88	T.T.	T.H.	I.H.	K.M.	M.K.

PLAN (SHEET 5 OF 45)

PACKAGE: ■ TRACK WORK
 SCALE: 1:1000 DRAWING NO: TG-008



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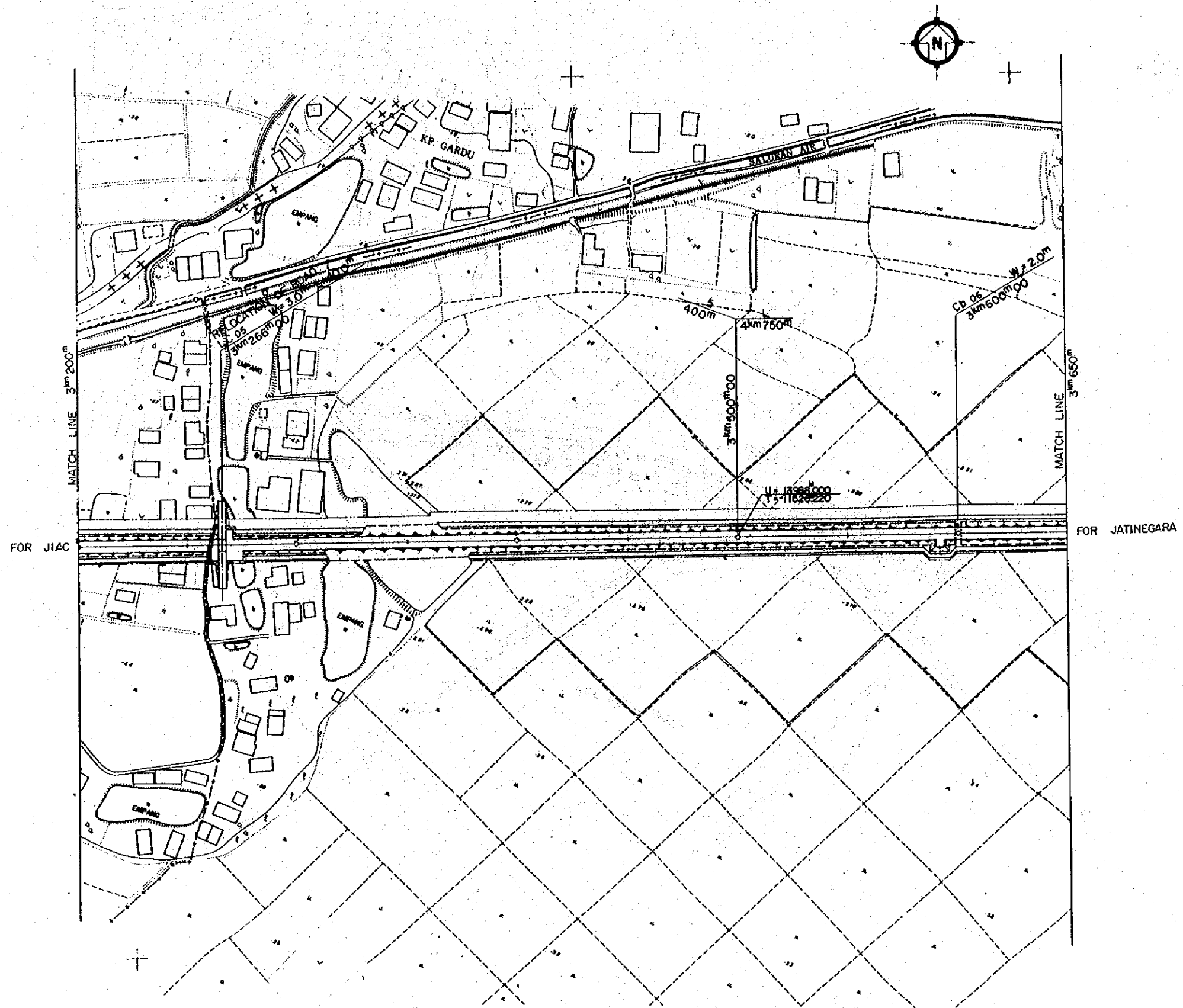
**NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT**

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 (JICA)

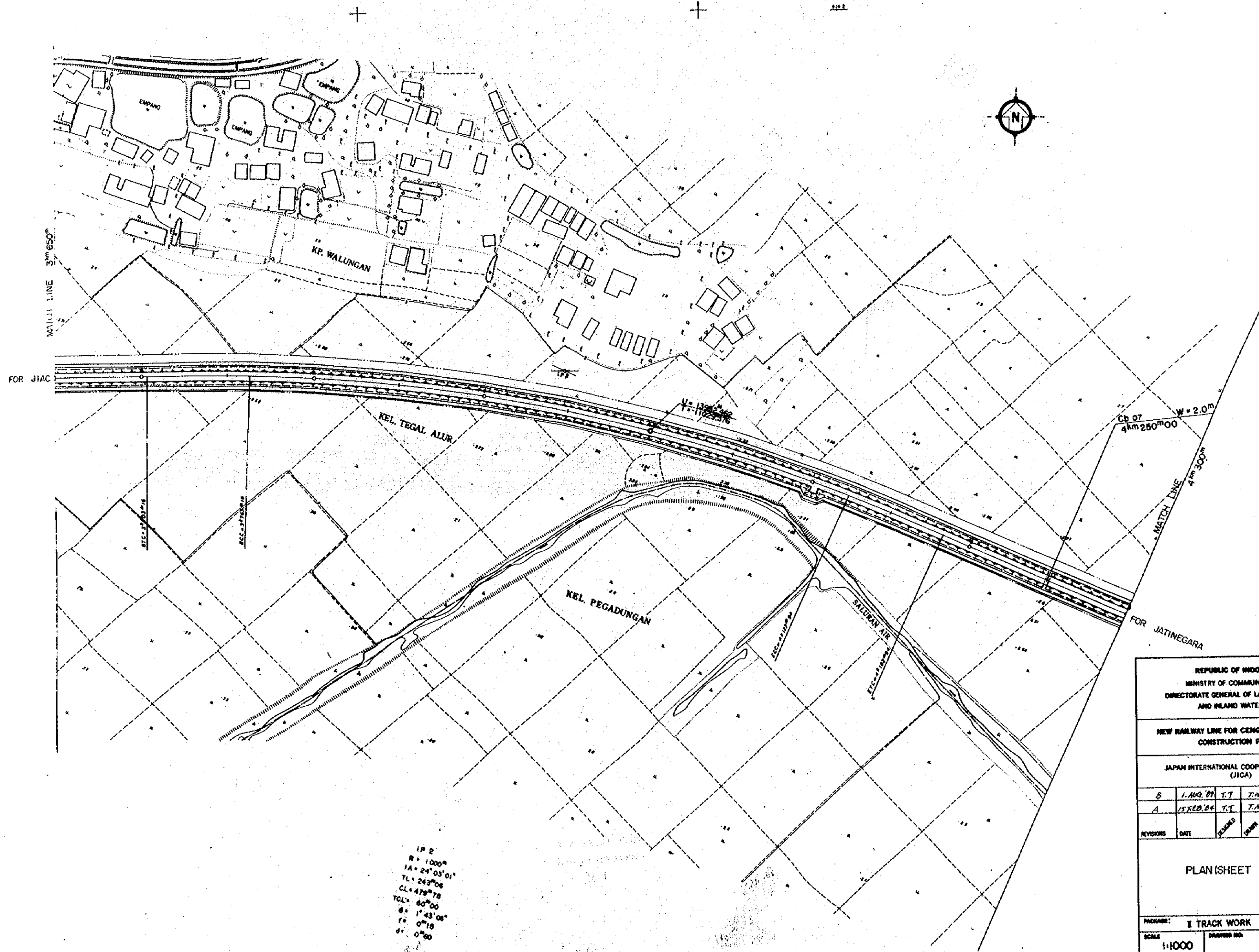
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A	15 FEB. 89	T.T.	T.N.	I.M.	K.M.

PLAN (SHEET 6 OF 45)

PACKAGE: **II TRACK WORK**
 SCALE: **1:1000** DRAWING NO.: **TG-009**



REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 89	T.T	T.H	I.M	K.M	H.K
A	15 FEB 89	T.T	T.H	I.M	K.M	H.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 7 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:1000		DRAWING NO: TG-010				



IP 2
 R = 1000m
 IA = 24° 03' 01"
 TL = 243.08
 CL = 479.78
 TOL = 60.00
 θ = 1° 43' 08"
 T = 0.18
 G = 0.80

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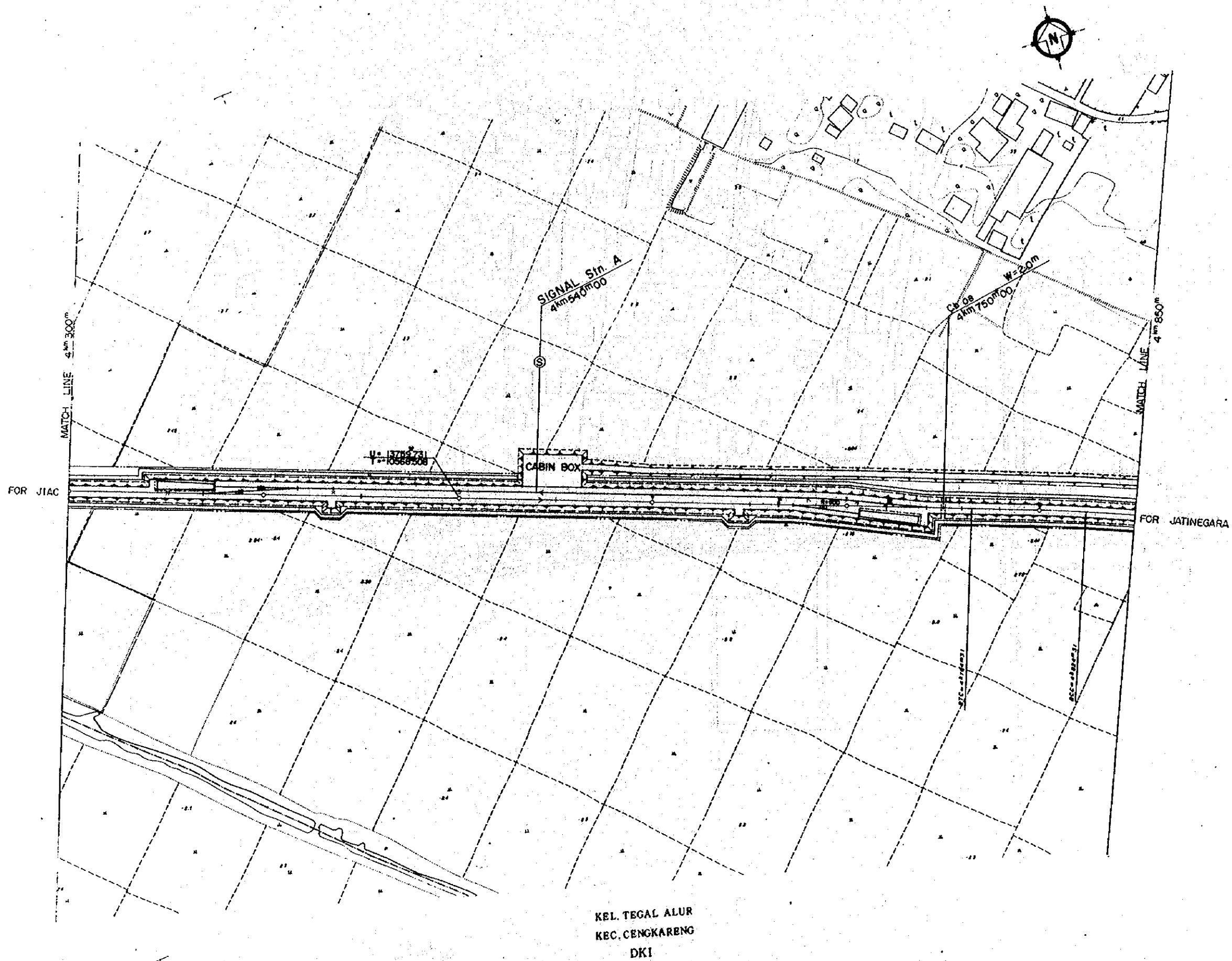
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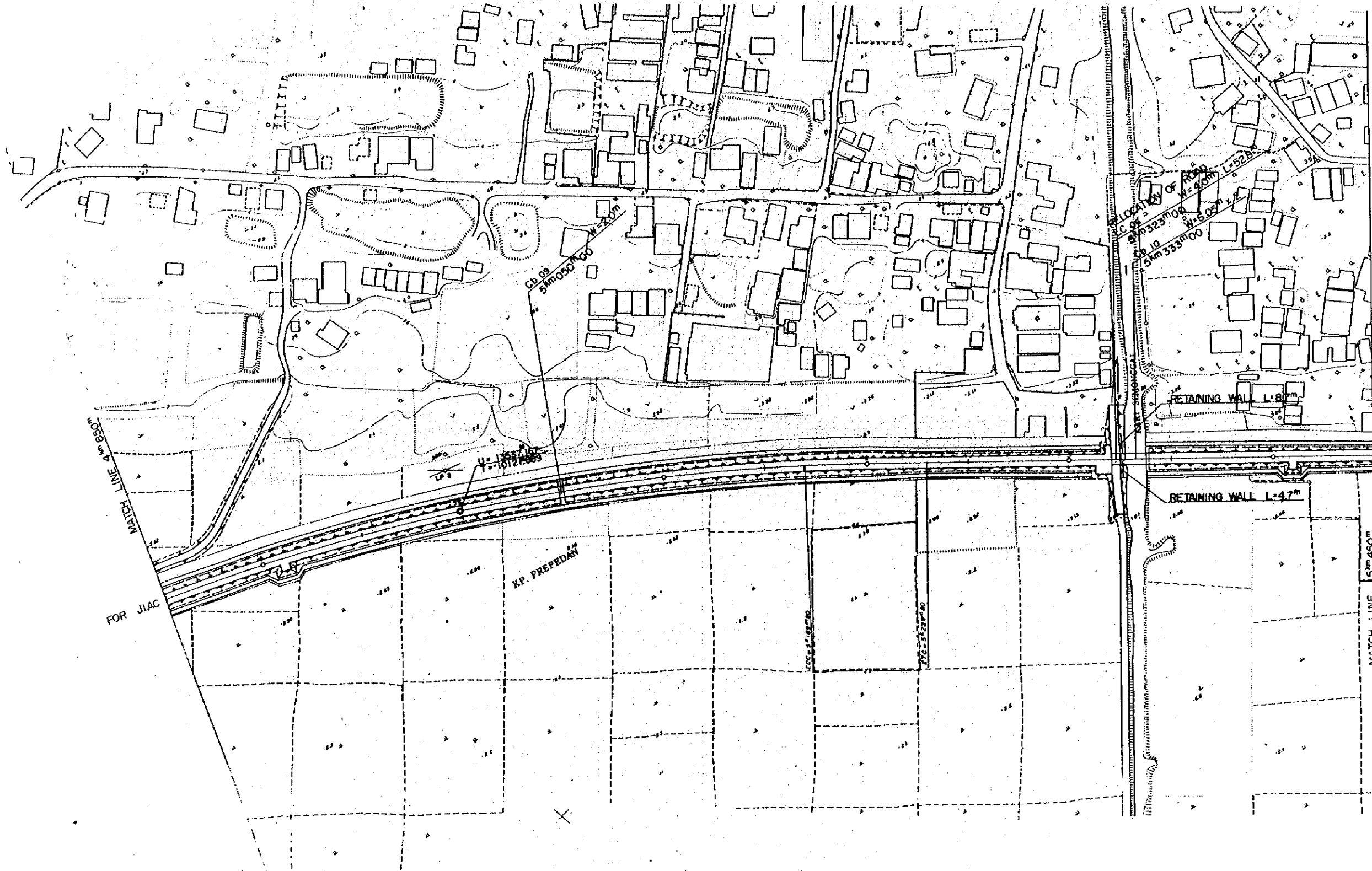
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 84	T.T.	T.N.	I.M.	K.M.	A.K.
A	15 FEB 84	T.T.	T.N.	I.M.	K.M.	A.K.

PLAN (SHEET 8 OF 45)

PACKAGE: I TRACK WORK
 SCALE: 1:1000 DRAWING NO: TG-011



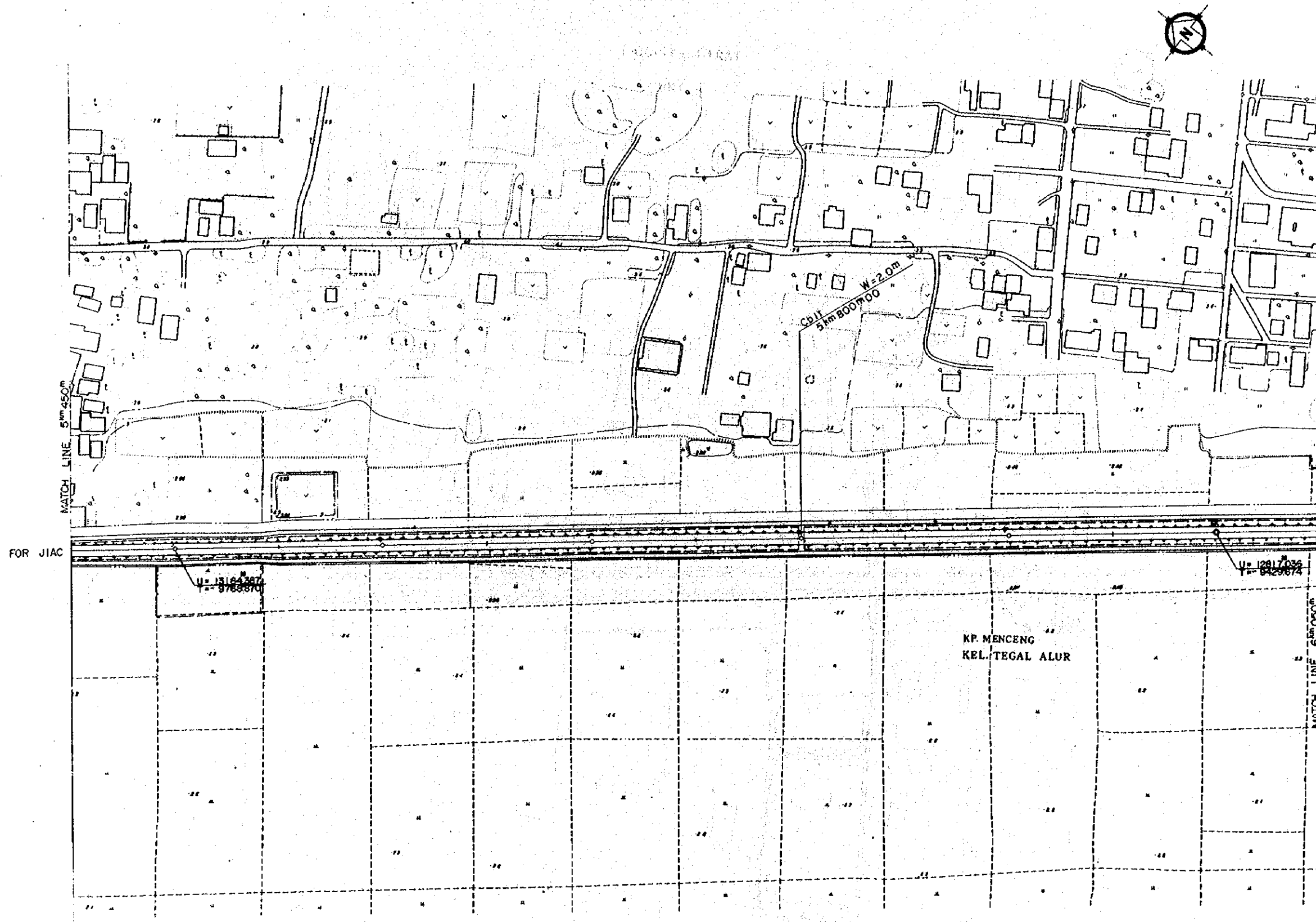
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1. NOV. 89	T.T.	T.H.	I.H.	U.M.	M.K.
A	15 FEB. 89	T.T.	T.H.	I.H.	U.M.	M.K.
PLAN (SHEET 9 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:1000		DRAWING NO: TG-012				



FOR JATINEGARA

IP 3
 R = 1000m
 LA = 23° 13' 55"
 TL = 235m 80
 CL = 465m 49
 TCL = 60m 00
 θ = 1° 43' 06"
 f = 0m 16
 g = 0m 60

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)						
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B	1. AUG. 81	TT	T.H.	I.M.	K.M.	M.K.
A	15 FEB. 81	TT	T.H.	I.M.	K.M.	M.K.
PLAN (SHEET 10 OF 45)						
PACKAGE: II TRACK WORK						
SCALE	1:1000		DRAWING NO.	TG-013		

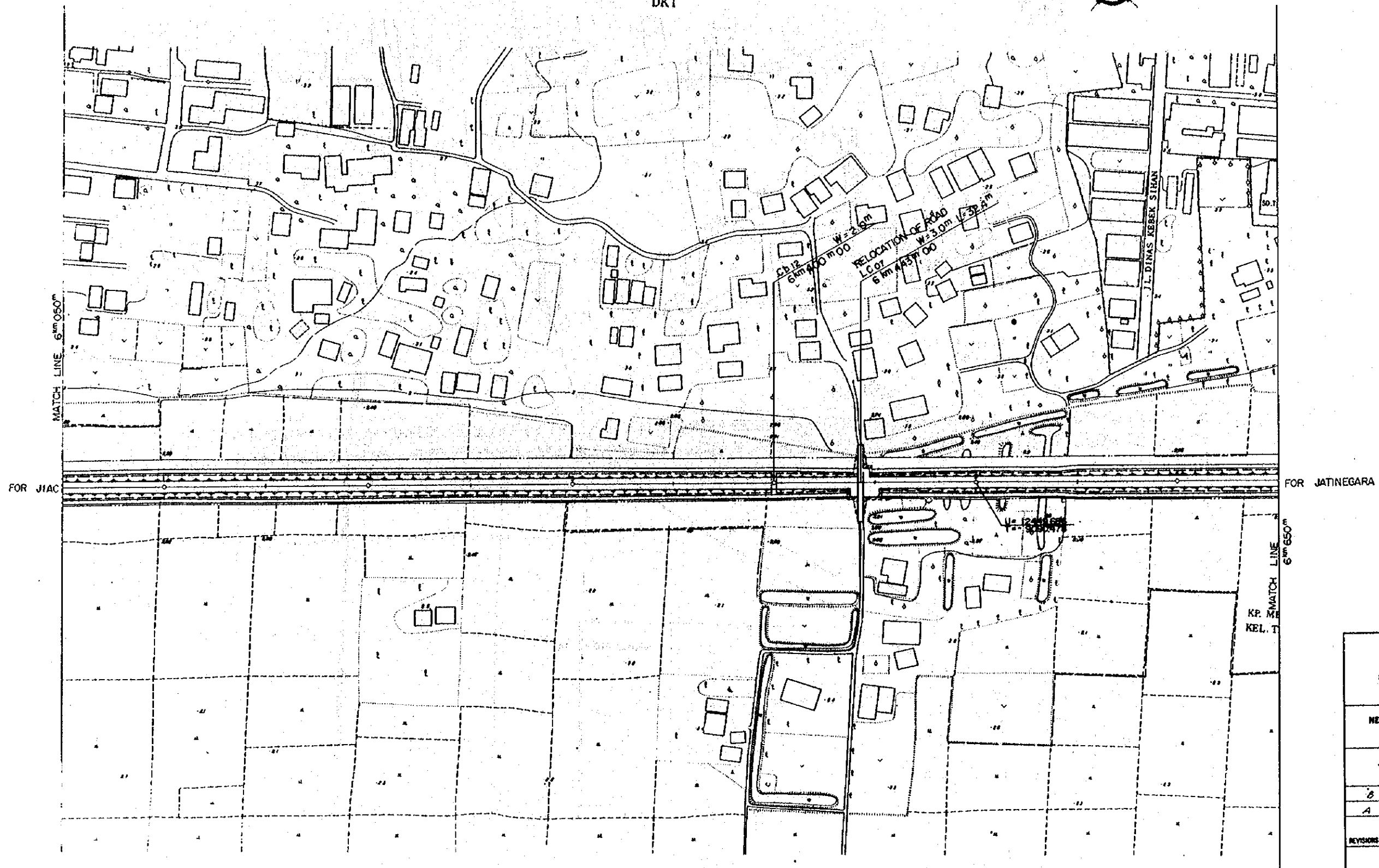


FOR JATINEGARA

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)						
REVISED	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 89	T.T.	T.H.	I.H.	K.M.	A.S.
A	15 FEB 89	T.T.	T.H.	I.H.	K.M.	A.S.
PLAN (SHEET 11 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:1000		DRAWING NO: TG-014				

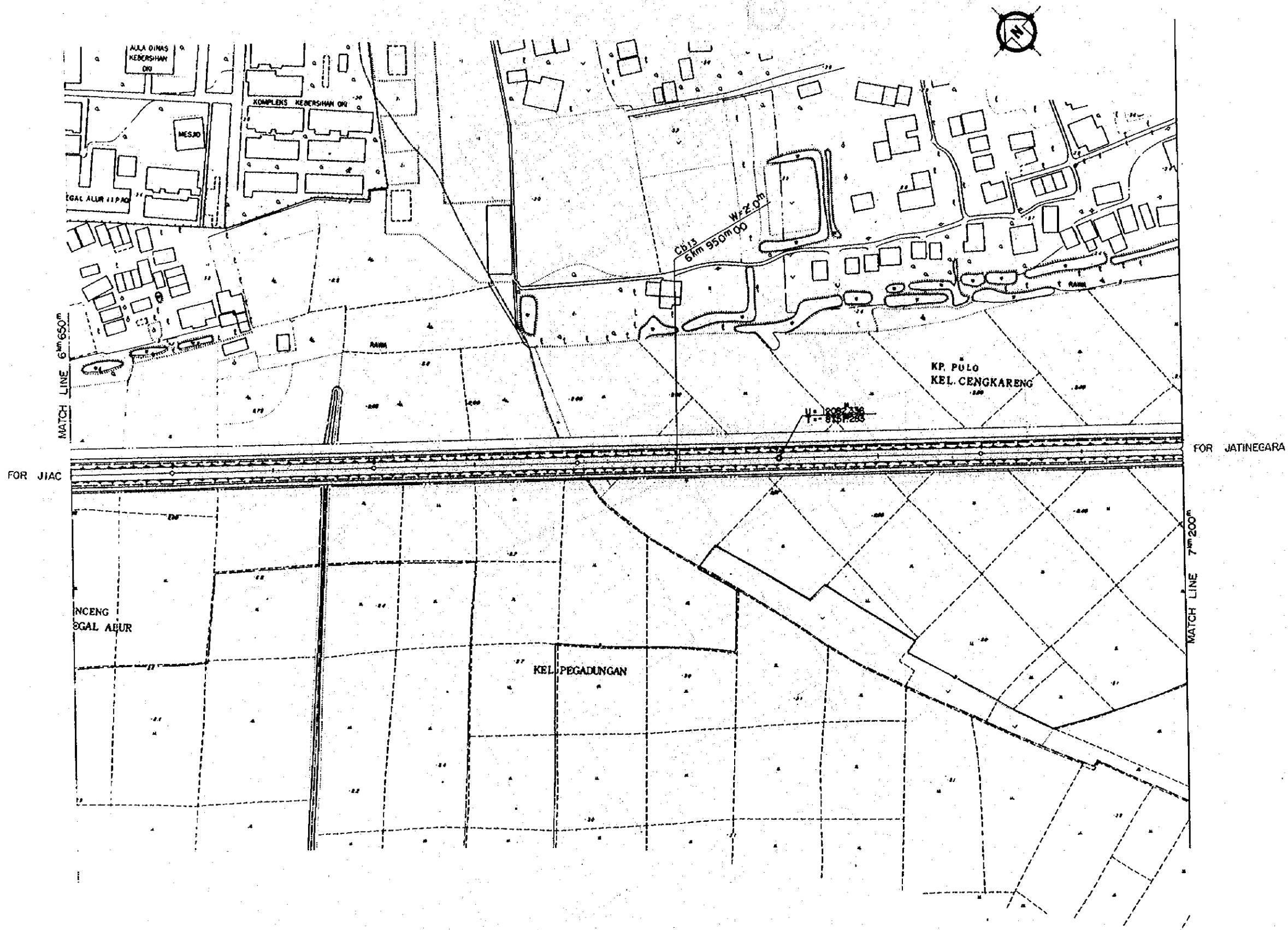
X

JAKARTA BARAT
DKI

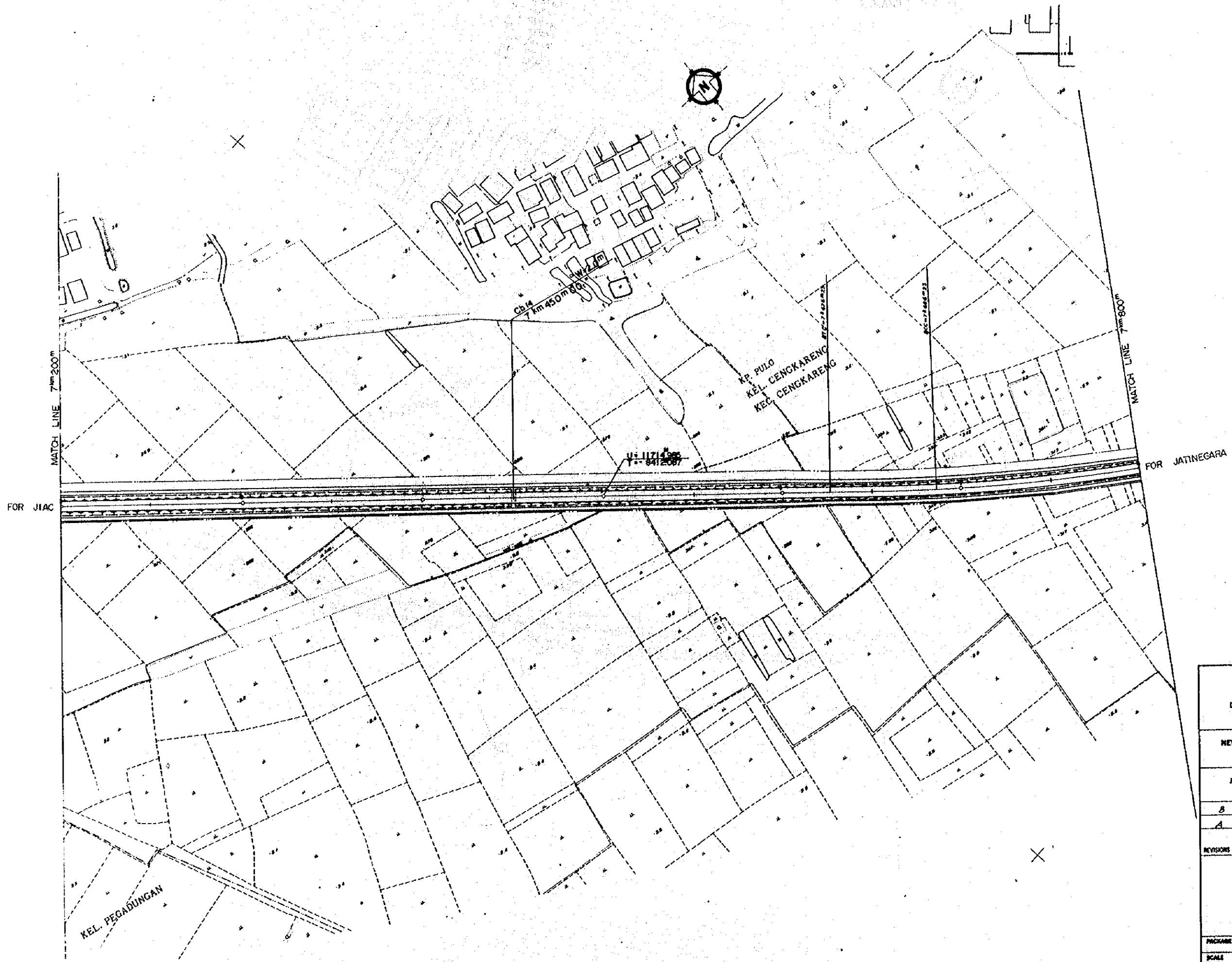


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 89	J.T.	J.N.	L.H.	K.M.	M.K.
A	15 FEB 89	J.T.	J.N.	L.H.	K.M.	M.K.
PLAN (SHEET 12 OF 45)						
PACKAGE: TRACK WORK						
SCALE		DRAWING NO.				
1:1000		TG-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. '81	T.T	T.N	I.M	K.M
A	15 FEB. '80	T.T	T.N	I.M	K.M
REVISION	DATE	DESIGNED	CHECKED	REVISED	SUBMITTED
PLAN (SHEET 13 OF 45)					
PACKAGE: I TRACK WORK					
SCALE	DRAWING NO.				
1:1000	TG-016				

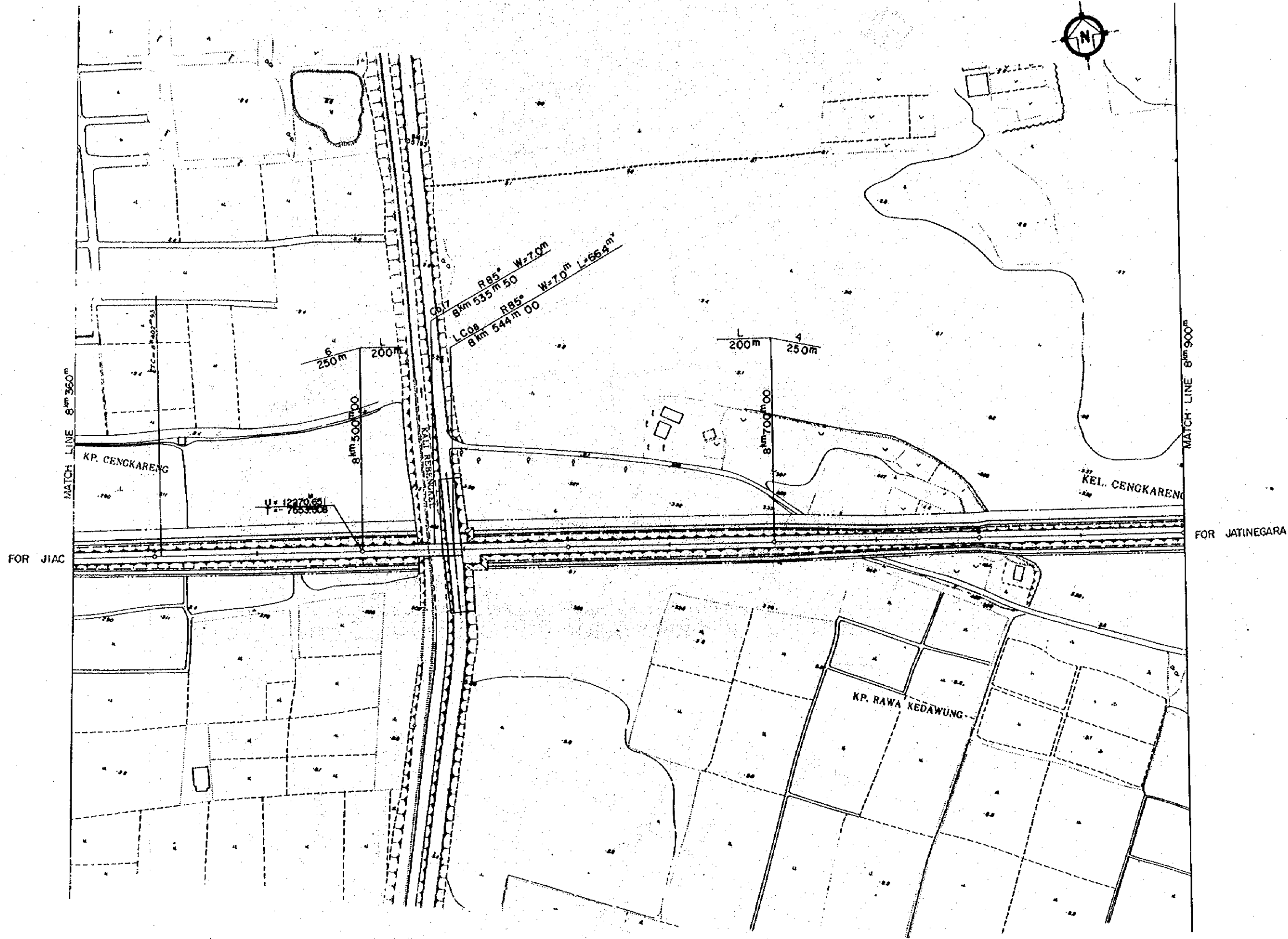


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 09	T.T.	T.H.	L.H.	K.M.	A.R.
A	15 FEB. 09	T.T.	T.H.	L.H.	K.M.	A.R.
REVISIONS	DATE	SCHEMED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 14 OF 45)						
PACKAGE: I TRACK WORK						
SCALE	DRAWING NO.					
1:1000	TG-017					

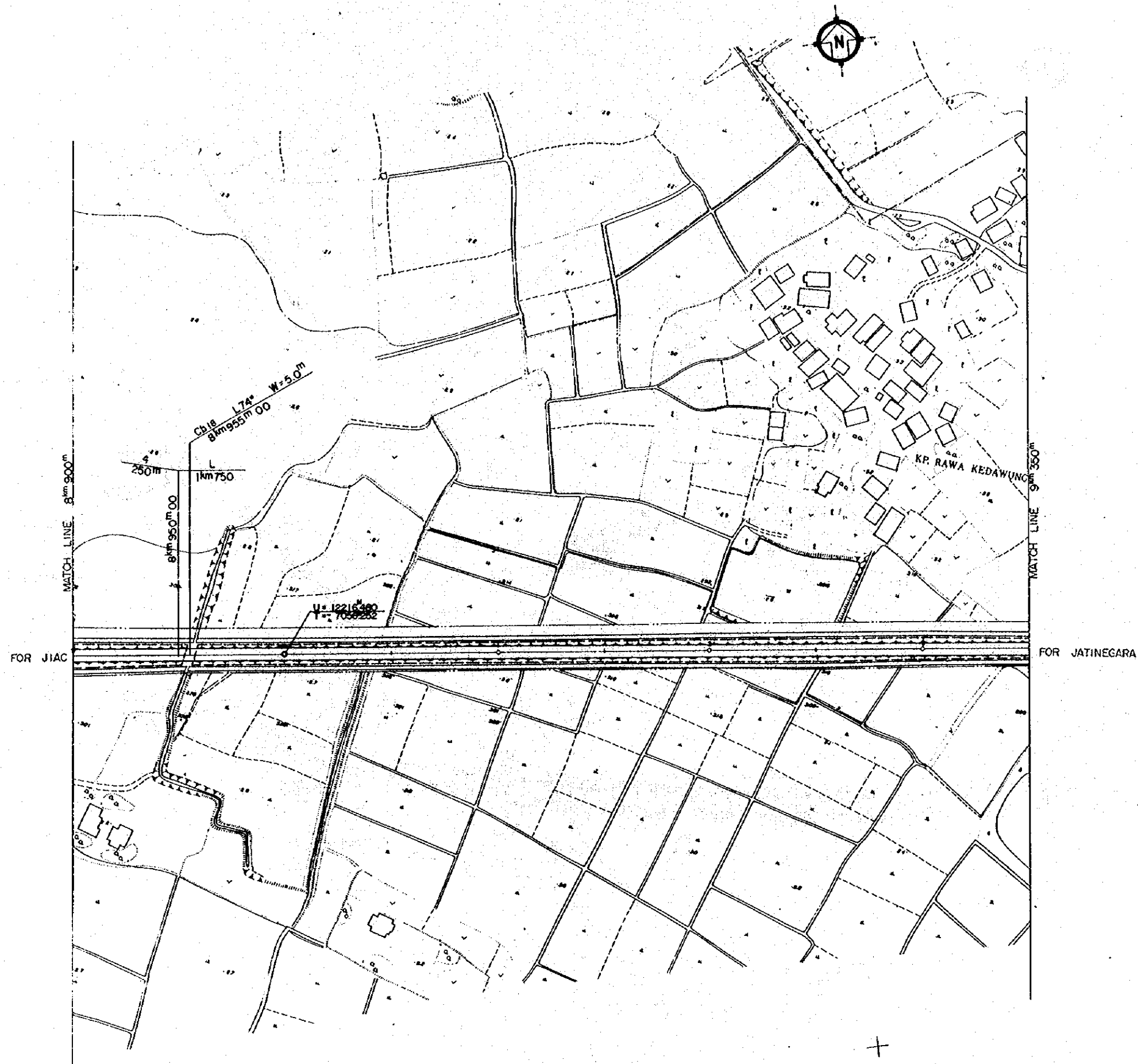
IP4
 R = 1000m
 IA = 41°03'44"
 TL = 404°57'
 CL = 778°70'
 TCL = 80°00'
 θ = 1°43'06"
 I = 0°15'
 θ = 0°80'



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. 87	J.T.	T.N.	I.H.	K.M.
A	15 FEB. 88	J.T.	T.N.	I.H.	K.M.
REVISIONS	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 15 OF 45)					
PACKAGE: II TRACK WORK					
SCALE	DRAWING NO.				
1:1000	TG-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. 04	T.T	T.N	I.M	U.M	M.K
A	1, FEB. 04	T.T	T.N	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 16 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:1000		DRAWING NO: TG-019				



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

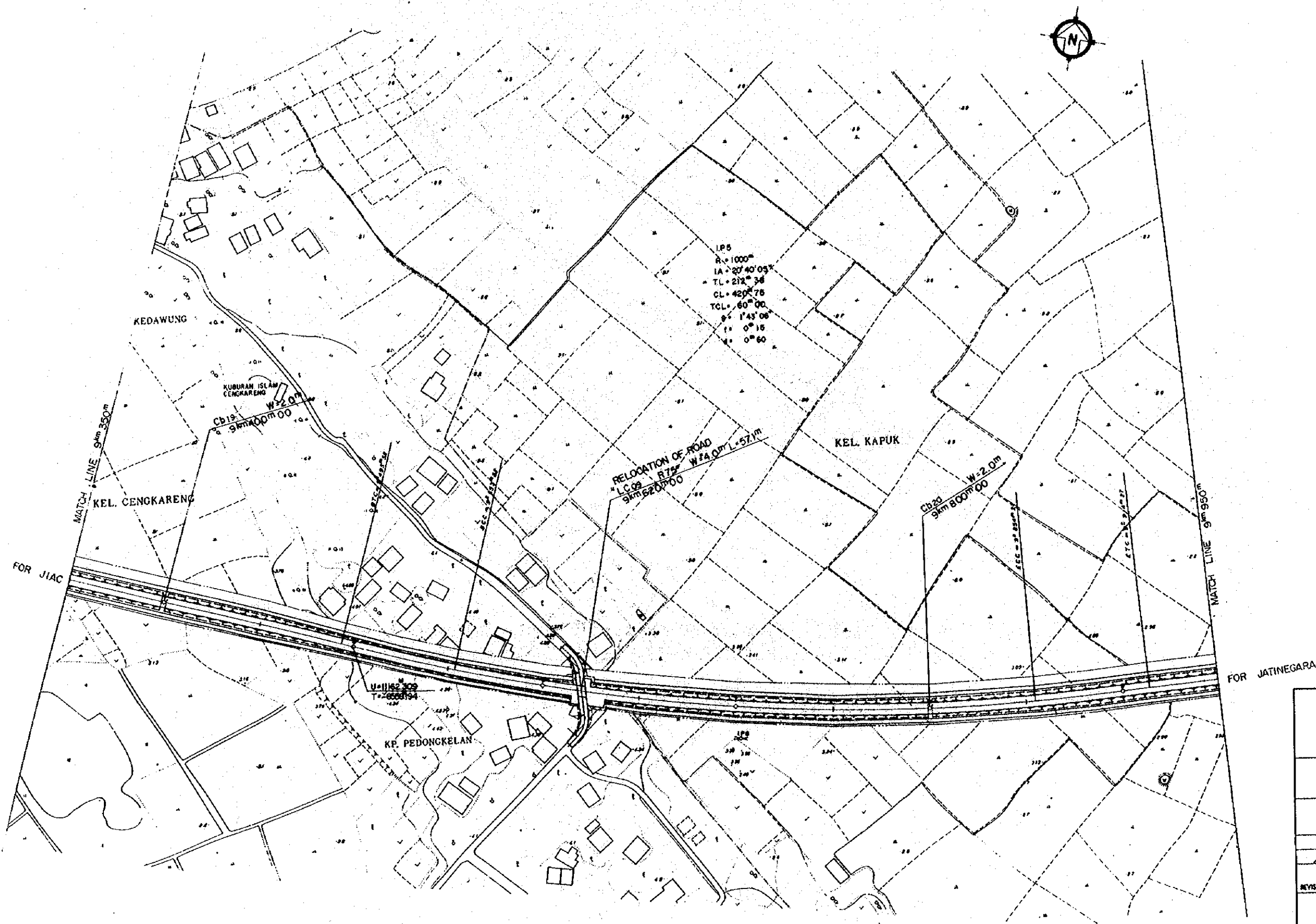
**NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT**

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

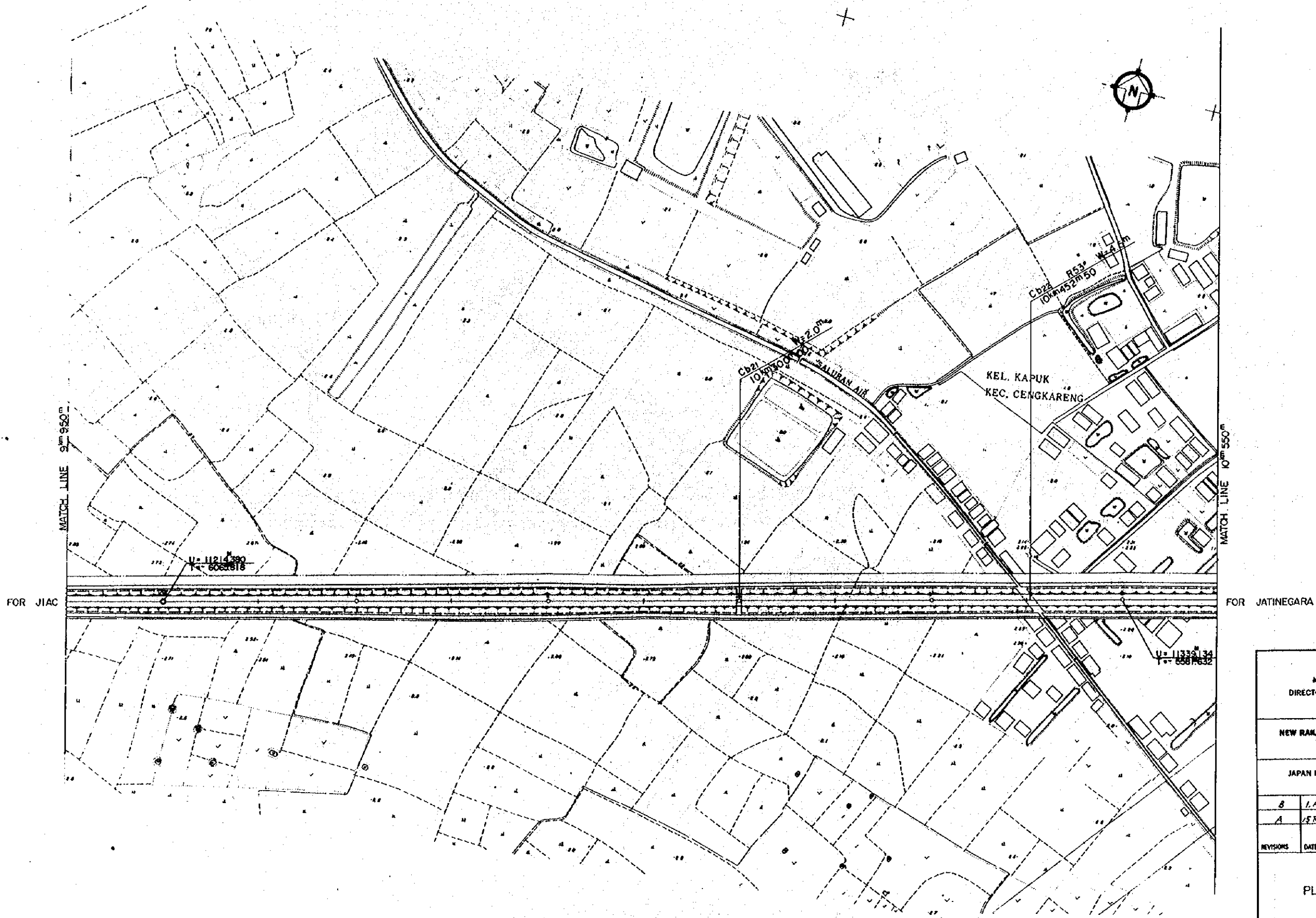
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 09	TT	T.H.	I.M.	K.M.	A.K.
A	15 FEB 09	TT	T.H.	I.M.	K.M.	A.K.

PLAN (SHEET 17 OF 45)

PACKAGE: **I TRACK WORK**
 SCALE: 1:1000 DRAWING NO: TG-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)					
B	1 AUG 89	T.T	T.N	I.M	K.M
A	3 FEB 89	T.T	T.N	I.M	K.M
REVISIONS	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 18 OF 45)					
PACKAGE: I TRACK WORK					
SCALE: 1:1000		DRAWING NO: TG-021			



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

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

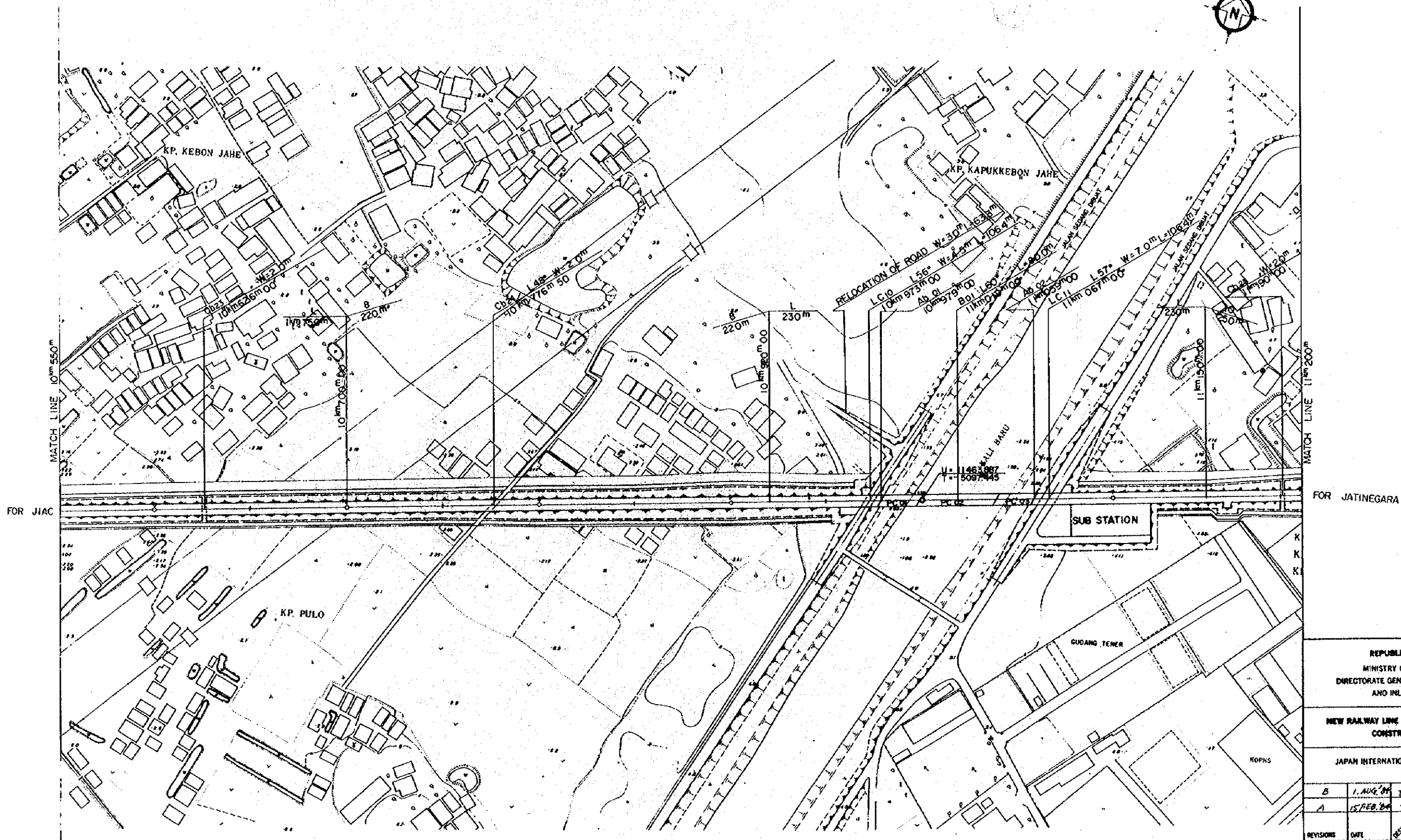
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 89	T.T.	T.N.	I.H.	K.M.	M.K.
A	15 FEB 86	T.T.	T.N.	I.H.	K.M.	M.K.

PLAN (SHEET 19 OF 45)

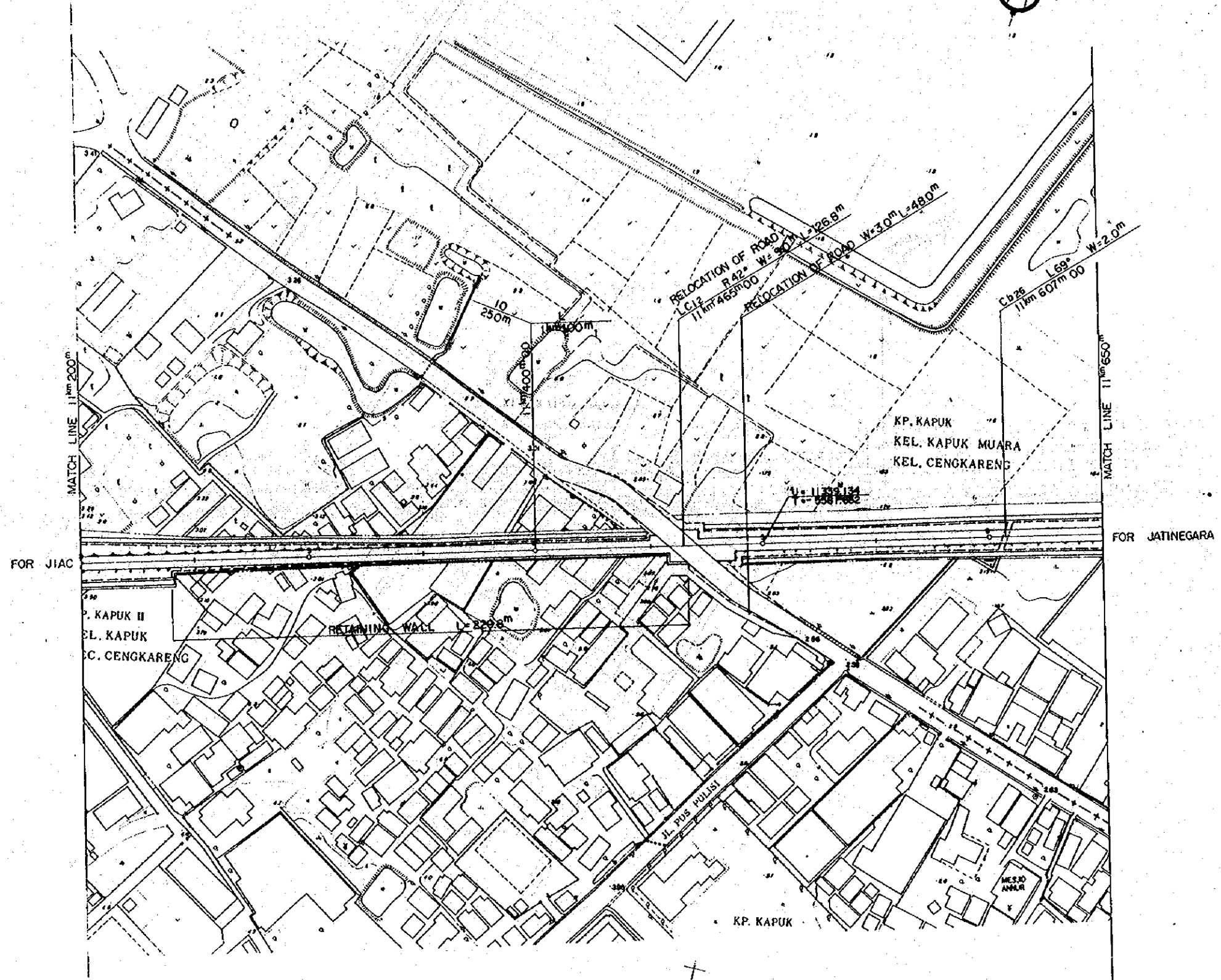
PACKAGE: **1 TRACK WORK**

SCALE: 1:1000	DRAWING NO.: TG-022
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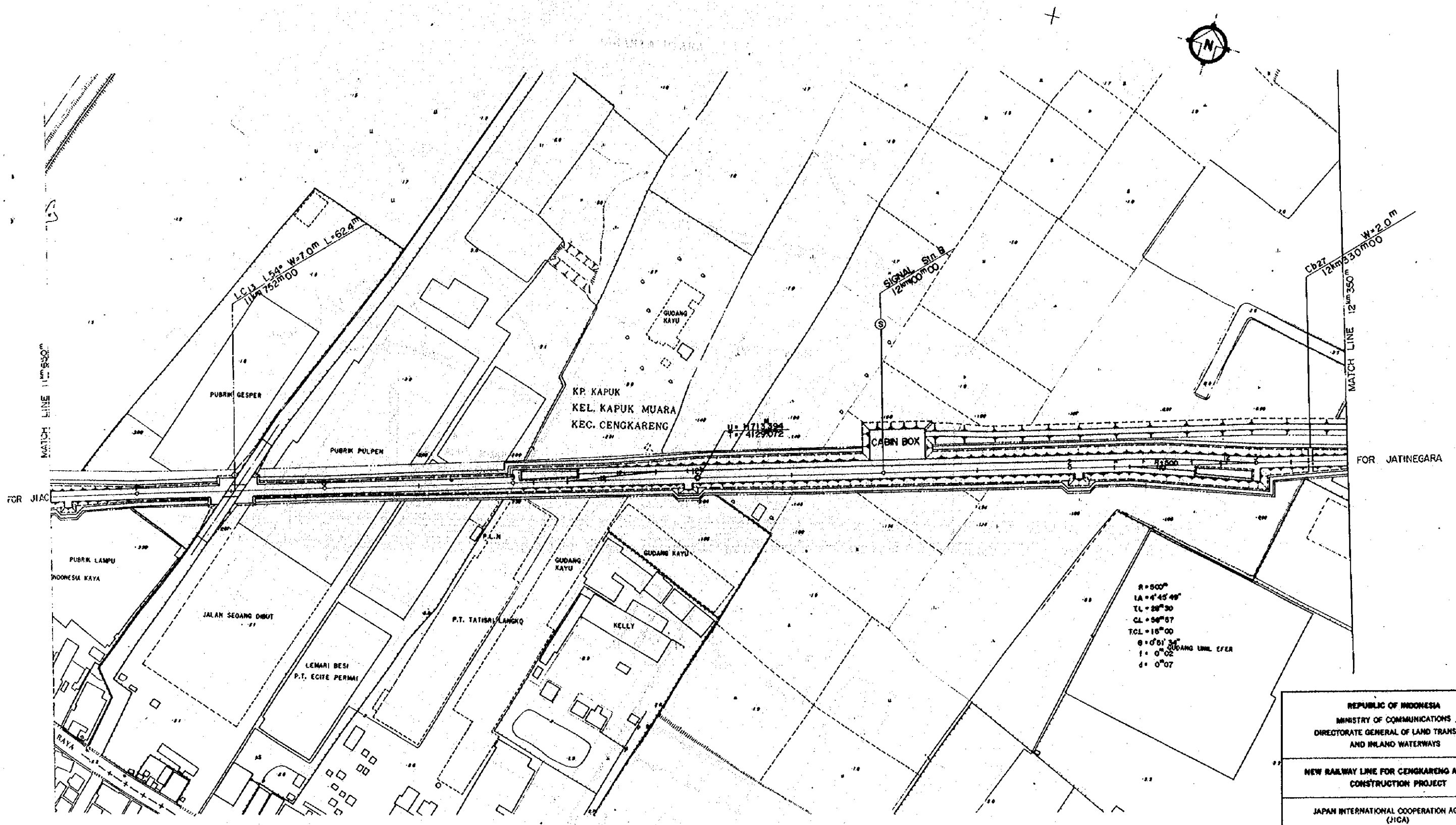


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 01	T.T	T.N.	I.M.	K.M.	M.K.
A	15 FEB. 01	T.T	T.N.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	REVISED	SUBMITTED
PLAN (SHEET 20 OF 45)						
PACKAGE: I TRACK WORK						
SCALE	1:1000		DRAWING NO.		TG-023	

JAKARTA UTARA

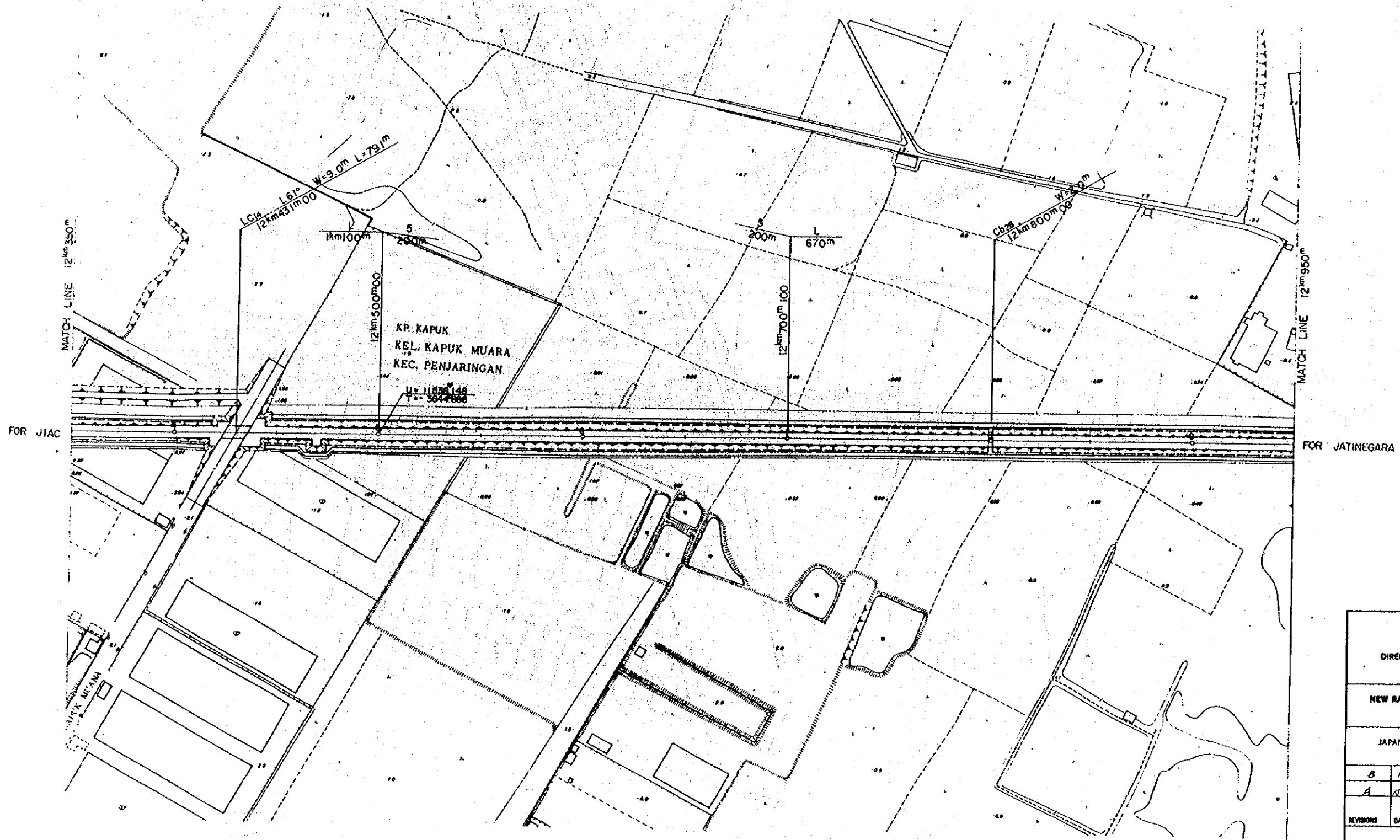


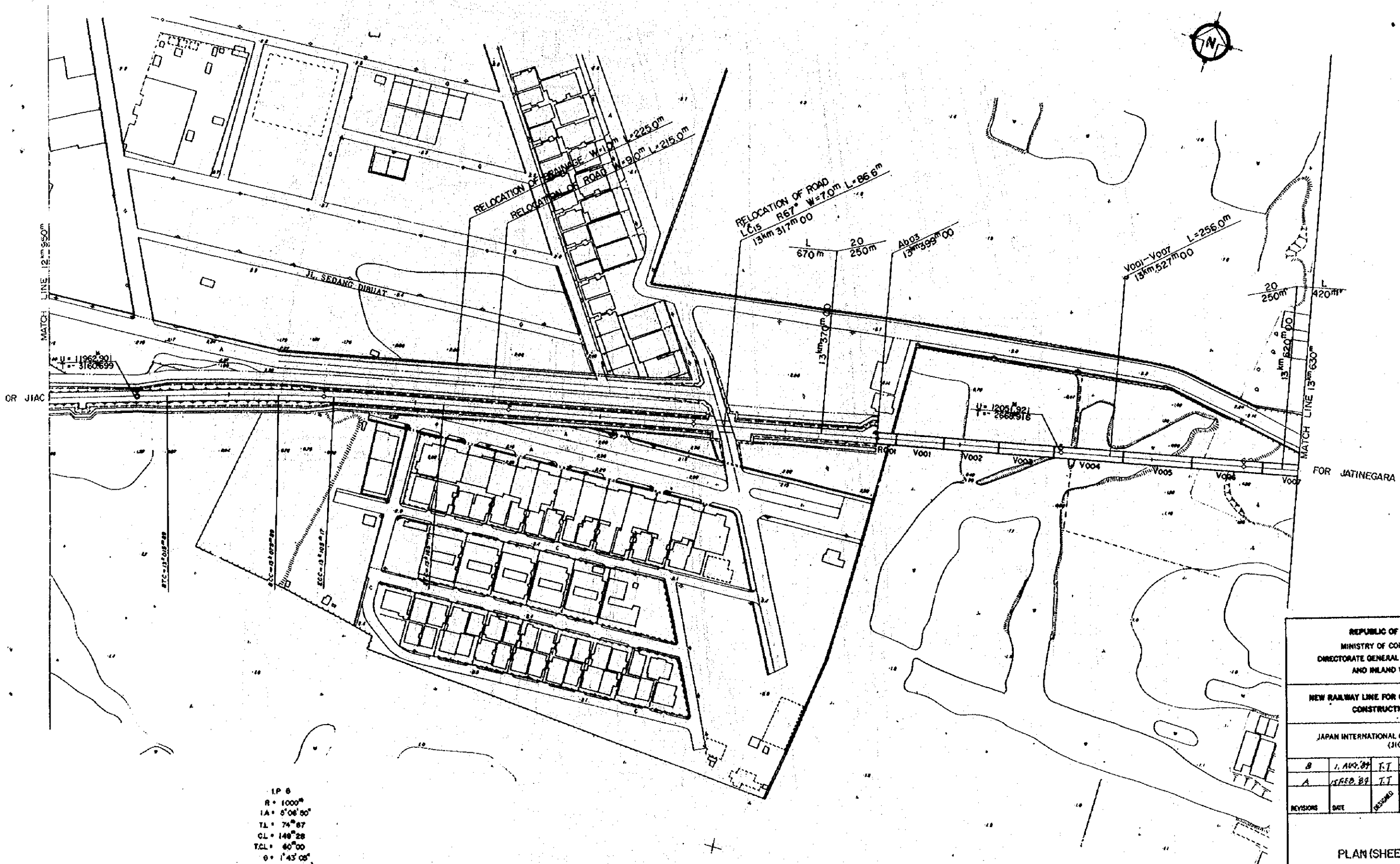
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 84	T.T	T.N	I.H	K.M	M.K
A	5 FEB. 84	T.T	T.N	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 21 OF 45)						
PACKAGE: II TRACK WORK						
SCALE: 1:1000		DRAWING NO: TG-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)						
D	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
PLAN (SHEET 22 OF 45)						
PACKAGE: E TRACK WORK						
SCALE	DRAWING NO.					
1:1000	T G-025					

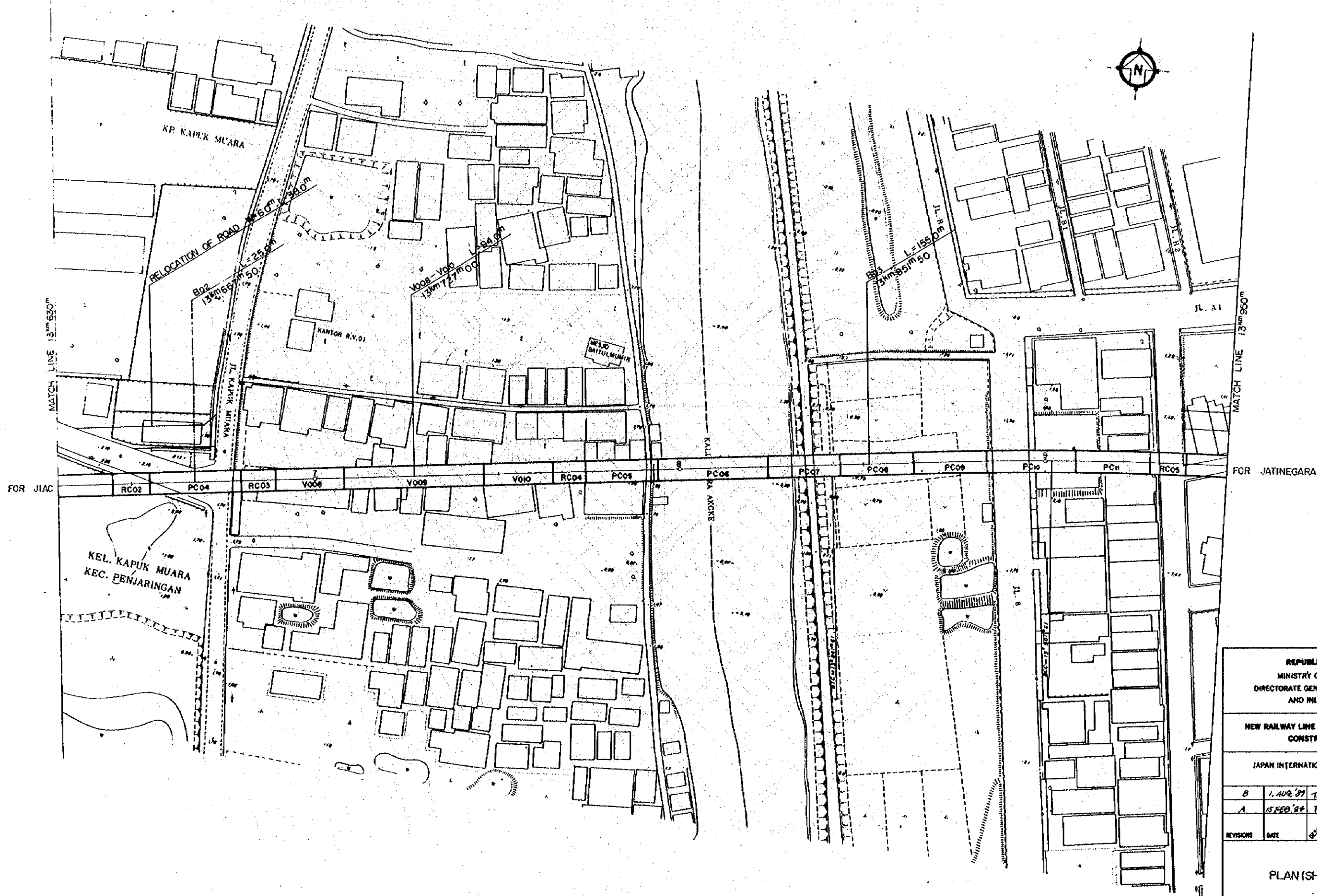
JAKARTA UTARA



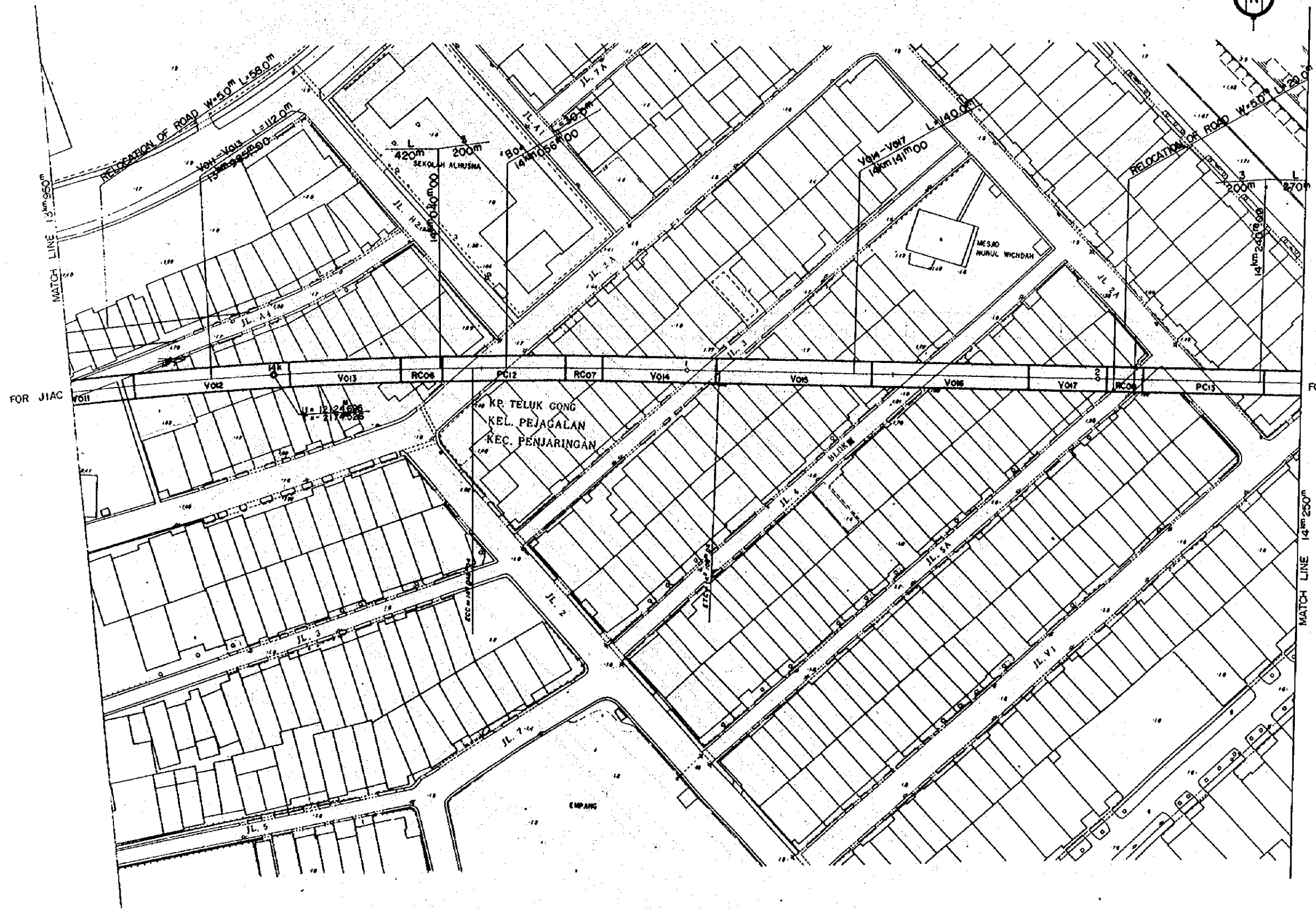


I.P. 6
 R = 1000^m
 IA = 5°08'00"
 IL = 74°07'
 CL = 148^m28
 T.C.L. = 60^m00
 0° = 1'45"00"
 1° = 0^m15
 4° = 0^m60

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	IT	T.N.	I.M.	K.M.	M.K.
A	15 FEB. 89	IT	T.N.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 24 OF 45)						
PACKAGE: I TRACK WORK						
SCALE	1:1000		DRAWING NO.	TG-027		

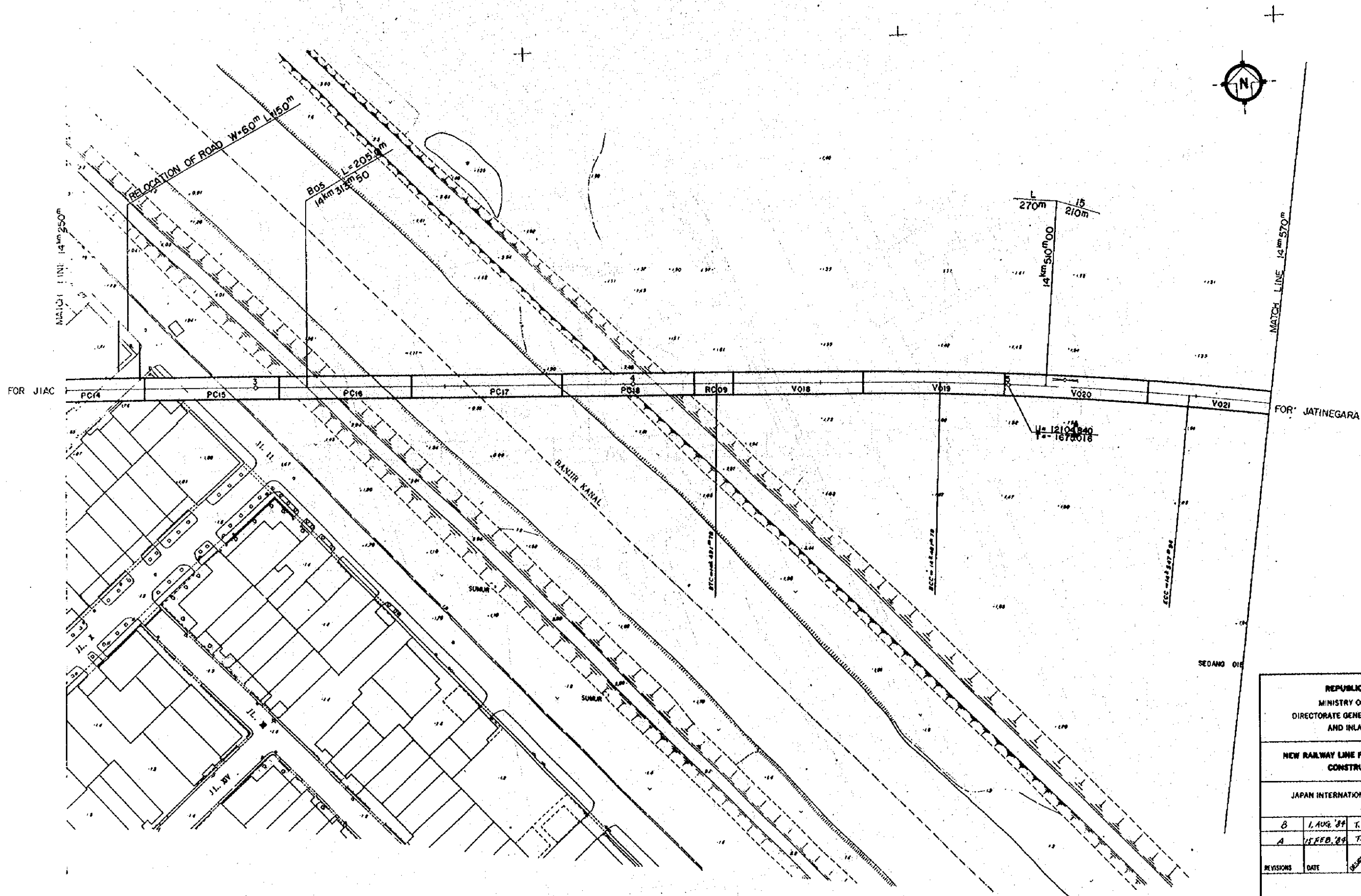


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG 89	T.T	T.H	I.H	K.M	M.K
A	15 FEB 88	T.T	T.H	I.H	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 25 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:500		DRAWING NO: TG-028				



IP 7
 R = 1000m
 IA = 11°49'35"
 TL = 133°60'
 CL = 268°43'
 TOL = 60°00'
 α = 1°43'06"
 β = 0°16'
 γ = 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 '88	T.T	T.N	I.M	K.M
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	SUBMITTED
PLAN (SHEET 26 OF 45)					
PACKAGE: I TRACK WORK					
SCALE	DRAWING NO.				
1:500	TG-029				



IP 8
 N = 1000m
 TA = 7°13'38"
 TL = 93°17'
 CL = 186°16'
 TGL = 80°00'
 0 = 1'43"08"
 1 = 0°16'
 4 = 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	M.K
A	15 FEB 84	T.T	T.M	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED	
PLAN (SHEET 27 OF 45)						
PACKAGE: II TRACK WORK						
SCALE: 1:500		DRAWING NO: TG-030				

JAKARTA UTARA



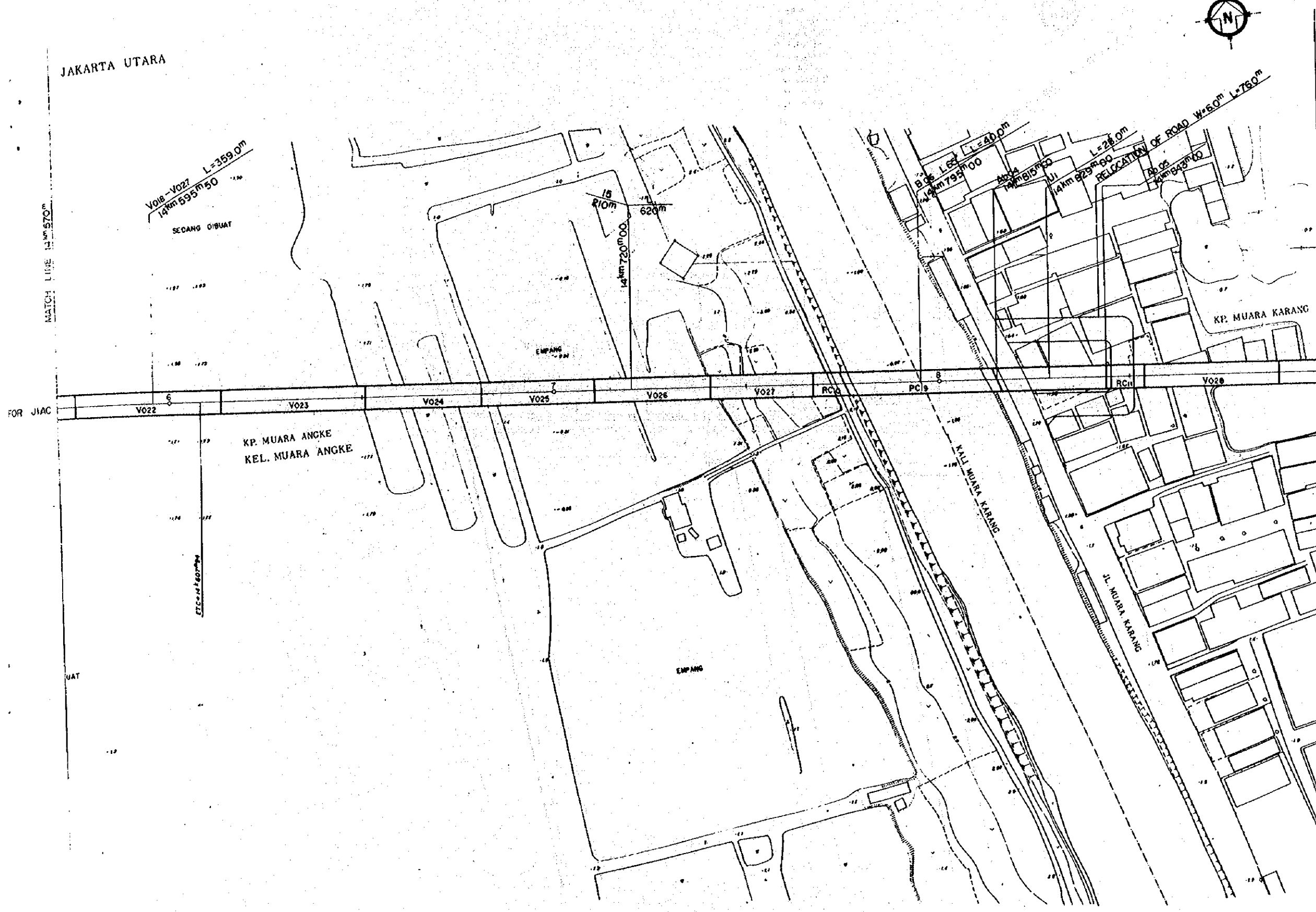
VO18-VO27 L=359.0m
14km 595m 50
SEDANG DI BUAT

MATCH LINE 14m 570m

MATCH LINE 14m 900m

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.	M.K.
A	15 FEB '89	T.M.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 28 OF 45)						
PACKAGE: I TRACK WORK						
SCALE	1:500	DRAWING NO. TG-031				

IP 9
 R = 1000"
 IA = 8° 37' 07"
 TL = 108° 34'
 CL = 210° 44'
 TCL = 80° 00'
 0 = 1' 43" 06"
 1 = 0° 16'
 2 = 0° 40'



RELOCATION OF WATER CHANNEL W=4.0' L=170.0'
 ETC=10° 12' 30"

MATCH LINE 15m 200m

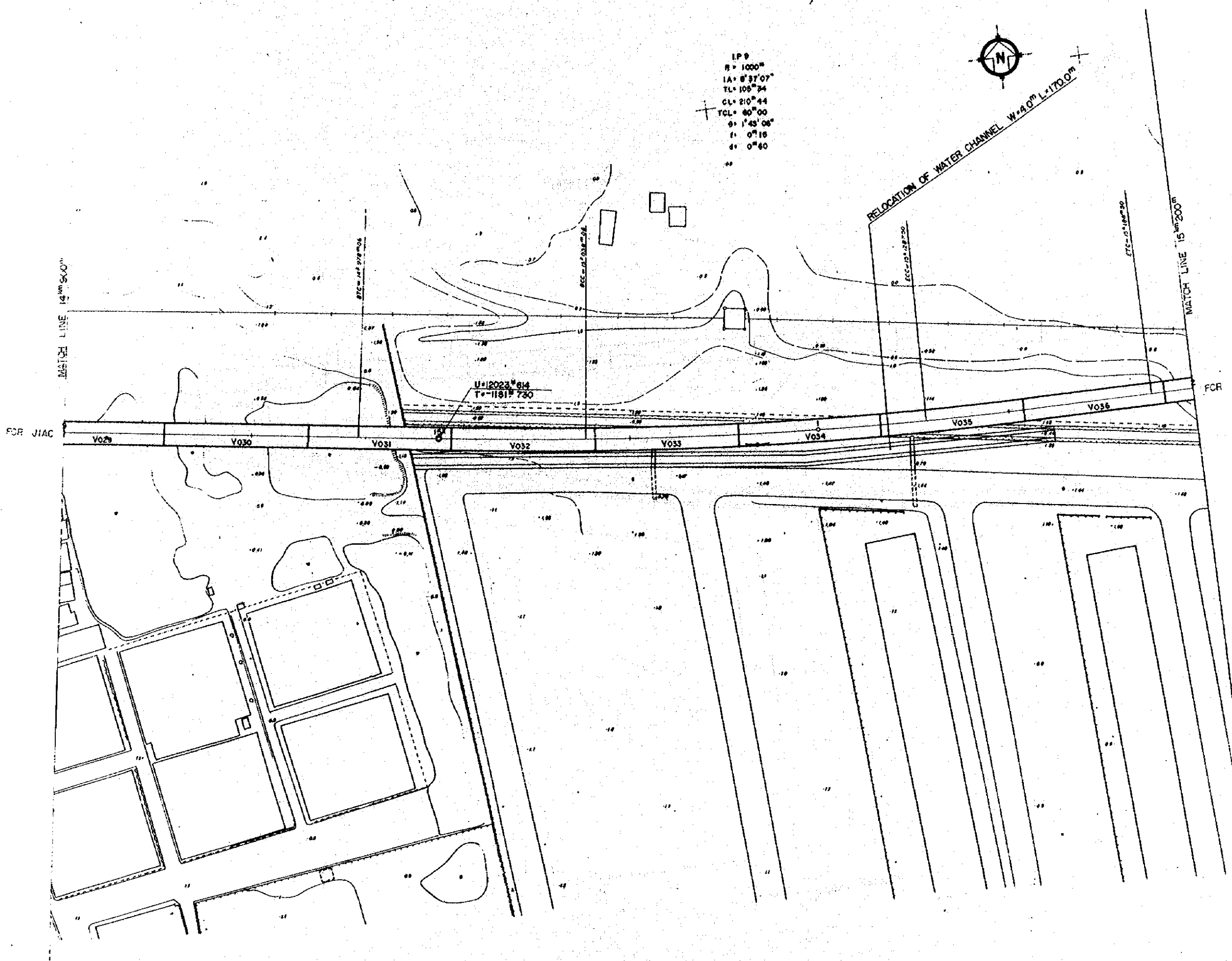
MATCH LINE 14m 500m

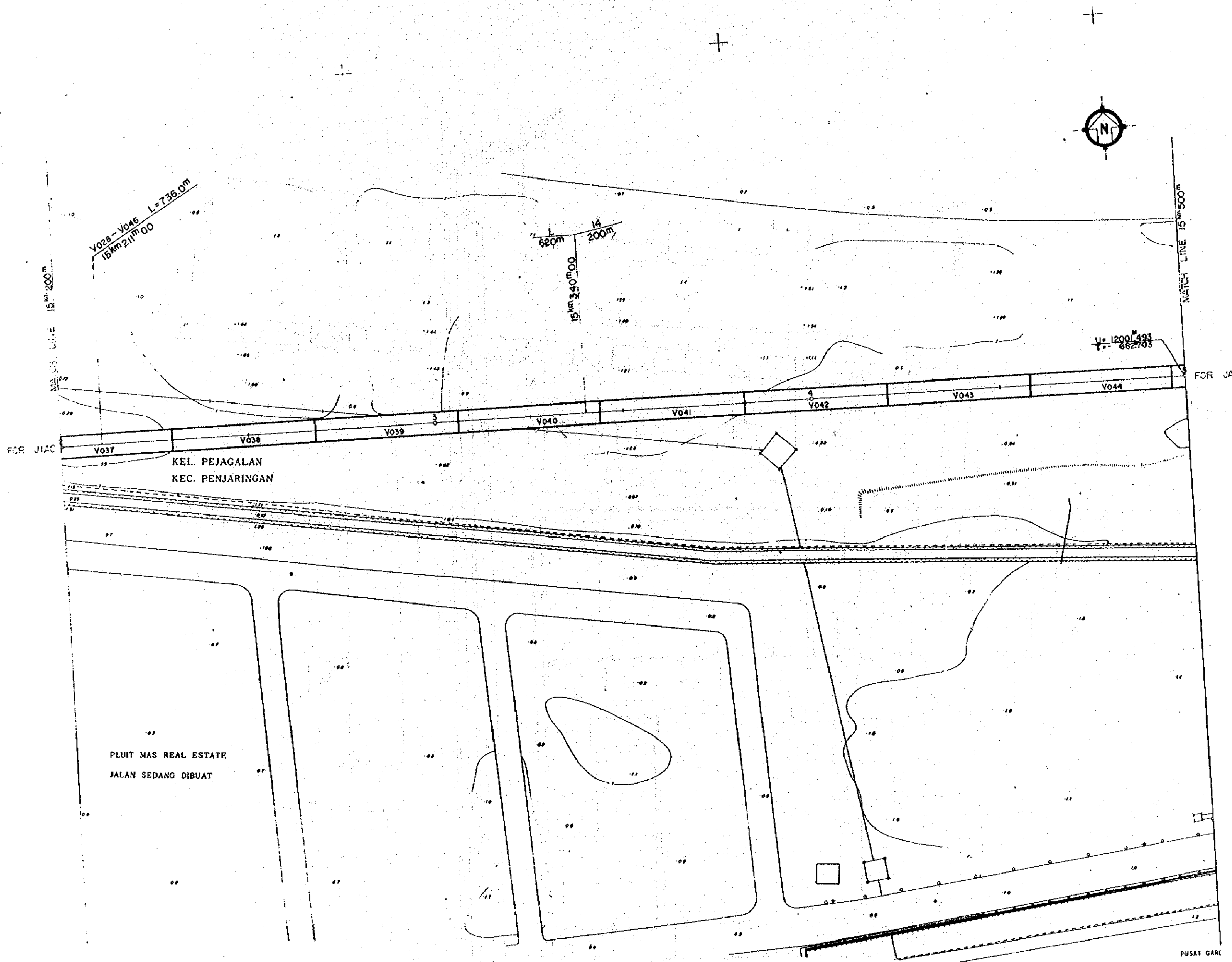
FCR JATINEGARA

FCR JIAC

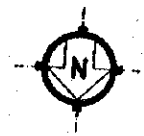
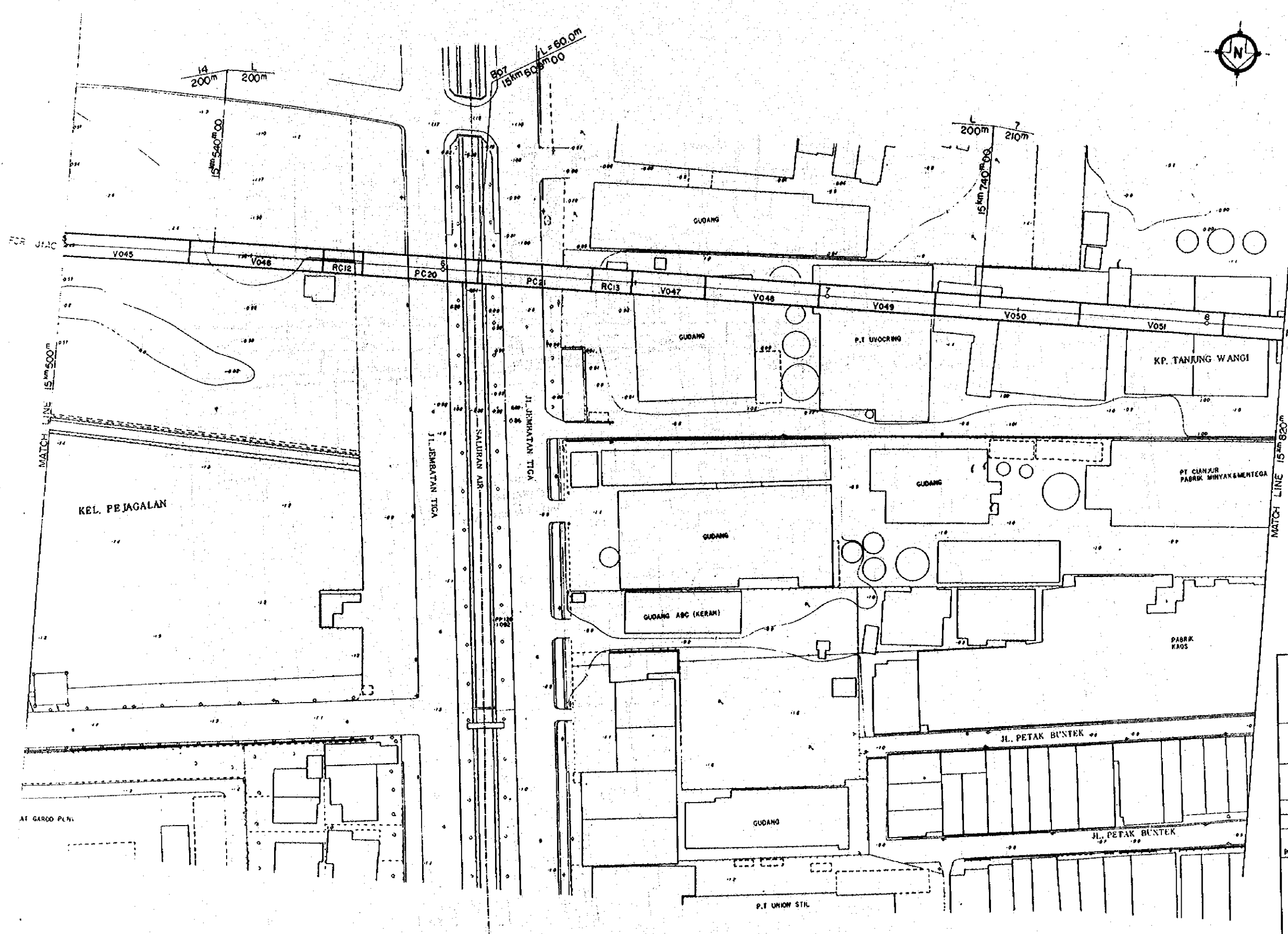
U=2023° 814
 T=1181° 730

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.	L.M.	K.M.	M.K.
A	15 FEB 89	T.M.	T.T.	L.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 29 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:500		DRAWING NO: TG-032				

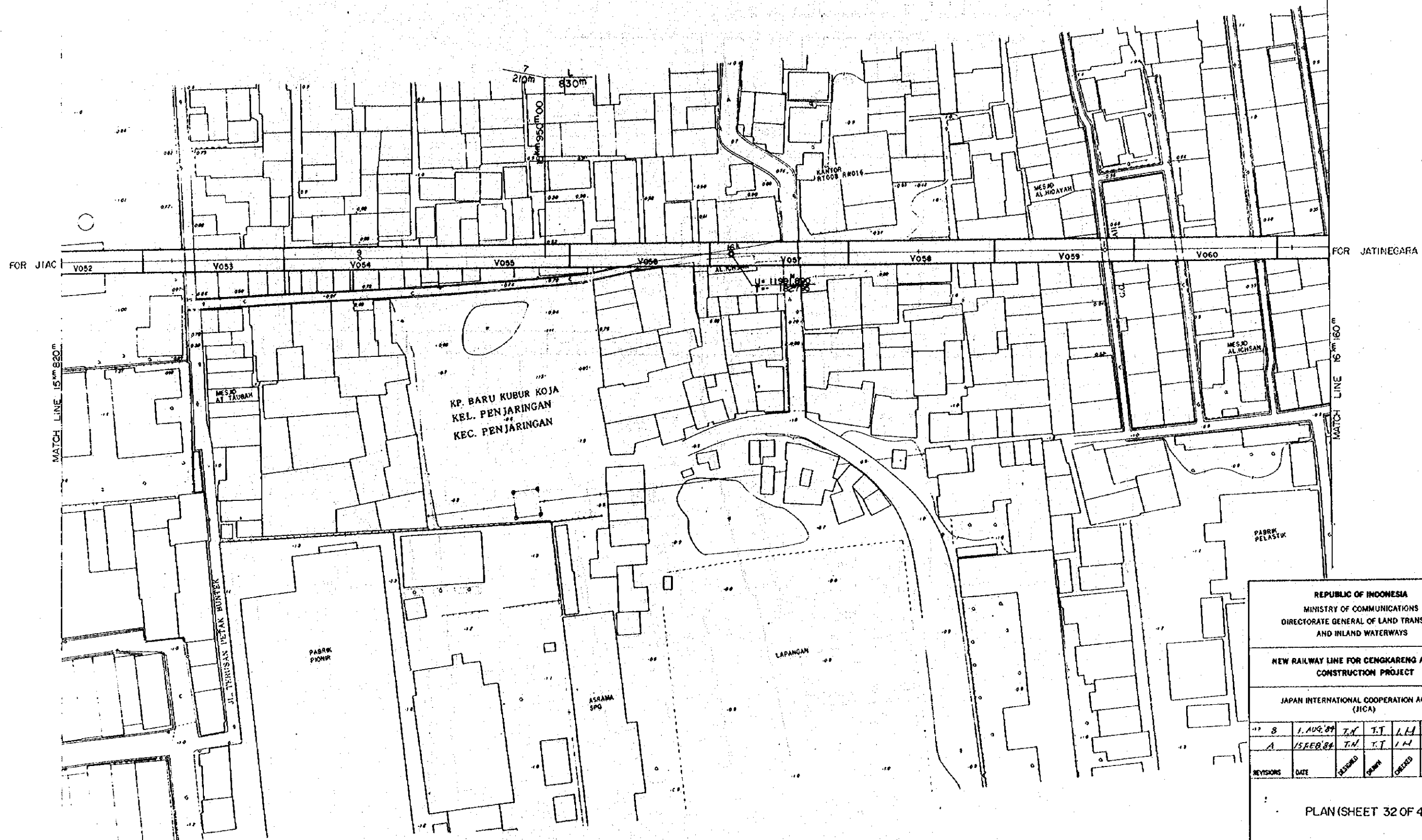




REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG 07	T.N.	T.T.	I.H.	K.M.	A.K.
A	15 FEB 04	T.N.	T.T.	I.H.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	SUBMITTED
PLAN (SHEET 30 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:500		DRAWING NO: TG-033				

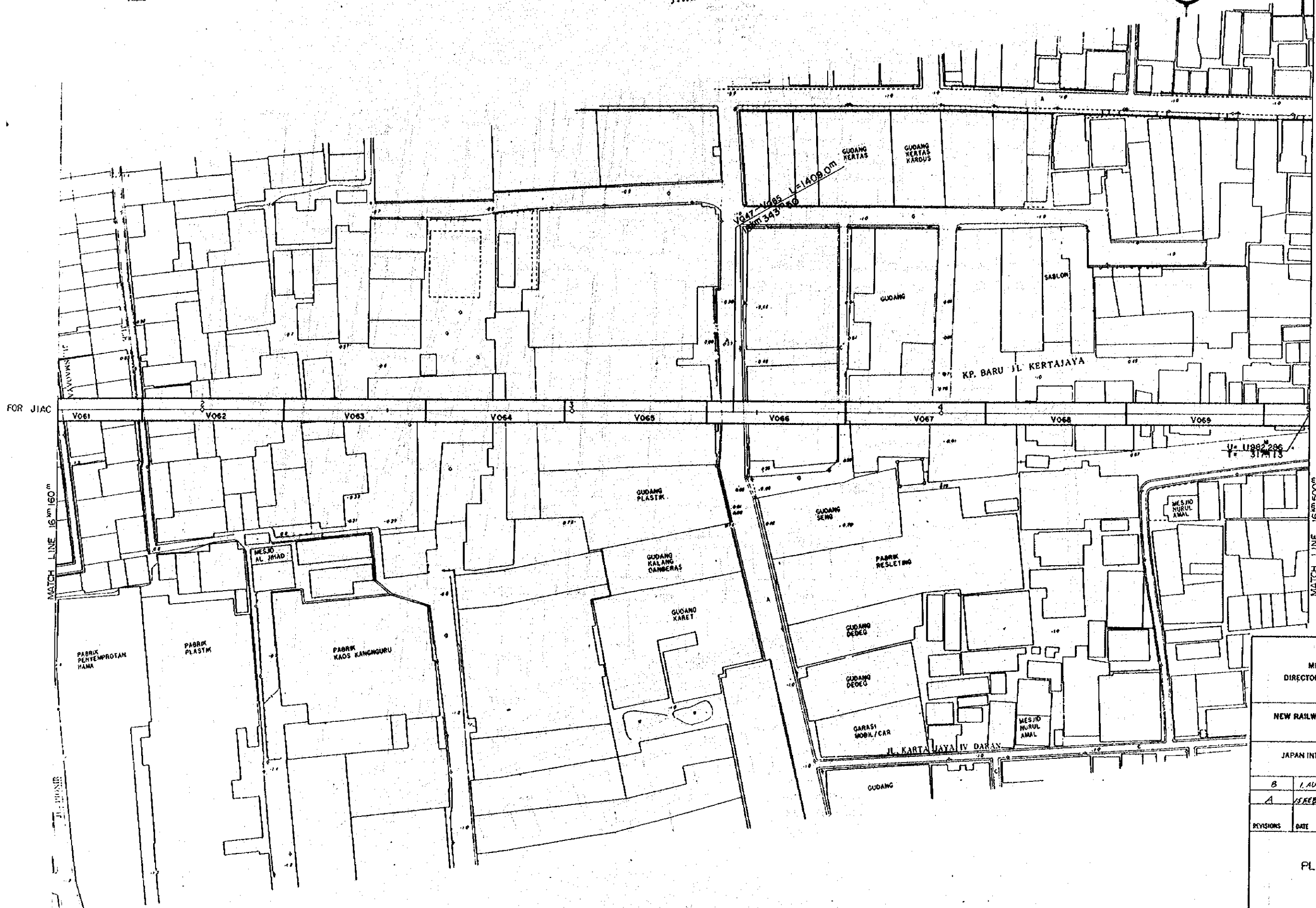


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG 87	IN	IT	LM	UM	JK
A	15 FEB 88	IN	IT	LM	UM	JK
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 31 OF 45)						
PACKAGE: 1 TRACK WORK						
SCALE	DRAWING NO.					
1:500	TG-034					



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
8	1. AUG. 88	T.N.	T.T.	I.H.	K.M.	M.K.
A	15 FEB. 88	T.N.	T.T.	I.H.	K.M.	M.K.
PLAN (SHEET 32 OF 45)						
PACKAGE: I TRACK WORK						
SCALE: 1:500		DRAWING NO: TG-035				

JAKARTA UTARA



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)

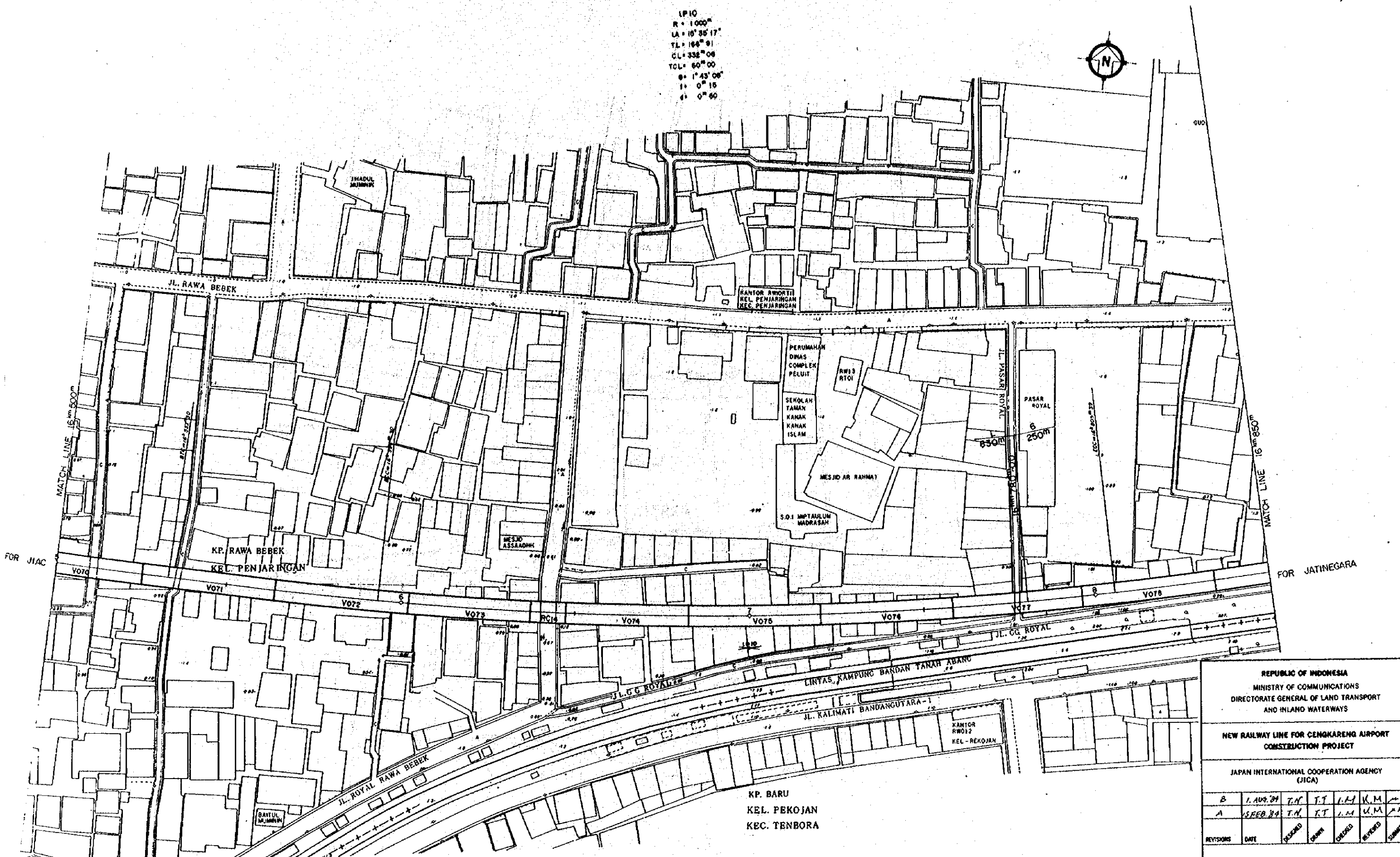
B	1 AUG. 89	T.M.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. 89	T.M.	T.T.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

PLAN (SHEET 33 OF 45)

PACKAGE: I TRACK WORK

SCALE: 1:500 DRAWING NO: TG-036

LPI 10
 R = 1000m
 LA = 16° 35' 17"
 TL = 104° 01'
 CL = 332° 08'
 TOL = 60° 00'
 0 = 1° 43' 00"
 1 = 0° 15'
 2 = 0° 50'



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

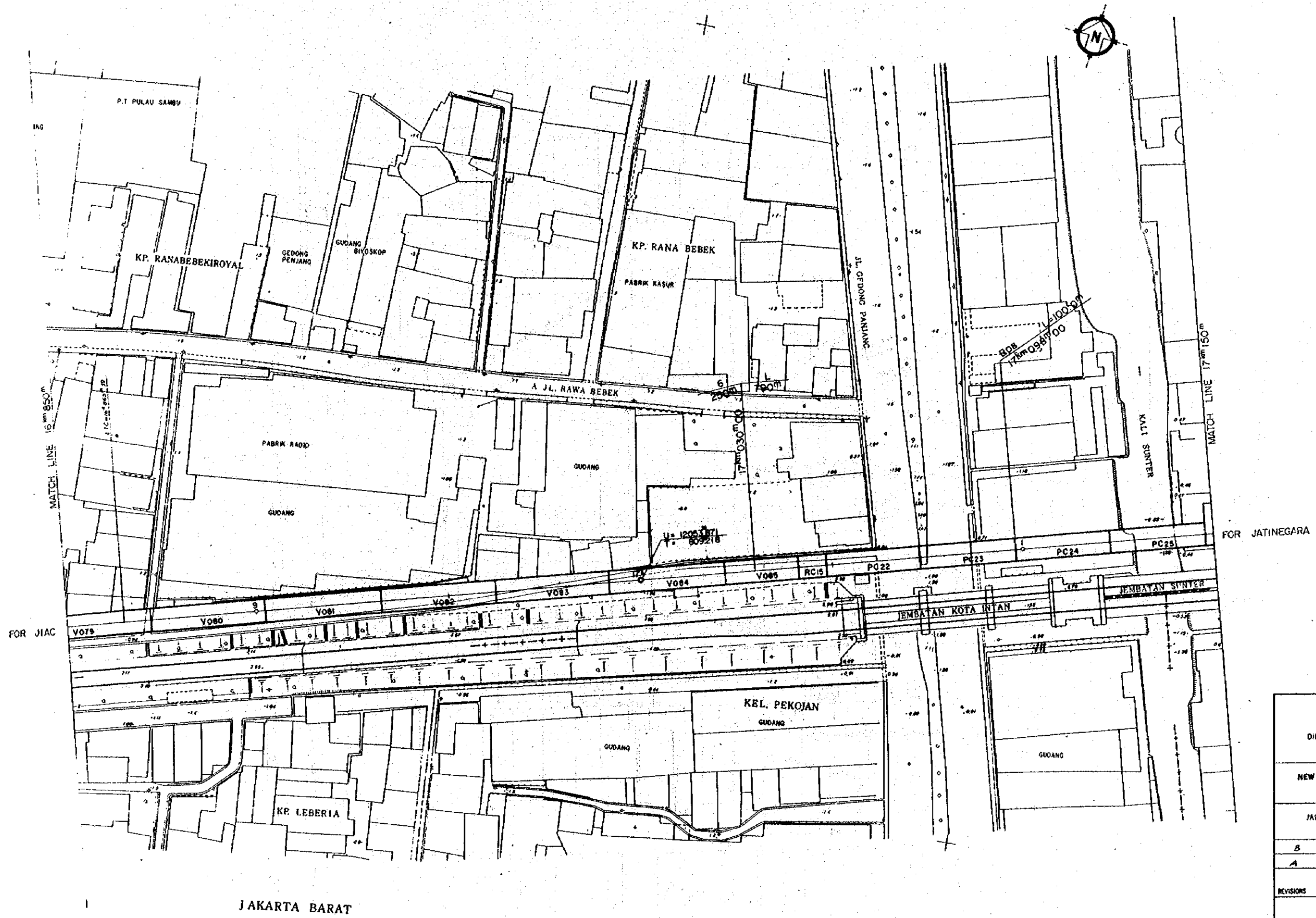
NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	SUBMITTED
B	1. AUG. 84	T.M.	T.T.	I.M.	K.M.
A	15 FEB. 84	T.M.	T.T.	I.M.	U.M.

PLAN (SHEET 34 OF 45)

PACKAGE: II TRACK WORK
 SCALE: 1:500 DRAWING NO: TG-037



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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

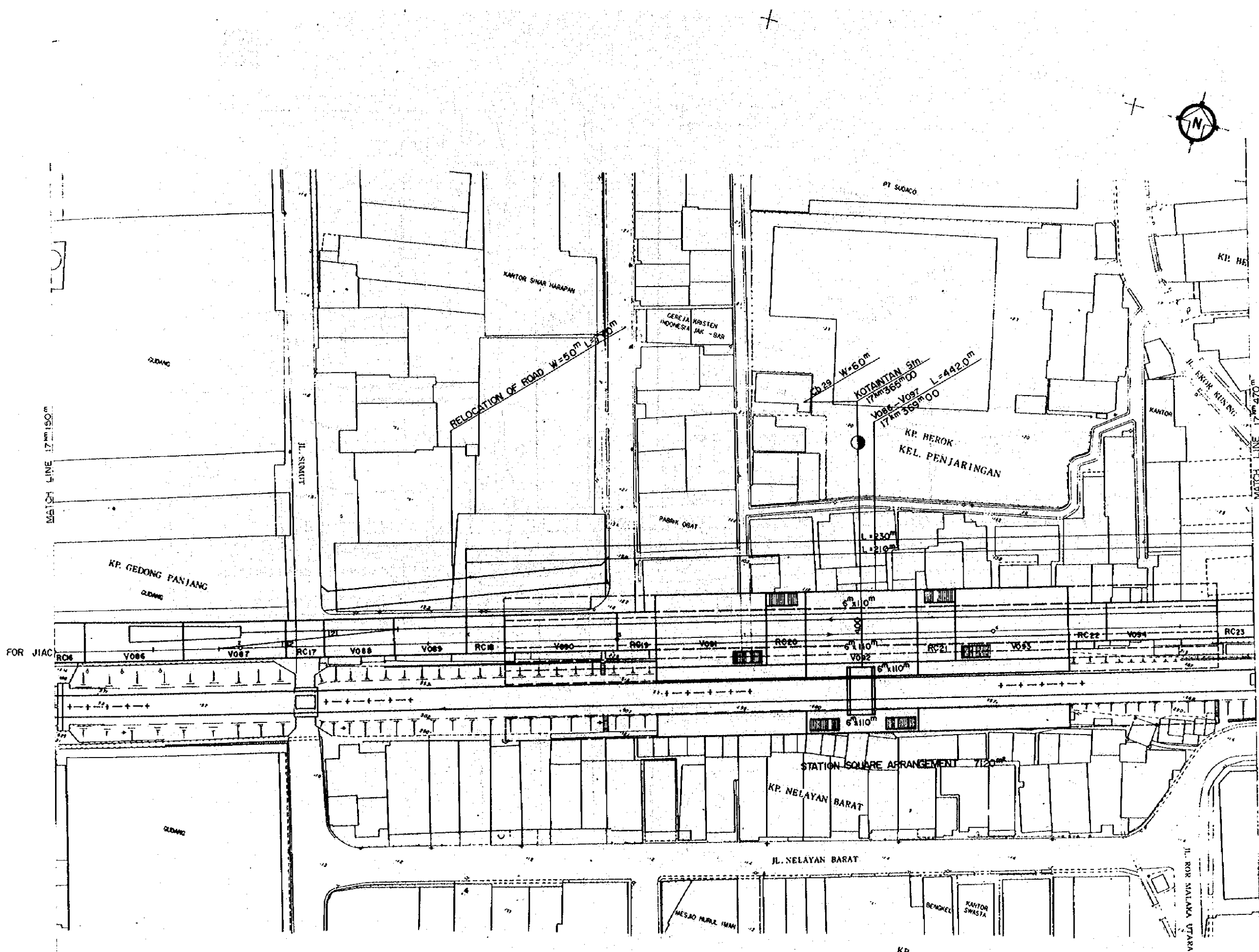
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

B	1 AUG '89	T.N.	T.T.	I.M.	K.M.	K.
A	15 FEB '88	T.N.	T.T.	I.M.	K.M.	H.R.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

PLAN (SHEET 35 OF 45)

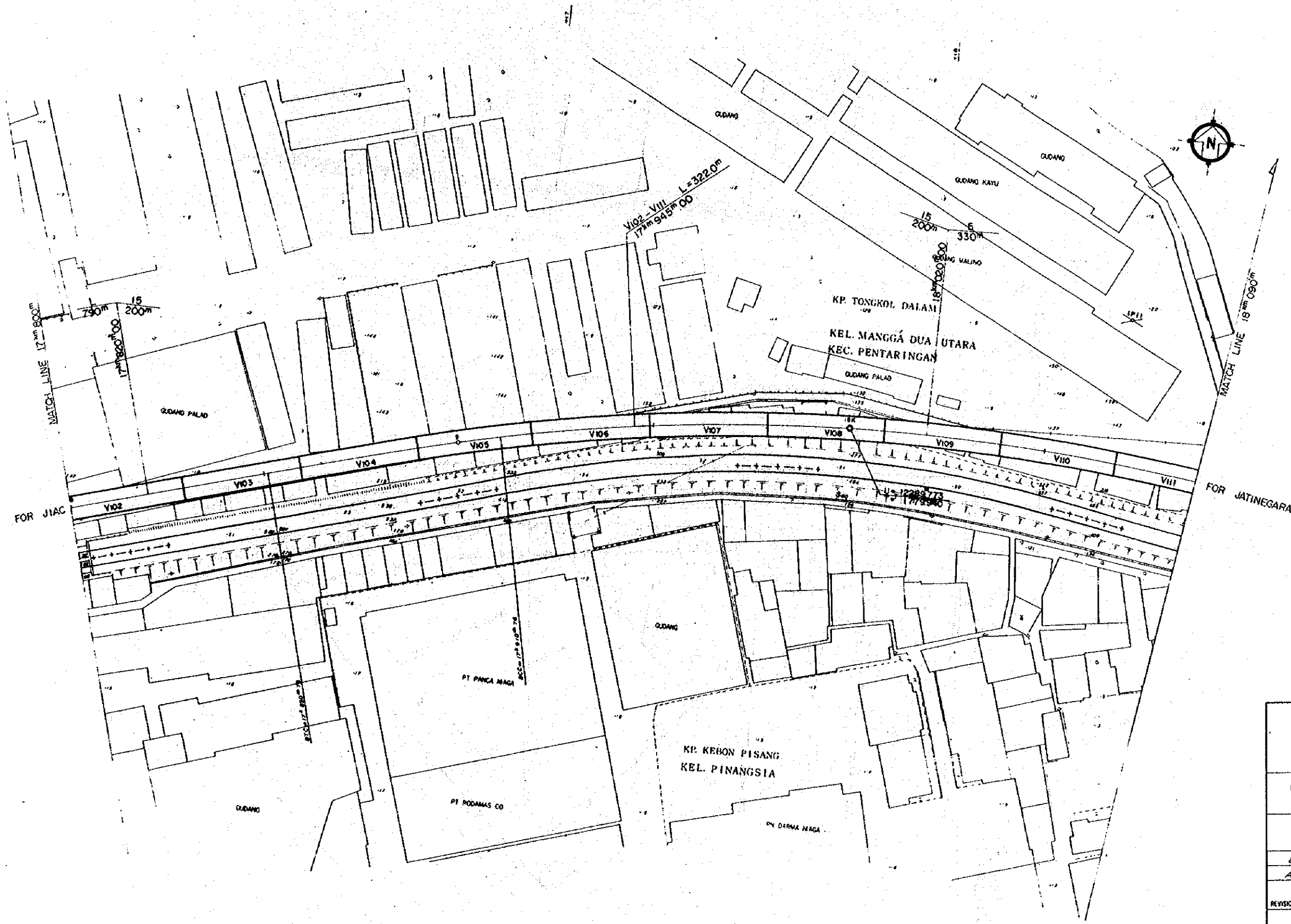
PACKAGE: I TRACK WORK

SCALE: 1:500 DRAWING NO: TG-038



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.	M.K.
A	15 FEB. 84	T.N.	T.T.	I.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
PLAN (SHEET 36 OF 45)					
PACKAGE: I TRACK WORK					
SCALE	DRAWING NO.				
1:500	TG-039				



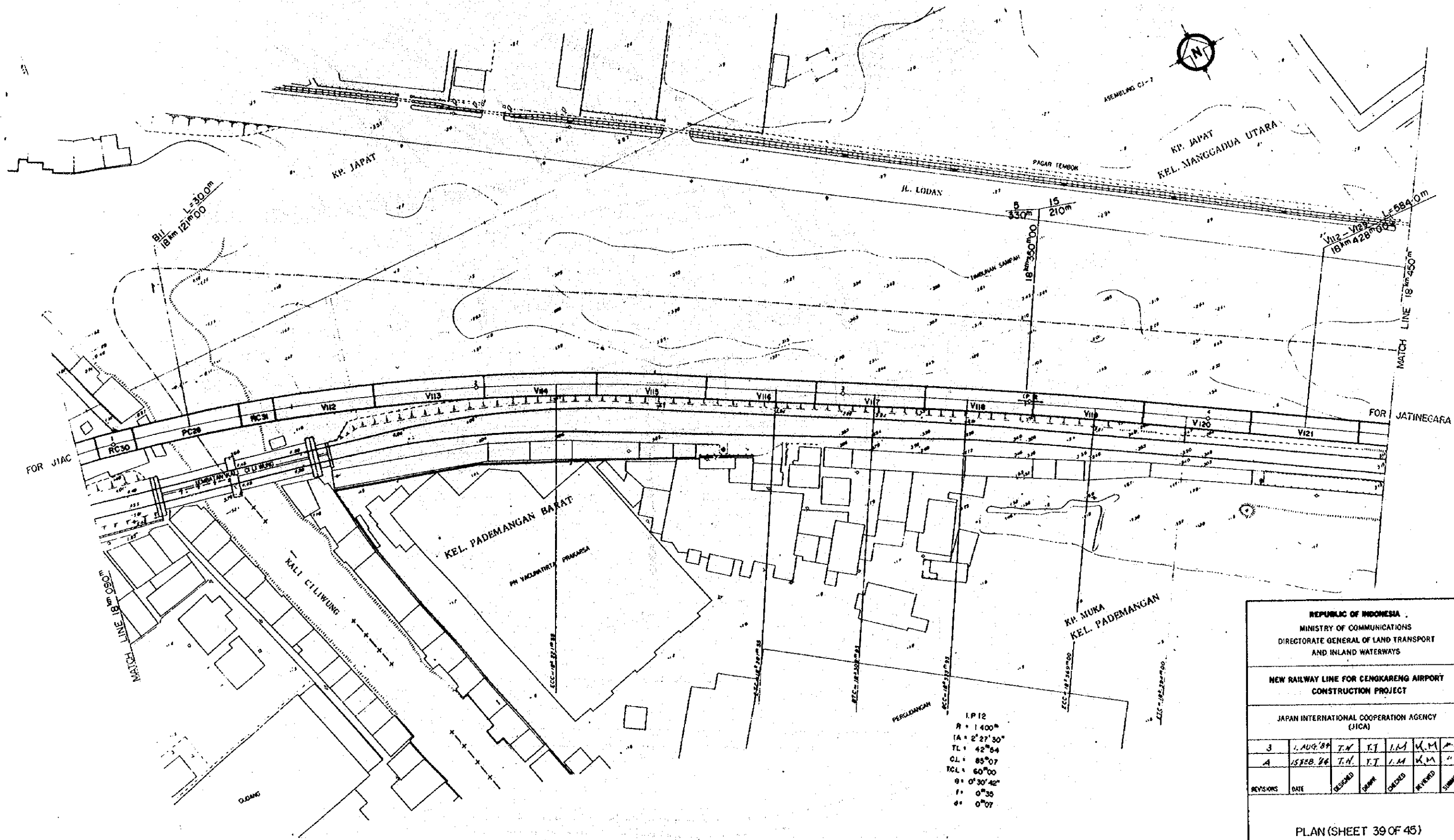
V102 - V110 L = 322.0m
177m 94.5m 00

KP. TONGKOL DALAM
KEL. MANGGA DUA UTARA
KEC. PENTARINGAN

KP. KEBON PISANG
KEL. PINANGSIA

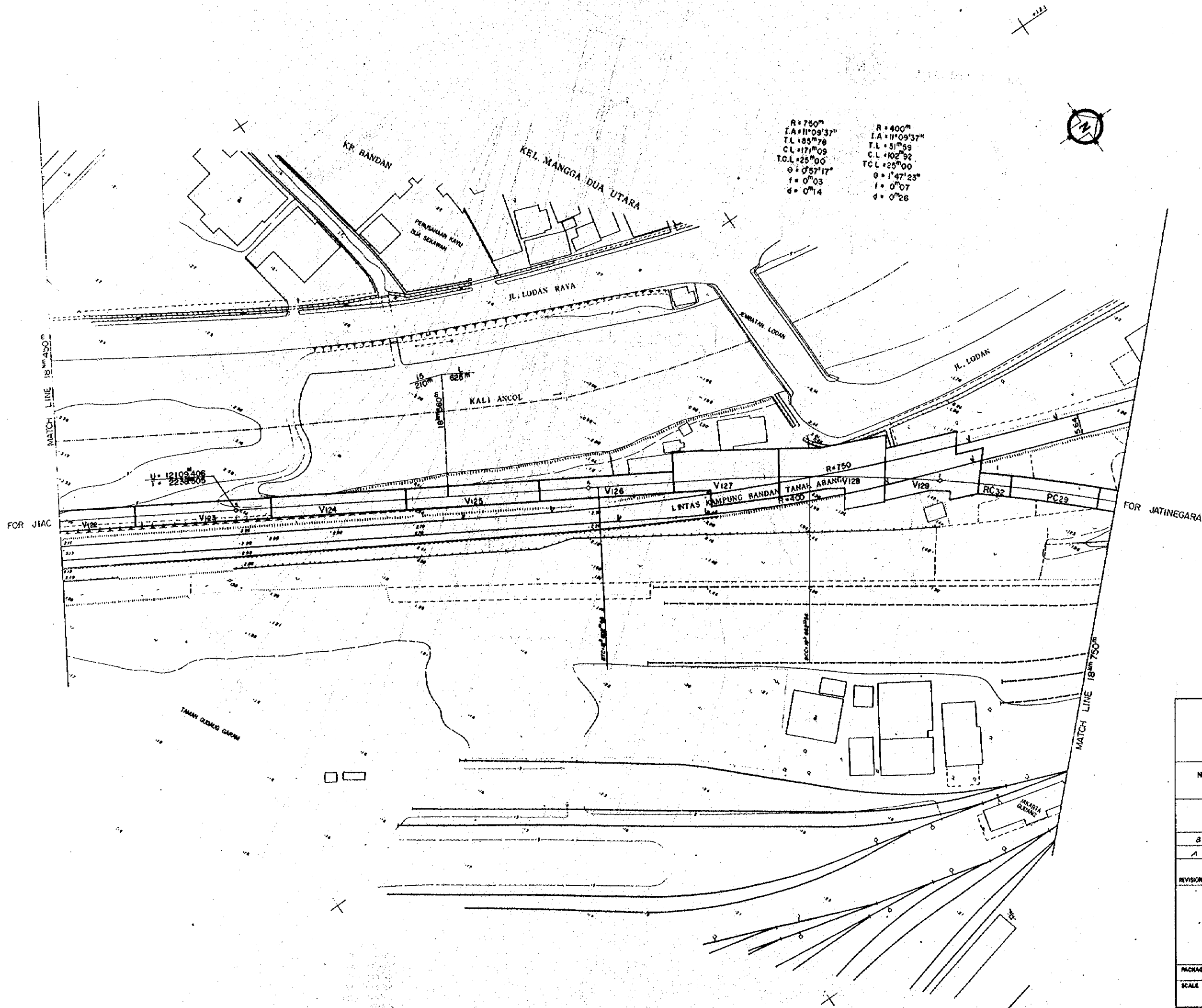
IP11
R = 500m
LA = 42° 28' 44"
ZL = 224m 49
CL = 430m 79
TCL = 60m 00
S = 3' 25" 67"
I = 0' 30"
G = 1' 20"

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. APR. 81	T.N	T.I	I.M	K.M	M.K
A	15 FEB. 81	T.N	T.I	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 38 OF 45)						
PACKAGE: I TRACK WORK						
SCALE	DRAWING NO.					
1:500	TG-041					



I.P 12
 R = 1400'
 IA = 2° 27' 30"
 TL = 42° 54'
 CL = 85° 07'
 TCL = 60° 00'
 1° 0' 30" 42"
 1° 0' 35"
 4° 0' 07"

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. 89	T.N	T.T	I.M	V.M
A	15 FEB. 86	T.N	T.T	I.M	V.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
PLAN (SHEET 39 OF 45)					
PACKAGE: I TRACK WORK					
SCALE	DRAWING NO.				
1:500	TG-042				



R = 750m
 I.A = 11°09'37"
 T.L = 85m78
 C.L = 171m09
 T.C.L = 25m00
 θ = 0°57'17"
 f = 0m03
 d = 0m14

R = 400m
 I.A = 11°09'37"
 T.L = 51m69
 C.L = 102m92
 T.C.L = 25m00
 θ = 1°47'23"
 f = 0m07
 d = 0m26

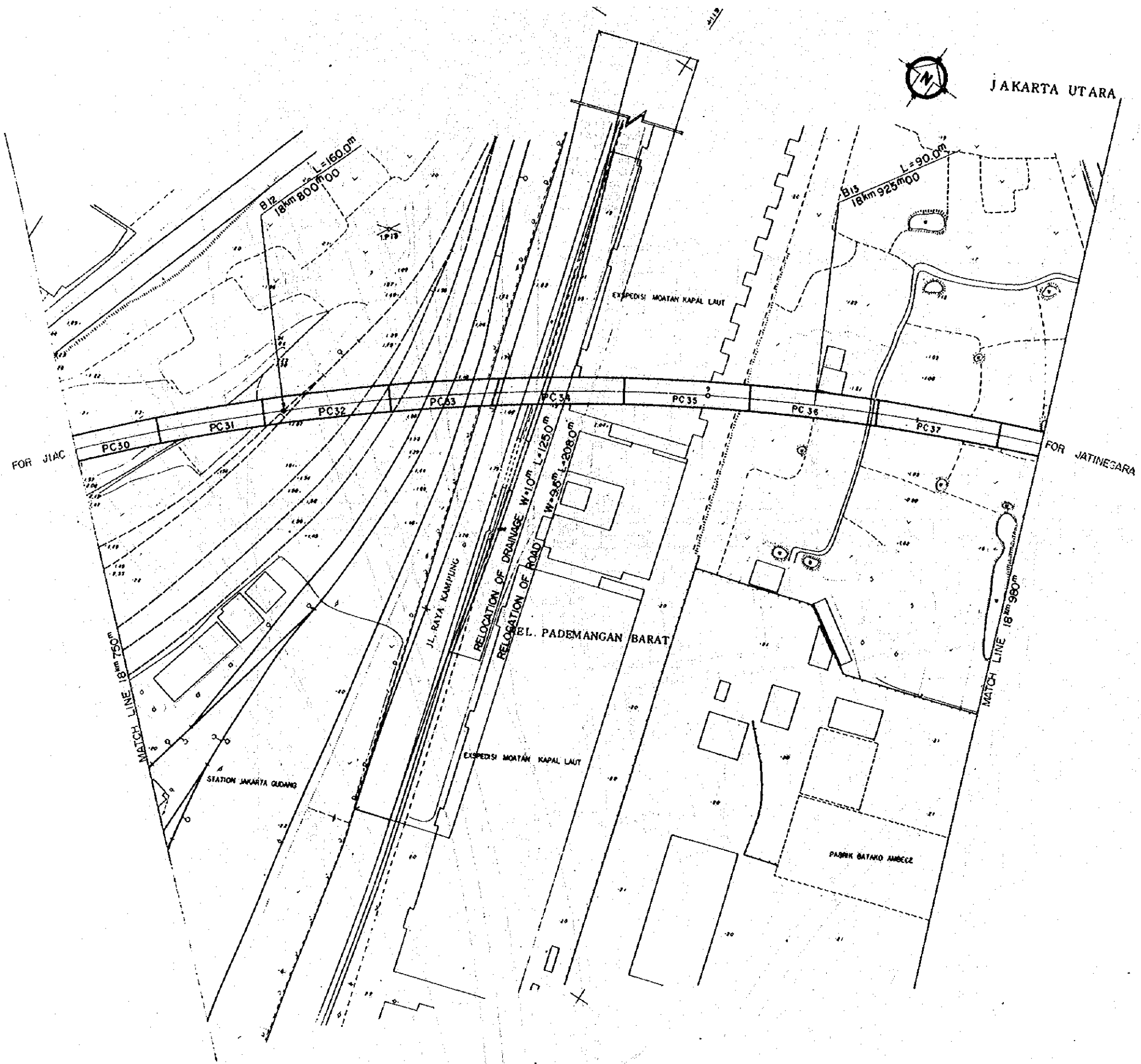
MATCH LINE 18m 450m

FOR JIAC

FOR JATINEGARA

MATCH LINE 18m 750m

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. 81	T.N	T.T	I.M	K.M	M.K
A	15 FEB. 81	T.N	T.T	I.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 40 OF 45)						
PACKAGE: I TRACK WORK						
SCALE	DRAWING NO: TG-043					
1:500						



IP 13
 R = 800"
 LA = 44°34'11"
 TL = 280°48"
 CL = 449°62"
 TCL = 60°00"
 0 = 3°30'37"
 1 = 0°30'
 4 = 1°20'

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: 3 TRACK WORK						
SCALE	1:500		DRAWING NO.	TG-044		



R=300m
 IA=7°00'22"
 TL=23°37'
 CL=46m68
 TCL=10m00
 0+0'57'17"
 1+0'01'
 4+0'06"

R=300m
 IA=7°00'22"
 TL=23°37'
 CL=46m68
 TCL=10m00
 0+0'57'17"
 1+0'01'
 4+0'06"

FOR JATINEGARA

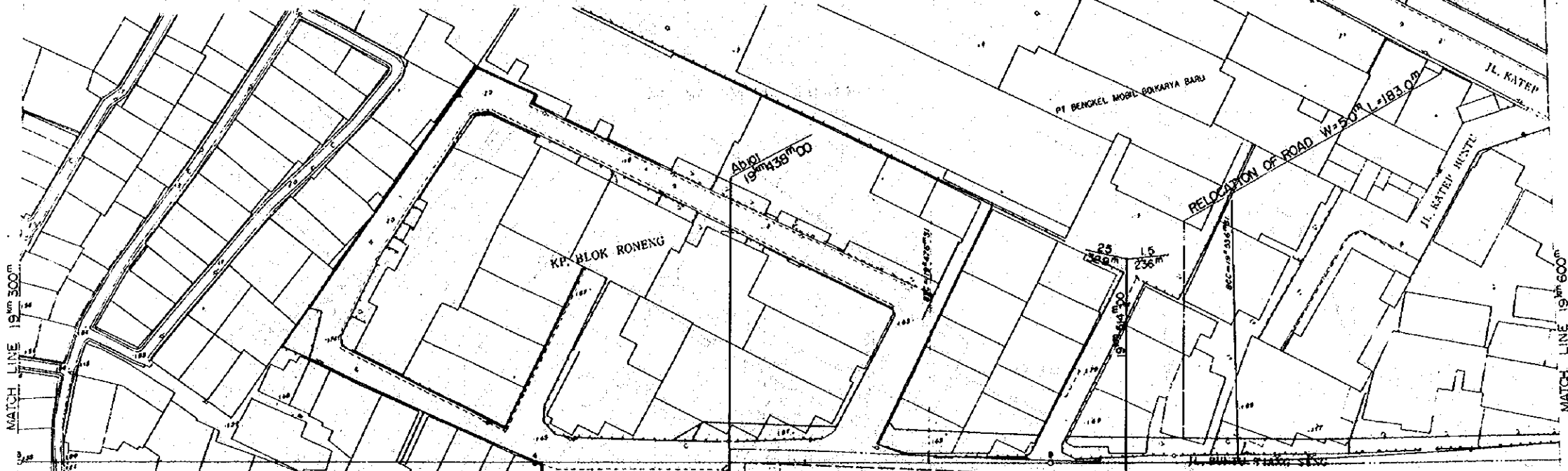
MATCH LINE 19m 300m

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.N.	T.T.	I.H.	K.M.
A	1 FEB. 89	T.N.	T.T.	I.H.	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
					APPROVED
PLAN (SHEET 42 OF 45)					
PACKAGE: I TRACK WORK					
SCALE: 1:500		DRAWING NO: TG-045			

KEL. MANGGA DUA SELATAN
KEC. SAWAH BESAR

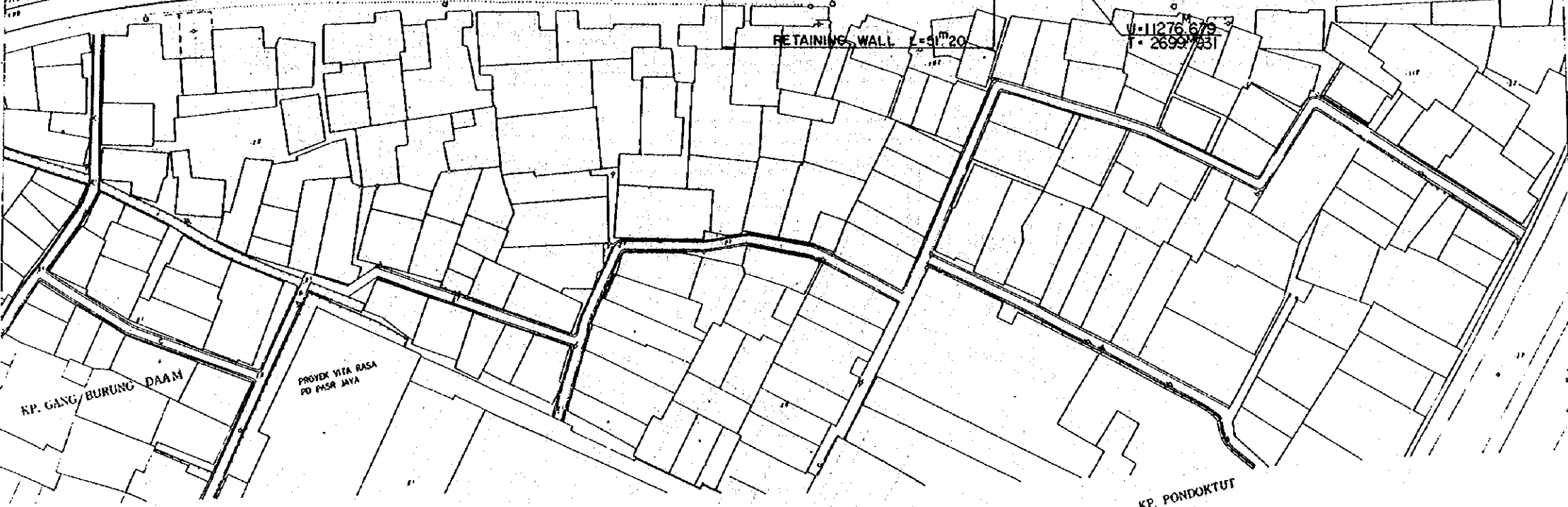
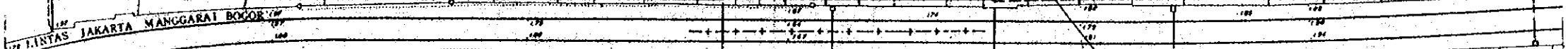
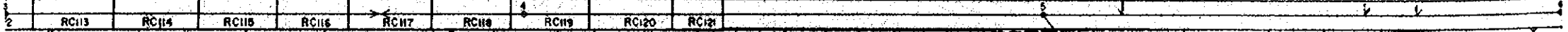
JAKARTA BARAT

KP. MANGGA DUA SELATAN



FOR JIAC

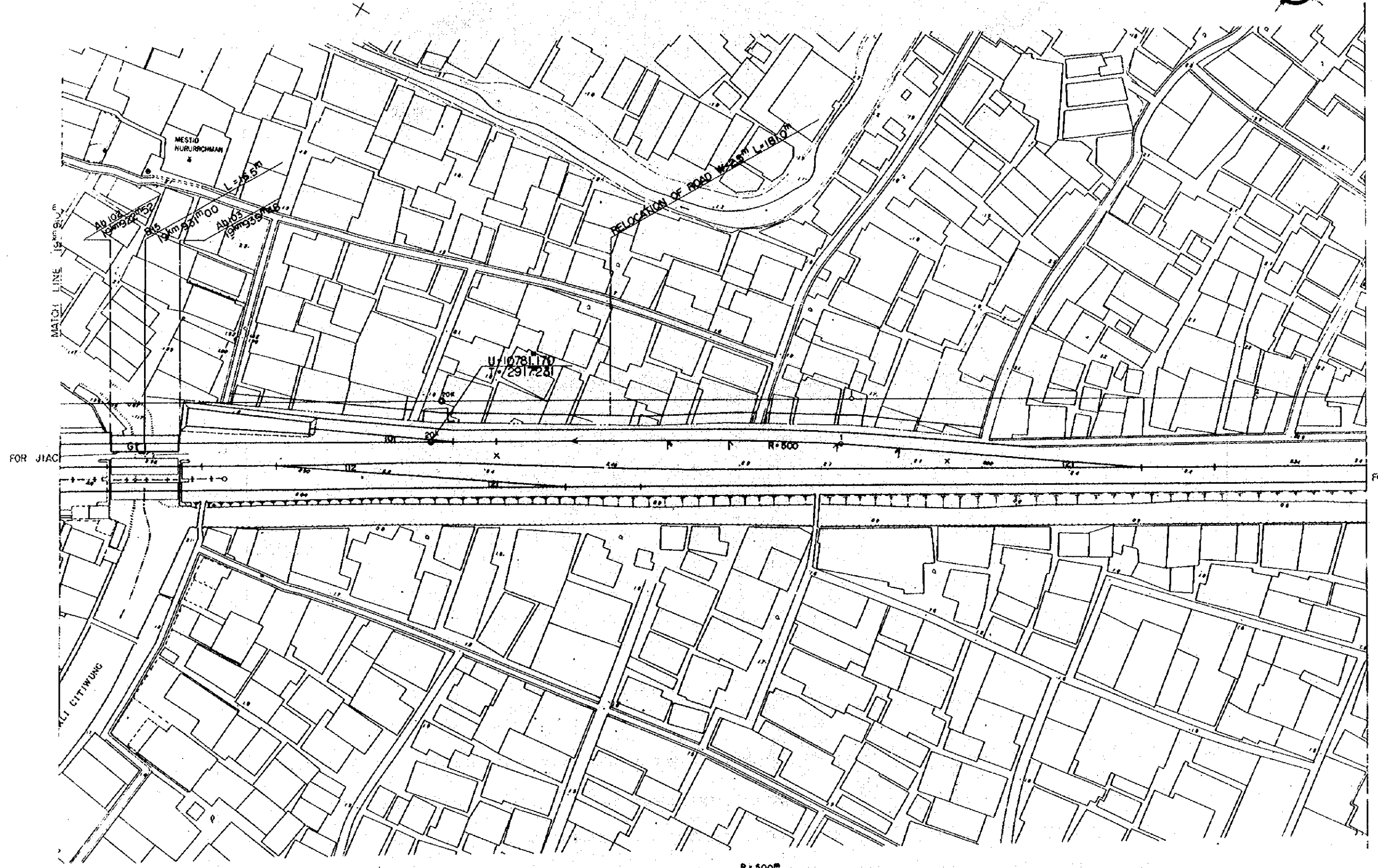
FOR JATINEGARA



KEL. PINANGSIA
KEC. TATHANSARI

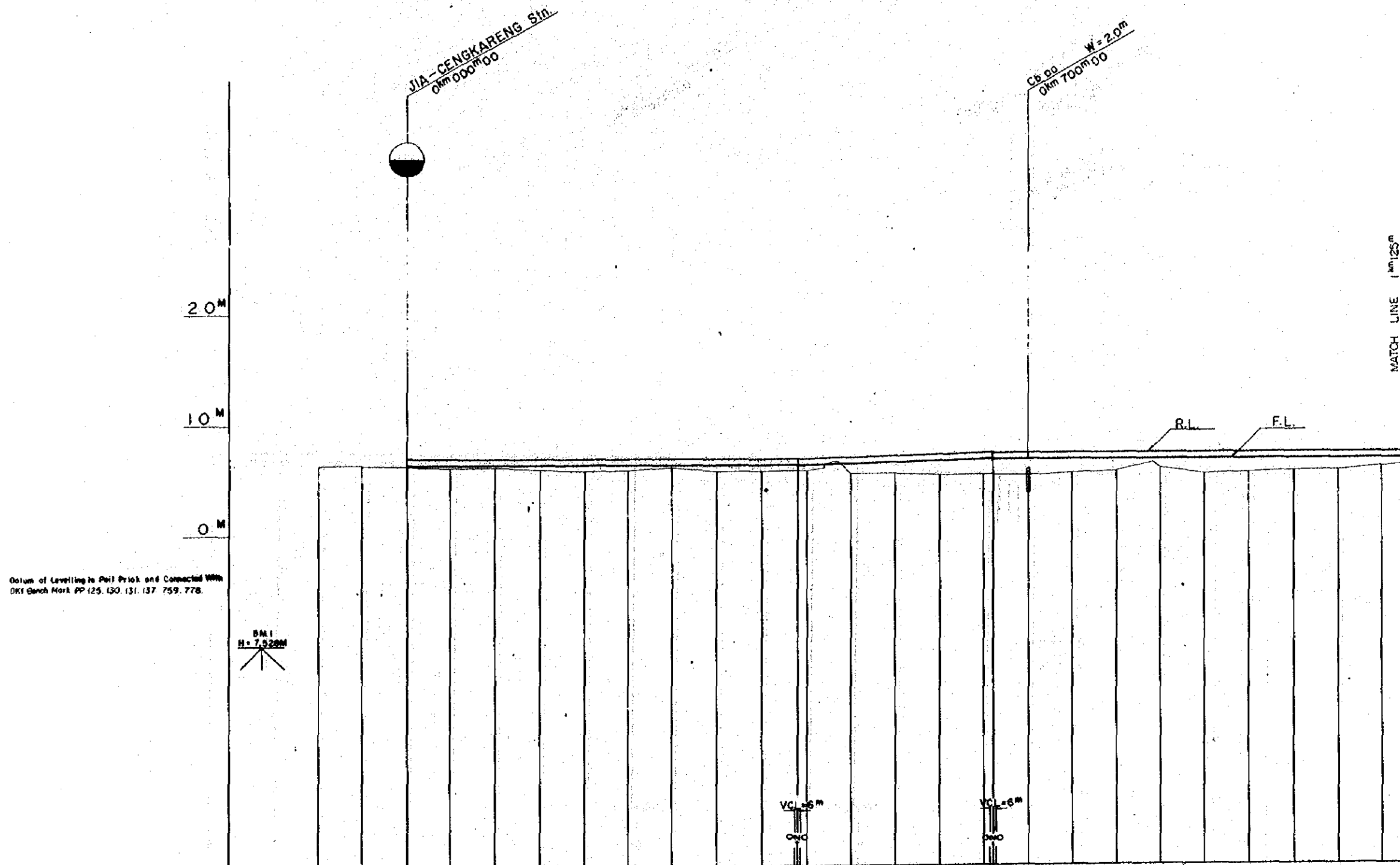
JAKARTA PR

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	I.T	I.M	K.M	P.K
A	15 FEB 84	T.A	I.T	I.M	K.M	P.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PLAN (SHEET 43 OF 45)						
PACKAGE: I TRACK WORK						
SCALE	DRAWING NO.					
1:500	TG-046					



R=500^m
 LA=4°45'49"
 TL=28^m 30
 CL=56^m 58
 TCL=15^m 00
 theta=0°51'34"
 l=0^m 02
 d=0^m 07

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 89	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB 89	T.N.	T.T.	I.M.	K.M.	M.K.
PLAN (SHEET 45 OF 45)						
PACKAGE: I TRACK WORK						
SCALE		DRAWING NO.				
1:500		TG-048				



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

B.M. 1
H = 7.928m

MATCH LINE 1/125m

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

GRADIENT	7.024 L 2 7.464 L																							
CUTTING																								
EMBANKMENT																								
RAIL LEVEL	7.024				7.024					7.024	7.026	7.044	7.144	7.244	7.344	7.444	7.462	7.464		7.464				
FORMATION LEVEL	6.40				6.40					6.40	6.42	6.44	6.52	6.62	6.72	6.82	6.84	6.84		6.84				6.84
CANT	0 ^m																							
KILOMETERAGE	0	1	2	3	4	440	5	6	660	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
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)

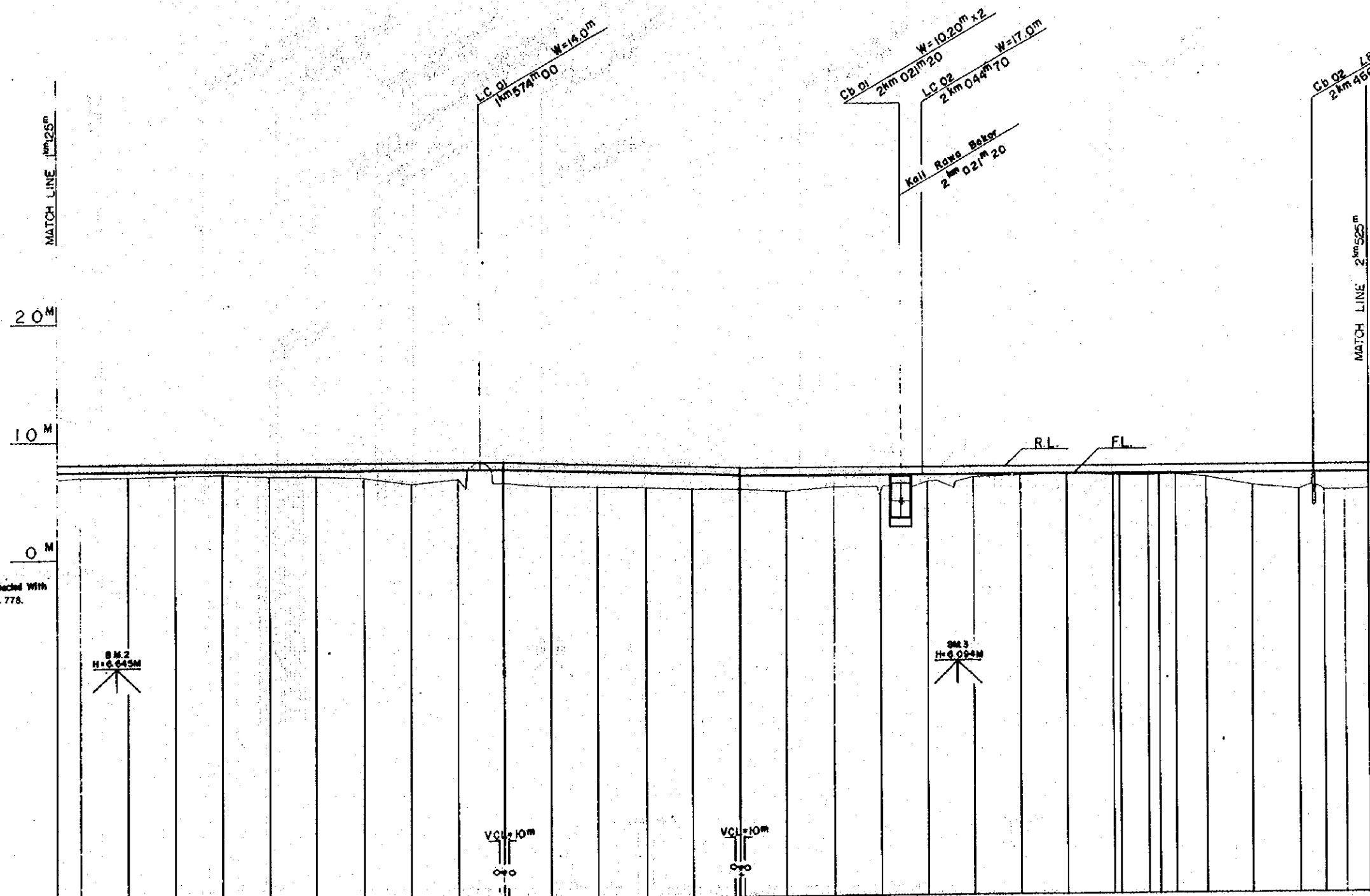
REVISIONS	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 89	T.N.	T.T.	I.H.	U.M.
A	15 FEB 89	T.N.	T.T.	I.M.	U.M.

PROFILE (SHEET 1 OF 16)

PACKAGE: TRACK WORK

SCALE: V=1:200 H=1:2500

DRAWING NO: TG-049



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

Datum of Levelling is Pelt Prick and Connected With
DKI Bench Mark PP 125, 130, 131, 137, 759, 776.

GRADIENT	L (7.464) 3 (6.714) L														
CUTTING															
EMBANKMENT															
RAIL LEVEL	7.464		7.464		7.460	7.314	7.164	7.014	6.864	6.718	6.714	6.714		6.714	
FORMATION LEVEL	6.84		6.84		6.84	6.69	6.54	6.39	6.24	6.09	6.714		6.09	6.09	
CANT	0 mm										60 mm				
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 CENOKARENG 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

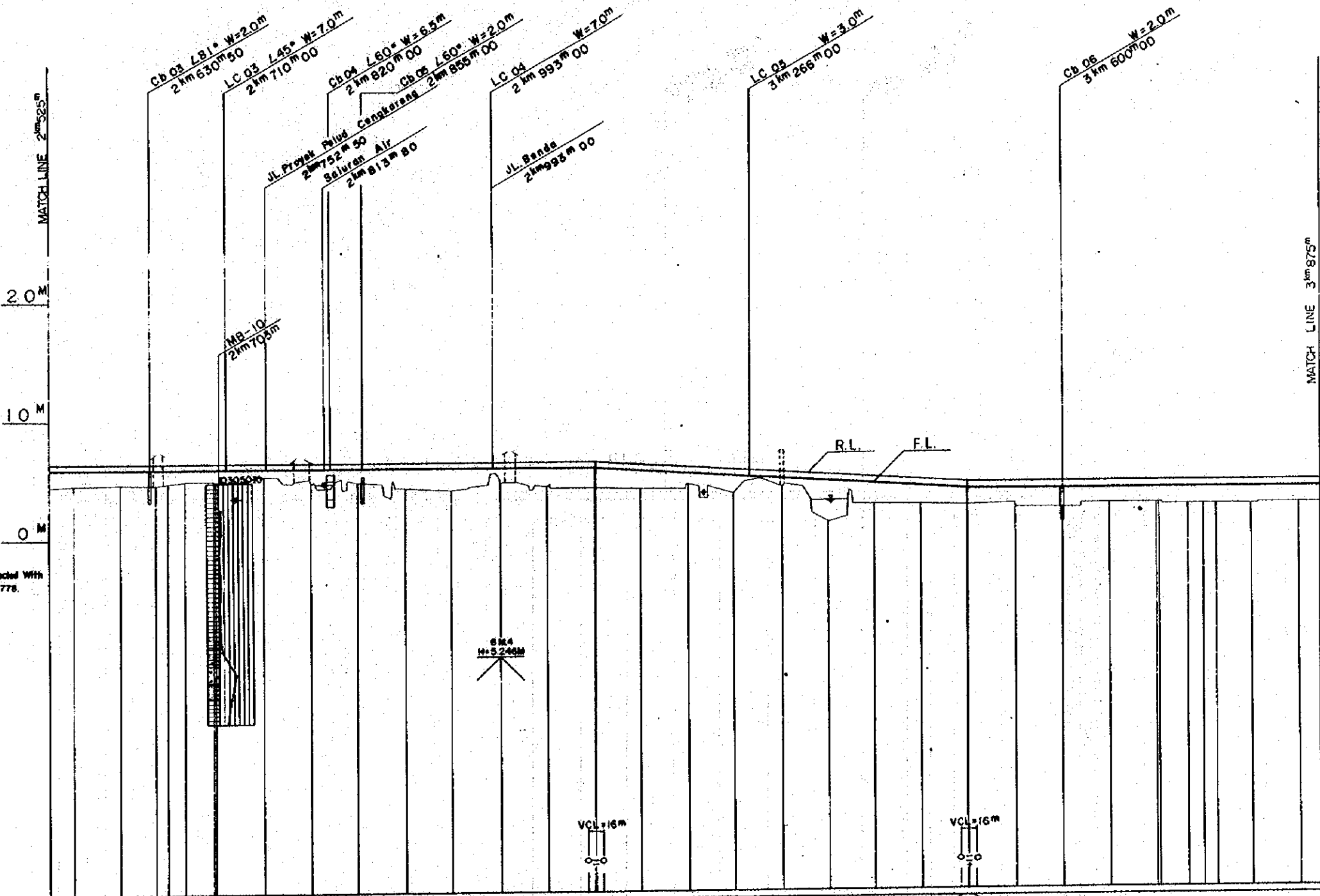
REVISIONS DATE REASON DRAWN CHECKED REVIEWED SUBMITTED

PROFILE (SHEET 2 OF 16)

PACKAGE: II TRACK WORK

SCALE V=1:200 H=1:2500 DRAWING NO. TG-050

BTC-200267-89 BCC-200317-89 RI-1000



Datum of Levelling is Pili Prick 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															6.714	5	4.714	L
CUTTING																			
EMBANKMENT																			
RAIL LEVEL	6.714	6.714	6.714	6.714	6.703	6.664	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	6.09	6.08	5.84	5.59	5.34	5.09	4.84	4.59	4.34	4.10	4.09	4.09	4.09			
CANT	60 ^{mm}						0 ^{mm}									60 ^{mm}			
KILOMETERAGE	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20				
CURVE	ECC: 2+837 ^m 30		ETC: 2+897 ^m 30						BTC: 5+703 ^m 18		BCC: 3+763 ^m 18								

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

NEW RAILWAY LINE FOR CEMKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

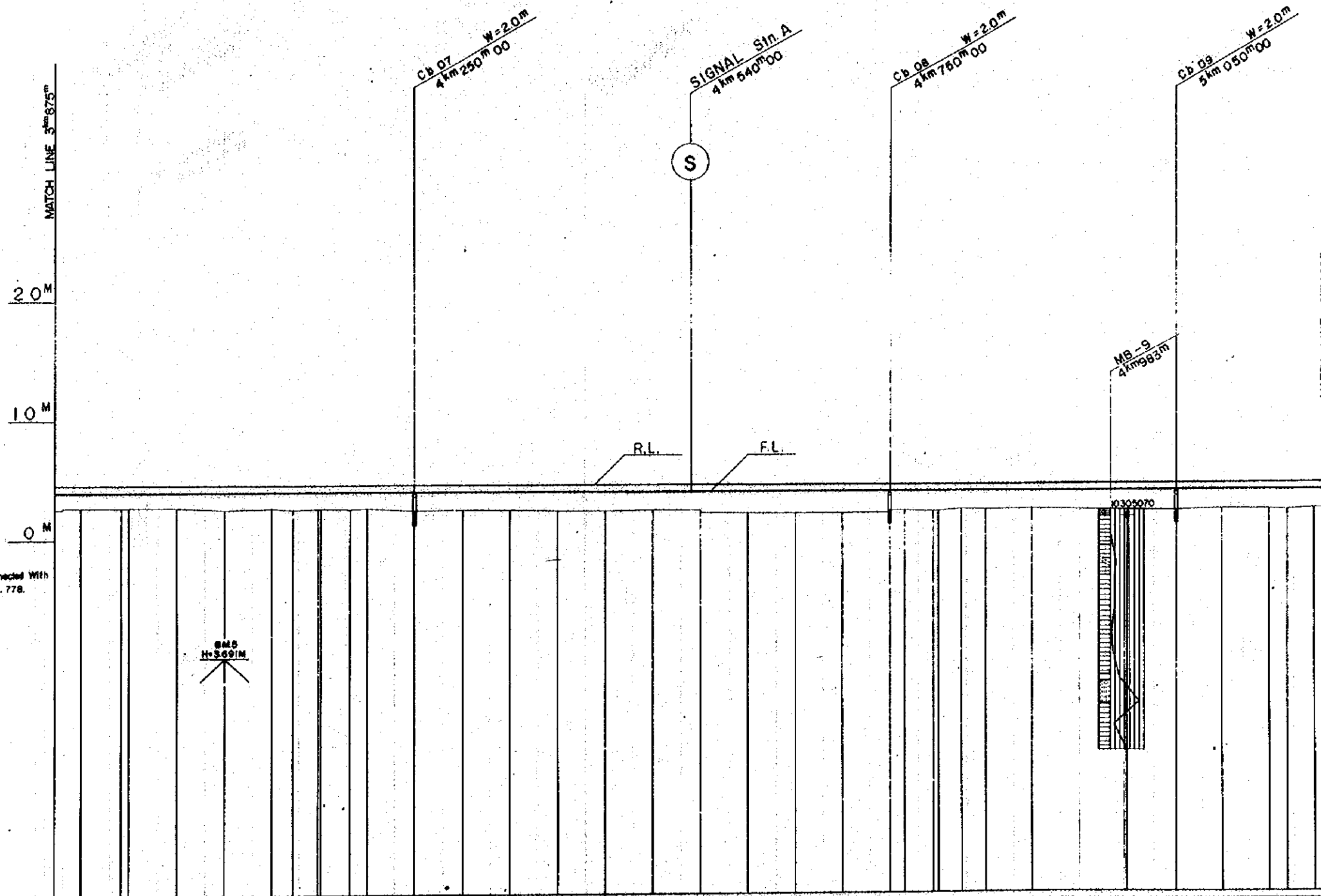
B	1. AUG '89	T.N.	T.T.	I.M.	K.M.	M.K.
A	15 FEB '88	T.N.	T.T.	I.M.	K.M.	M.K.

REVISIONS: DATE, DESIGNED, DRAWN, CHECKED, REVISION, SUBMITTED

PROFILE (SHEET 30 OF 16)

PACKAGE: I TRACK WORK
SCALE: V=1:200, H=1:2500
DRAWING NO: TG-051

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

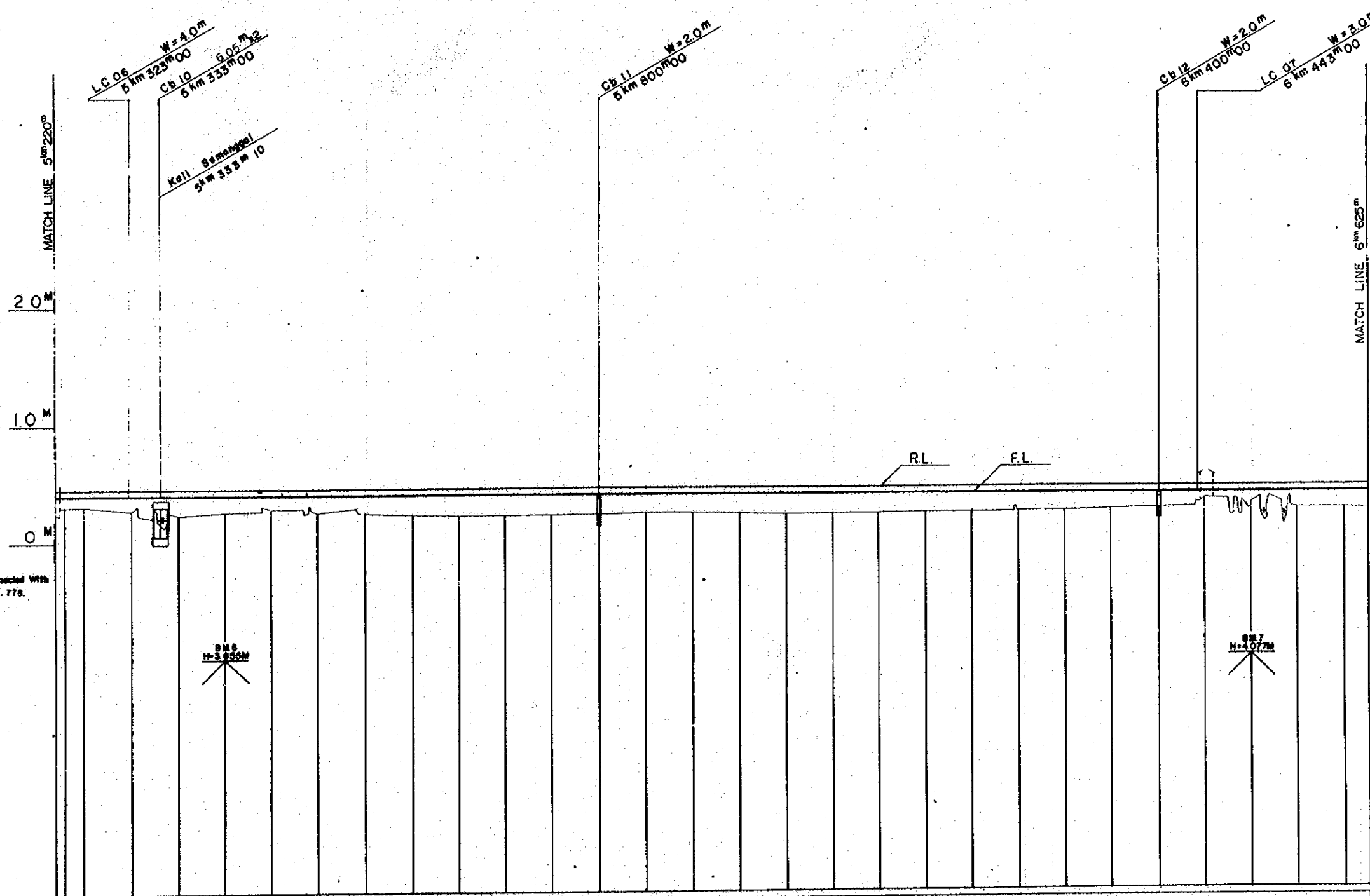


NOTE:

ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L														
CUTTING															
EMBANKMENT															
RAIL LEVEL			4714			4714			4714			4714			4714
FORMATION LEVEL			409			409			409			409			409
CANT	60 ^{mm}			0 ^{mm}						60 ^{mm}					
KILOMETERAGE	0	1	2	3	4	5	6	7	8	9	5	1	2		
CURVE	$R2=1000$ $ECC=4^m122^m04$ $ETC=4^m122^m04$ $ETC=4^m122^m04$ $ETC=4^m122^m04$ $ETC=4^m122^m04$ $R3=1000$ $ECC=8^m169^m80$														

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.N.	T.T.	J.M.	K.M.	A.K.
A	15. FEB. 84	T.N.	T.T.	J.M.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PROFILE (SHEET 4 OF 16)						
PACKAGE: TRACK WORK						
SCALE	V=1:200		DRAWING NO.			
	H=1:2500		TG-052			



Detail of Levelling to Pill Pritch and Connected With
Old Bench Mark PP 125, 130, 131, 137, 759, 778.

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

GRADIENT	L													
CUTTING														
EMBANKMENT														
RAIL LEVEL				4.714				4.714			4.714			
FORMATION LEVEL				4.09				4.09			4.09			
CANT	0 mm													
KILOMETERAGE	3	4	5	6	7	8	9	0	1	2	3	4	5	6
CURVE	ETC-0+225+00													

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

NEW RAILWAY LINE FOR CENOKARENG AIRPORT
CONSTRUCTION PROJECT

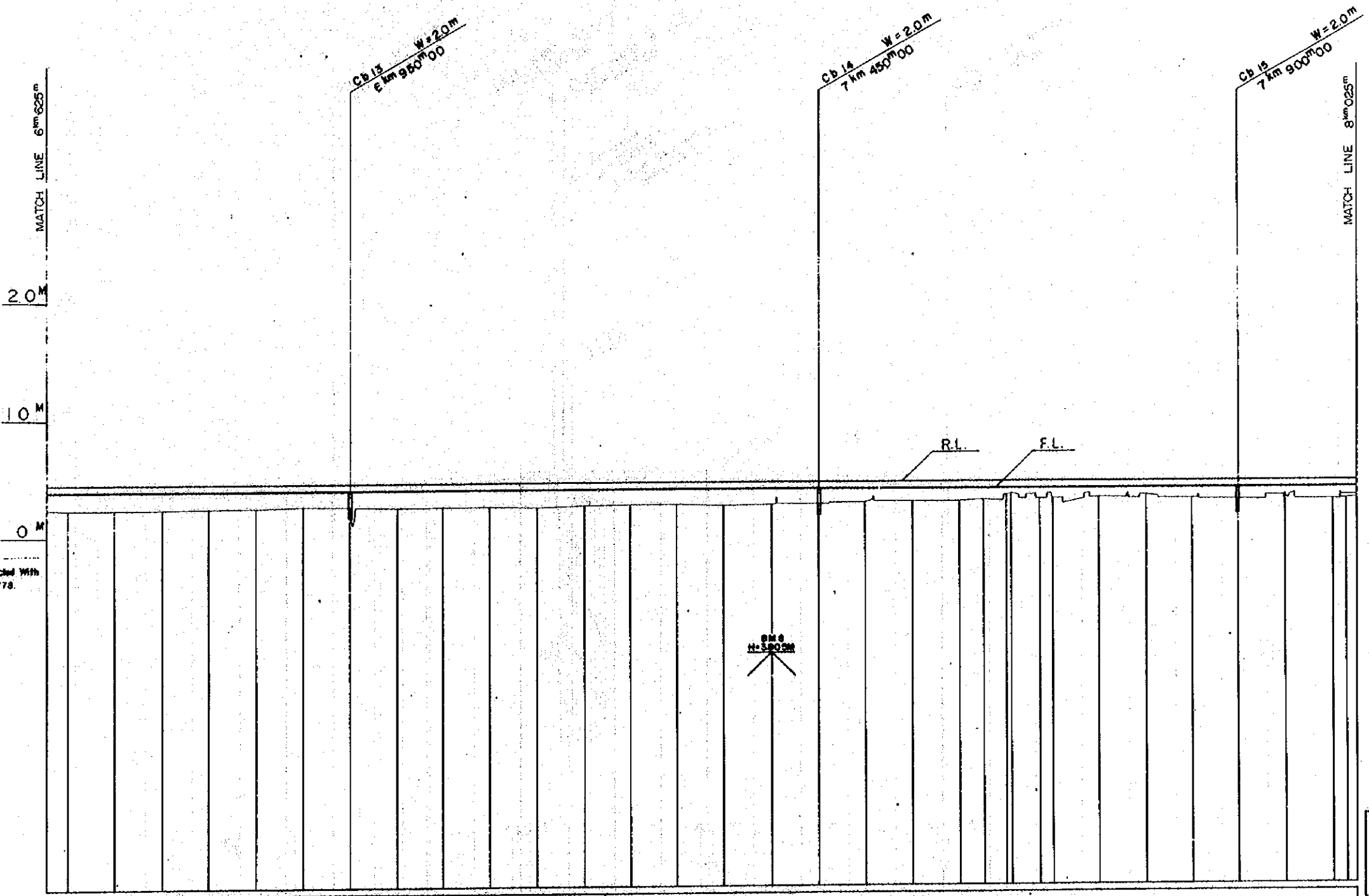
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 AUG 87	T.N.	T.T.	I.H.	K.M.	M.K.
A	15 FEB 87	T.N.	T.T.	I.H.	K.M.	M.K.

REVISIONS: DATE, SKETCHED, DRAWN, CHECKED, REVIEWED, SUBMITTED

PROFILE (SHEET 50F16)

PACKAGE: I TRACK WORK
SCALE: V=1:200, H=1:2500
DRAWING NO: TG-053



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

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

B.M.
N=3.805M

GRADIENT	L													
CUTTING														
EMBANKMENT														
RAIL LEVEL	4.714	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	4.09	4.09				
CANT	0 ⁰⁰ 60 ⁰⁰													
KILOMETERAGE	7	8	9	7 km	1	2	3	4	5	6	7	8	9	8 km
CURVE														

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

NEW RAILWAY LINE FOR GEMKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

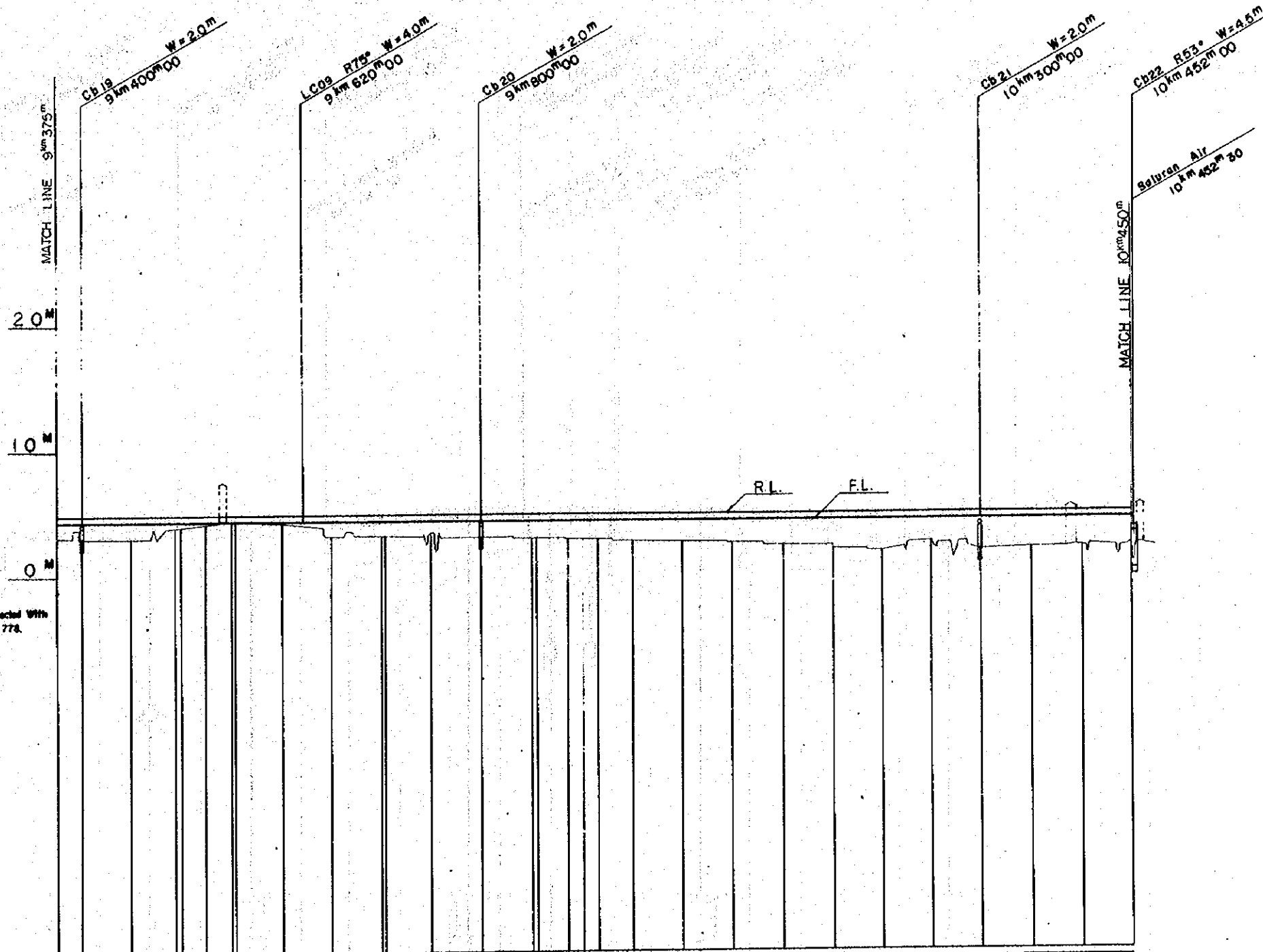
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '84	T.N.	T.T.	L.H.	K.M.	A.K.
A	15 FEB '84	T.N.	T.T.	L.H.	K.M.	A.K.

PROFILE (SHEET 6 OF 16)

PACKAGE: 2 TRACK WORK
SCALE: V=1:200 H=1:2500
DRAWING NO: TG-054

BTC: 7⁰⁰ 620⁰⁰ 23
BCC: 7⁰⁰ 660⁰⁰ 23
84.1.000

Datum of Levelling is Pili Prick and Connected With
DKI Bench Mark PP 125, 130, 134, 137, 759, 778.

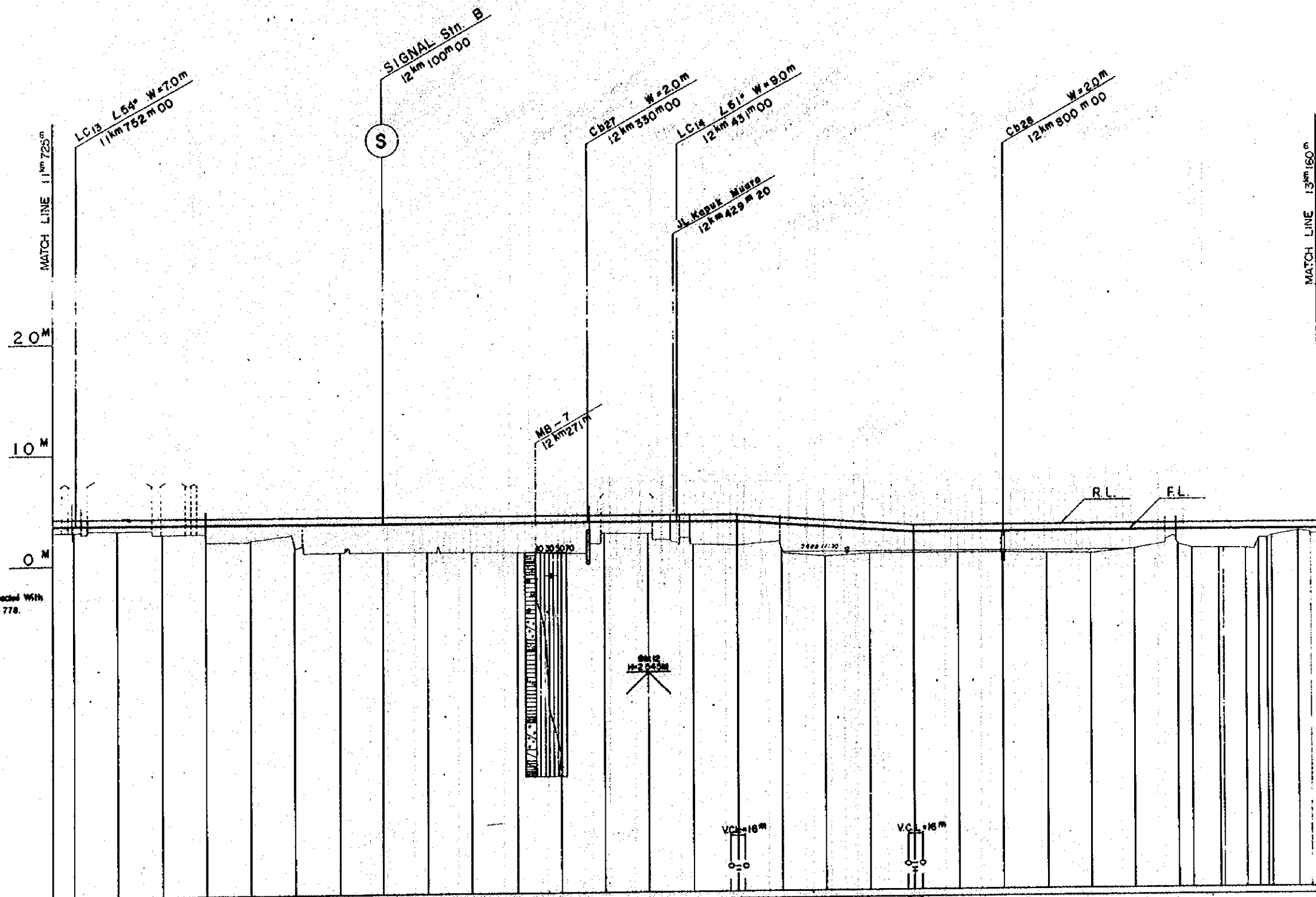


NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

GRADIENT	L																
CUTTING																	
EMBANKMENT																	
RAIL LEVEL	5214	.	.	.	5214	.	.	.	5214	.	.	.	5214	.	.	.	5214
FORMATION LEVEL	459	.	.	.	459	.	.	.	459	.	.	.	459	.	.	.	459
CANT	60 ^{mm}										0 ^{mm}						
KILOMETERAGE	4	5	6	7	8	9	10	1	2	3	4						
CURVE	BTC: 0° 44' 52" ECC: 0° 20' 52" SA: 1000 ECC: 0° 18' 27" BTC: 0° 14' 27"																

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	I.N.	I.I.	I.H.	K.M.	K.K.
A	15 FEB 84	I.N.	I.I.	I.H.	K.M.	K.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PROFILE (SHEET 80F16)						
PACKAGE: I TRACK WORK						
SCALE	V: 1:200 H: 1:2500	DRAWING NO: TG-056				

Datum of Levelling is Peil Perek 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																																			
RAIL LEVEL	<table border="1"> <tr> <td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td> </tr> <tr> <td>4.474</td><td>4.463</td><td>4.224</td><td>3.974</td><td>3.724</td><td>3.485</td><td>3.474</td><td></td><td></td><td></td><td></td><td></td> </tr> </table>											4	5	6	7	8	9	10	11	12	13	14	15	4.474	4.463	4.224	3.974	3.724	3.485	3.474					
4	5	6	7	8	9	10	11	12	13	14	15																								
4.474	4.463	4.224	3.974	3.724	3.485	3.474																													
FORMATION LEVEL	<table border="1"> <tr> <td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td> </tr> <tr> <td>3.84</td><td>3.60</td><td>3.35</td><td>3.10</td><td>2.86</td><td>2.85</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>											4	5	6	7	8	9	10	11	12	13	14	15	3.84	3.60	3.35	3.10	2.86	2.85						
4	5	6	7	8	9	10	11	12	13	14	15																								
3.84	3.60	3.35	3.10	2.86	2.85																														
CANT	0 ^m 60^m																																		
KILOMETERAGE	<table border="1"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td> </tr> </table>											0	1	2	3	4	5	6	7	8	9	10	11												
0	1	2	3	4	5	6	7	8	9	10	11																								
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)

B	1 AUG 94	T.C.	T.T.	L.M.	K.M.	A.R.
A	15 FEB 94	T.N.	T.T.	L.M.	K.M.	A.R.

REVISIONS

NO.	DATE	REASON	DESIGNED	CHECKED	REVIEWED	SUBMITTED
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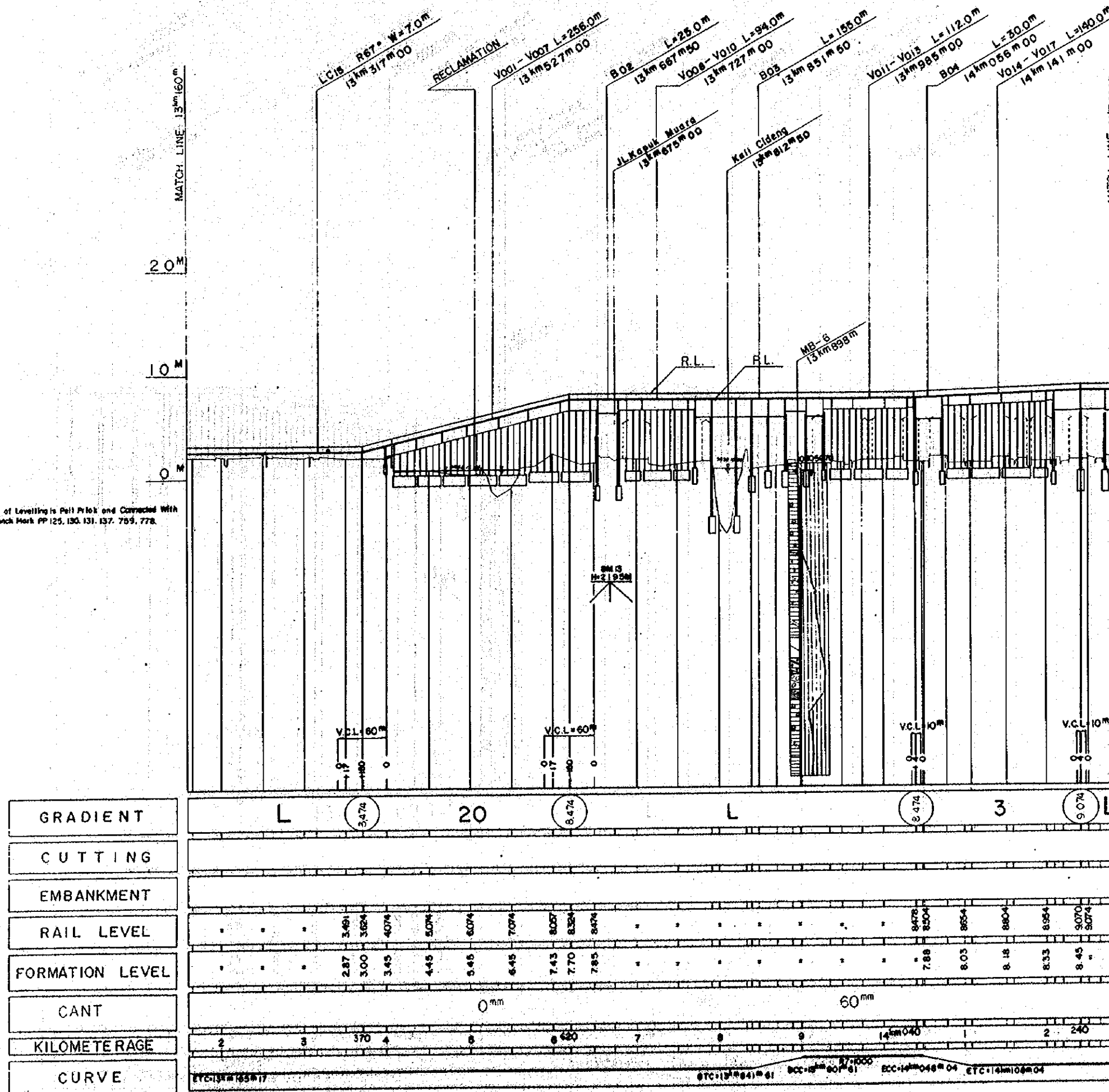
PROFILE (SHEET 10 OF 16)

PACKAGE: I TRACK WORK

SCALE: V: 1:200 H: 1:2500

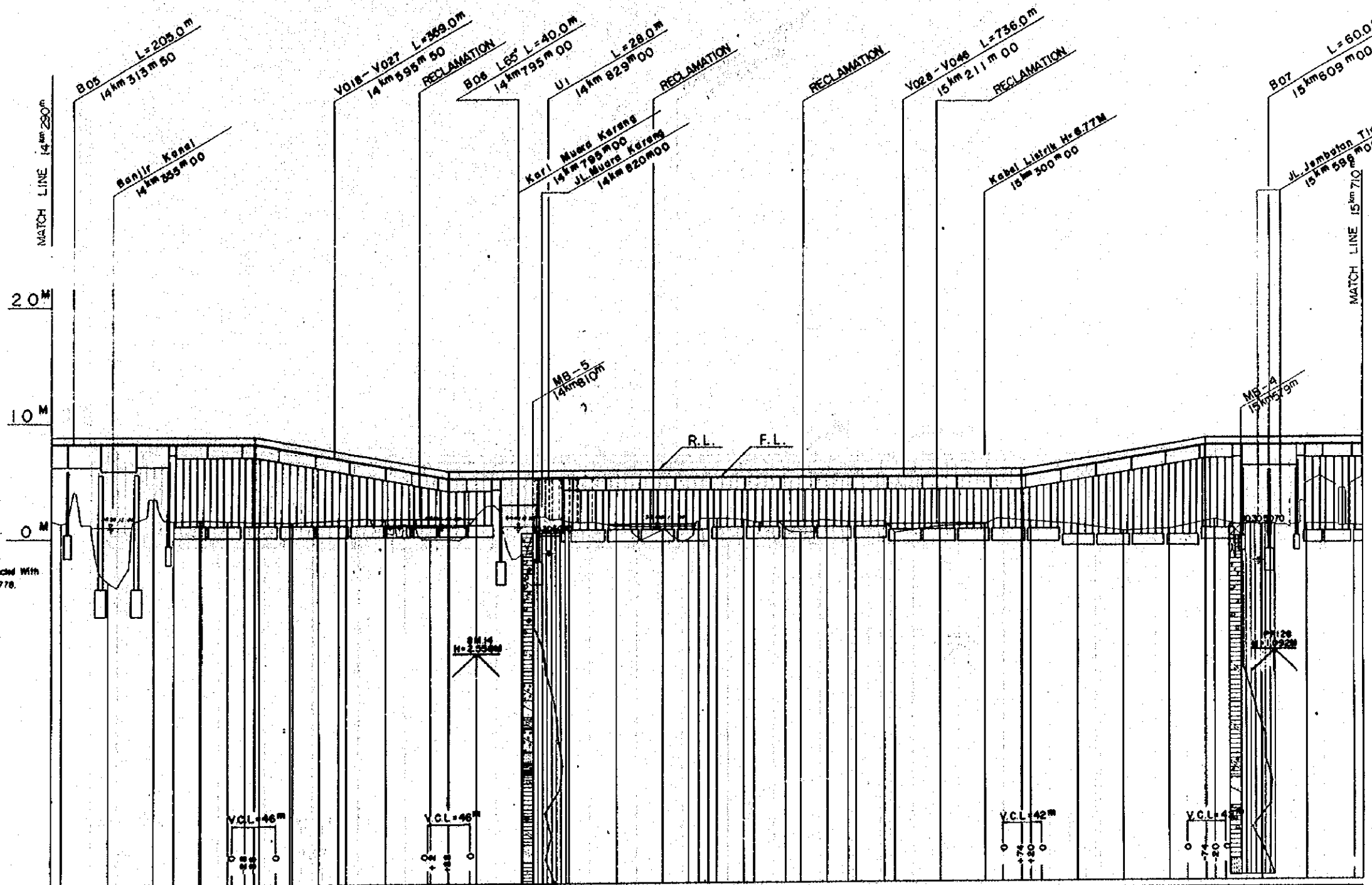
PROJECT NO: TG-058

Datum of Levelling is Pelt Pylek and Connected With
OKI Bench Mark PP 125, 130, 131, 137, 769, 778.



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 89	T.A.	T.T	L.M	K.M	M.K
A	15 FEB 89	T.A.	T.T	L.M	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
PROFILE (SHEET 11 OF 16)						
PACKAGE: I TRACK WORK						
SCALE	V=1:200	DRAWING NO: TG-059				
	H=1:2500					



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

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

GRADIENT	L	9.074	15	5.924	L	5.924	14	8.724	L															
CUTTING																								
EMBANKMENT																								
RAIL LEVEL	.	.	.	3046	3066	3474	7724	6974	6226	6012	5924	.	.	.	5998	6084	6764	7464	8164	8650	8704	8724	.	.
FORMATION LEVEL	.	.	.	3.42	3.36	7.85	7.10	6.36	5.60	5.39	5.30	.	.	.	5.37	5.46	6.14	6.84	7.54	8.03	8.08	8.10	.	.
CANT	60 ^{mm}										60 ^{mm}										0 ^{mm}			
KILOMETERAGE	3	4	5	540	6	7	720	8	9	10	11	12	13	140	15	16	17	18	19	20	21	22	23	24
CURVE	BCC=14km421m78										BCC=14km421m78										BCC=14km421m78			

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	K.M	M.K
A	15 FEB. 89	T.N	T.T	I.H	K.M	M.K

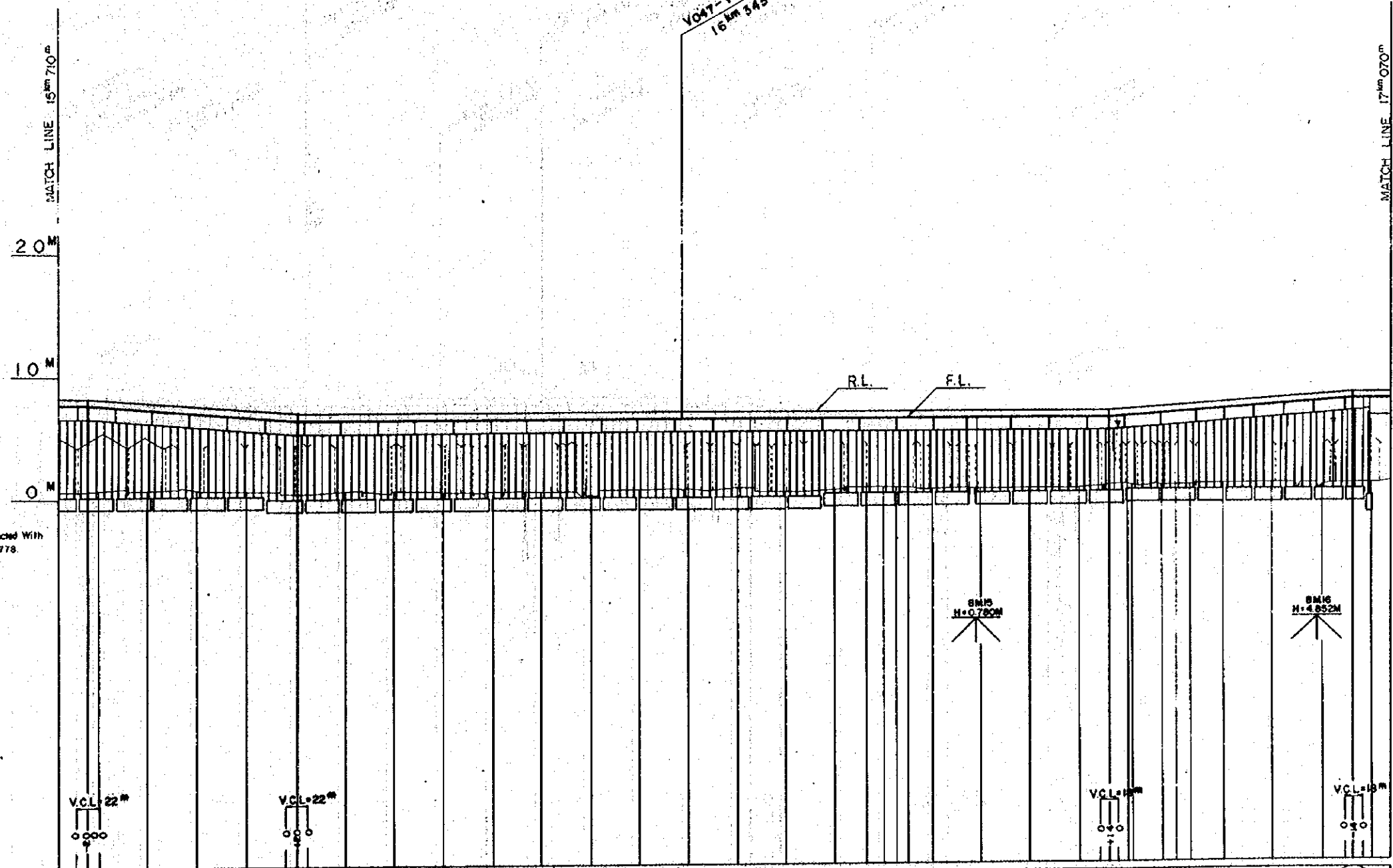
REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

PROFILE(SHEET 12 OF 16)

PACKAGE: TRACK WORK

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

V047-V048 L=1409.0m
16 km 343 m 50



Datum of Levelling is Pegl Priok and Connected With
DKI Bench Mark PP 125, 130, 131, 137, 259, 778.

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

GRADIENT	8.724	7	7.254	L	7.254	6	8.754									
CUTTING																
EMBANKMENT																
RAIL LEVEL	8.704 8.654	8.304	7.904	7.604	7.274	7.254	6.64 6.75	7.268 7.374	7.674	7.974	8.274	8.574	8.740	8.754		
FORMATION LEVEL	8.08 8.03	7.68	7.33	6.98	6.65	6.63										
CANT					0 ^{mm}			60 ^{mm}								
KILOMETERAGE	740	8	9	9.60	10 km	1	2	3	4	5	6	7	7.80	8	9	17 km 030
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)

S	1 AUG 89	T.N	I.T	I.M	K.M	M.K
A	15 FEB 88	T.N	I.T	I.M	K.M	M.H

REVISIONS

NO.	DATE	REASON	BY	CHECKED	REVIEWED	SUBMITTED
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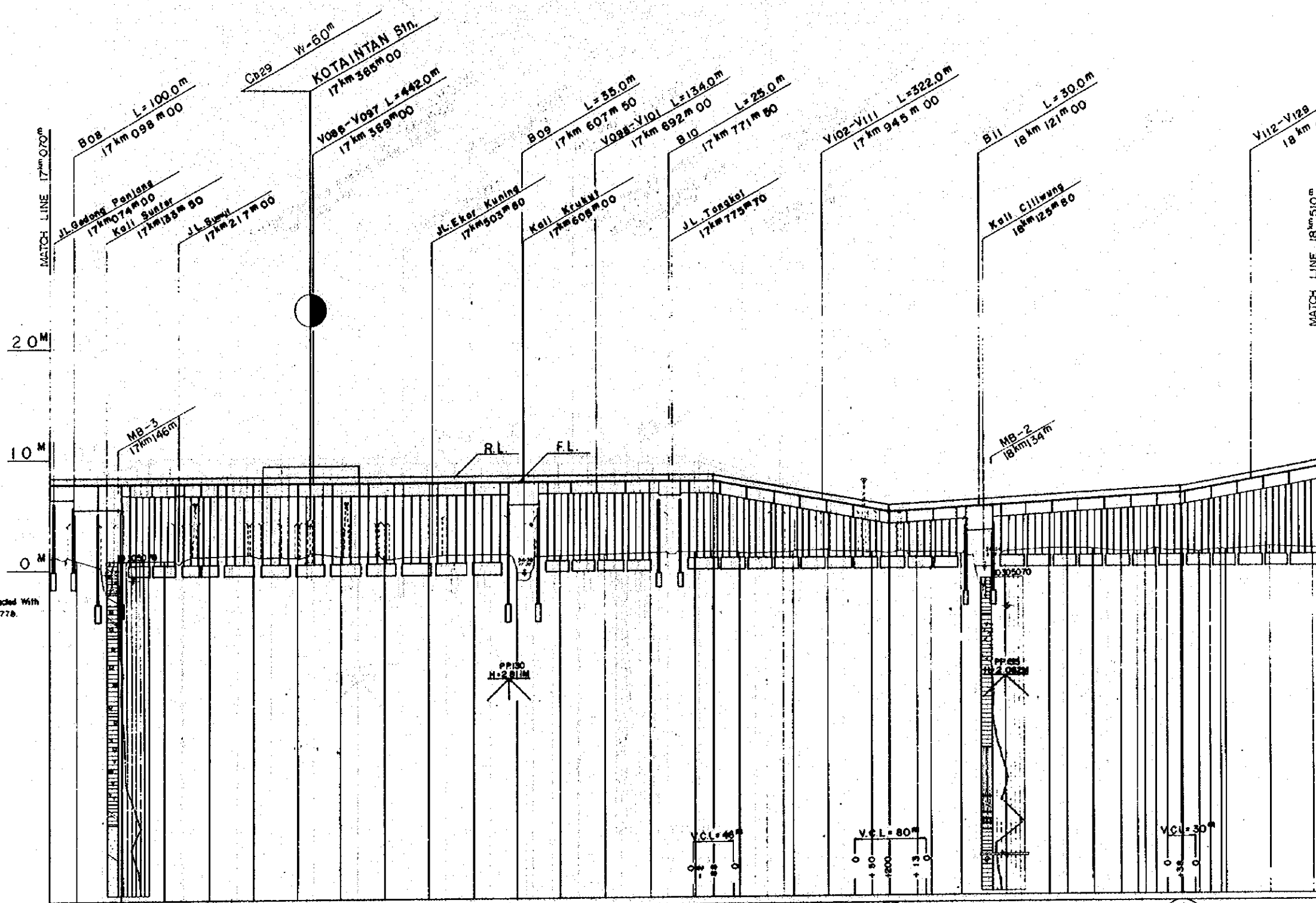
PROFILE (SHEET 13 OF 16)

PACKAGE: I TRACK WORK

SCALE: V=1:200 H=1:2500

DRAWING NO: TG-061

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



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

GRADIENT	L	8.754	15	5.754	5	7.404	15										
CUTTING																	
EMBANKMENT																	
RAIL LEVEL		8.752	8.666	8.304	7.554	6.804	6.104	5.984	5.917	6.154	6.404	6.654	6.904	7.154	7.442	8.154	8.904
FORMATION LEVEL		8.04	7.68	6.93	6.18	5.48	5.33	5.29	5.53	5.78	6.03	6.28	6.53	6.82	7.53	8.28	9.03
CANT									80 ^{mm}					80 ^{mm}			
KILOMETERAGE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CURVE																	

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

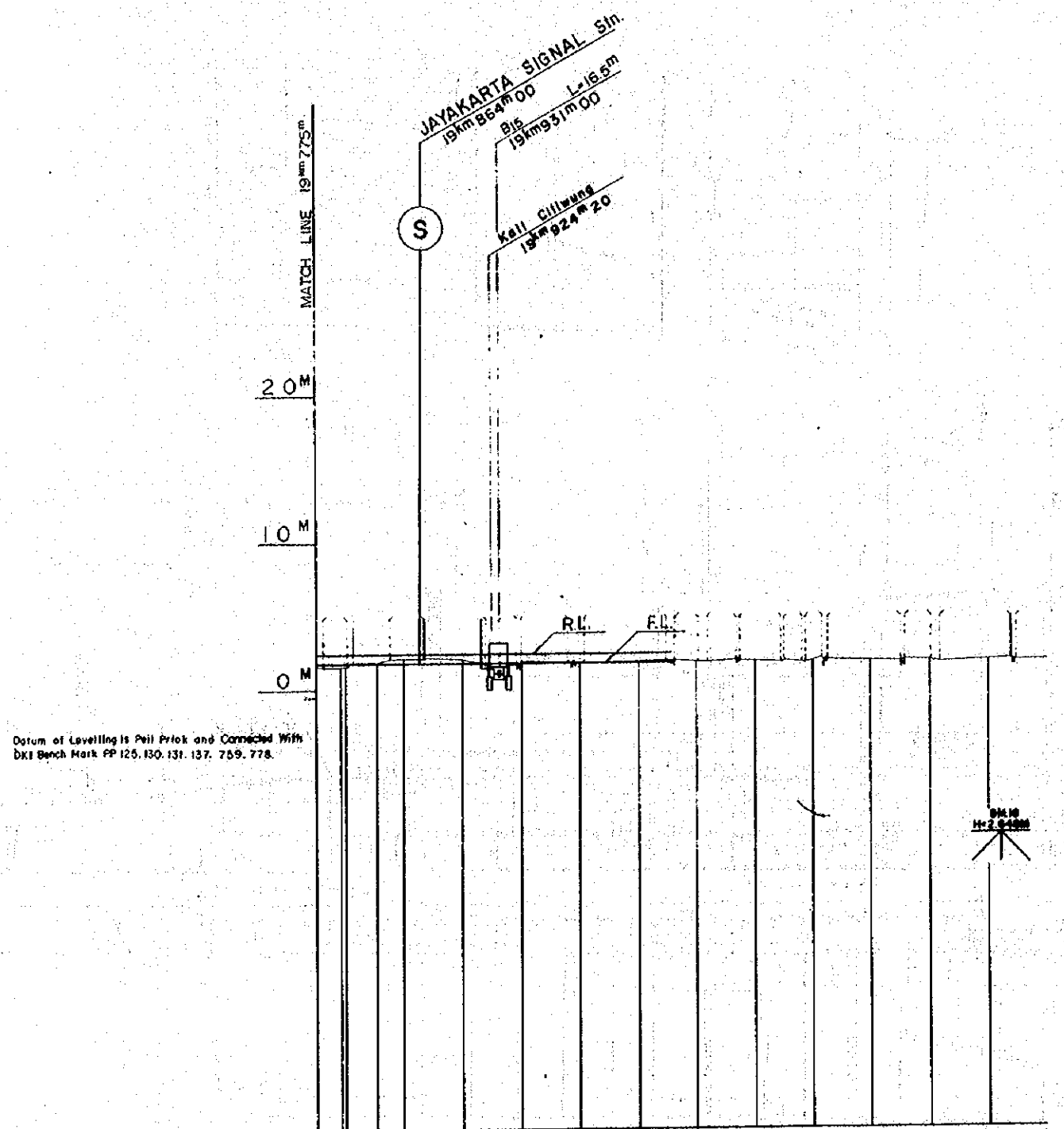
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

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

PROFILE (SHEET 14 OF 16)

PACKAGE: TRACK WORK
 SCALE: V=1:200 H=1:2500
 DRAWING NO: TG-062



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

GRADIENT	L
CUTTING	
EMBANKMENT	
RAIL LEVEL	2683
FORMATION LEVEL	
CANT	0 ^m
KILOMETERAGE	0 1 2 3 4
CURVE	TC=19+775.00 EP=20+990.10

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)

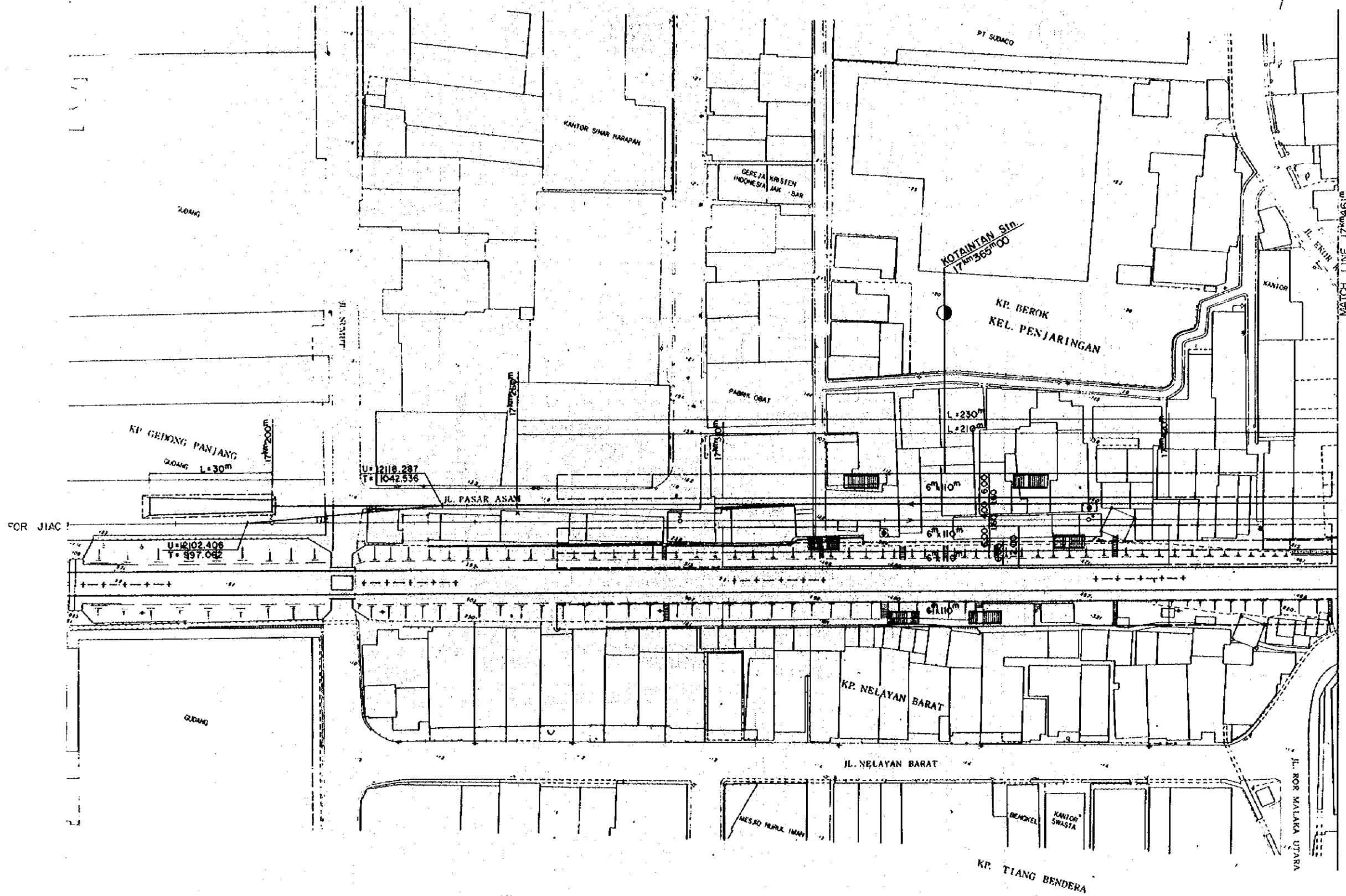
B	1 AUG 89	T.N	T.T	I.M	K.M	K
A	15 FEB 89	T.N	T.T	I.M	K.M	K

REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

PROFILE (SHEET 16 OF 16)

PACKAGE: 1 TRACK WORK

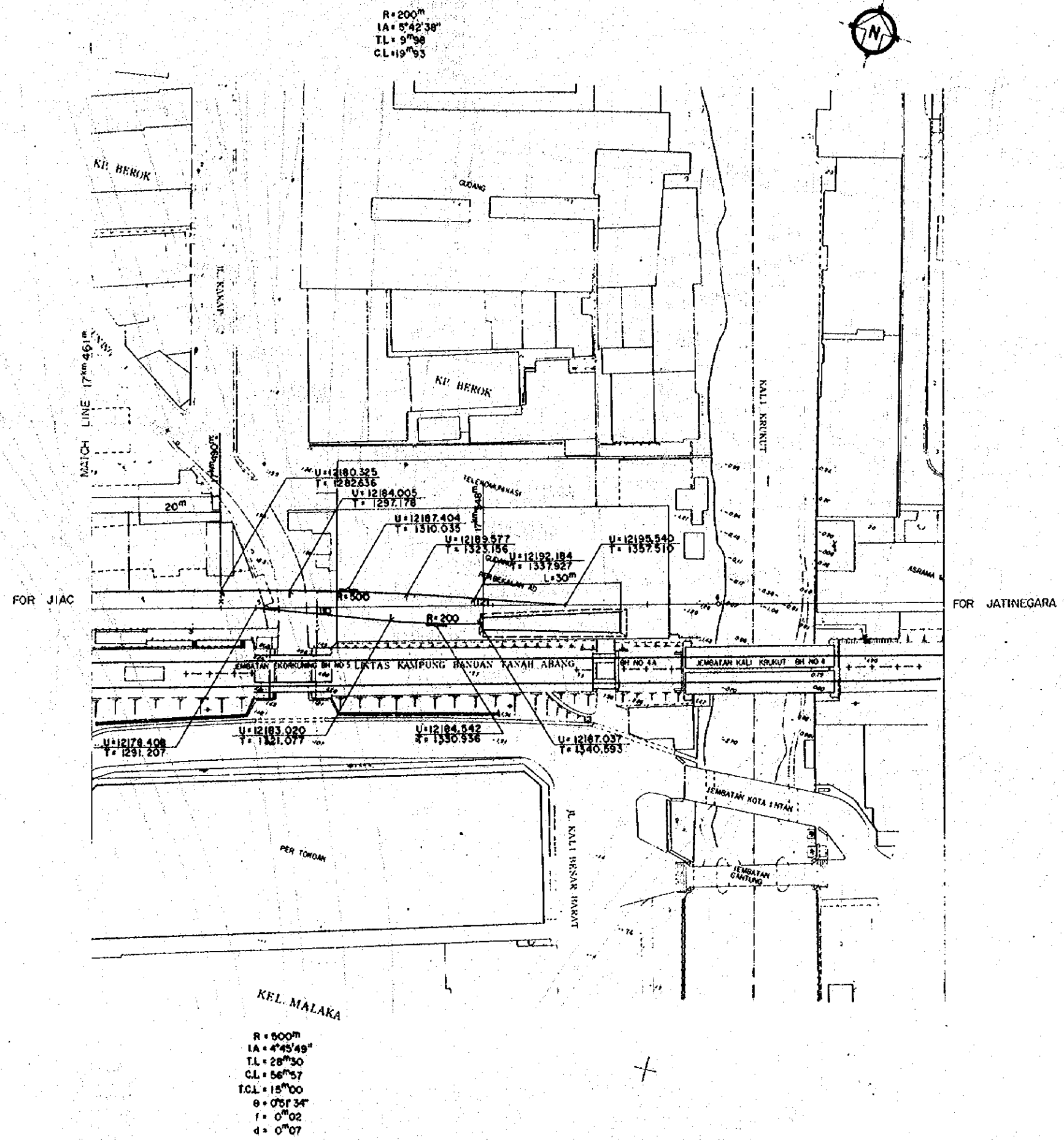
SCALE: V=1:200 H=1:2500 DRAWING NO: TG-064



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

FOR JATINEGARA

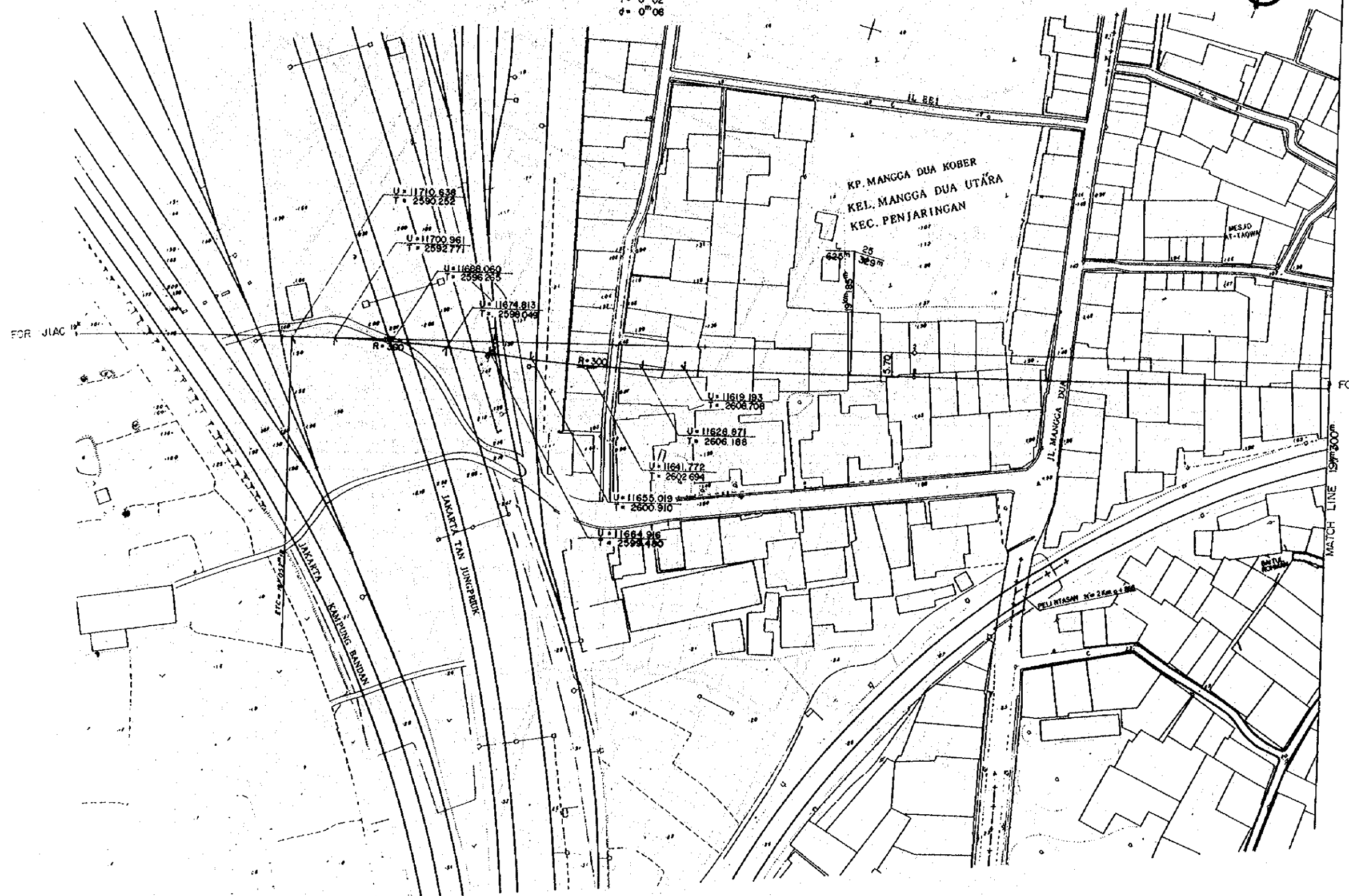
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
S	1 AUG 88	T.N.	T.T.	I.H.	M.M.	M.K.
A	13 FEB 88	T.N.	T.T.	I.H.	M.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN KOTA INTAN STATION (SHEET 1 OF 2)						
PACKAGE: I TRACK WORK						
SCALE		DRAWING NO.				
1:500		TG-065				



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	24/08	T.N.	T.I.	I.M.	K.M.	M.K.
A	15/02/84	T.N.	T.I.	I.M.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN KOTA INTAN STATION (SHEET 2 OF 2)						
PACKAGE:		I TRACK WORK				
SCALE:	DRAWING NO.					
1:500	TG - 066					

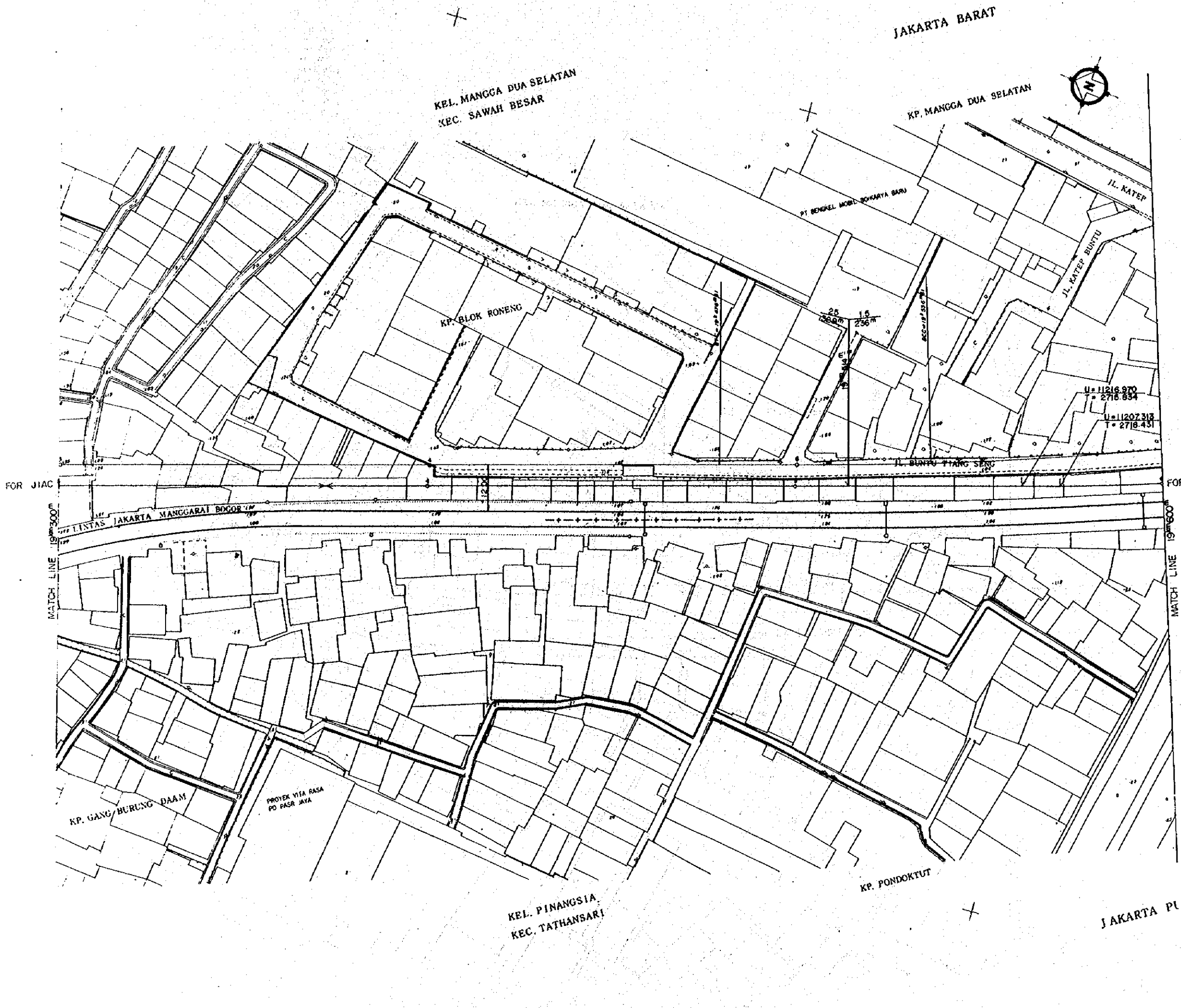
R = 300^m
 IA = 7°00'22"
 TL = 23^m 37
 CL = 46^m 68
 TCL = 10^m 00
 θ = 0°57'17"
 f = 0^m 02
 d = 0^m 08



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

R = 300^m
 IA = 7°00'22"
 TL = 23^m 37
 CL = 46^m 68
 TCL = 10^m 00
 θ = 0°57'17"
 f = 0^m 02
 d = 0^m 08

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
B	1 AUG 88	T.N.	T.T.	I.M.	K.M. M.K.
A	15 FEB 88	T.N.	T.T.	I.M.	K.M. M.K.
SETTING OUT PLAN OF TRACKS IN JAYAKARTA SIGNAL STATION (SHEET 1 OF 4)					
PACKAGE: I TRACK WORK					
SCALE: 1:500		DRAWING NO: TG-067.			



JAKARTA BARAT

KEL. MANGGA DUA SELATAN
KEC. SAWAH BESAR

KP. MANGGA DUA SELATAN



KP. BLOK RONENG

PT. BENGKEL MOBIL BOKHAYA BARU

U=11216.970
T=2718.854
U=11207.313
T=2718.431

FOR JIAC

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.N.	T.T	1.M	K.M. M.K.
A	15 SEP 84	T.N.	T.T	1.M	K.M. M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
SETTING OUT PLAN OF TRACKS IN JAYAKARTA SIGNAL STATION (SHEET 2 OF 4)					
PACKAGE: I TRACK WORK					
SCALE		DRAWING NO.			
1:500		TG-068			

MATCH LINE 19

MATCH LINE 20

KP. GANG BURUNG DAAM

PROYEK VITA RASA
PD PASIR JAYA

KEL. PINANGSIA
KEC. TATHANSARI

KP. PONDOKTUT

JAKARTA PI

IP14
 R=1000"
 LA=16°36'18"
 TL=107^m15
 CL=212^m87
 TOL=10^m00
 θ=0°24'35"
 I=0^m01
 d=0^m02

R=700"
 LA=16°36'18"
 TL=107^m15
 CL=212^m87
 TOL=10^m00
 θ=0°24'35"
 I=0^m01
 d=0^m02



KEL. MANGGA DUA SELATAN

KP. KEBON KELAPA

JALAN SEDANG DIRUAT

PETOKAN PERUMAHAN

KP. PECAH KU

KARYAOKTA
RUCUNAN KAYU

U=11030.821
T=2754.280,97

U=11022.089
T=2739.428

U=10976.915
T=2827.128

PT SINAR MAS

JL. P. JAYAKARTA

PELINTASAN NO. 2B

LINTAS JAKARTA MANGGARAI BOGOR

KP. KEBON SAJUR

PT ORION JAYASAKTI

JL. MANGGA BESAR II

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)

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.

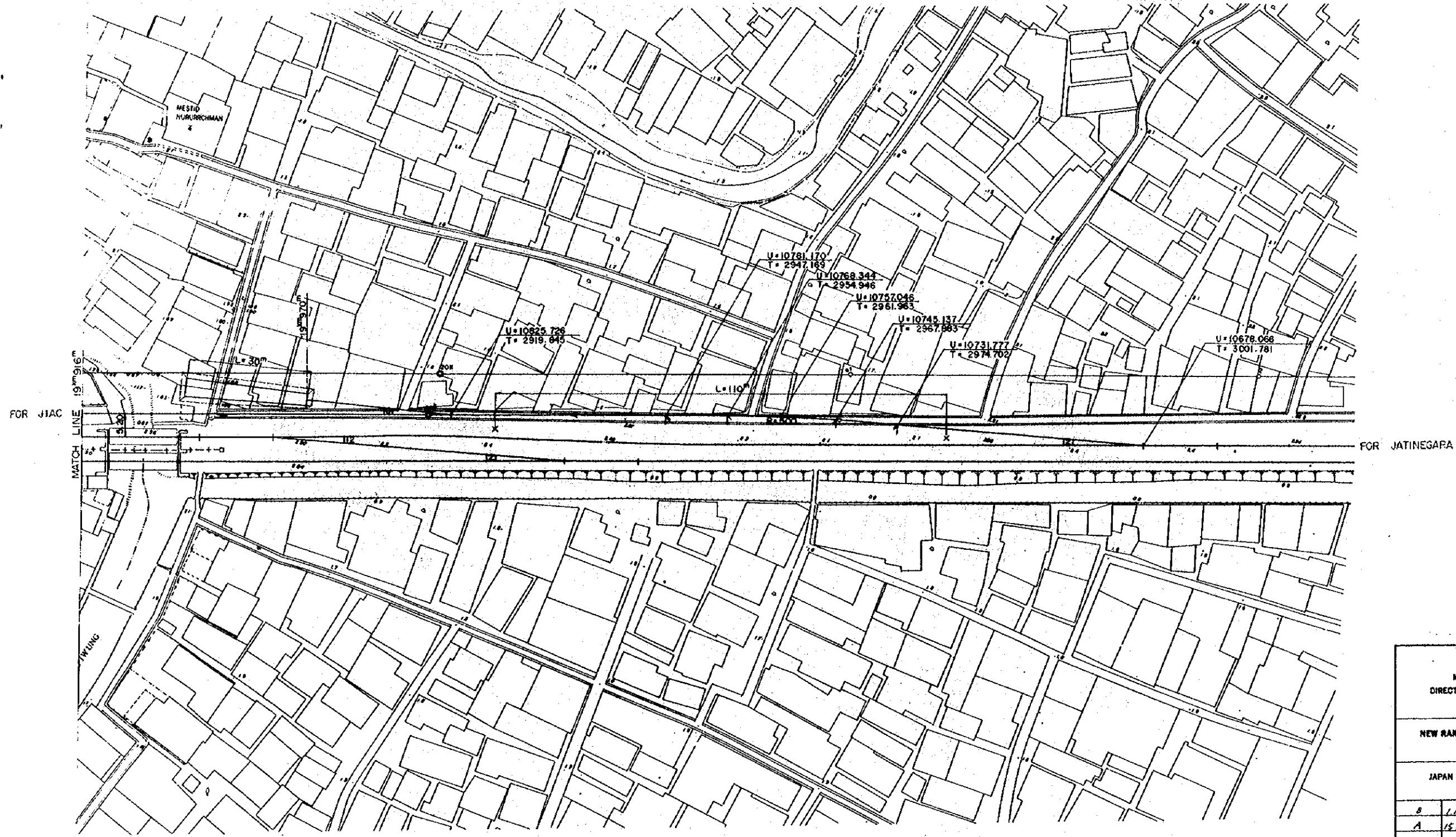
SETTING OUT PLAN OF
 TRACKS IN JAYAKARTA
 SIGNAL STATION (SHEET 3 OF 4)

PACKAGE: I TRACK WORK

SCALE: 1:500
 DRAWING NO: TG-069

KEL MANGGA BE.

SAT



FOR JIAC

FOR JATINEGARA

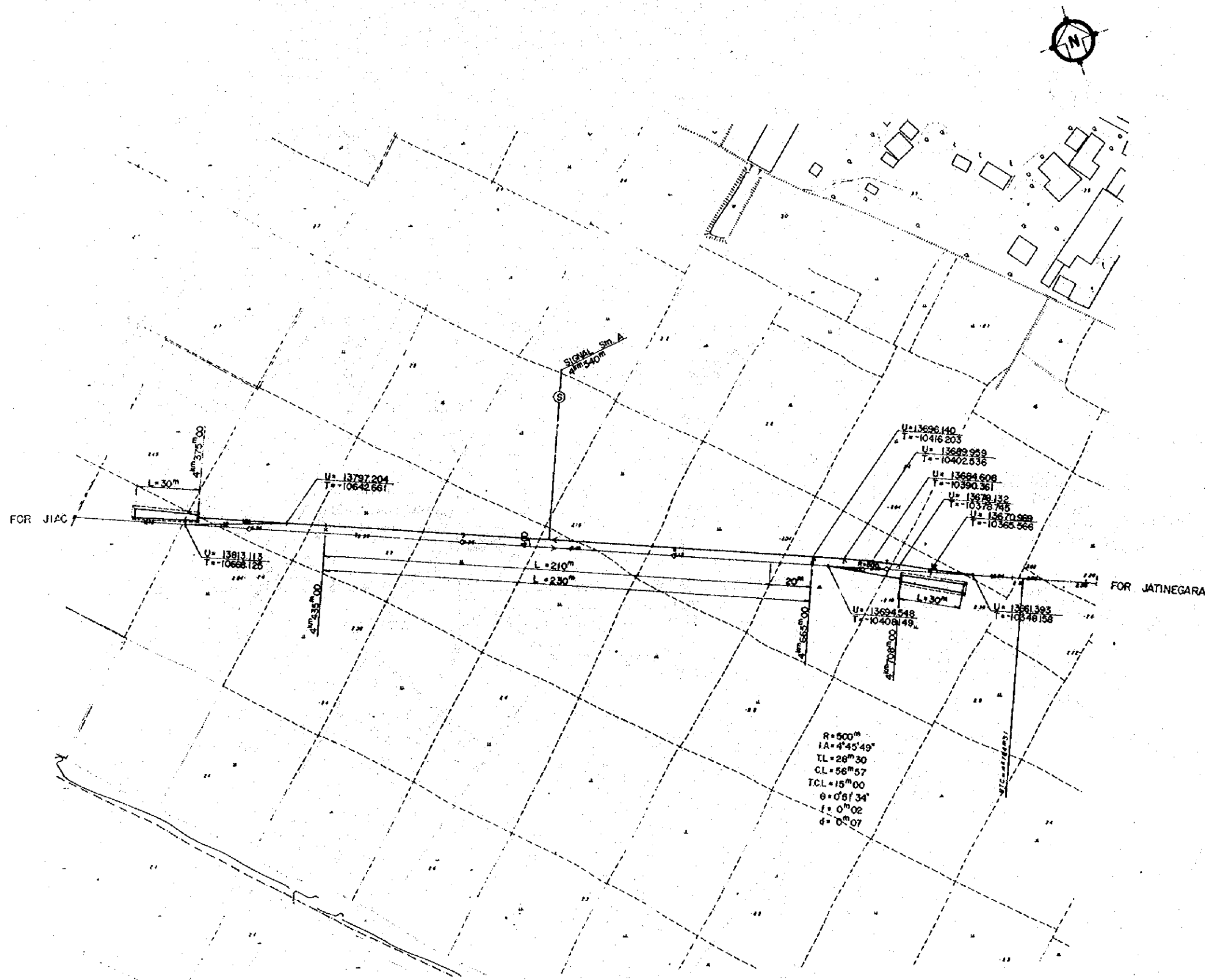
MATCH LINE 10m/9m

WANG

SAT

R = 500^m
 IA = 4° 45' 49"
 TL = 28^m 30
 CL = 56^m 58
 TCL = 15^m 00
 θ = 0° 51' 34"
 γ = 0° 02'
 δ = 0° 07'

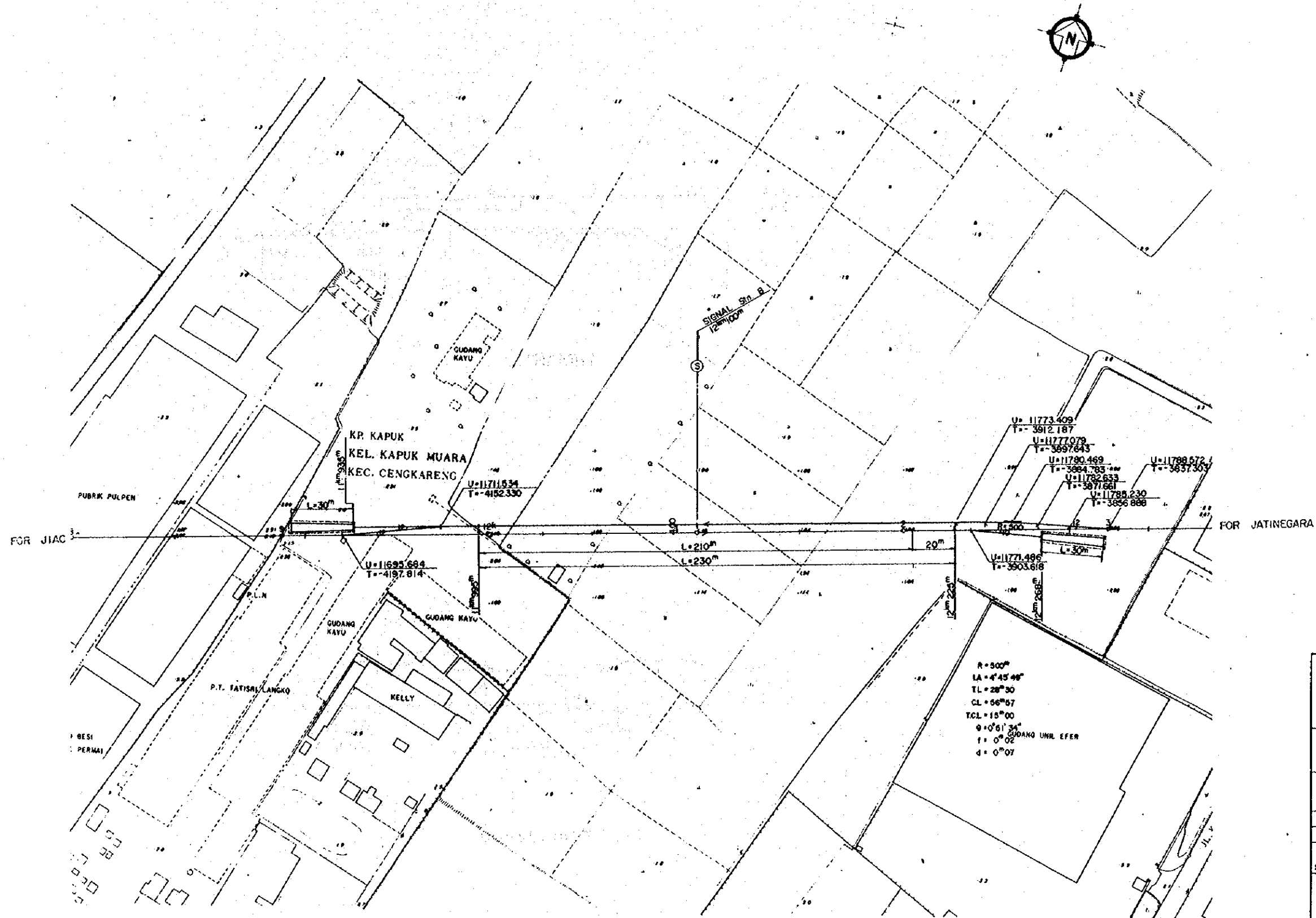
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 88	T.M.	T.T.	I.M.	K.M.	K.K.
A	15. FEB. 88	T.M.	T.T.	I.M.	K.M.	K.K.
REVISIONS	DATE	CHECKED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN JAYAKARTA SIGNAL STATION (SHEET 4 OF 4)						
PACKAGE: ■ TRACK WORK						
SCALE		DRAWING NO.				
1:500		TG-070				



KEL. TEGAL ALUR
KEC. CENGKARENG
DKI

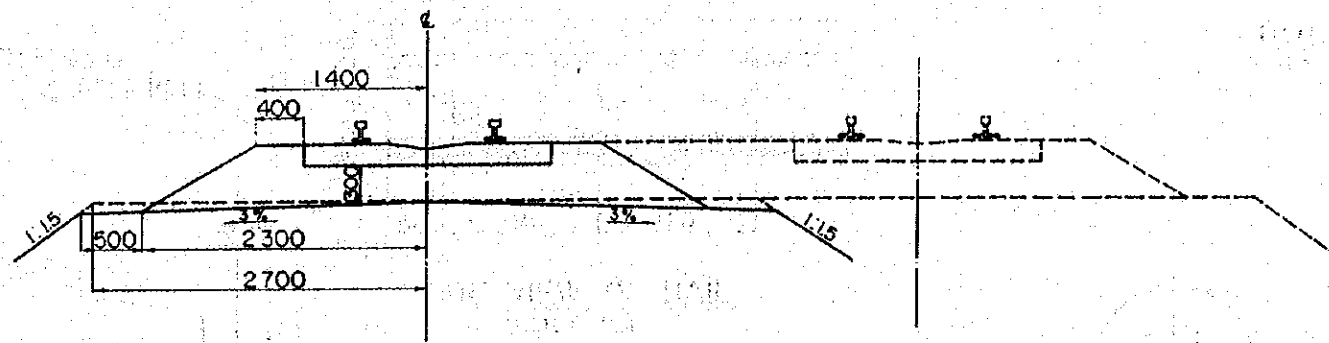
NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

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)						
S	1 AUG. '86	T.H.	T.T.	I.M.	K.M.	M.K.
A	15 FEB. '86	T.H.	T.T.	I.M.	K.M.	M.K.
REVISORS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN SIGNAL STATION A						
PACKAGE: TRACK WORK						
SCALE	DRAWING NO.					
1:500	TG-071					

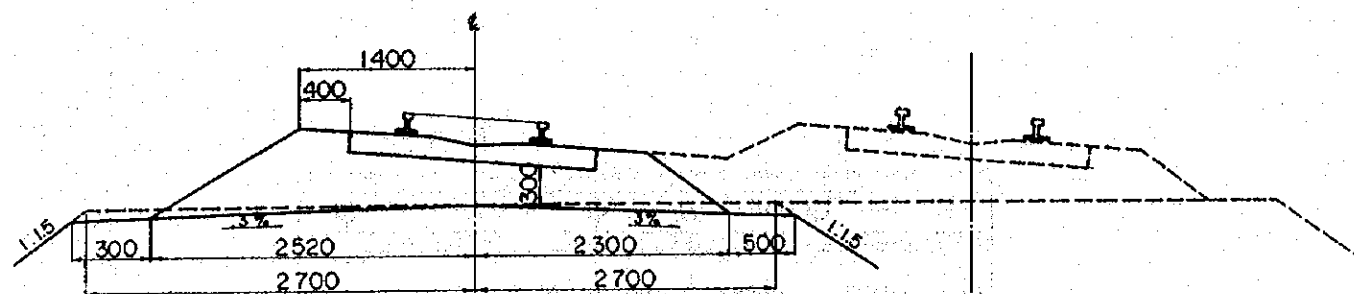


NOTE:
ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE INDICATED.

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.M.	T.I.	I.M.	U.M.	M.K.
A	1 FEB 84	T.M.	T.I.	I.M.	U.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
SETTING OUT PLAN OF TRACKS IN SIGNAL STATION B						
PACKAGE: I TRACK WORK						
SCALE	DRAWING NO.					
1:500	TG-072					



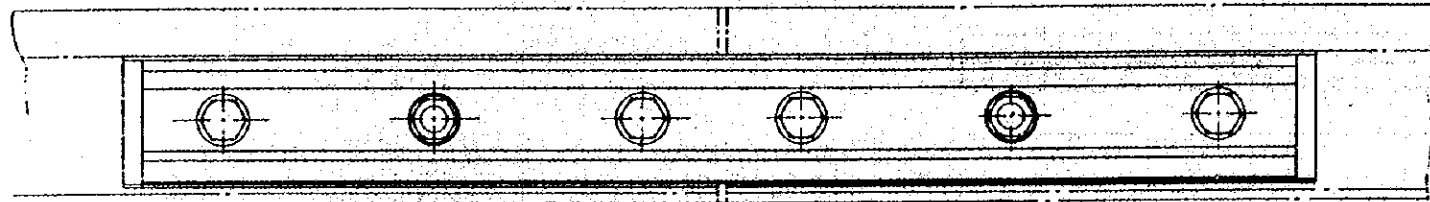
STRAIGHT



CURVE $80 \geq C \geq 15$

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. 84	M.K	M.K	Kepono	K.M	M.K
A	15 Feb. 84	M.K	M.K	Kepono	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
STANDARD SECTION OF TRACK						
PACKAGE: I TRACK WORK						
SCALE		DRAWING NO.				
NOT IN SCALE		TG - 073				



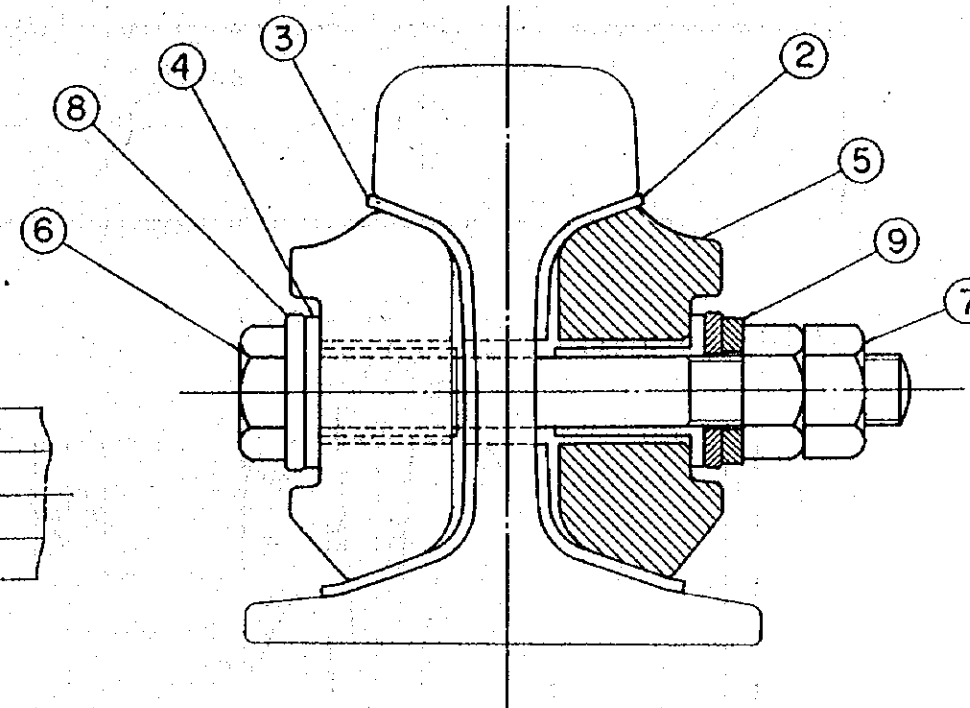
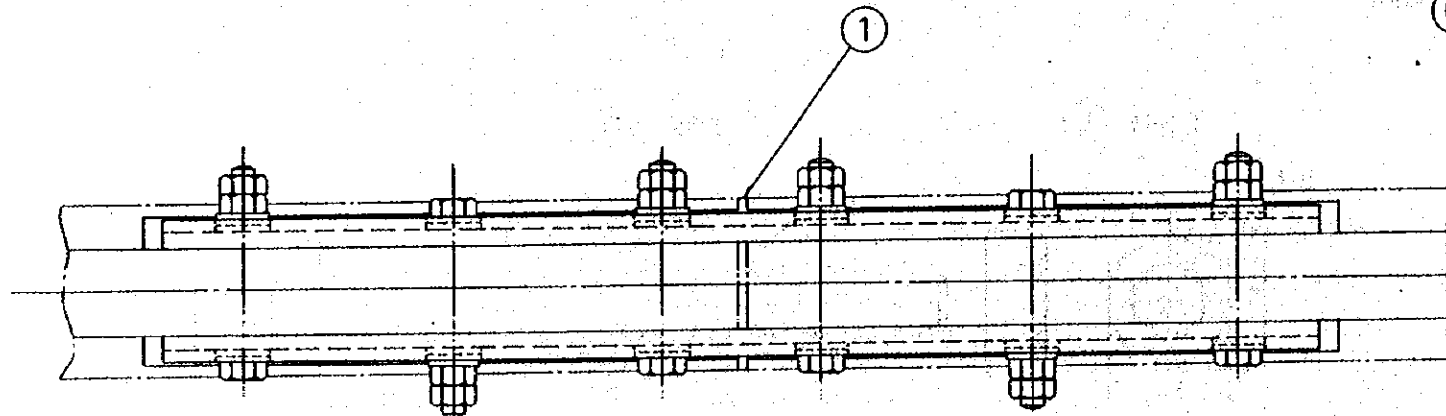
PARTS AND MATERIALS

	PARTS	MATERIALS	No Qty	
			No	Qty
INSULATOR	END POST	PLF	①	1
	PLATE (LEFT)	POLYAMIDE RESIN	②	2
	PLATE (RIGHT)	POLYAMIDE RESIN	③	2
	TUBE WITH FLANGE	FLANGE: EPG, TUBE: RPC	④	2
STEEL MATERIAL	FISH PLATE		⑤	2
	BOLT		⑥	6
	NUT		⑦	12
	PLAIN WASHER		⑧	12
	SPRING WASHER		⑨	6

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

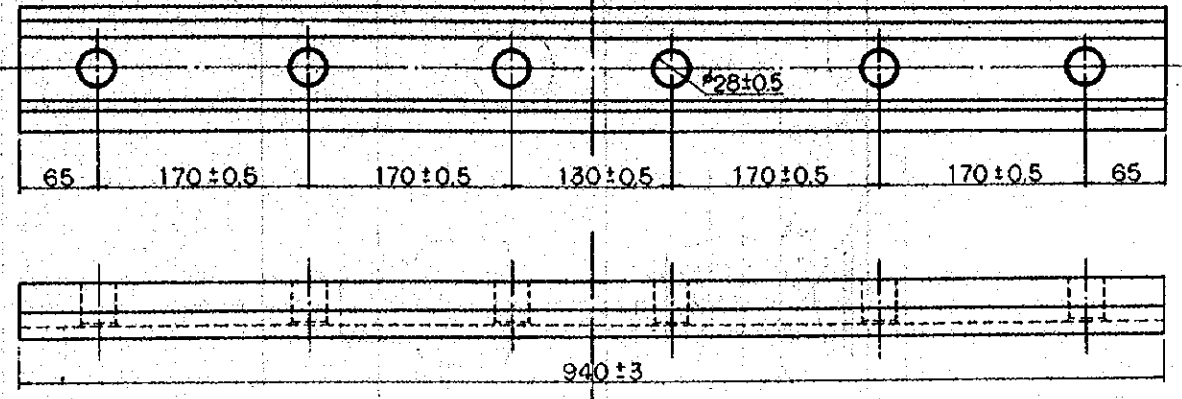
ABBREVIATIONS

PLF: FIBER PLASTIC LAMINATED
RPC: REINFORCED POLY-CARBONATE
EPG: EPOXY RESIN GLASSFIBER

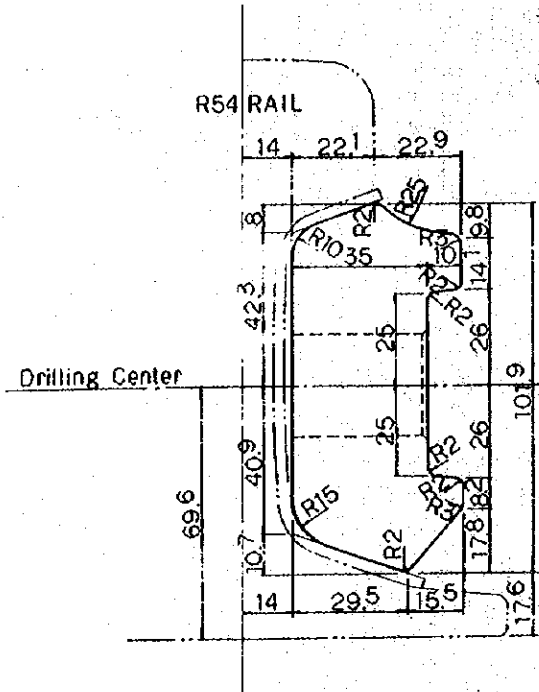


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 77	T.T	Z.A.	Supervisor	K.M.
A	15 Feb 82	K.M.	Supervisor	K.M.	K.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
INSULATED JOINT (SHEET 1 OF 2)					
PACKAGE: I TRACK WORKS					
SCALE: 1:1		DRAWING NO: TR-002			

⑤ FISHPLATE

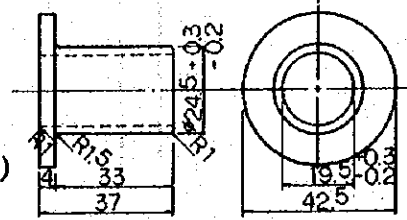


NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

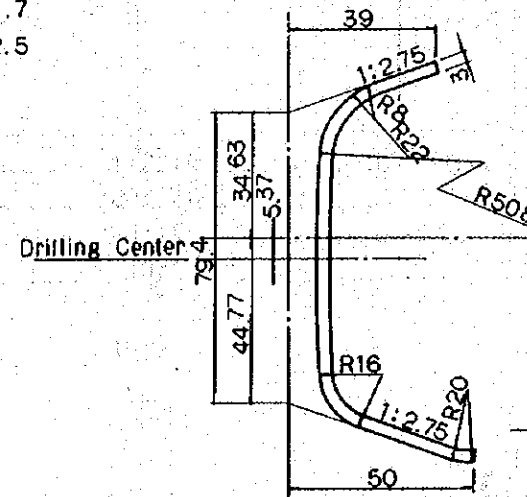


Fcm² 35.4
Jxcm⁴ 270.1
Wxcm³ 51.9
Jycm⁴ 44.7
Wycm³ 22.5

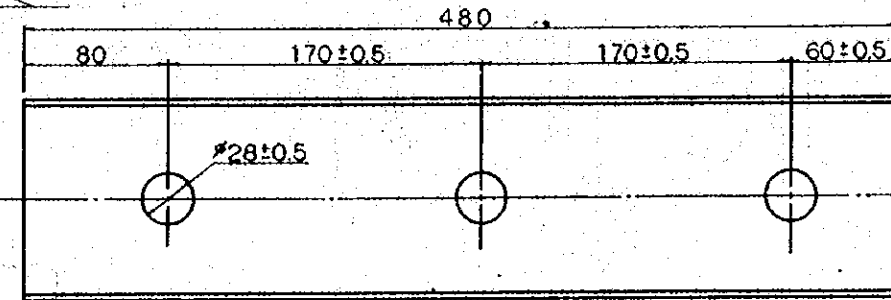
④ TUBE WITH FLANGE



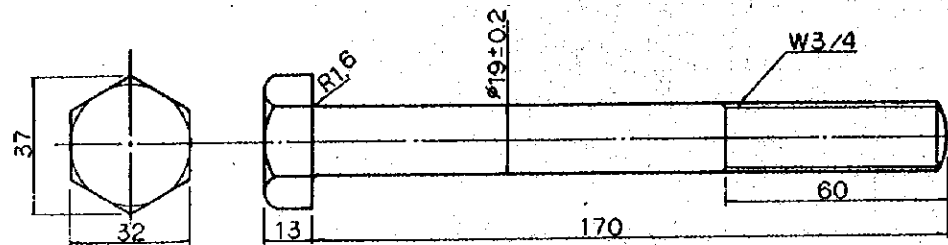
② PLATE (LEFT)



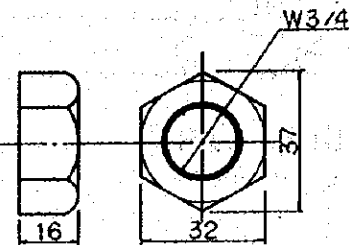
③ PLATE (RIGHT)
SYMETRICAL WITH ②



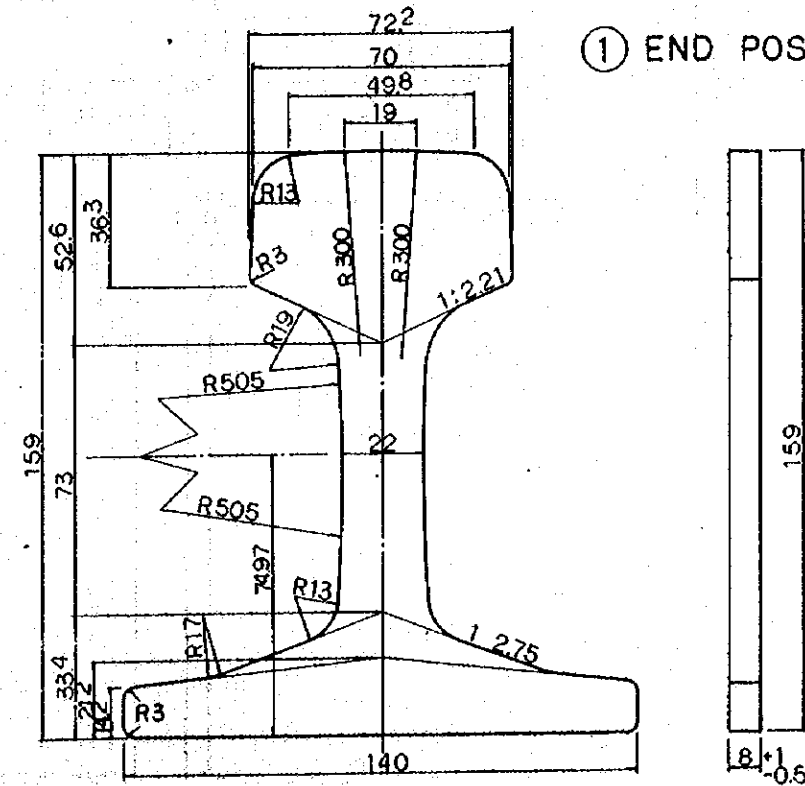
⑥ BOLT



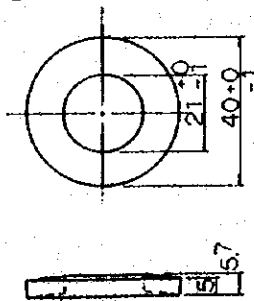
⑦ NUT



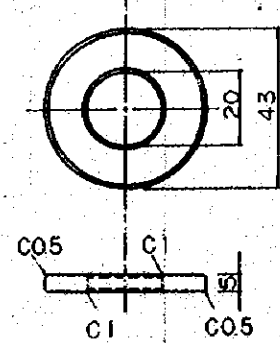
① END POST



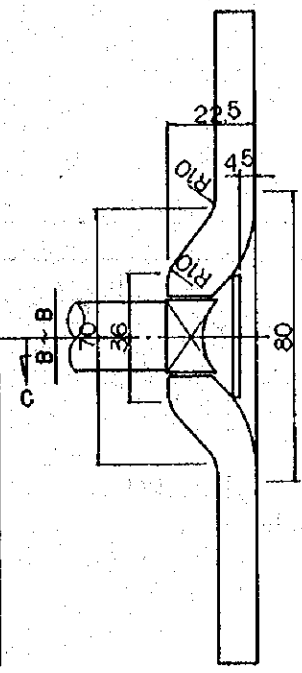
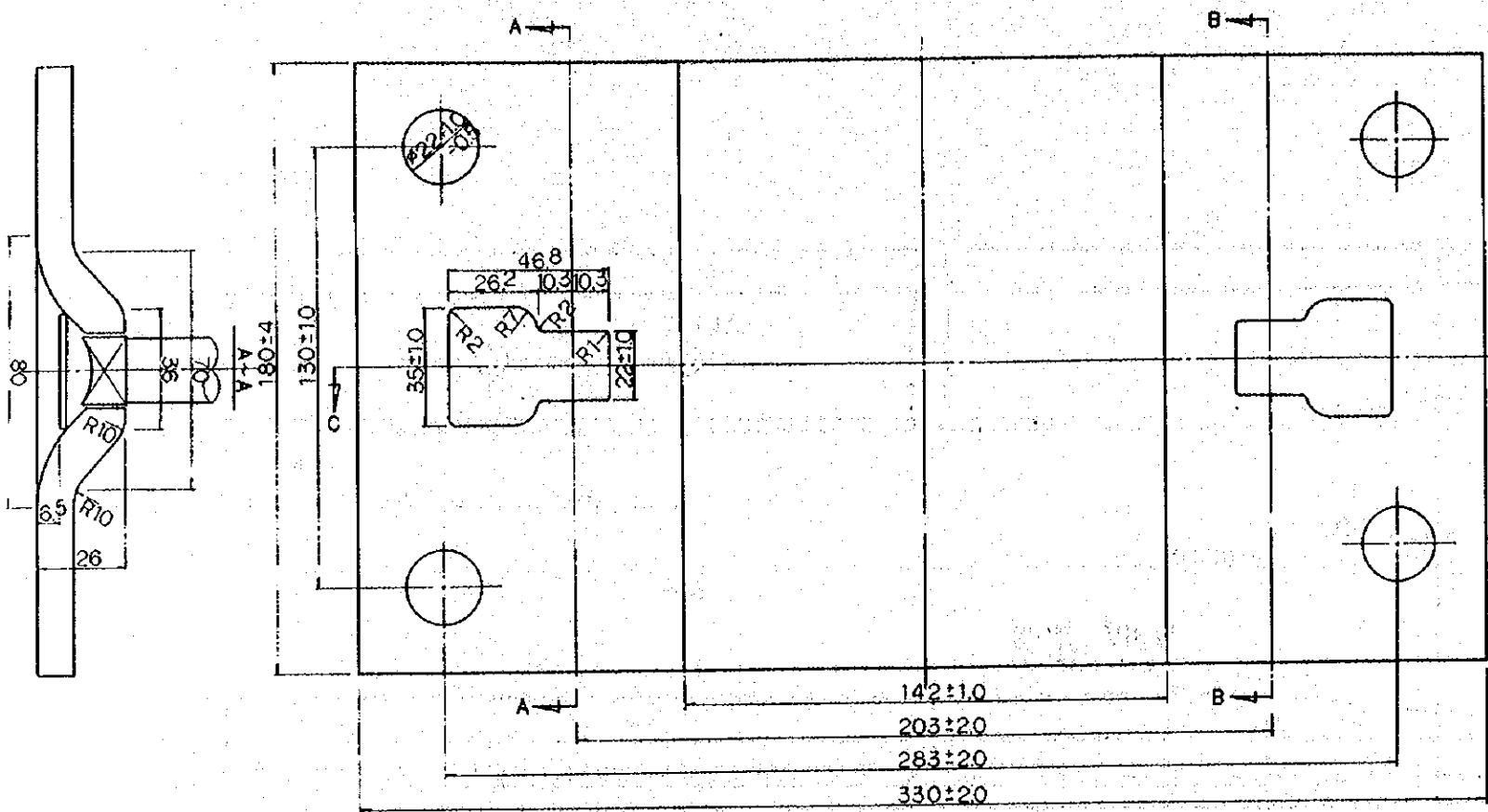
⑨ SPRING WASHER



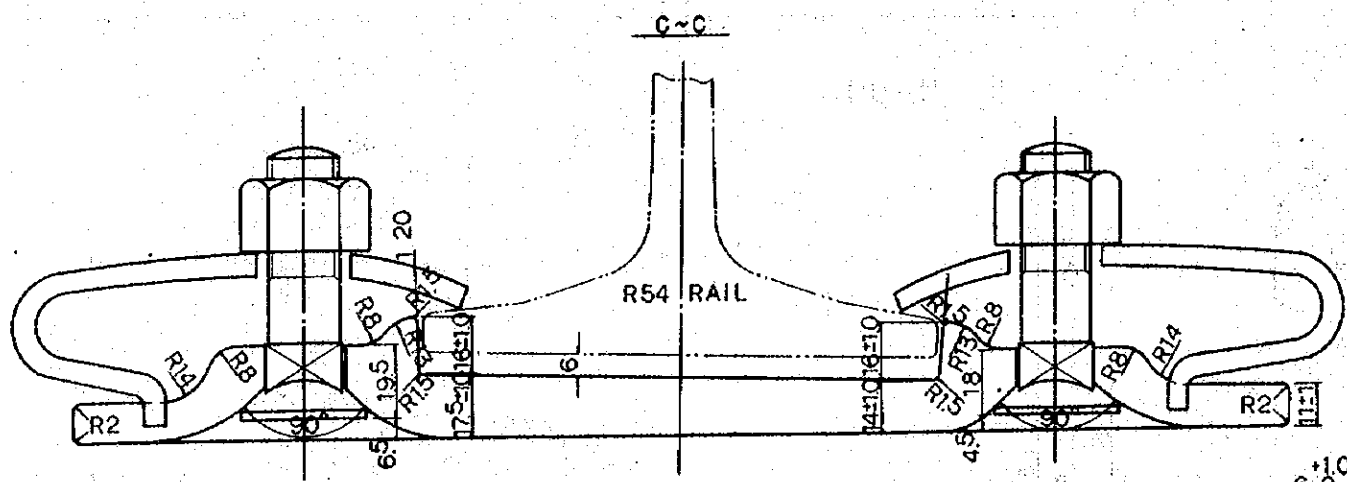
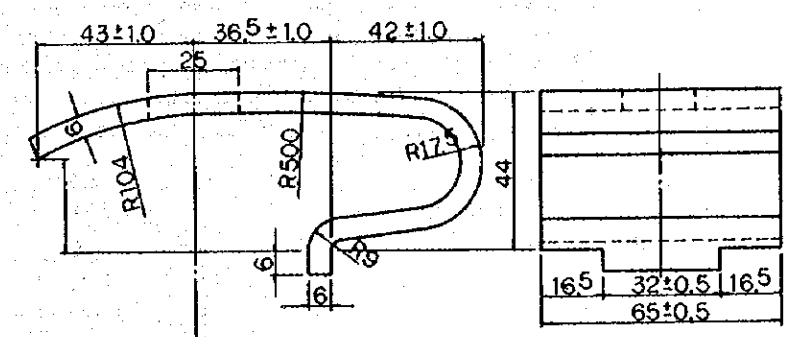
⑧ PLAIN WASHER



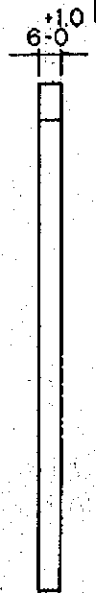
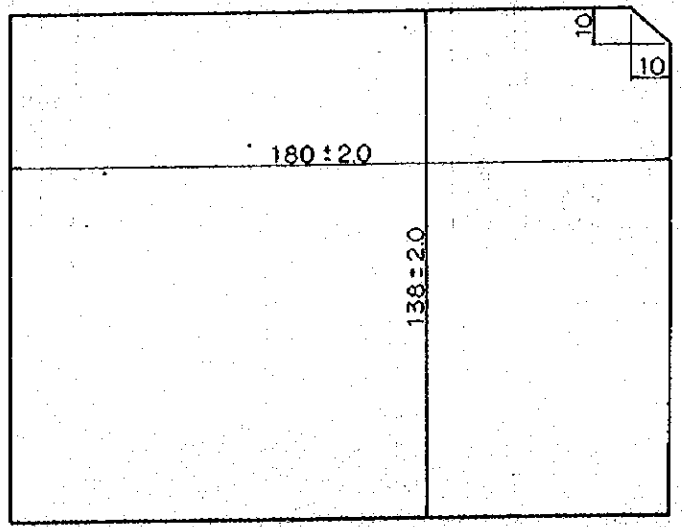
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1. AUG. 89	F.T.	T.N.	K.M.	LLK
A	15 FEB 89	K.M.	K.M.	K.M.	K.K.
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	SUBMITTED
INSULATED JOINT (SHEET 2 OF 2)					
PACKAGE: II TRACK WORKS					
SCALE	DRAWING NO.				
1:1	TR-003				



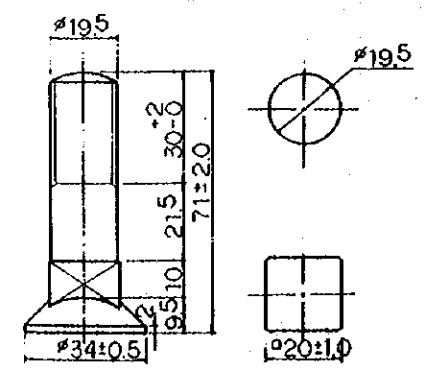
SPRING CLIP



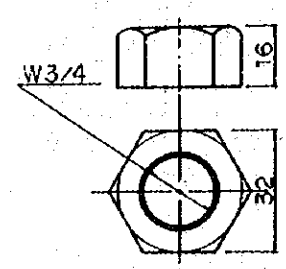
PAD (RUBBER)



BOLT

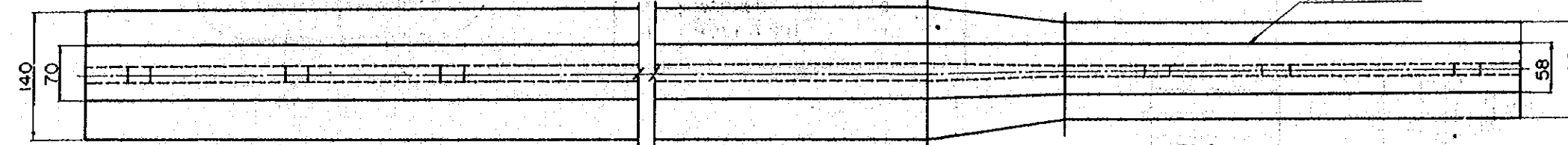
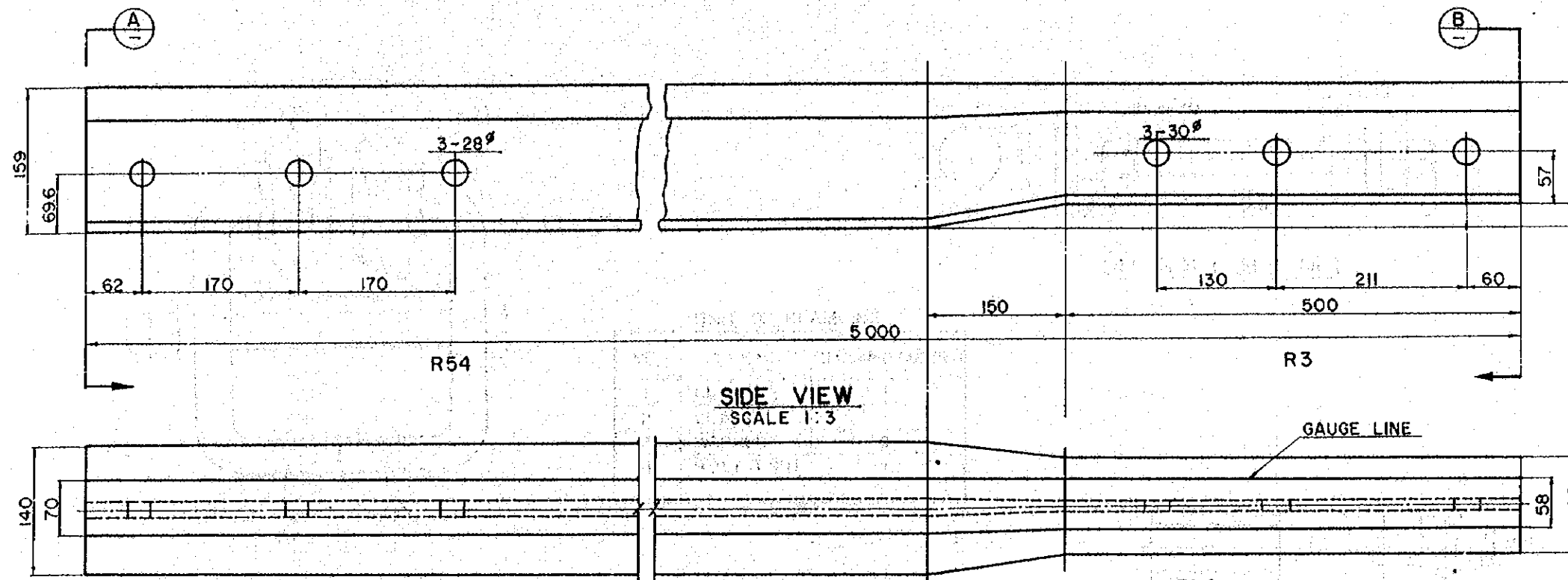


NUT

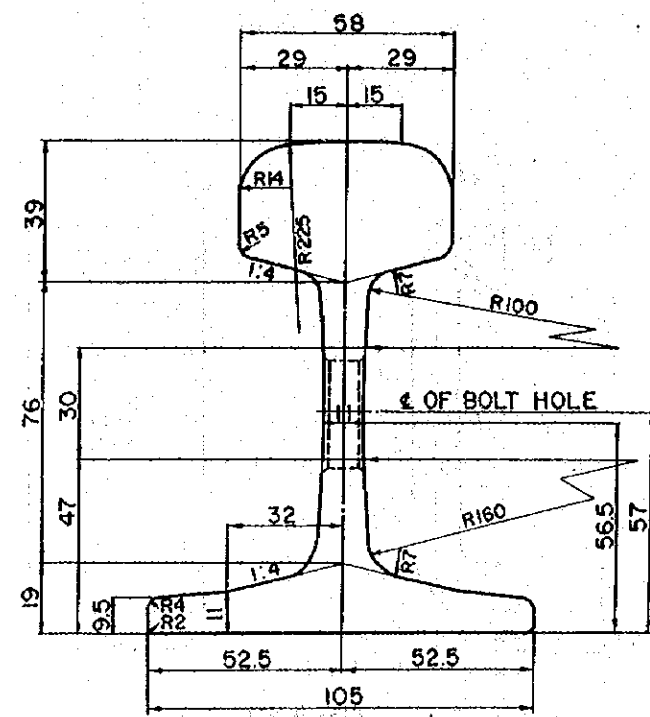


NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

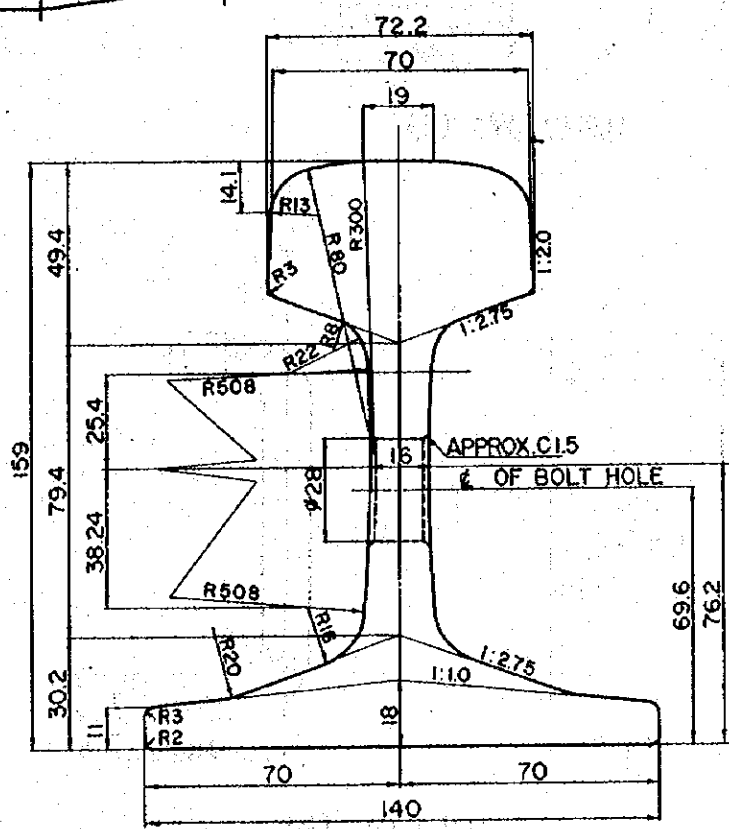
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REVISED	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
B	1. Aug. 98	T.T	T.N	Kagami	K.M
A	15 Feb. 99	K.M	K.M	K.M	K.M
F TYPE FASTENING FOR R54 RAIL (JOINT USE)					
PACKAGE: I TRACK WORKS					
SCALE: 1:1		DRAWING NO: TR-004			



PLAN



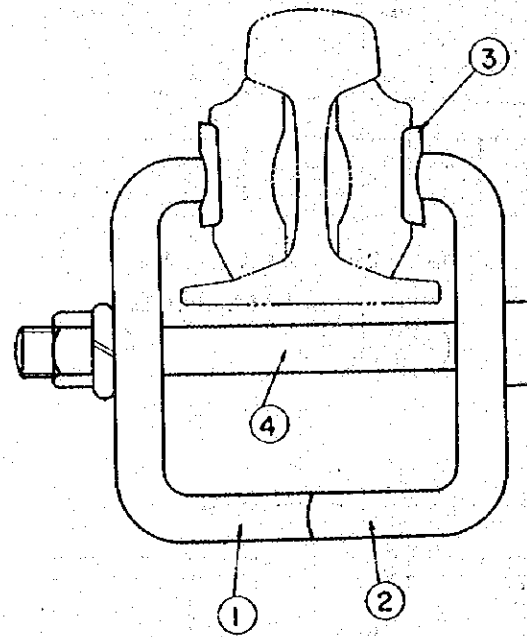
SECTION B SCALE 1:1



SECTION A SCALE 1:1

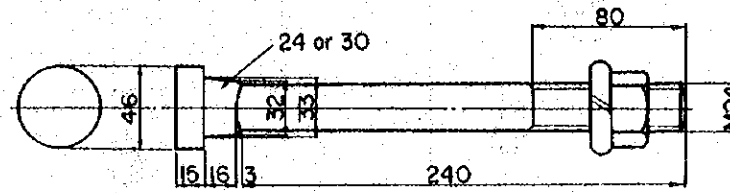
NOTE :
 1. THIS DRAWING SHOWS RIGHT HAND COMPROMISE RAIL LEFT HAND COMPROMISE RAIL IS SYMMETRICAL TO RIGHT HAND ONE.
 2. ALL DIMENSIONS ARE SHOWN IN MILLIMETER UNLESS OTHERWISE INDICATED.

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)						
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	SUBMITTED
B	1 AUG 84	M.K	M.K		K.M	
A	5 Feb 84	M.K	M.K		K.M	A.K
COMPROMISE RAIL R54-R3						
PACKAGE: I TRACK WORKS						
SCALE: 1:3		DRAWING NO: TR-005				



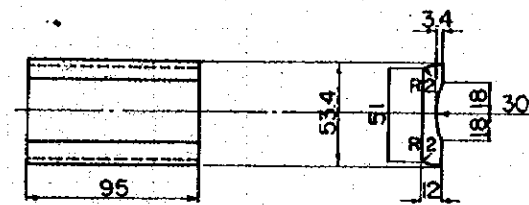
UNIT OF CLAMPING

NO.	ITEM	REQUIRED NUMBER
1	CLAMP	1
2	CLAMP	1
3	WASHER	2
4	BOLT & NUT	1

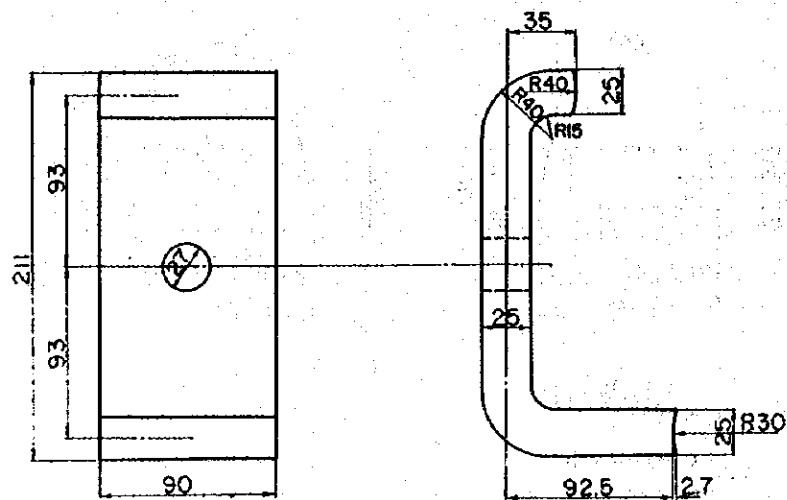


④ BOLT AND NUT

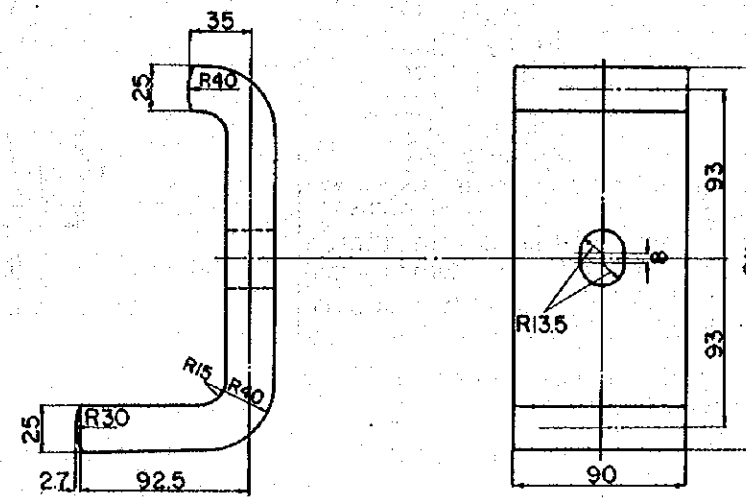
NOTE:
 FOR FASTENING, 4 UNITS OF CLAMPING SHALL BE APPLIED TO EACH JOINT.
 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED.



③ WASHER



① CLAMP



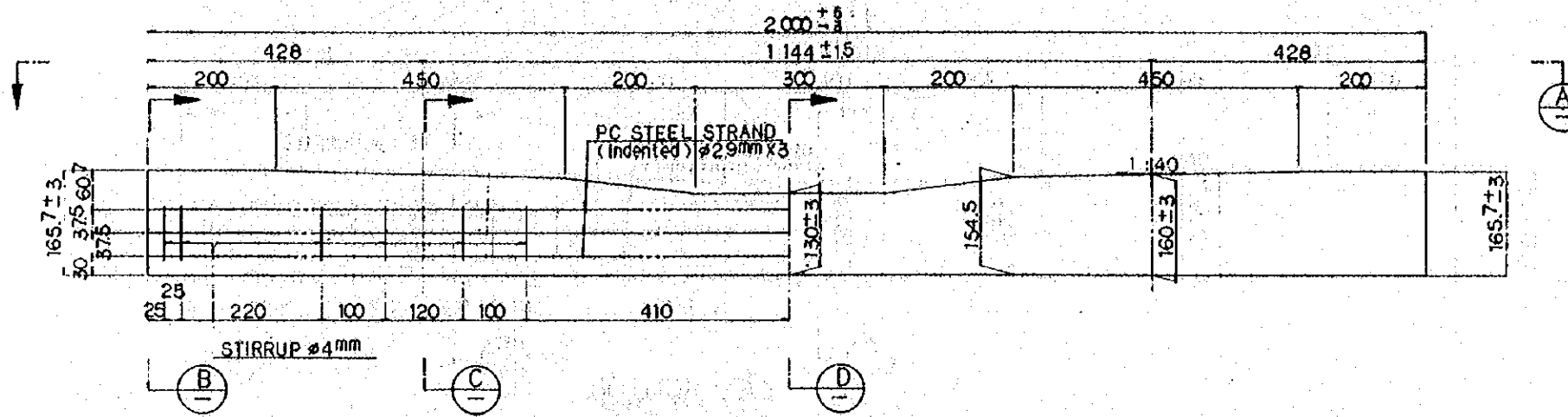
② CLAMP

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 88	M.K	M.K	K.M	M.K	
A	15 Feb 88	M.K	M.K	K.M	M.K	
CLAMP AND PARTS						
PACKAGE: II TRACK WORKS						
SCALE: 1:2		DRAWING NO: TR-006				

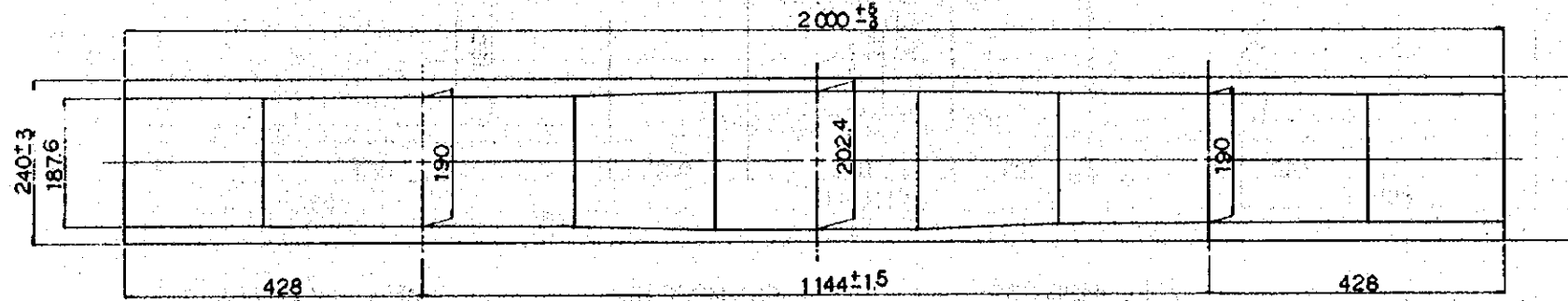
P-C SLEEPER

(STRAIGHT LINE)

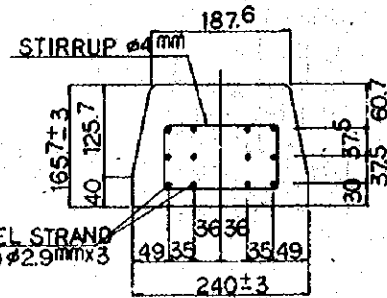
SIDE ELEVATION
SCALE 1:5



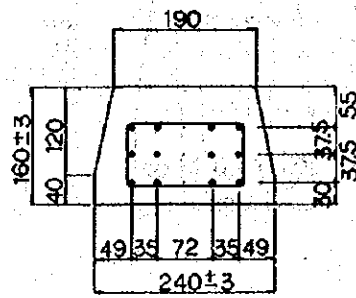
SECTION A
SCALE 1:5



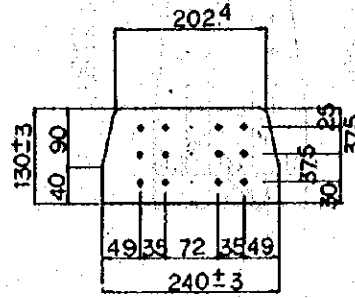
SECTION B



SECTION C



SECTION D

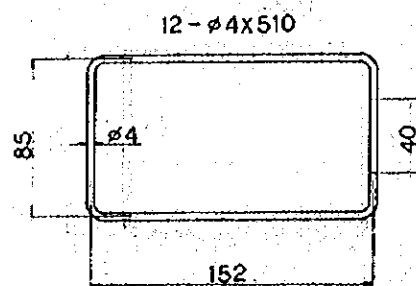


DESIGN CONDITION

AXLE LOAD	16 ton	
RAIL PRESSURE	8 ton	
TRACK GAUGE	1067 mm	
RAIL	R 54	
RAIL FASTENINGS	Elastic fastening	
TYPE OF METHODS	Pretension methods	
COMPRESSION STRENGTH (cylinder test)	Age of 28 days	500 kg/cm ² over
	Before prestressing	400 kg/cm ² over
PC STEEL STRAND WIRE (Indented) ϕ 2.9 mm x 3	Ultimate tensile strength	3,900 kg/cm ² over
	Yield point strength	3,450 kg/cm ² over
PRESTRESSING FORCE	Ordinary curing	2,930 kg/cm ² over
	Steam curing	3,155 kg/cm ² over

VOLUME OF CONCRETE : 0.068 m³
WEIGHT : 0.068 m³ x 2400 kg/m³ = 163 kg

STIRRUP
SCALE 1:2



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	CHECKED	APPROVED	SUBMITTED
B	1. AUG. 2005	S.O.	K.M.	K.M.	K.M.
A	15 FEB. 2005	S.O.	K.M.	K.M.	K.M.

DETAILS OF PRETENSION
P.C. SLEEPER FOR STRAIGHT
SECTION AND R \geq 800^M

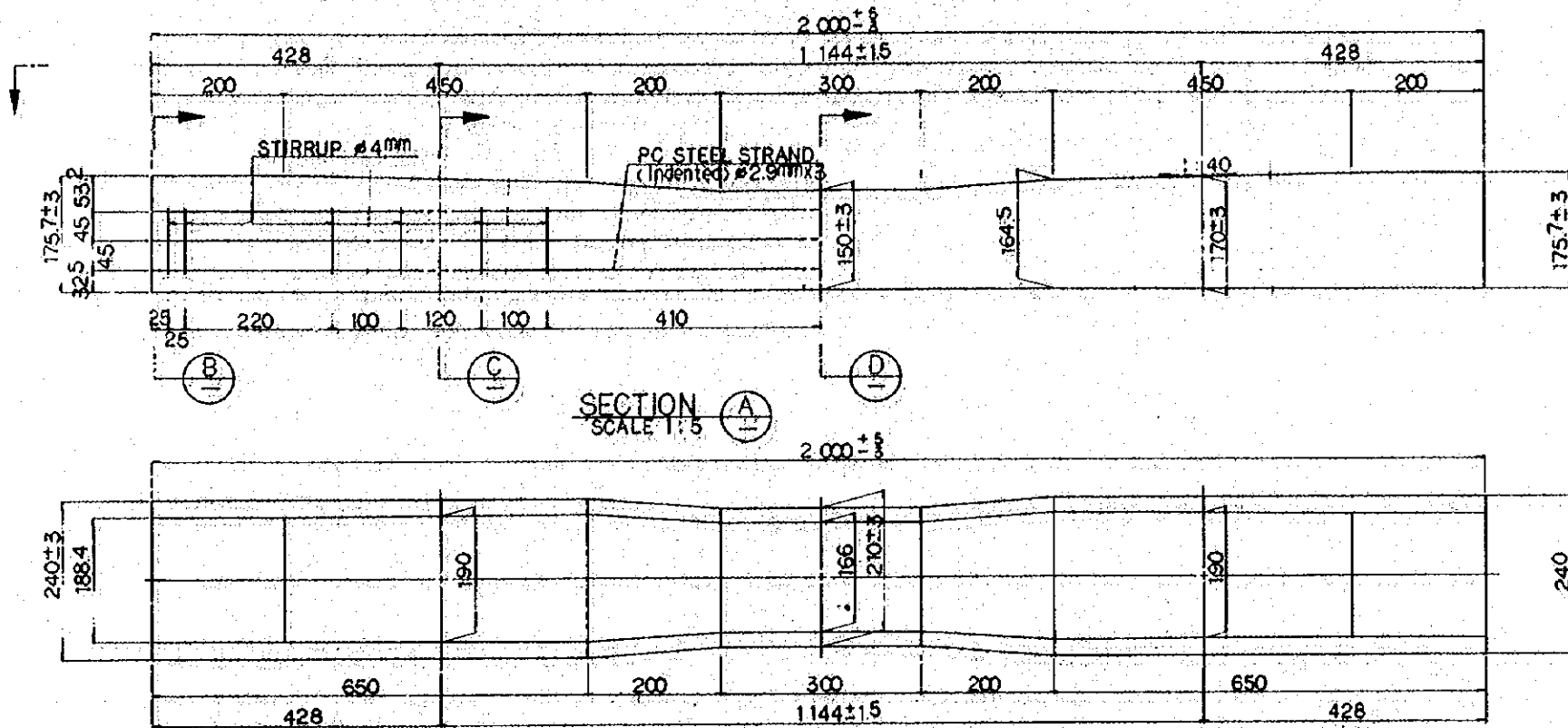
PACKAGE: E TRACK WORKS

SCALE 1:5
DRAWING NO. TS-001

P.C SLEEPER

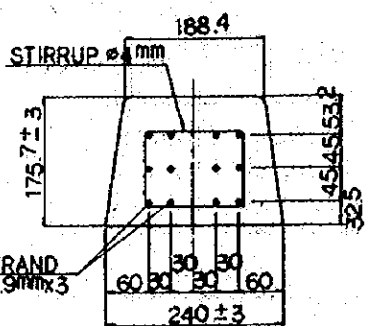
(CURVED SECTION : $800 > R \geq 500$)

SIDE ELEVATION
SCALE 1:5

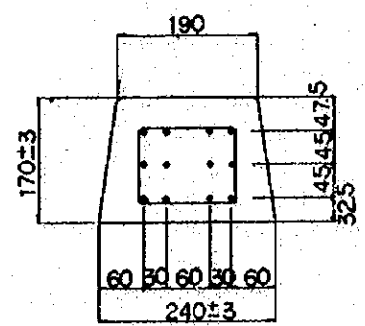


NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

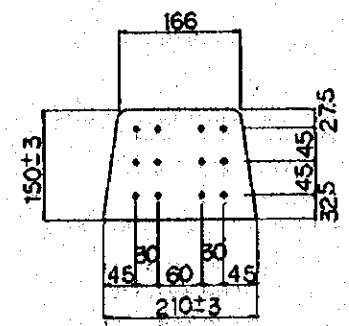
SECTION B
SCALE 1:5



SECTION C
SCALE 1:5



SECTION D
SCALE 1:5

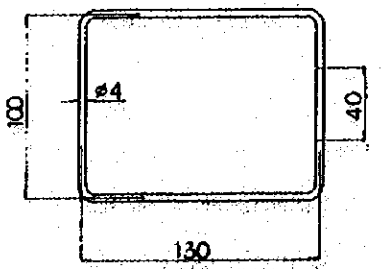


DESIGN CONDITION

AXLE LOAD	16 ton
RAIL PRESSURE	8 ton
LATERAL RAIL PRESSURE	Normal Abnormal
TRACK GAUGE	1067 mm
RAIL	R54
RAIL FASTENINGS	Elastic fastening
TYPE OF METHODS	Pretension methods
COMPRESSIVE STRENGTH (cylinder test)	Age of 28 days Before prestressing
PC STEEL STRAND WIRE (Indented) $\phi 2.9$ mm x 3	Ultimate tensile strength Yield point strength
Prestressing force	Ordinary curing Steam curing
	500 kg/cm ² over 400 kg/cm ² over 3 900 kg/one over 3 450 kg/one over 2 930 kg/one 3 155 kg/one

VOLUME OF CONCRETE : 0.070 m^3
WEIGHT : $0.070 \text{ m}^3 \times 2400 \text{ kg/m}^3 = 168 \text{ kg}$

STIRRUP
SCALE 1:2
12 - $\phi 4$ x 500



REPUBLIC OF INDONESIA
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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	5.0	5.0	Revised	K.M	M.K
A	1 FEB 87	5.0	5.0	Revised	K.M	M.K

REVISION	DATE	REASON	BY	CHECKED	REVIEWED	APPROVED

DETAILS OF PRETENSION P.C.
SLEEPER FOR CURVED SECTION:
 $800 > R \geq 500$, SLACK = 0 mm

PACKAGE: I TRACK WORKS

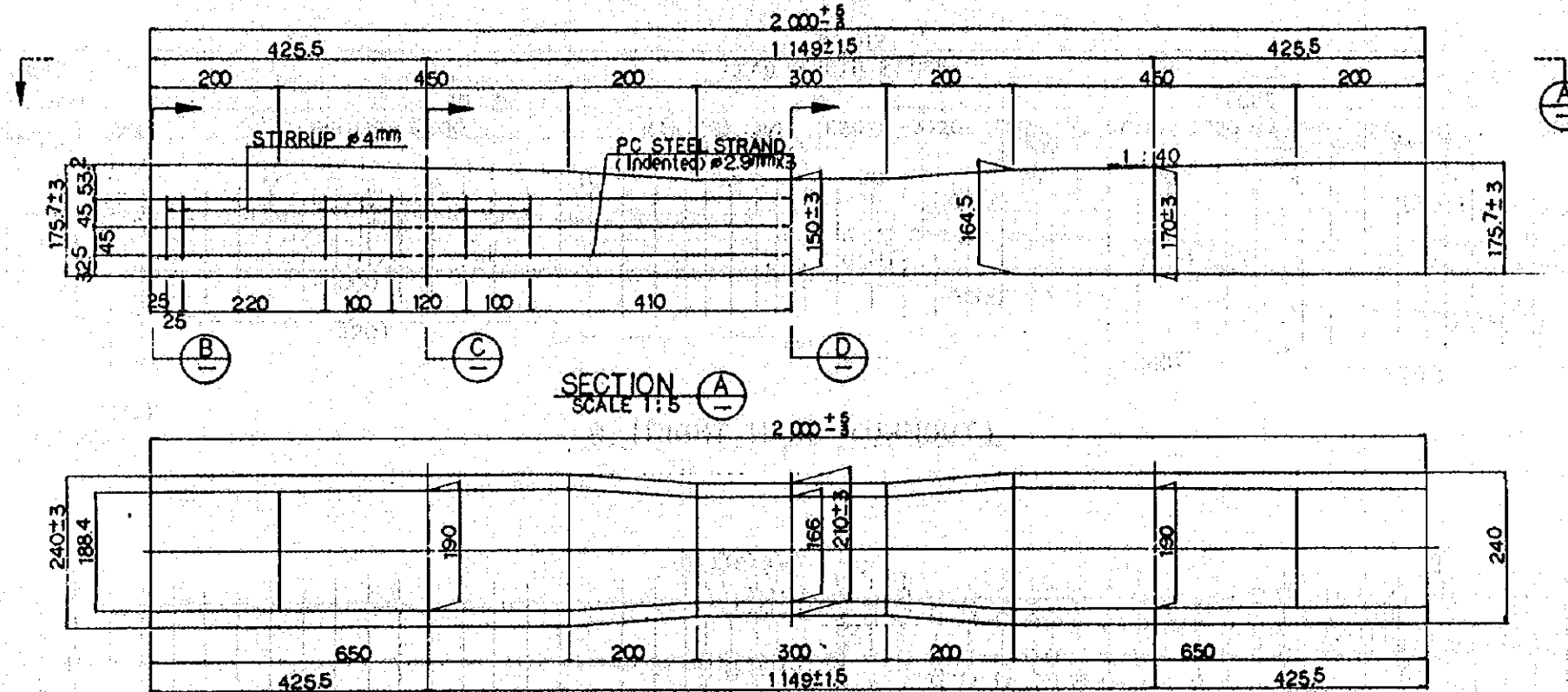
SCALE: 1:2
1:5

DRAWING NO: TS-002

P.C SLEEPER

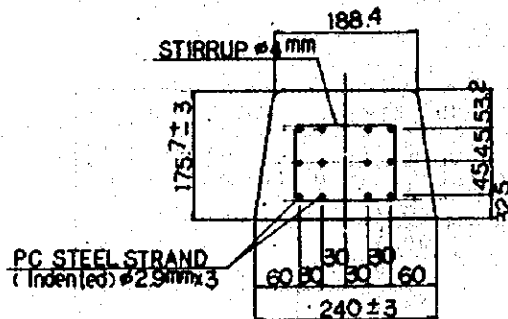
(CURVED SECTION : $500 > R \geq 300$)

SIDE ELEVATION
SCALE 1:5

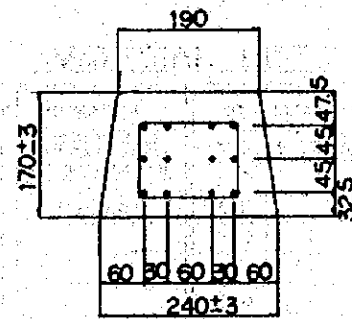


NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

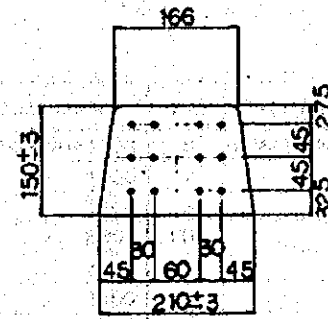
SECTION B
SCALE 1:5



SECTION C
SCALE 1:5



SECTION D
SCALE 1:5

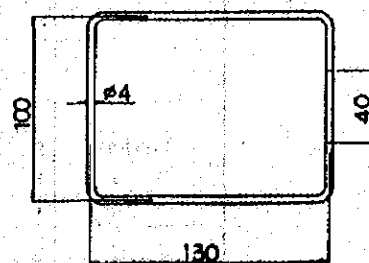


DESIGN CONDITION

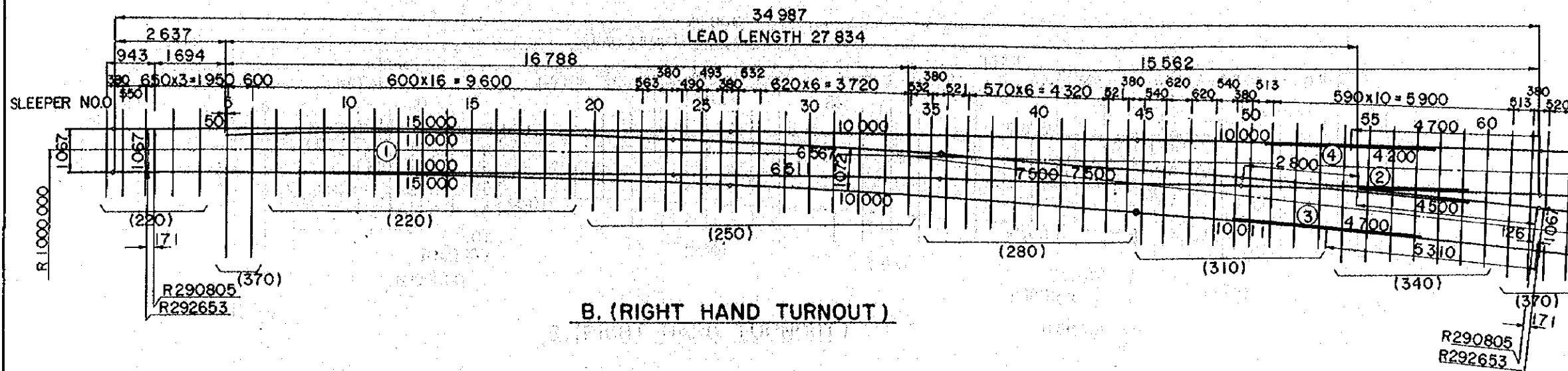
AXLE LOAD	16 ton
RAIL PRESSURE	8 ton
LATERAL RAIL PRESSURE	Normal
	Abnormal
TRACK GAUGE	1067 mm
RAIL	R 54
RAIL FASTENINGS	Elastic fastening
TYPE OF METHODS	Pretension methods
COMPRESSIVE STRENGTH (cylinder test)	Age of 28 days
	Before prestressing
PC STEEL STRAND WIRE (Indented) $\phi 2.9$ mm x 3	Ultimate tensile strength
	Yield point strength
Prestressing force	Ordinary curing
	Steam curing

VOLUME OF CONCRETE : 0.070 m^3
WEIGHT : $0.070 \text{ m}^3 \times 2400 \text{ kg/m}^3 = 168 \text{ kg}$

STIRRUP
SCALE 1:2
12 - $\phi 4 \times 500$

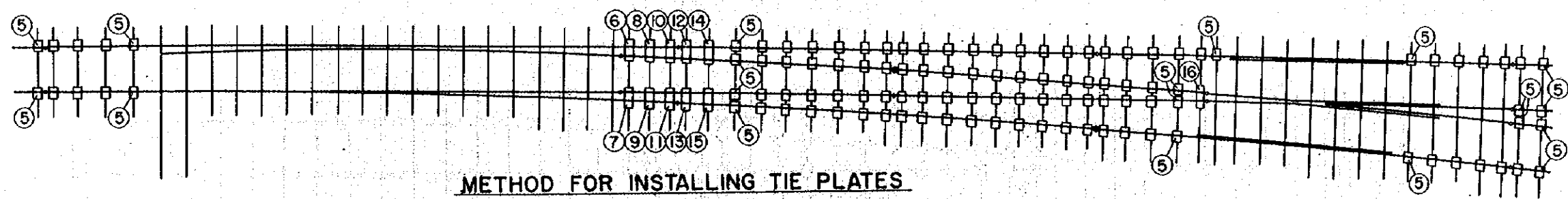


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REV	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
B	1. AUG. 84	S.O.	S.O.	W. M. A. K.	W. M. A. K.
A	15 FEB. 84	S.O.	S.O.	W. M. A. K.	W. M. A. K.
DETAILS OF PRETENSION P.C. SLEEPER FOR CURVED SECTION: $500 > R \geq 300$, SLACK = 5 mm					
PACKAGE : 3 TRACK WORKS					
SCALE	1:2	DRAWING NO.			
	1:5	TS-003			



B. (RIGHT HAND TURNOUT)

NOTE :
 ORDINARY JOINT 6^{MM}
 INSULATED JOINT 6^{MM}
 ALL DIMENSIONS ARE SHOWN
 IN MILLIMETERS UNLESS
 OTHERWISE INDICATED.



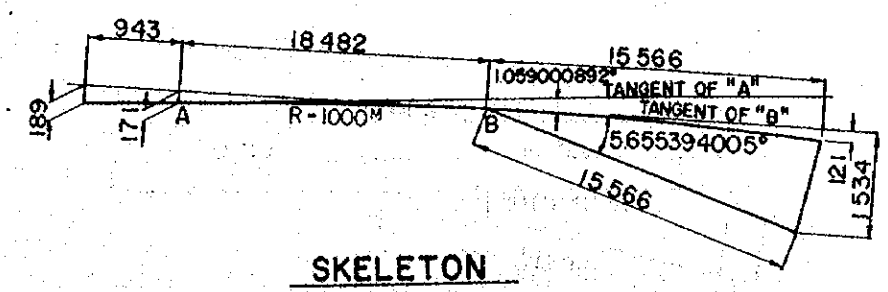
METHOD FOR INSTALLING TIE PLATES

A. (LEFT HAND TURNOUT)

SYMMETRICAL WITH B

MATERIAL LIST

NO.	DESCRIPTION	DIMENSION	QTY	REMARKS	NO.	DESCRIPTION	DIMENSION	QTY	REMARKS
1	SWITCH	11 000	1	USE SECTION A OF POINT RAIL IN CASE OF THE U.I.C.54 RAIL	370	SLEEPER	230x140x3 700	6	WOODEN MATERIAL
2	MANGANESE FROG	M=2 800, N=4 500	1		340	"	" 3 400	7	
3	CHECK RAIL	4 700	1	R54 RAIL	310	"	" 3 100	9	
4	"	4 200	1	"	280	"	" 2 800	10	
5	TIE PLATE	200x19x265	110		250	"	" 2 500	15	
6	"	" 470	1		220	"	" 2 200	18	
7	"	" 475	1						
8	"	" 485	1						
9	"	" 490	1						
10	"	" 500	1						
11	"	" 505	1						
12	"	" 515	1						
13	"	" 520	1						
14	"	" 535	1						
15	"	" 540	1						
16	"	" 465	1						
	FISH PLATE		28						
	FISH BOLT & NUT		84						
	SCREW SPIKE		782						
	INSULATED JOINT		2						
	LEAD RAIL	7 500	2	R54 RAIL					
	"	6 567	1	"					
	"	6 811	1	"					
	MAIN RAIL	10 000	3	"					



SKELETON

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

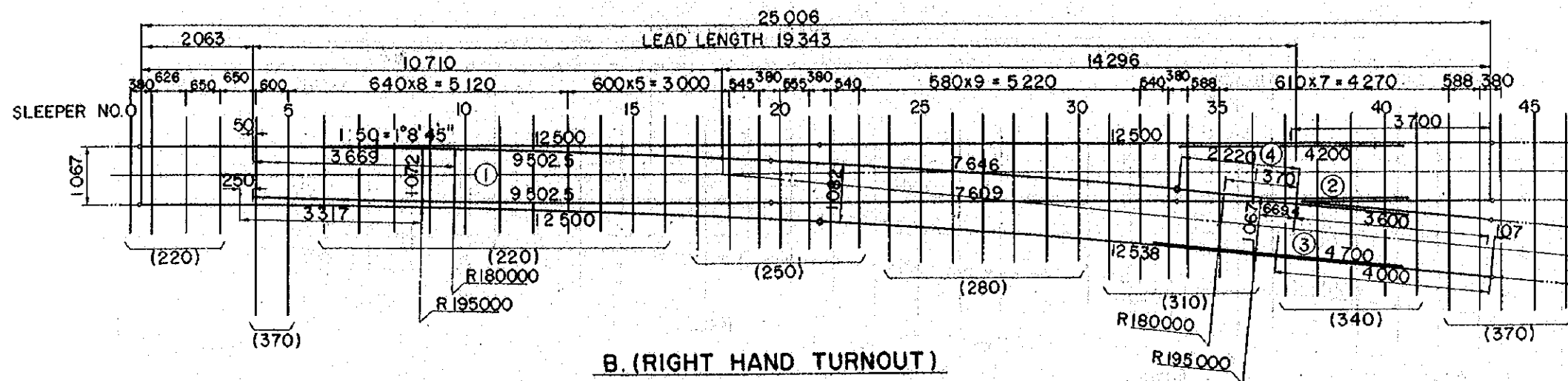
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 AUG 84	M.K	M.K	K.M	M.K
A	15 Feb 84	M.K	M.K	K.M	M.K

REVISIONS: DATE, DRAWN, CHECKED, REVISION, SUBMITTED

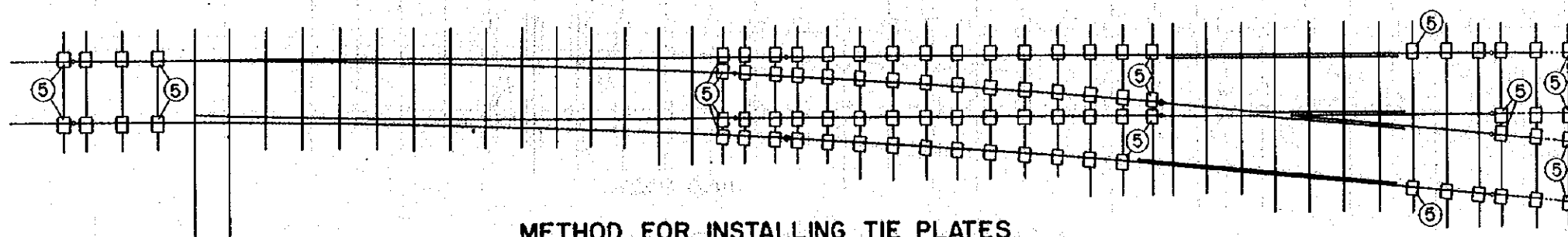
1:12 CURVED TRACK TURNOUT FOR INNER DIRECTION FOR R54 RAIL

PROGRAM: I TRACK WORKS
 SCALE: 1:60 DRAWING NO: TT-002



B. (RIGHT HAND TURNOUT)

NOTE :
 ORDINARY JOINT 6^{MM}
 INSULATED JOINT 6^{MM}
 ALL DIMENSIONS ARE SHOWN
 IN MILLIMETERS UNLESS
 OTHERWISE INDICATED.



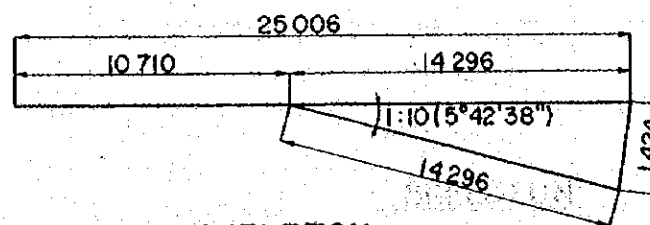
METHOD FOR INSTALLING TIE PLATES

MATERIAL LIST

NO.	DESCRIPTION	DIMENSION	Q'TY	REMARKS	NO.	DESCRIPTION	DIMENSION	Q'TY	REMARKS
1	SWITCH	9 502.5	1	USE SECTION A OF POINT RAIL IN CASE OF THE ULC54 RAIL	370	SLEEPER	230x140x3700	7	WOODEN MATERIAL
2	MANGANESE FROG	M=2200, N=3600	1		340	"	"	3400	5
3	CHECK RAIL	4700	1	R54 RAIL	310	"	"	3100	6
4	"	4200	1	"	280	"	"	2800	7
5	TIE PLATE	200x19x265	85	"	250	"	"	2500	7
	FISHPLATE		20	"	220	"	"	2200	15
	FISH BOLT & NUT		60						
	SCREW SPIKE		580						
	INSULATED JOINT		2						
	LEAD RAIL	7 646	1	R54 RAIL					
	"	7 609	1	"					
	MAIN RAIL	12 638	1	"					
	"	12 800	1	"					

A. (LEFT HAND TURNOUT)

SYMMETRICAL WITH B



SKELETON

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

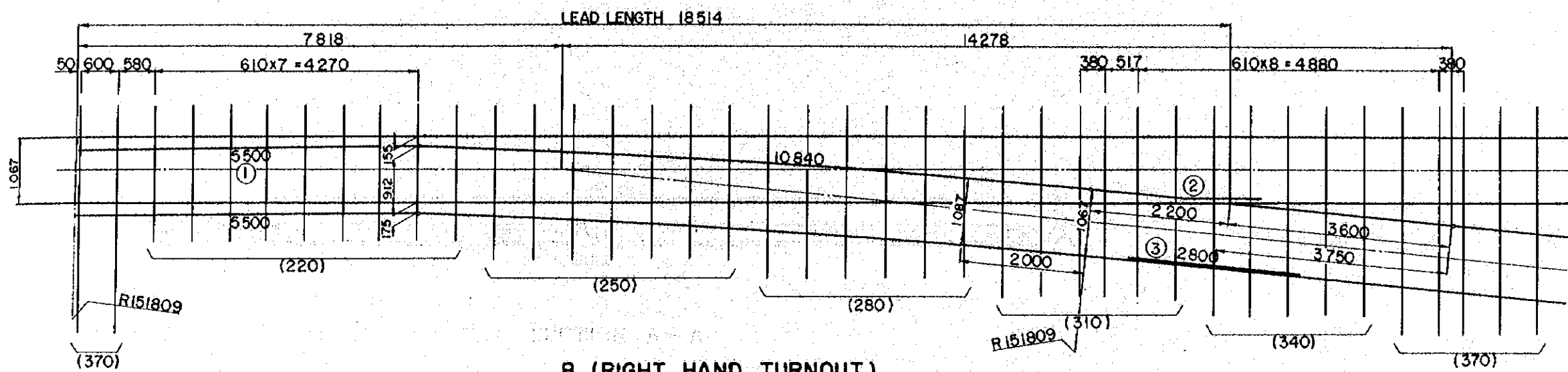
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

3	1. AUG. 84	M.K.	M.K.	K.M.	K.M.
A	15 Feb. '84	M.K.	M.K.	K.M.	K.M.

REVISIONS DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

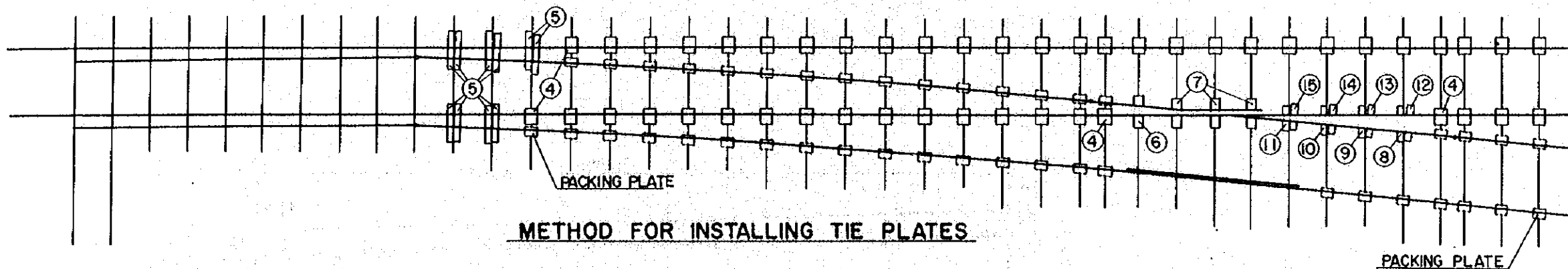
1:10 SIMPLE TURNOUT
 FOR R54 RAIL

PACKAGE: I TRACK WORKS
 SCALE: 1:50 DRAWING NO: TT-003



B. (RIGHT HAND TURNOUT)

NOTE:
 ORDINARY JOINT 6^{MM}
 ALL DIMENSIONS ARE SHOWN
 IN MILLIMETERS UNLESS
 OTHERWISE INDICATED.



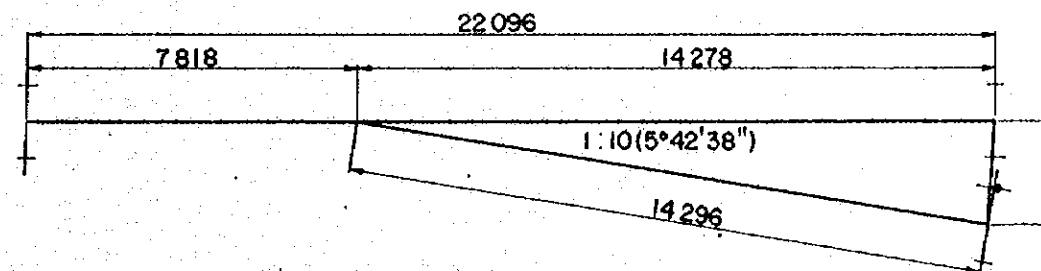
METHOD FOR INSTALLING TIE PLATES

MATERIAL LIST

NO.	DESCRIPTION	DIMENSION	Q'TY	REMARKS	NO.	DESCRIPTION	DIMENSION	Q'TY	REMARKS
1	SWITCH	5 500	1	R54 RAIL	370	SLEEPER	230x140x3 700	7	WOODEN MATERIAL
2	FROG	M=2 200, N=3 600	1		340		3 400	5	
3	CHECK RAIL	2 800	1		310		3 100	6	
4	TIE PLATE	200x19x265	47		280		2 800	6	
5		100x19x650	10		250		2 500	7	
6		150x19x550	1		220		2 200	9	
7		500	3						
8		100x19x550	1						
9		490	1						
10		430	1						
11		370	1						
12		430	1						
13		370	1						
14		310	1						
15		250	1						
	FISHPLATE		4						
	FISH BOIT & NUT		12						
	SCREW SPIKE		358						
	LEAD RAIL	10 840	1	R54 RAIL					

A. (LEFT HAND TURNOUT)

DRAWING OMITTED
 SYMMETRICAL WITH B



SKELETON

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

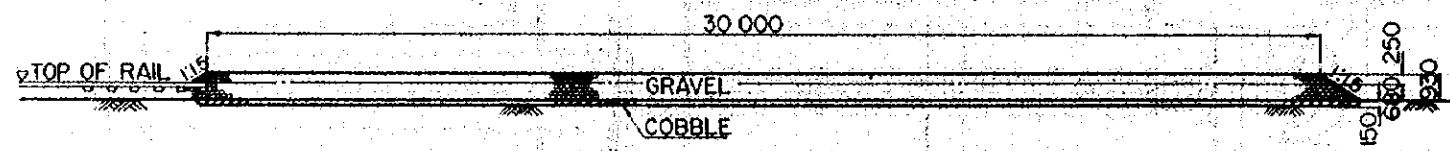
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

B	1. Aug. 89	M.K.	M.K.	K.M.	M.K.
A	15 Feb. 89	M.K.	M.K.	K.M.	M.K.

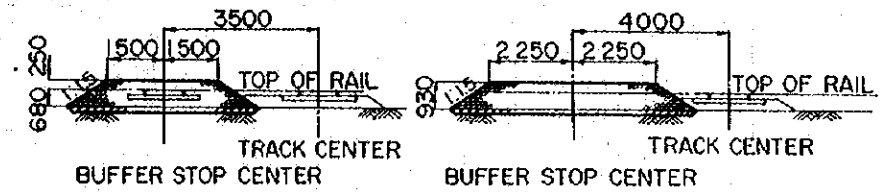
REVISIONS: DATE, PREPARED, CHECKED, REVIEWED, APPROVED

1:10 RUN OVER TYPE TURNOUT
 FOR R54 RAIL

PACKAGE: II TRACK WORKS
 SCALE: 1:40 DRAWING NO: TT-004



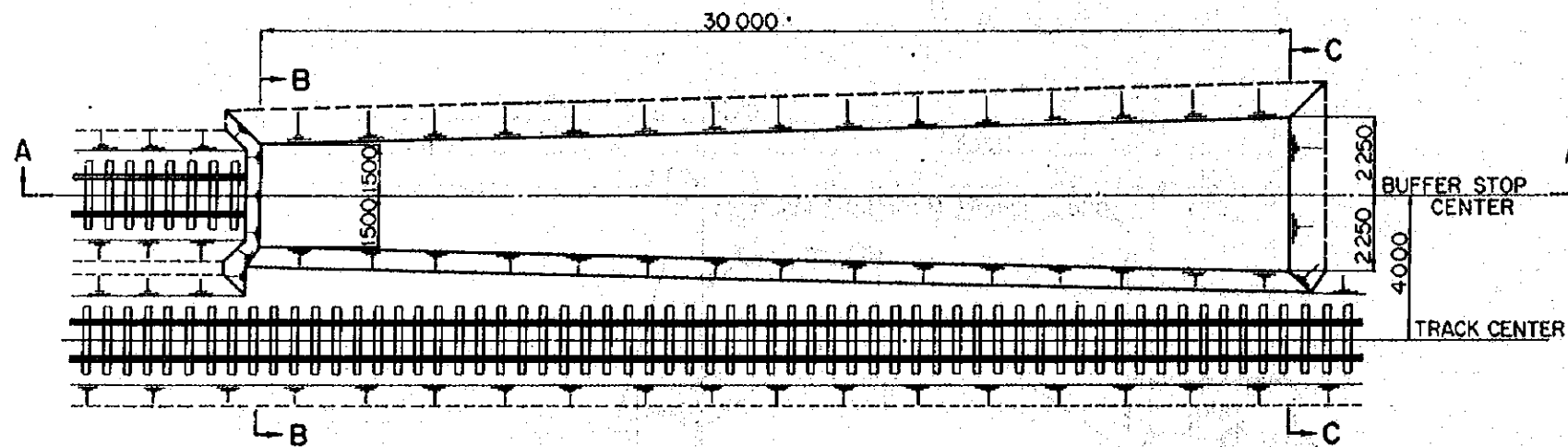
SECTION A - A



SECTION B - B

SECTION C - C

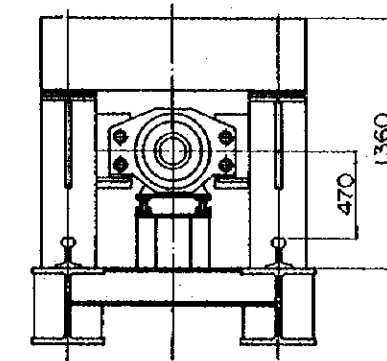
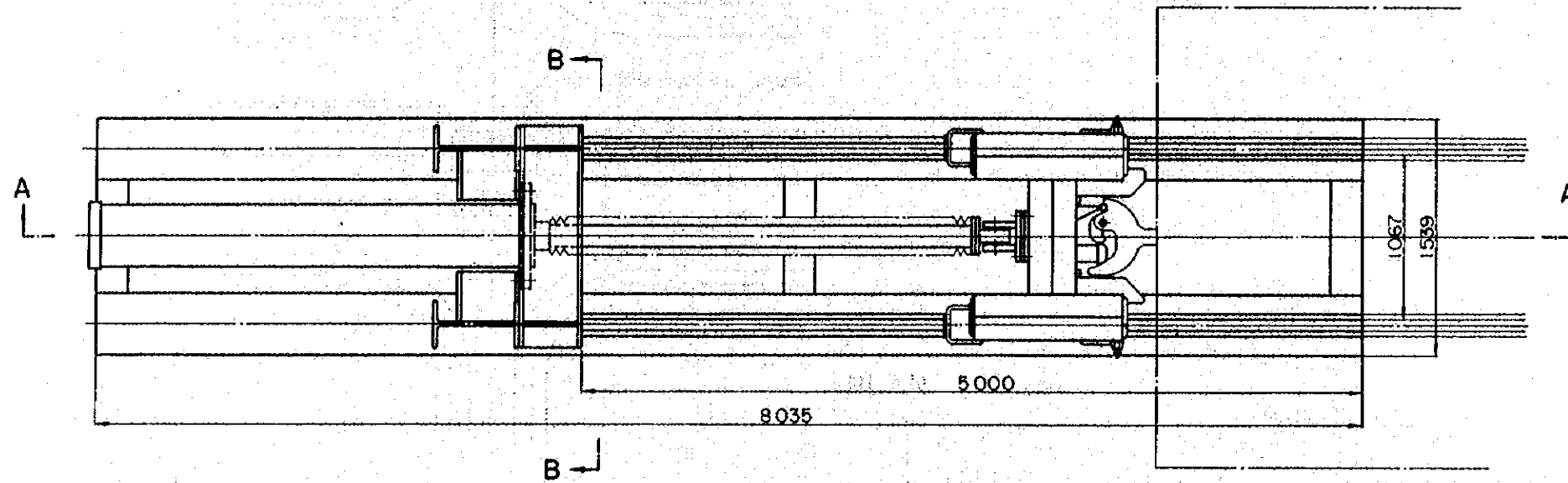
NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.



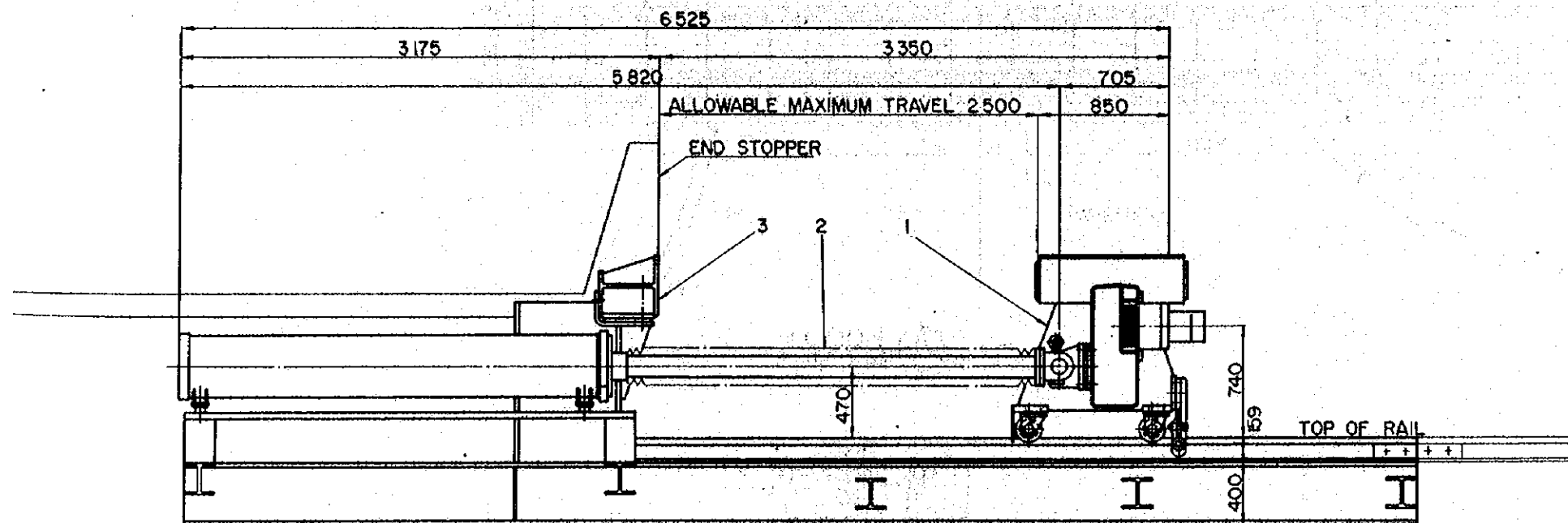
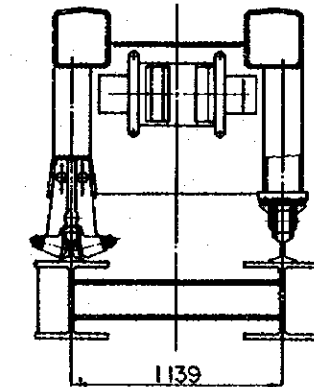
PLAN

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	I.T.	T.N.	I.M.	K.M.	A.K.
A	15. FEB. 84	I.T.	T.N.	I.M.	K.M.	A.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
DETAILS OF SAND DRAG BUFFER STOP						
PACKAGE: I TRACK WORK						
SCALE		DRAWING NO.				
1:100		TB-001				

REF. NO.	DESCRIPTION	DRG. NO.	MATERIAL	PCS. SET	WEIGHT	REMARKS	REV. MARK
1	GUIDING GEAR		ASSY	1			
2	HYDRAULIC DAMPER		"	1			
3	STOPPER BASE		"	1			



SECTION B-B

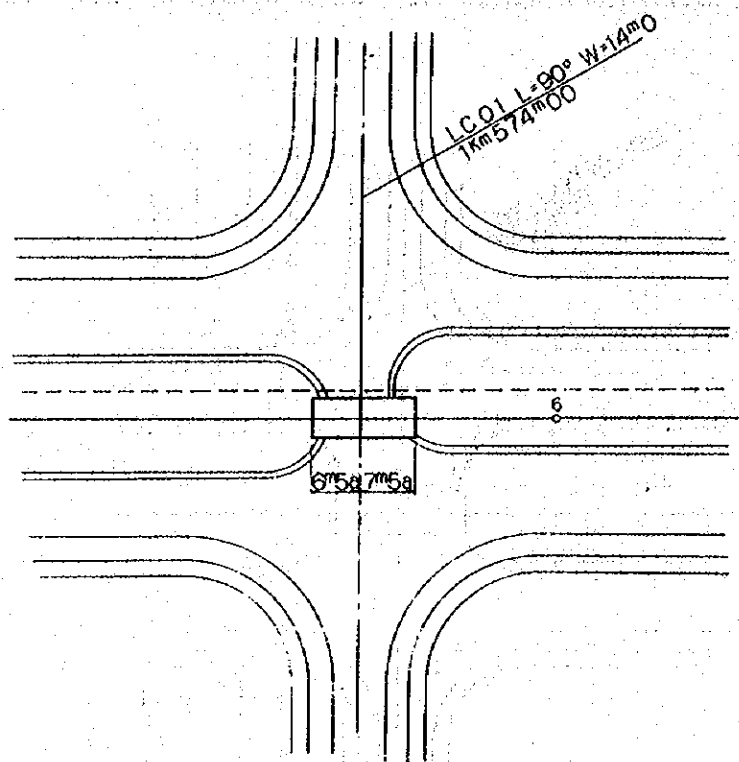


SECTION A-A

NOTE:

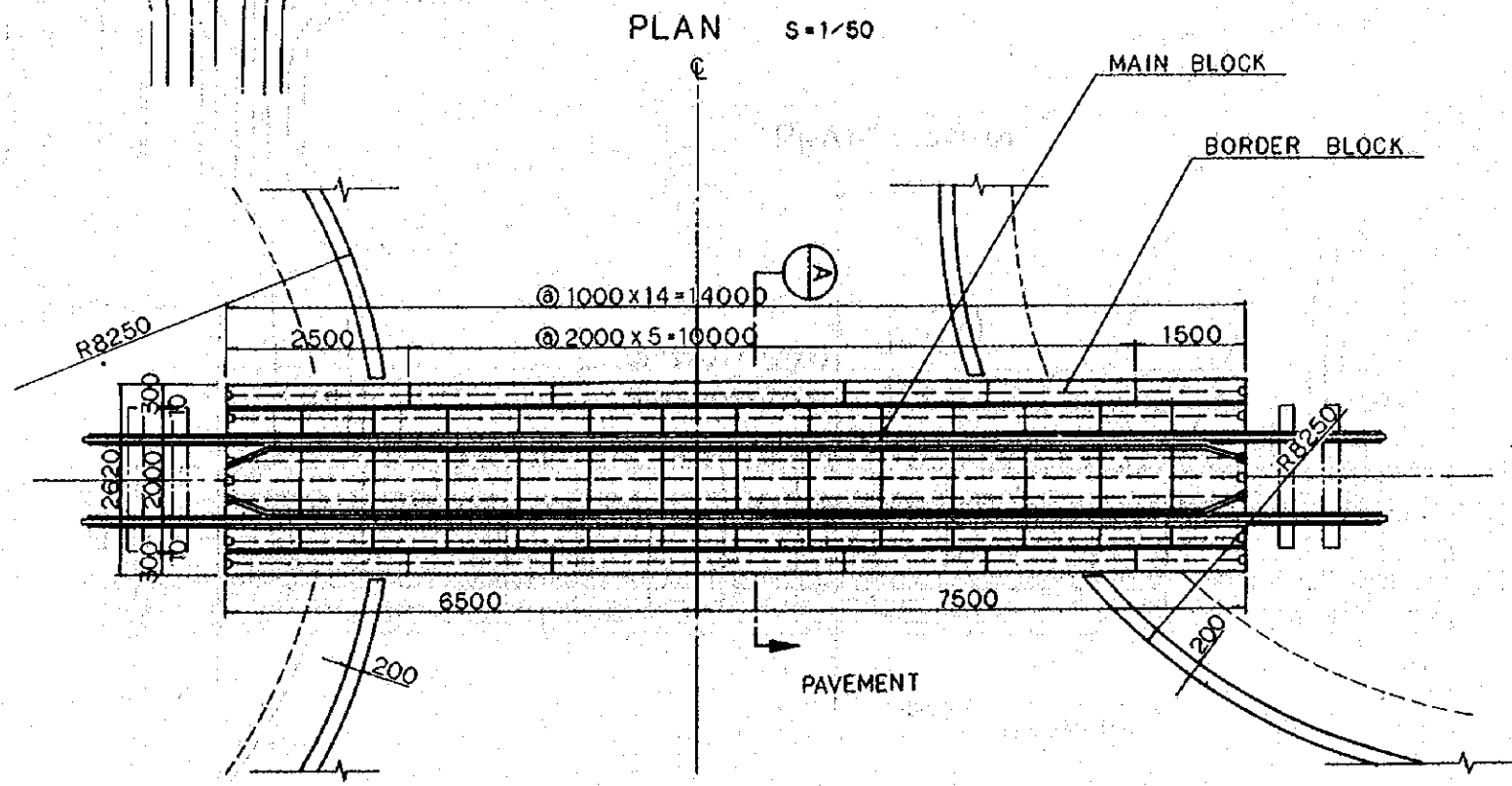
ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED.

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 AUG 84	T.T	T.N	I.M	K.M
A	15 FEB 84	T.T	T.N	I.M	K.M
REVISIONS	DATE	DESIGNED	CHECKED	REVISED	SUBMITTED
DETAIL OF HYDRAULIC DAMPER TYPE BUFFER STOP					
PACKAGE: I TRACK WORK					
SCALE: 1:20		DRAWING NO: TB-002			

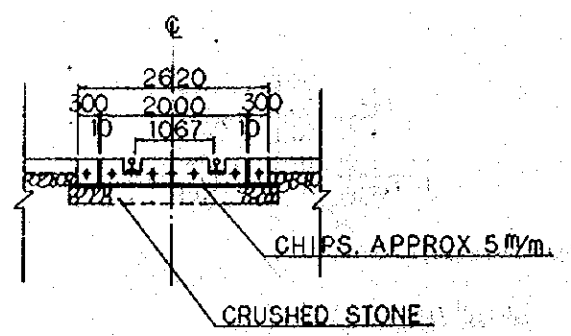


LOCATION
LOCATION

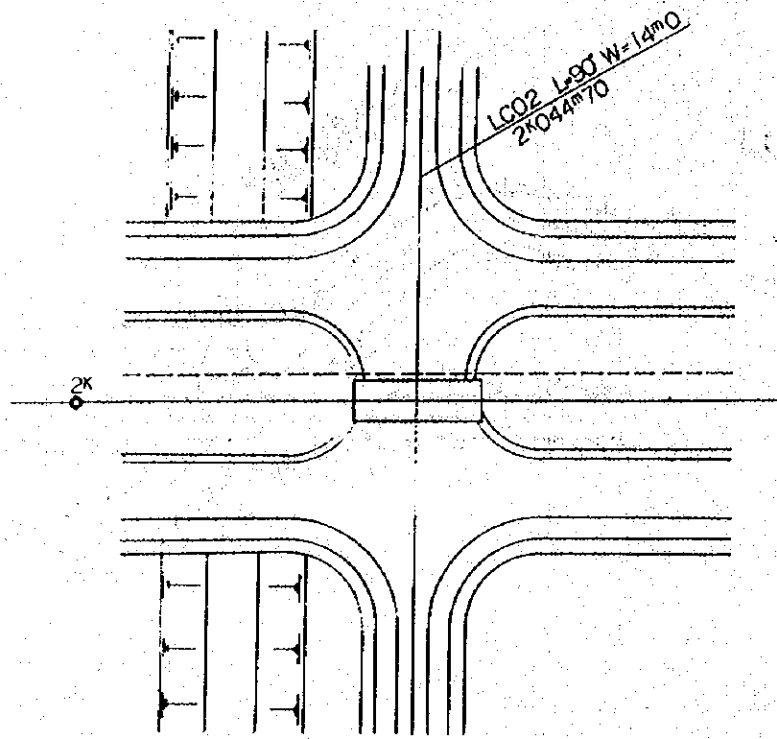
NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.



SECTION A
SCALE 1:50

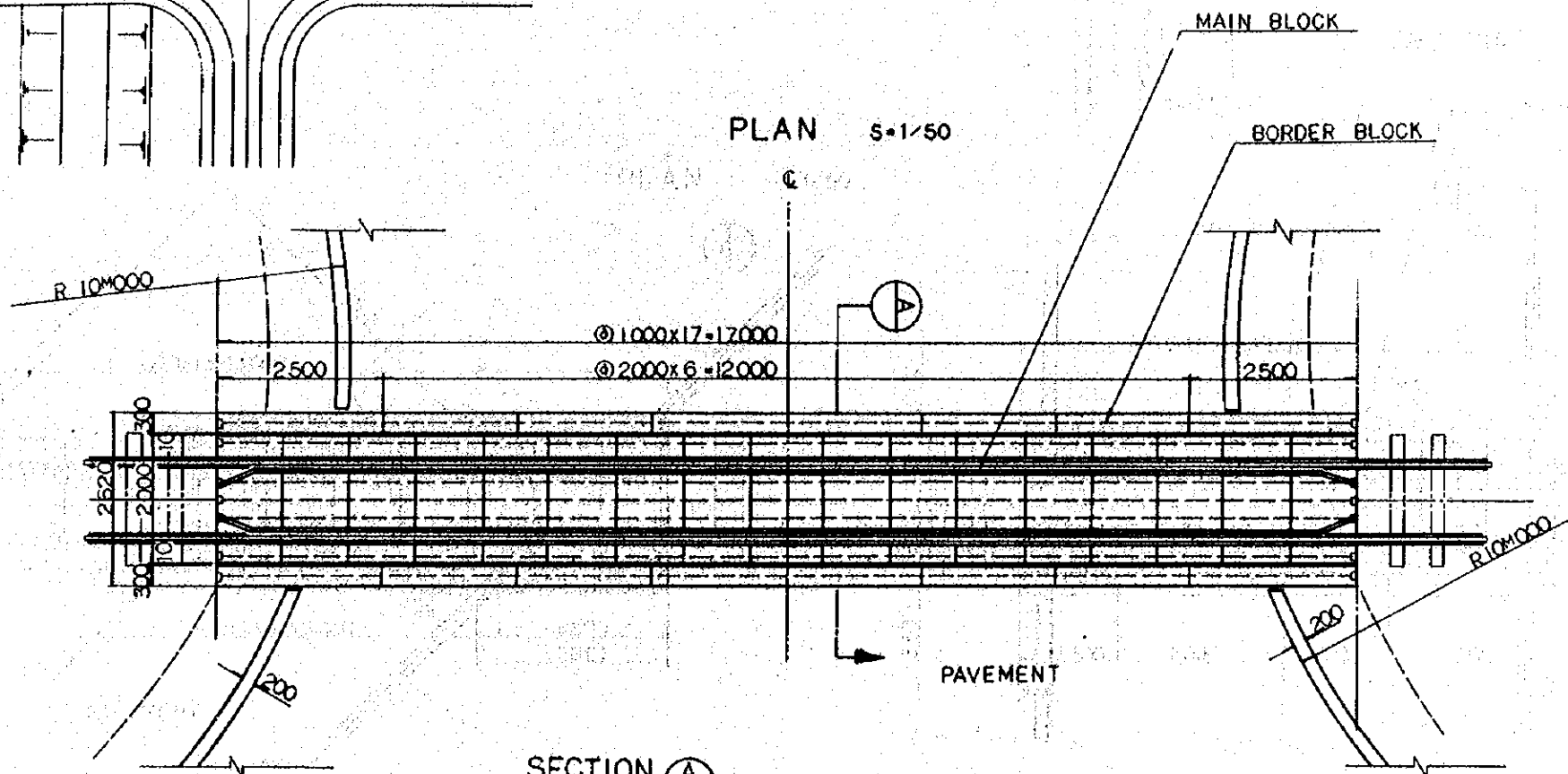


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1. AUG. 88	T.T.	T.H.	Supervisor	K.M.	in K.
A	15 Feb 88	K. M. J. J.	K. M. J. J.	K. M. J. J.	K. M. J. J.	K. M. J. J.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
LEVEL CROSSING PAVEMENT NO.01 1K574M00						
PACKAGE: I TRACK WORK						
SCALE	DRAWING NO.					
1:50	TC-001					

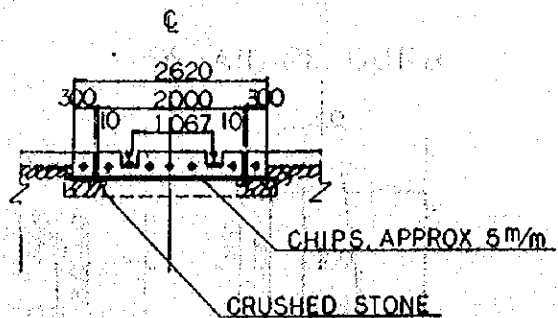


LOCATION

PLAN 5=1/50

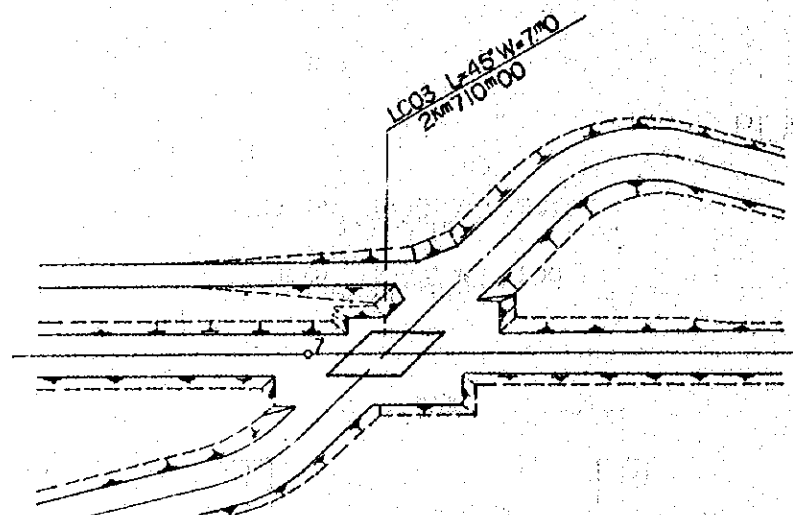


SECTION A
SCALE 1:50

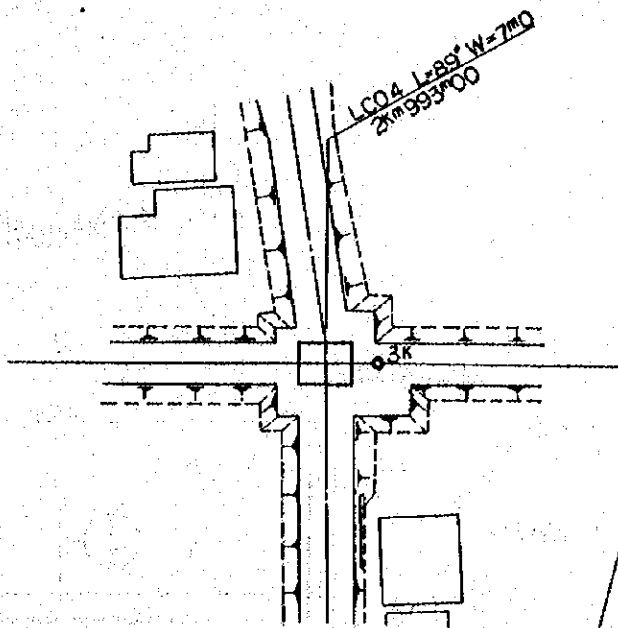


NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

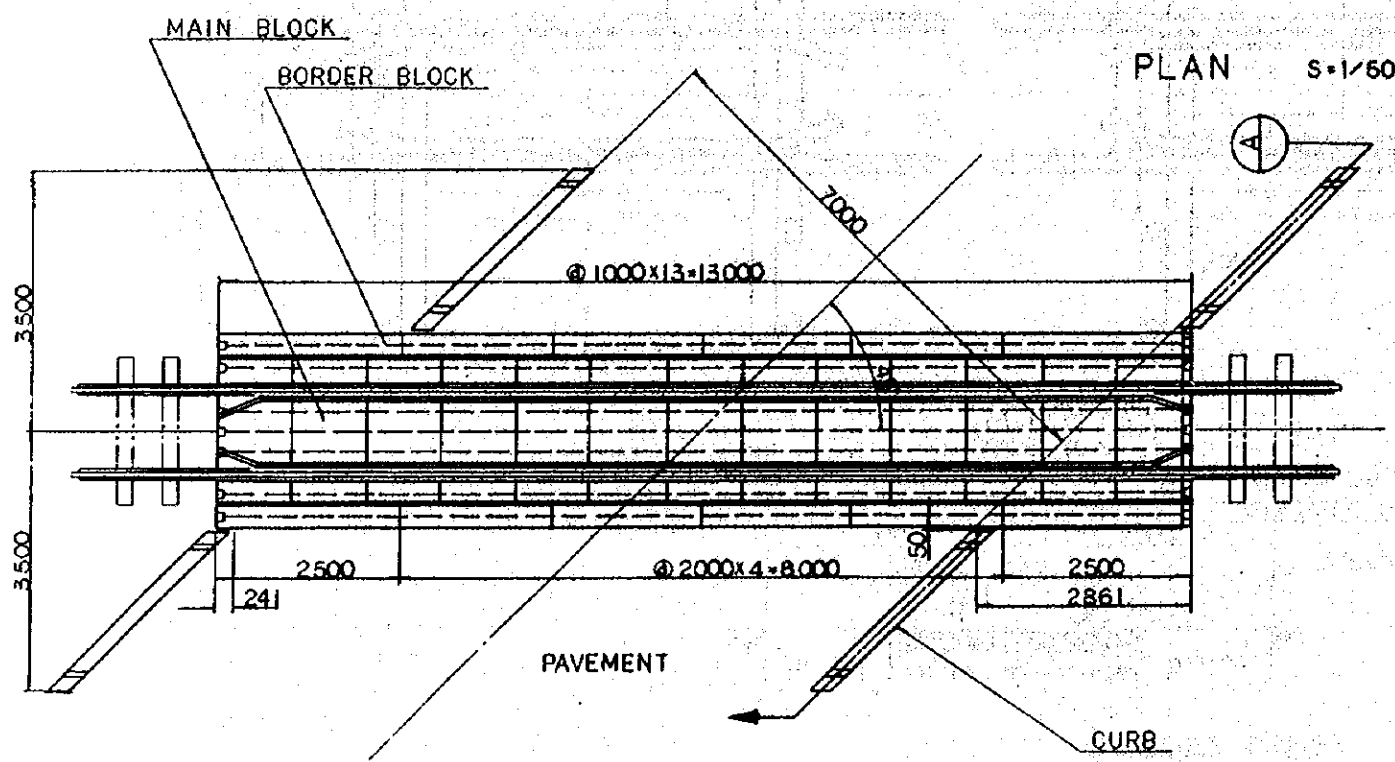
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1.09.89	T.T	T.H.	K.M	M.K	
A	15.08.88	K.M	K.M	K.M	M.K	
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	EXTENDED	SUBMITTED
LEVEL CROSSING PAVEMENT NO,02 2x044M70						
PACKAGE: I TRACK WORKS						
SCALE		DRAWING NO.				
1:50		TC-002				



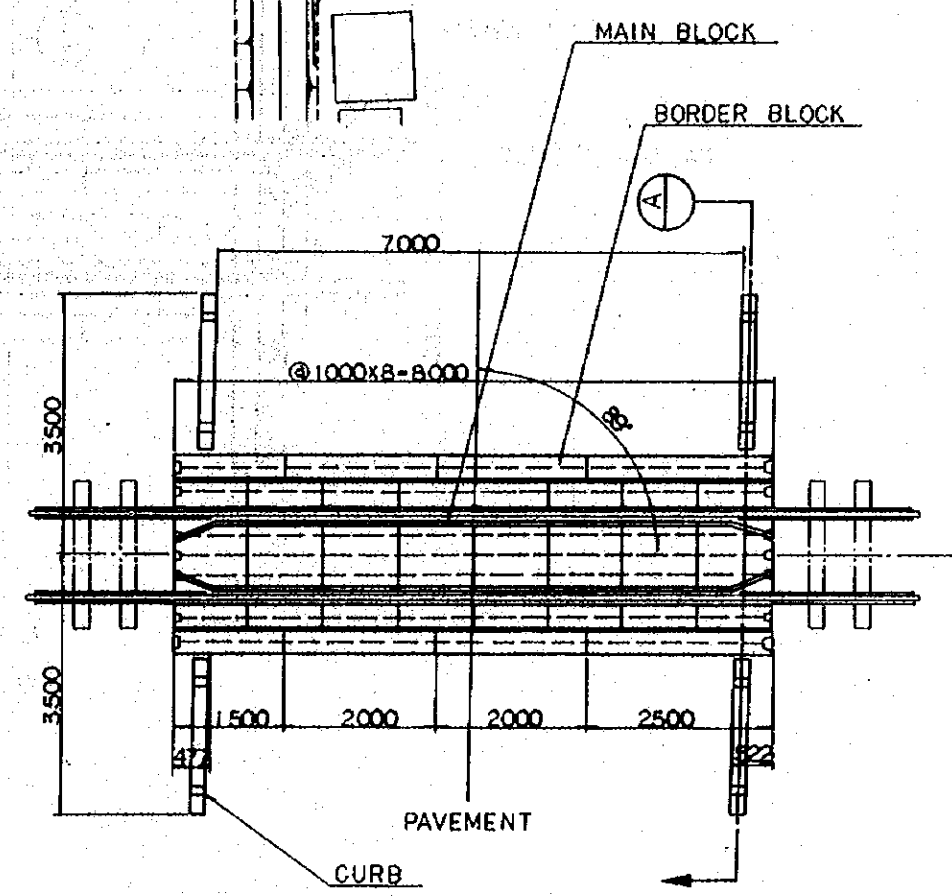
LOCATION



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

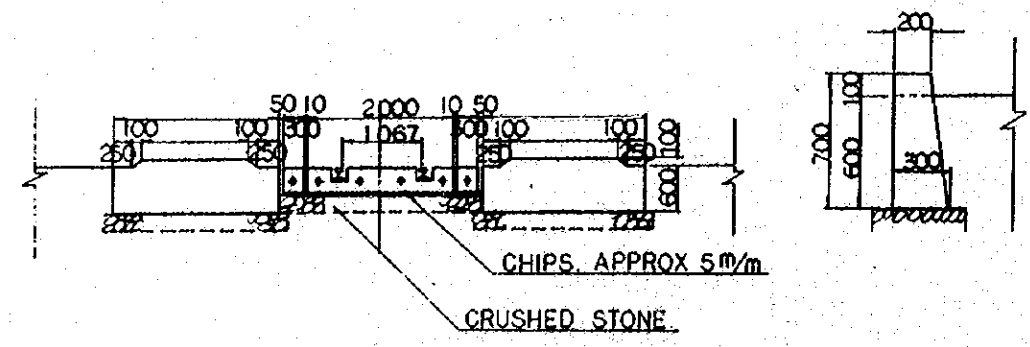


SECTION A-A
SCALE: 1:50



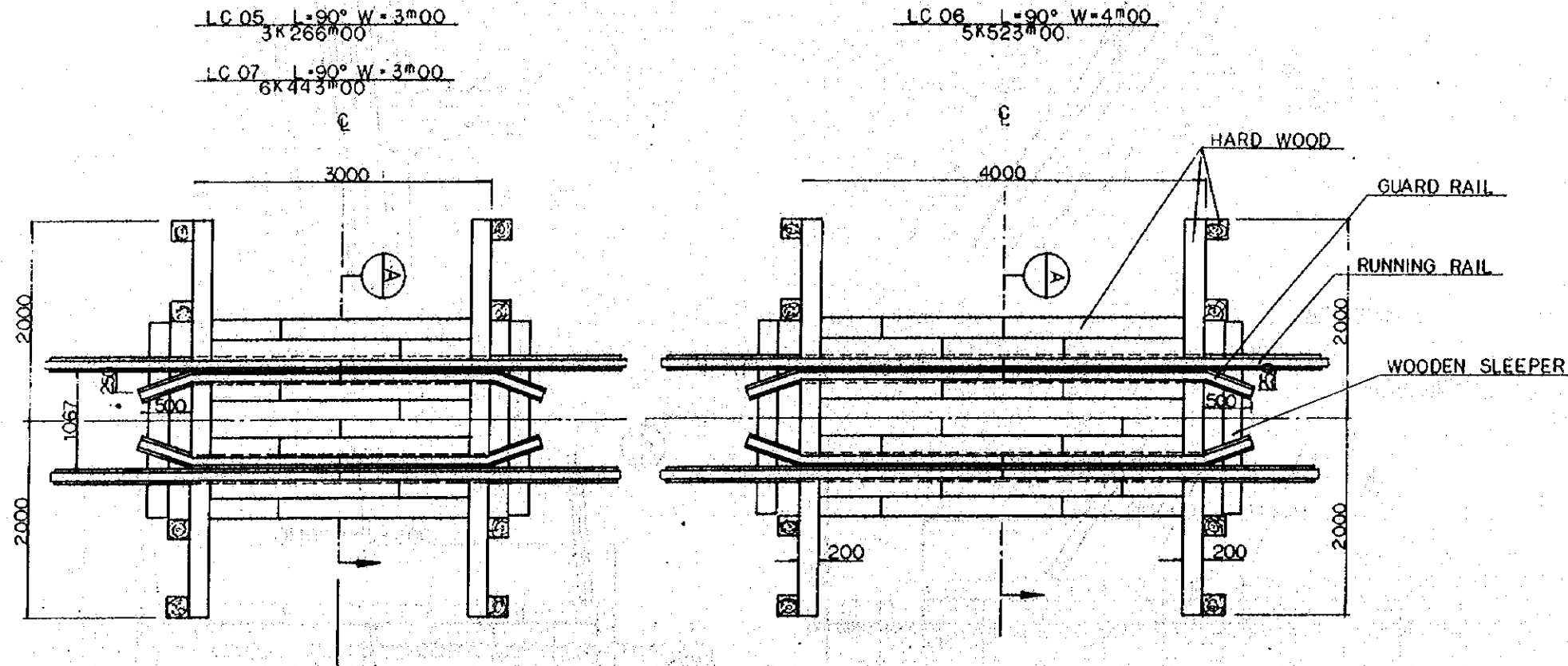
S=1/20

DETAIL OF CURB

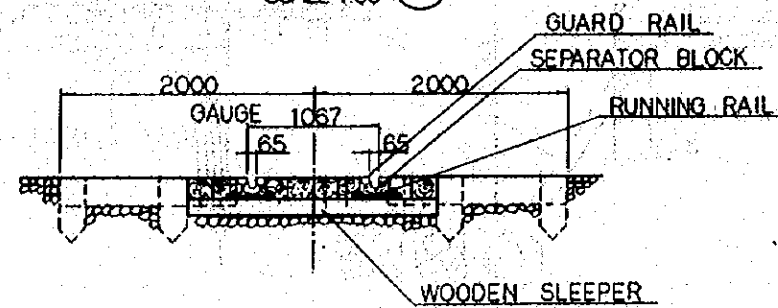


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1.10.93	T.T.	T.A.	K.M.	K.K.
A	1.10.93	K.M.	K.K.	K.M.	K.K.
REVISION	DATE	DESIGNED	CHECKED	APPROVED	SUBMITTED
LEVEL CROSSING PAVEMENT					
NO.03		2K710M00			
NO.04		2K993M00			
PACKAGE: II TRACK WORKS					
SCALE	1:20	DRAWING NO.			
	1:50	TC-003			

PLAN S=1/30



SECTION A
SCALE 1:30



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)

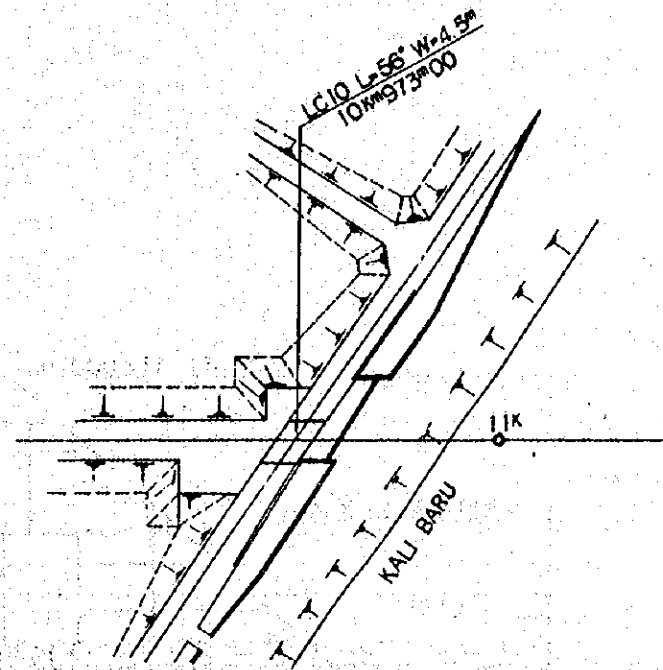
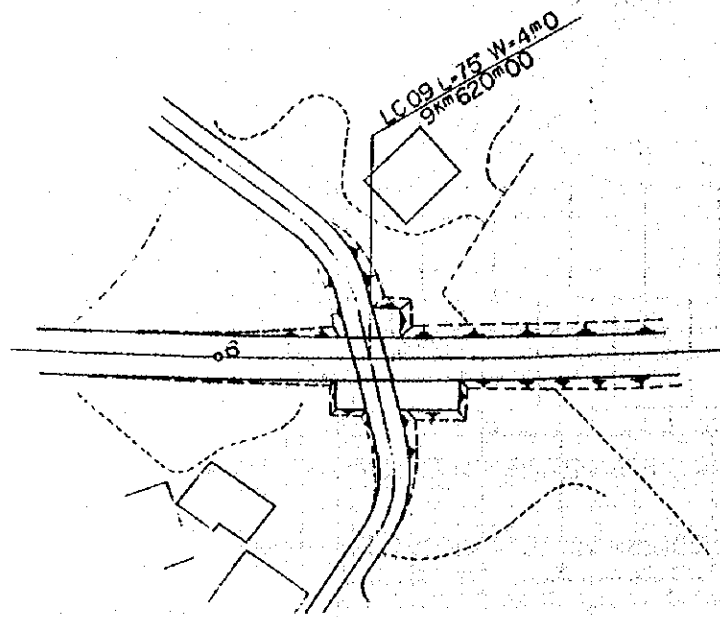
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	SUBMITTED
B	1 AUG 01	T.T.	T.H.	K.M.	K.K.	
A	15 FEB 01	K.M.	T.H.	K.M.	K.K.	

LEVEL CROSSING PAVEMENT	
NO.05	3K266M00
NO.06	5K523M00
NO.07	6K443M00

PACKAGE: I TRACK WORKS

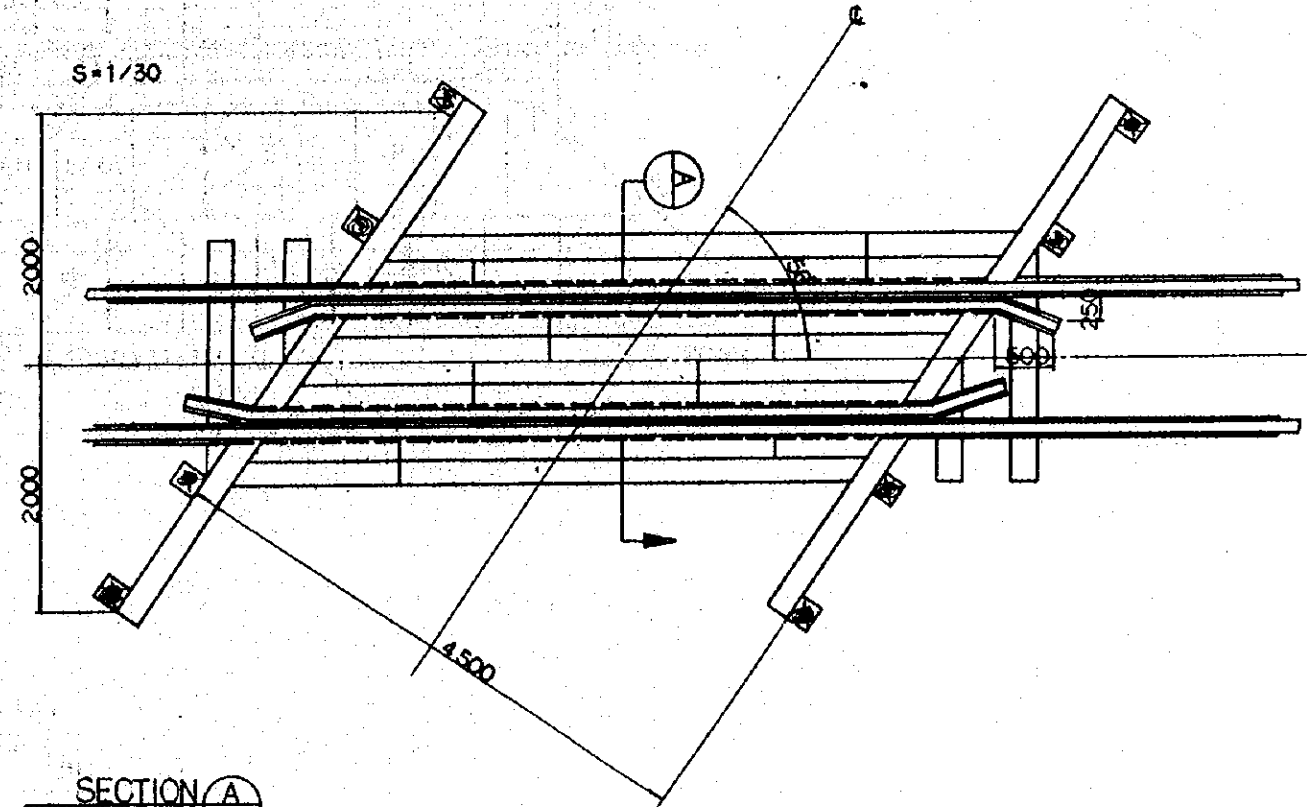
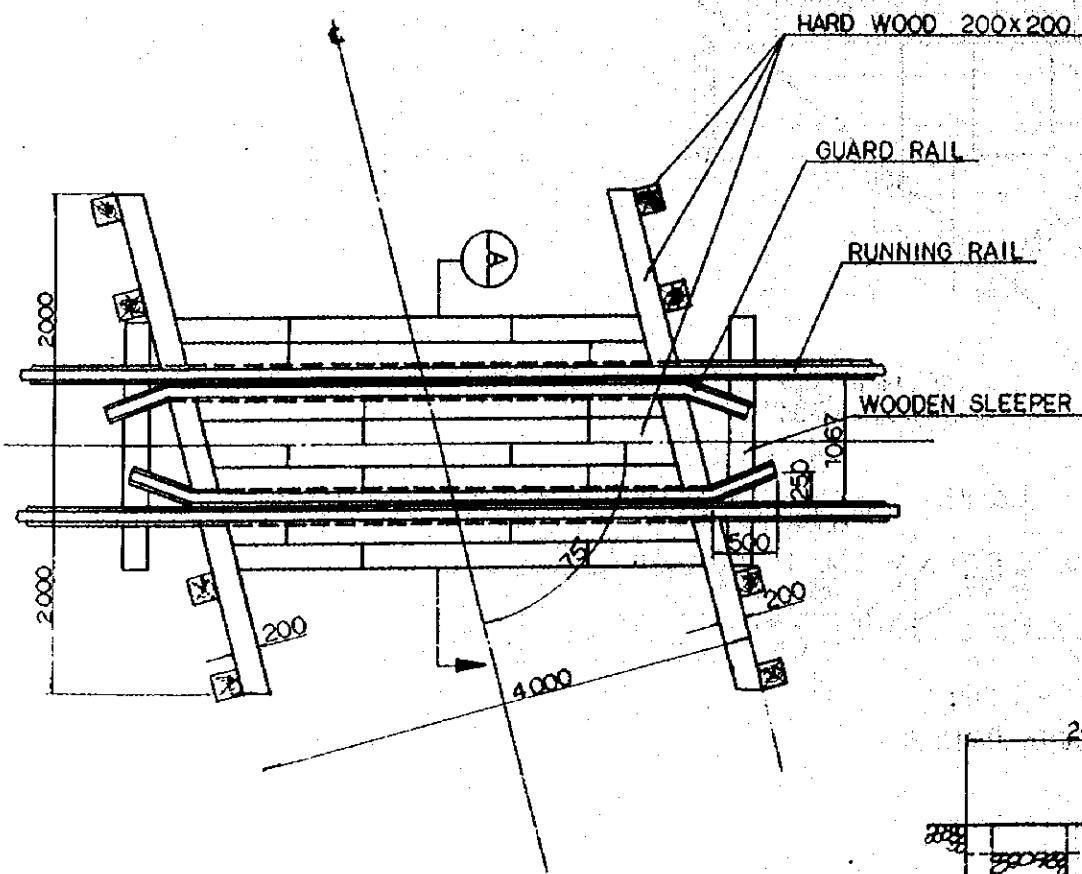
SCALE: 1:30
DRAWING NO.: TC-004

LOCATION

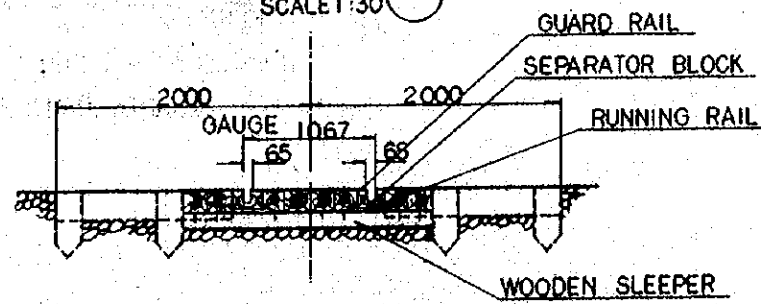


PLAN

S=1/30



SECTION A
SCALE 1:30



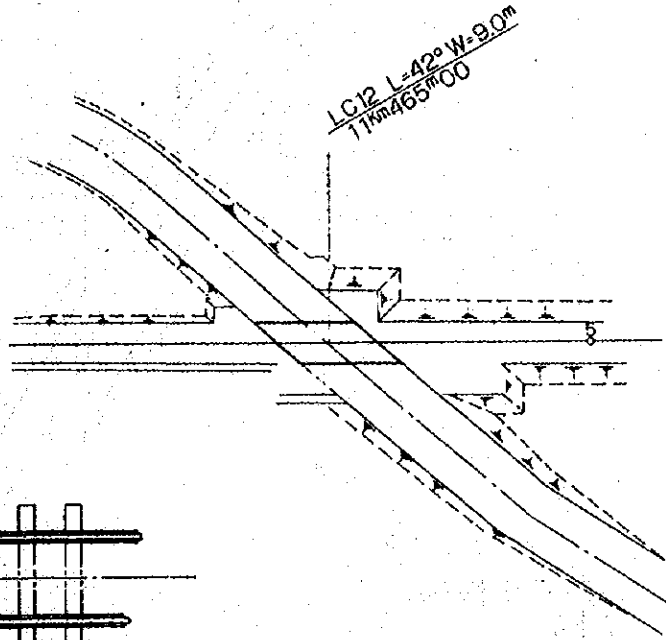
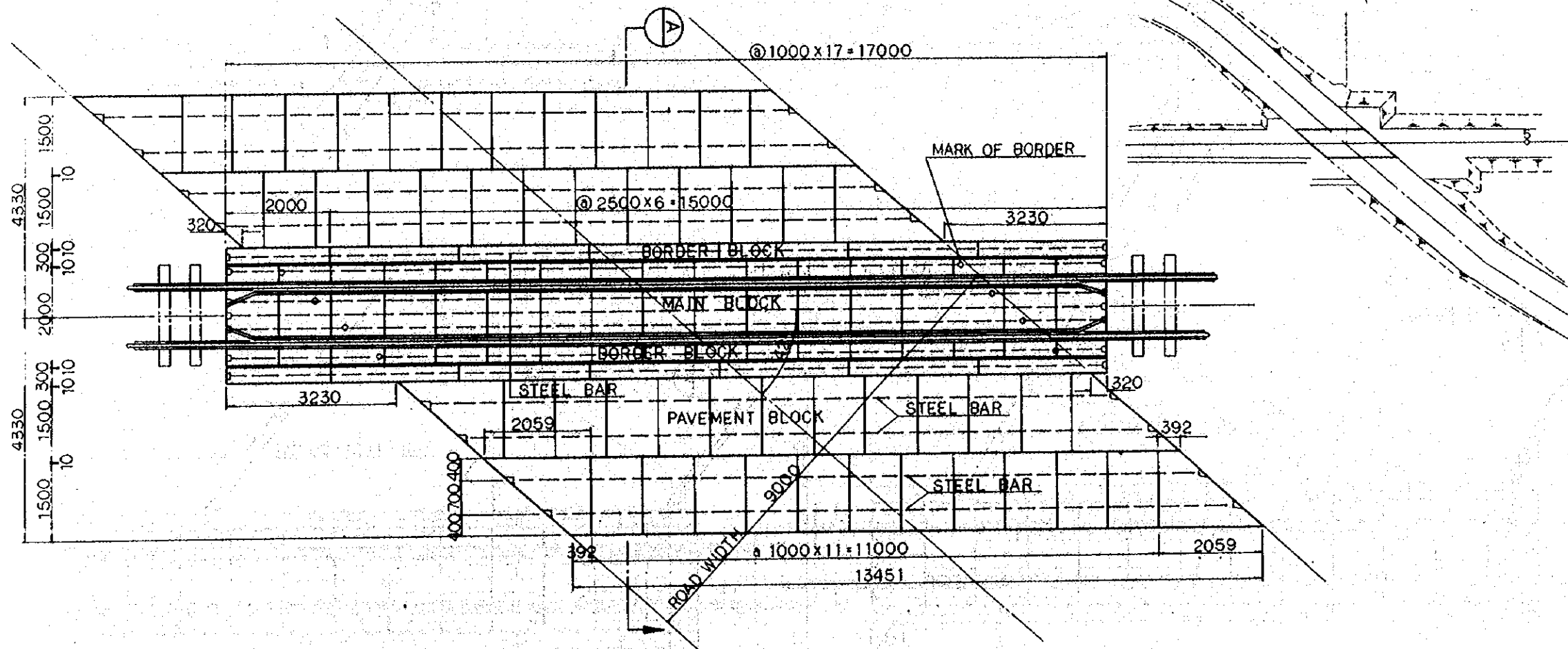
NOTE:
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IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGLARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 88	T.T	T.N	K.M	M.K
A	15 Feb 88	K.M	T.N	K.M	M.K
REVISION	DATE	DESIGNED	CHECKED	REVIEWED	APPROVED
LEVEL CROSSING PAVEMENT NO.09 9K620M00 NO.10 10K973M00					
PROGRAM: I TRACK WORKS					
SCALE	DRAWING NO.				
1:30	TC-006				

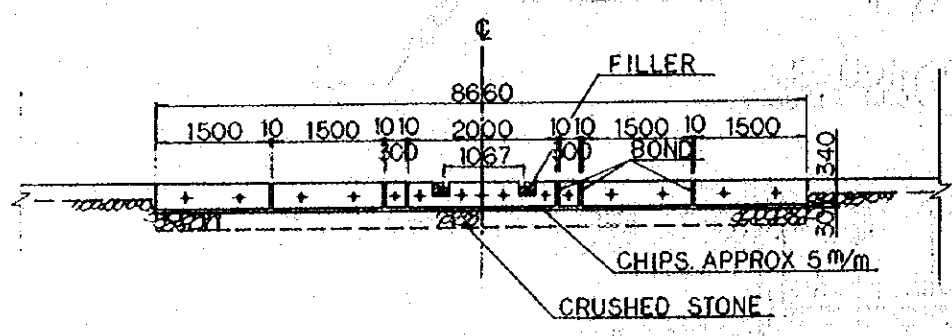
PLAN S=1/50

LOCATION

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

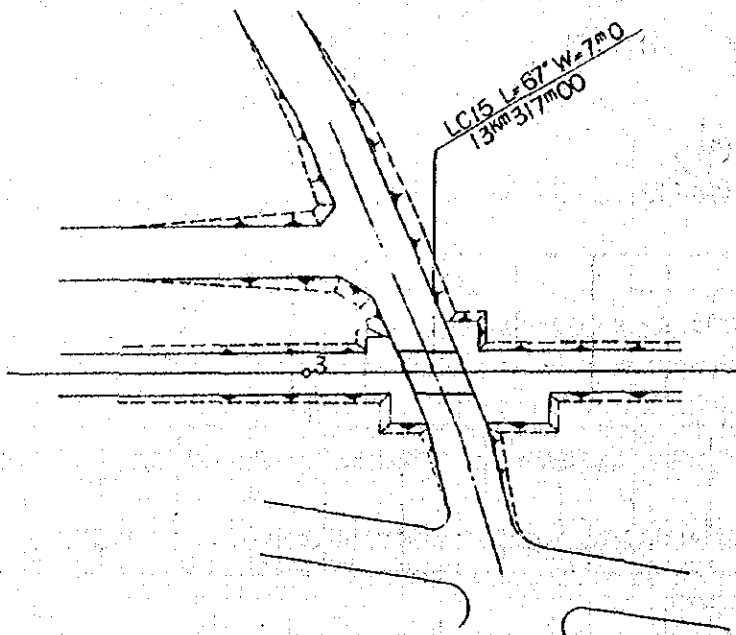


SECTION A
SCALE 1:50

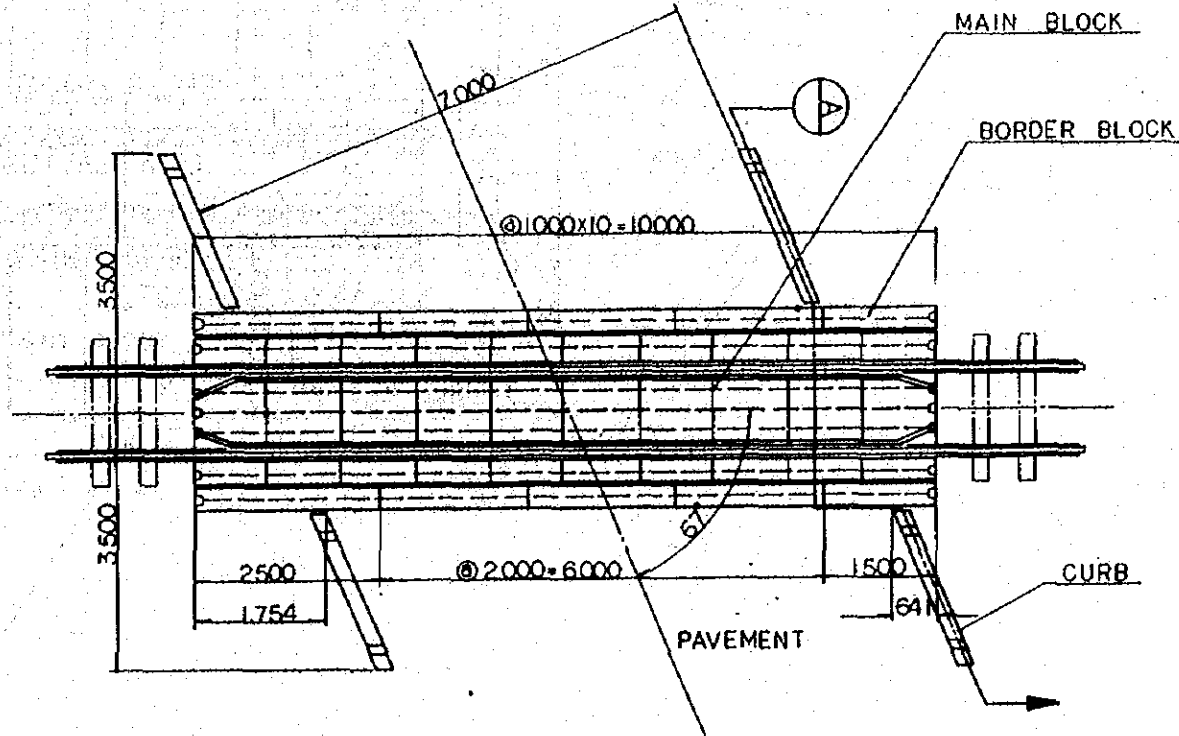


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
B	1.10.03	T.T	T.N	K.M	M.R
A	15.06.02	K.M	K.M	K.M	M.R
LEVEL CROSSING PAVEMENT NO.12 11K465M00					
PACKAGE: I TRACK WORKS					
SCALE: 1:50		DRAWING NO: TC-007			

LOCATION

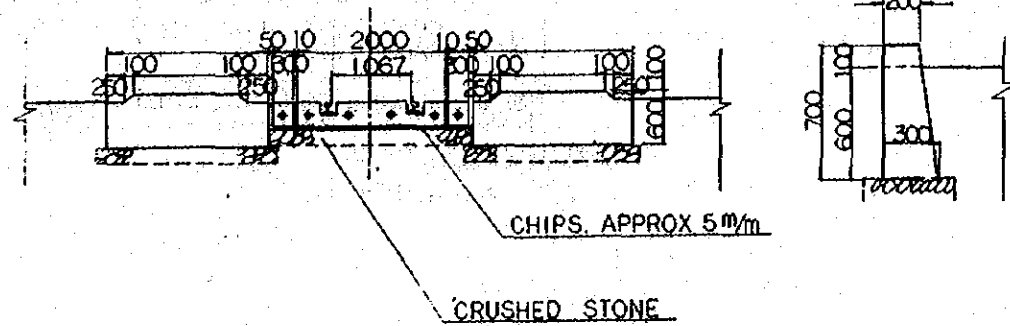


PLAN S=1/50



SECTION A SCALE 1:50

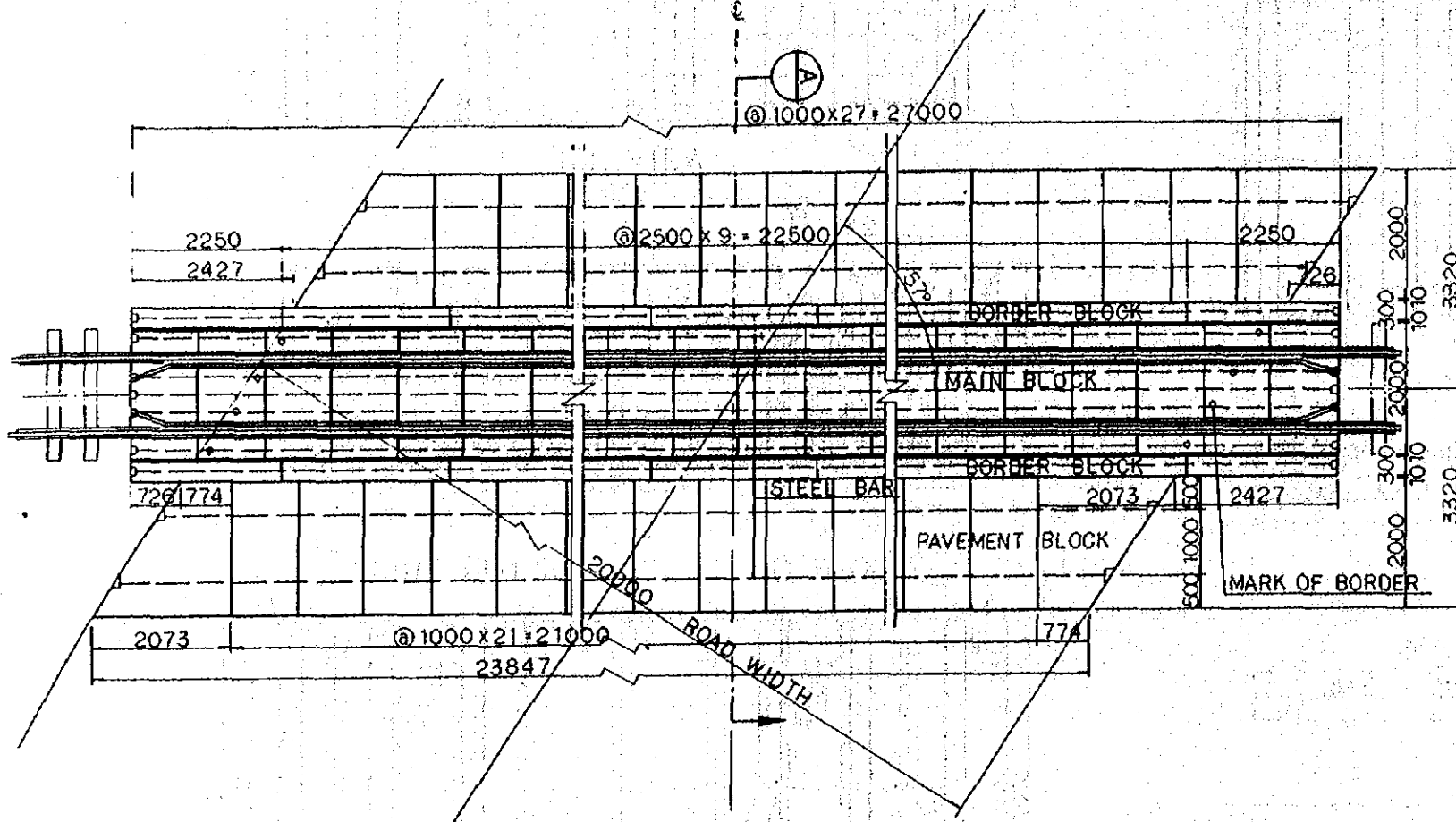
DETAIL OF CURB S=1/20



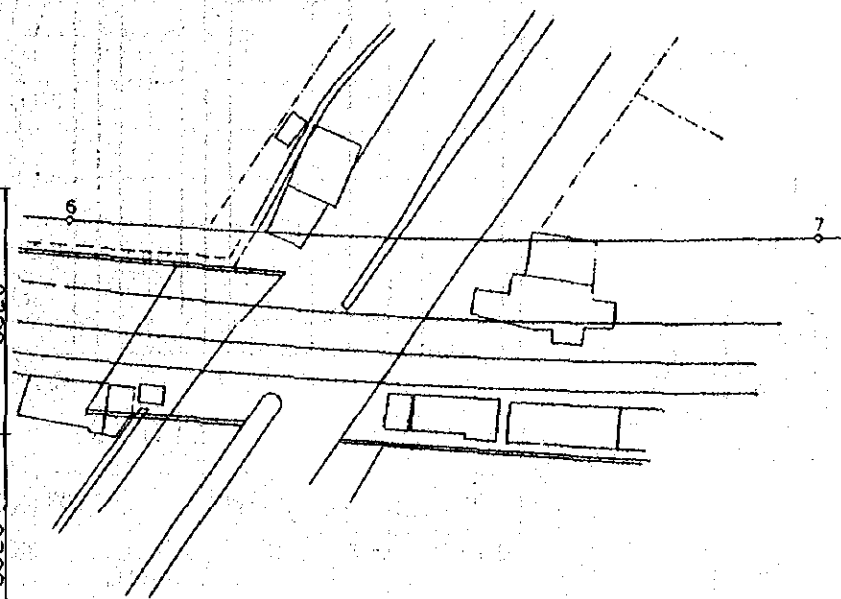
NOTE:
ALL DIMENSIONS ARE SHOWN
IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

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. 87	T. T.	T. A.	K. H.	M. K.
A					
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED
LEVEL CROSSING PAVEMENT NO. 15 13x317m00					
PACKAGE: I TRACK WORKS					
SCALE 1:20		DRAWING NO.			
1:50		TC-009			

PLAN S=1/50

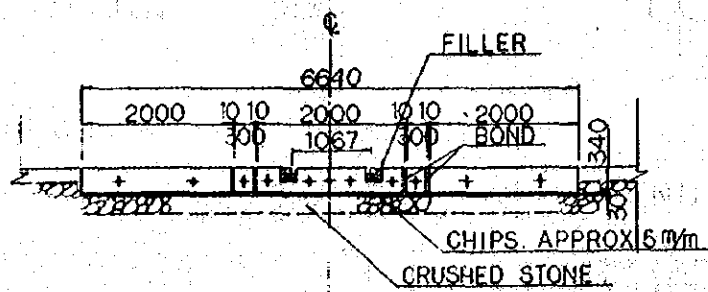


LOCATION



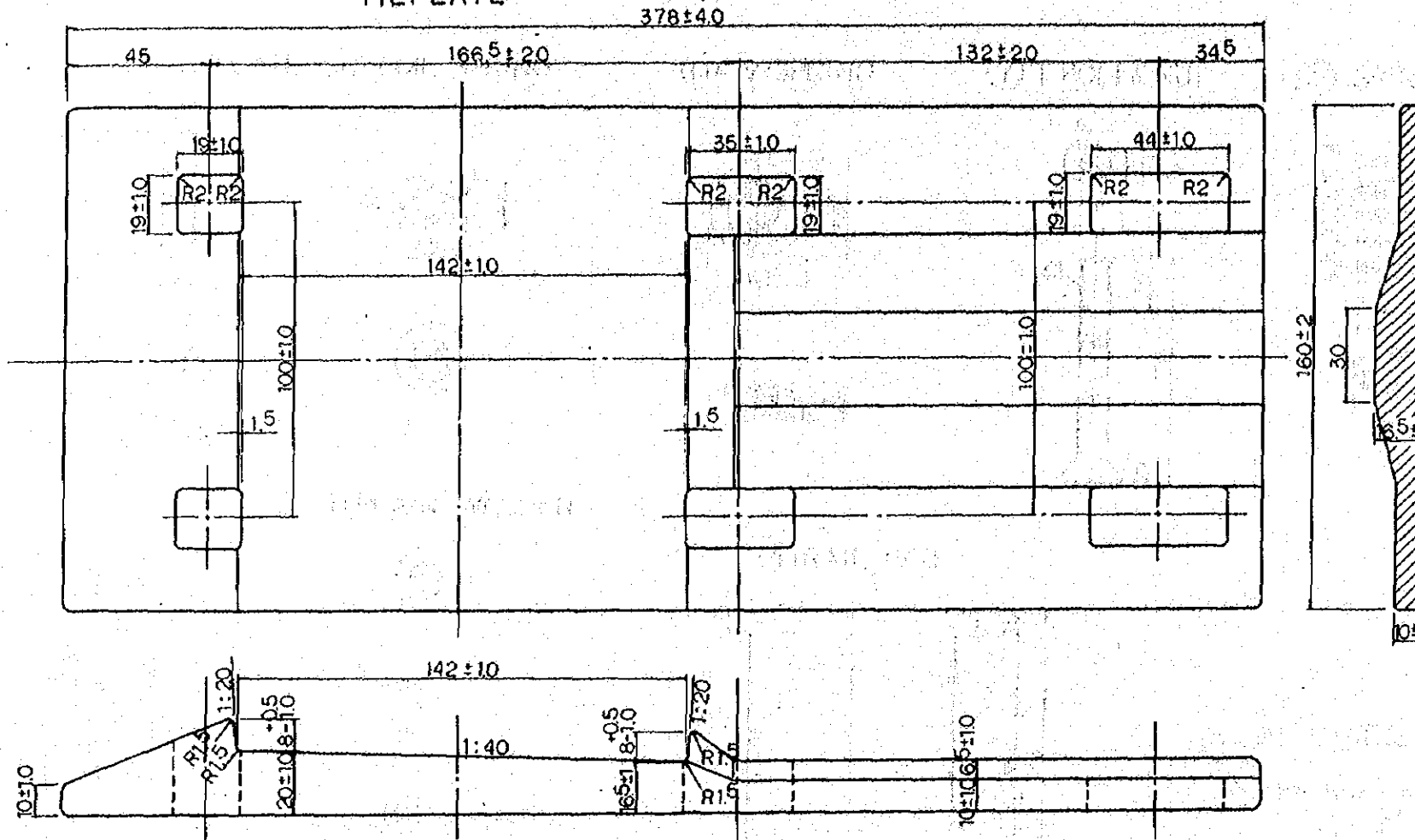
NOTE:
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IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

SECTION A
SCALE 1:50



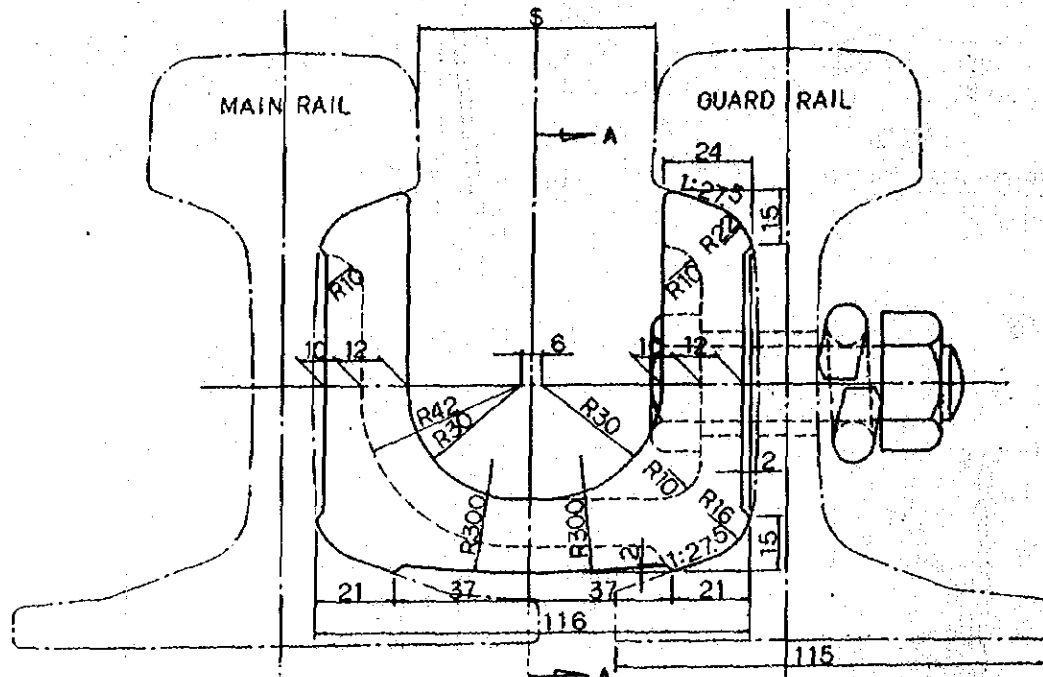
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 87	R.T	T.H.	K.M.	H.R.
A	15 Feb 87	Koro	Tanaka	Koro	K.M. H.R.
REVISIONS	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
LEVEL CROSSING PAVEMENT NO.16 19K643M00					
PACKAGE: I TRACK WORKS					
SCALE: 1:50		DRAWING NO: TC-010			

TIEPLATE

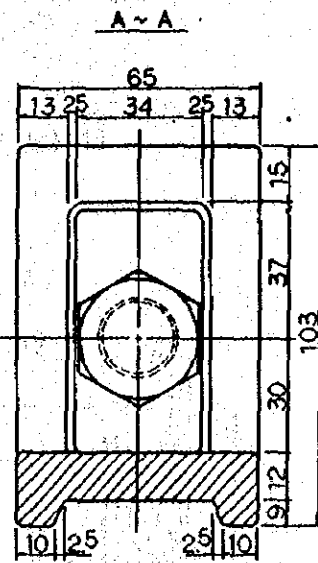


NOTE:
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IN MILLIMETERS UNLESS
OTHERWISE INDICATED.

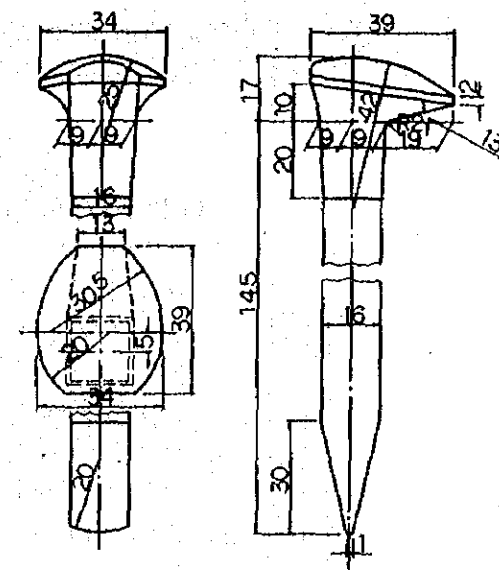
SEPARATOR BLOCK



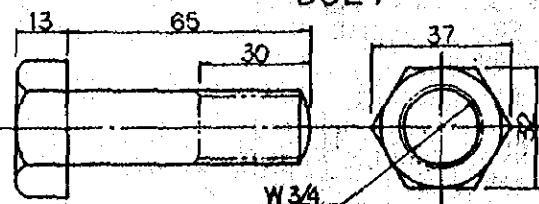
SECTION A~A



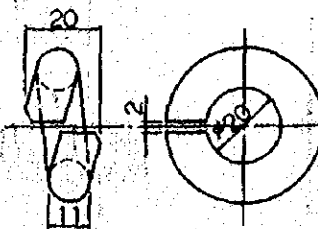
DOG SPIKE



BOLT



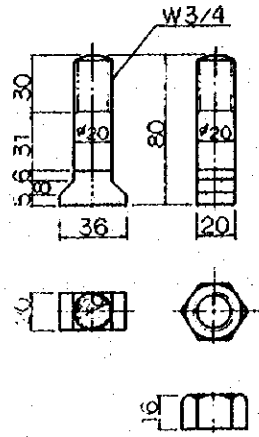
LOCKNUT WASHER



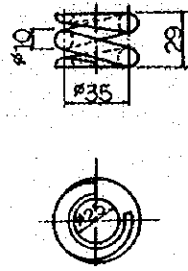
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 77	T.T.	T.H.	K.M.	M.K.
A	15 FEB 77	K.M.	T.H.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
PACKAGE: I TRACK WORKS					
SCALE: 1:1		DRAWING NO: TC-012			

TIEPLATE & SEPARATOR BLOCK
FOR
RAILROAD CROSSING

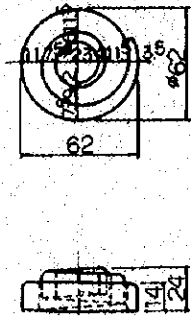
⑧ BOLT & NUT FOR TIEPLATE



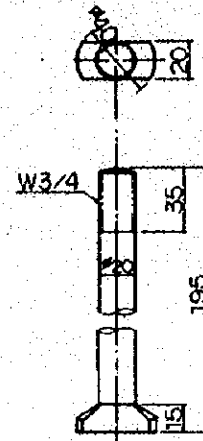
⑩ COIL SPRING



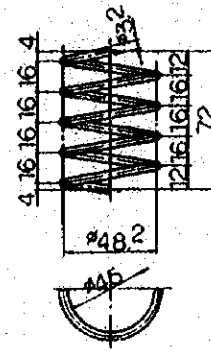
⑪ V-SPRING



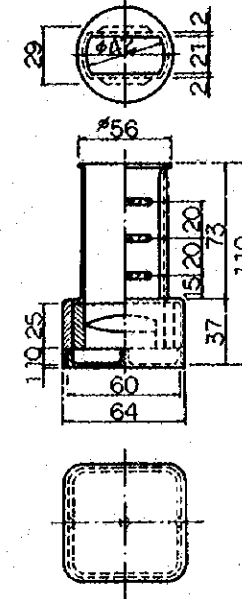
⑦ T BOLT & NUT



⑫ SPIRAL BAR

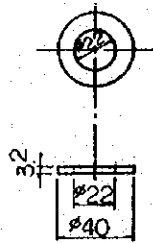


③ PLUG

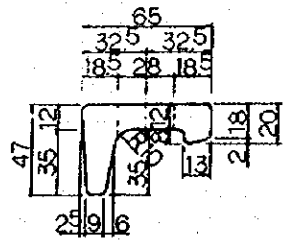


NOTE:
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OTHERWISE INDICATED.

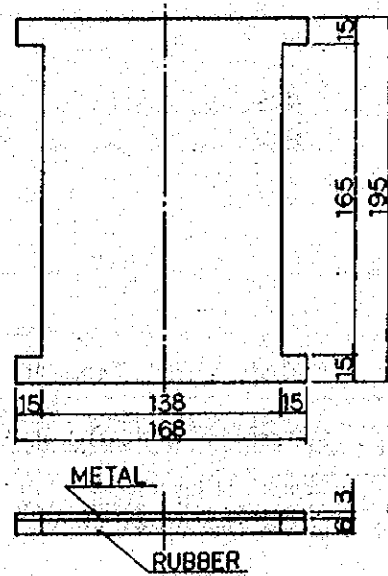
⑨ PLAIN WASHER



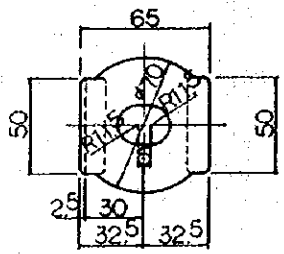
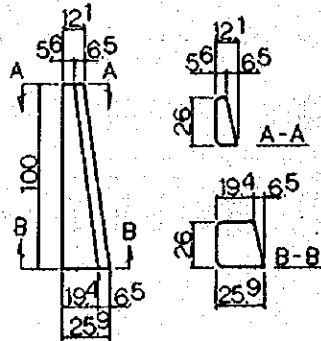
② CLIP



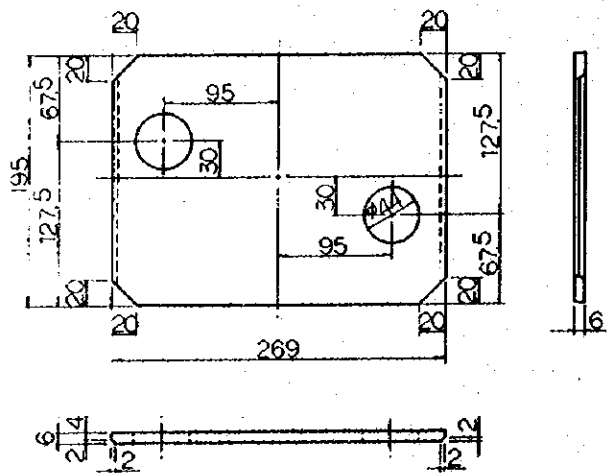
④ RAIL PAD



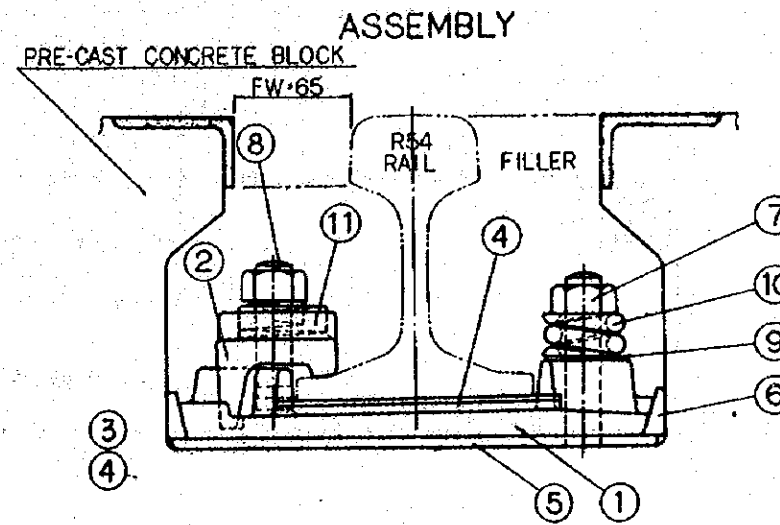
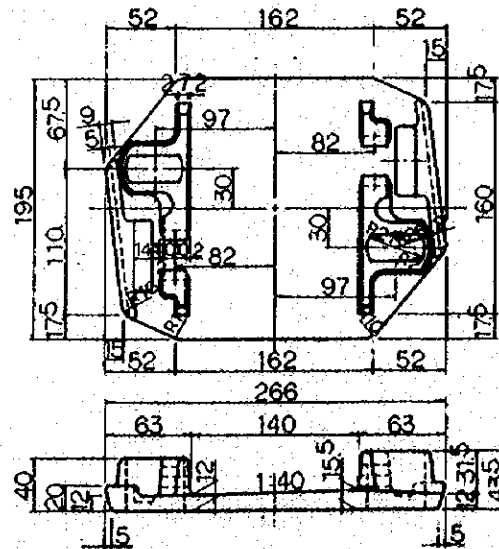
⑥ CHOCK



⑤ TIE PAD



① TIEPLATE

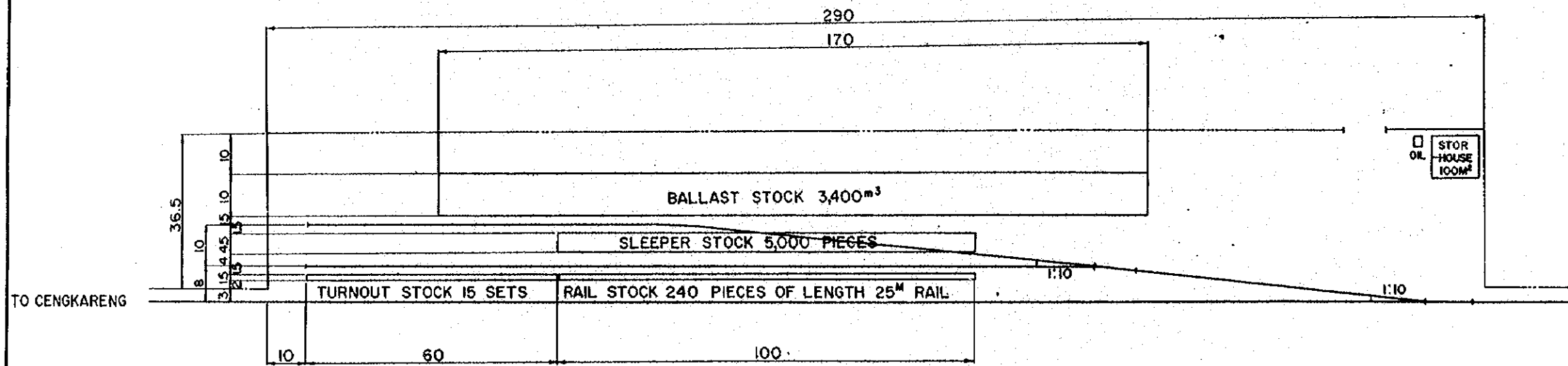


PARTS AND MATERIALS

PARTS	MATERIALS	NO	QTY
TIEPLATE		①	1
CLIP		②	2
PLUG	POLY-CARBONATE	③	2
RAIL PAD	RUBBER WITH METAL PLATE	④	1
TIE PAD	RUBBER	⑤	1
CHOCK	POLY-CARBONATE	⑥	2
TBOLT. NUT		⑦	2
BOLT. NUT		⑧	2
PLAIN WASHER		⑨	2
COIL SPRING		⑩	2
V-SPRING		⑪	2
SPIRAL BAR		⑫	2

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)						
REVISION	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 88	T.T	T.K	Kagami	K.M	M.R
A	15 FEB 88	Gus	Shuichi	Kana	K.M	M.K
FASTENING FOR RAILROAD CROSSING USE (FOR CONNECTING PRE-CAST CONCRETE BLOCK)						
PACKAGE: 1 TRACK WORKS						
SCALE: 1:2 1:3		DRAWING NO: TC-013				

NOTE :
 ALL DIMENSIONS ARE SHOWN IN METER
 UNLESS OTHERWISE INDICATED.
 AREA OF TRACK WORK BASE IS 10,585M²
 TEMPORARY TRACK WITHIN TRACK WORK
 BASE SHALL BE LAID AFTER ALL THE
 SLEEPERS HAVE BEEN TRANSPORTED TO
 THE LOCATION AS REQUIRED.



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	M.K	M.K	K.M	M.K	M.K
A	15 FEB 84	M.K	M.K	K.M	M.K	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
TRACK WORK BASE STANDARD PLAN						
PACKAGE: II TRACK WORKS						
SCALE		DRAWING NO.				
1:60		TW-001				

