THE REPUBLIC OF INDONESIA

REPORT ON FEASIBILITY STUDY

OF

GRADE SEPARATED CROSSING IN MANGGARAI STATION

TRACK ADDITION AND OTHER IMPROVEMENTS ON MERAK LINE AND
TRACK ADDITION AND OTHER IMPROVEMENTS ON TANGERANG LINE

DRAWINGS

JUNE 1984

JAPAN INTERNATIONAL COOPERATION AGENCY



THE REPUBLIC OF INDONESIA

REPORT ON FEASIBILITY STUDY

OF

GRADE SEPARATED CROSSING IN MANGGARAI STATION

TRACK ADDITION AND OTHER IMPROVEMENTS ON MERAK LINE

AND

TRACK ADDITION AND OTHER IMPROVEMENTS ON TANGERANG LINE

DRAWINGS



JUNE 1984

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

CONTENTS

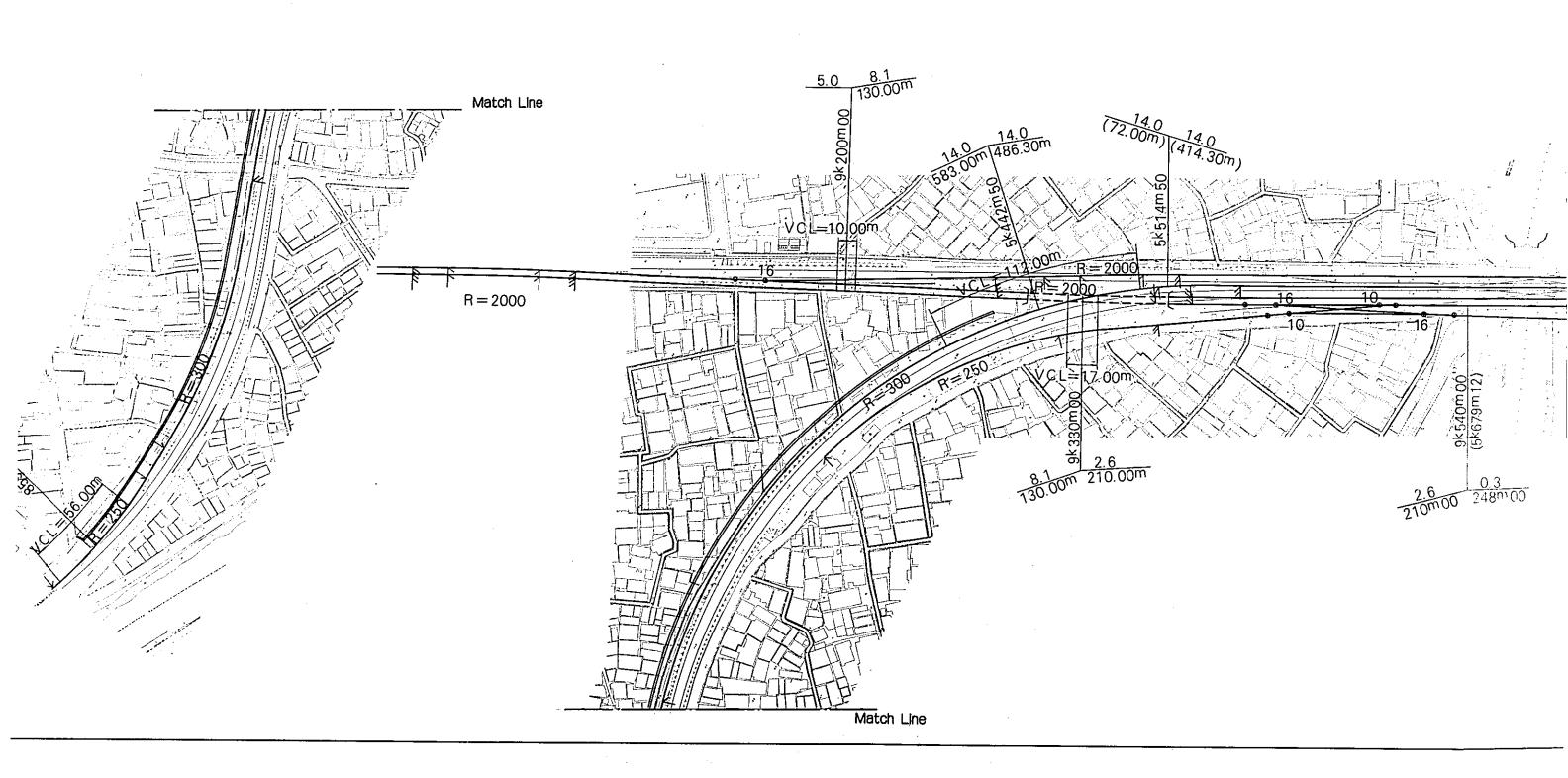
1. M	ANGGARAI STATION
Dwg. I . I	PROPOSED TRACK LAYOUT IN MANGGARAI STATION
Dwg. 1 . 2	PLAN (1) (INCLUDING REQUIRED RIGHT-OF-WAY)
Dwg. 1 . 3	PLAN (2) (INCLUDING REQUIRED RIGHT-OF-WAY)
Dwg. 1 . 4	PLAN (3) (INCLUDING REQUIRED RIGHT-OF-WAY)
Dwg. 1 . 5	PLAN (4) (INCLUDING REQUIRED RIGHT-OF-WAY)
Dwg. 1 . 6	PROFILE (1) (WESTERN LINE)
Dwg. 1 . 7	PROFILE (2) (CENTRAL LINE)
Dwg. 1 . 8	GENERAL VIEW
Dwg. 1 . 9	R.C VIADUCT (1)
Dwg. 1 . 10	R.C VIADUCT (2)
Dwg. I . I i	R.C VIADUCT (3) (P.C GIRDER)
Dwg. 1 . 12	BOX CULVERT (KOTA SIDE)
Dwg. 1 .13	CILIWUNG RIVER BRIDGE (1) (TRUSS GIRDER)
Dwg. 1 .14	CILIWUNG RIVER BRIDGE (2) (P.C GIRDER & THROUGH GIRDER)
Dwg. 1 . 15	BOX CULVERT (BOGOR SIDE)
Dwg. 1 . 16	MANGGARAI SELATAN BRIDGE (P.C GIRDER)

```
Dwg. I . 17 PASSAGE WAY BRIDGE
Dwg. I . 18 RETAINING WALL
Dwg. 1.19 CROSS SECTION (1)
Dwg. 1 .20 CROSS SECTION (2)
Dwg. I.21 PJKA AND PRIVATE LAND (1)
Dwg. I . 22 PJKA AND PRIVATE LAND (2)
Dwg. 1.23 PJKA AND PRIVATE LAND (3)
Dwg. 1.24 TRACK REMOVAL WORK
APPEN. I PROPOSED TRACK LAYOUT IN MANGGARAI STATION
                           (ALTERNATIVE F-14)
APPEN. 2 PROPOSED TRACK LAYOUT IN MANGGARAI STATION
                           (ALTERNATIVE F-22)
APPEN. 3 PROPOSED TRACK LAYOUT IN MANGGARAI STATION
                           (ALTERNATIVE G-22)
  2. MERAK LINE
Dwg.2.1~8 TRACK ALIGNMENT OF MERAK LINE
```

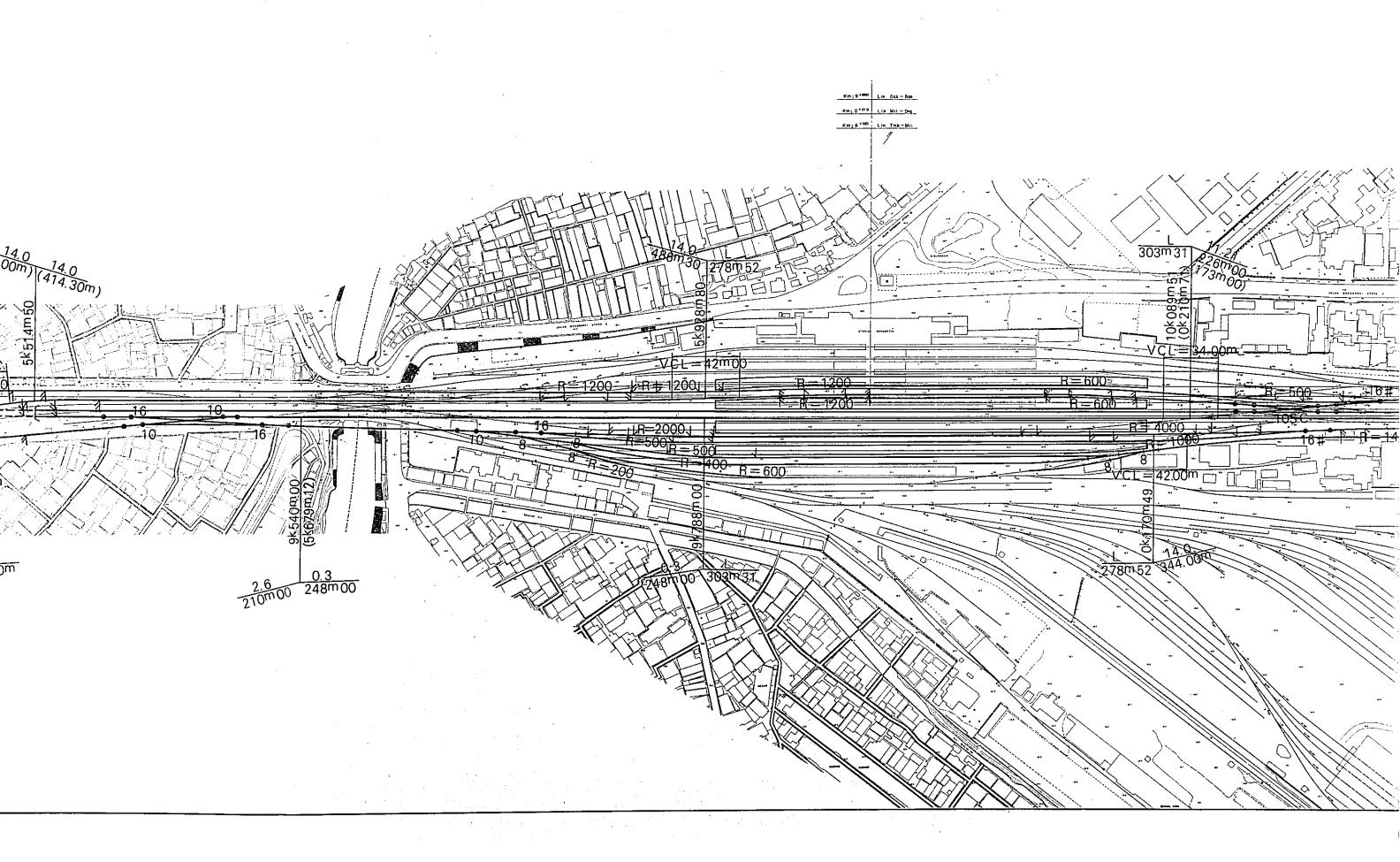
3. TANGERANG LINE

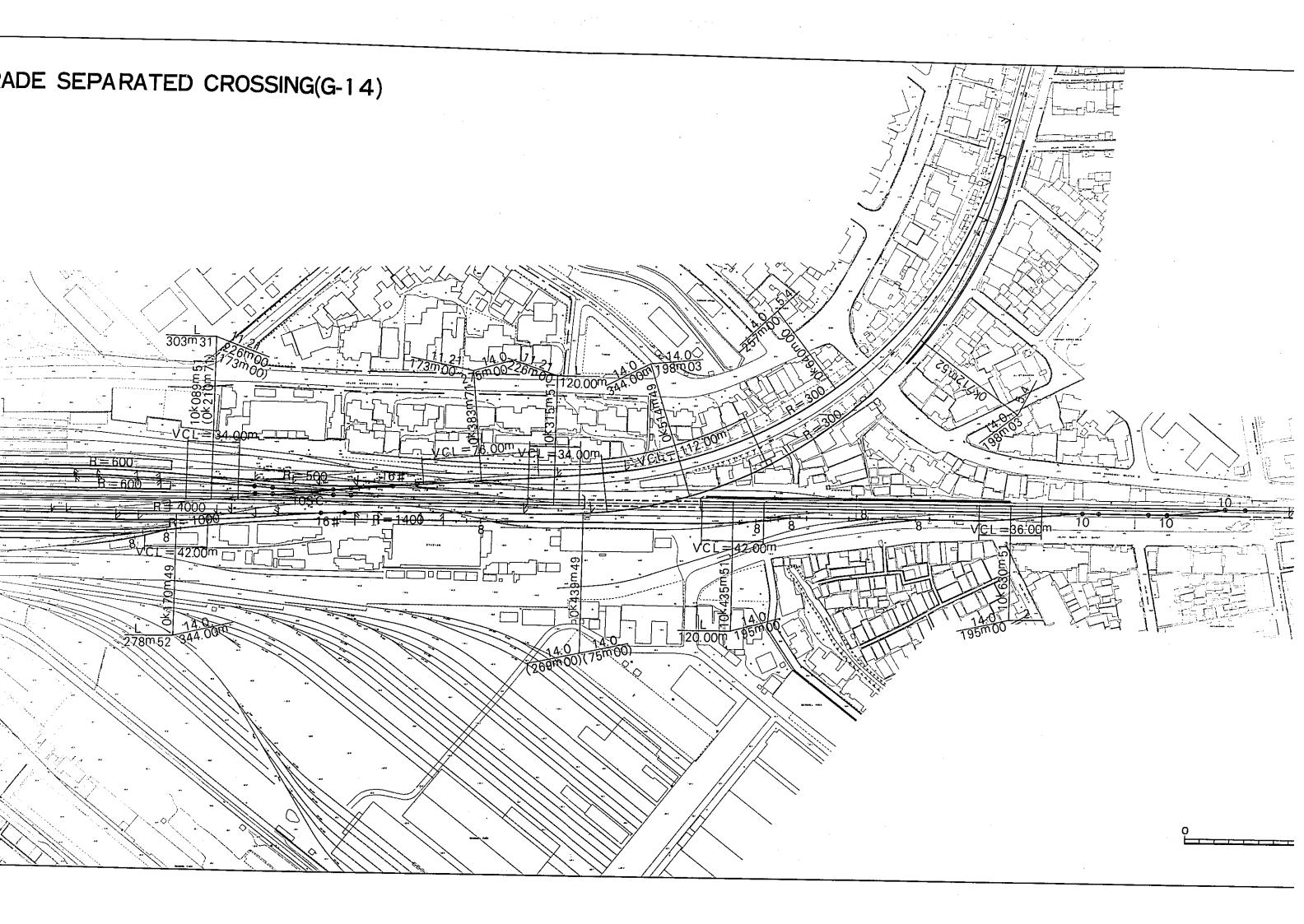
Dwg.3. I~6 TRACK ALIGNMENT OF TANGERANG LINE

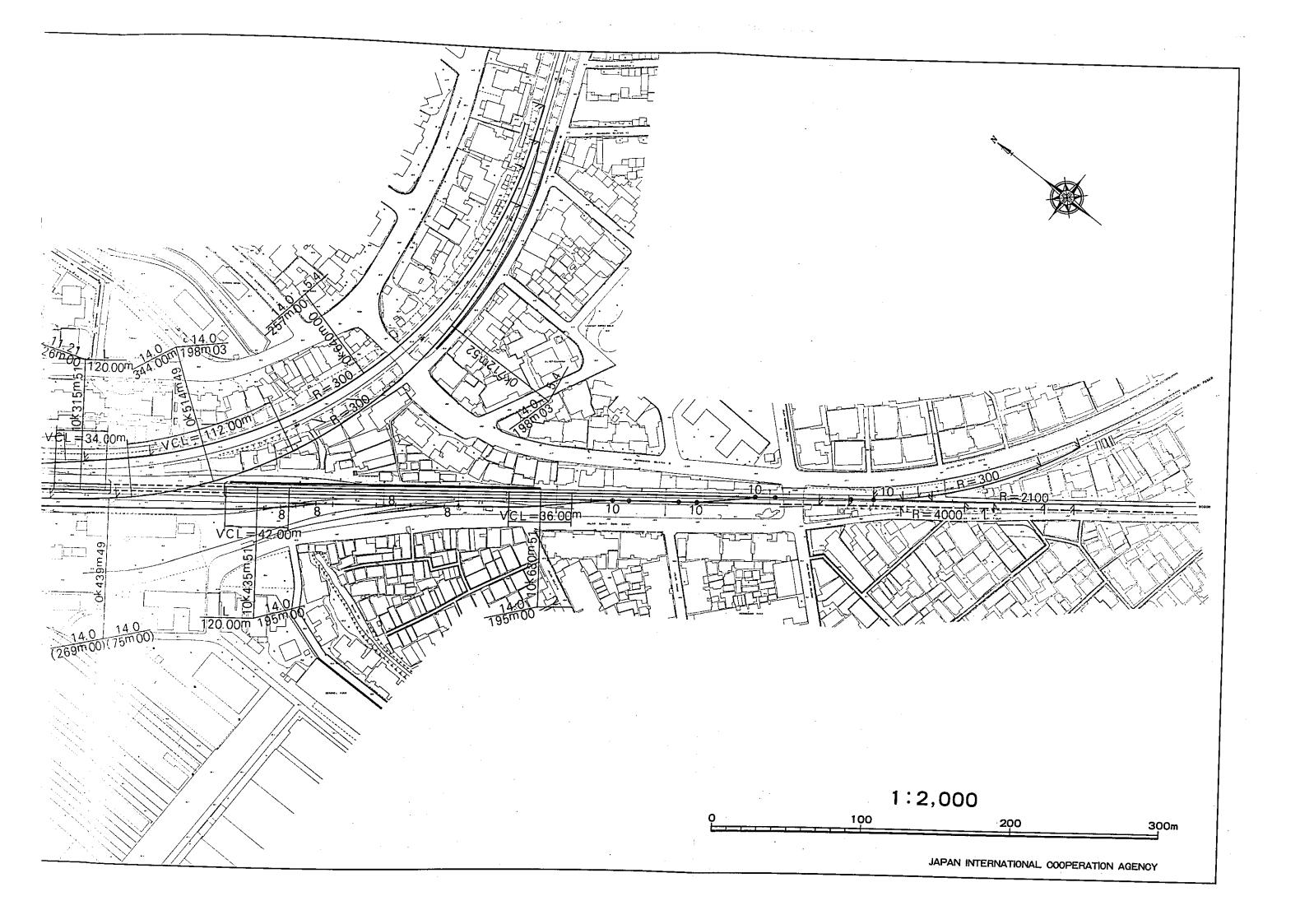
The contract of the section of the s

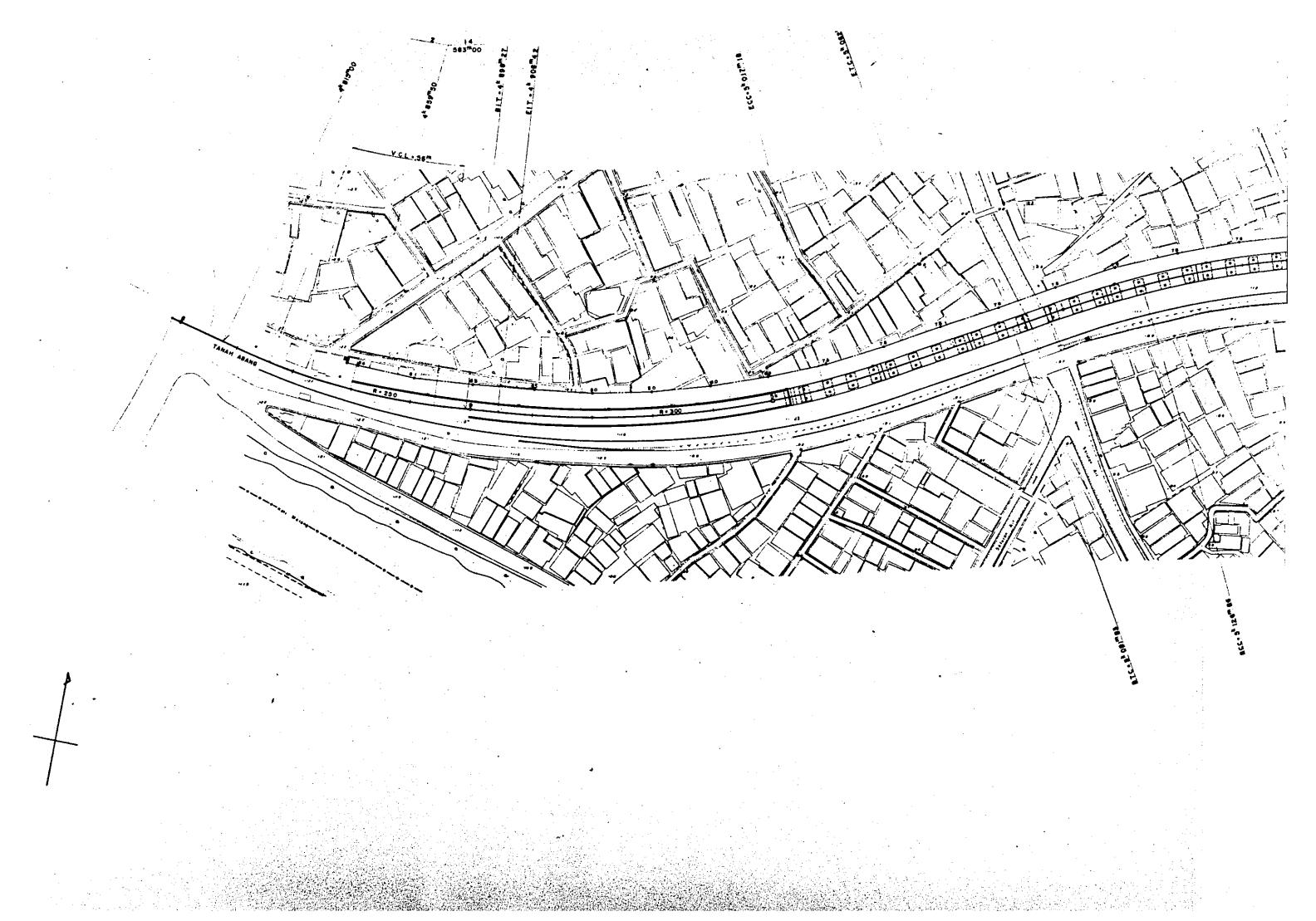


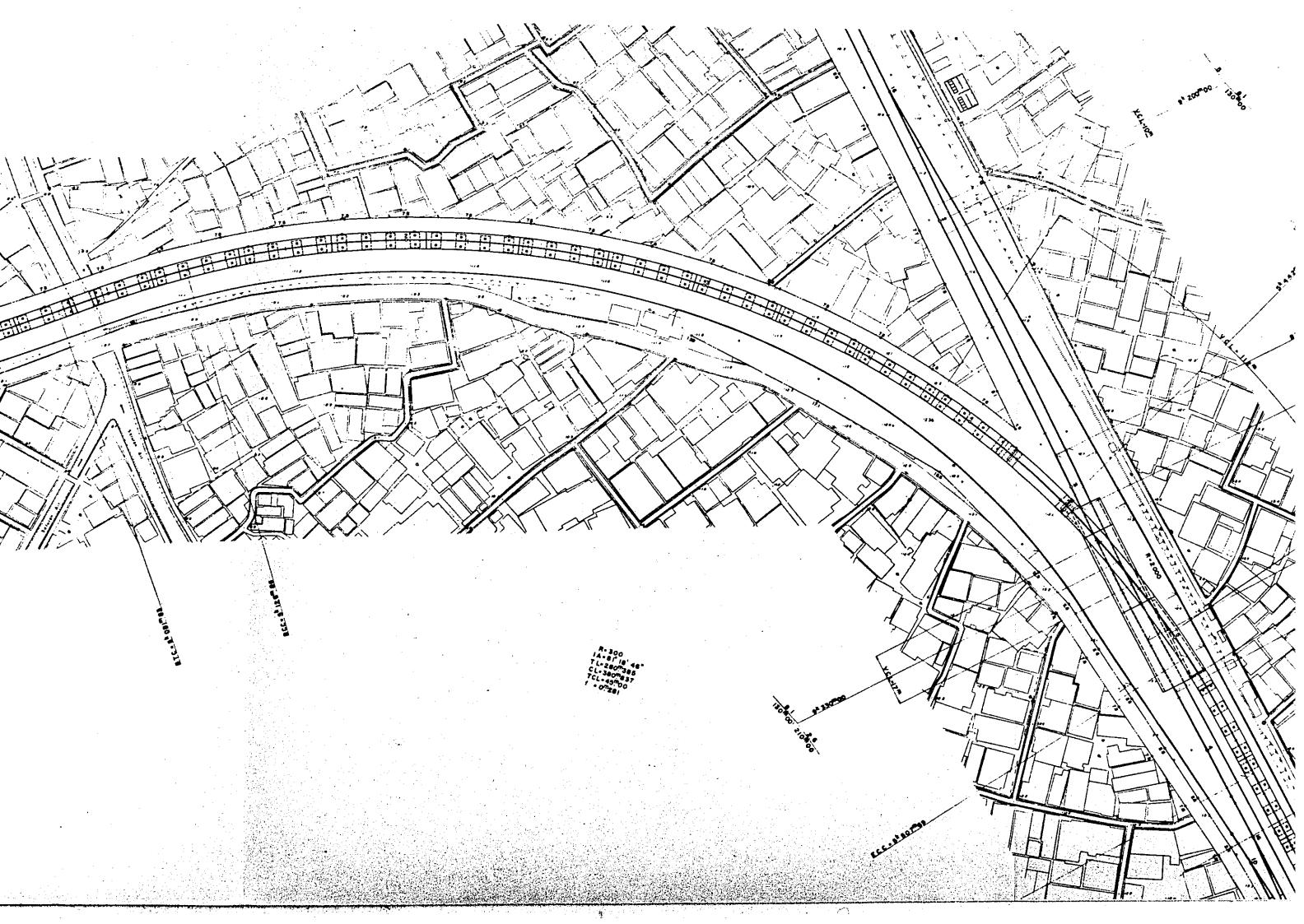
Dwg. 1.1 PROPOSED TRACK LAYOUT FOR GRADE SEPARATED CROSSING(G-14)

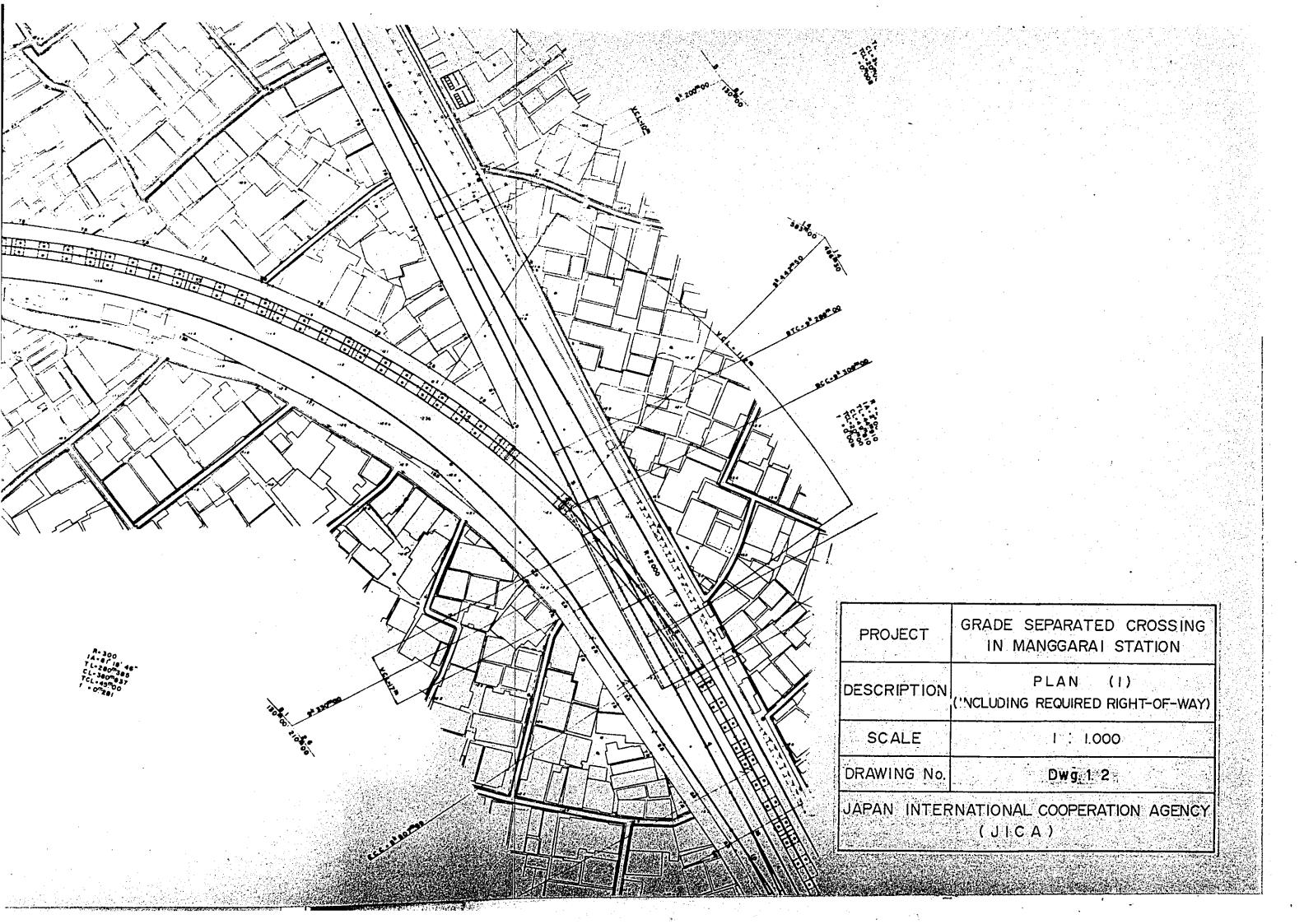


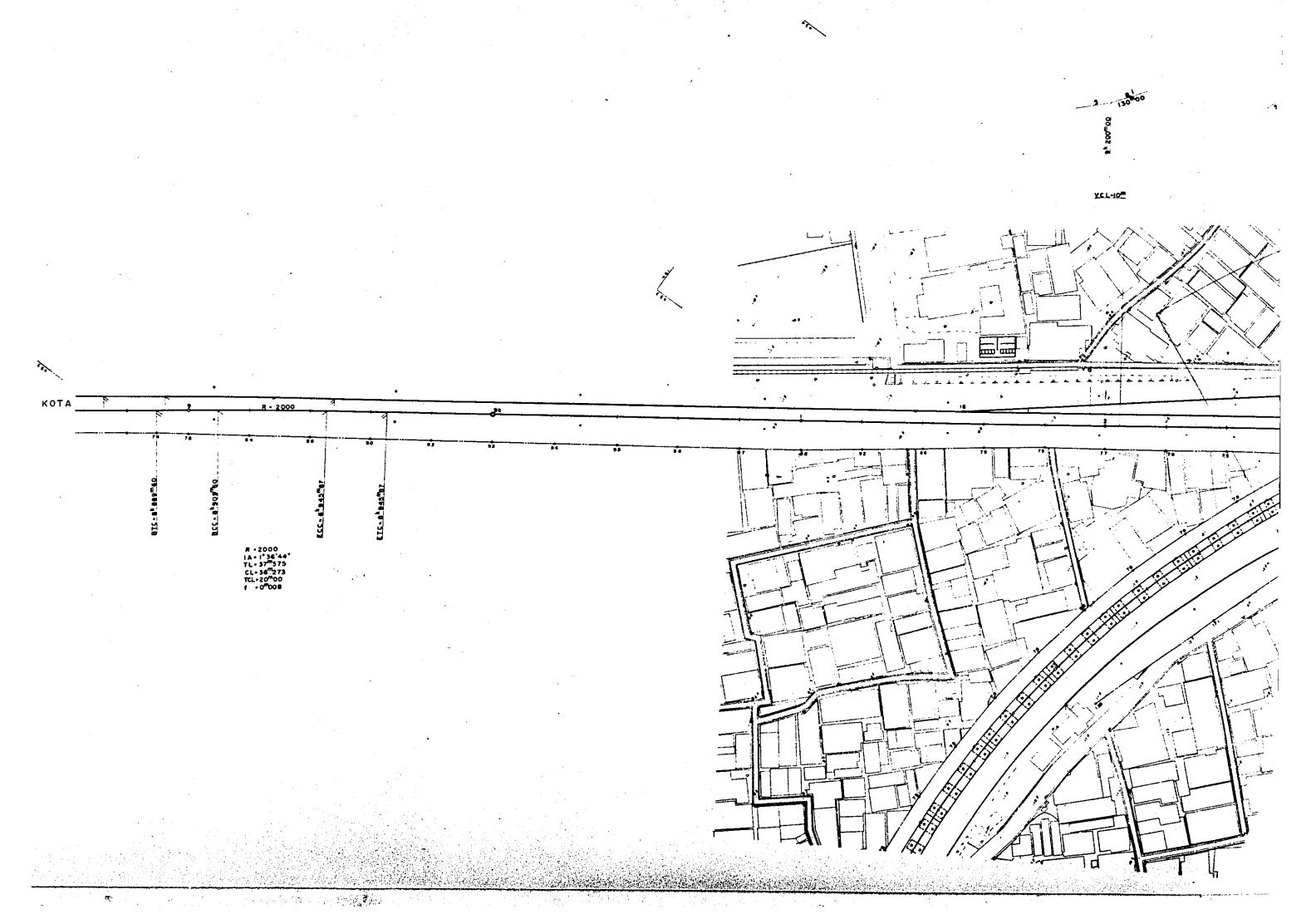


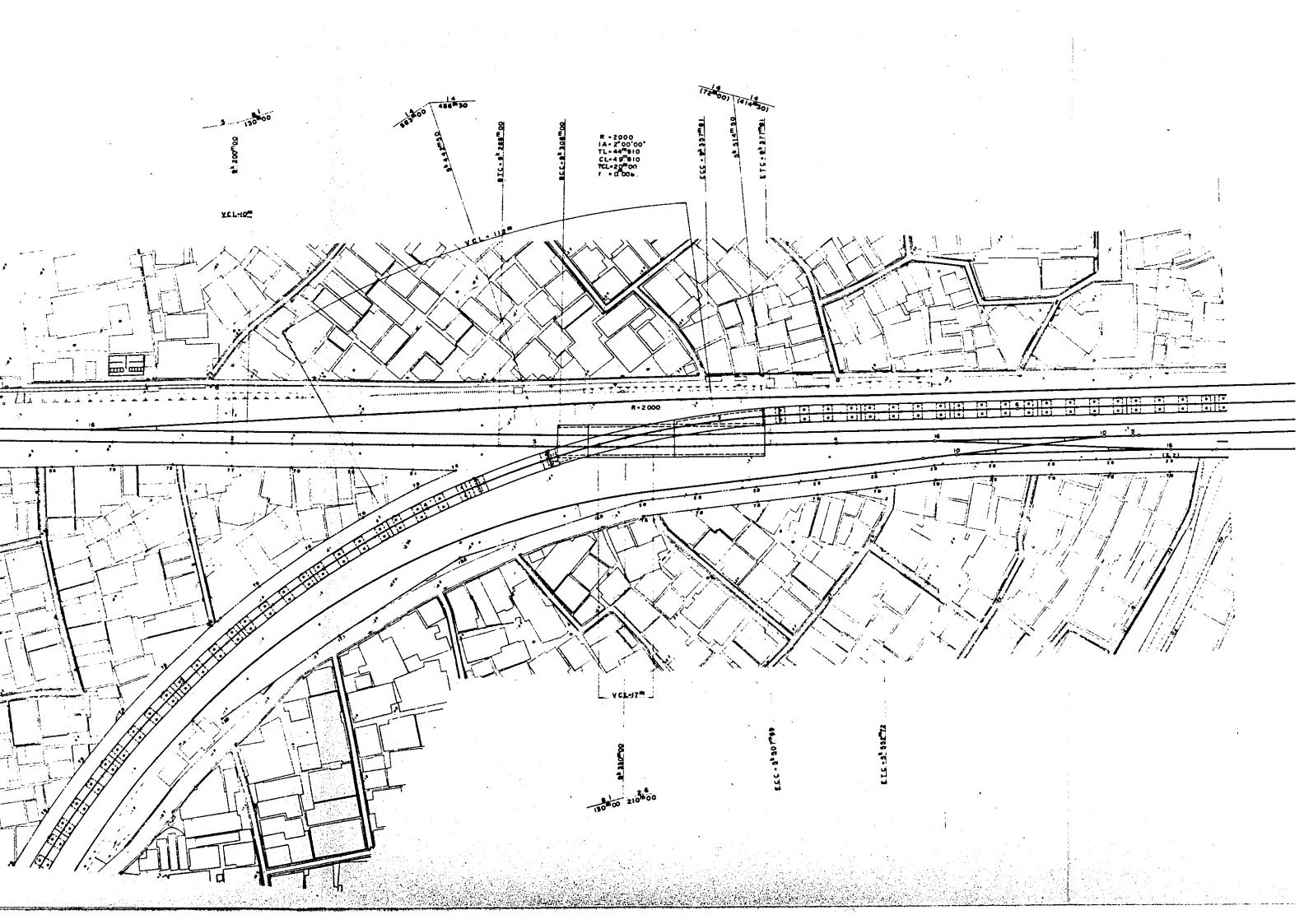


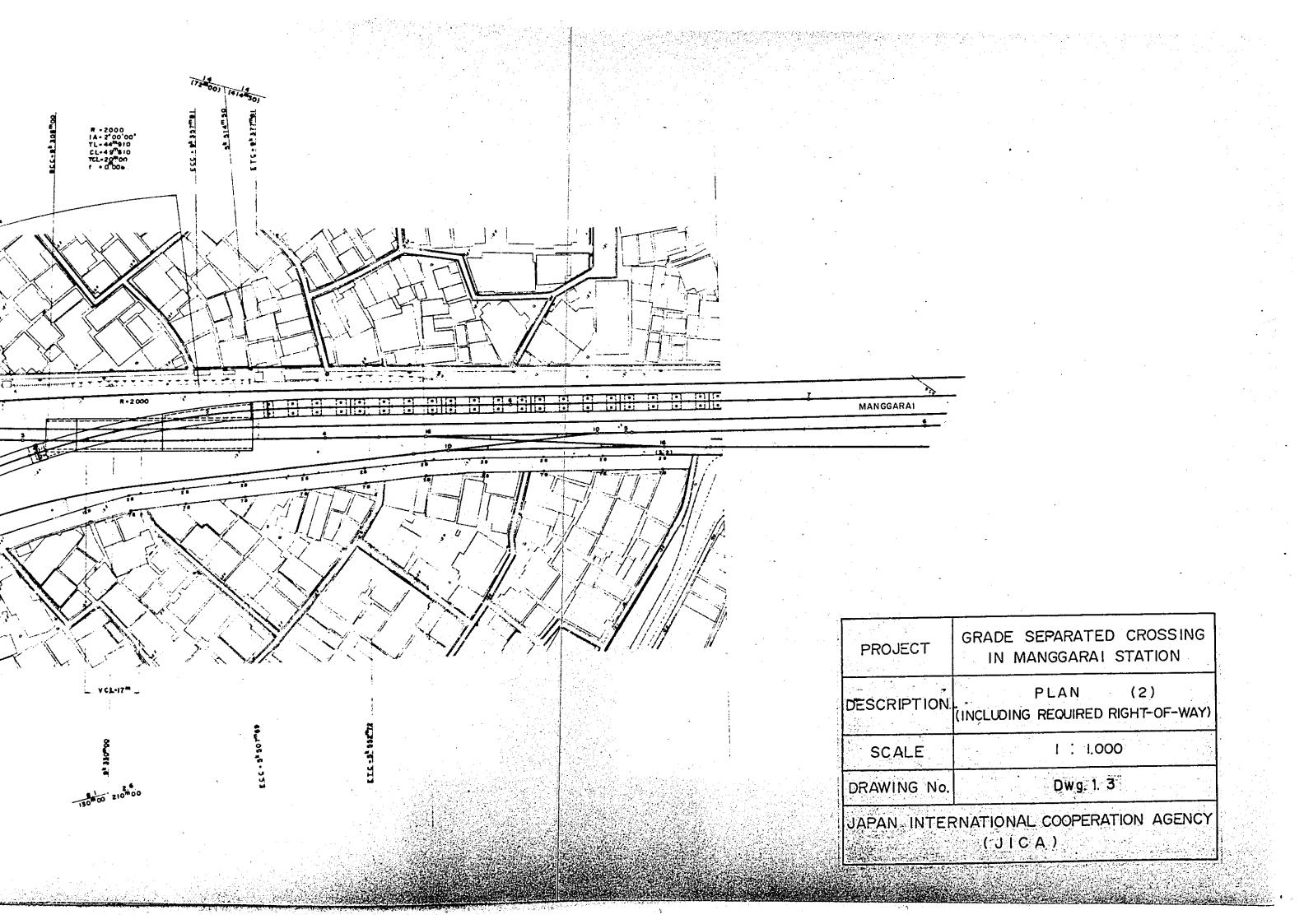


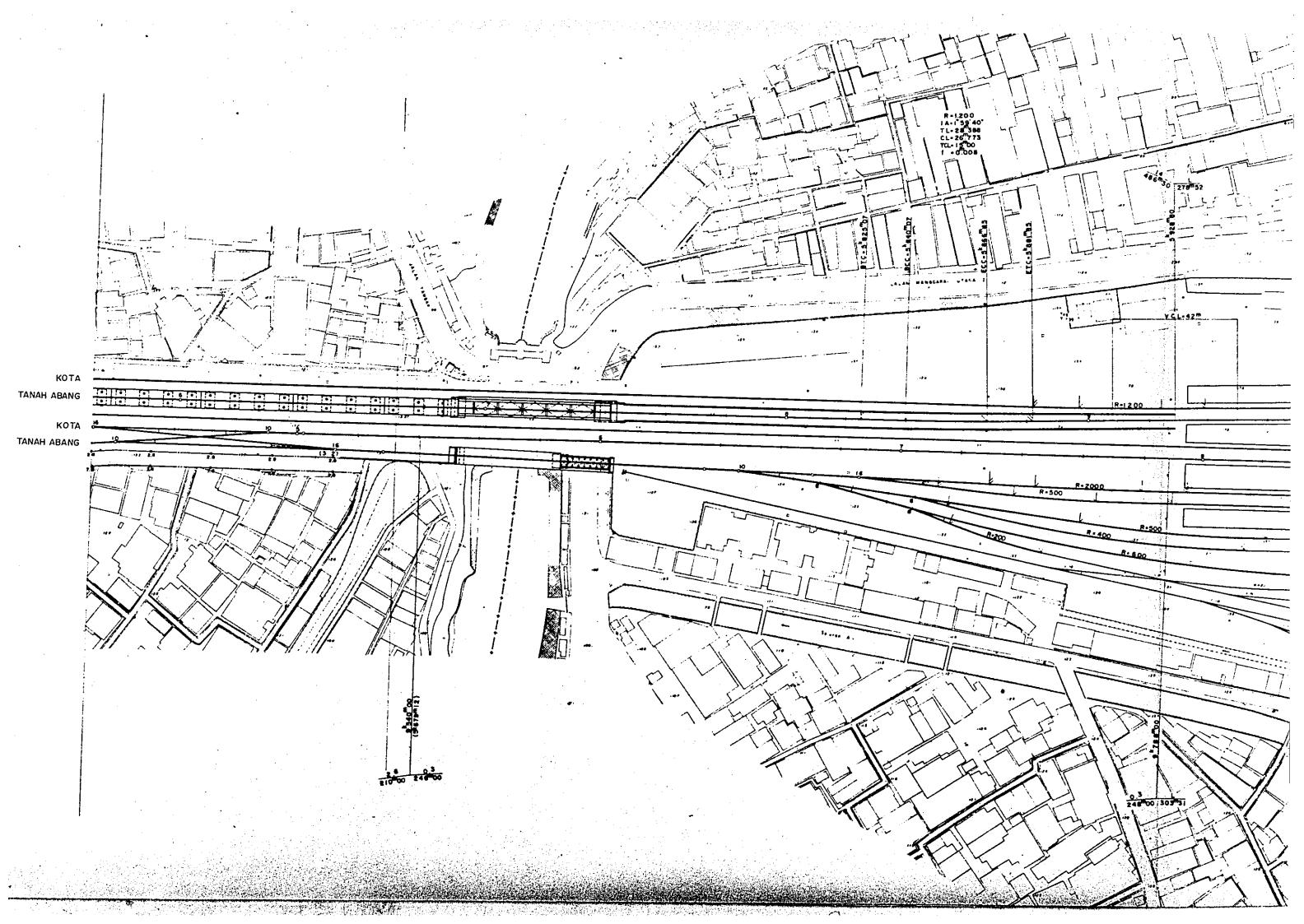


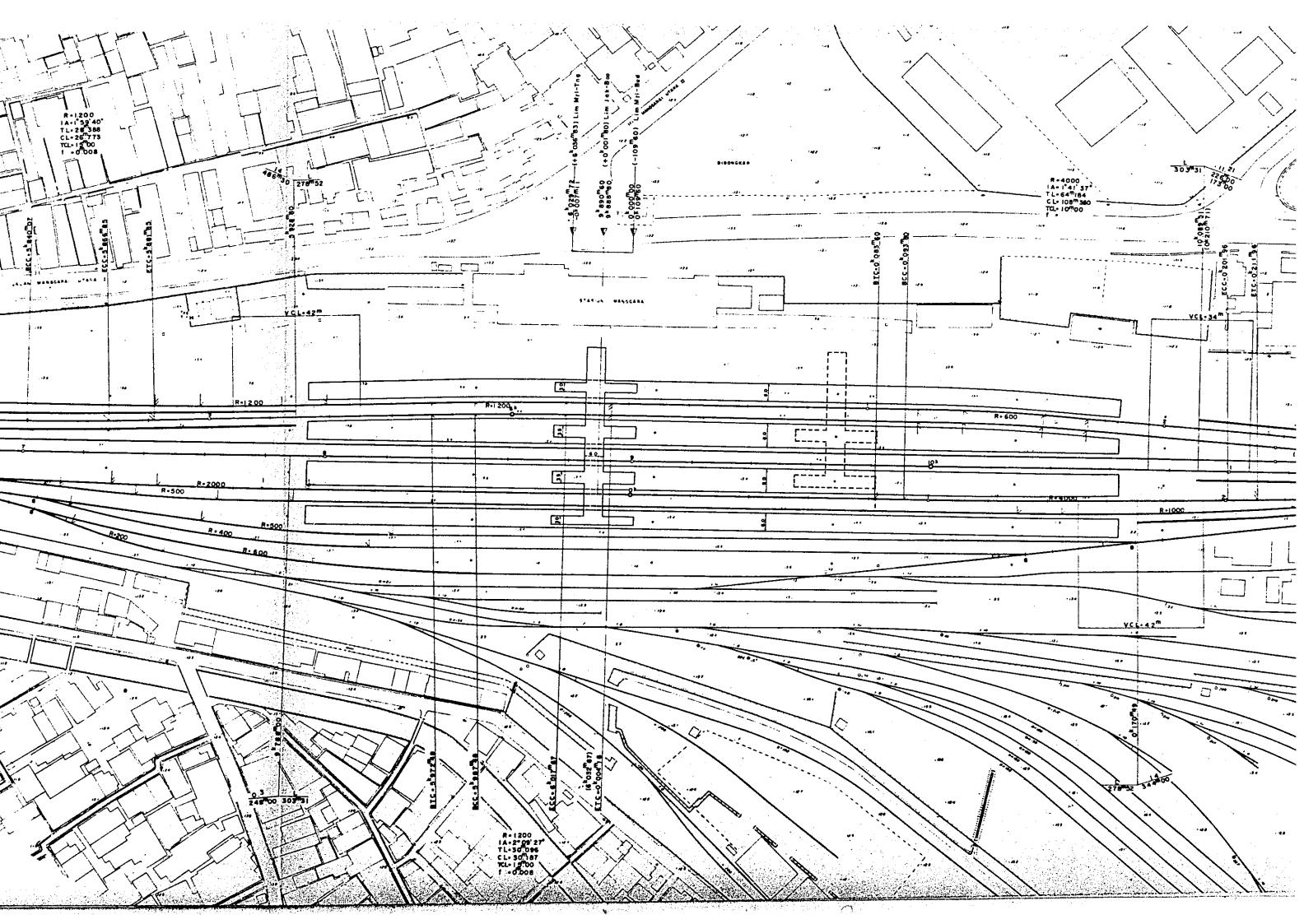


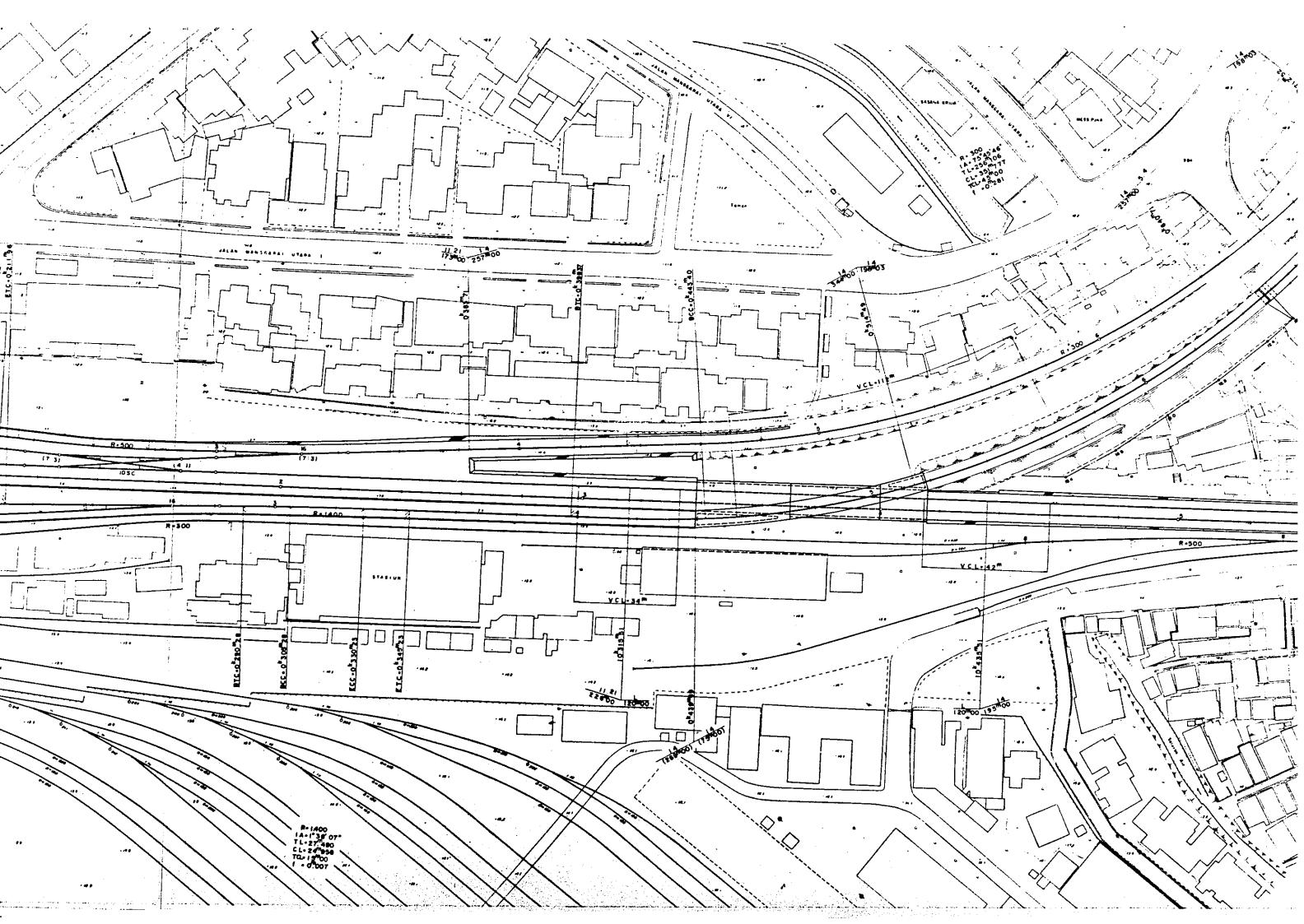


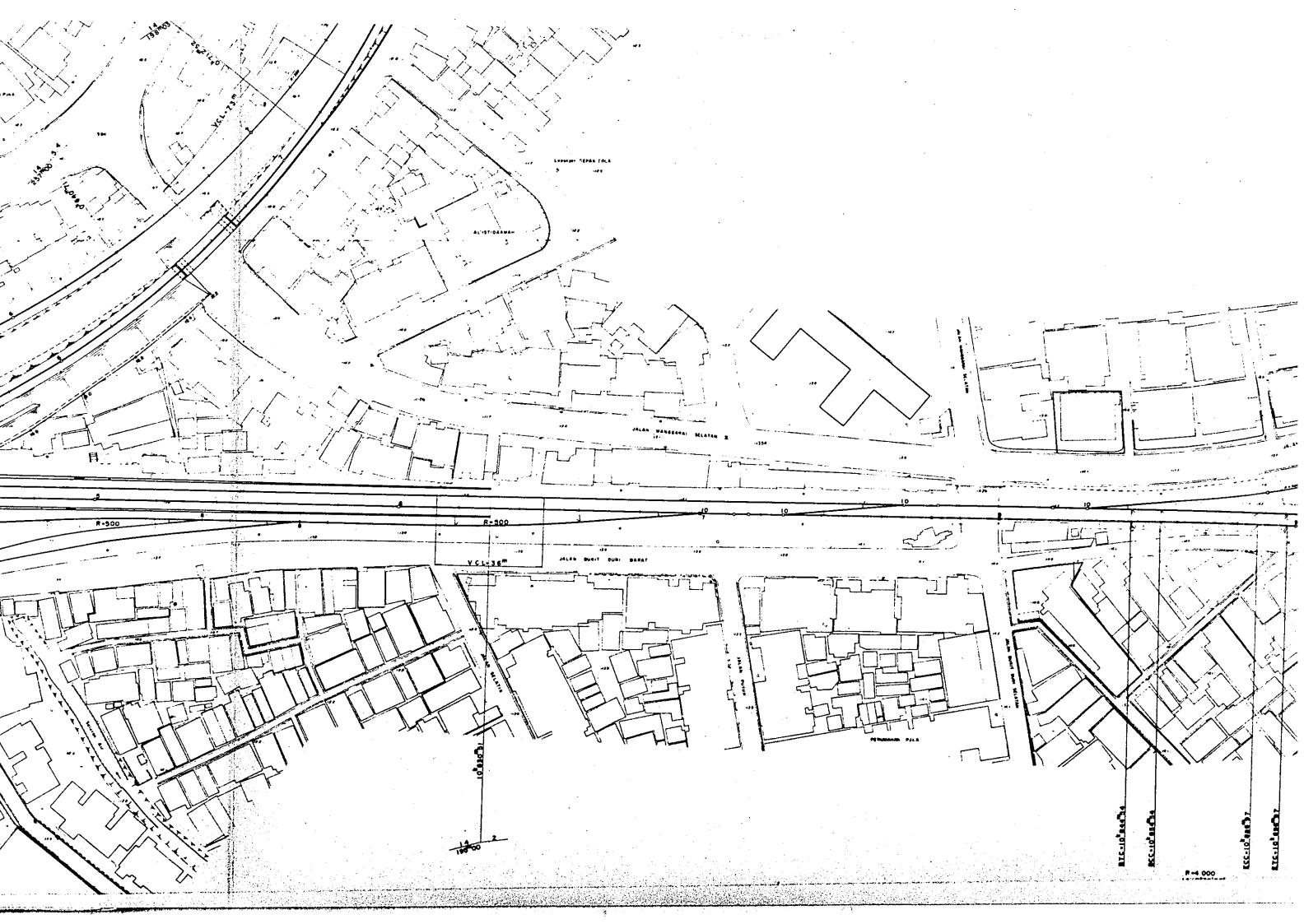


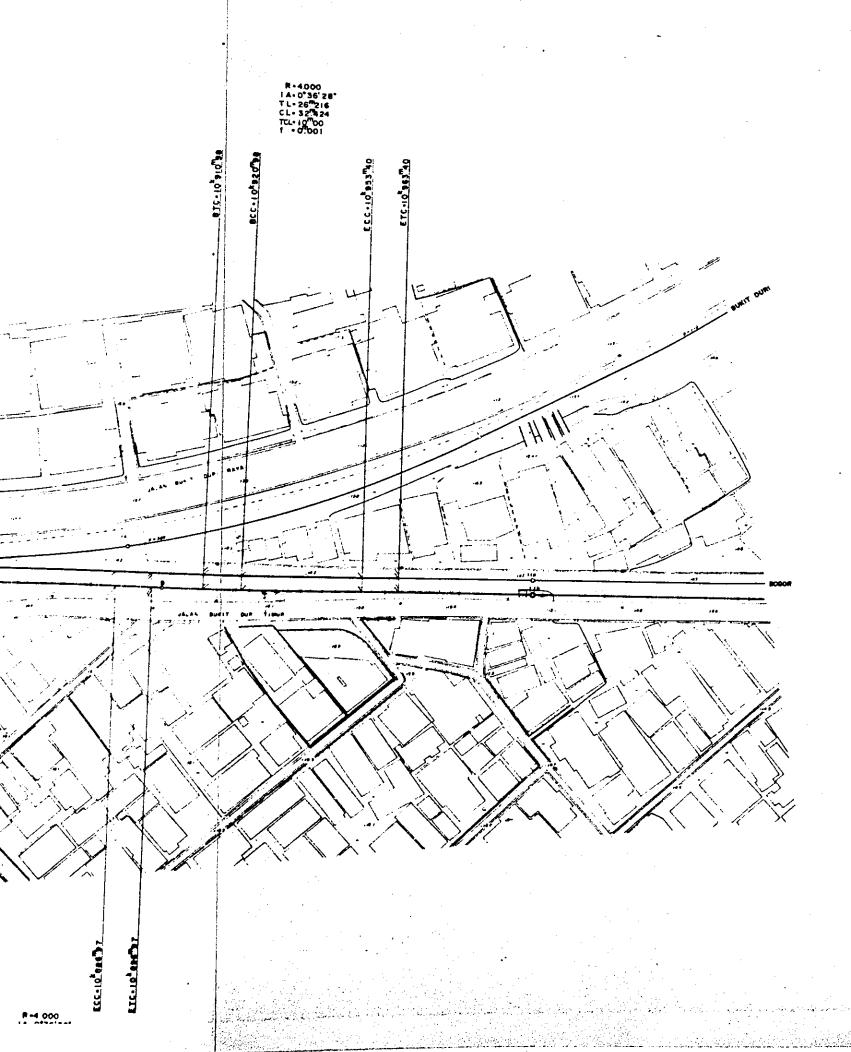




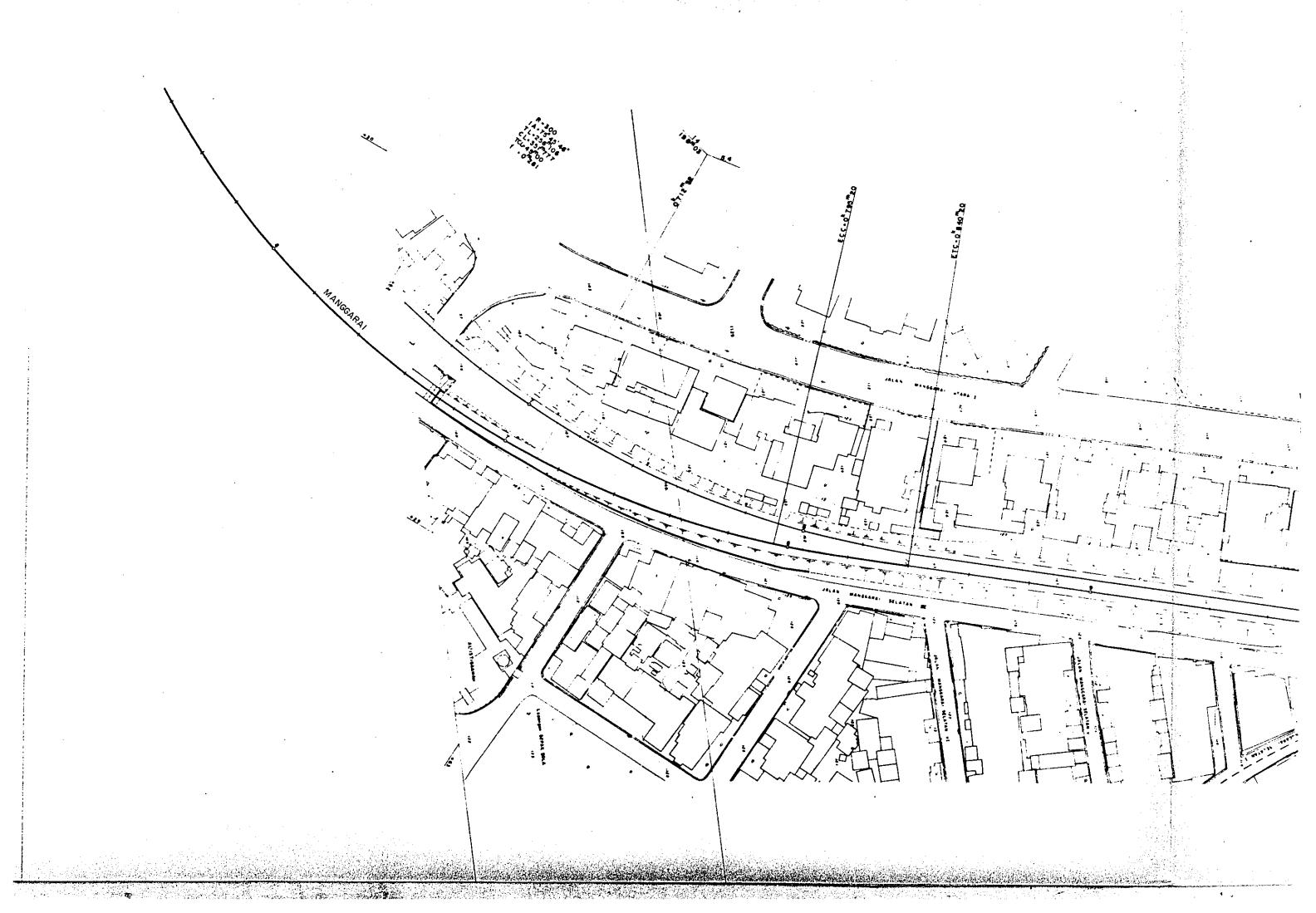


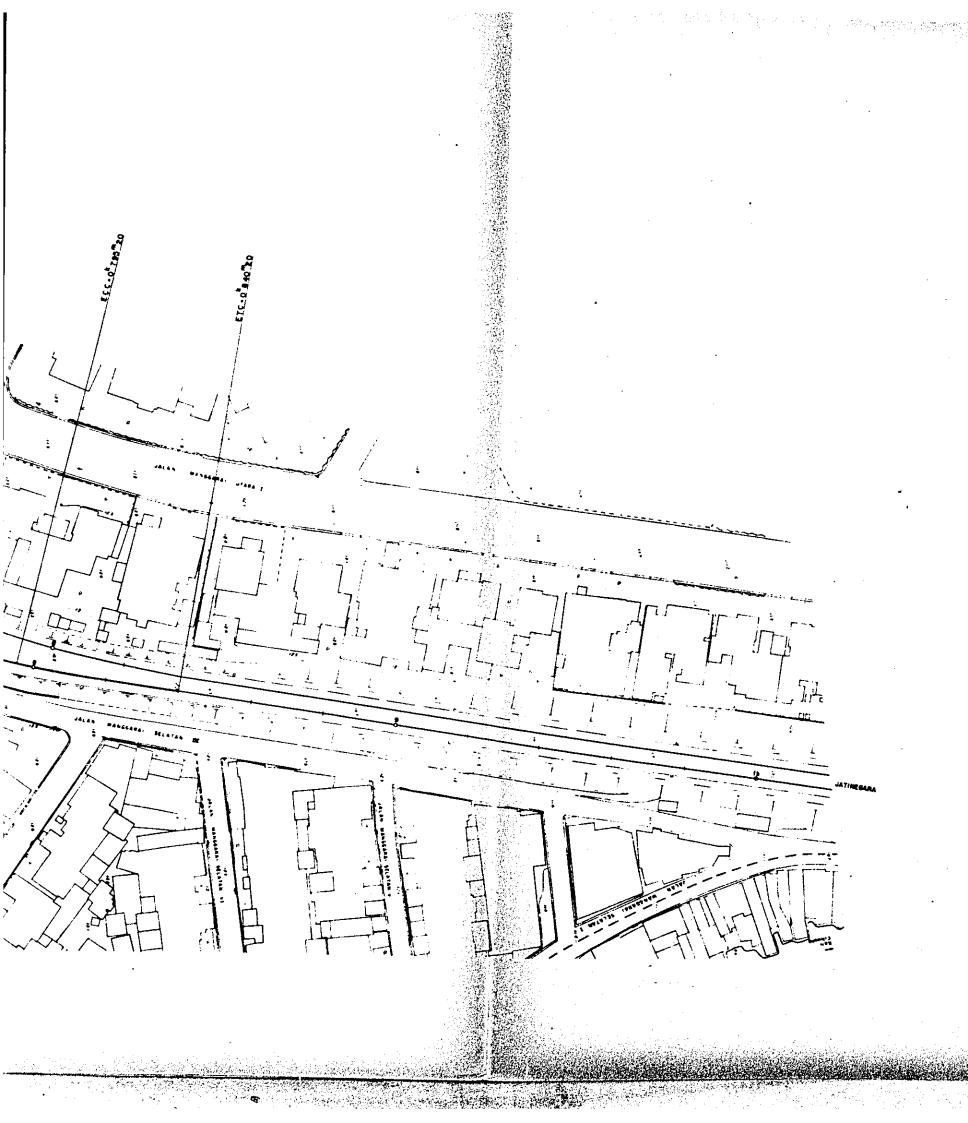




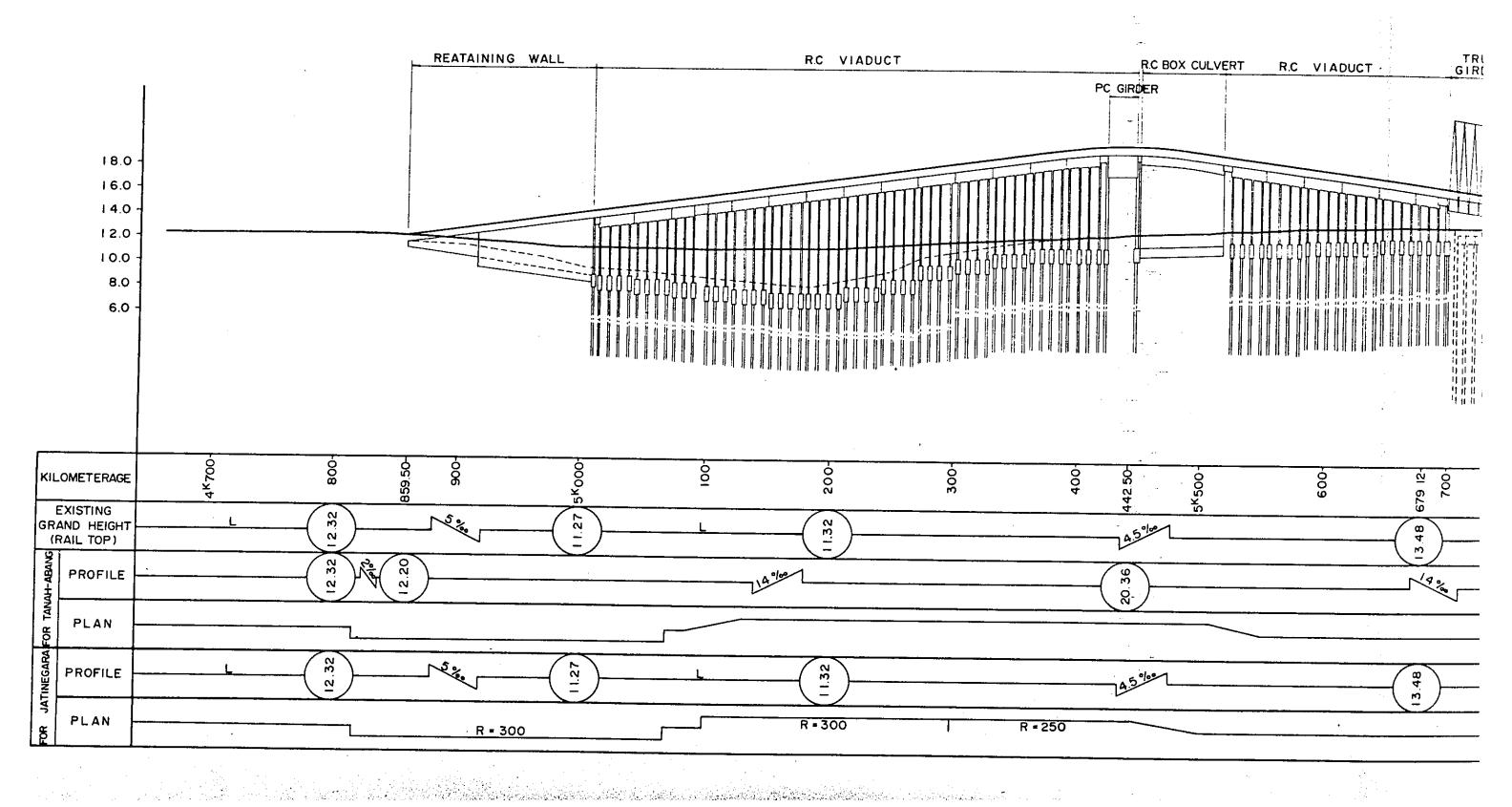


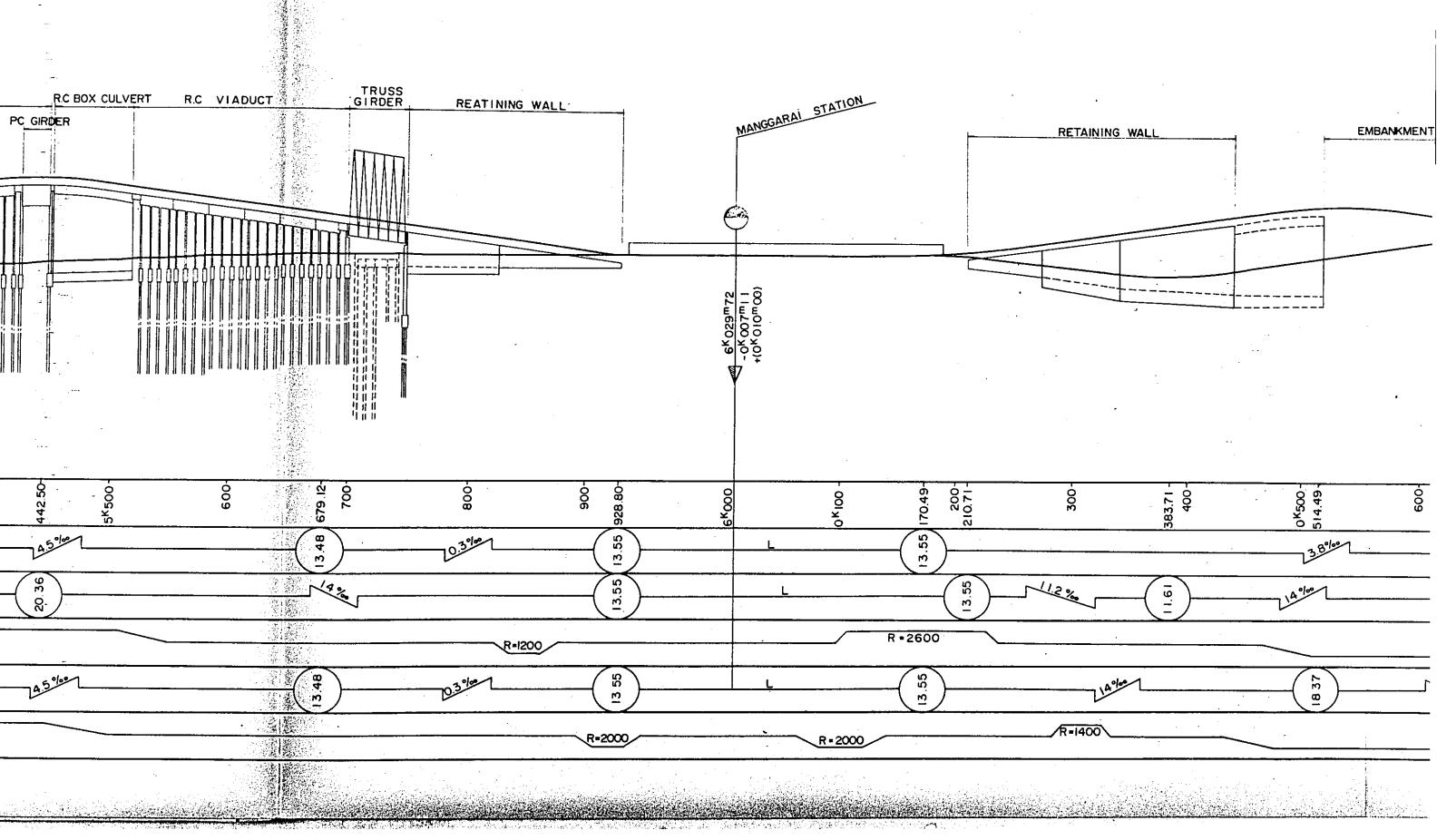
PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION			
DESCRIPT.ION	PLAN (3) (INCLUDING REQUIRED RIGHT-OF-WAY)			
SCALE	1:1,000			
DRAWING No.	Dwg. 1. 4			
JAPAN INTERNATIONAL COOPERATION AGENCY				

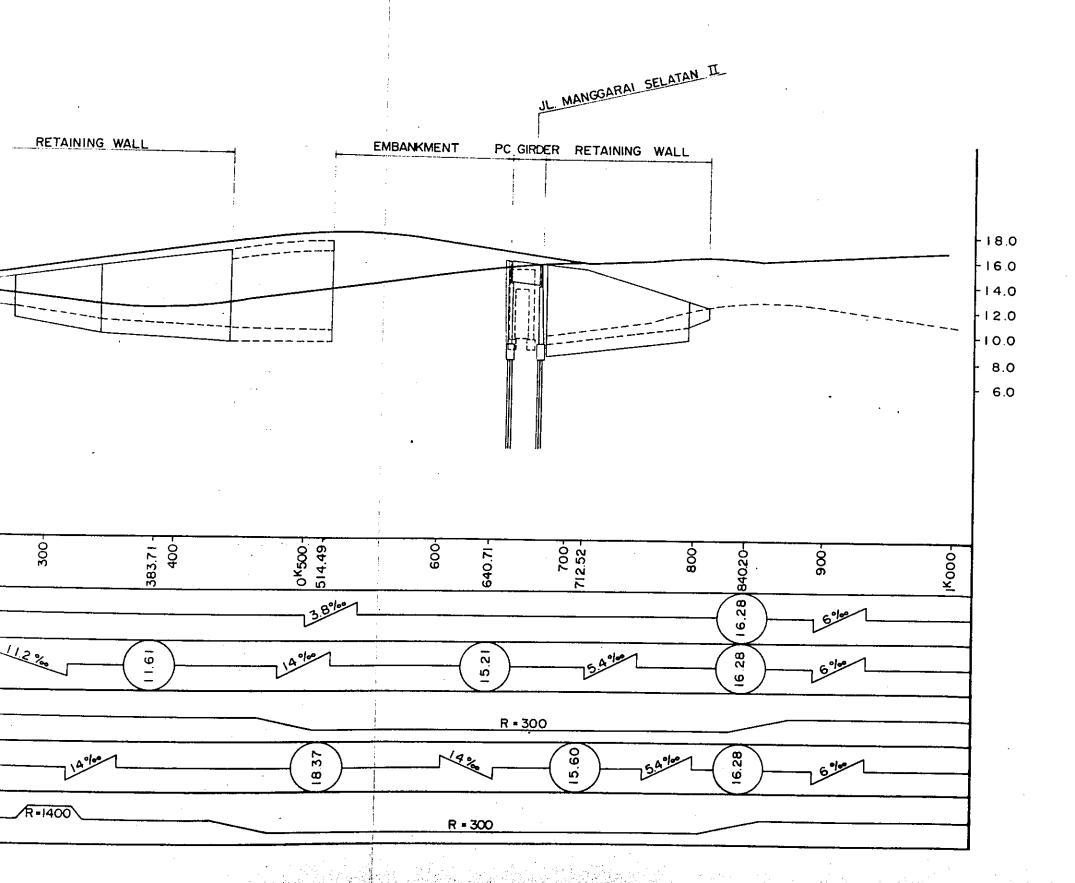




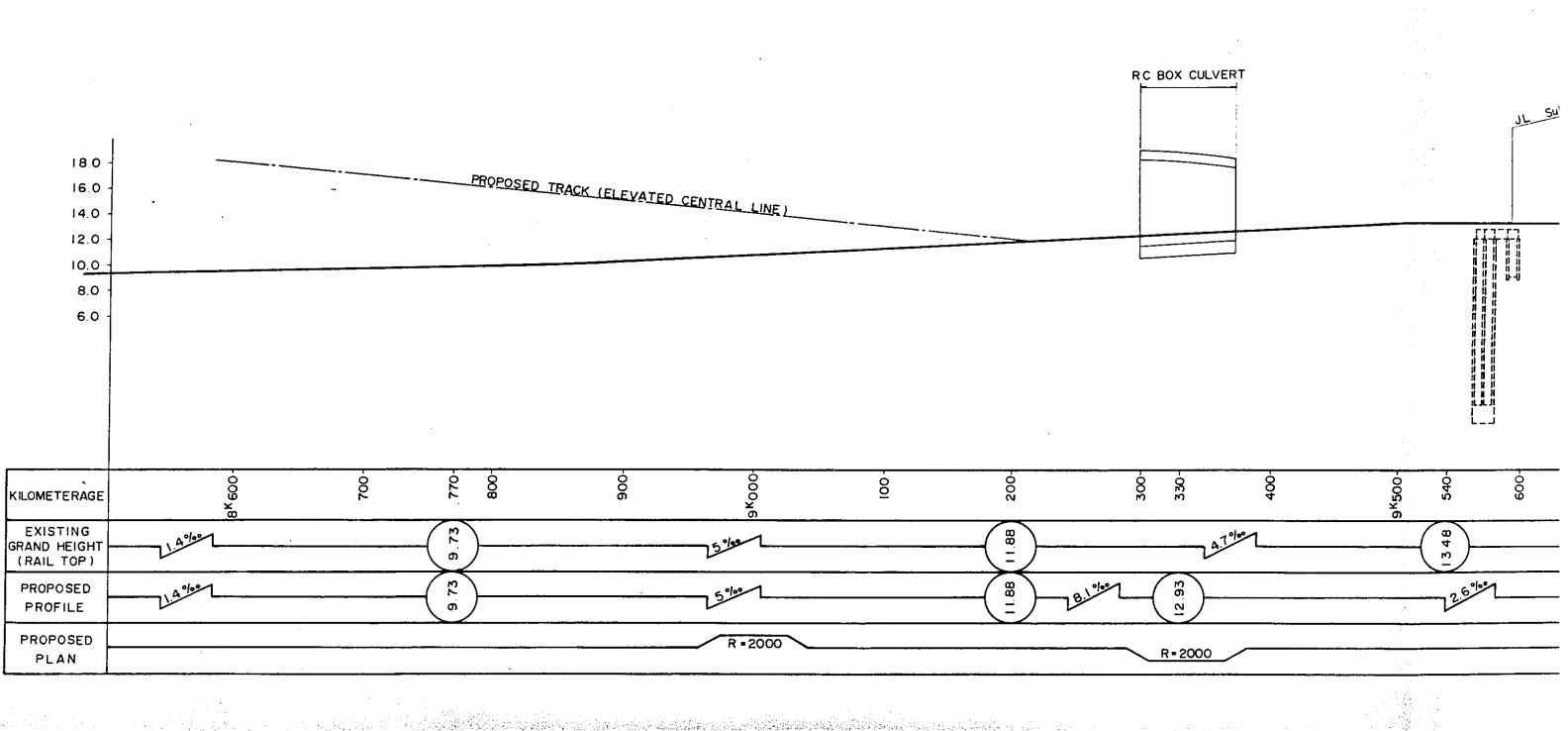
PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION			
DESCRIPTION	PLAN (4) (INCLUDING REQUIRED RIGHT-OF-WAY)			
SCALE	1 : 1.000			
DRAWING No.	Dwg. 1. 5			
JAPAN INTERNATIONAL COOPERATION AGENCY				

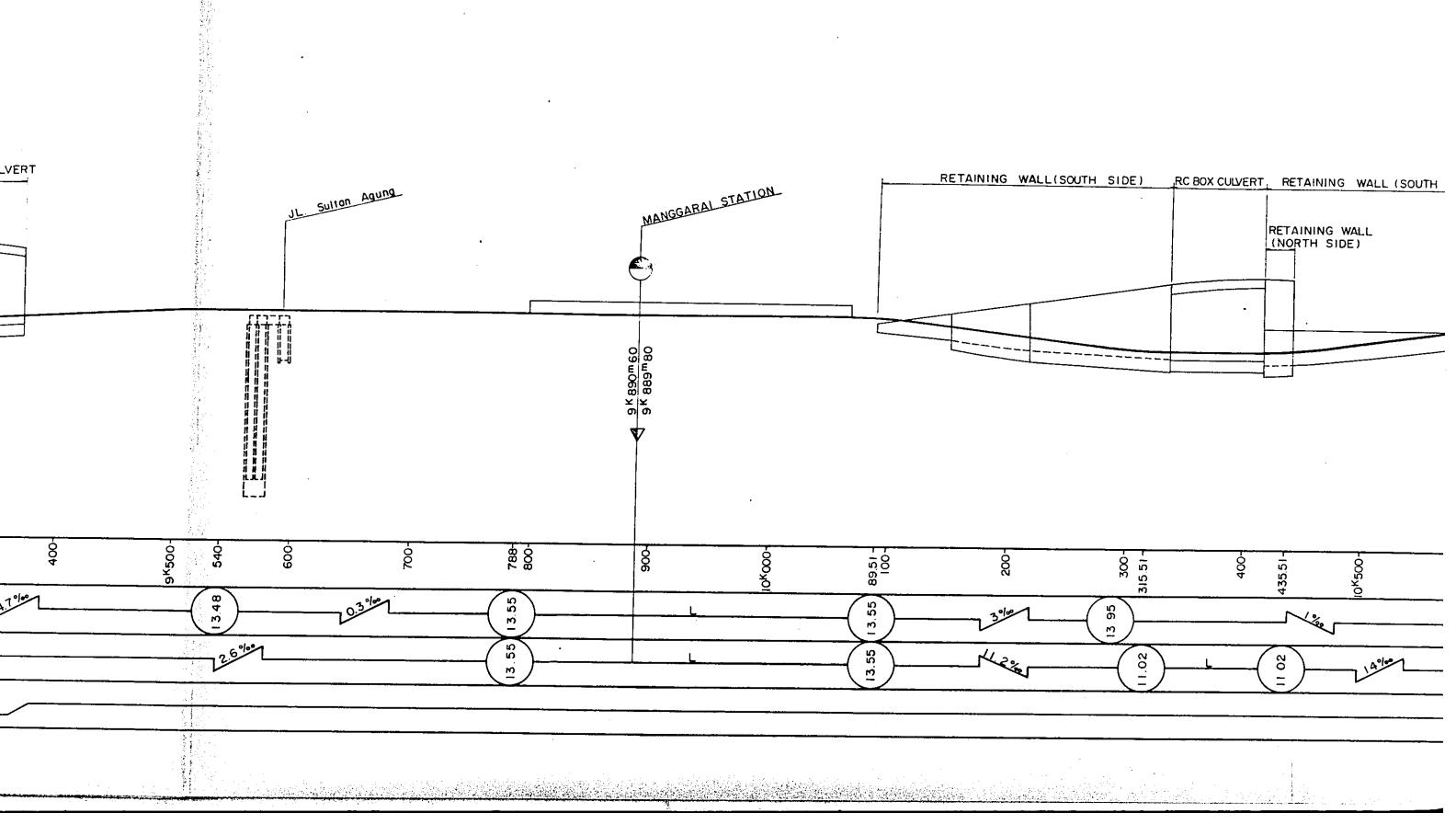


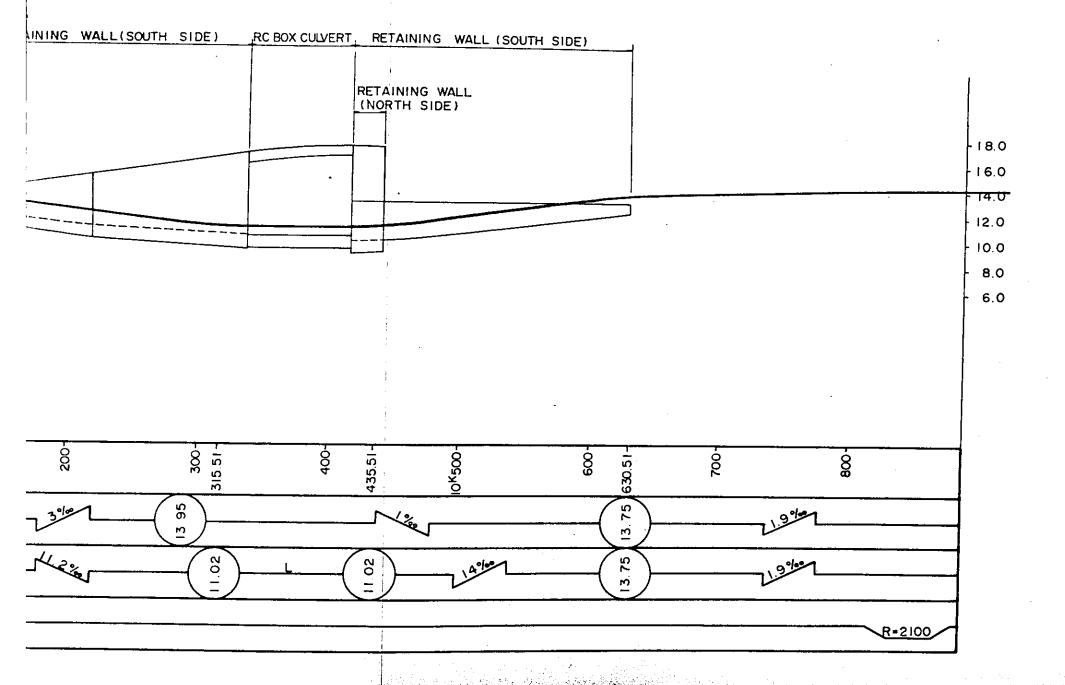




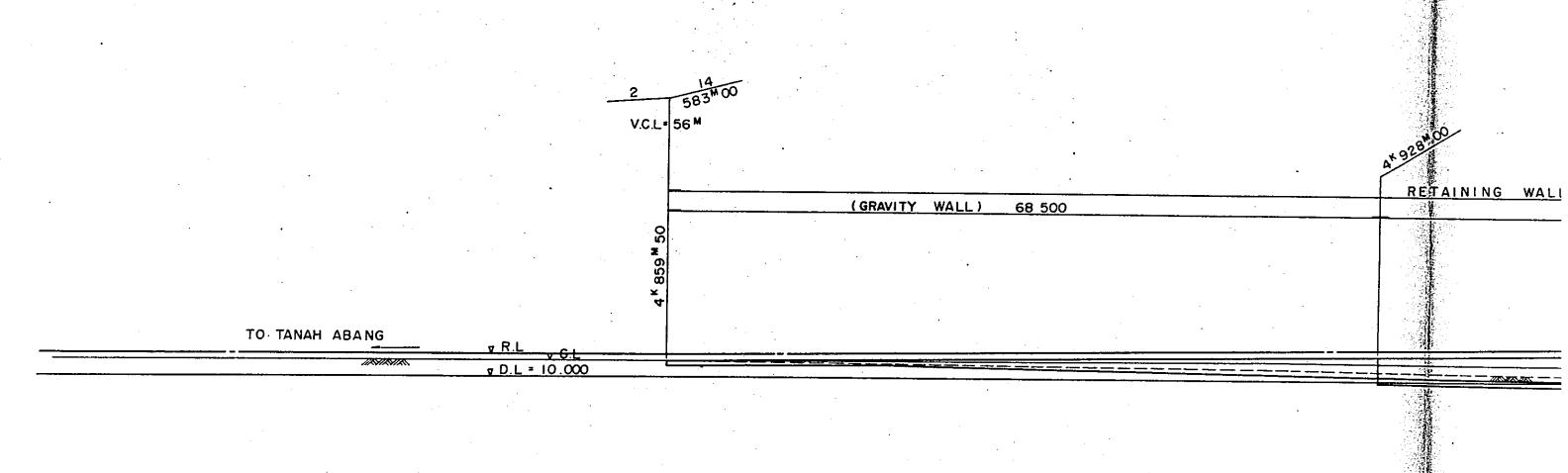
PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION			
DESCRIPTION	(WESTERN LINE) (I)			
SCALE	DIFFERENT REDUCTION HORIZONTAL=1:2000 VERTICAL=1:200			
DRAWING No.	Dwg. 1. 6			
JAPAN INTERNATIONAL COOPERATION AGENCY				

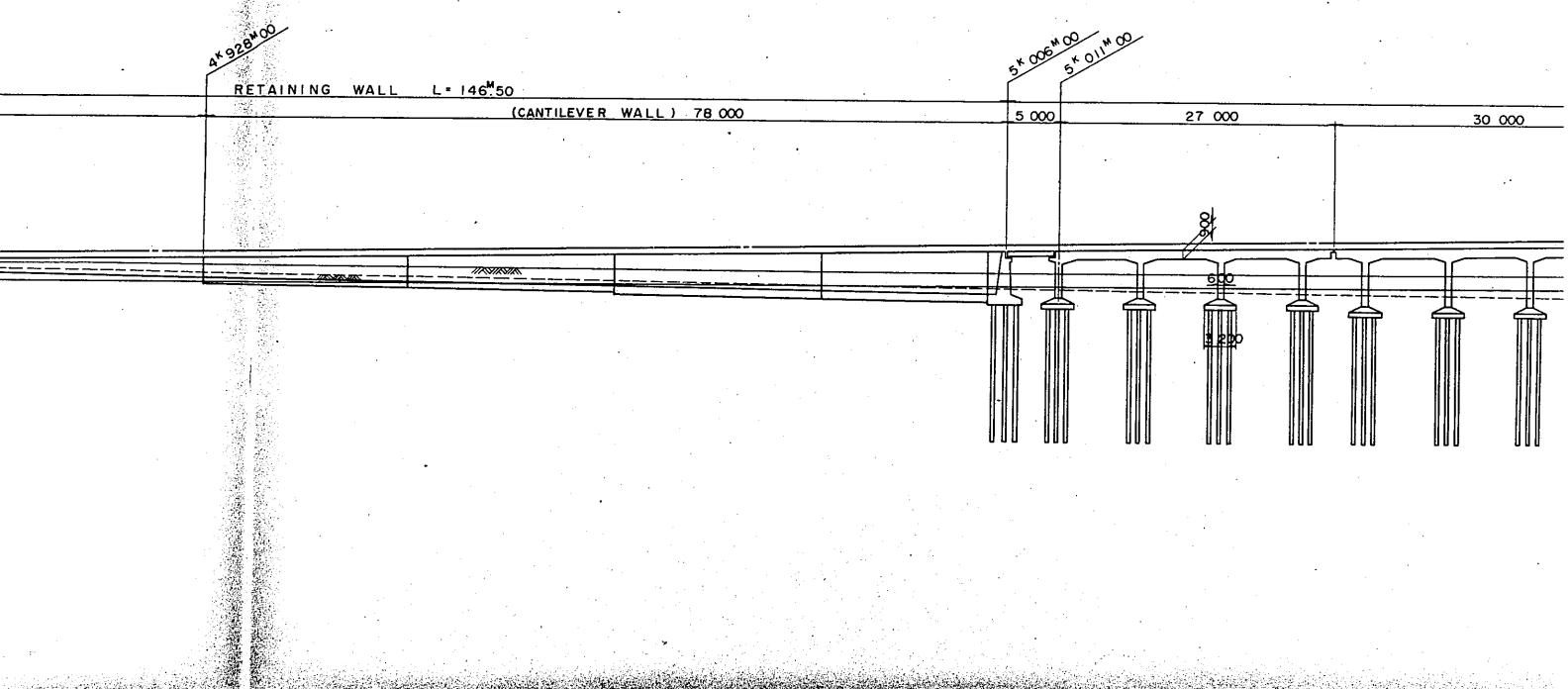


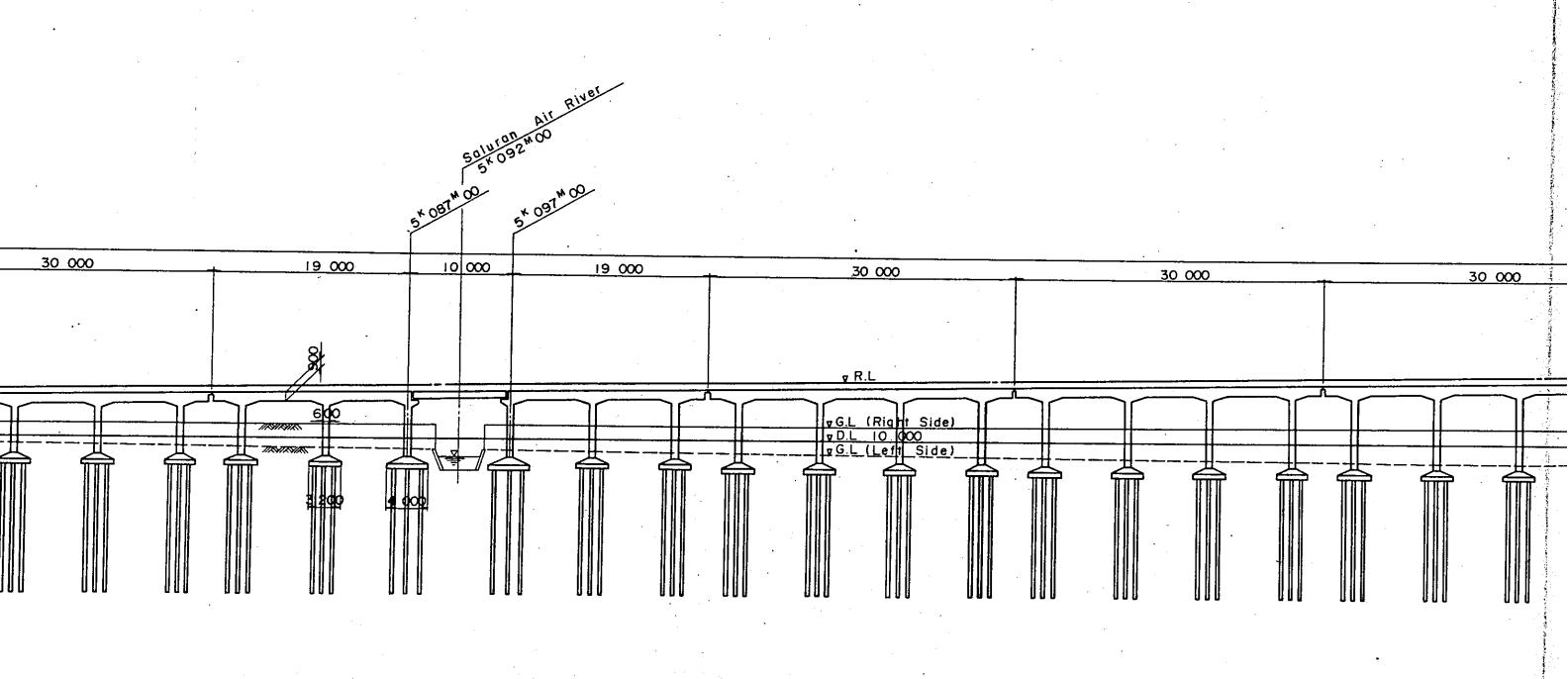


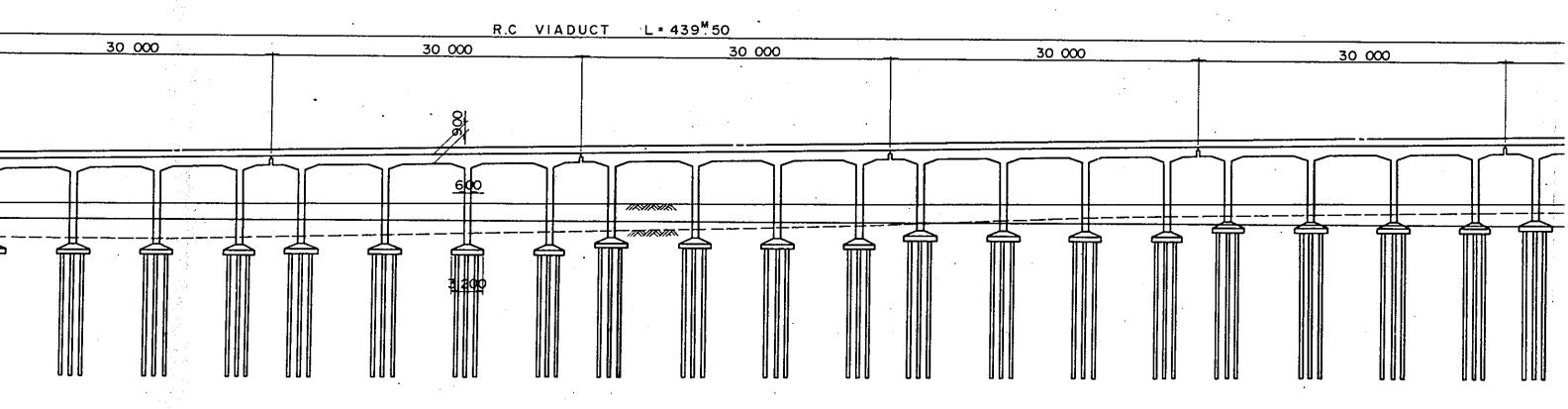


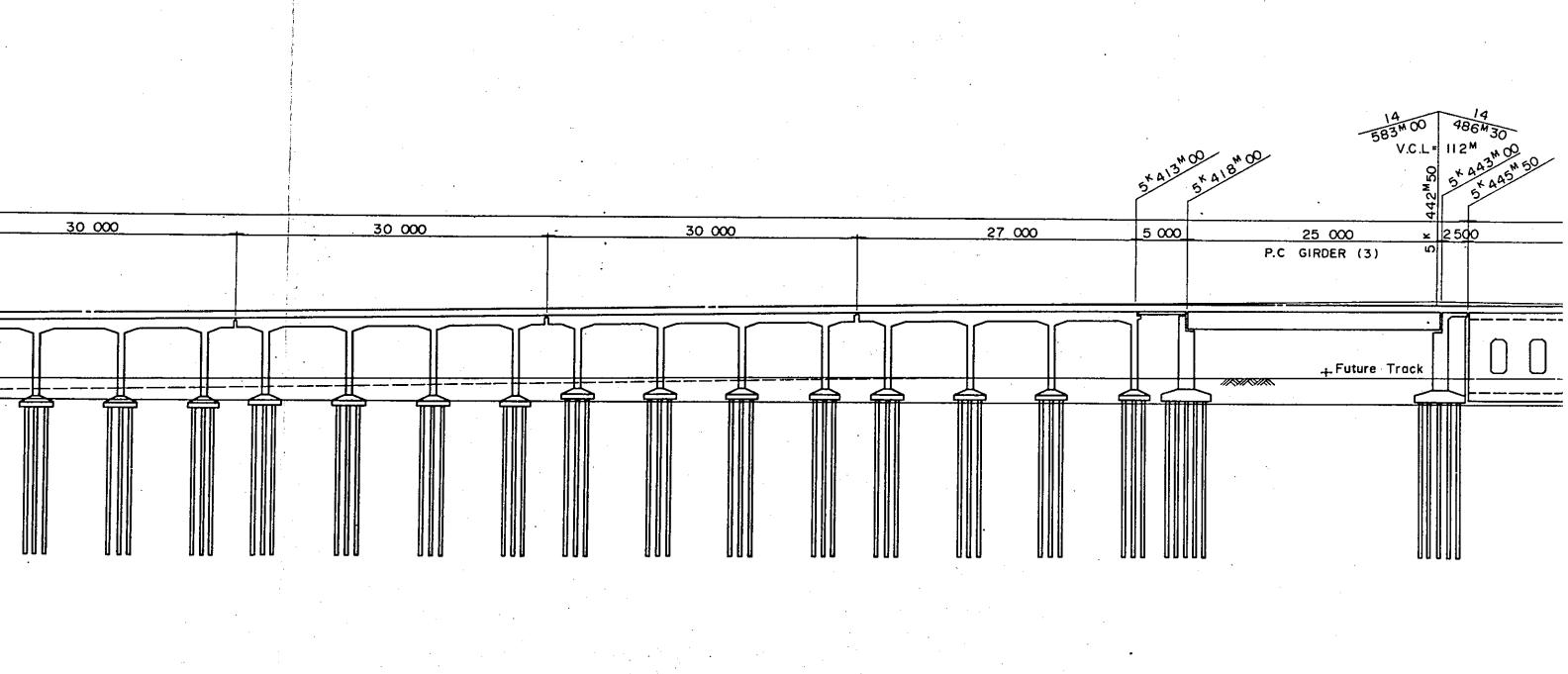
	,		
PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION		
DESCRIPTION	CENTRAL LINE) (2)		
SCALE	DIFFERENT REDUCTION HORIZONTAL 1:2000 VERTICAL 1:200		
DRAWING No.	Dwg.1. 7		
JAPAN INTERNATIONAL COOPERATION AGENCY			

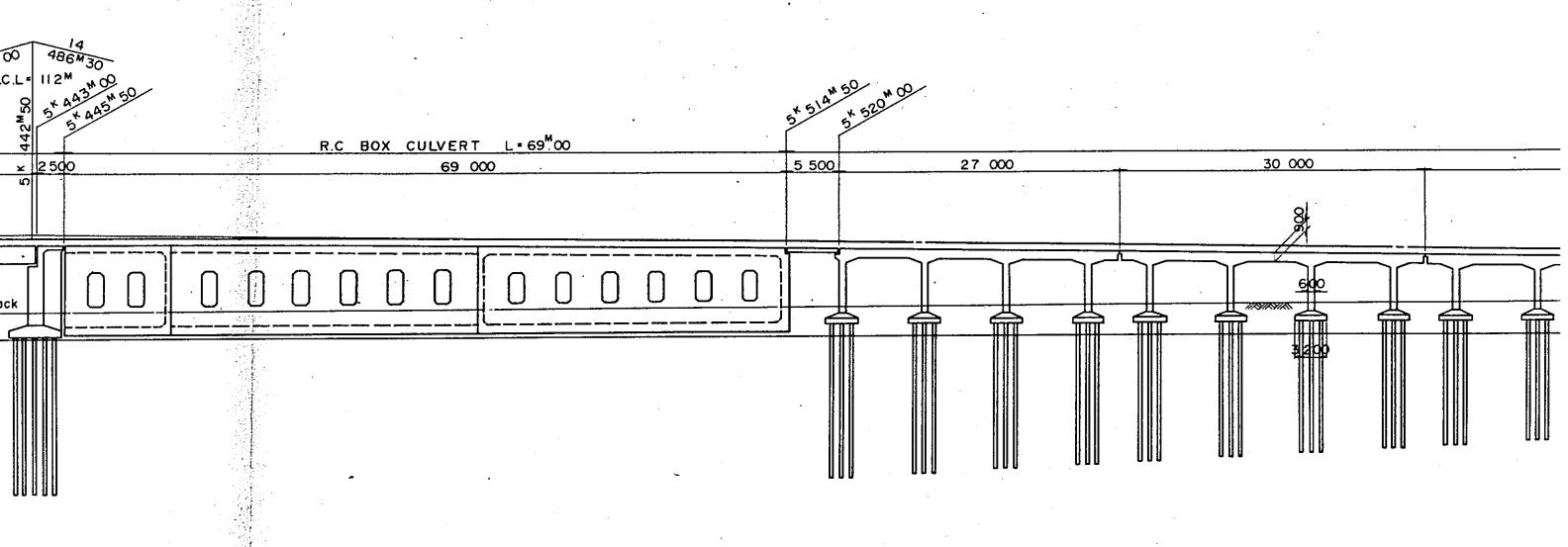


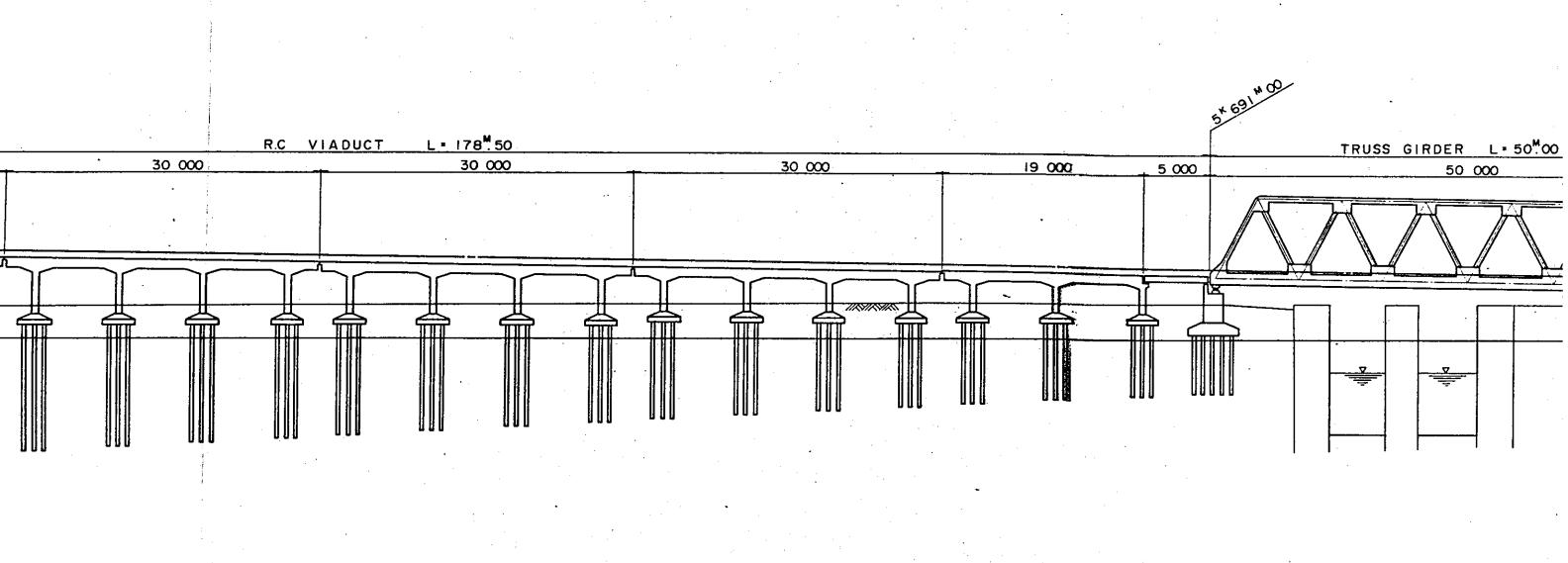


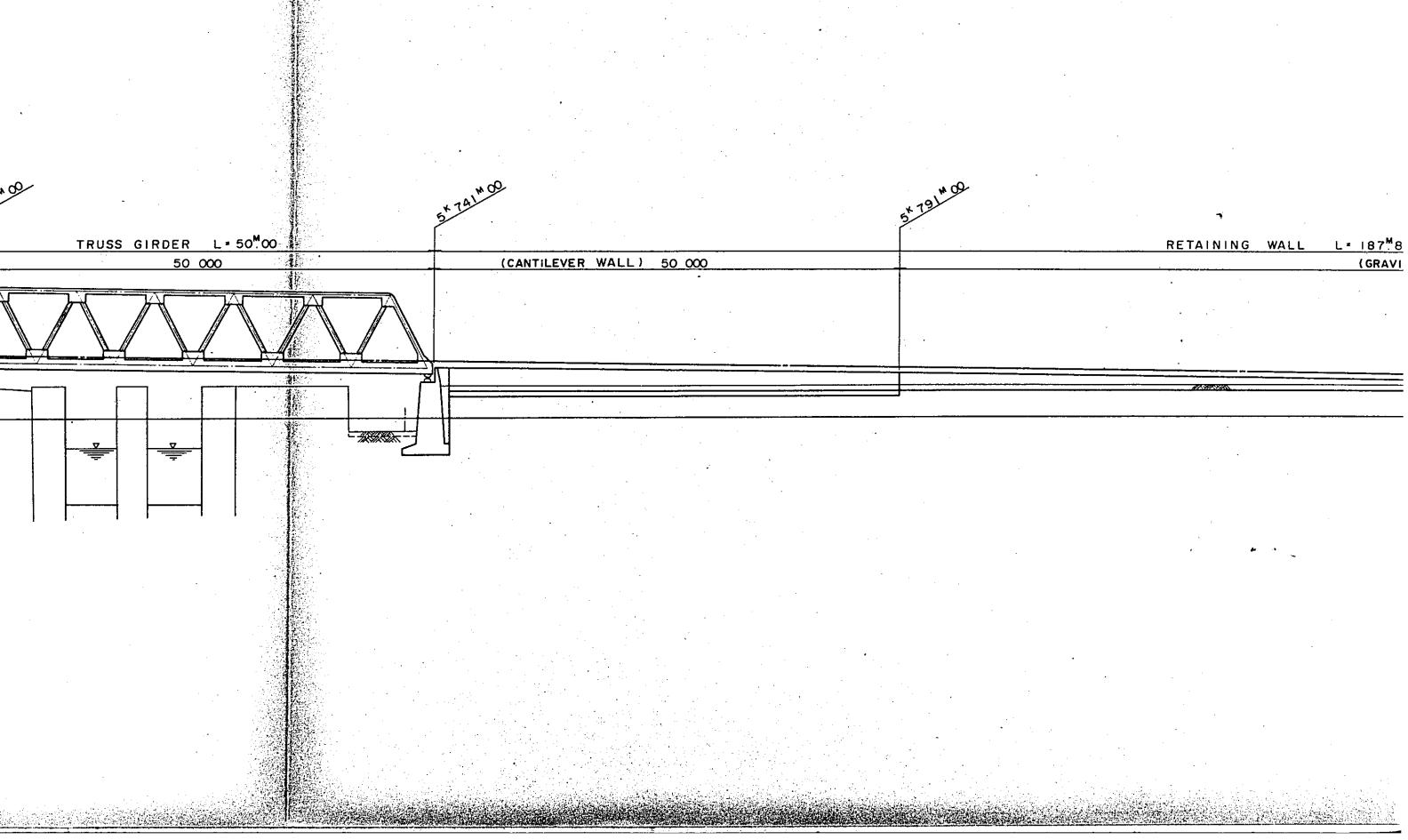


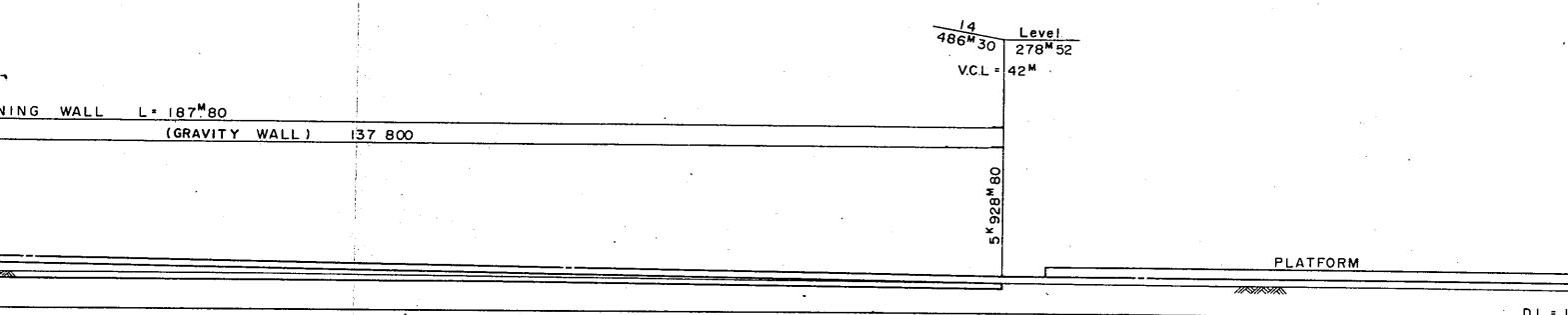










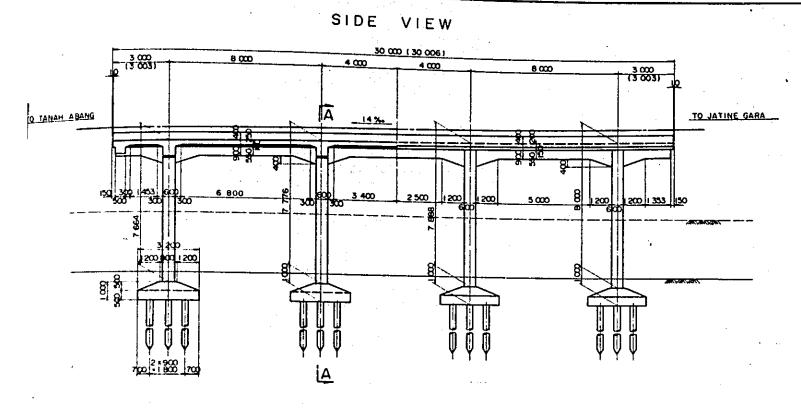


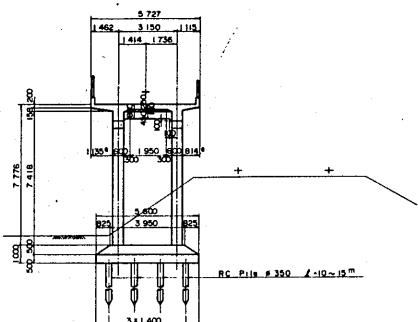
D.L = 10

PLATFORM

D.L = 10.00

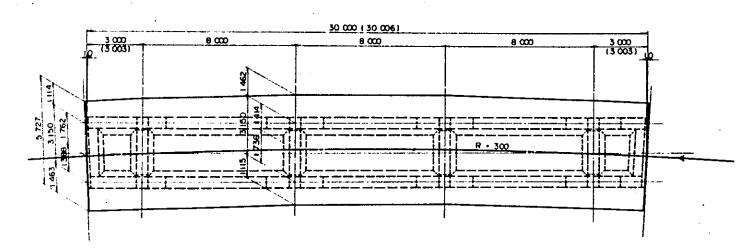
PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION		
DESCRIPTION	GENERAL VI	EW	
SCALE	1 : 250	DIFFERENT REDUCTION	
DRAWING No.	Dwg.1. 8		
JAPAN INTER	NATIONAL COOPERAT	TION AGENCY	



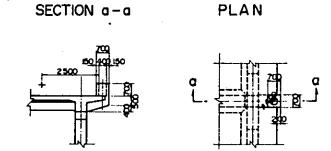


SECTION A-A

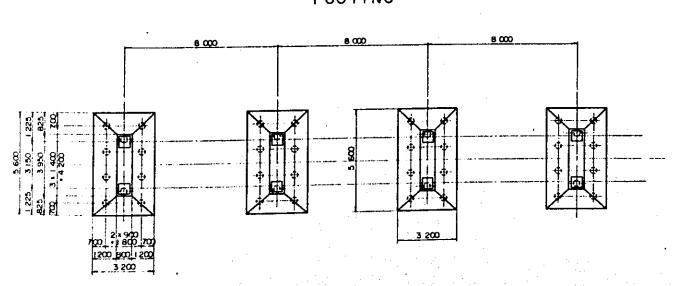
PLAN



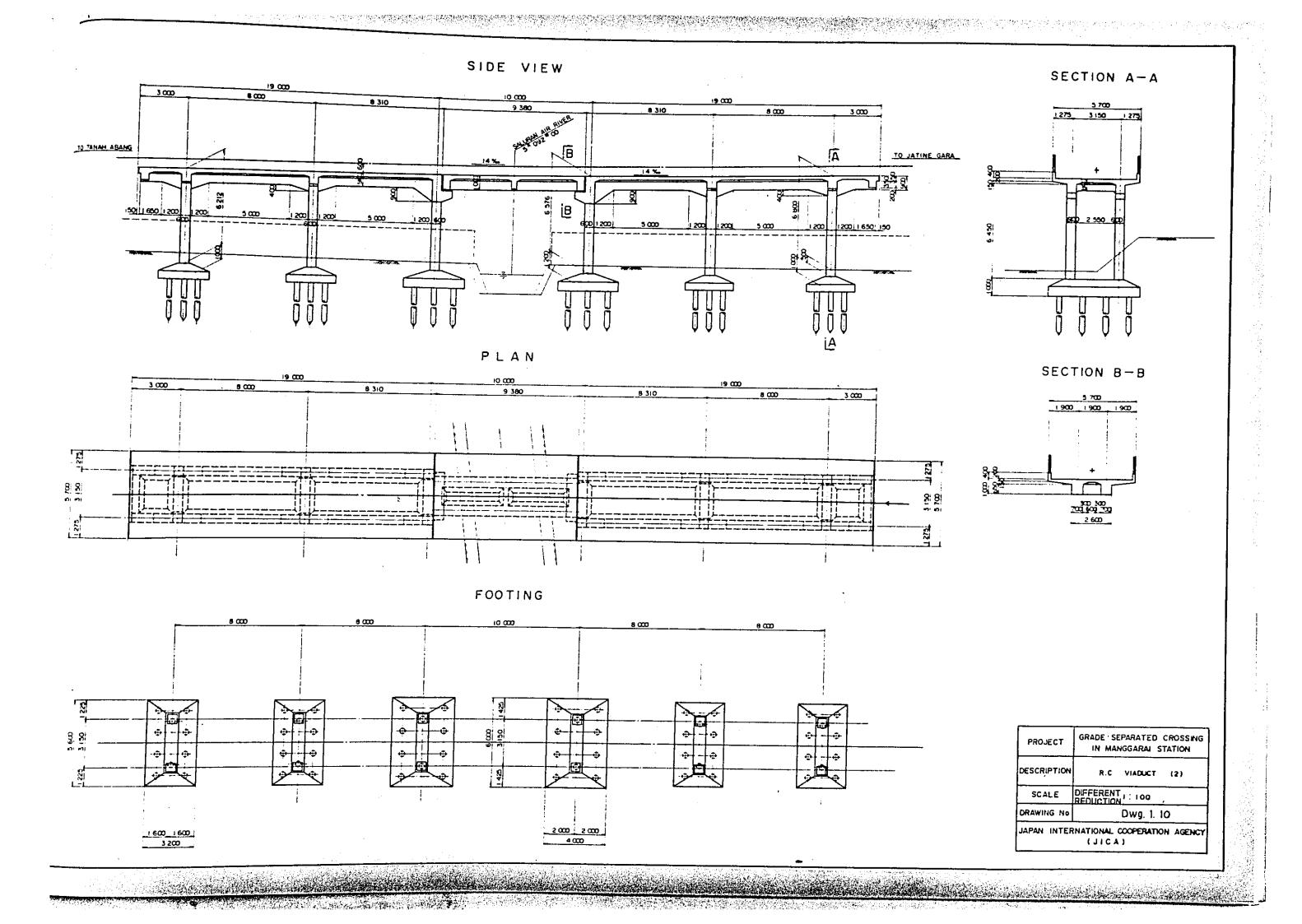
ELECTRIC POLE FOUNDATION

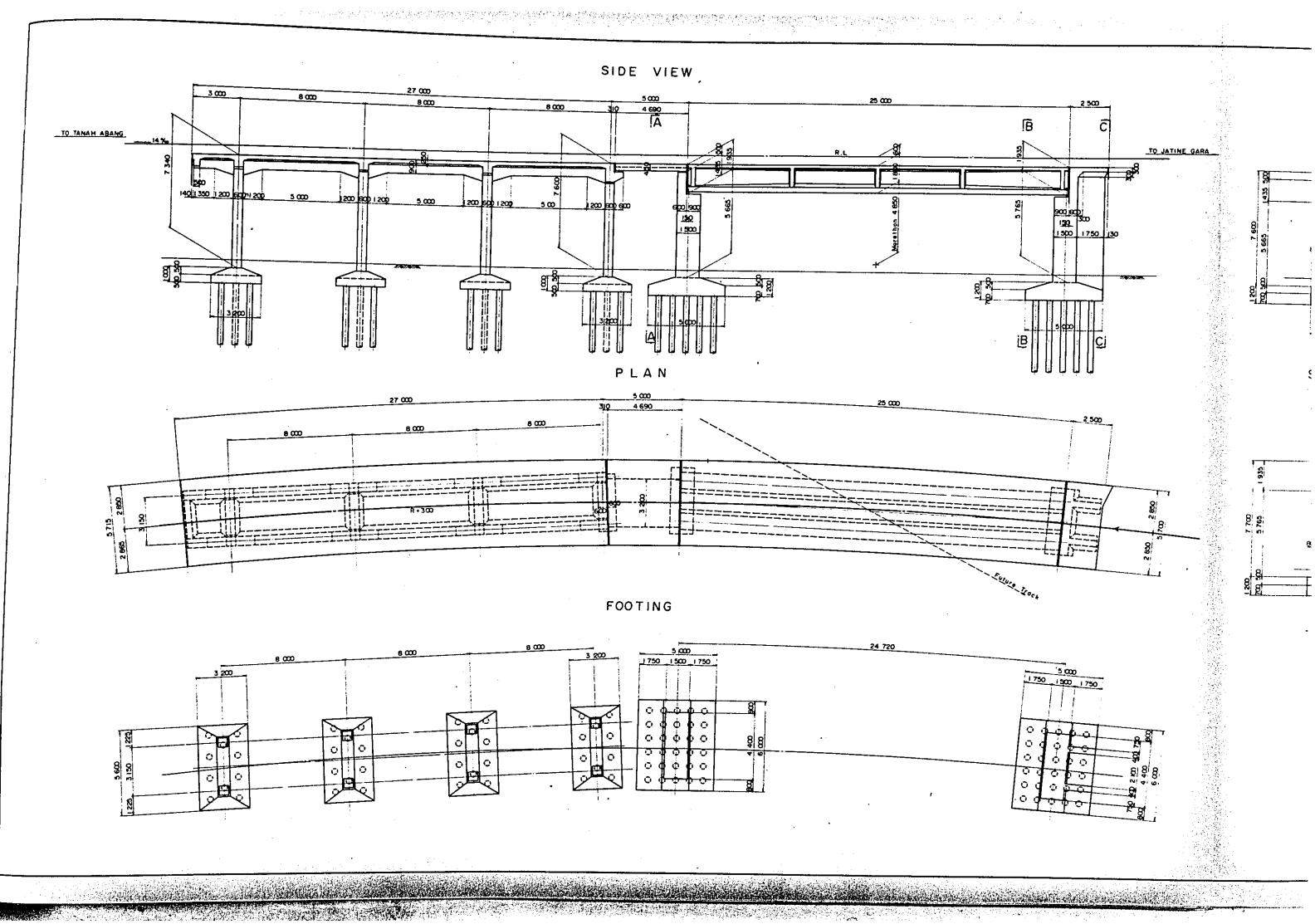


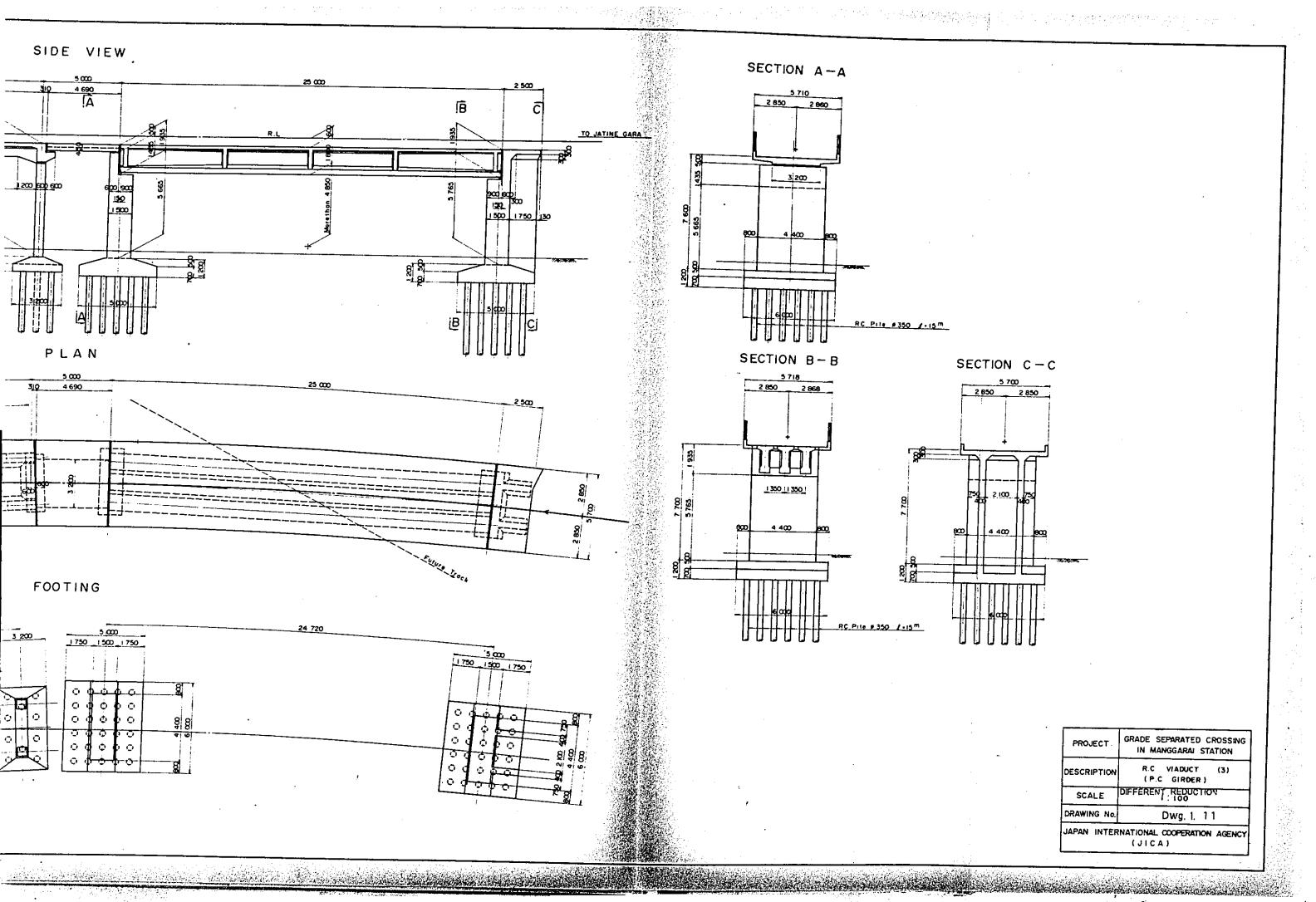
FOOTING

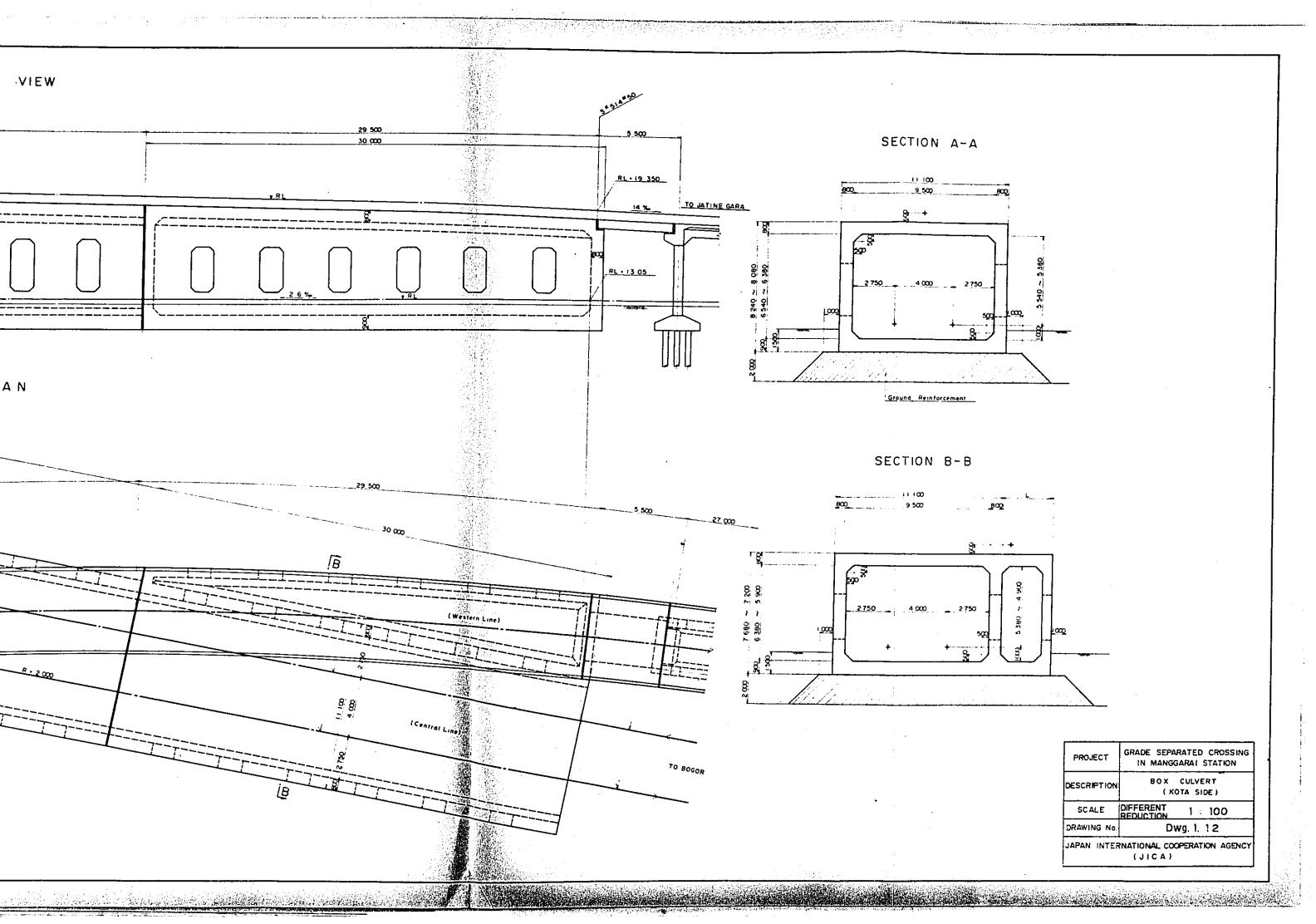


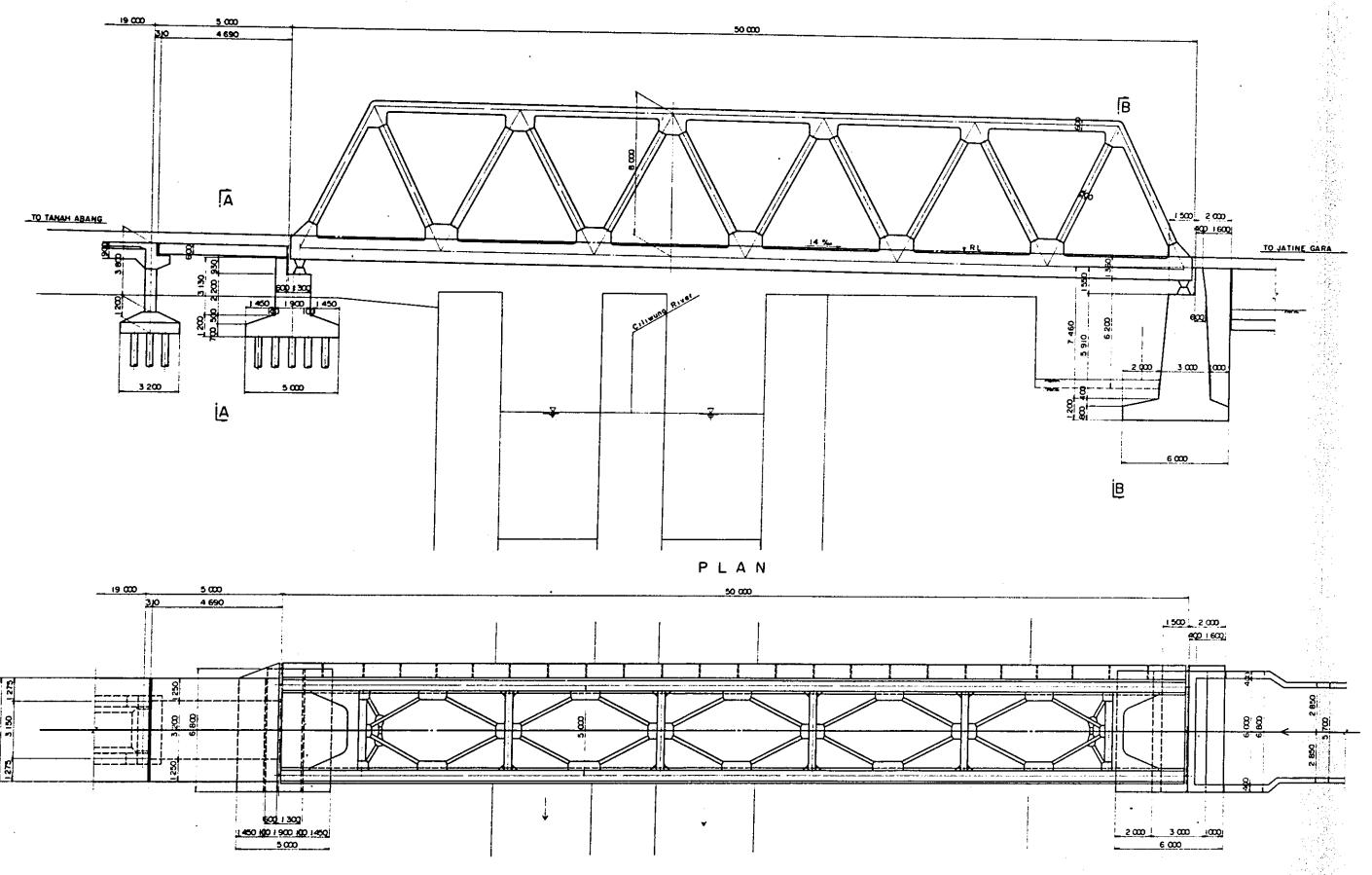
PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION	
DESCRIPTION	R C VIADUCT (1)	
SCALE	DIFFERENT 1: 100	
DRAWING No.	Dwg. 1, 9	
JAPAN INTER	RNATIONAL COOPERATION AGENC	



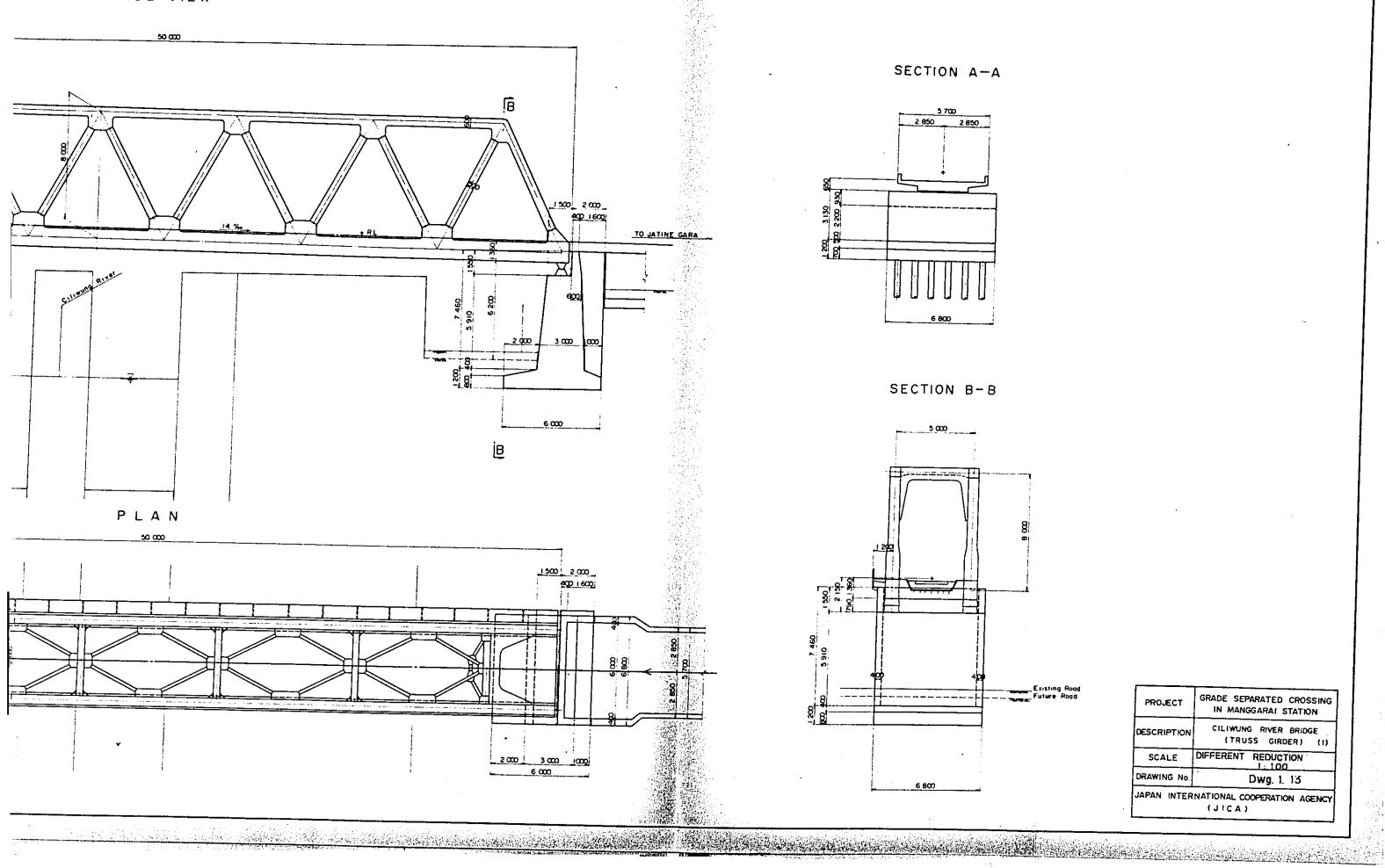




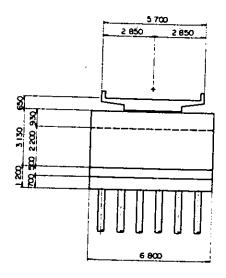




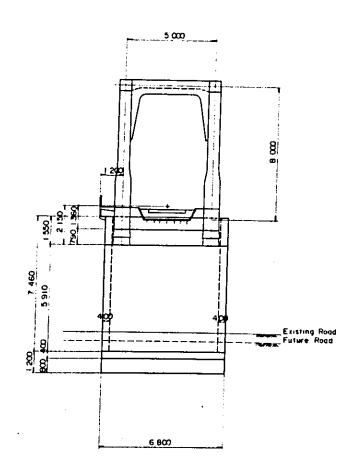
SIDE VIEW



SECTION A-A

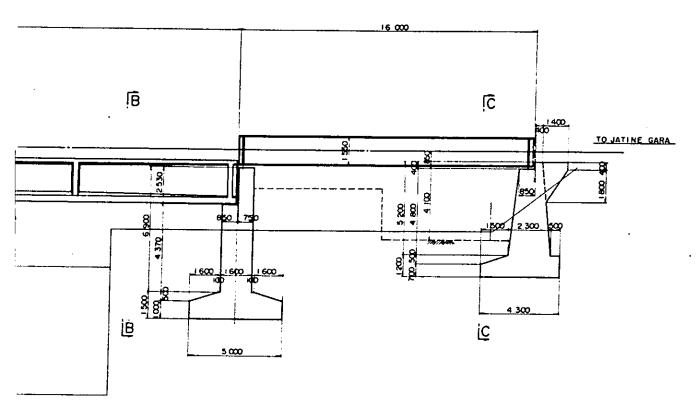


SECTION B-B

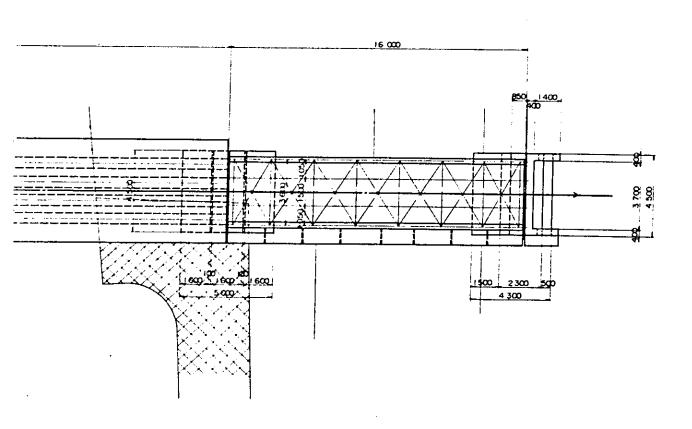


PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION
DESCRIPTION	CILIWUNG RIVER BRIDGE (TRUSS GIRDER) (1)
SCALE	DIFFERENT REDUCTION
DRAWING No.	Dwg. 1, 13
	NATIONAL COOPERATION AGENC

SIDE VIEW

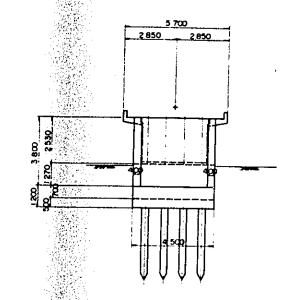


PLAN

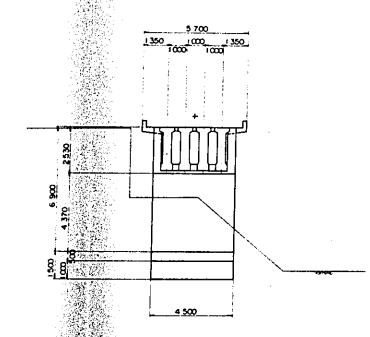


The second secon

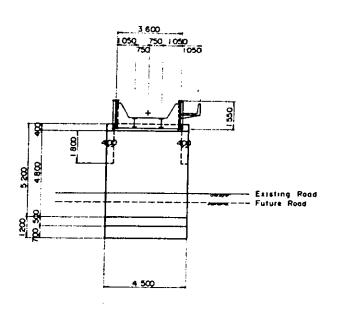
SECTION A-A



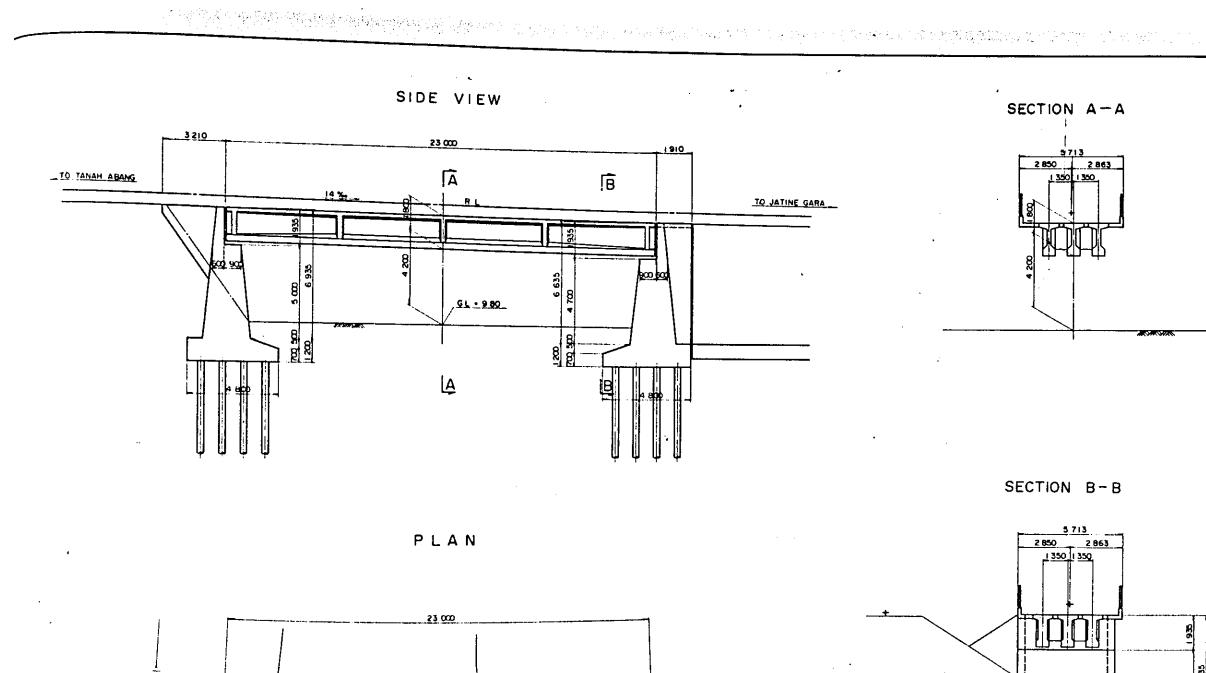
SECTION B-B



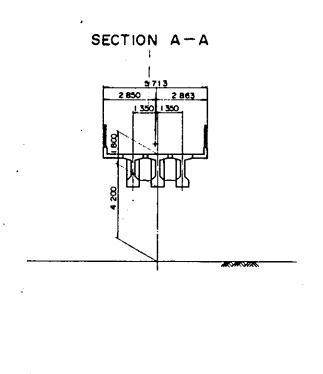
SECTION C-C

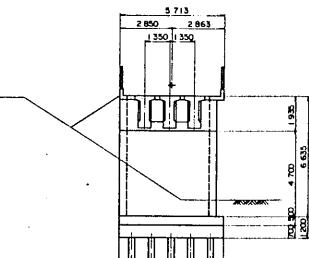


PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION
DESCRIPTION	CILIWUNG RIVER BRIDGE (2) (PC GIRDER & THROUGH GIRDER)
SCALE	DIFFERENT REDUCTION
DRAWING No.	Dwg. 1. 14
JAPAN INTER	NATIONAL COOPERATION AGENCY

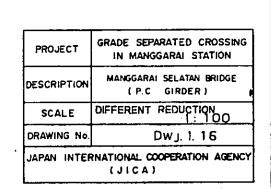


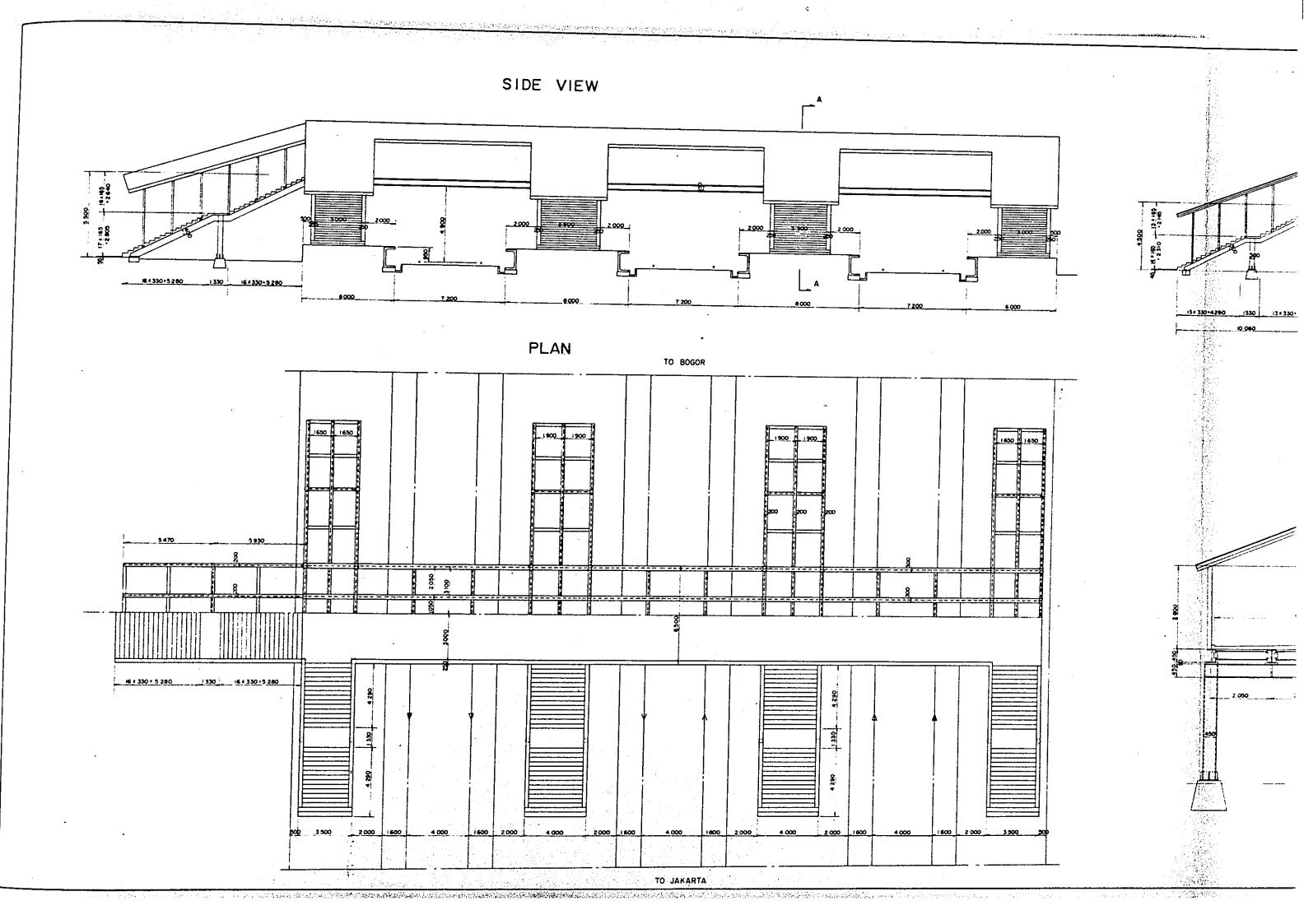
300 600/900 2 000

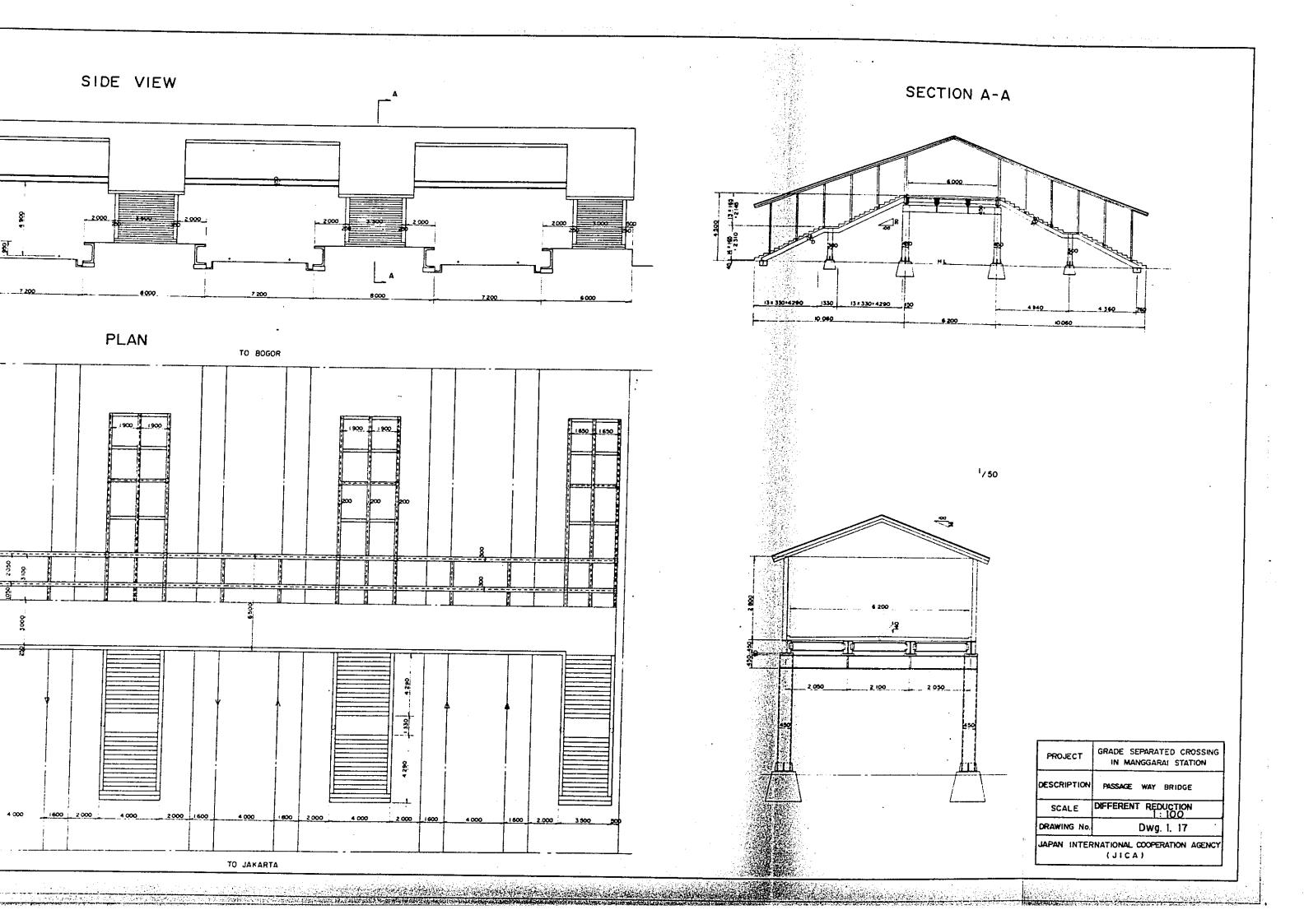




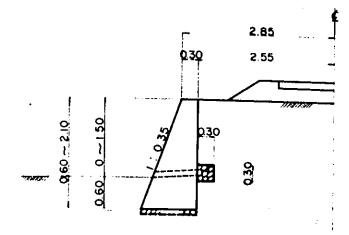
SECTION B-B



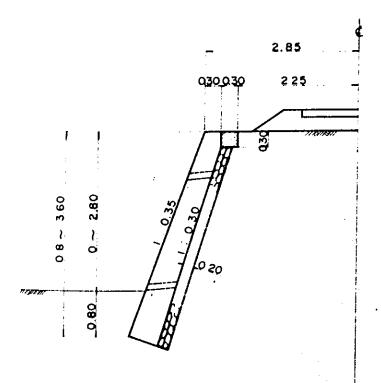




GRAVITY WALL (EMBANKMENT)



SEMI-GRAVITY WALL (CUT)



CANTILEVER WALL (EMBANKMENT)

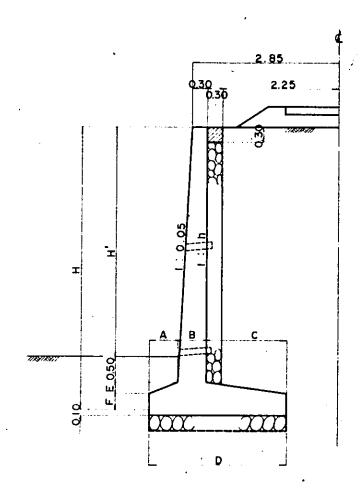
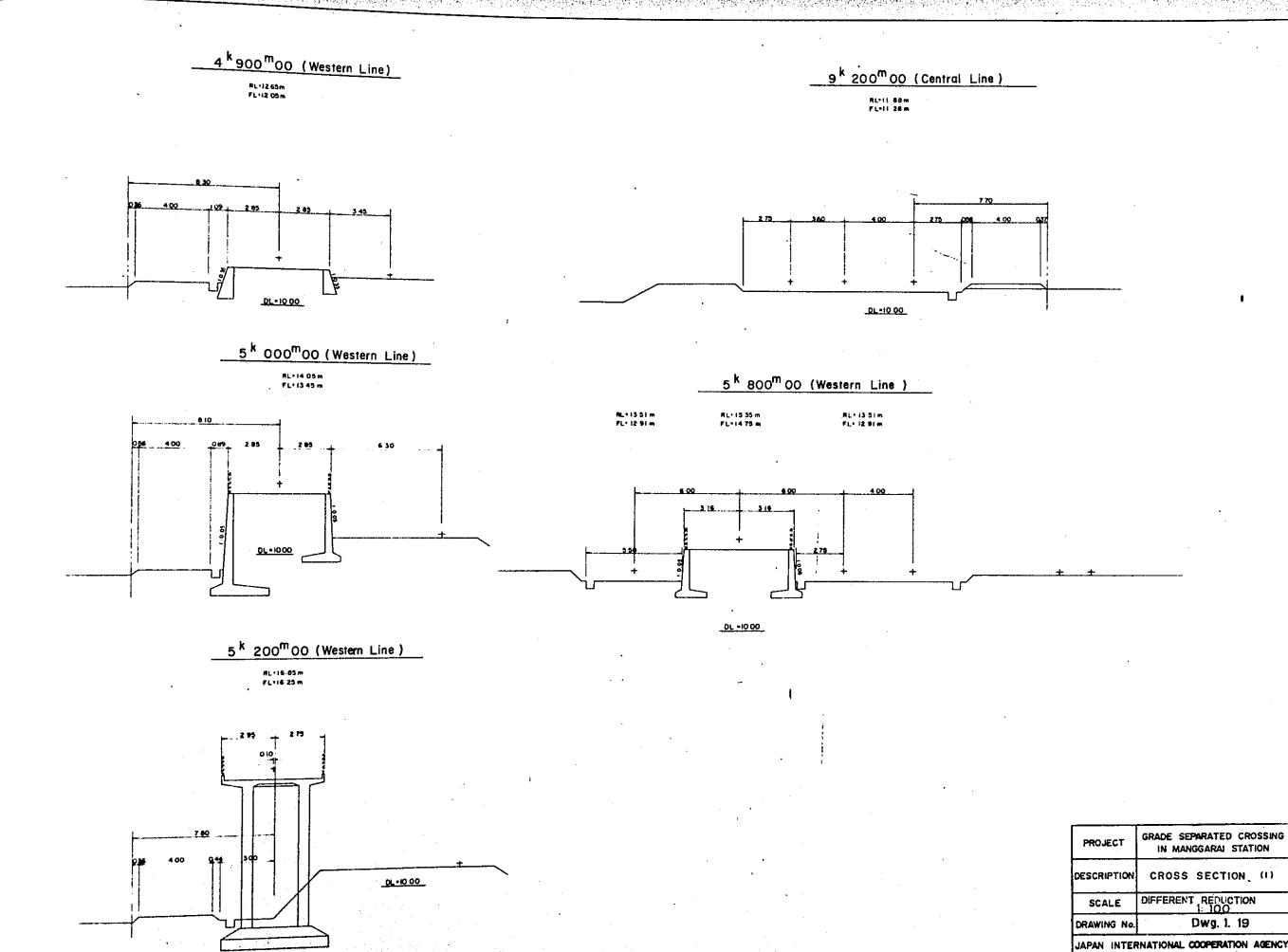
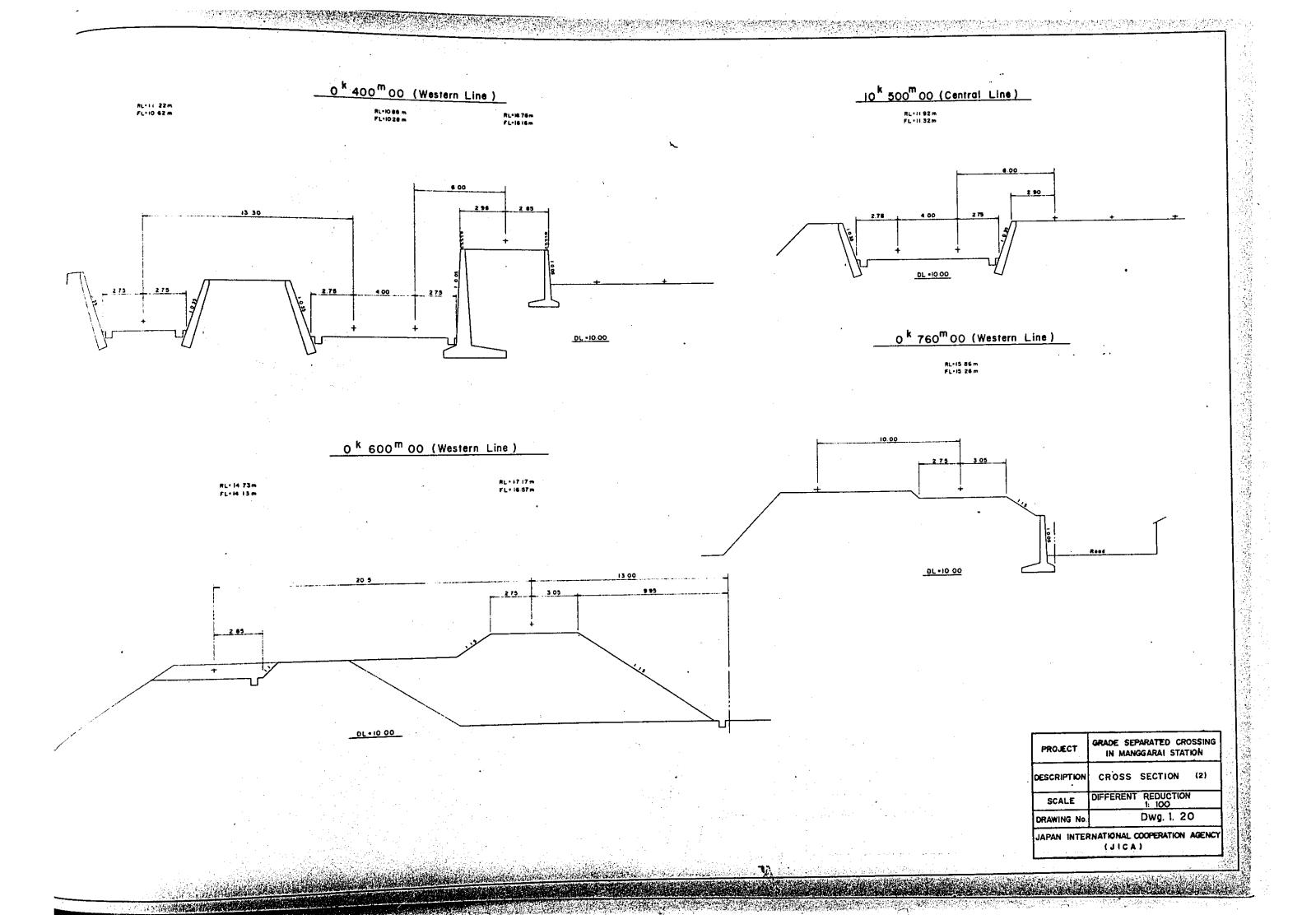


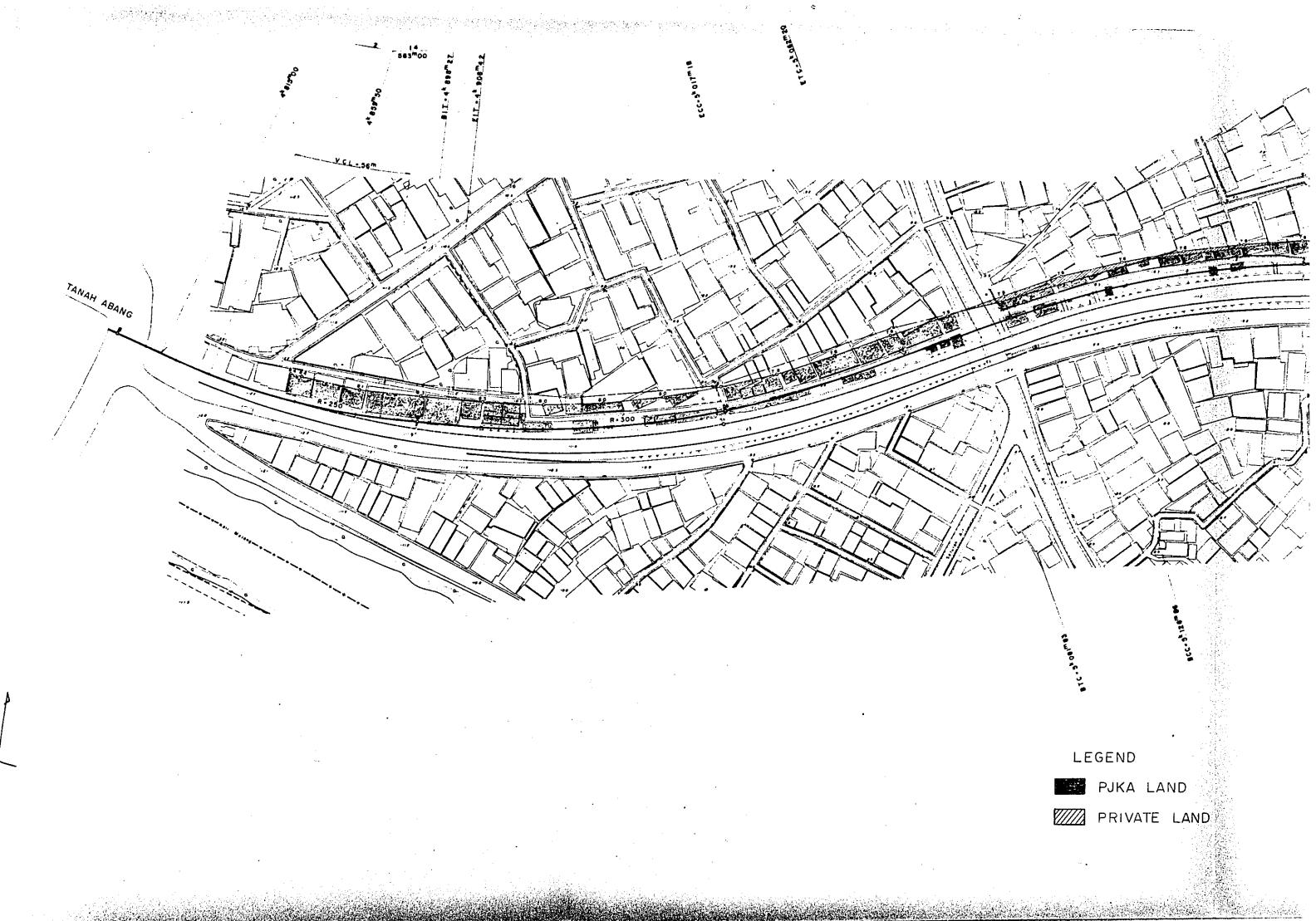
TABLE OF DIMENSIONS

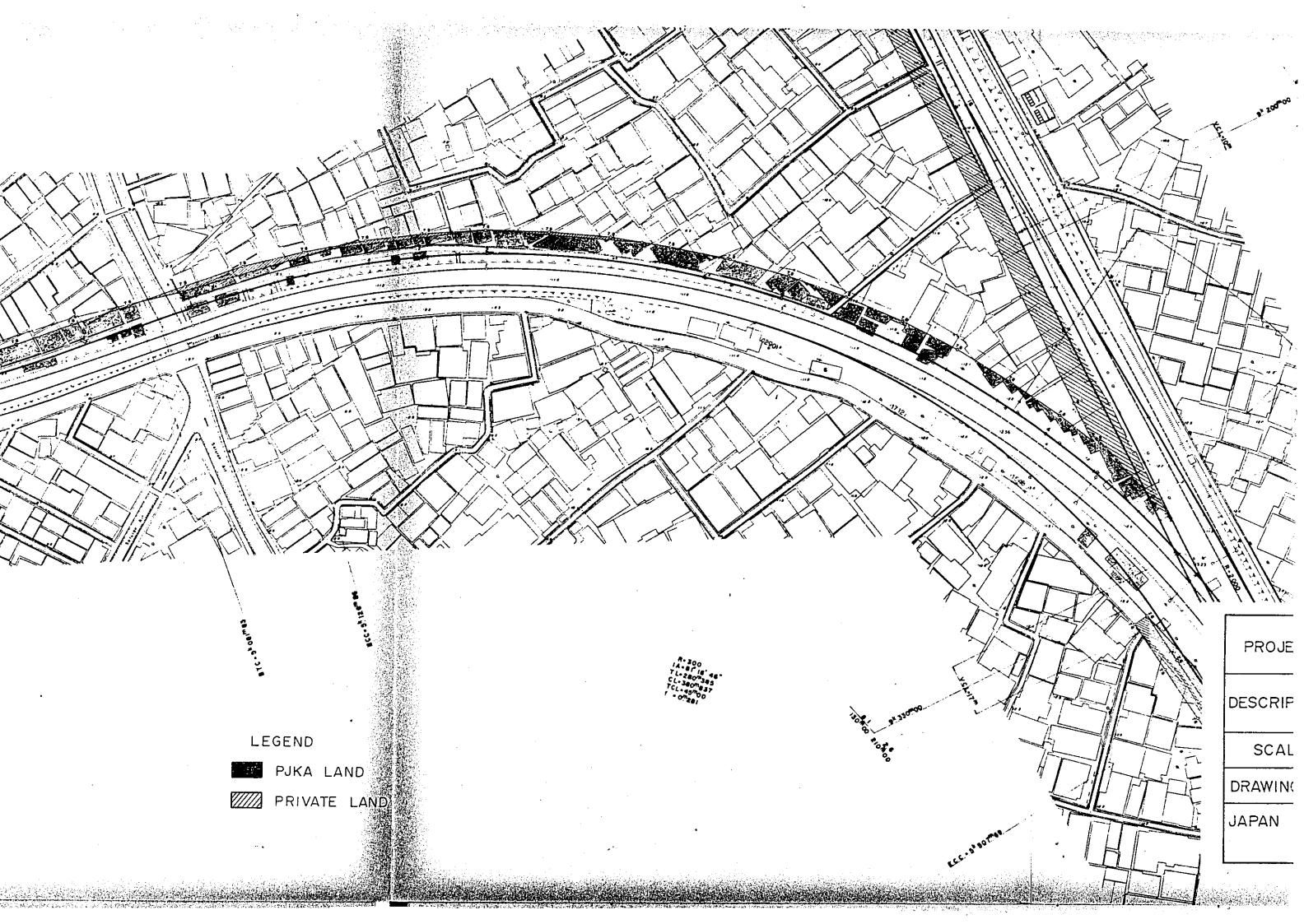
			DIMEN	SIONS		(m)		
Н	н'	Α	B	С	D	ε	F	n
2.40	2.00	0.30	0.40	0.80	1,50	0.10	0.30	0
300	2.57	0.35	0,43	0.97	1.75	0.13	0.30	0
4.00	3.52	0.45	0.48	1.27	2.20	0.18	0.30	0
5.00	4.48	0.55	0.52	1.58	2.65	0. 22	0.30	0
6 00	5.33	0.65	0.67	1.93	3.25	0.27	0.40	0.02
8.00	7. 10	0.90	1.19	2.4 1	4.50	0.40	0.50	0 0 7 5

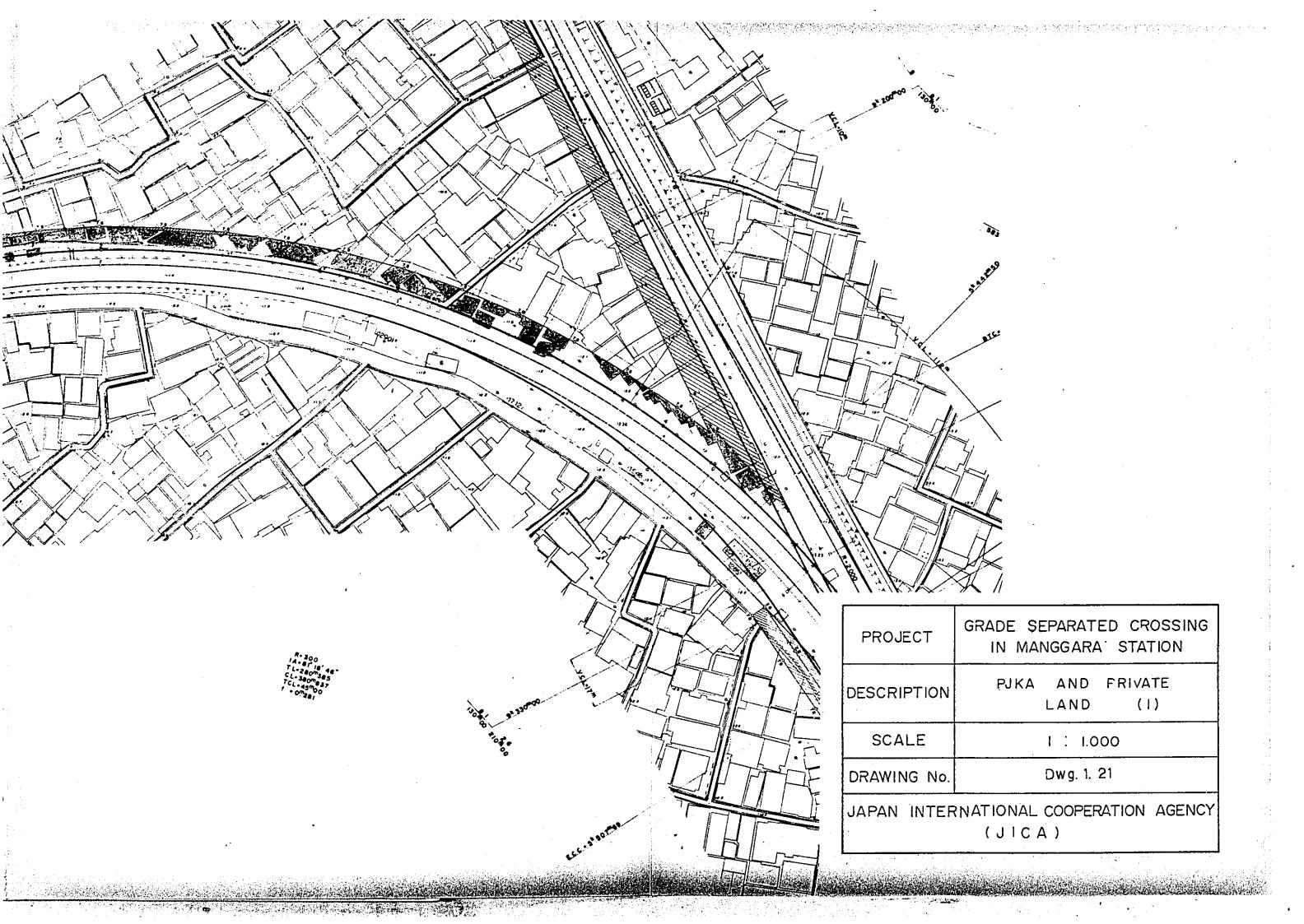
PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION
DESCRIPTION	RETAINING WALL
SCALE	DIFFERENT 1:50 REDUCTION
DRAWING No.	Dwg. 1. 18
JAPAN INTER	RNATIONAL COOPERATION AGENCY

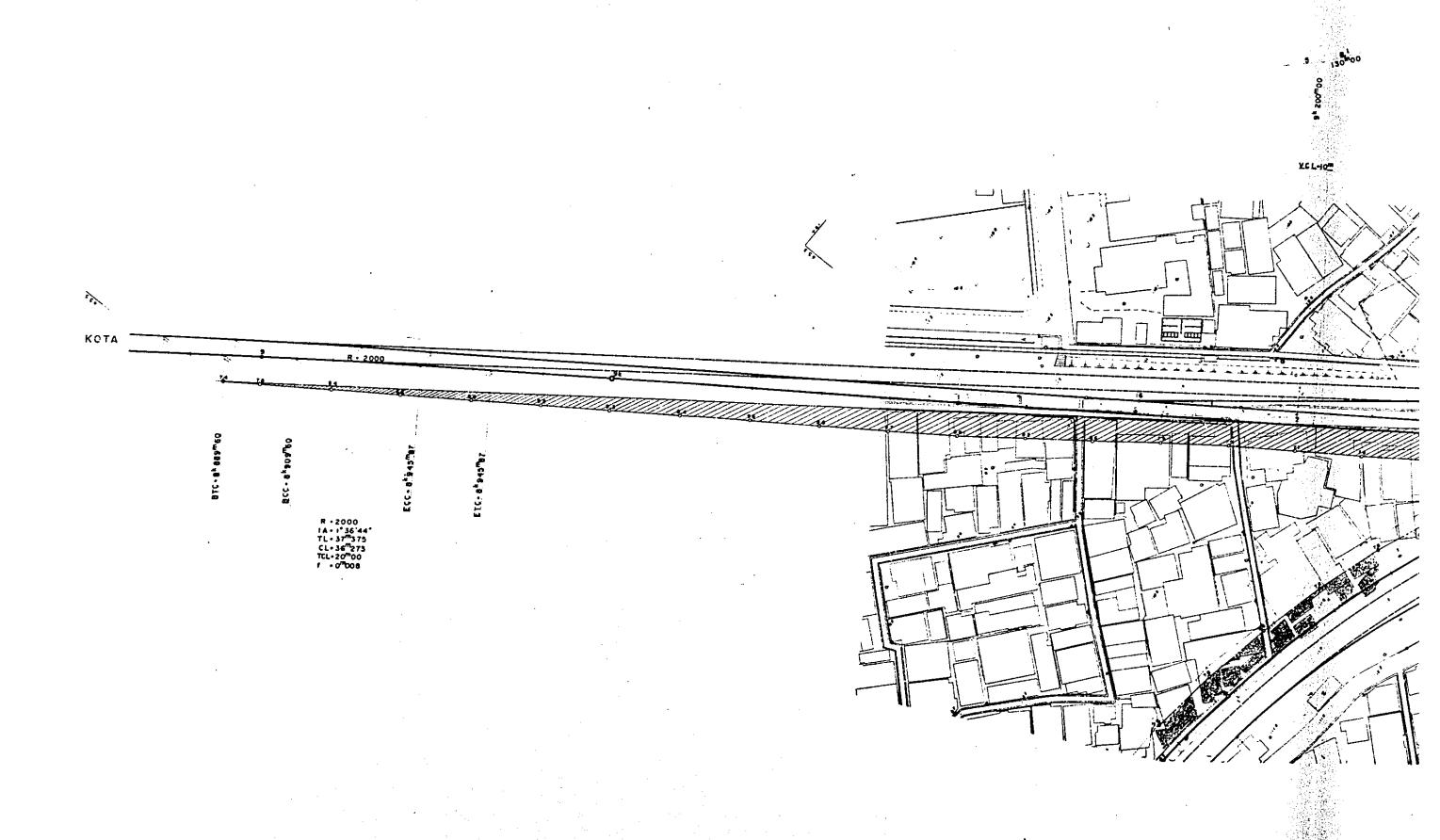


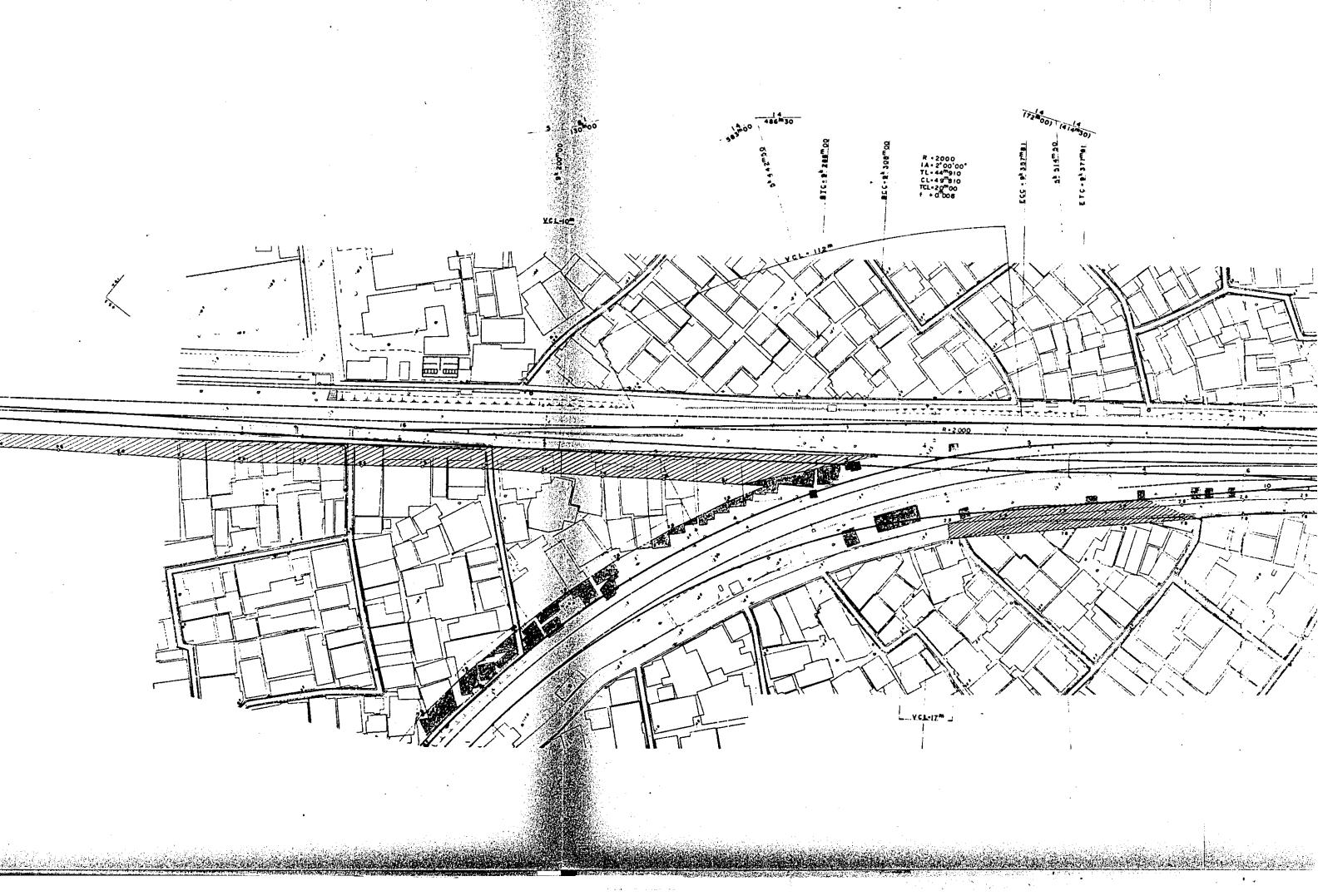


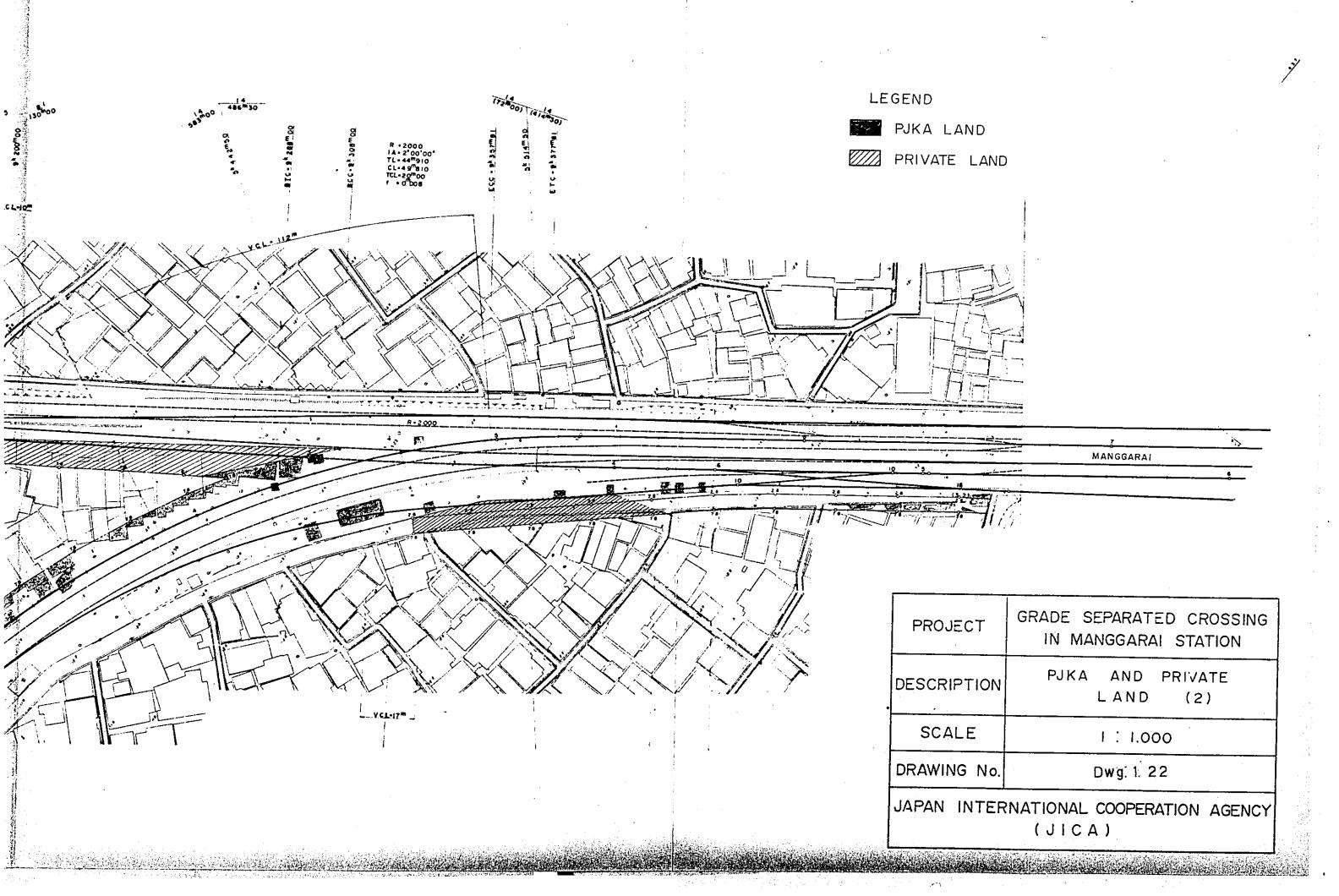


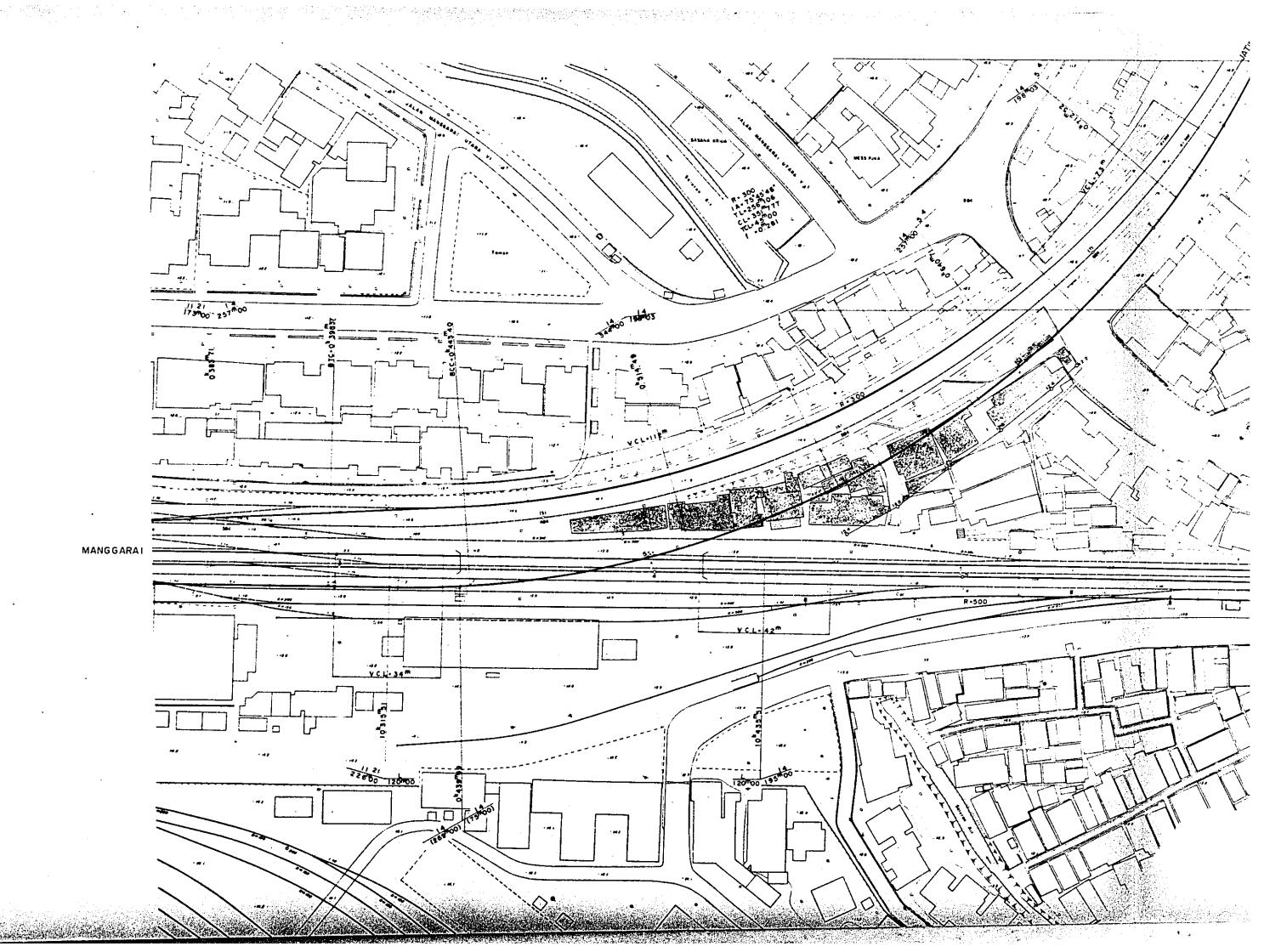


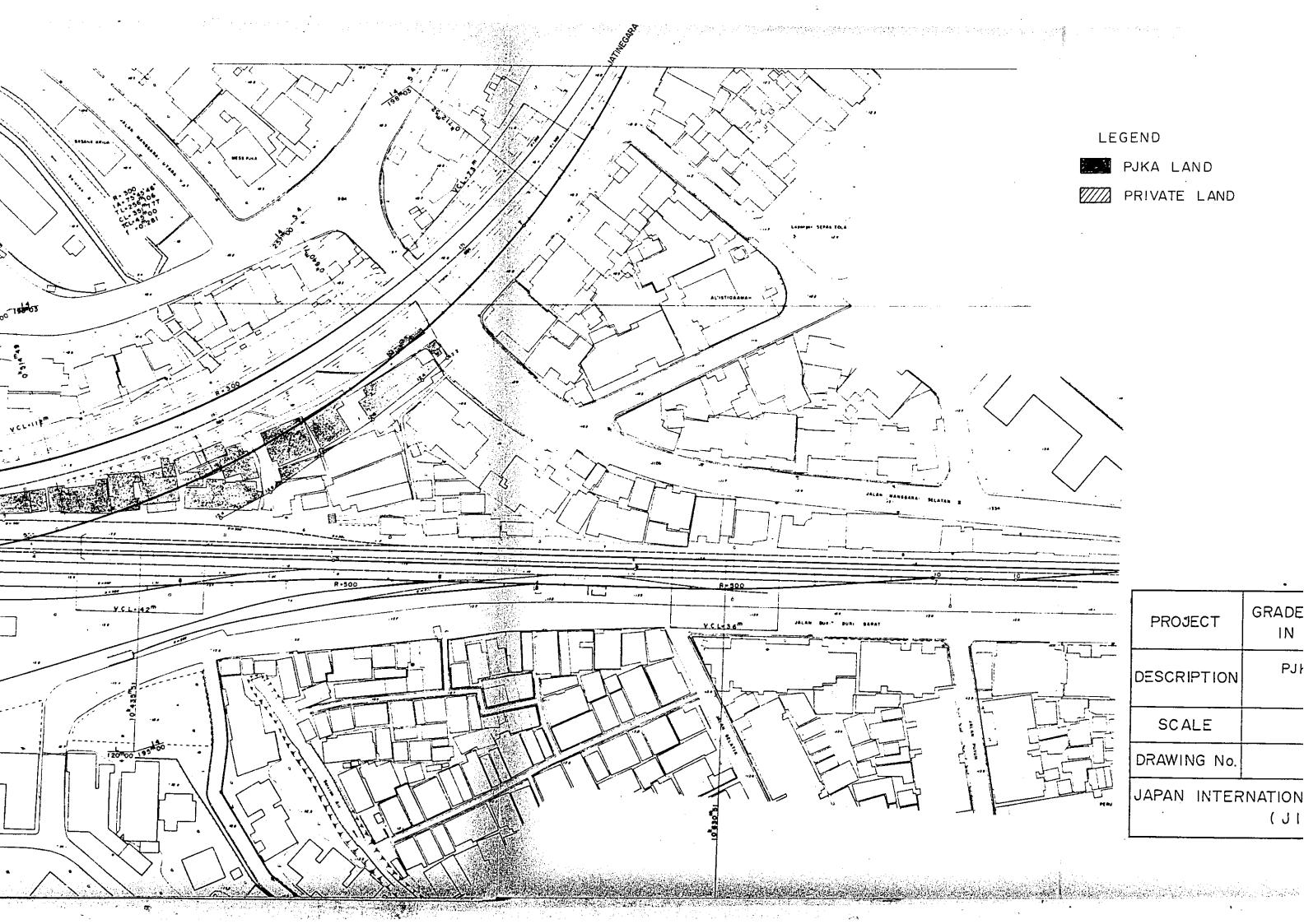


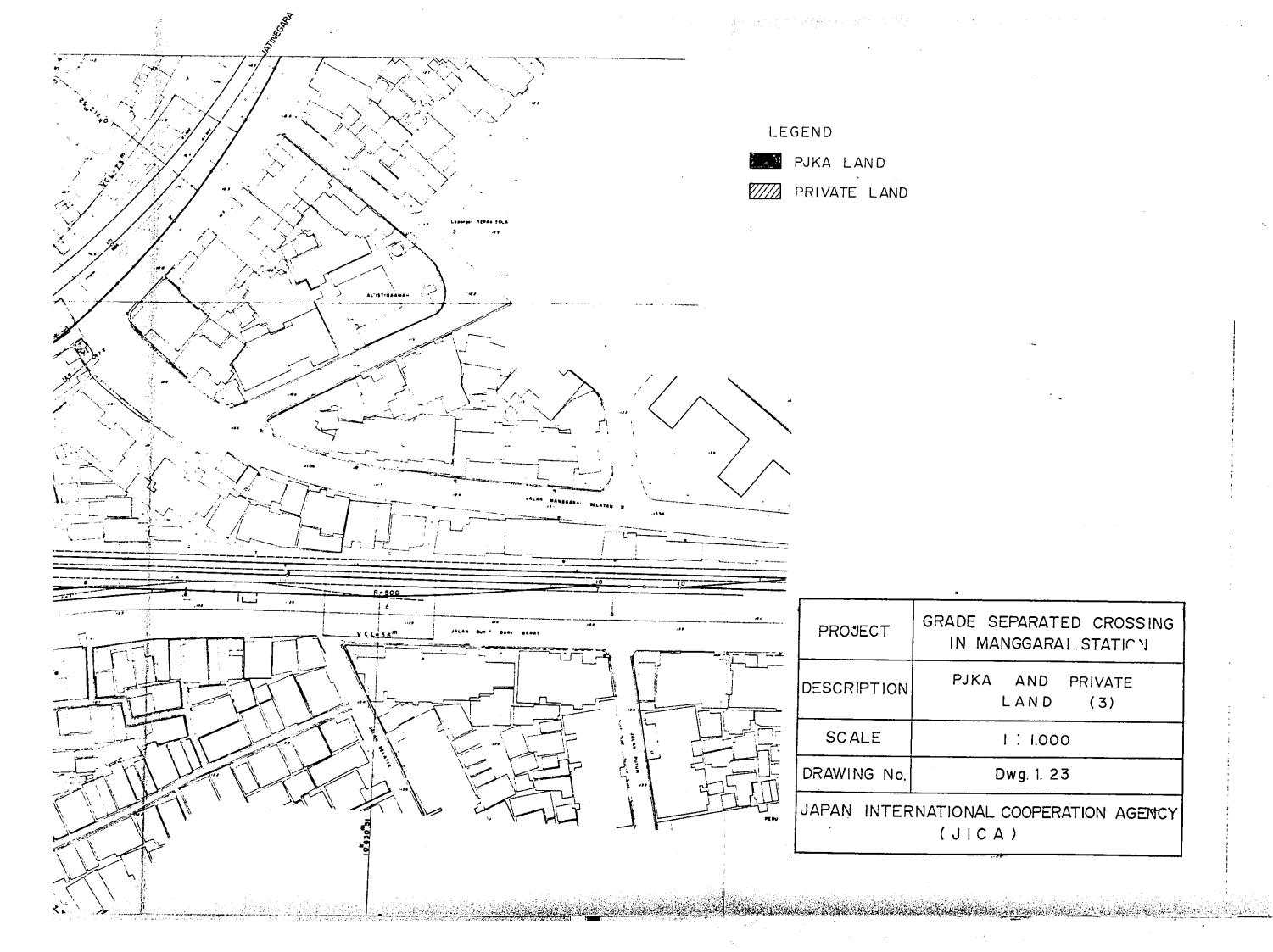


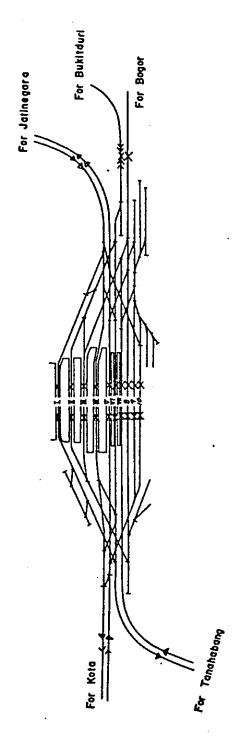


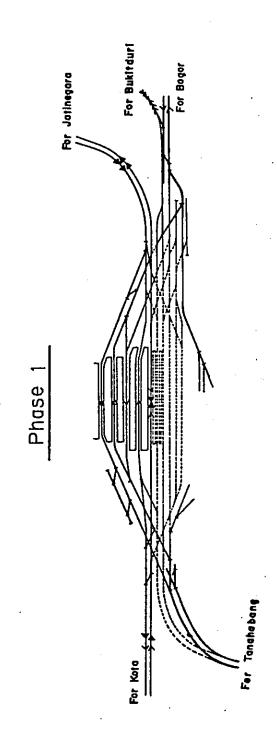


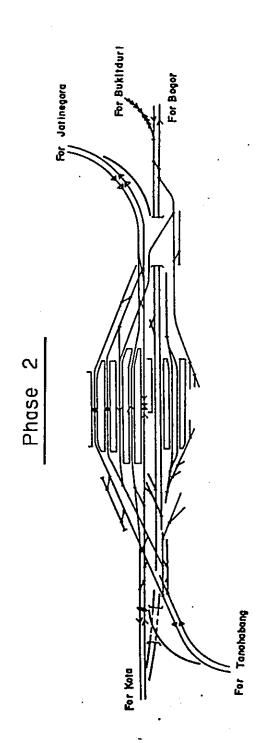


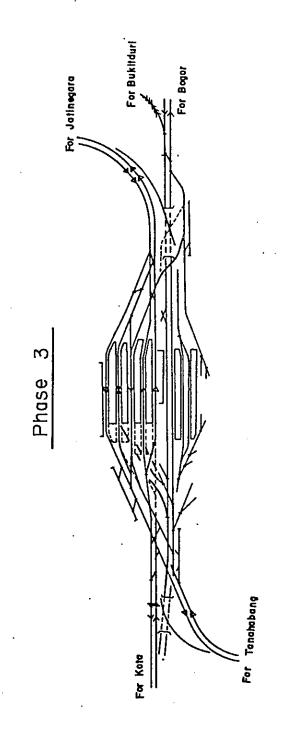


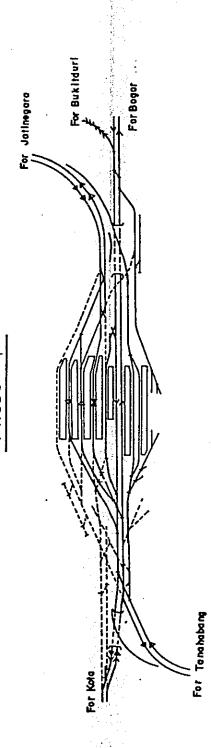


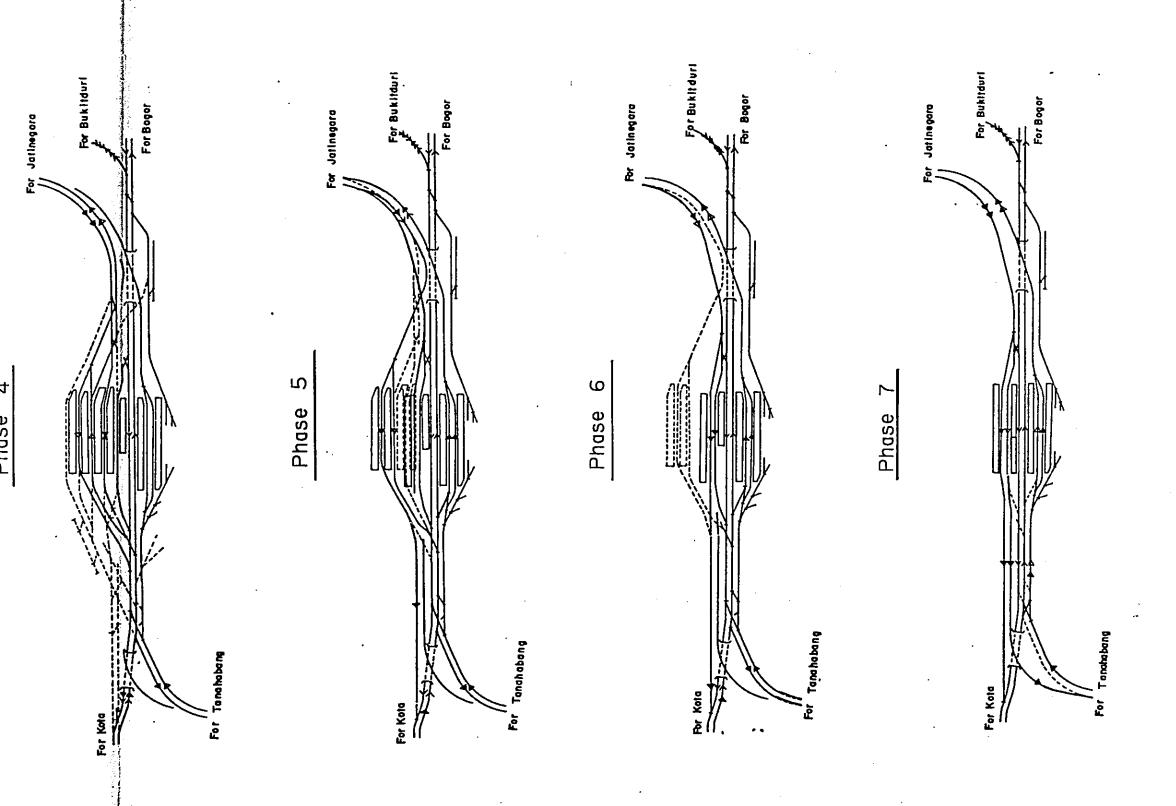




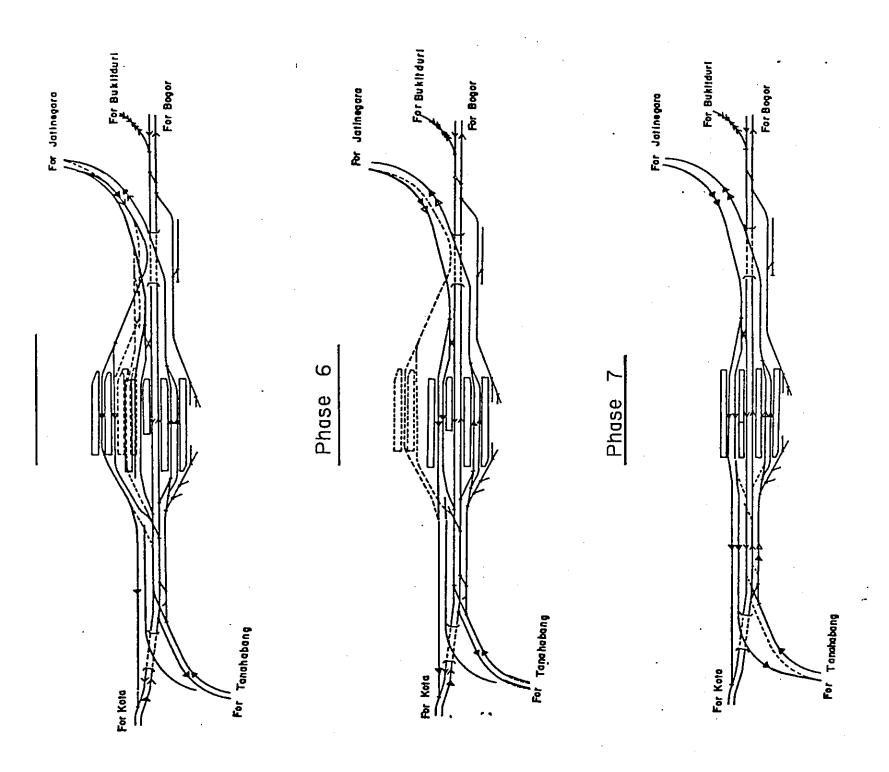




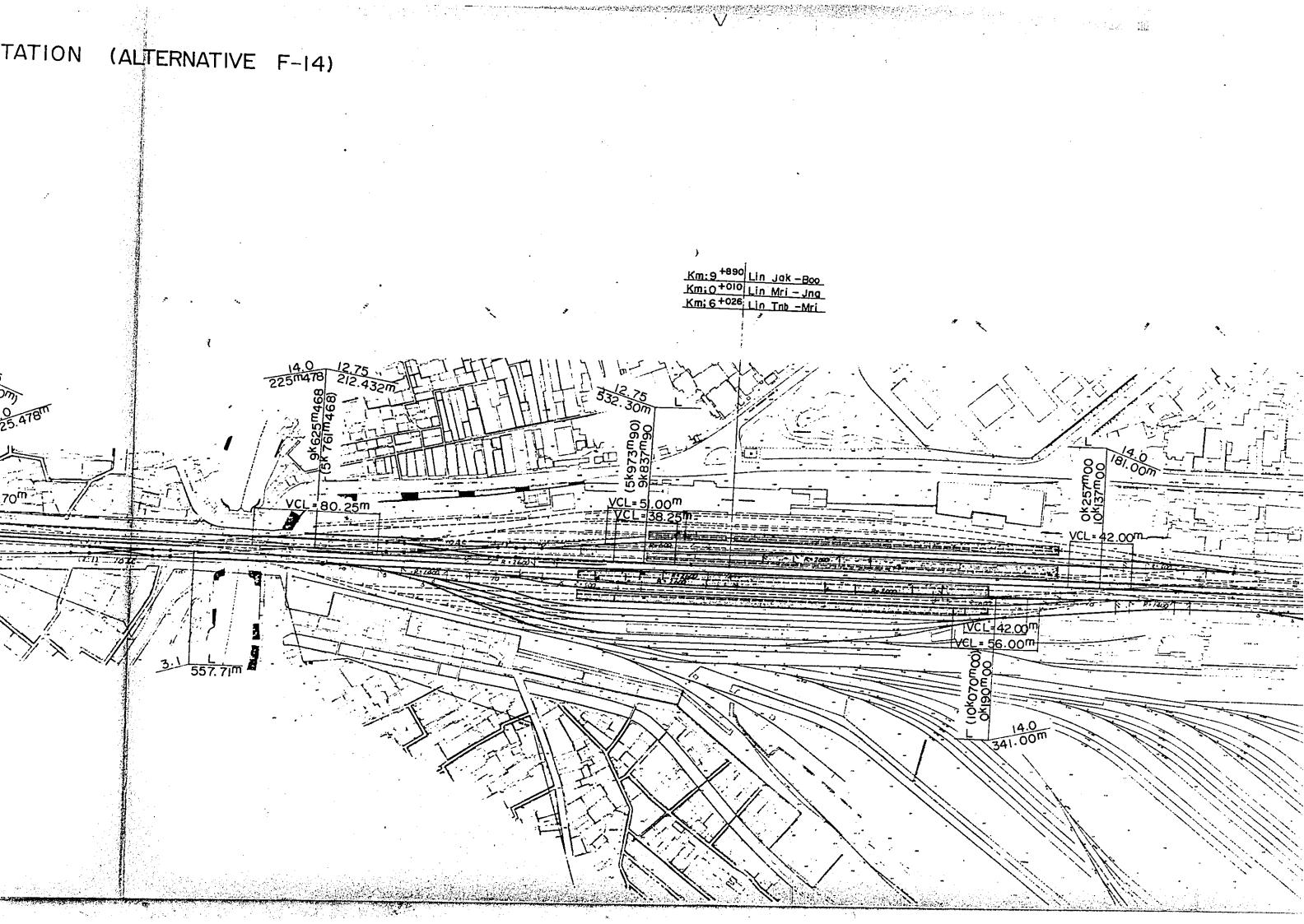


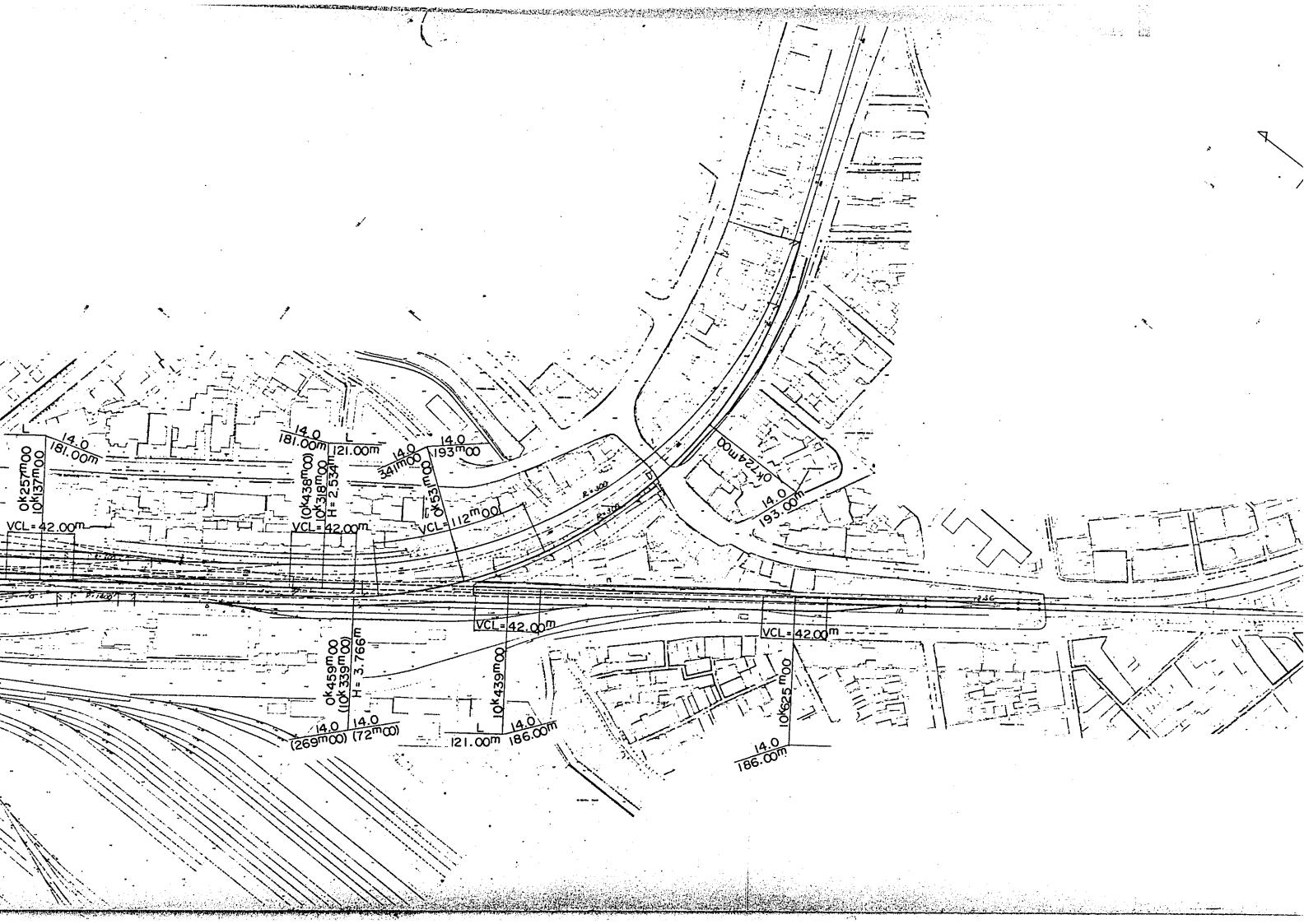


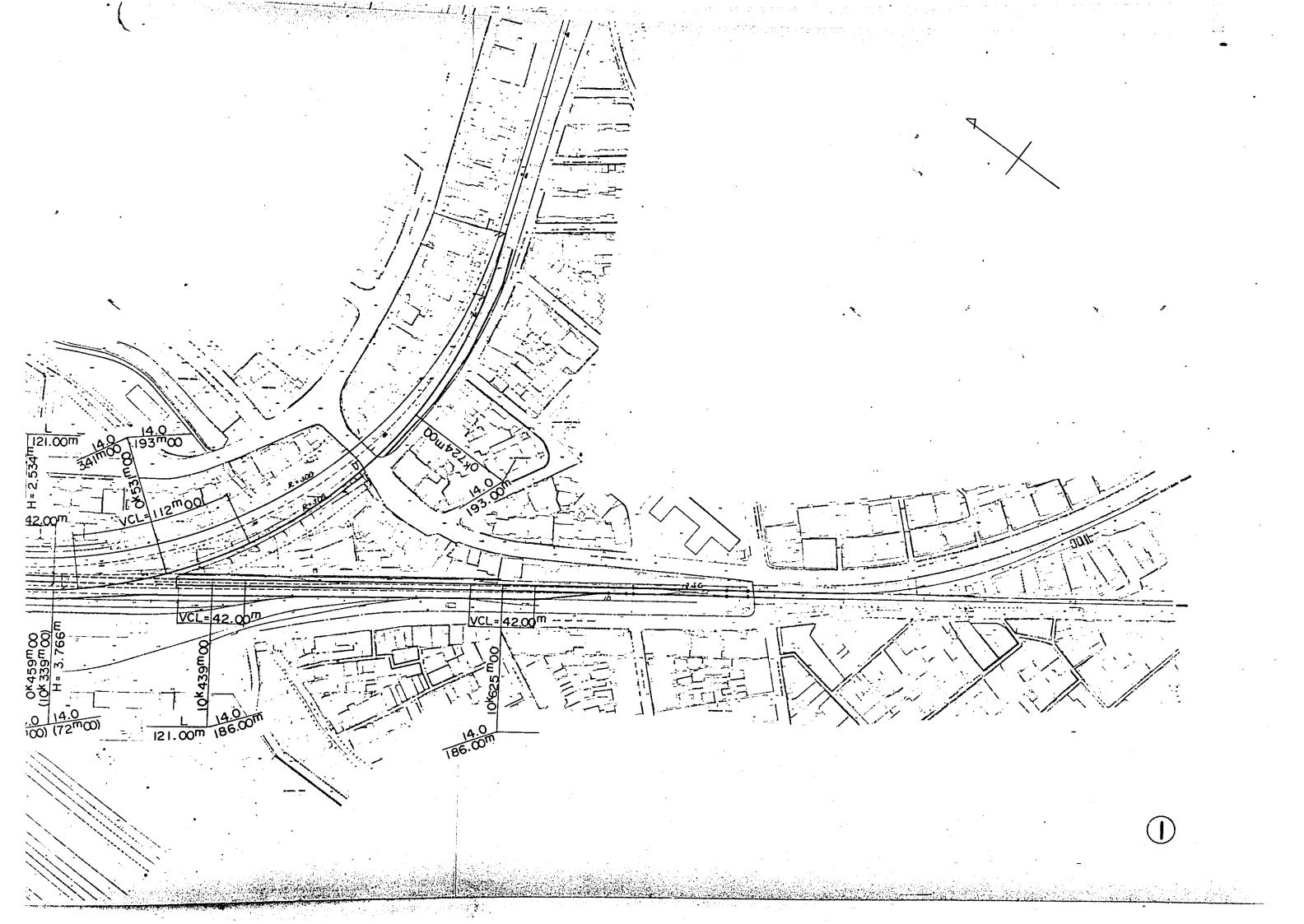
PROJECT	GRADE SEPARAT
DESCRIPTION	TRACK REMOV
SCALE	
DRAWING No.	Dwg. 1. 2
JAPAN INTER	RNATIONAL COOPER



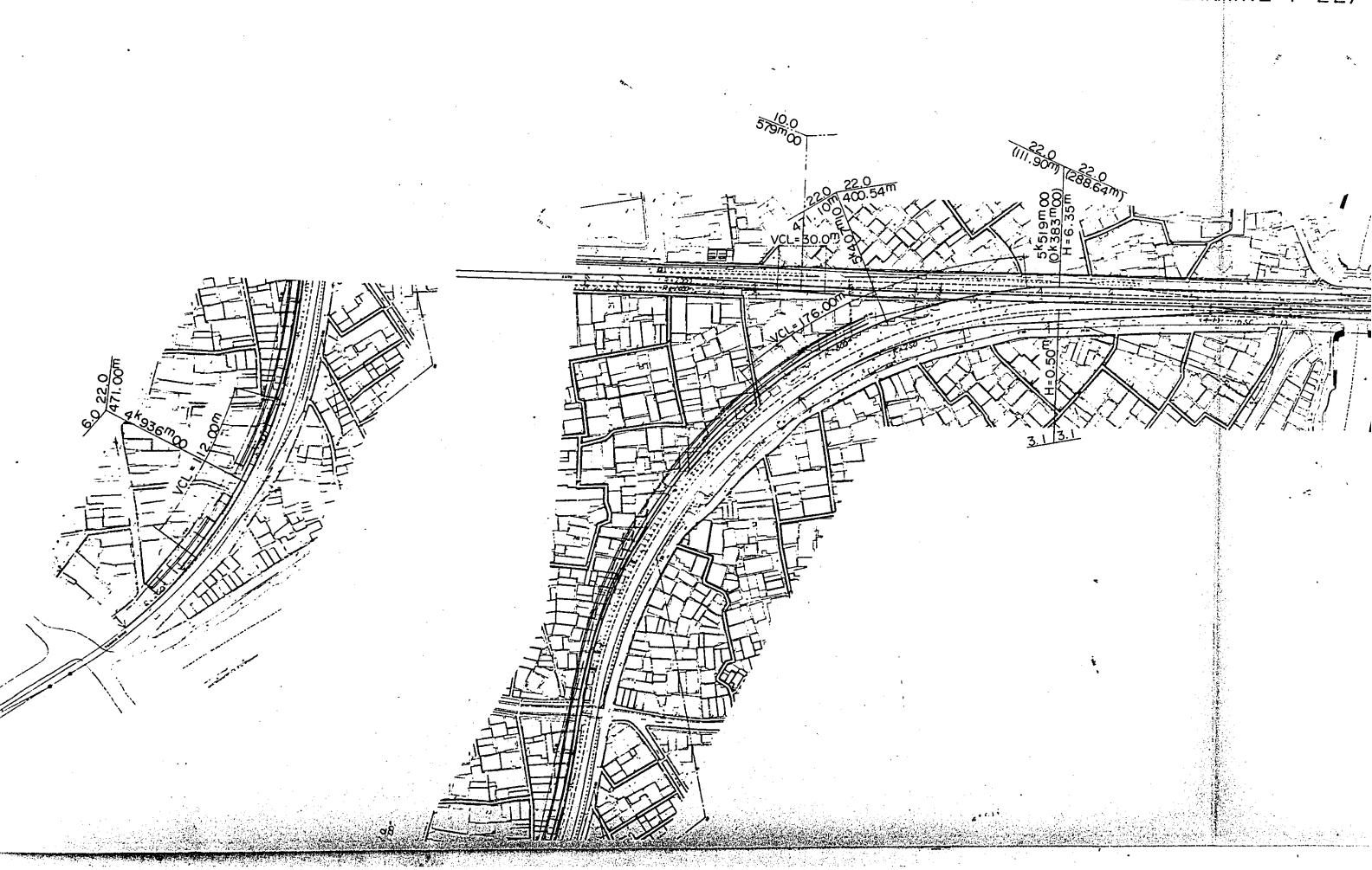
	•
PROJECT	GRADE SEPARATED CROSSING IN MANGGARAI STATION
DESCRIPTION	TRACK REMOVAL WORK
SCALE	
DRAWING No.	Dwg. 1. 24
JAPAN INTERNATIONAL COOPERATION AGENCY (J I C A)	

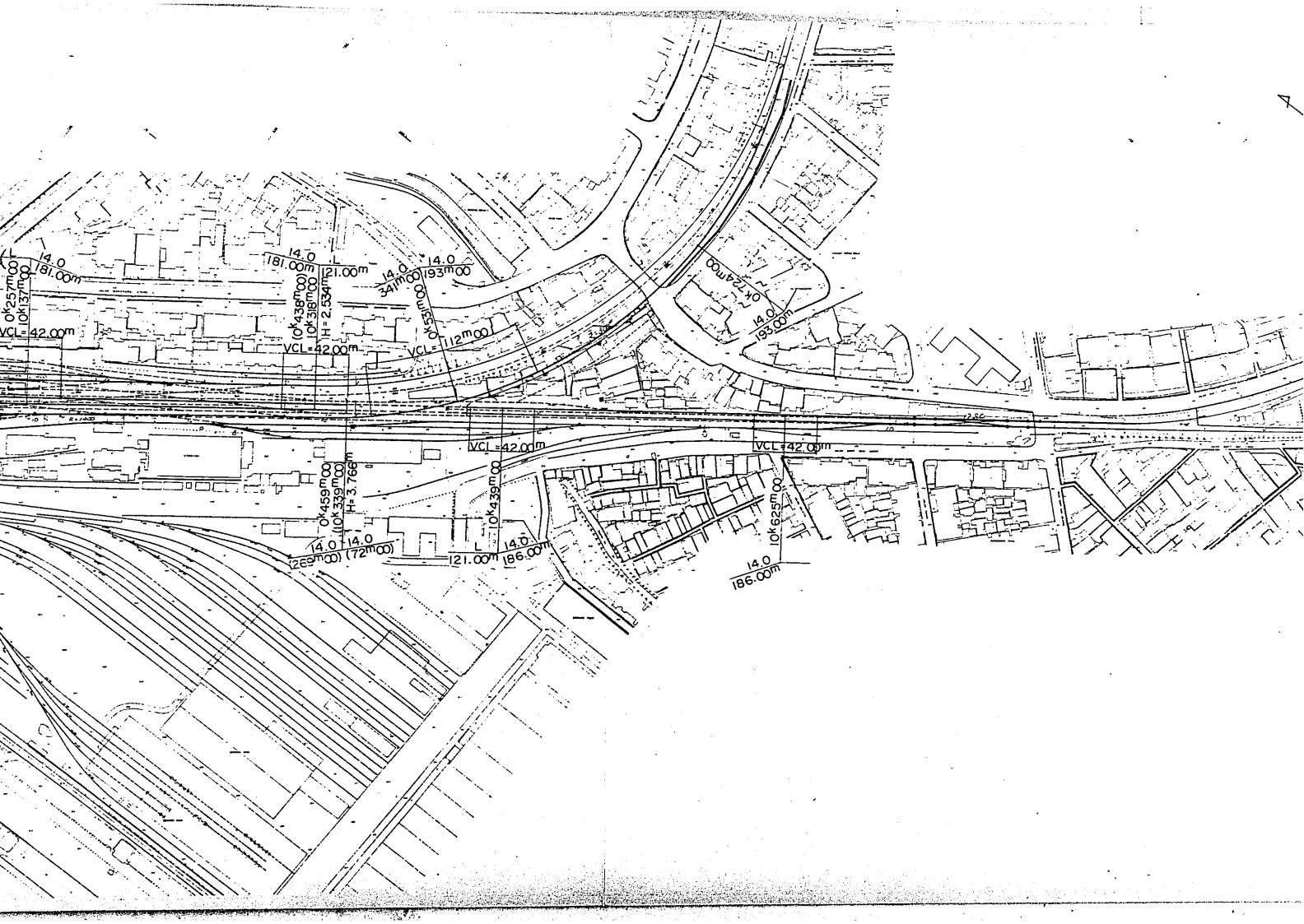


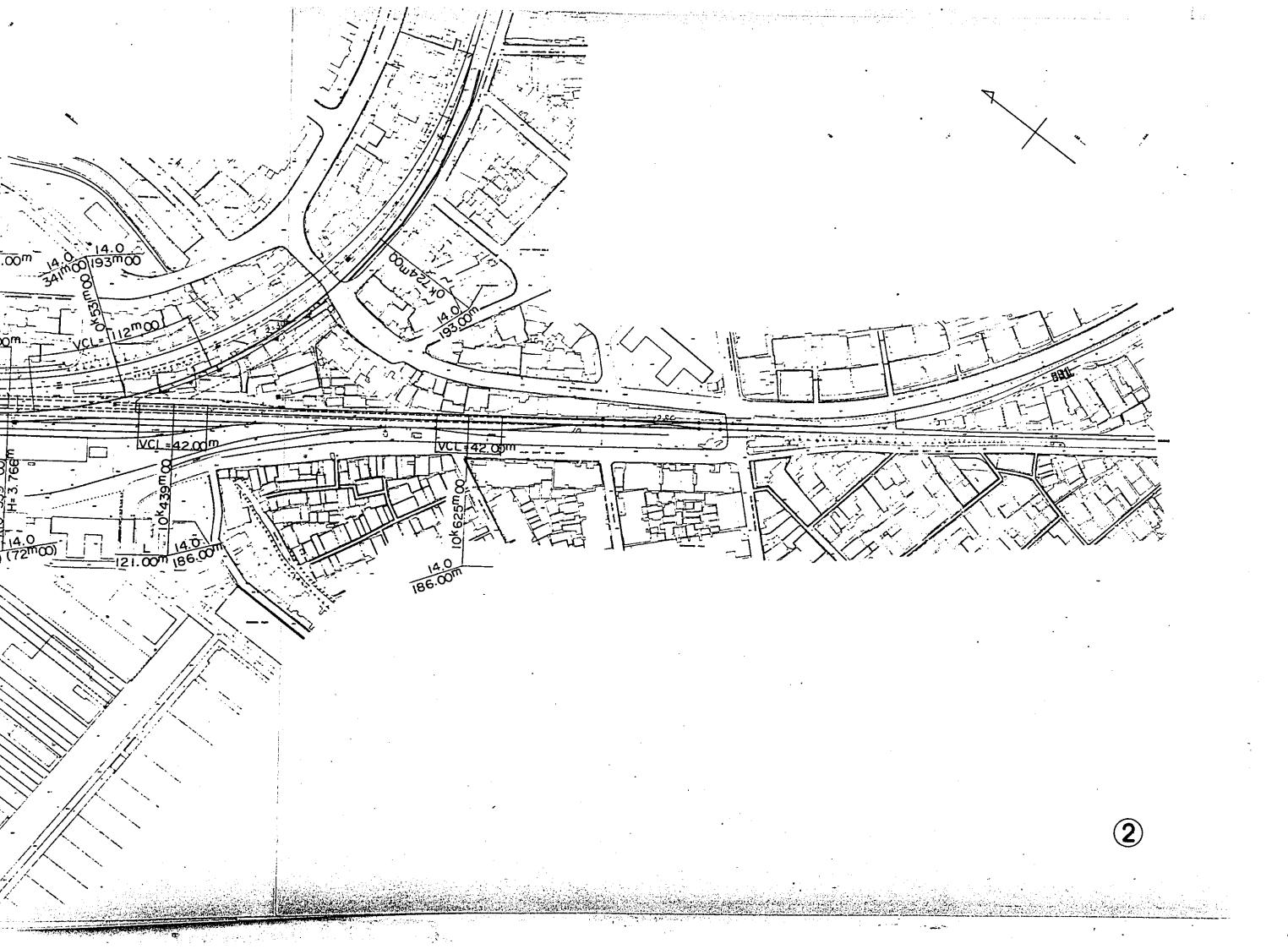




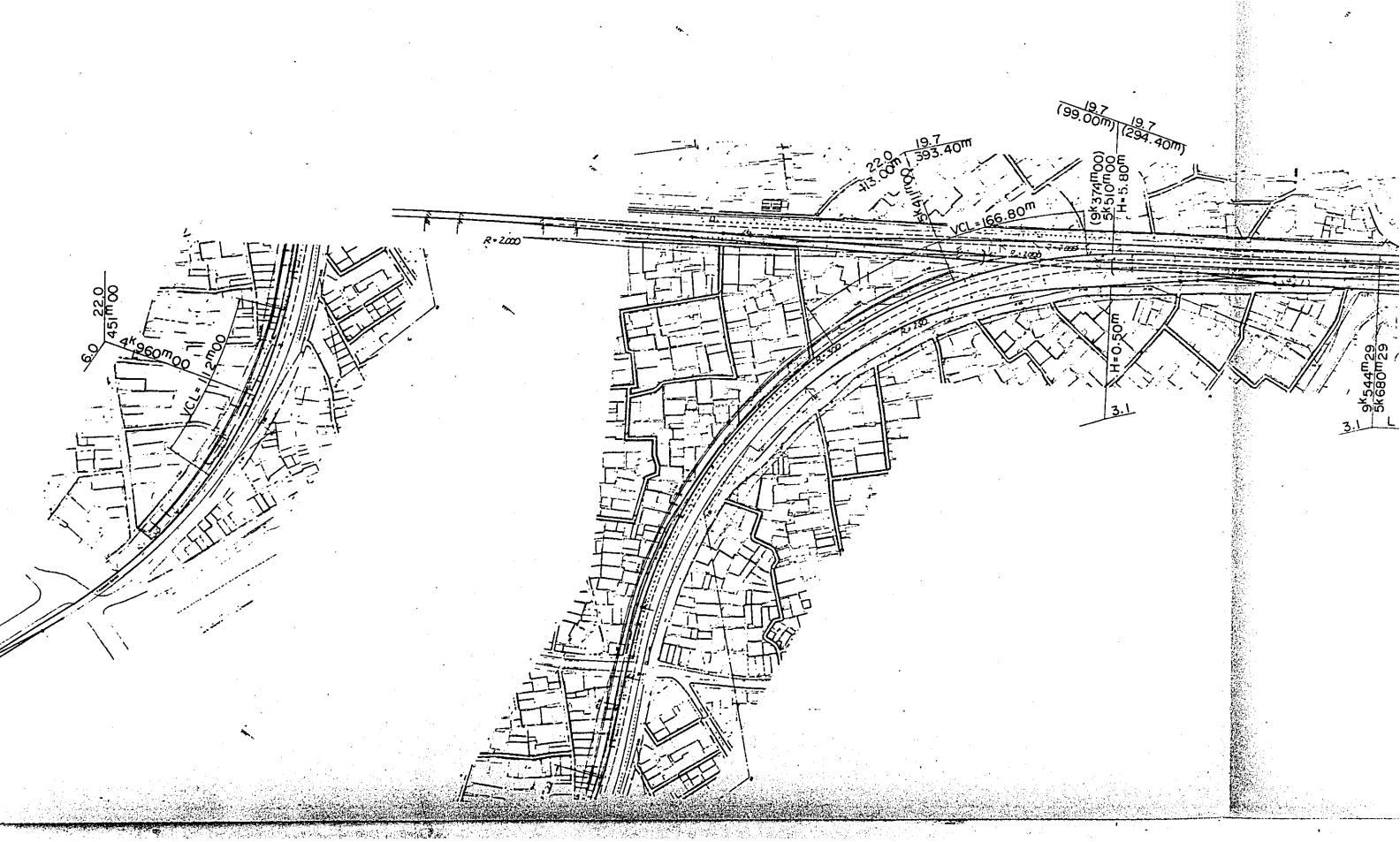
APPEN.2 PROPOSED TRACK LAYOUT IN MANGGARAI STATION (ALTERNATIVE F-22)

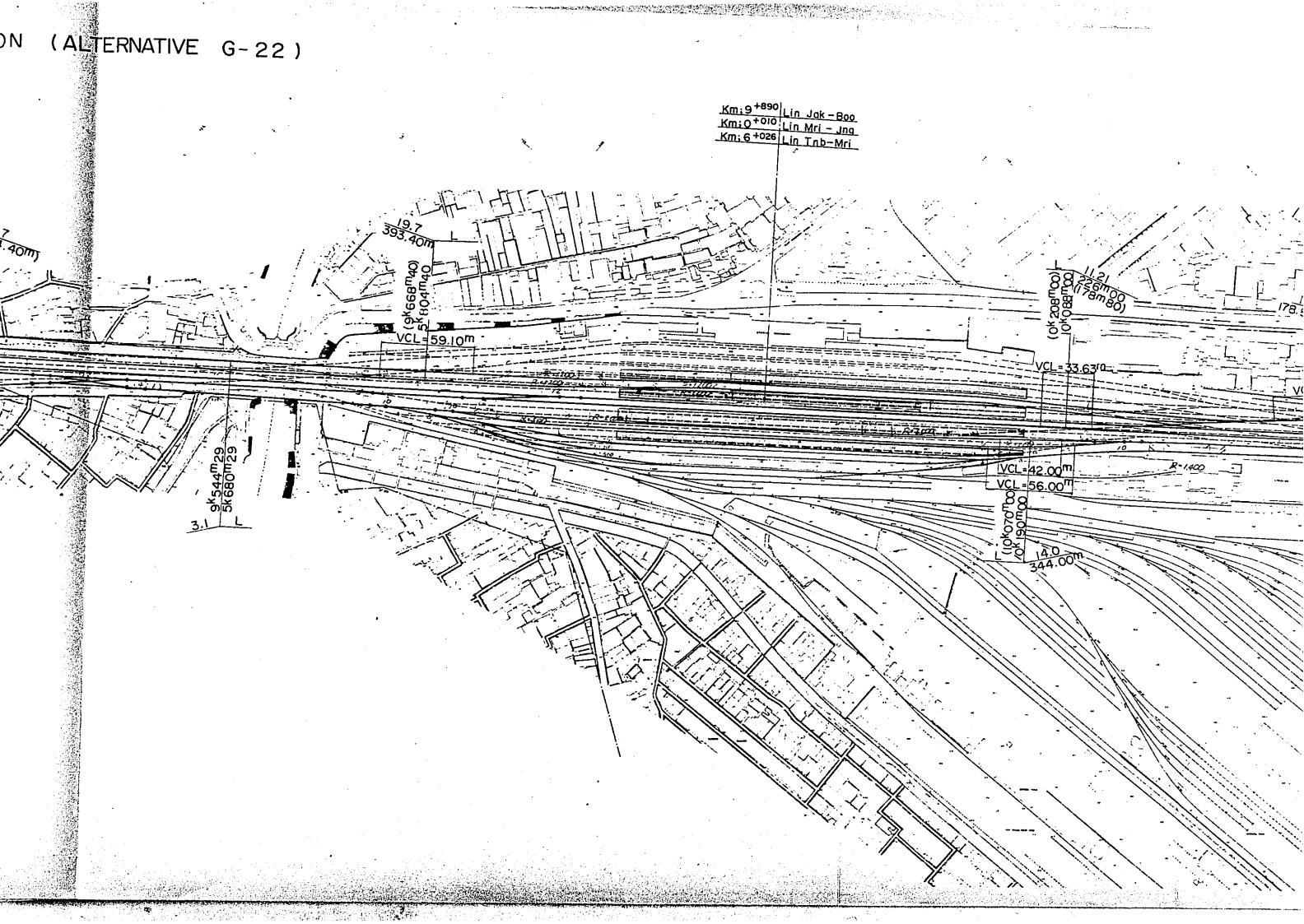


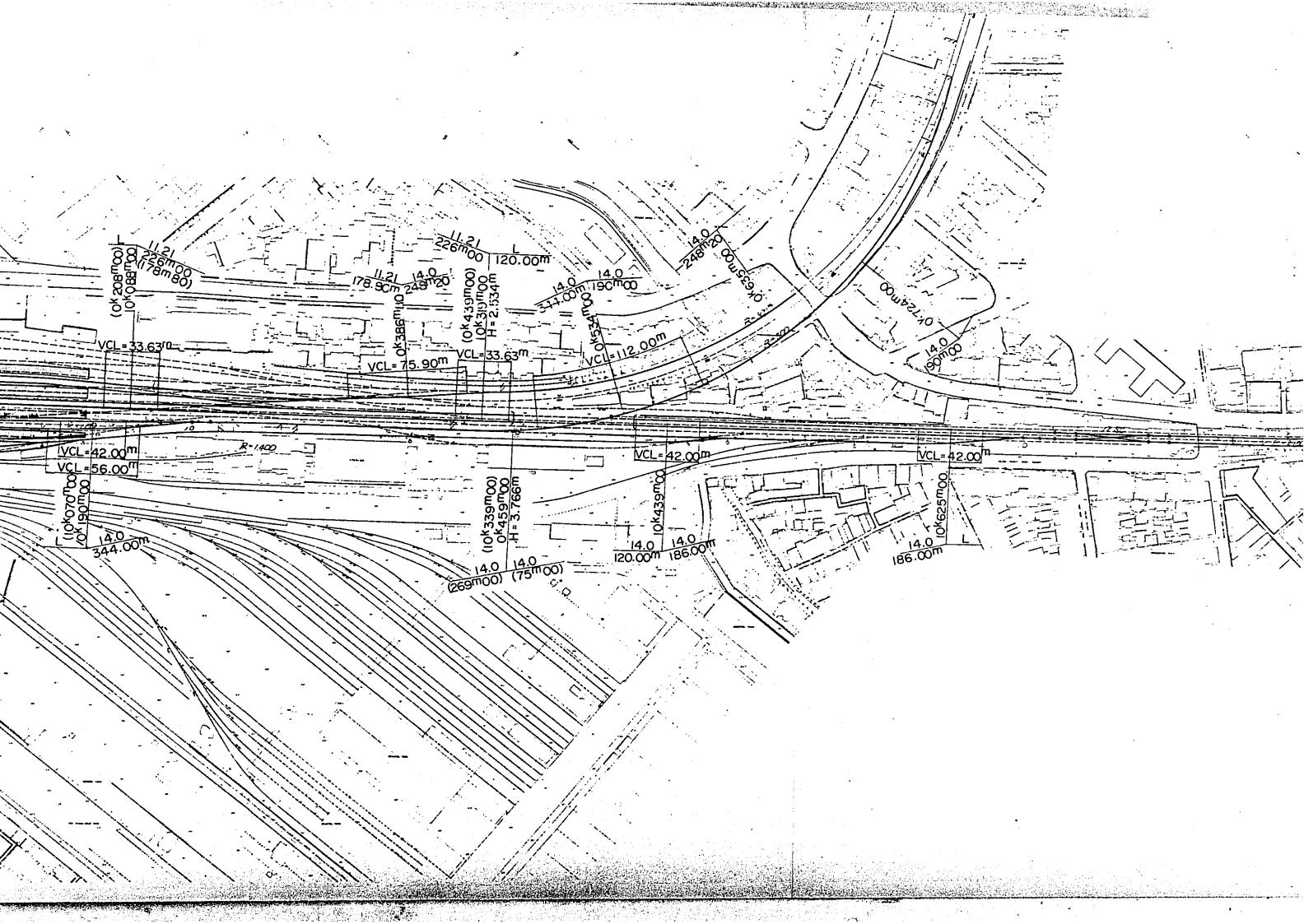


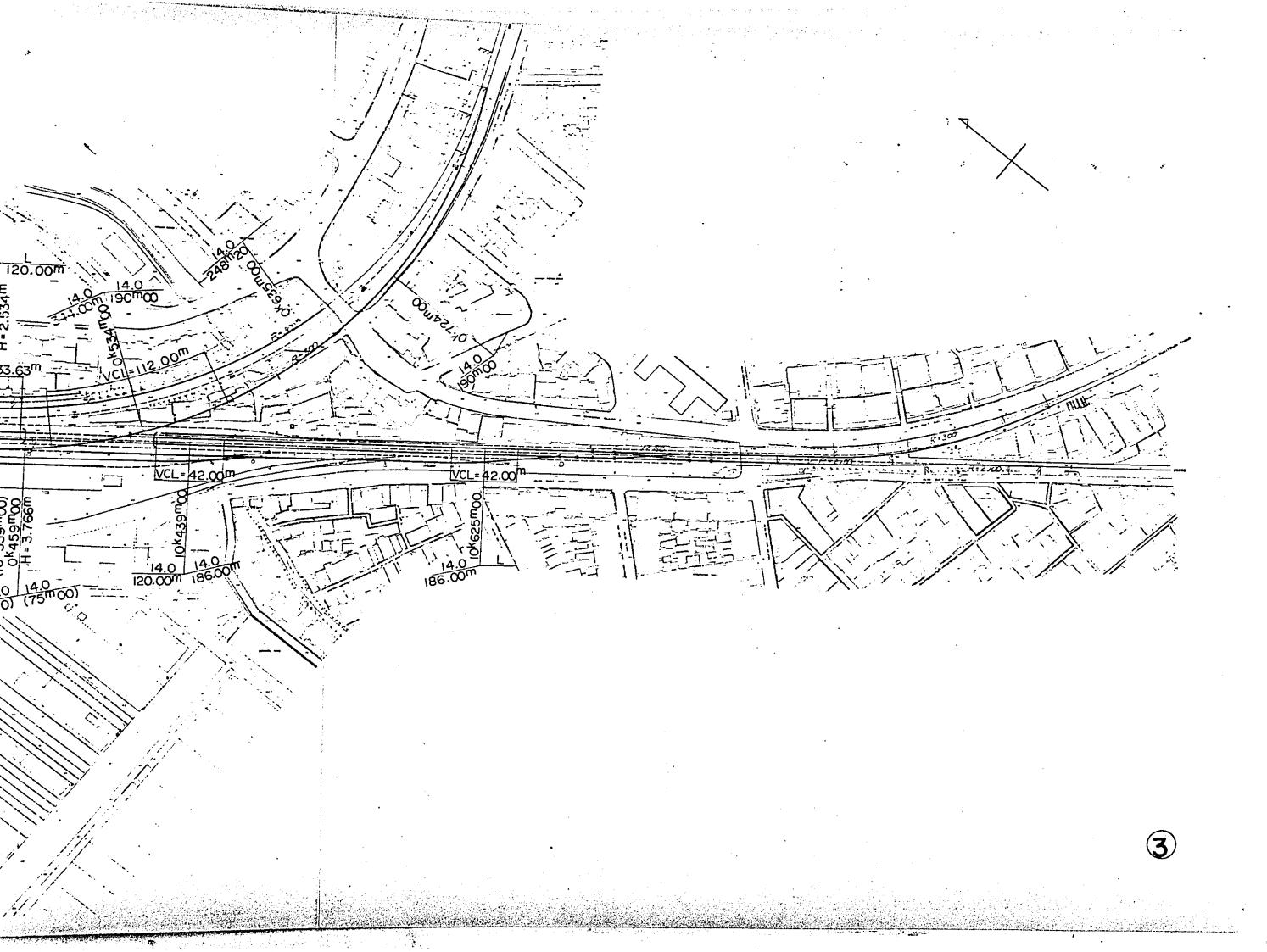


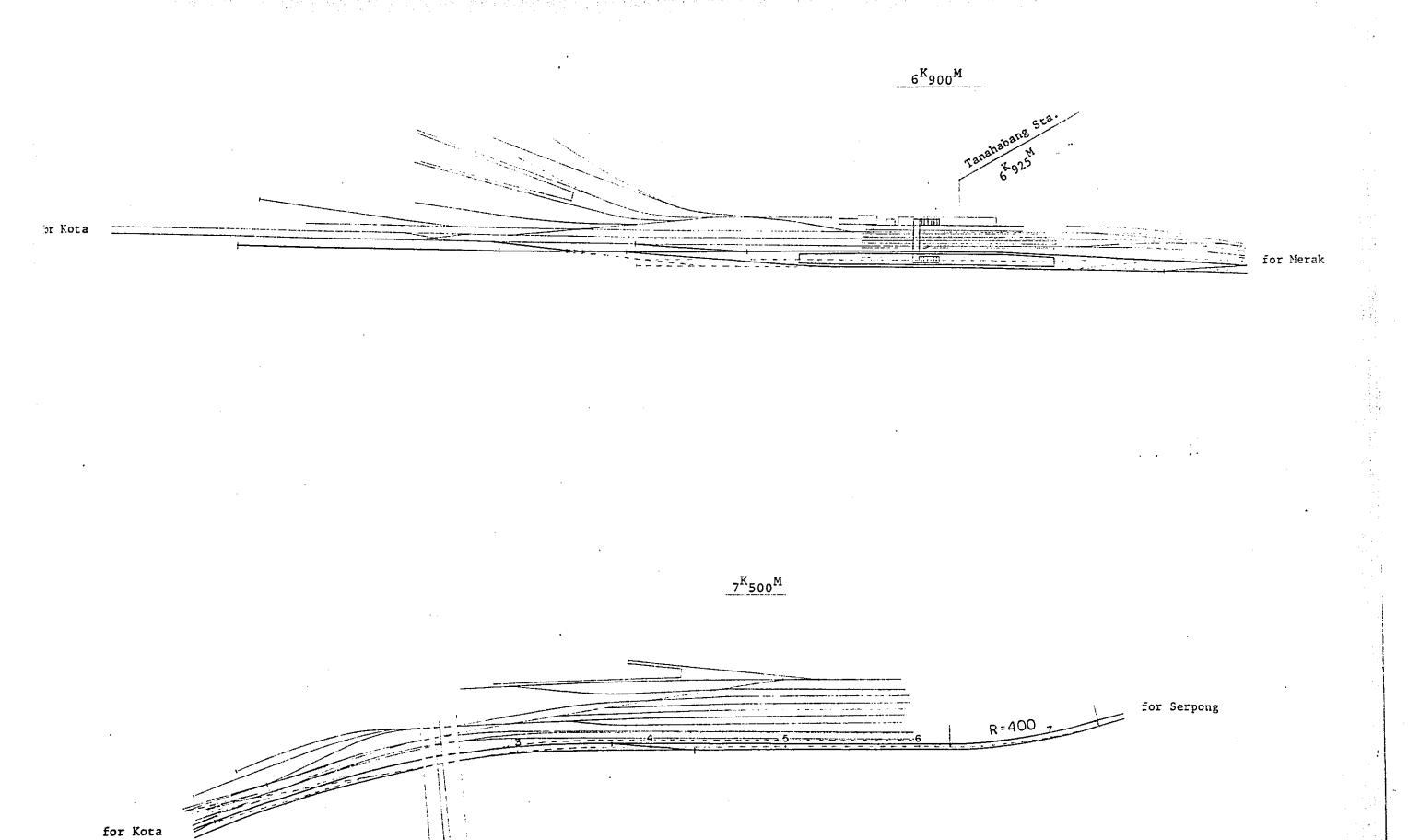
APPEN. 3 PROPOSED TRACK LAYOUT IN MANGGARAI STATION (ALTERNATIVE G-



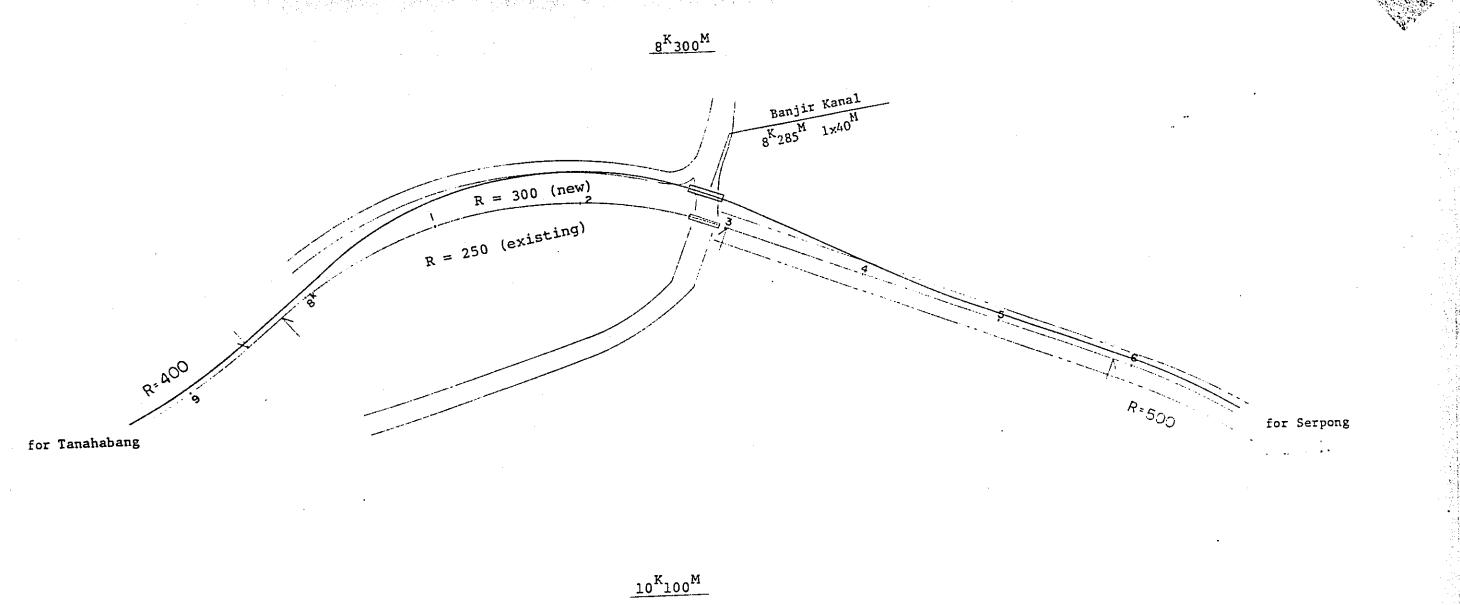


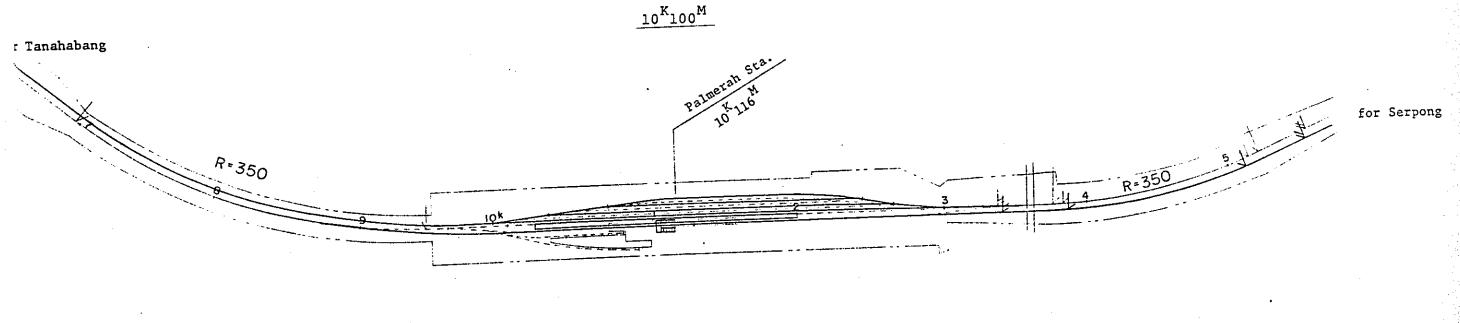




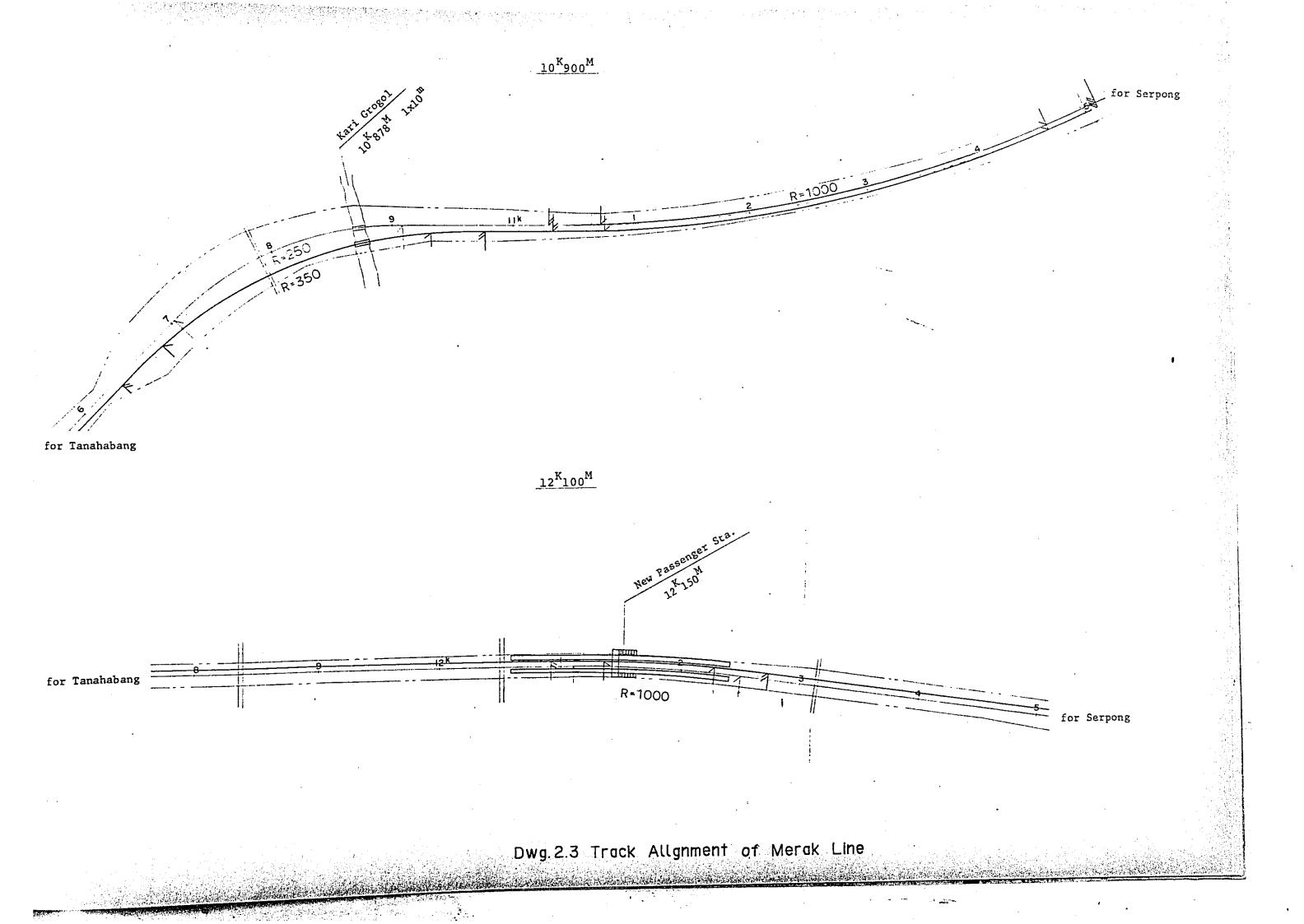


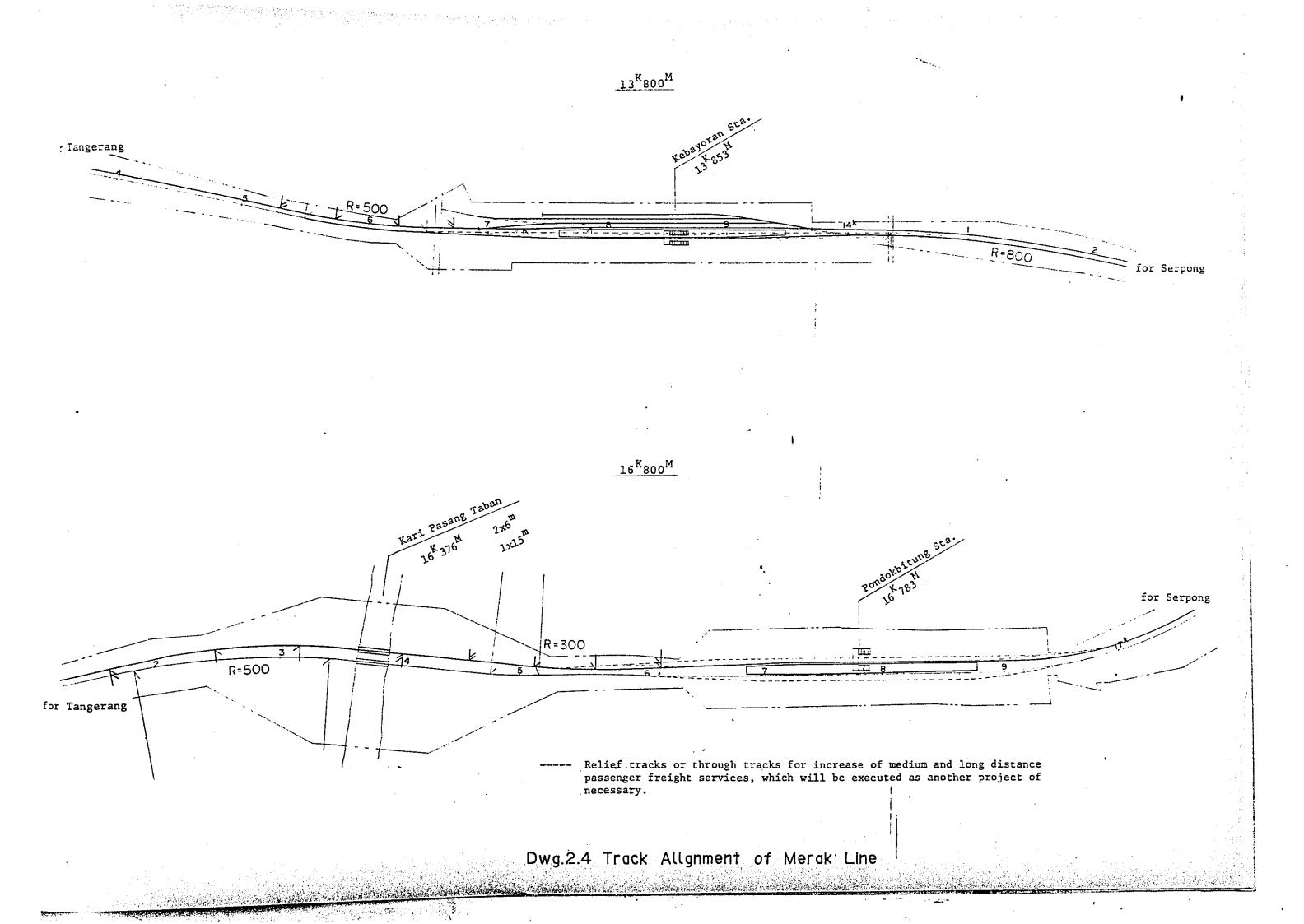
Dwg. 2.1 Track Allgnment of Merak Line

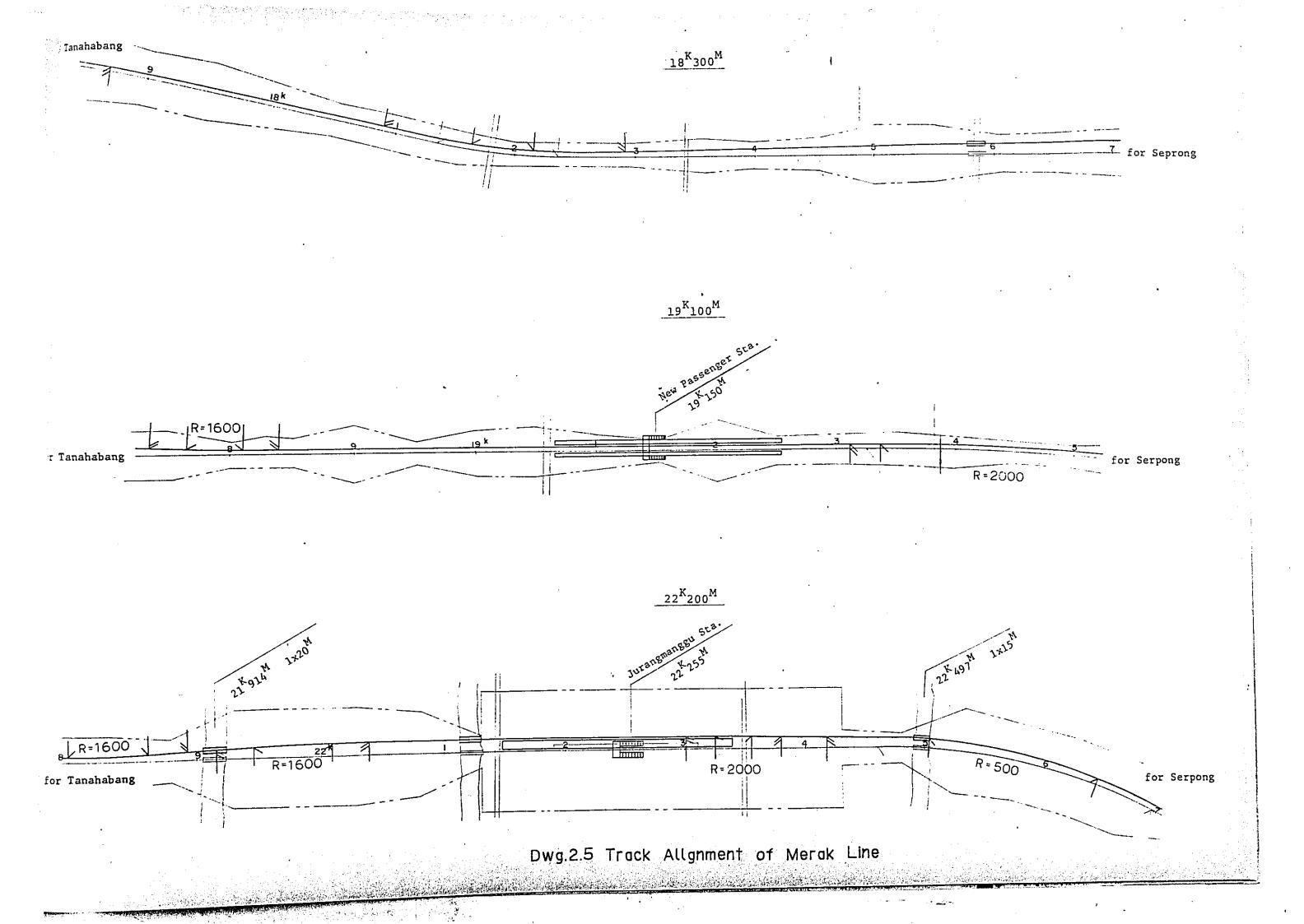


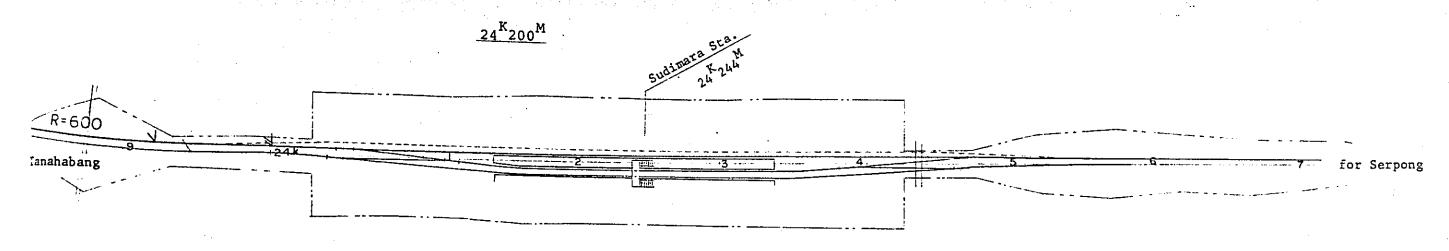


Dwg.2:2 Track Allgnment of Merak Line

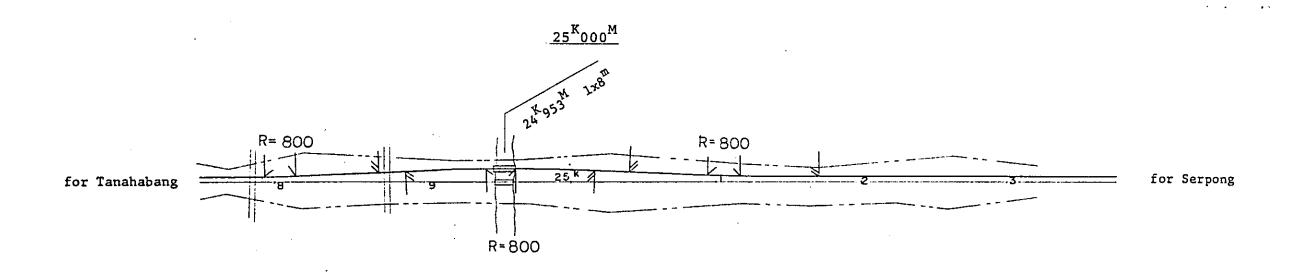


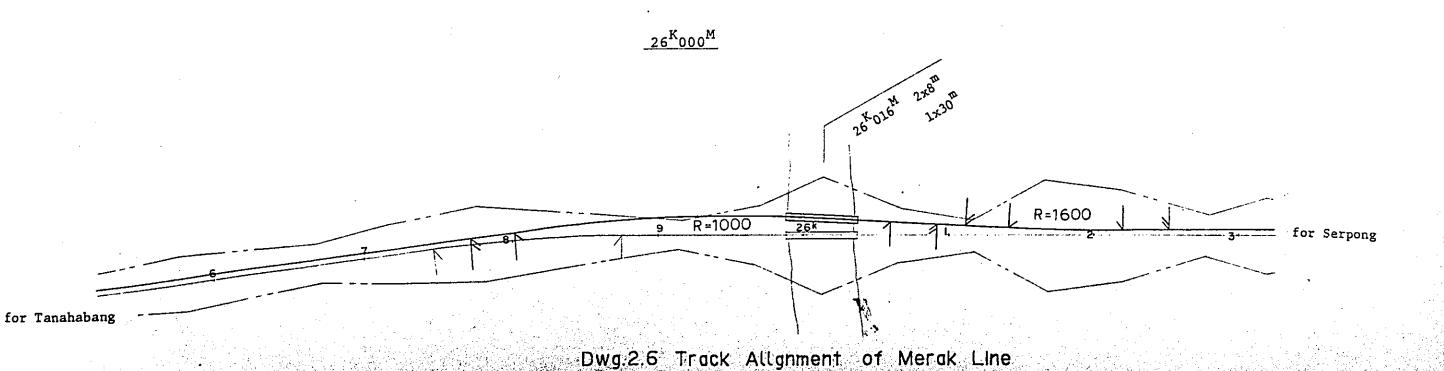


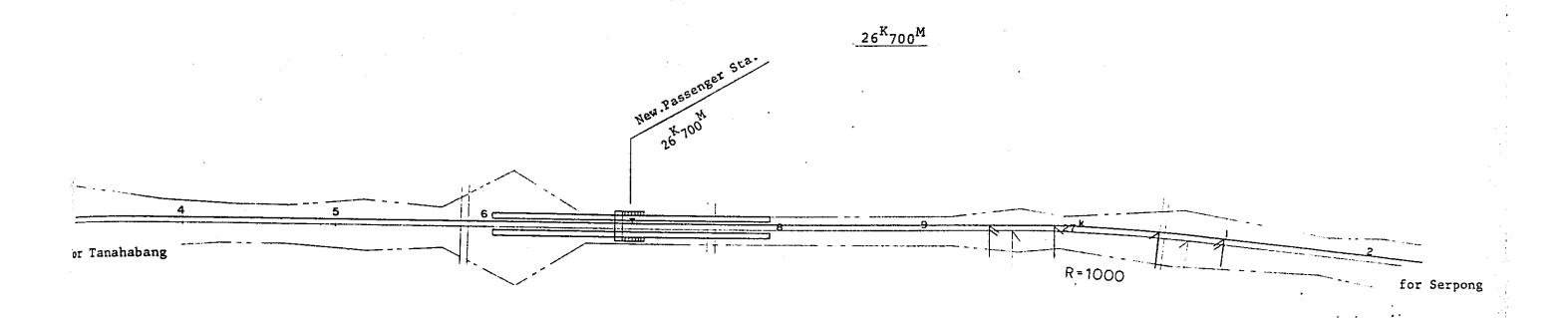


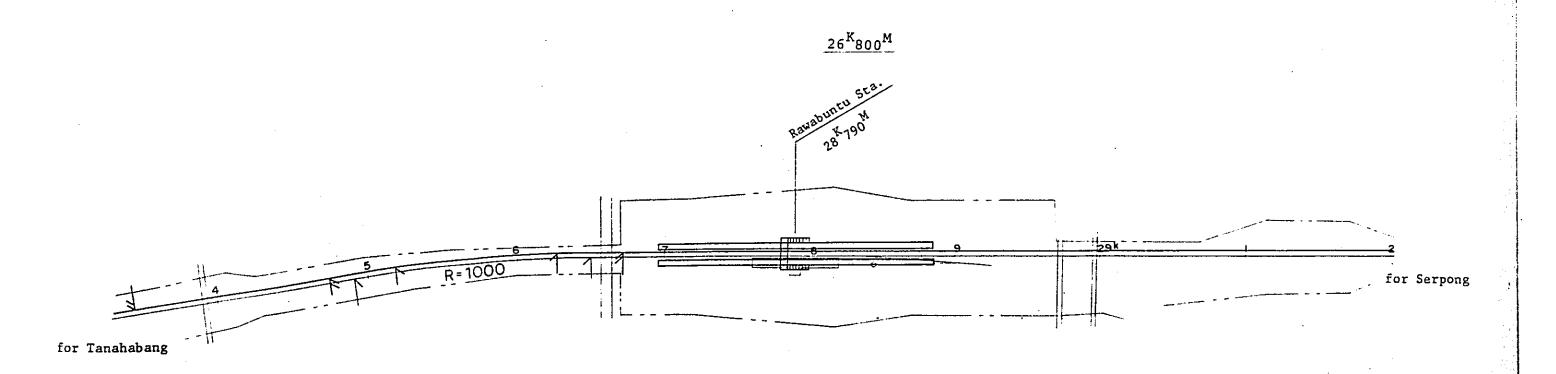


Relief tracks or through tracks for increase of medium and long distance passenger freight services, which will be executed as another project of necessary.

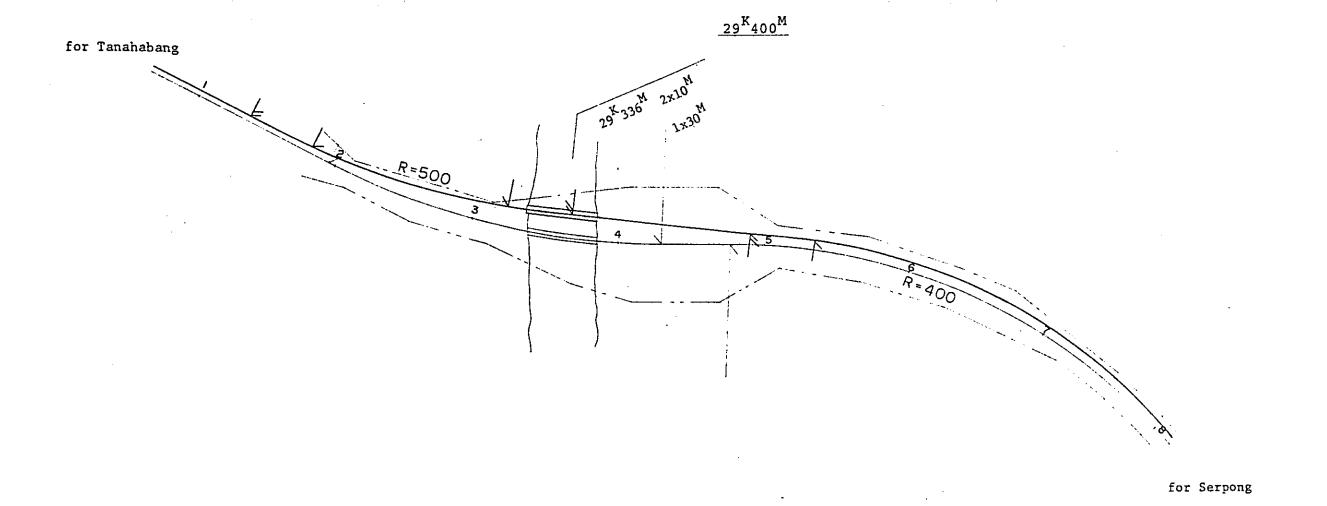


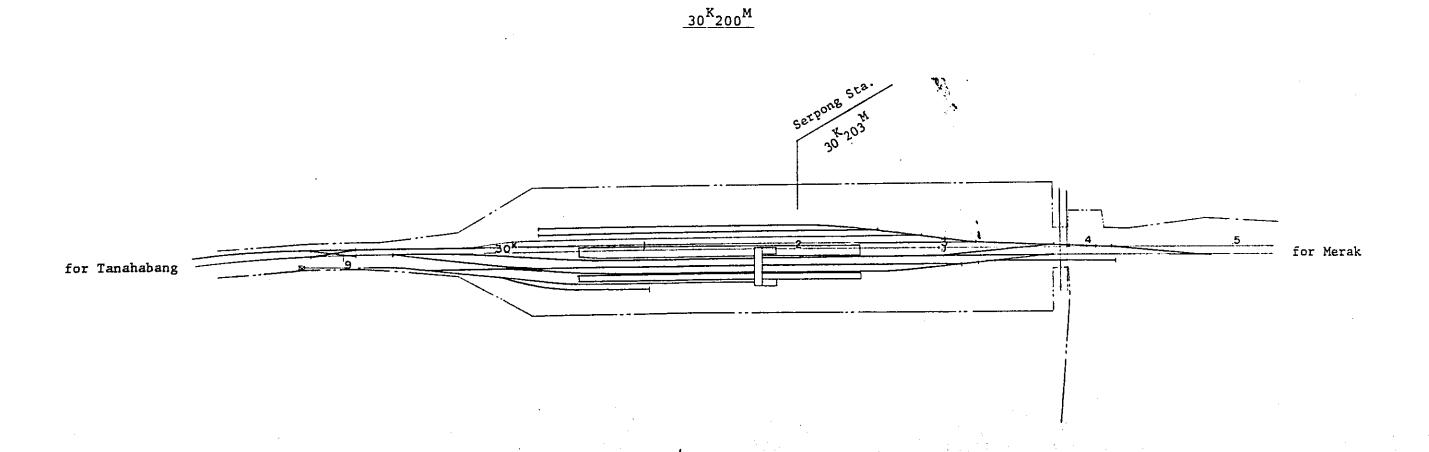




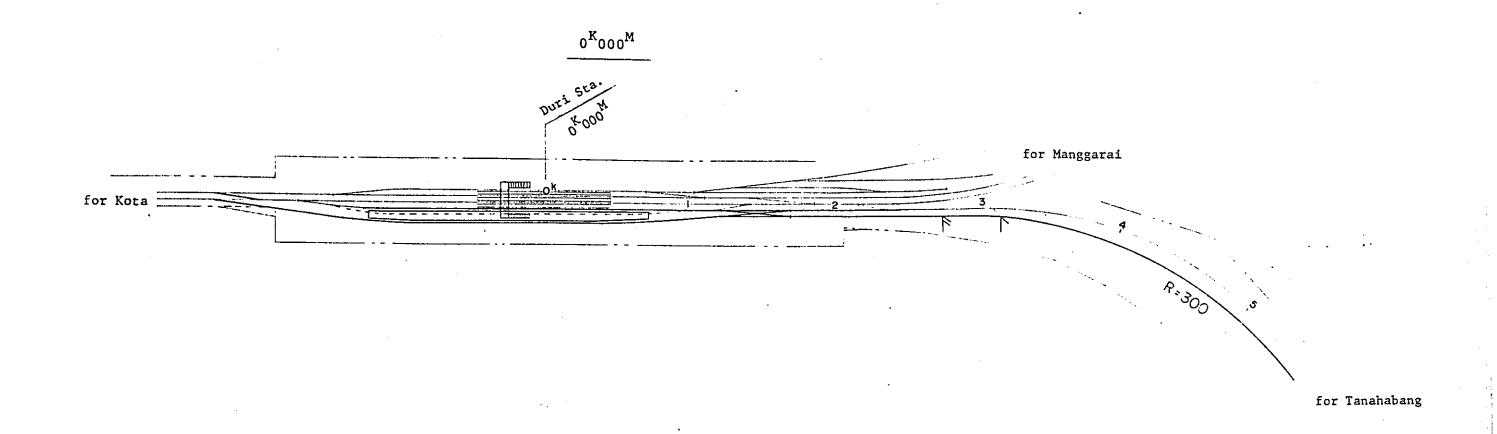


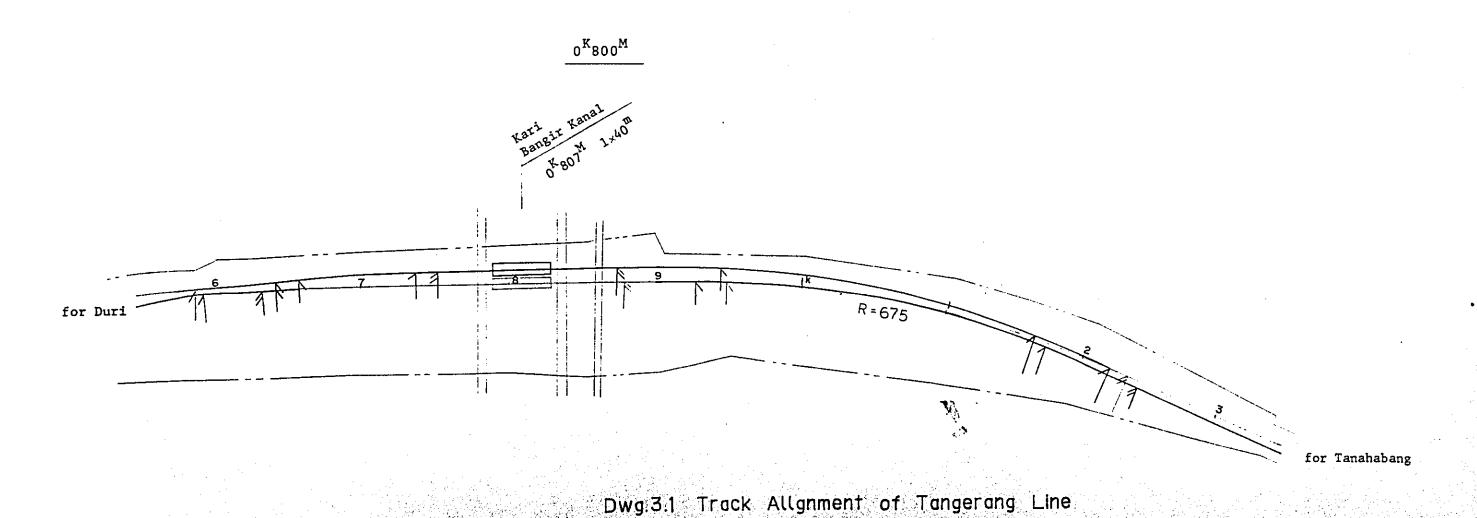
Dwg.2.7 Track Allgnment of Merak Line

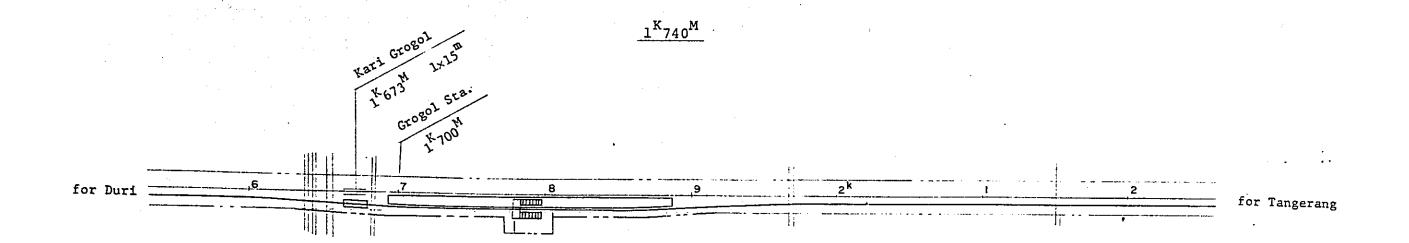




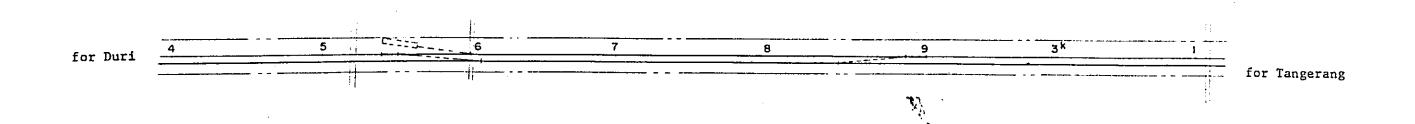
Dwg.2.8 Track Allgnment of Merak Line



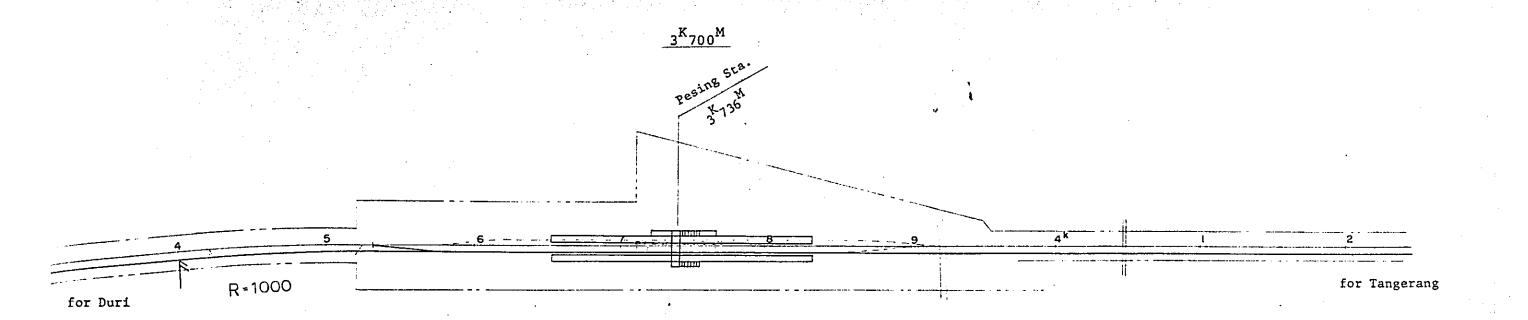


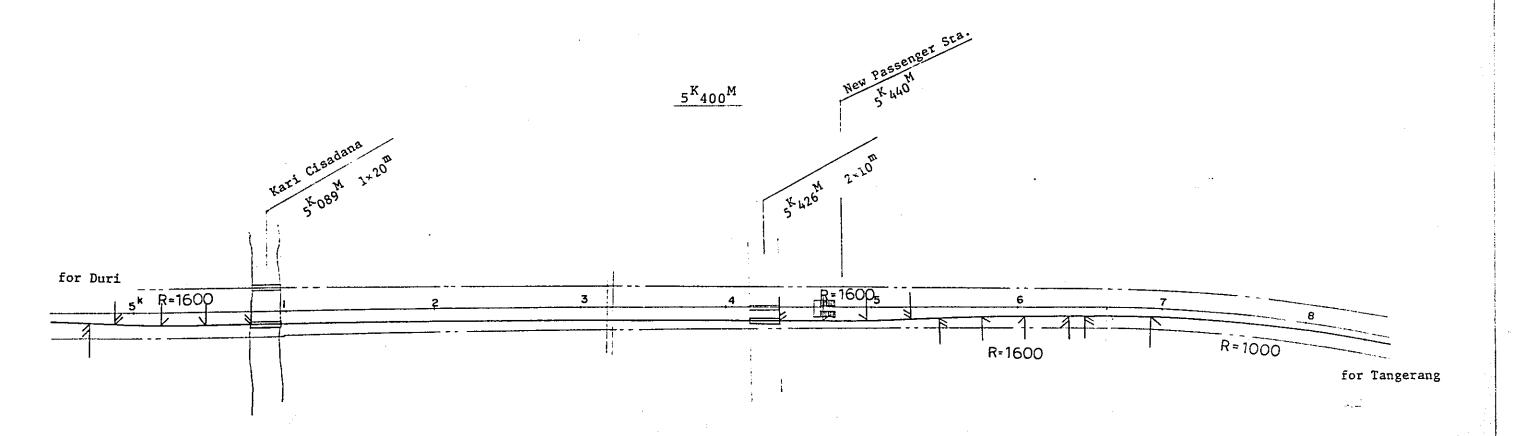


2^K700^M

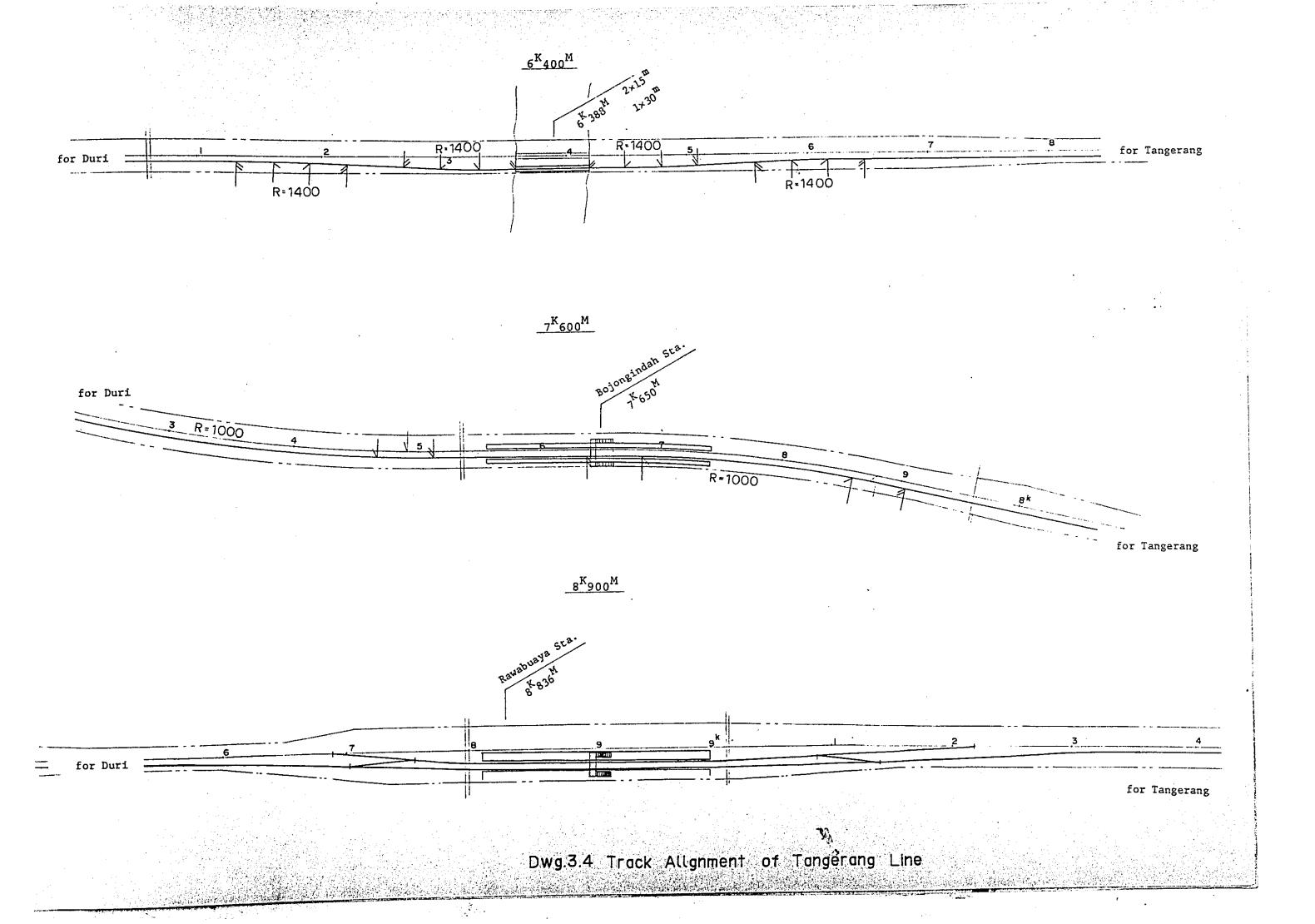


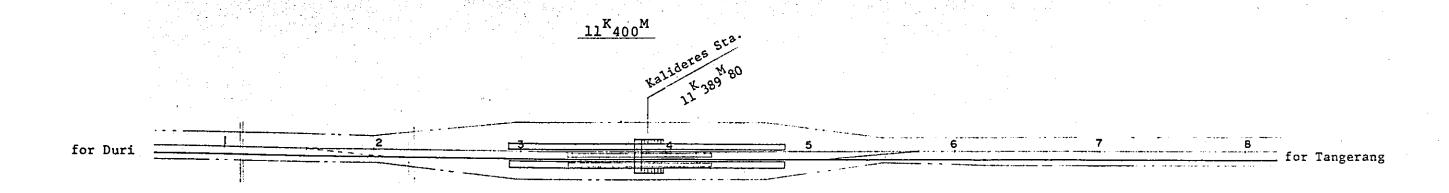
Dwg 3.2 Track Allgnment of Tangerang Line

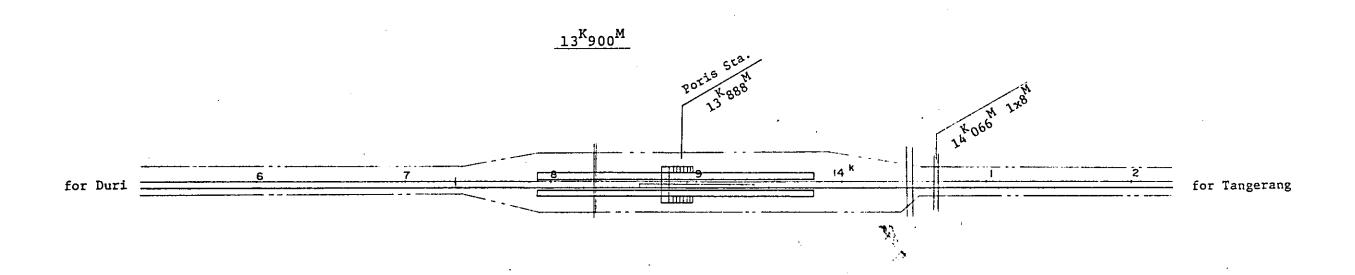


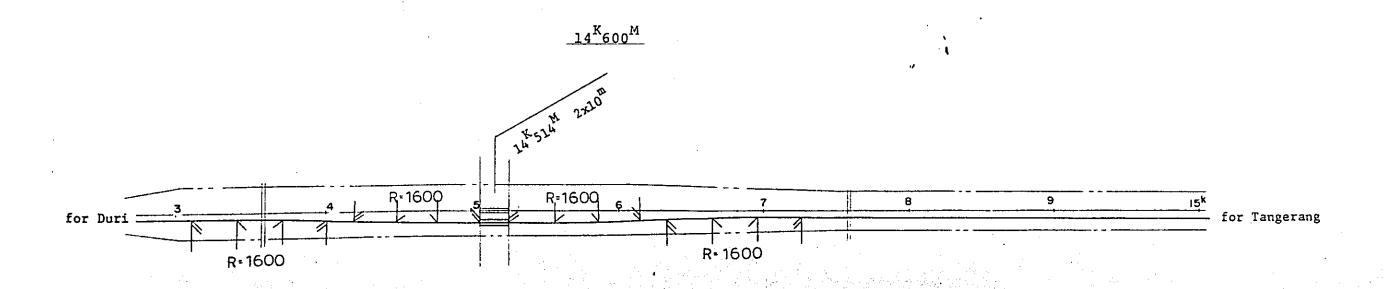


Dwg.3.3 Track Allgnment of Tangerang Line









Dwg.3.5 Track Allgnment of Tangerang Line

