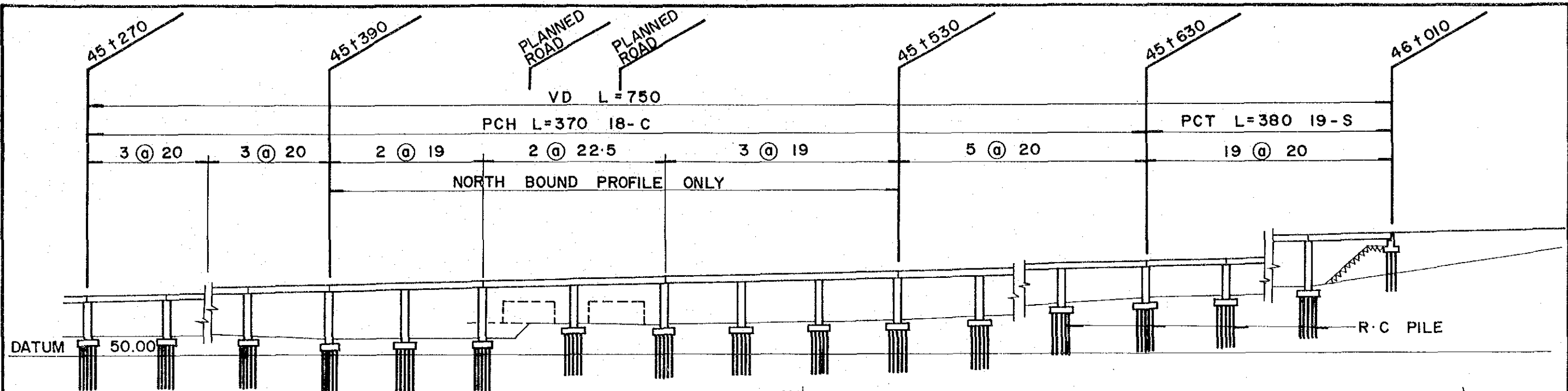
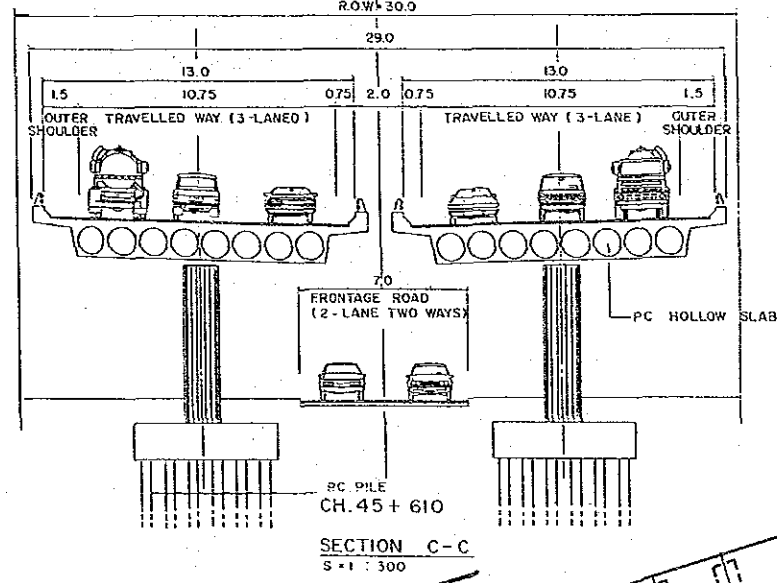


MATCH LINE TO DRG. No. 1

<b>HIGHWAY PROJECT</b>	SCALE : AS SHOWN		<b>THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY</b>
	DRAWING NO : 90	DATE :	
SHAH ALAM HIGHWAY/MRR-II : CENDEKIAWAN VIADUCT (1)			

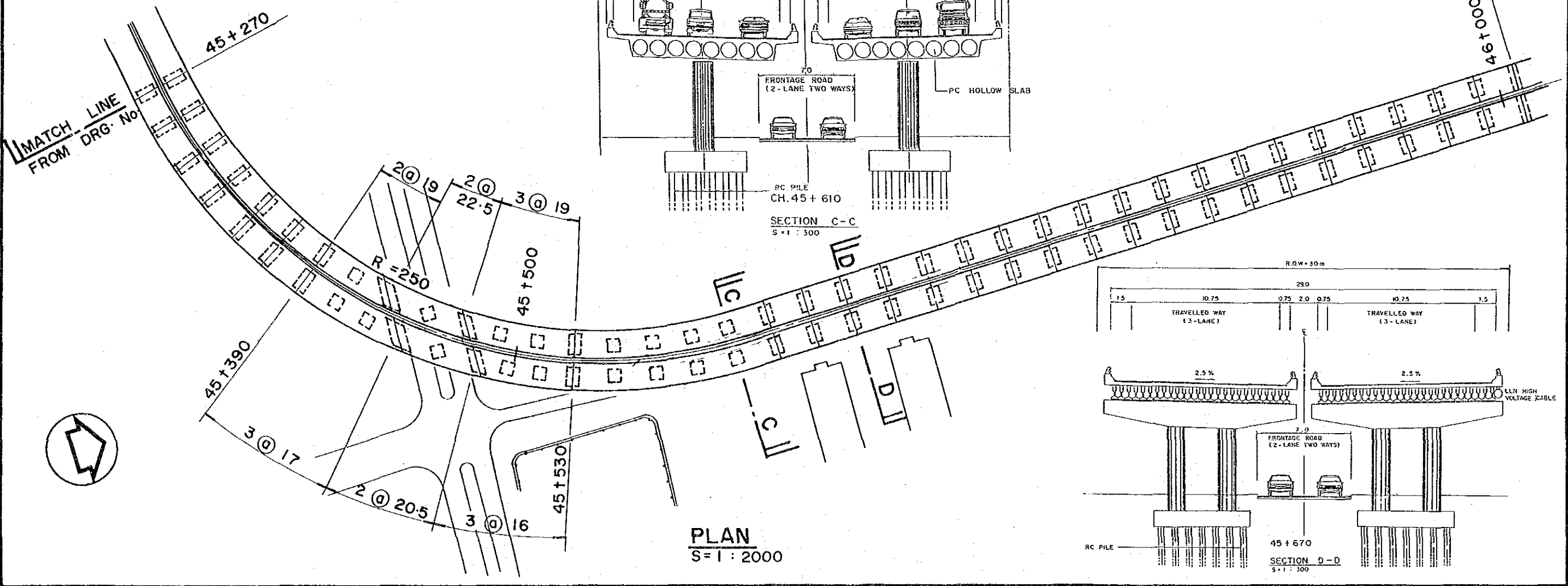


**ELEVATION**  
S = 1 : 1000

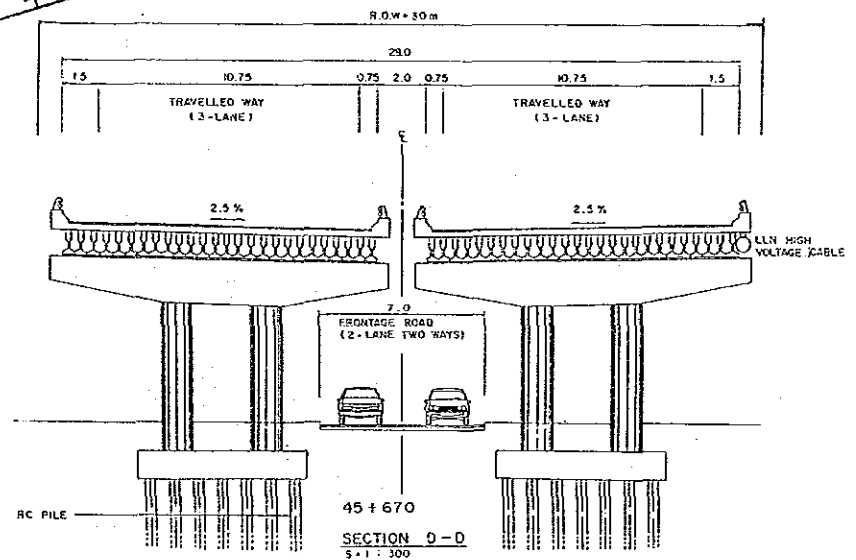


**SECTION C-C**  
S = 1 : 300

**MIDDLE RING ROAD II**



**PLAN**  
S = 1 : 2000



**SECTION D-D**  
S = 1 : 300

**HIGHWAY PROJECT**

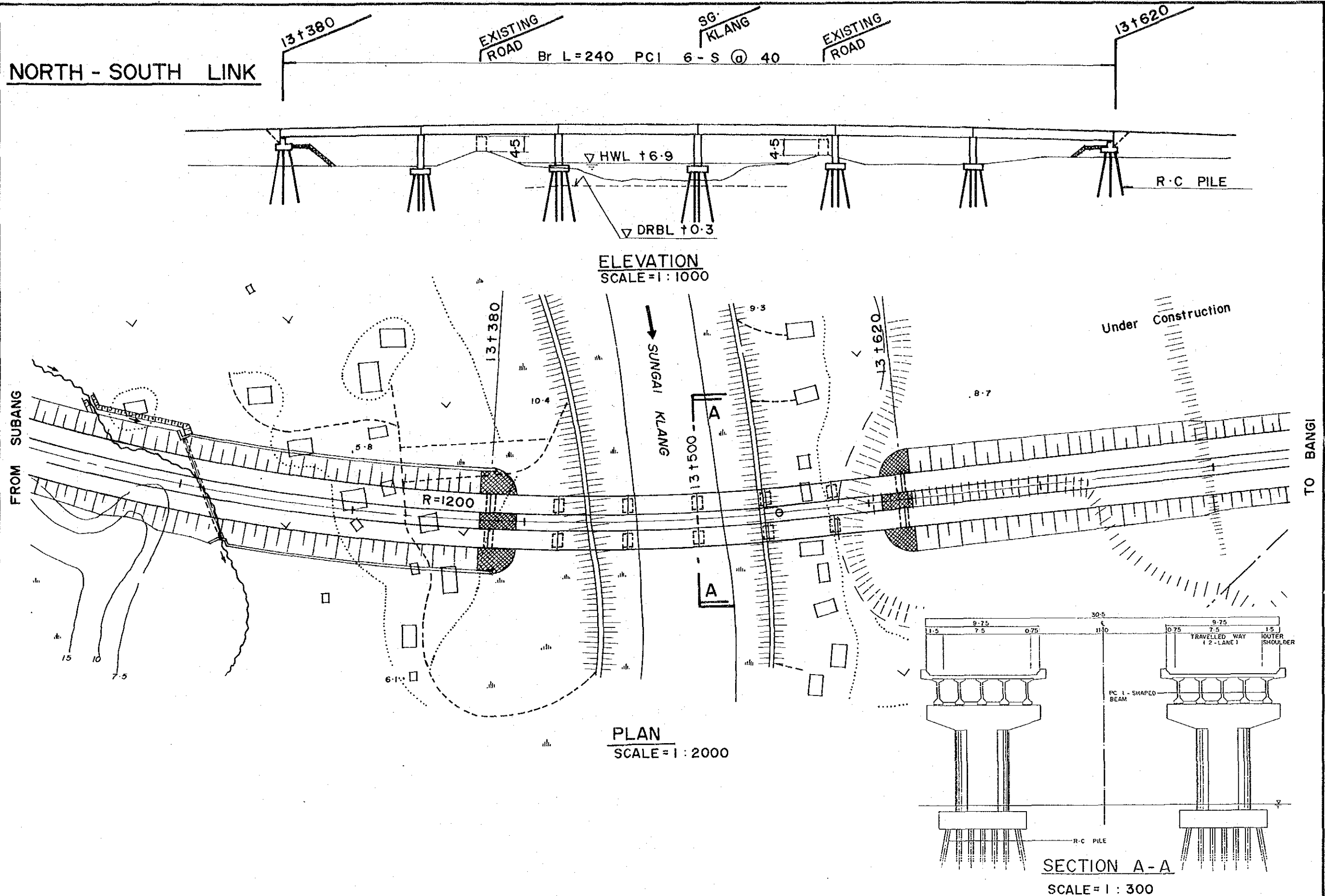
SHAH ALAM HIGHWAY/MRR-II : CENDEKIAWAN VIADUCT (2)

SCALE : AS SHOWN

DRAWING NO : 91      DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

**JAPAN INTERNATIONAL COOPERATION AGENCY**



**HIGHWAY PROJECT**

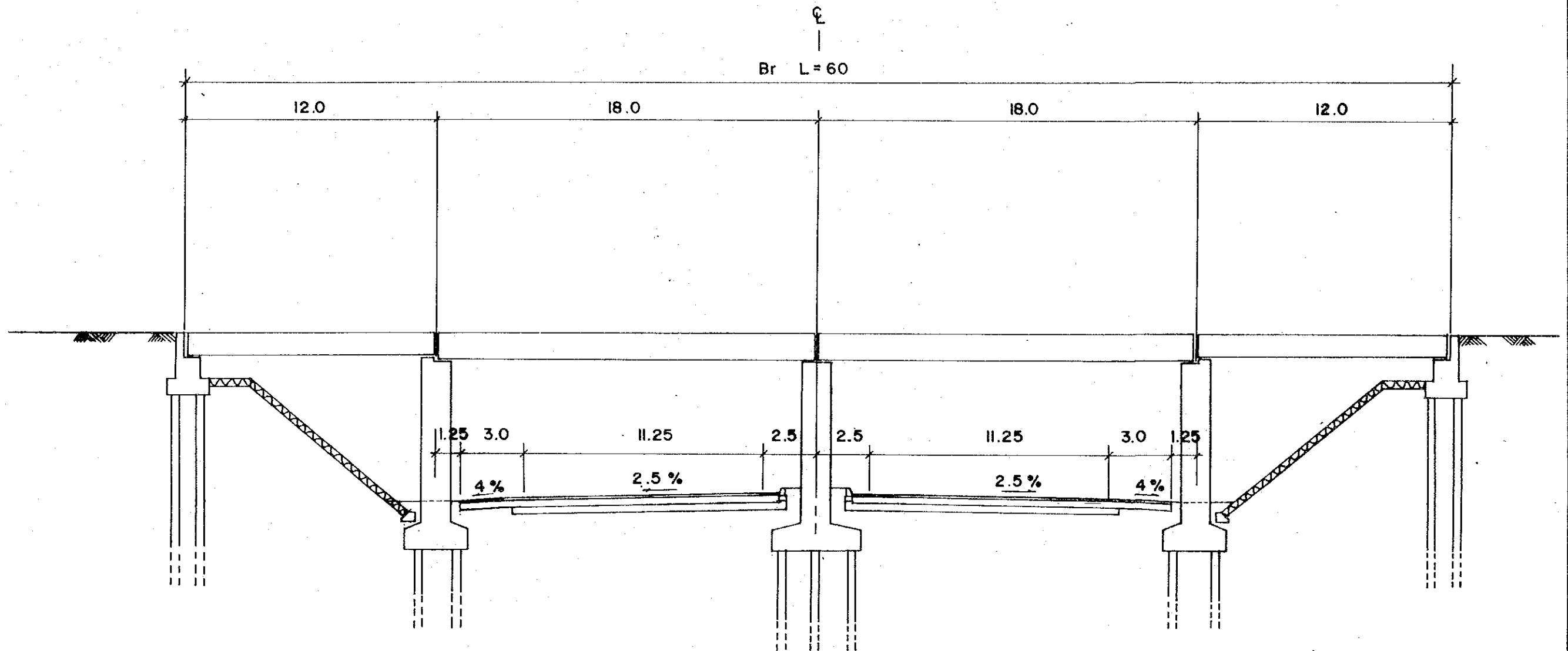
SCALE : AS SHOWN

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

NORTH-SOUTH EXPRESSWAY LINK : BRIDGE OVER SG.KLANG CH.13+380

DRAWING NO : 92 DATE :

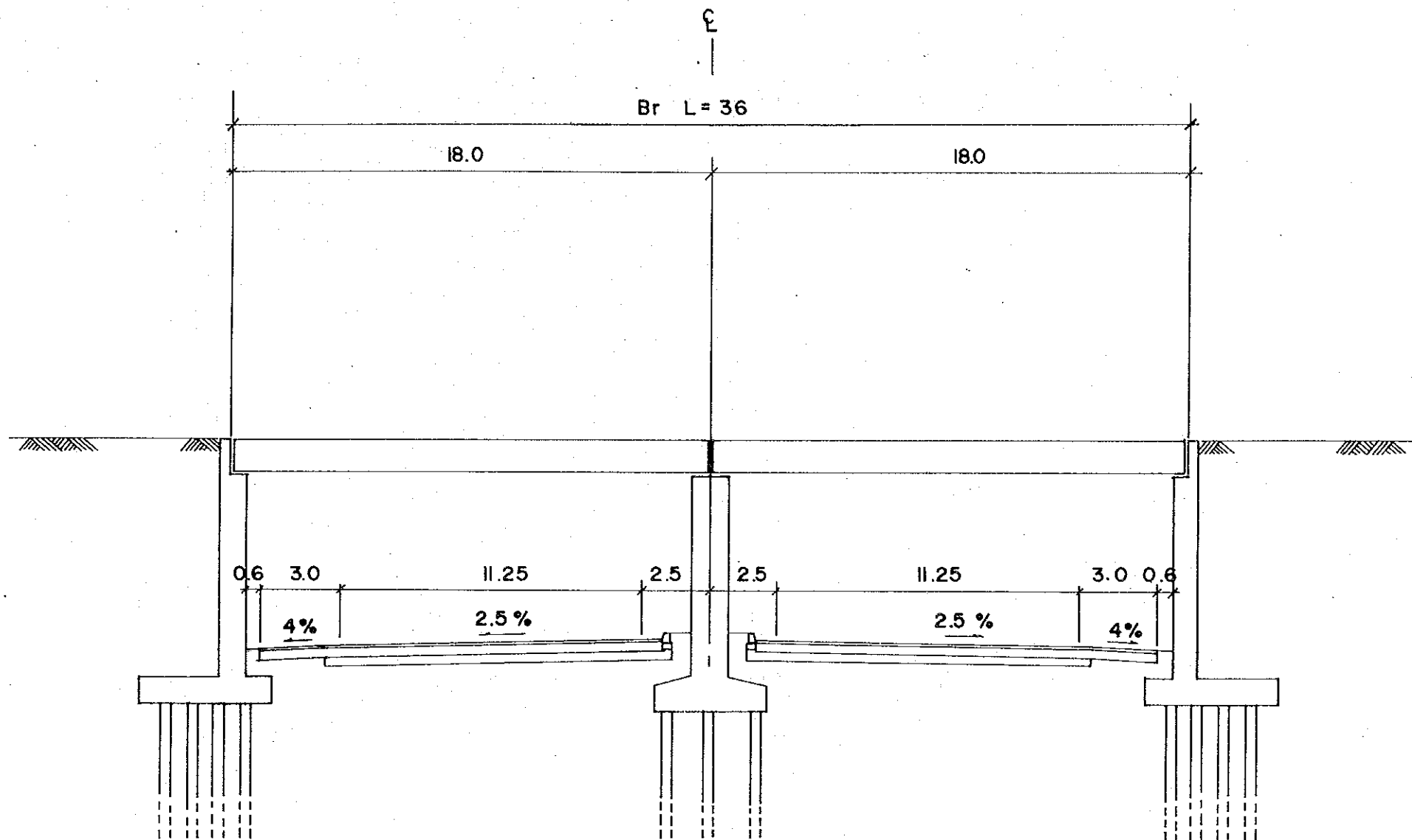
**JAPAN INTERNATIONAL COOPERATION AGENCY**



**BRIDGE OVER EXPRESSWAY (1)**

P.C. INVERTED T-SHAPED BEAM  
 4-S 12.0+18.0+18.0+12.0 WITH PILE BENT ABUTMENTS

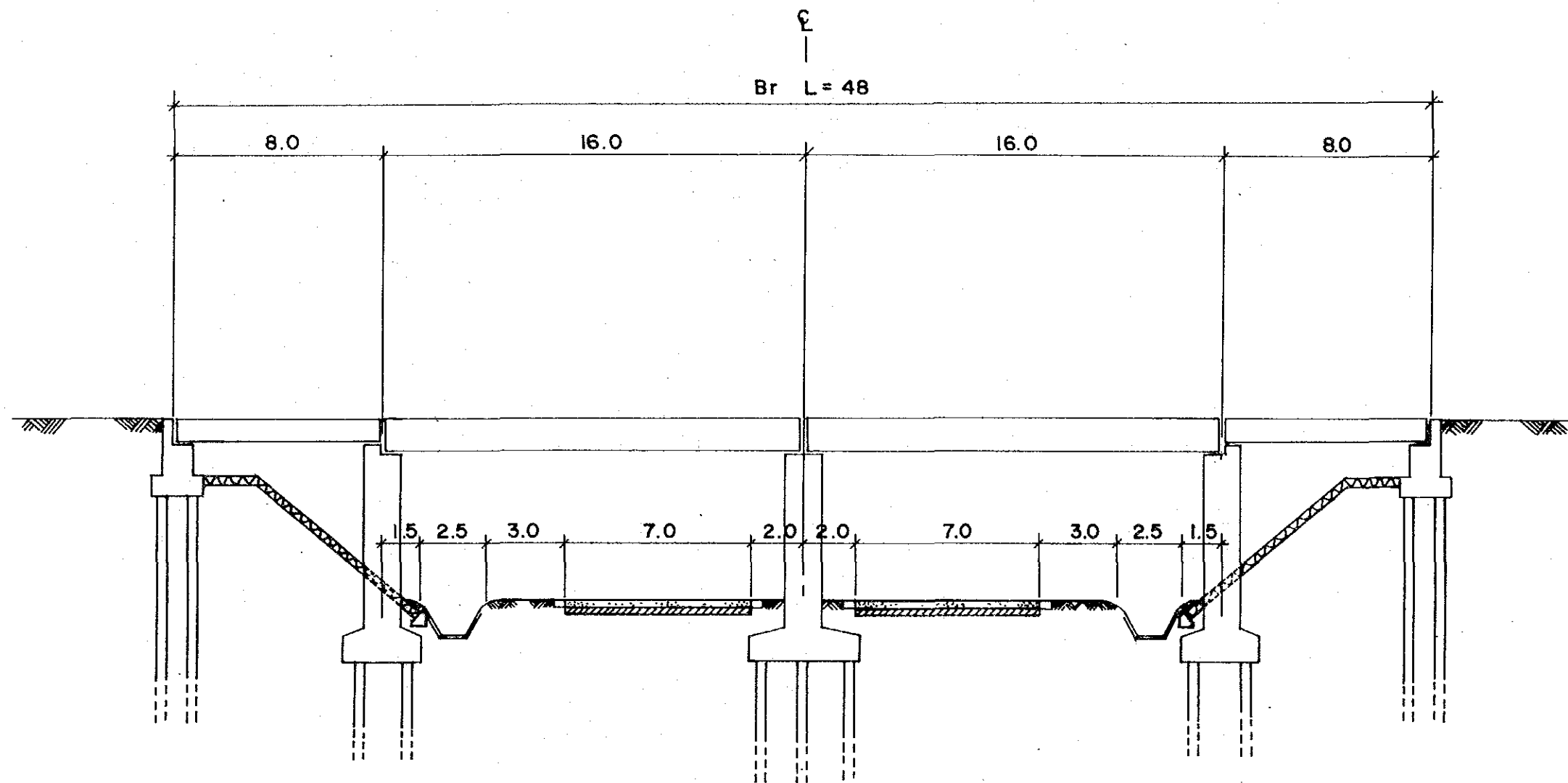
HIGHWAY PROJECT	SCALE : 1 : 200		THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY
	DRAWING NO : 93	DATE :	
BRIDGE OVER EXPRESSWAY (1)			



**BRIDGE OVER EXPRESSWAY (2)**

P.C. INVERTED T-SHAPED BEAM  
 2-S @ 18.0 WITH INVERTED T-TYPE ABUTMENTS

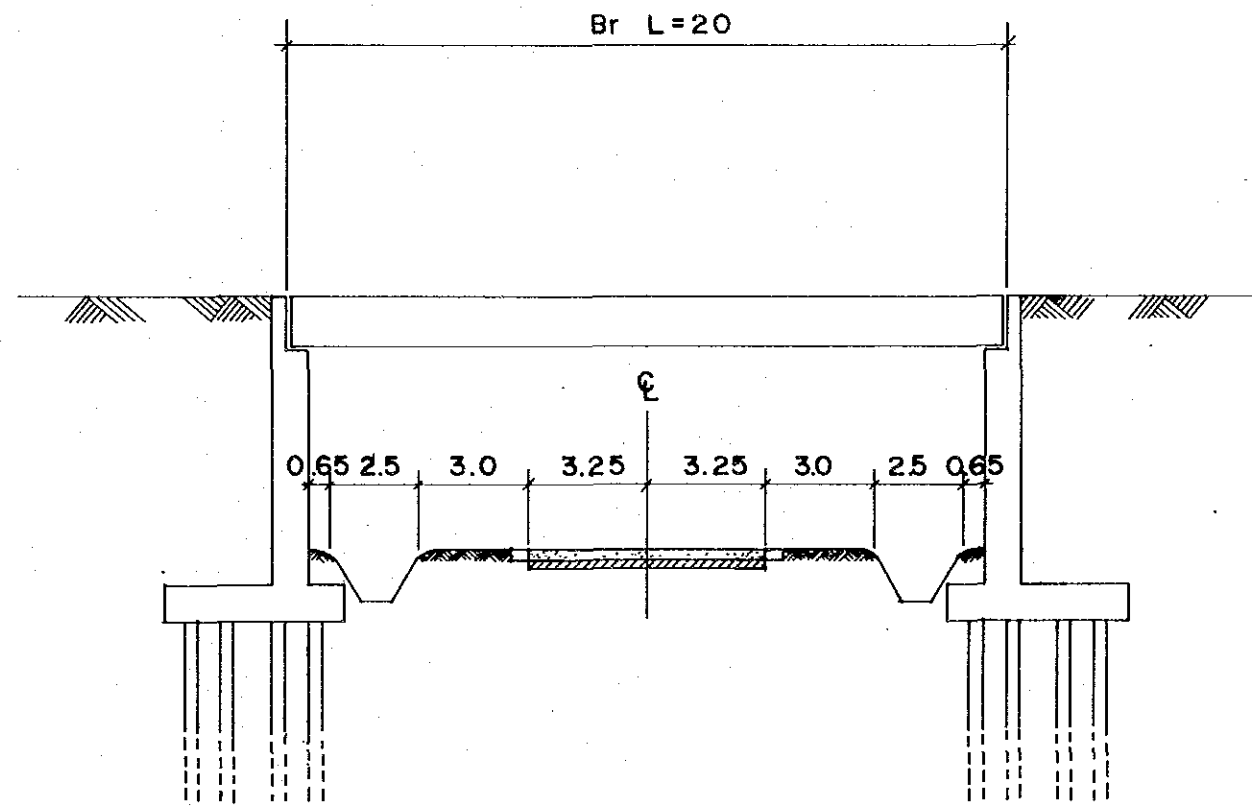
HIGHWAY PROJECT	SCALE :	1:200	THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY
	DRAWING NO :	94	
BRIDGE OVER EXPRESSWAY (2)			JAPAN INTERNATIONAL COOPERATION AGENCY



**BRIDGE OVER PRIMARY ROAD**

P.C. INVERTED T-SHAPED BEAM  
 4-S 8+16+16+8 WITH PILE BENT ABUTMENTS

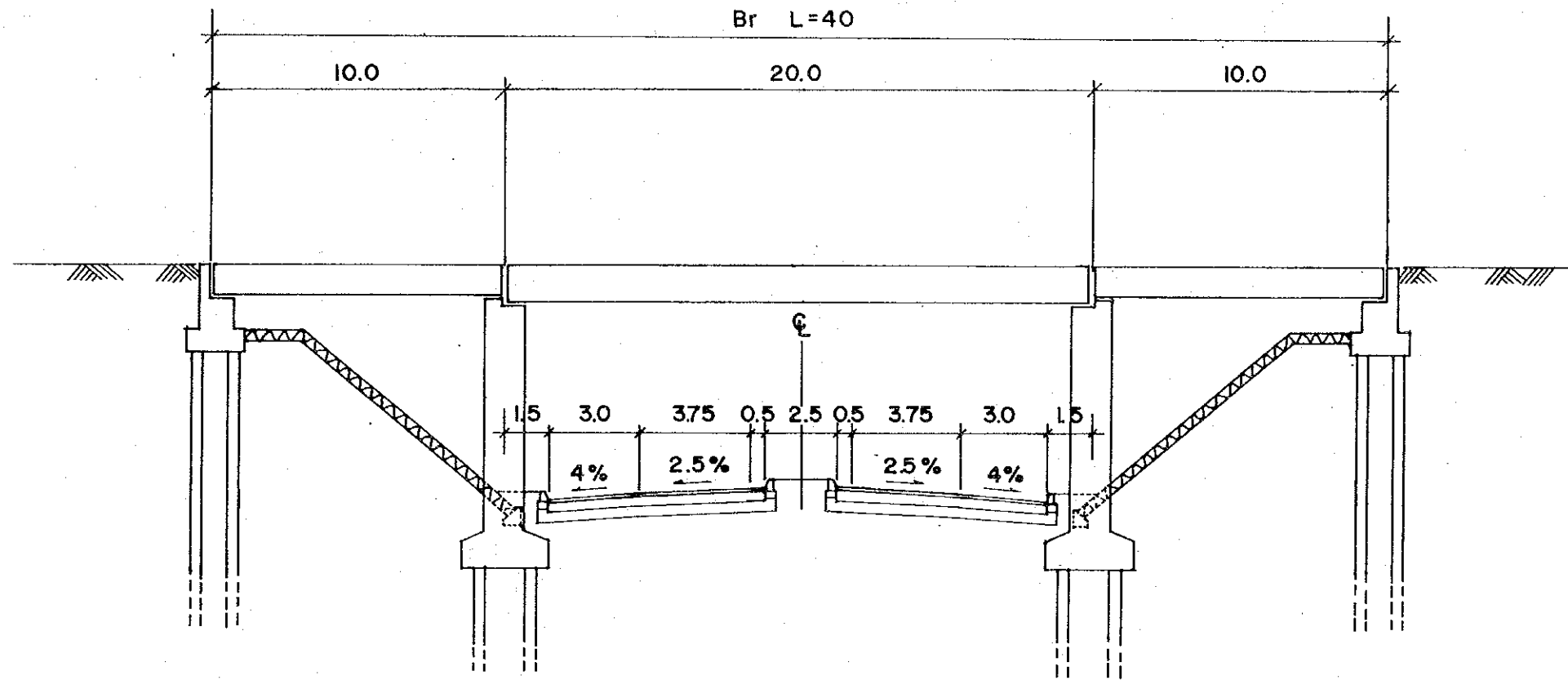
<b>HIGHWAY PROJECT</b>	SCALE :	1 : 200	<b>THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY</b>
	BRIDGE OVER PRIMARY ROAD	DRAWING NO :	
		95	<b>JAPAN INTERNATIONAL COOPERATION AGENCY</b>



**BRIDGE OVER SECONDARY ROAD**

P.C. INVERTED T-SHAPED BEAM WITH INVERTED T-TYPE ABUTMENTS

<b>HIGHWAY PROJECT</b>  BRIDGE OVER SECONDARY ROAD	SCALE : 1 : 200	<b>THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY</b>  <b>JAPAN INTERNATIONAL COOPERATION AGENCY</b>
	DRAWING NO : 96      DATE :	



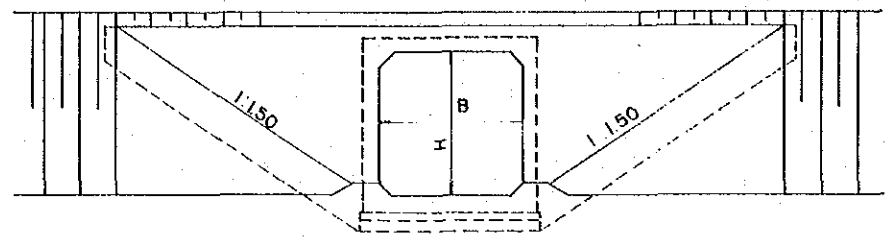
**BRIDGE OVER RAMPWAY  
(TWO LANES)**

P.C. INVERTED T-SHAPED BEAM  
3 - S 10+20+10 WITH PILE BENT ABUTMENTS

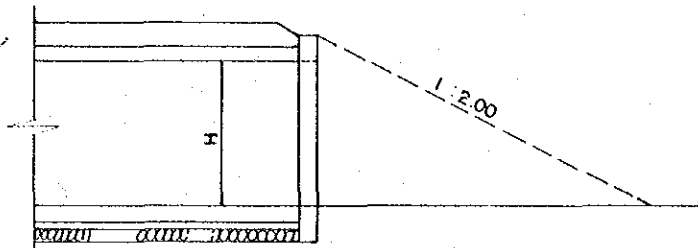
HIGHWAY PROJECT	SCALE :	1:200	THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY
	BRIDGE OVER RAMPWAY ROAD	DRAWING NO :	
		97	JAPAN INTERNATIONAL COOPERATION AGENCY



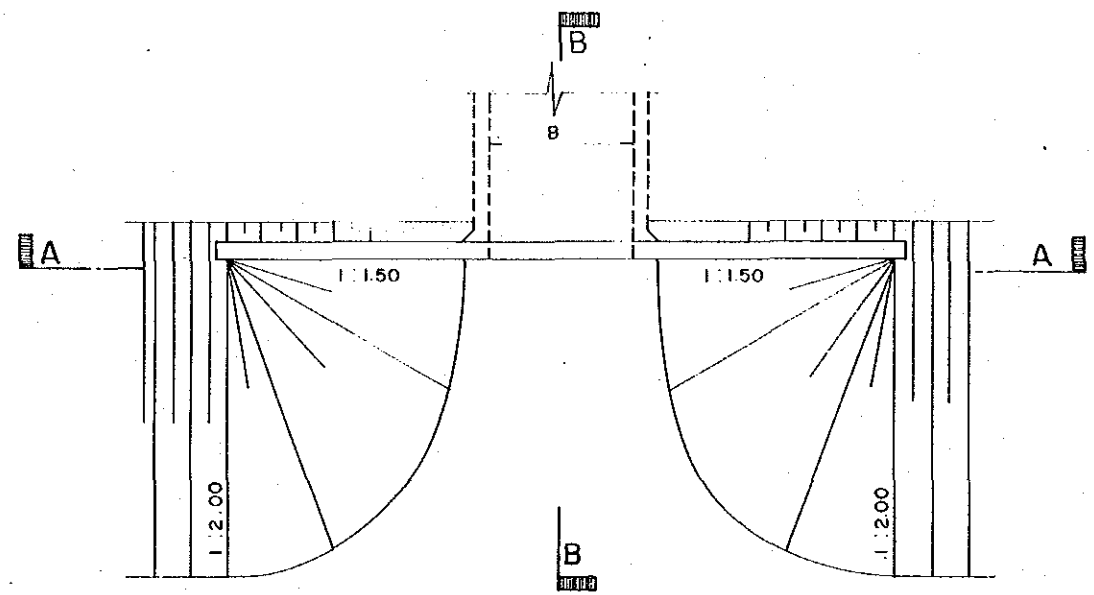
## **9.0 MISCELLANEOUS WORKS**



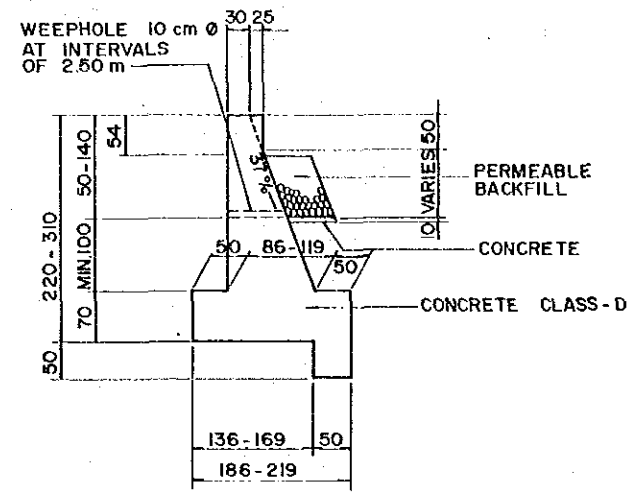
SECTION A - A



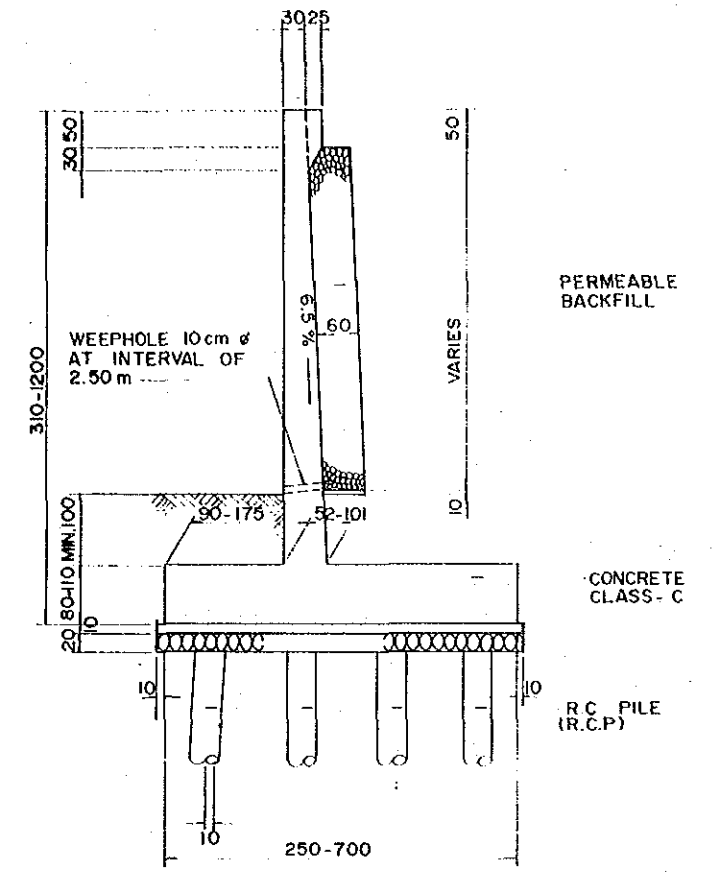
SECTION B - B



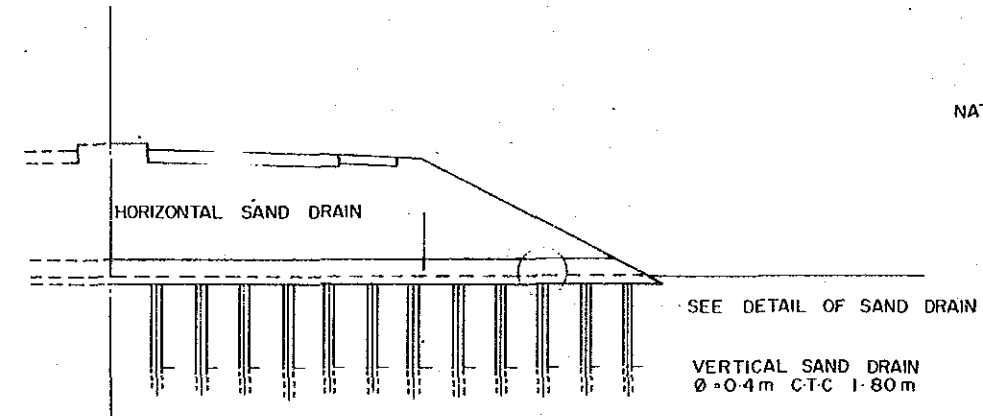
PLAN  
BOX CULVERT  
SCALE = 1:200



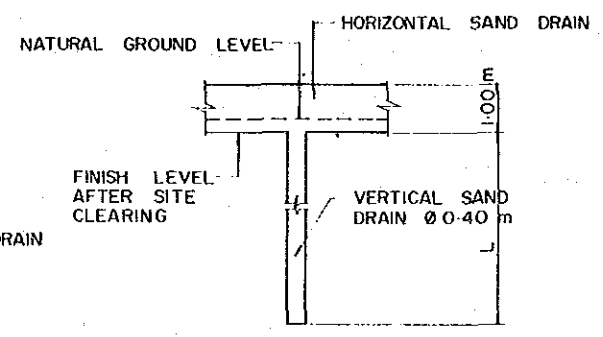
CROSS SECTION OF  
RETAINING WALL  
SCALE = 1:10



CROSS SECTION OF  
RETAINING WALL  
SCALE = 1:10



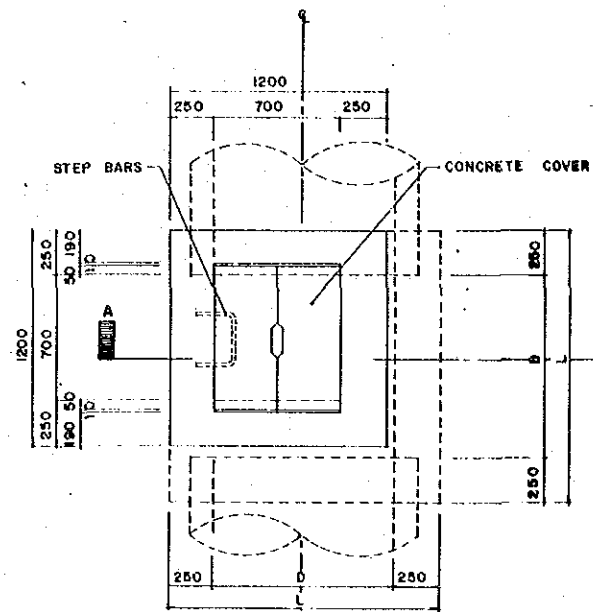
CROSS-SECTION OF SAND DRAIN  
SCALE = 1:300



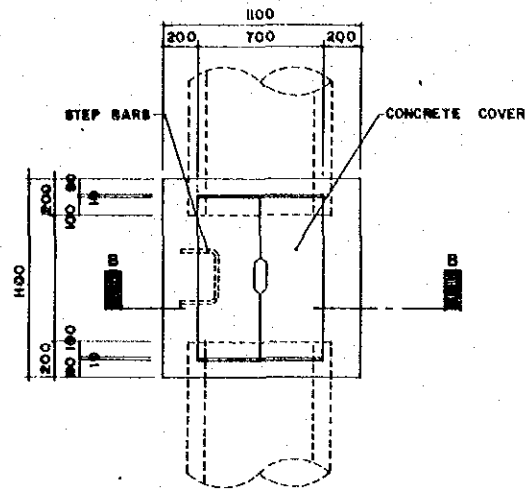
DETAIL OF SAND DRAIN  
SCALE = 1:150

NOTE  
ALL DIMENSIONS ARE IN CM. UNLESS OTHERWISE STATED.

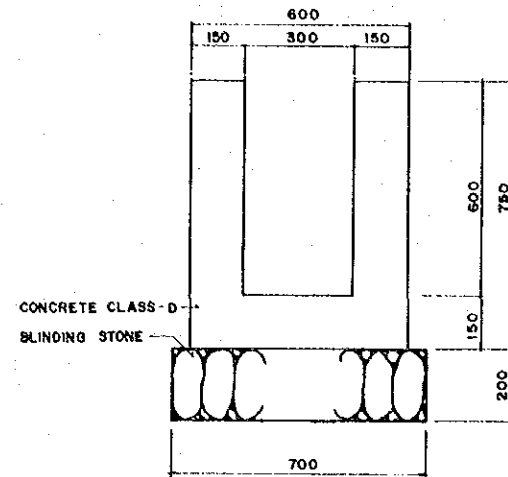
<b>HIGHWAY PROJECT</b>  MISCELLANEOUS WORKS (I)	SCALE : AS SHOWN		<b>THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY</b>  <b>JAPAN INTERNATIONAL COOPERATION AGENCY</b>
	DRAWING NO : 98	DATE :	



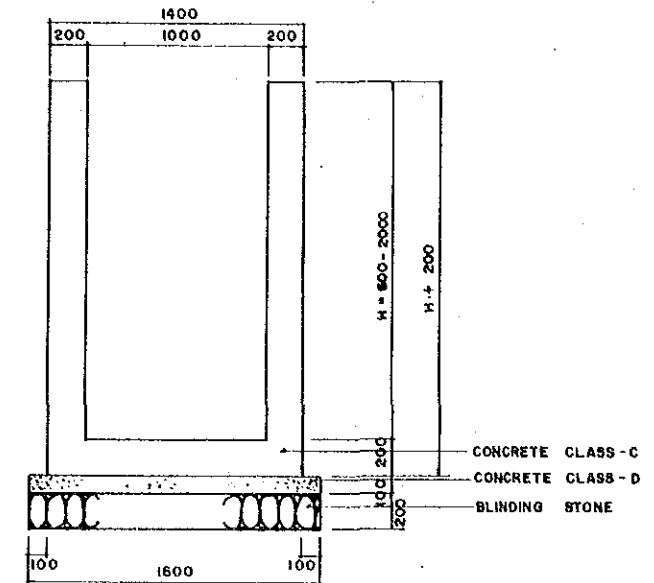
PLAN



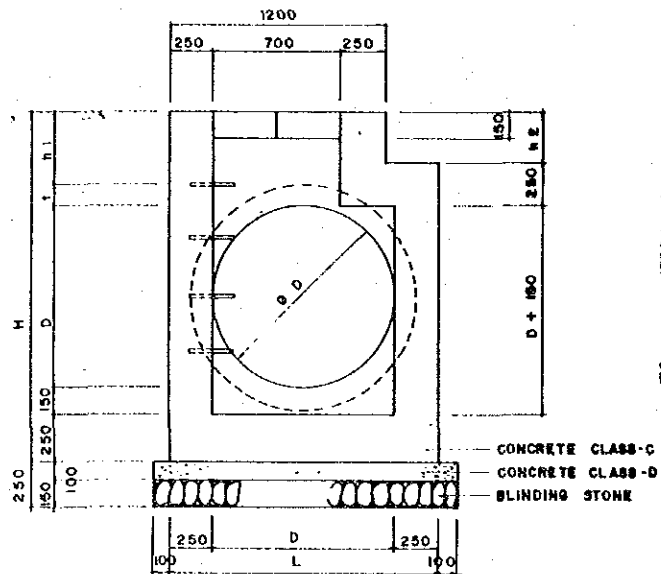
PLAN



SCALE : 1:20  
U-DITCH , 0.3 m x 0.6 m

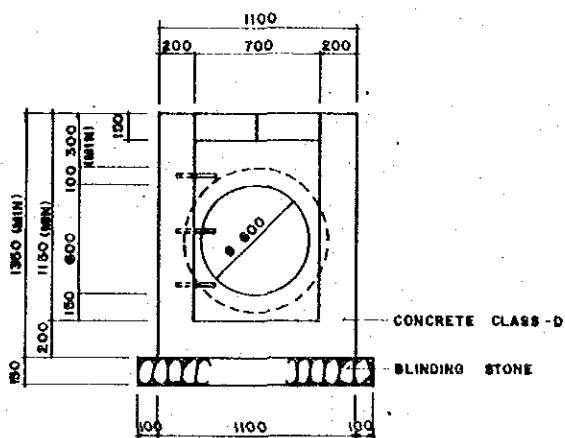


SCALE : 1:40  
U-DITCH , 1.0 m x (0.6 -2.0 m)

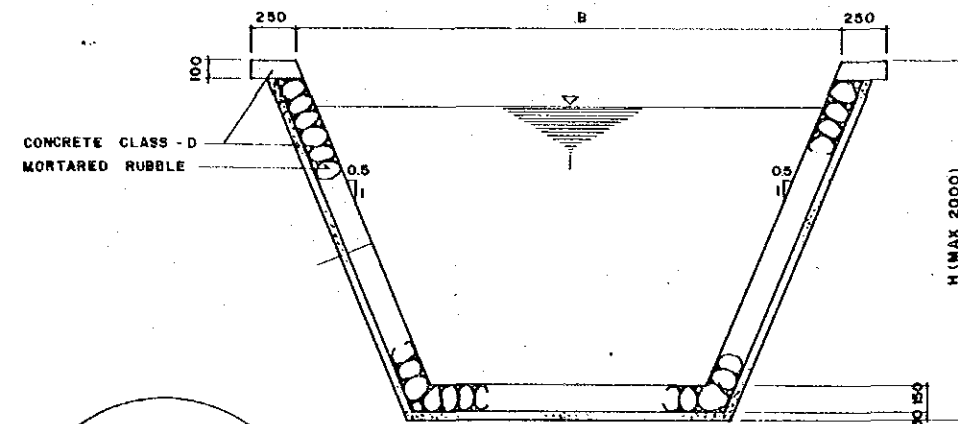


SCALE : 1:40  
SECTION A-A  
CATCH BASIN FOR RC PIPE  
D = 100 cm

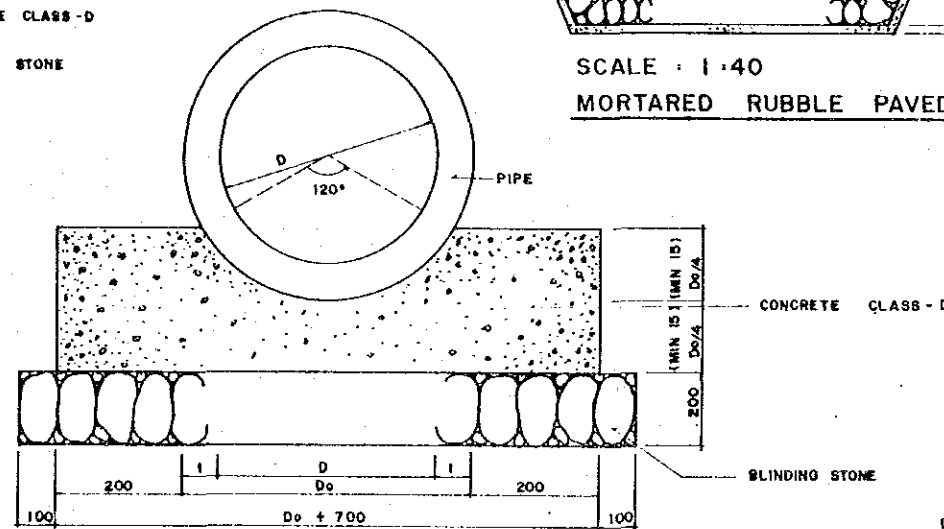
D	I	H	H1	H2	L
1000	130	1930	400	280	1800



SCALE : 1:40  
SECTION B-B  
CATCH BASIN FOR RC PIPE  
D = 60 cm



SCALE : 1:40  
MORTARED RUBBLE PAVED WATERWAY



SCALE : 1:20  
RC PIPE

D	I	Do
600	100	800
1000	130	1260

- NOTES
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
  2. CONCRETE CLASS-C SHALL BE REINFORCED CONCRETE.

HIGHWAY PROJECT

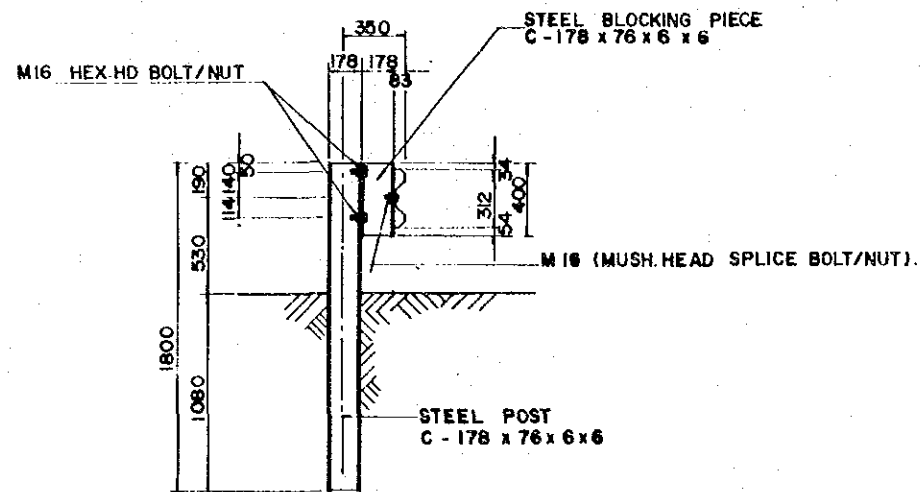
MISCELLANEOUS WORKS (2)

SCALE : AS SHOWN

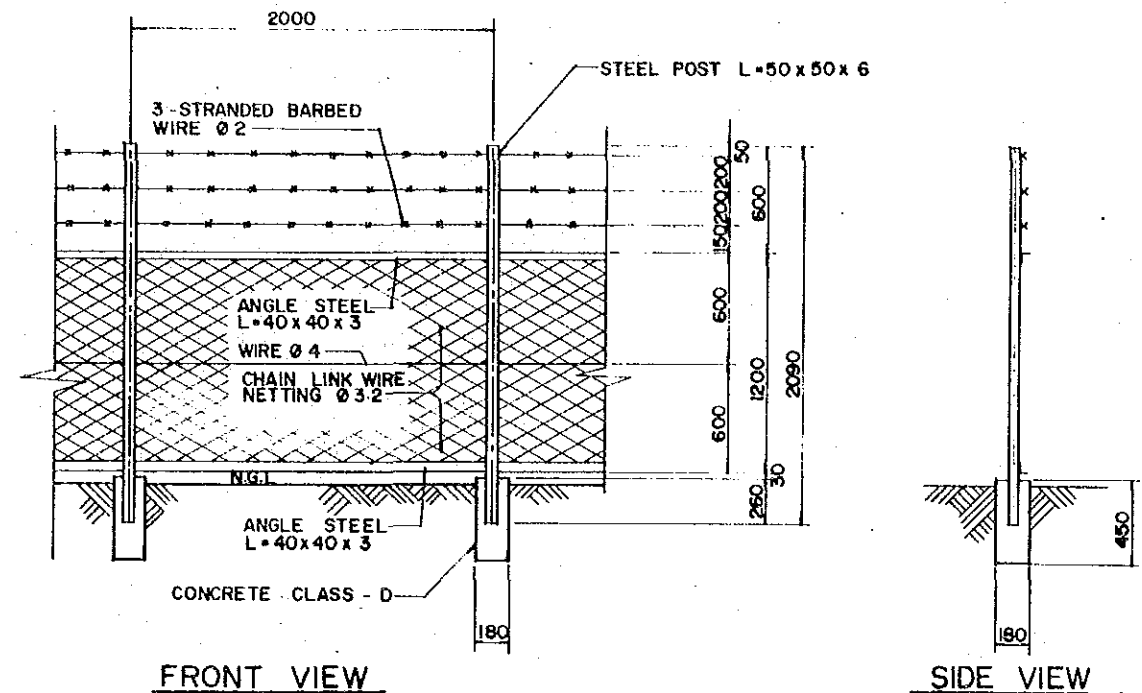
DRAWING NO : 99  
DATE :

THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY

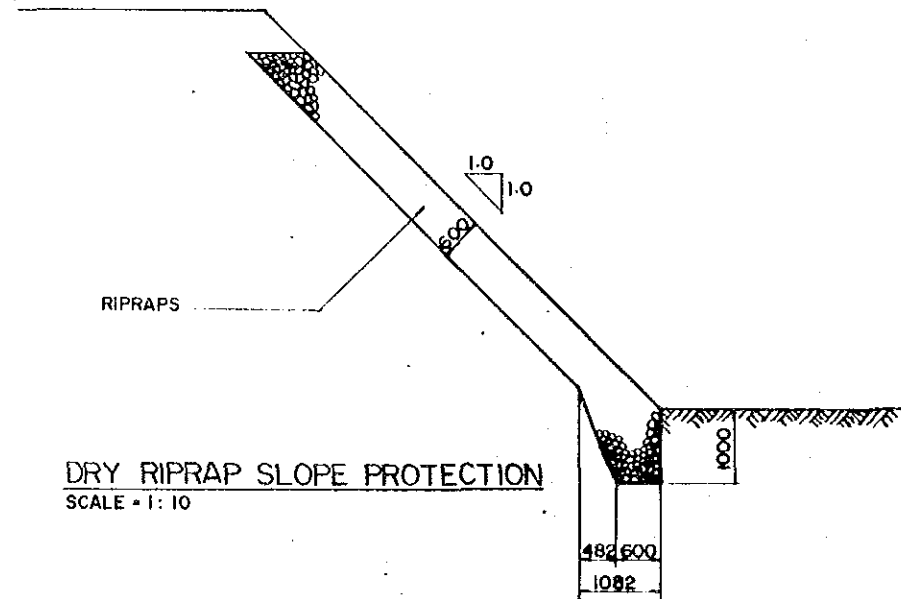
JAPAN INTERNATIONAL COOPERATION AGENCY



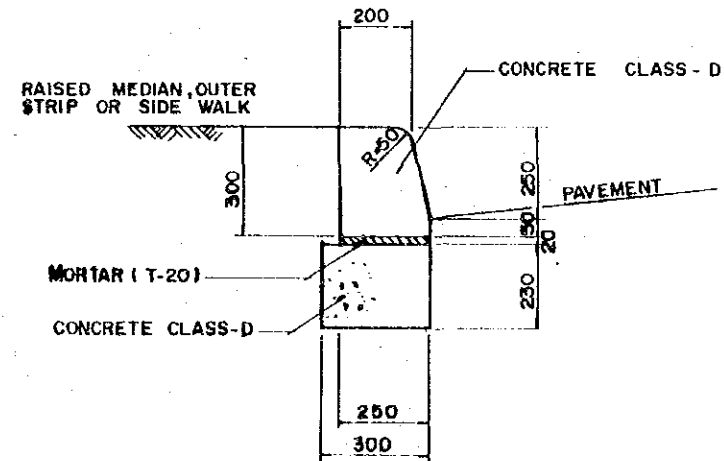
**SECTION OF GUARDRAIL**  
SCALE = 1 : 40



**FRONT VIEW**  
**SEPARATOR FENCE**  
SCALE = 1 : 40



**DRY RIPRAP SLOPE PROTECTION**  
SCALE = 1 : 10



**CONCRETE CURB**  
SCALE = 1 : 20

**NOTE**  
ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.

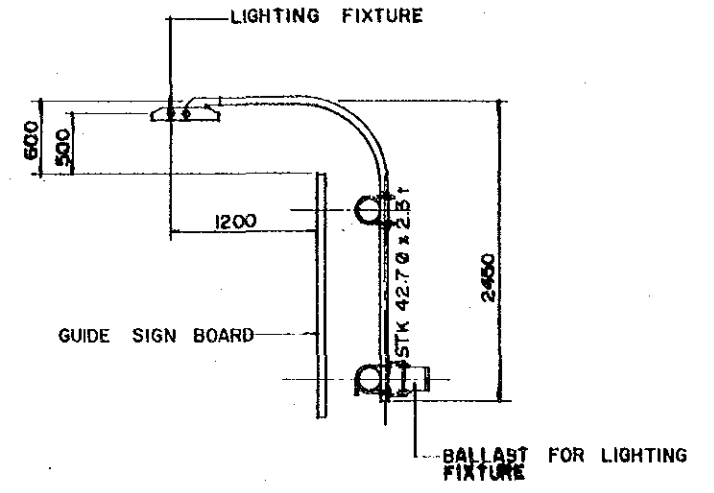
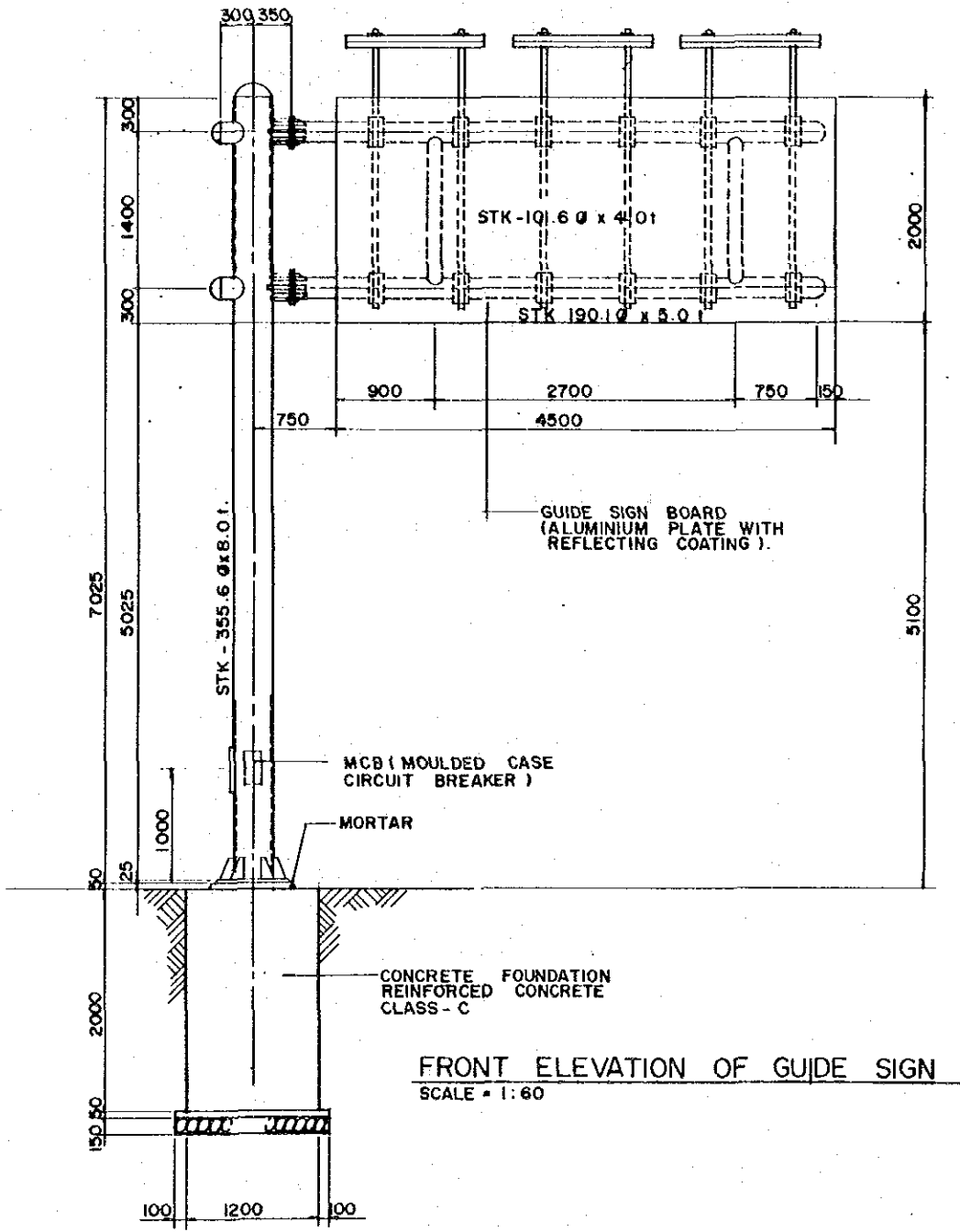
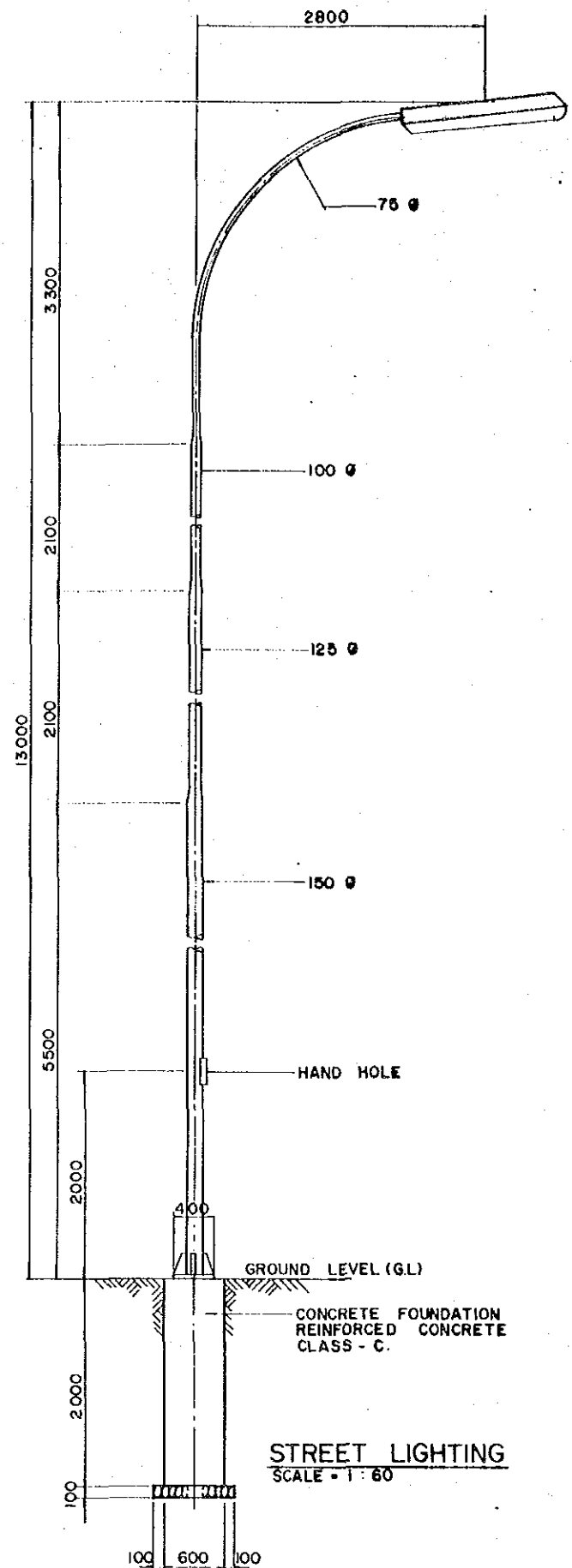
**HIGHWAY PROJECT**

MISCELLANEOUS WORKS (3)

SCALE : AS SHOWN

DRAWING NO : 100      DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**



**SIDE ELEVATION**  
SCALE = 1:60

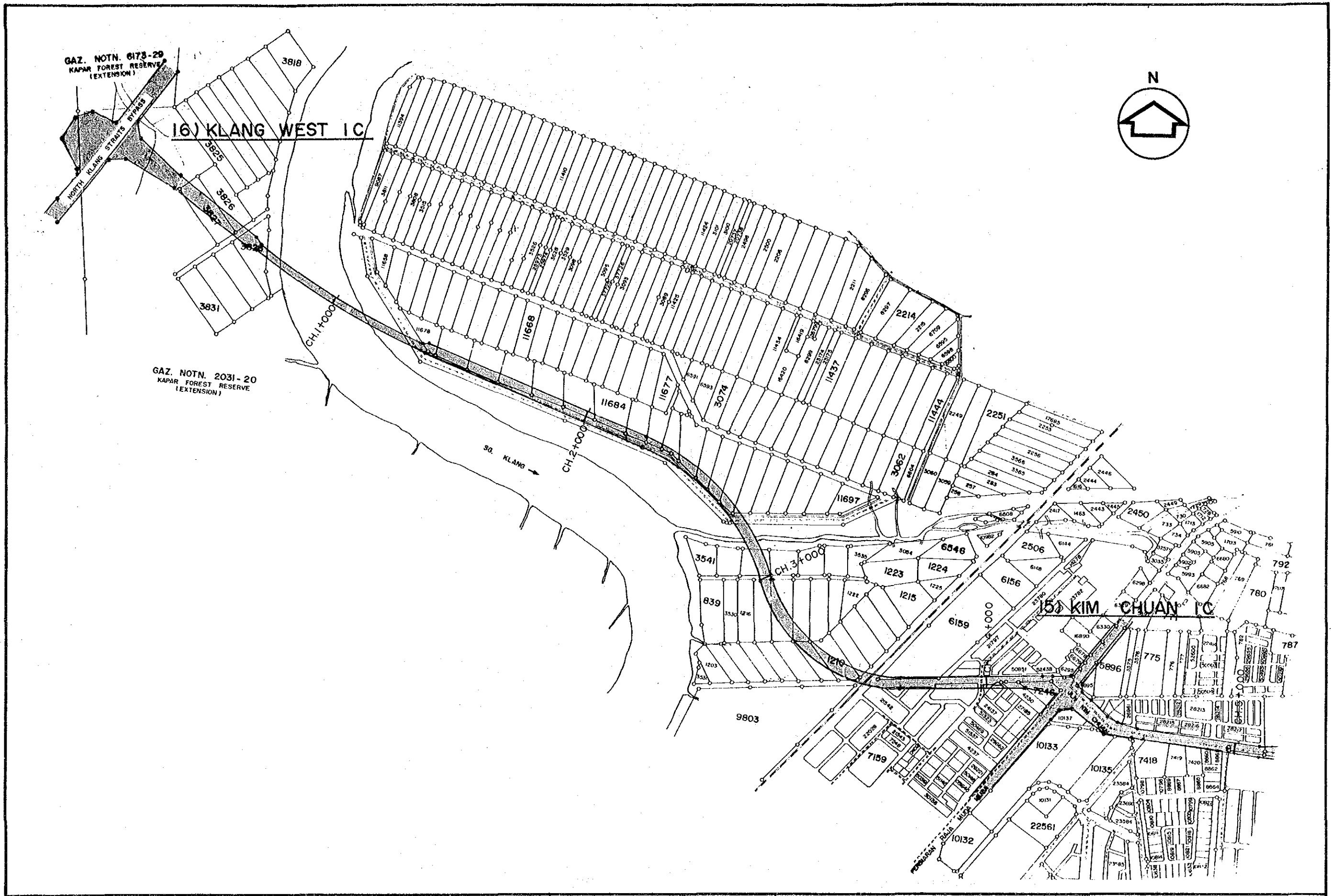
NOTE  
ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.

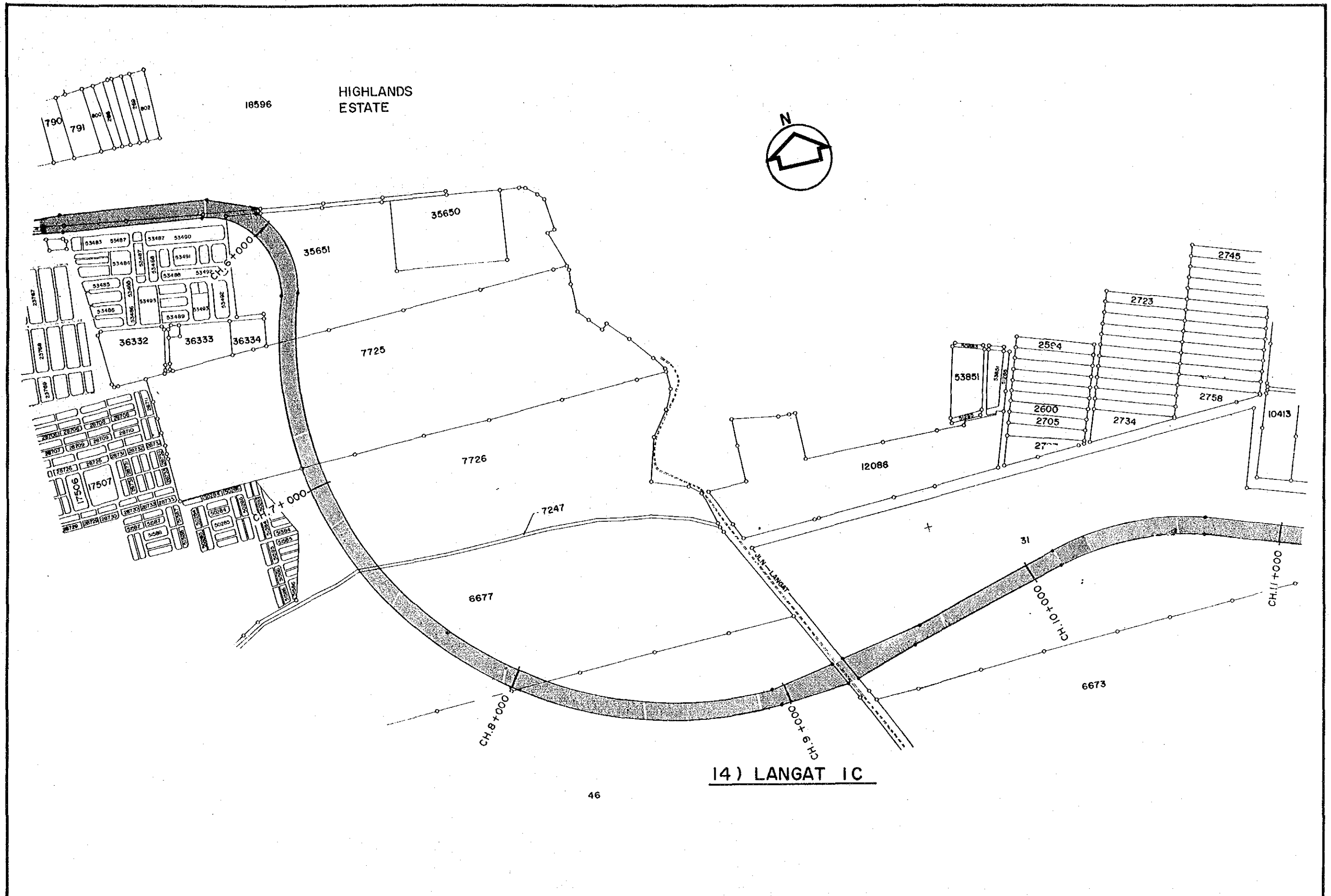
**HIGHWAY PROJECT**  
MISCELLANEOUS WORKS (4)

SCALE : AS SHOWN  
DRAWING NO : 101  
DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**

## **10.0 PLANNING CONTROL MAPS—THROUGHWAYS**



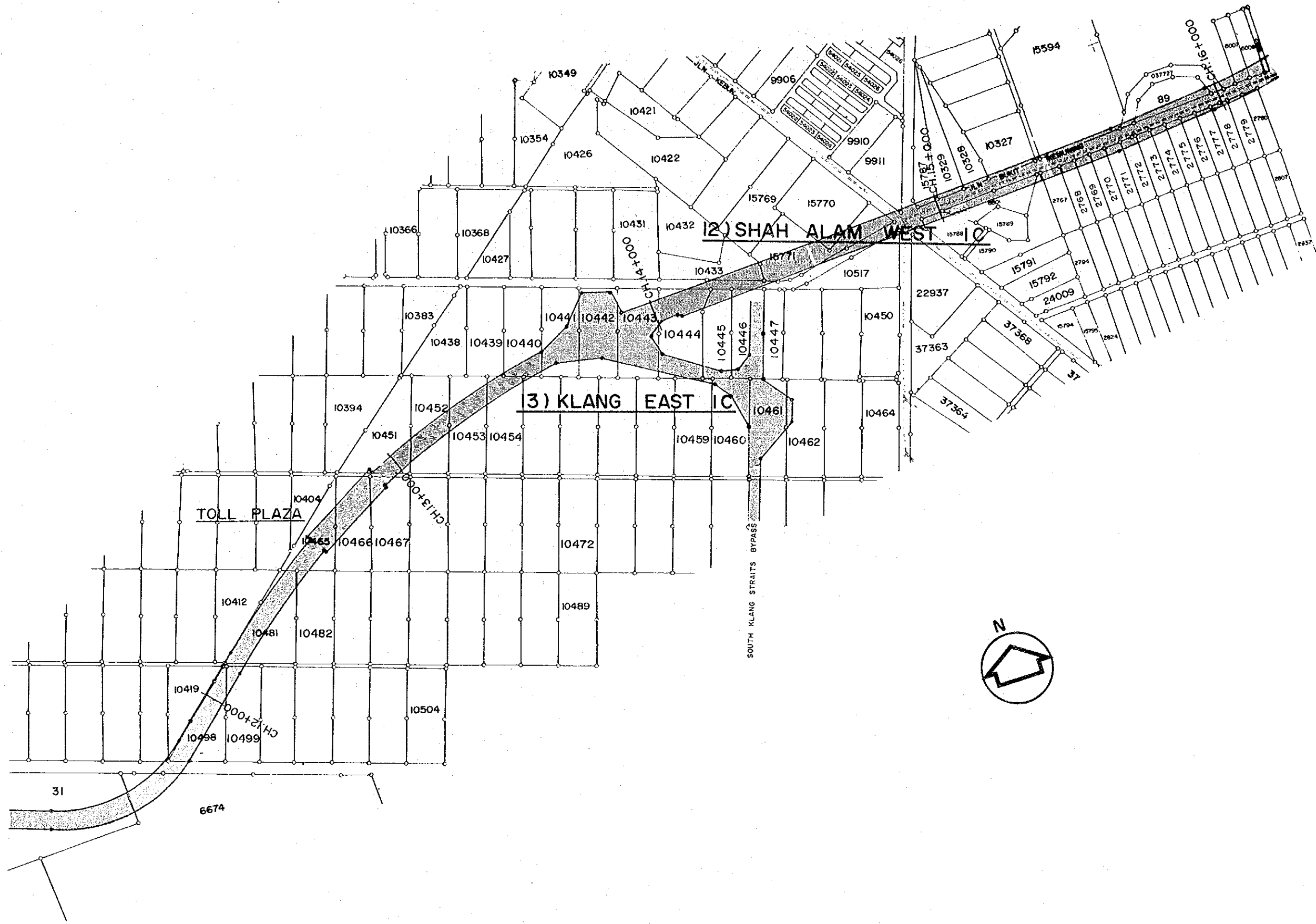


14) LANGAT IC

46

<p><b>HIGHWAY PROJECT</b></p> <p>SHAH ALAM HIGHWAY: RIGHT-OF-WAY (2)</p>	<p>SCALE : 250 0 250 500 metres</p>	<p><b>THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY</b></p> <p><b>JAPAN INTERNATIONAL COOPERATION AGENCY</b></p>
	<p>DRAWING NO : 103</p>	





**HIGHWAY PROJECT**

SHAH ALAM HIGHWAY: RIGHT-OF-WAY (3)

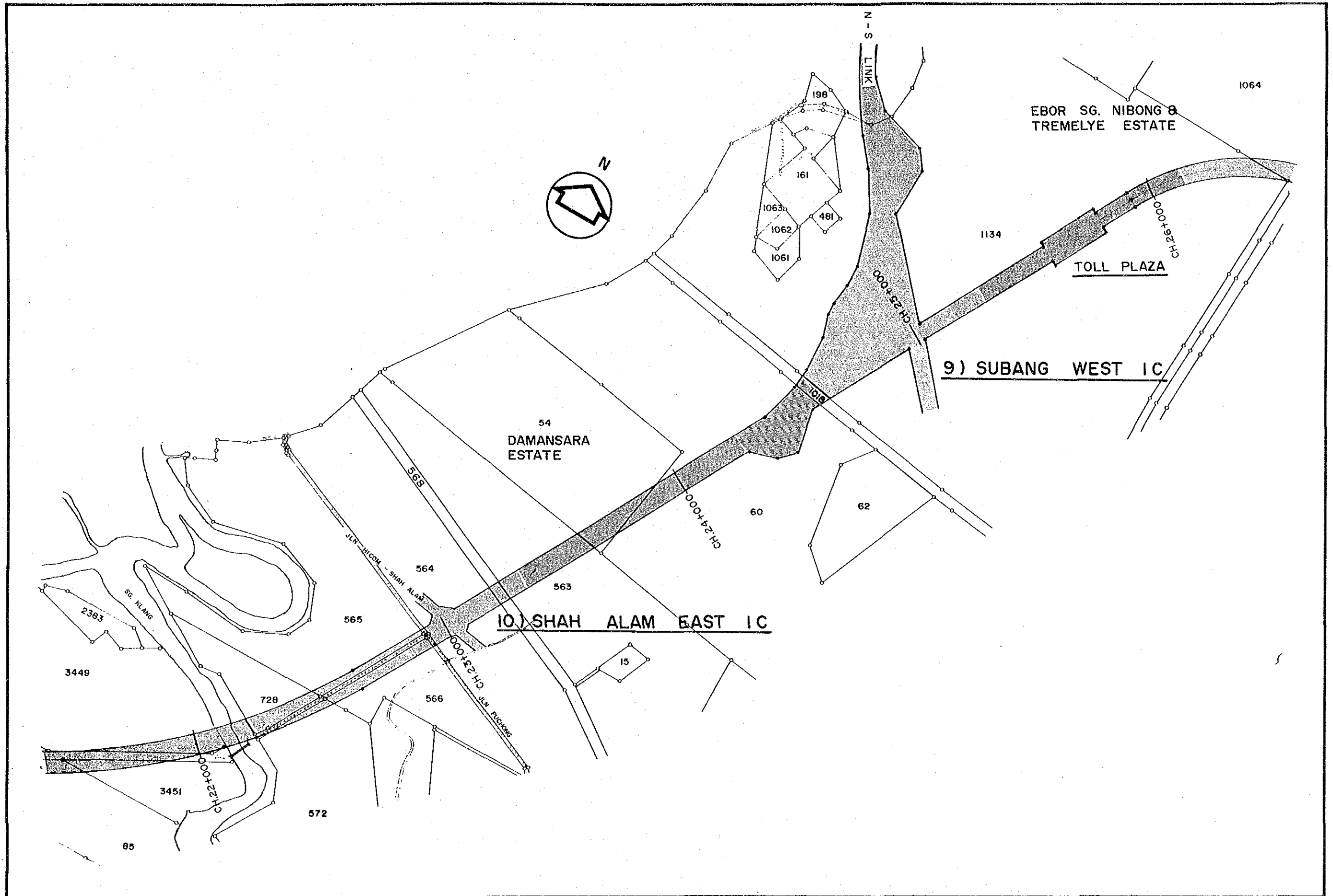
SCALE : 250 0 250 500 metres

DRAWING NO : 104 DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

**JAPAN INTERNATIONAL COOPERATION AGENCY**





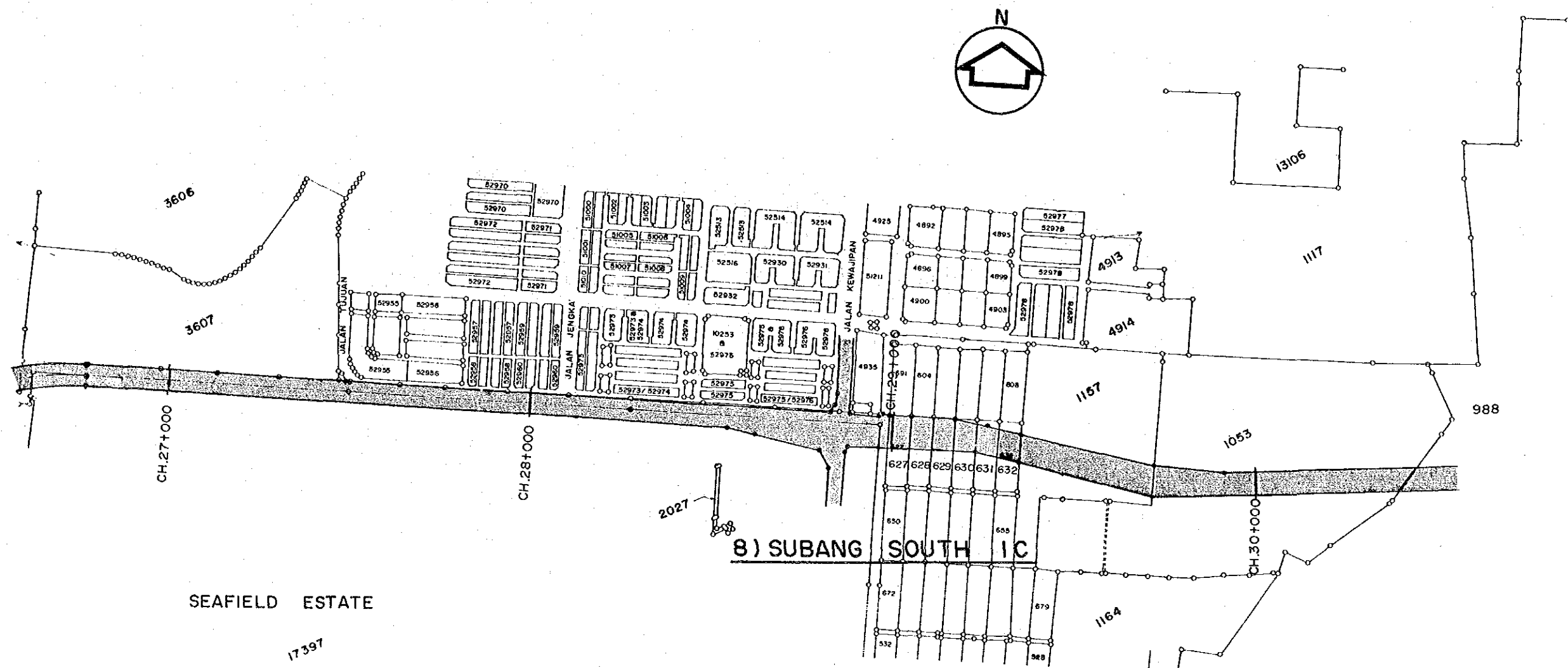
**HIGHWAY PROJECT**

SHAH ALAM HIGHWAY: RIGHT-OF-WAY (5)

SCALE : 250 0 250 500 metres

DRAWING NO : 106 DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**



**HIGHWAY PROJECT**

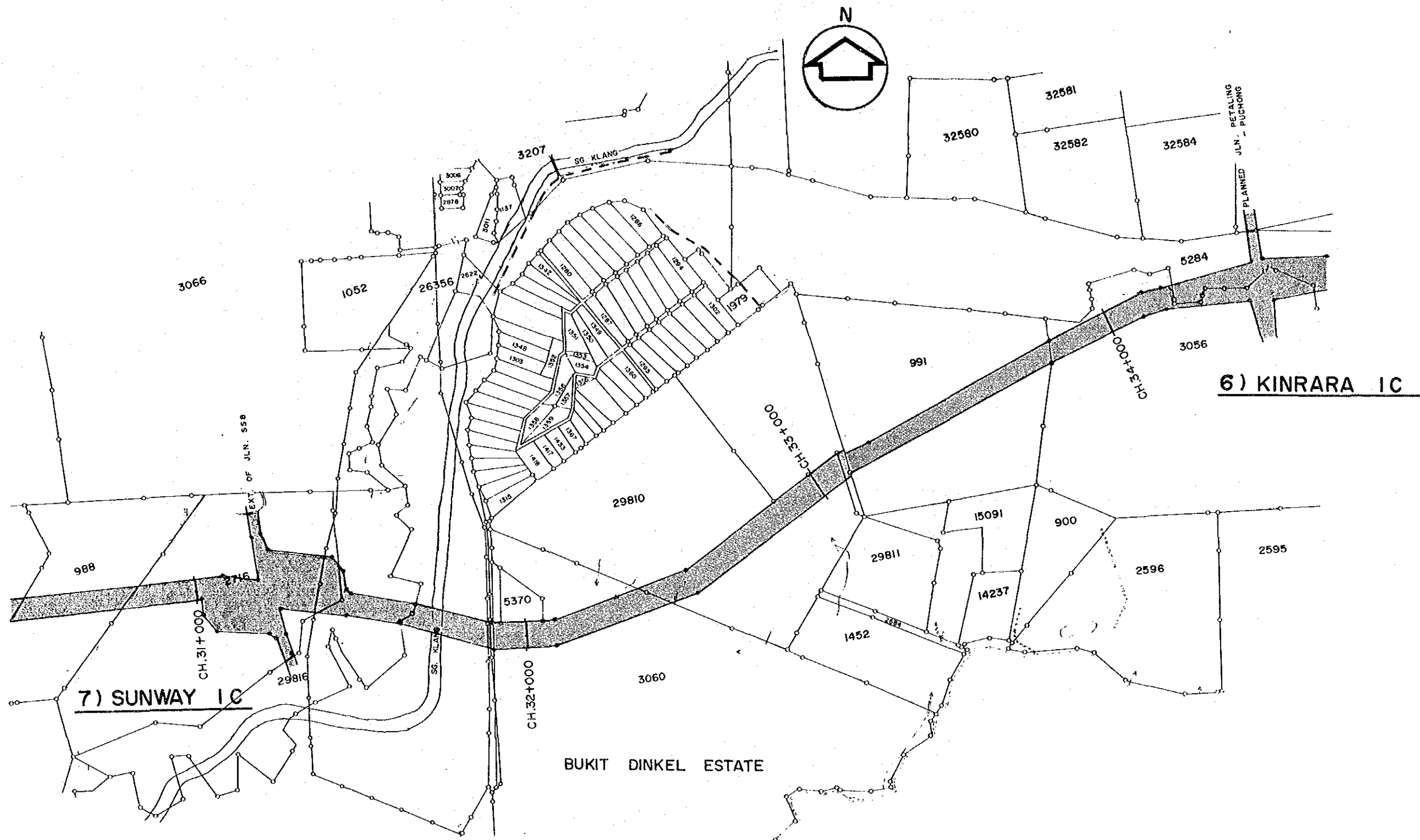
SHAH ALAM HIGHWAY: RIGHT-OF-WAY (6)

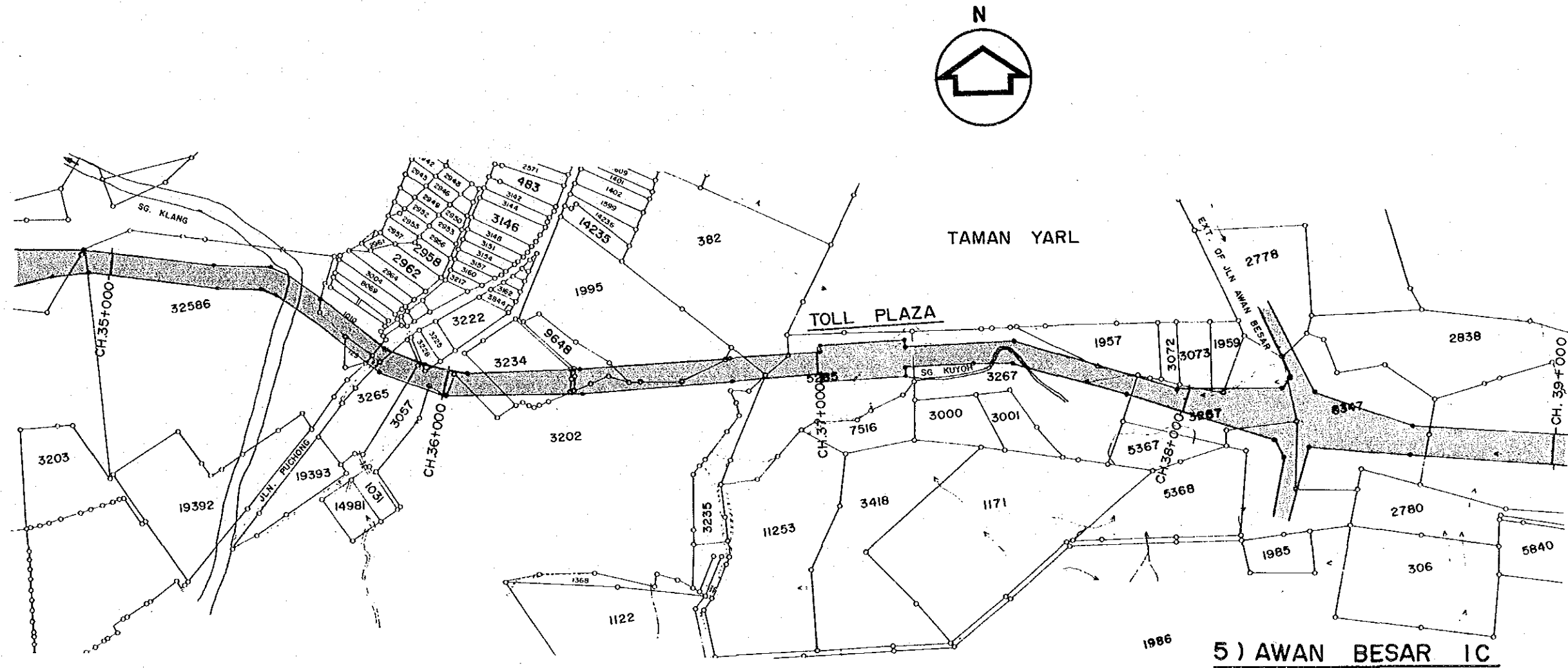
SCALE : 250 0 250 500 metres

DRAWING NO : 107 DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

**JAPAN INTERNATIONAL COOPERATION AGENCY**





**HIGHWAY PROJECT**

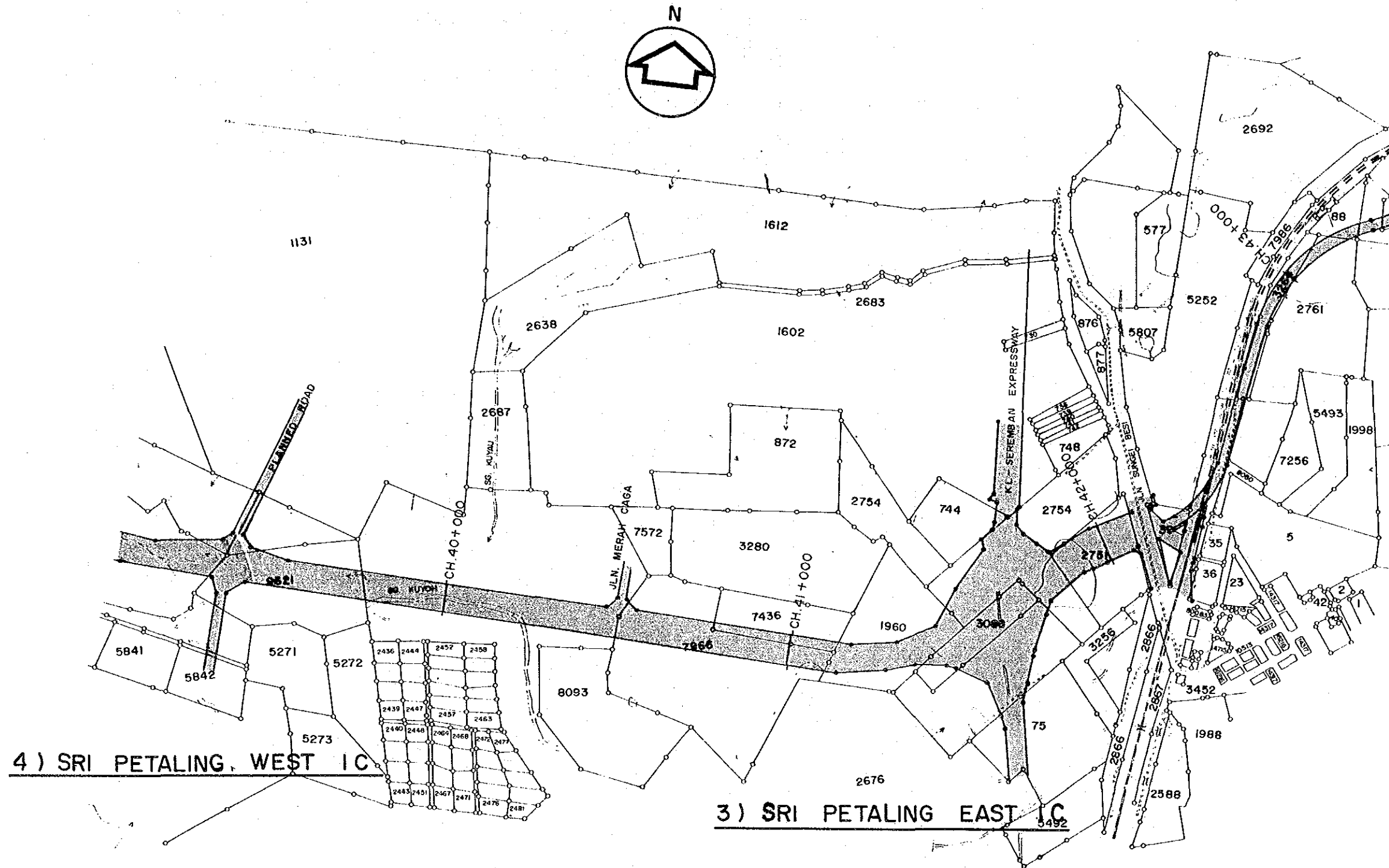
SOUTHERN PART OF MIDDLE RING ROAD II: RIGHT-OF-WAY (2)

SCALE : 250 0 250 500 metres

DRAWING NO : 109 DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

**JAPAN INTERNATIONAL COOPERATION AGENCY**



**HIGHWAY PROJECT**

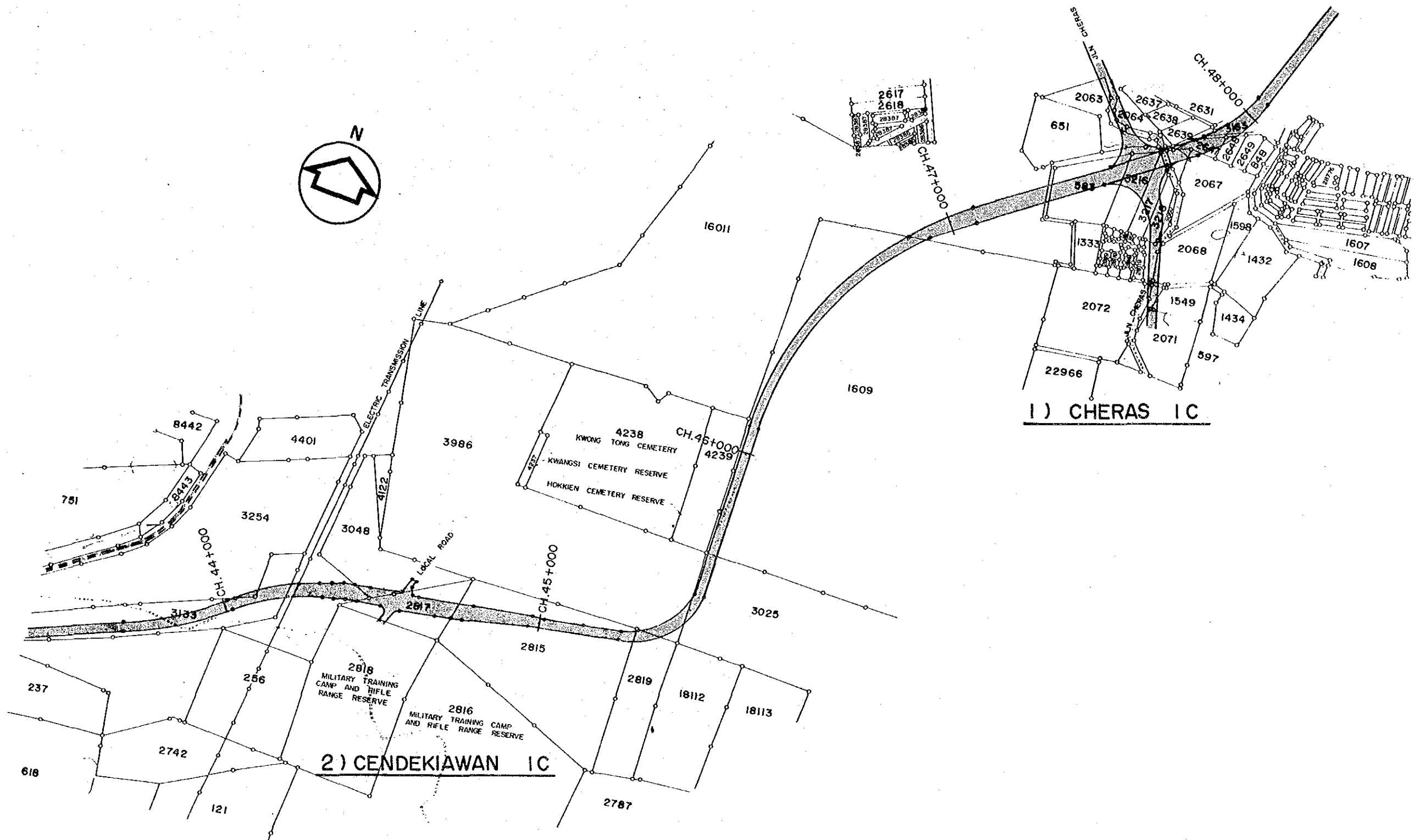
SOUTHERN PART OF MIDDLE RING ROAD II: RIGHT-OF-WAY (3)

SCALE : 0 250 500 metres

DRAWING NO : 110 DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

**JAPAN INTERNATIONAL COOPERATION AGENCY**



1) CHERAS IC

2) CENDEKIAWAN IC

**HIGHWAY PROJECT**

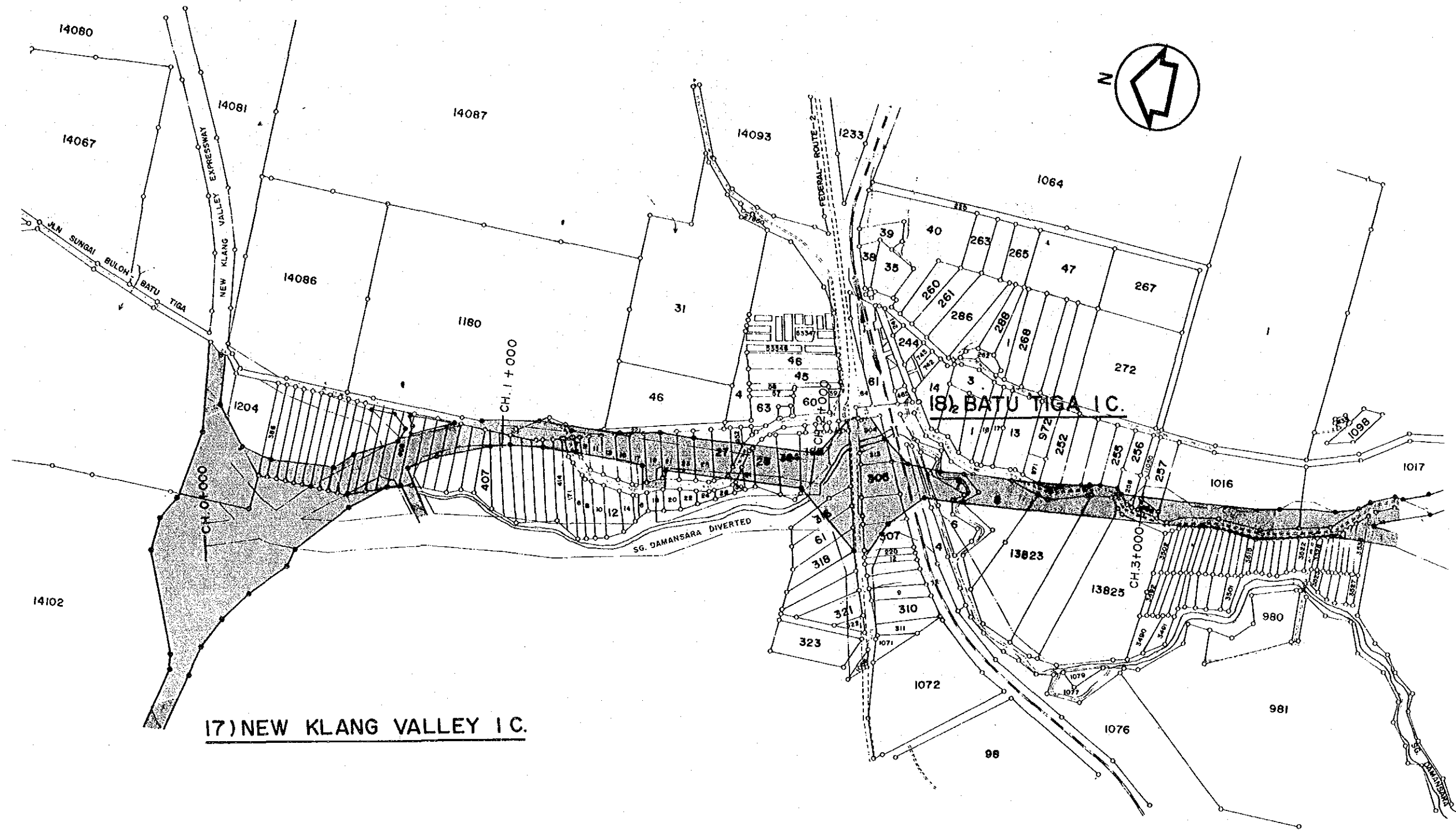
SOUTHERN PART OF MIDDLE RING ROAD II: RIGHT-OF-WAY (4)



SCALE : 250 0 250 500 metres  
 DRAWING NO : 111      DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**





17) NEW KLANG VALLEY I.C.

18 1/2 BATU TIGA I.C.

**HIGHWAY PROJECT**

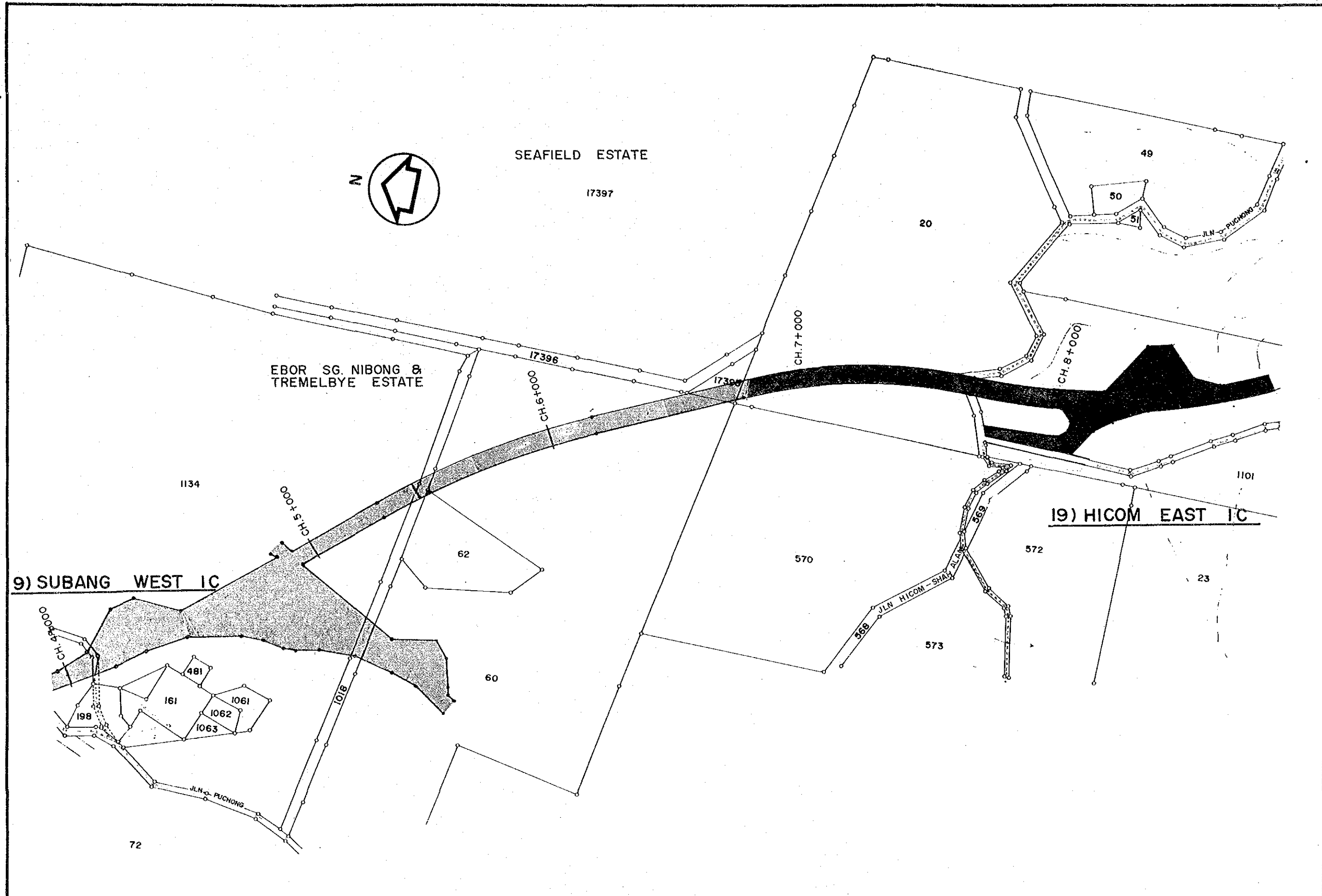
NORTH-SOUTH EXPRESSWAY LINK: RIGHT-OF-WAY (I)



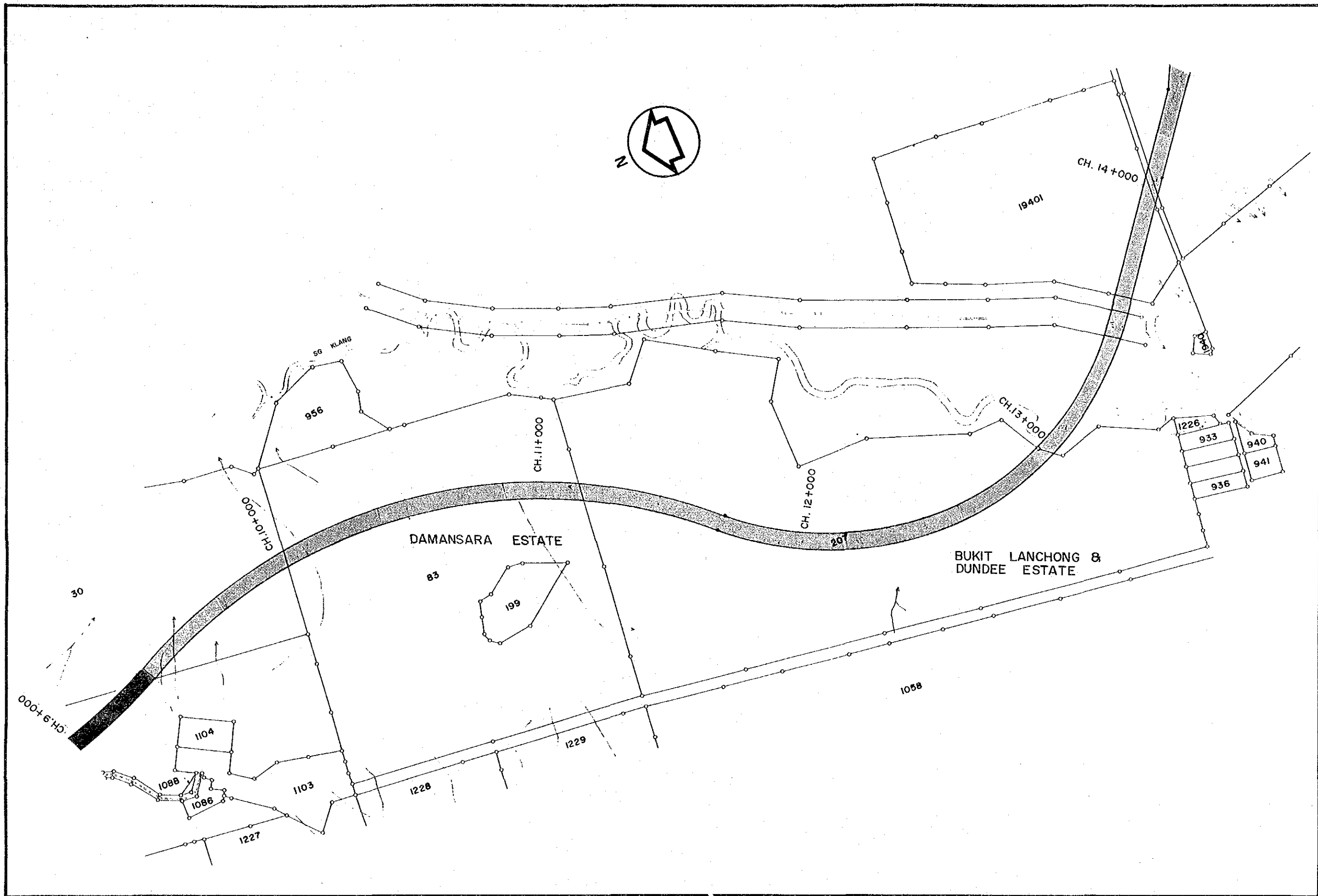
SCALE : 250 0 250 500 metres  
 DRAWING NO : 112      DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

**JAPAN INTERNATIONAL COOPERATION AGENCY**



<b>HIGHWAY PROJECT</b> NORTH-SOUTH EXPRESSWAY LINK: RIGHT-OF-WAY (2)	SCALE : 250 0 250 500 metres	<b>THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY</b> <b>JAPAN INTERNATIONAL COOPERATION AGENCY</b>
	DRAWING NO : 113	



**HIGHWAY PROJECT**

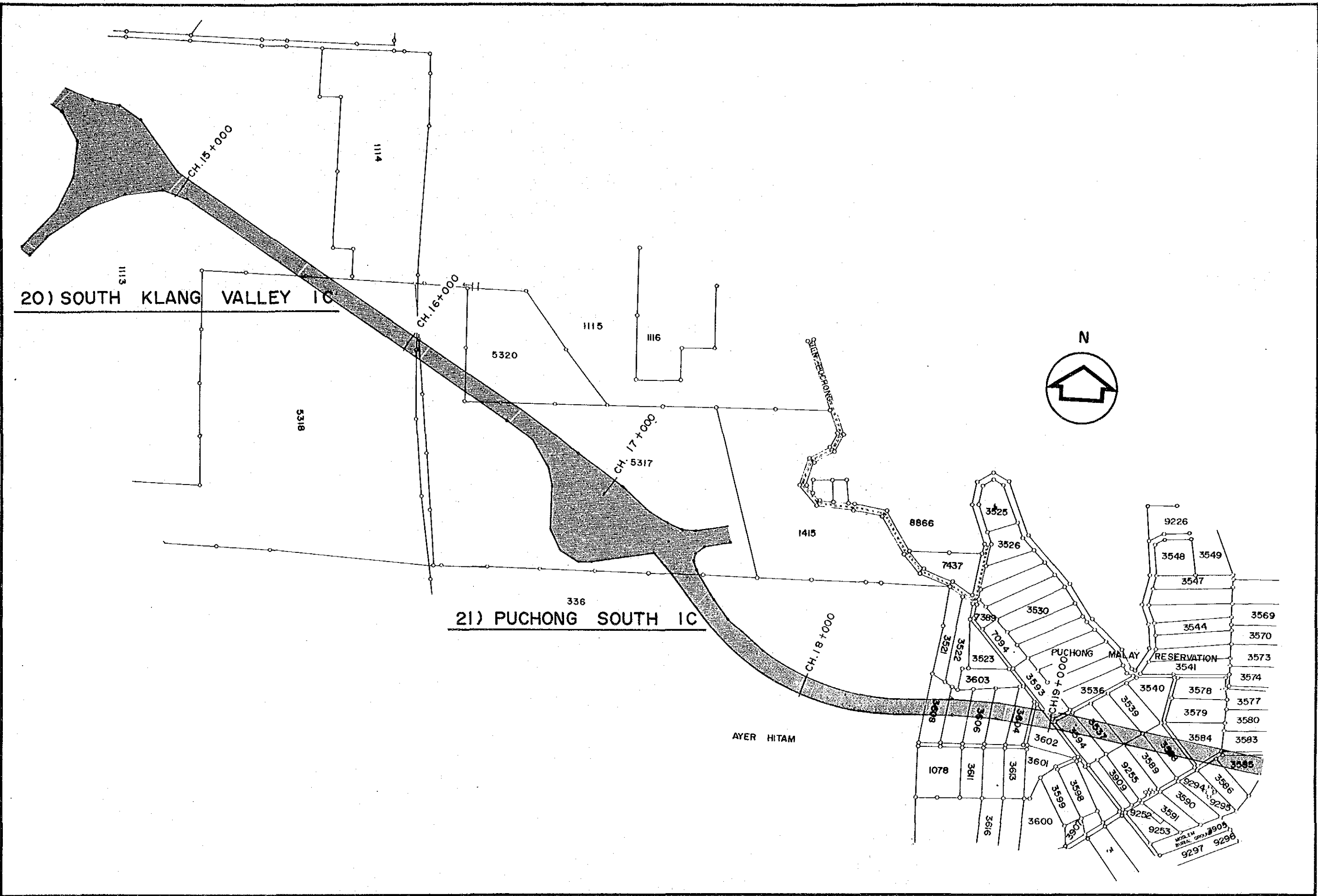
NORTH-SOUTH EXPRESSWAY LINK: RIGHT-OF-WAY (3)

SCALE : 250 0 250 500 metres

DRAWING NO : 114 DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

**JAPAN INTERNATIONAL COOPERATION AGENCY**



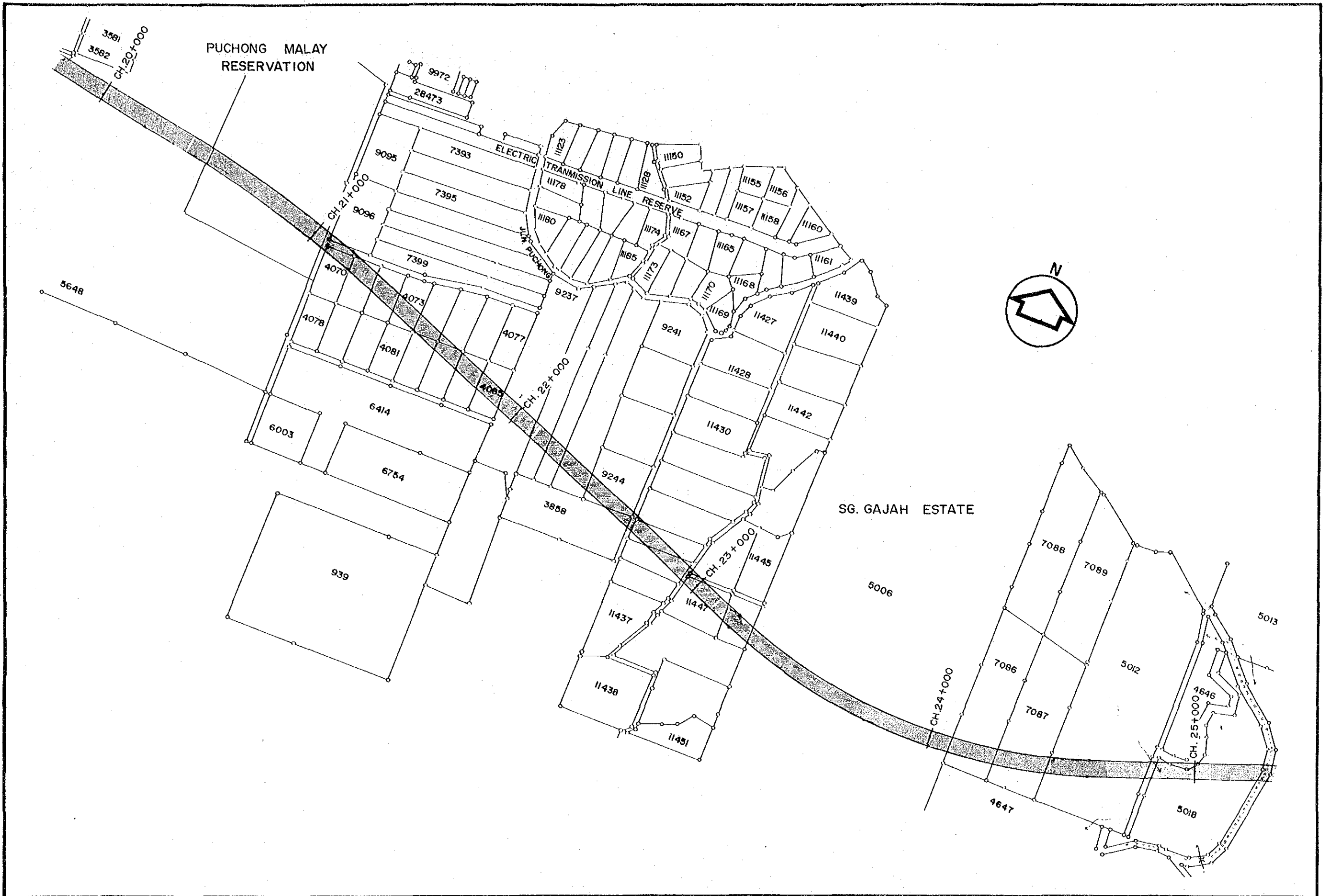
**HIGHWAY PROJECT**

NORTH-SOUTH EXPRESSWAY LINK: RIGHT-OF-WAY (4)

SCALE : 250 0 250 500 metres

DRAWING NO : 115 DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**



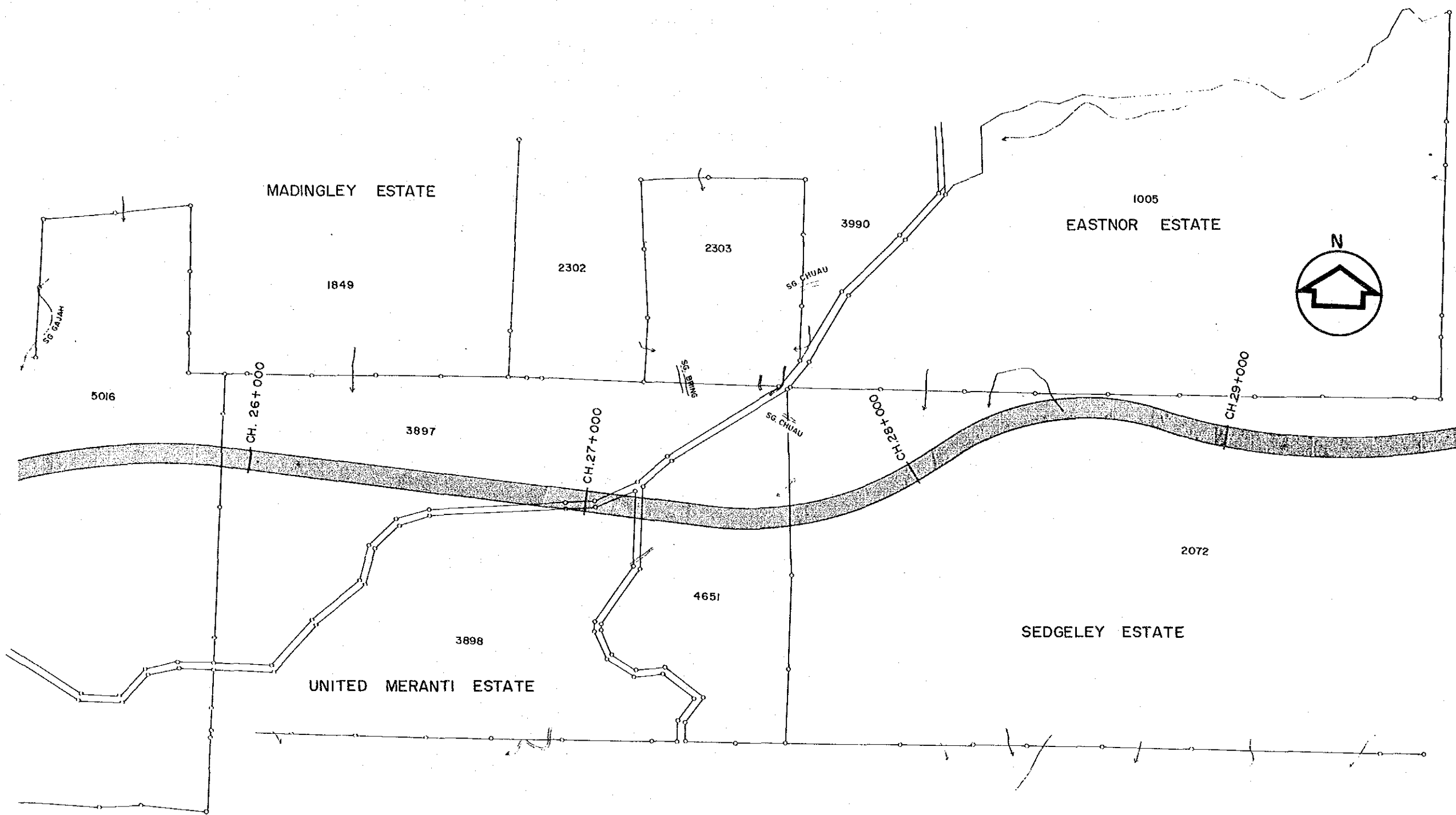
**HIGHWAY PROJECT**

NORTH-SOUTH EXPRESSWAY LINK: RIGHT-OF-WAY (5)

SCALE : 250 0 250 500 metres

DRAWING NO : 116 DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**



**HIGHWAY PROJECT**

NORTH-SOUTH EXPRESSWAY LINK: RIGHT-OF-WAY (6)

SCALE : 250 0 250 500 metres

DRAWING NO : 117

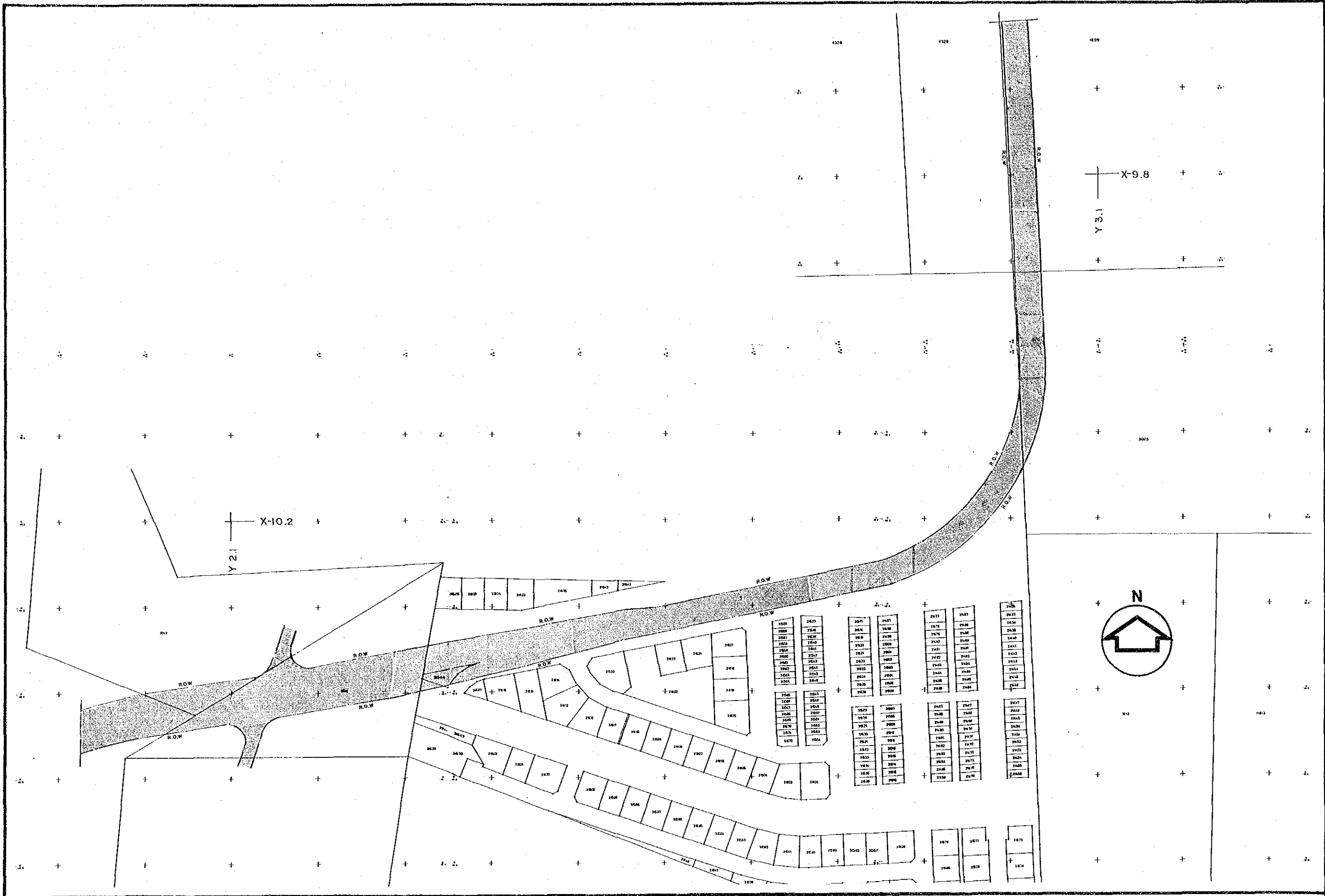
DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**



## **11.0 PLANNING CONTROL MAPS—INTERCHANGES**





**HIGHWAY PROJECT**

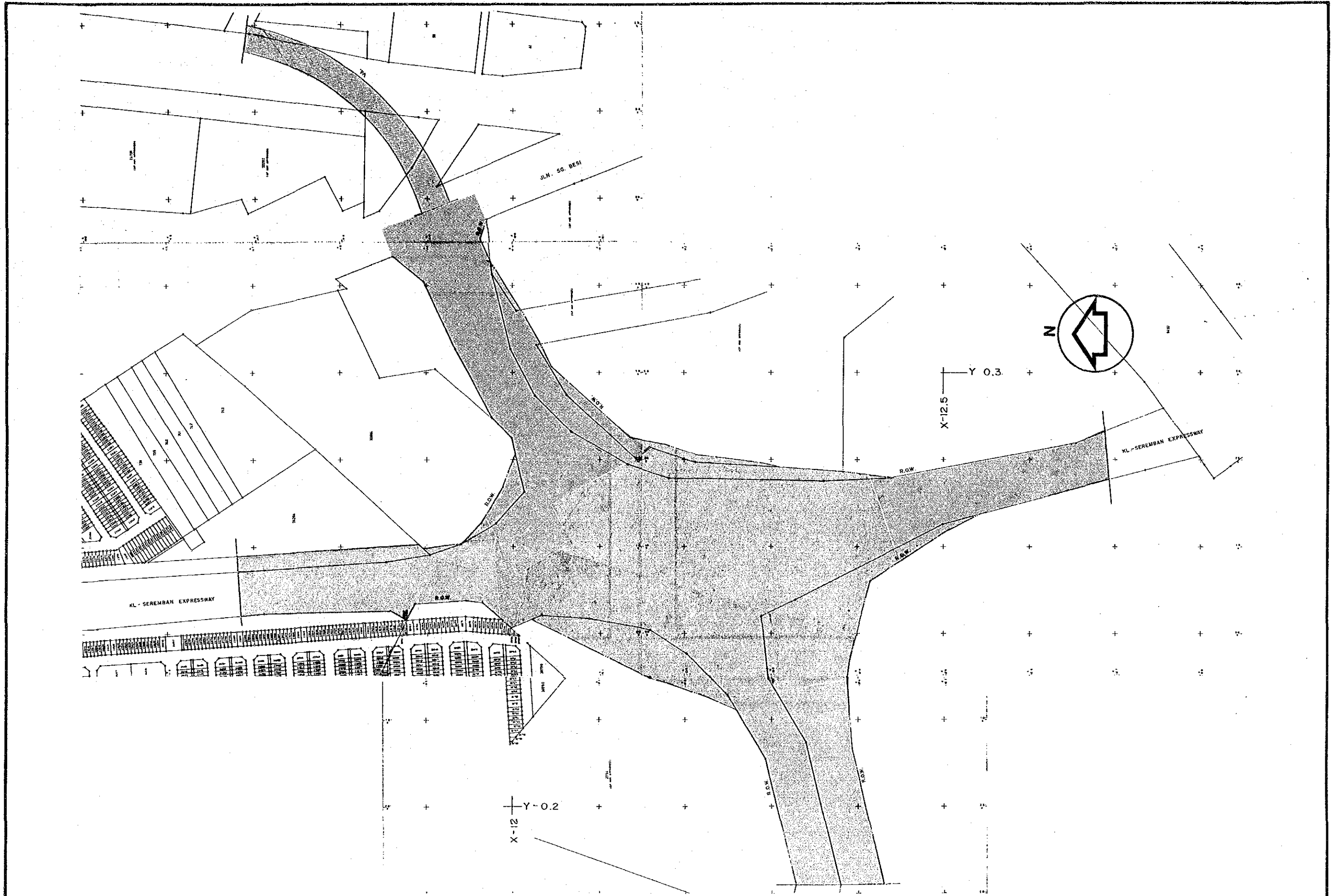
IC NO.2 : CENDEKIAWAN IC RIGHT-OF-WAY


SCALE : 0 50 100 metres

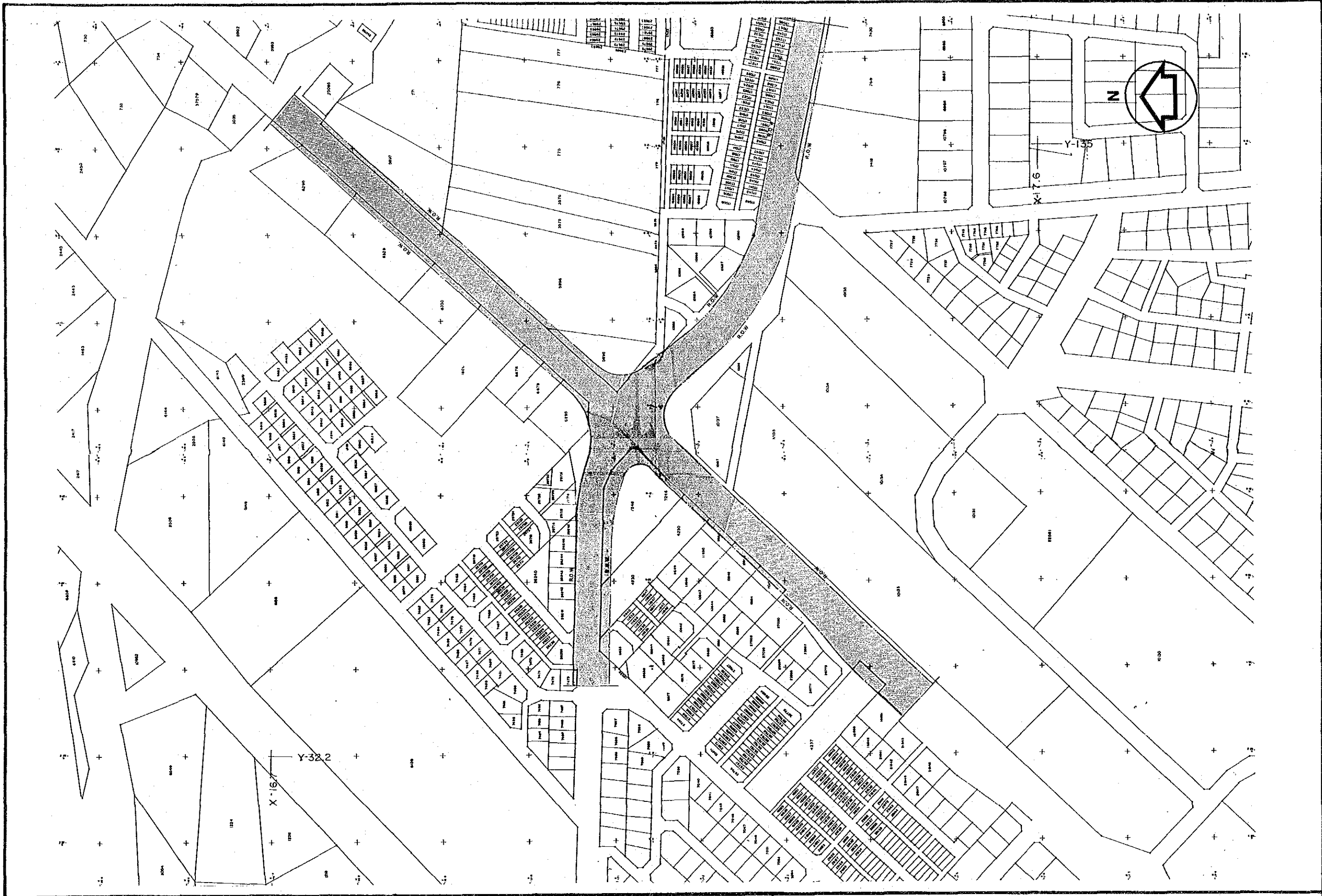
DRAWING NO : 119      DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**

**JAPAN INTERNATIONAL COOPERATION AGENCY**



<b>HIGHWAY PROJECT</b>	SCALE : 		<b>THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY</b>
	DRAWING NO : 120	DATE :	
IC NO.3 : SRI PETALING EAST IC RIGHT-OF-WAY			



**HIGHWAY PROJECT**

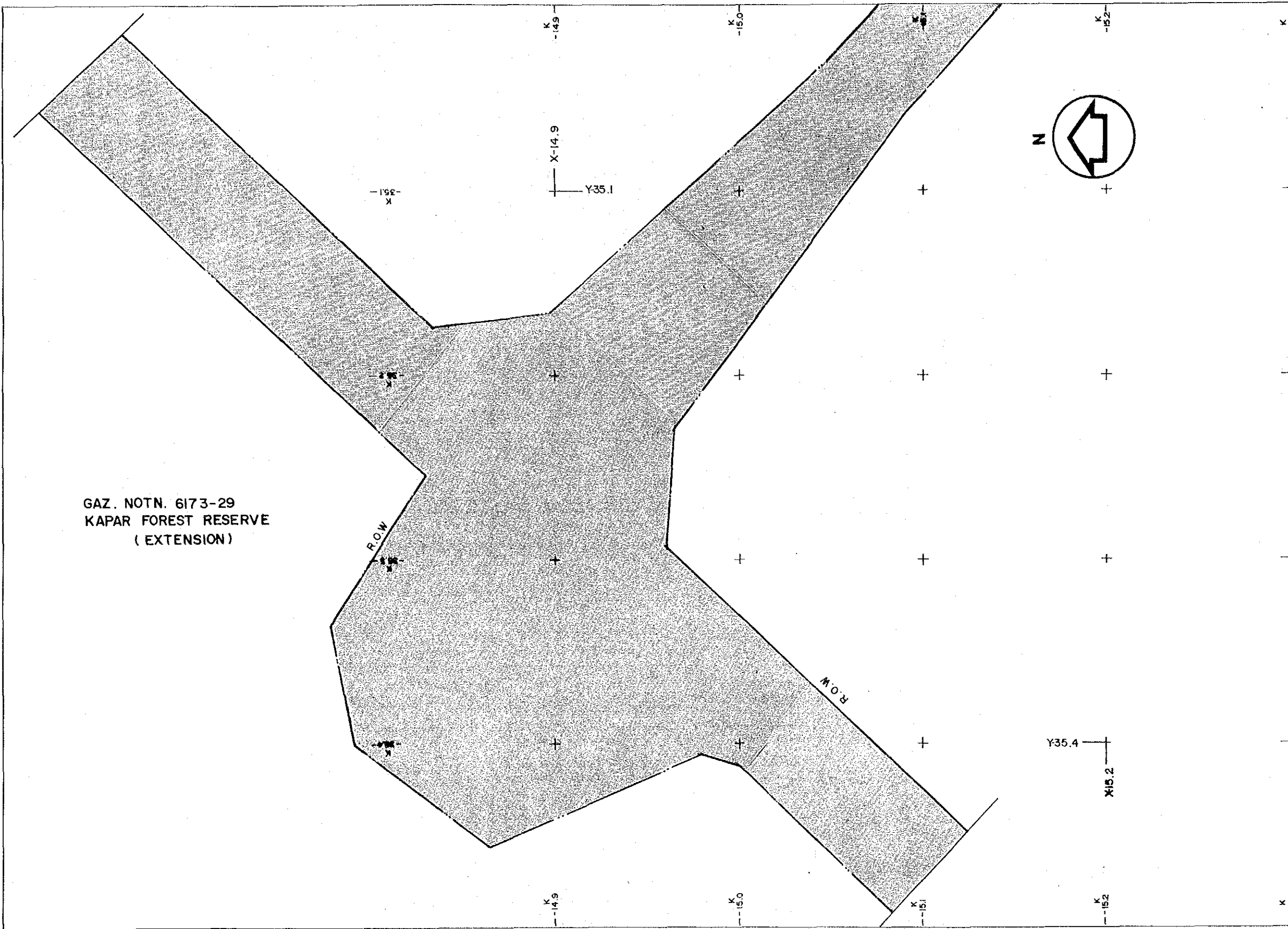
IC NO.15: KIM CHUAN IC RIGHT-OF-WAY

SCALE : 100 meters

DRAWING NO : 121

DATE :

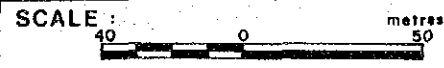
**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**



GAZ. NOTN. 6173-29  
KAPAR FOREST RESERVE  
(EXTENSION)

R.O.W.

R.O.W.

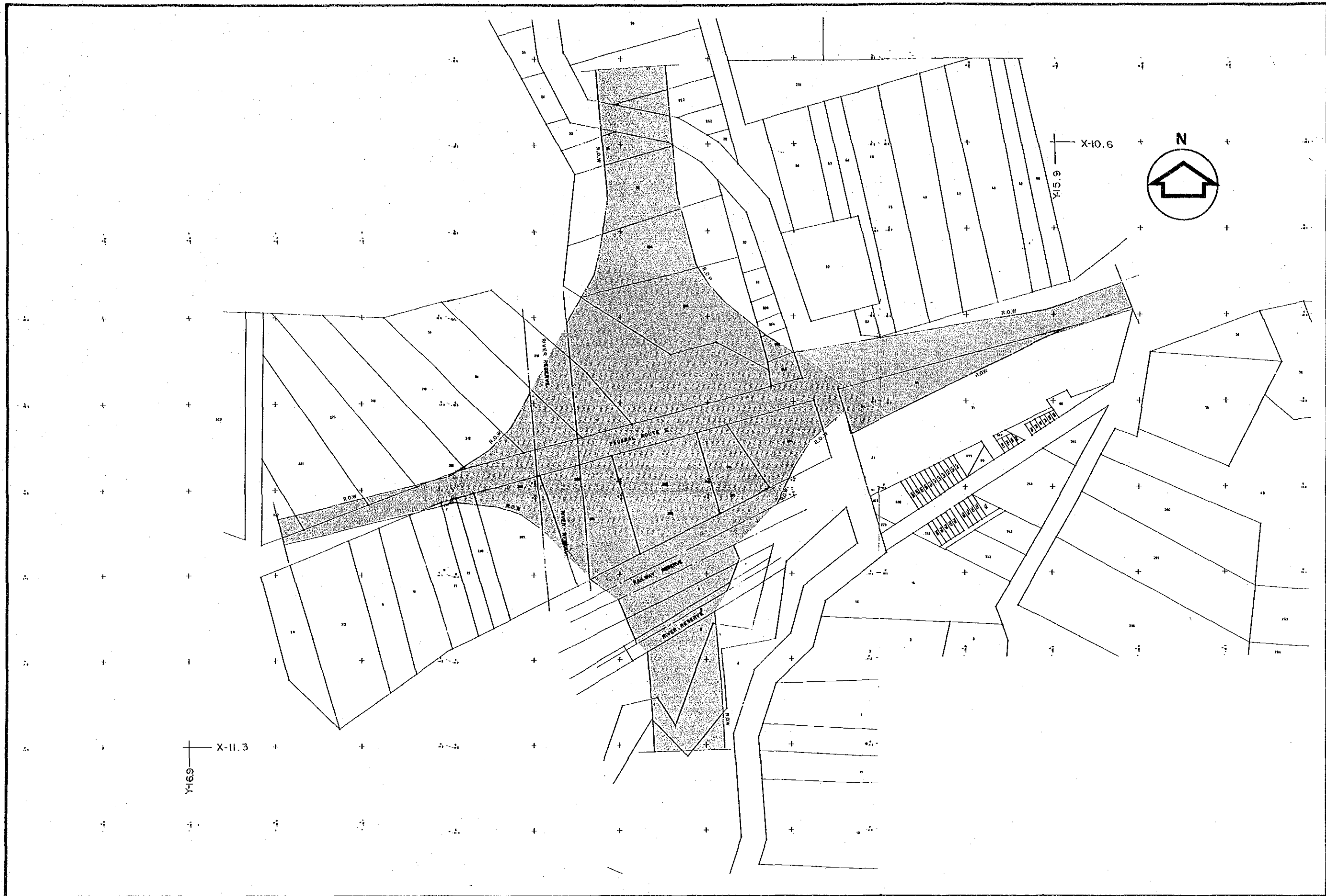


DRAWING NO : 122      DATE :

**HIGHWAY PROJECT**

IC NO.16: KLANG WEST IC RIGHT-OF-WAY

**THE FEASIBILITY STUDY ON TRANSPORTATION  
FACILITIES PROJECTS IN KLANG VALLEY  
JAPAN INTERNATIONAL COOPERATION AGENCY**



**HIGHWAY PROJECT**

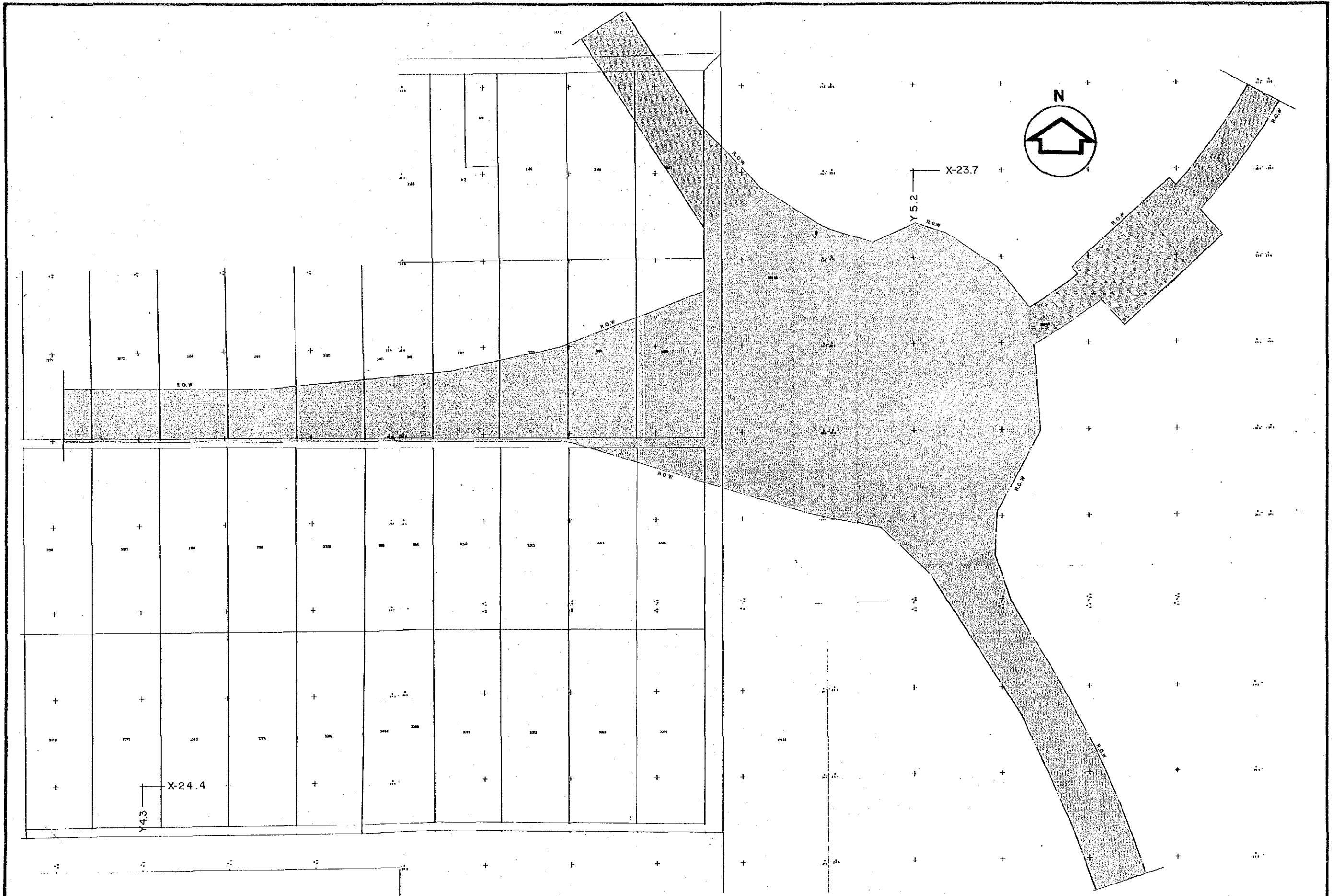
IC NO.18: BATU TIGA IC RIGHT-OF-WAY

SCALE : metres

DRAWING NO : 123      DATE :

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**HIGHWAY PROJECT**

IC NO.22: BANGI WEST IC RIGHT-OF-WAY

SCALE : 

DRAWING NO : 124      DATE :

**THE FEASIBILITY STUDY ON TRANSPORTATION FACILITIES PROJECTS IN KLANG VALLEY**  
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JICA