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# Surabaya-Mojokerto Toll Road Project

JAPAN INTERNATIONAL COOPERATION AGENCY

No.	:	62

### **REPUBLIC OF INDONESIA** DIRECTORATE GENERAL OF HIGHWAYS MINISTRY OF PUBLIC WORKS

Feasibility Study ON

### **FINAL REPORT VOLUME II : DRAWINGS**

**OCTOBER 1991** 



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# Feasibility Study on Surabaya-Mojokerto Toll Road Project

### **JAPAN INTERNATIONAL COOPERATION AGENCY**

**REPUBLIC OF INDONESIA** DIRECTORATE GENERAL OF HIGHWAYS **MINISTRY OF PUBLIC WORKS** 

## **FINAL REPORT VOLUME II : DRAWINGS**

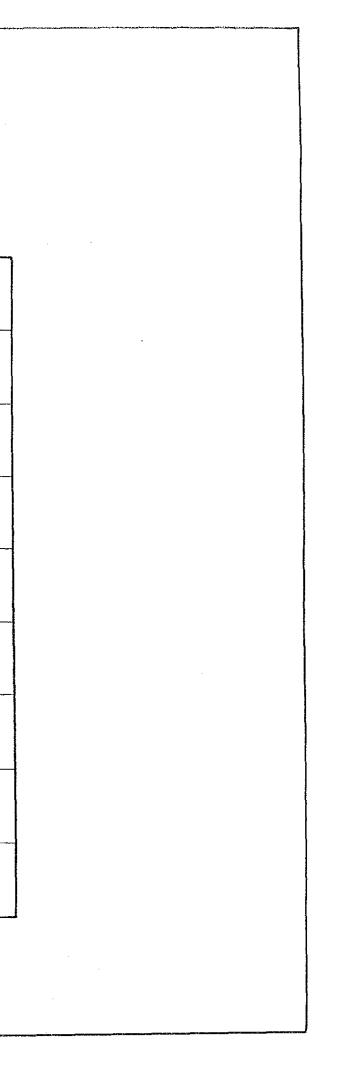
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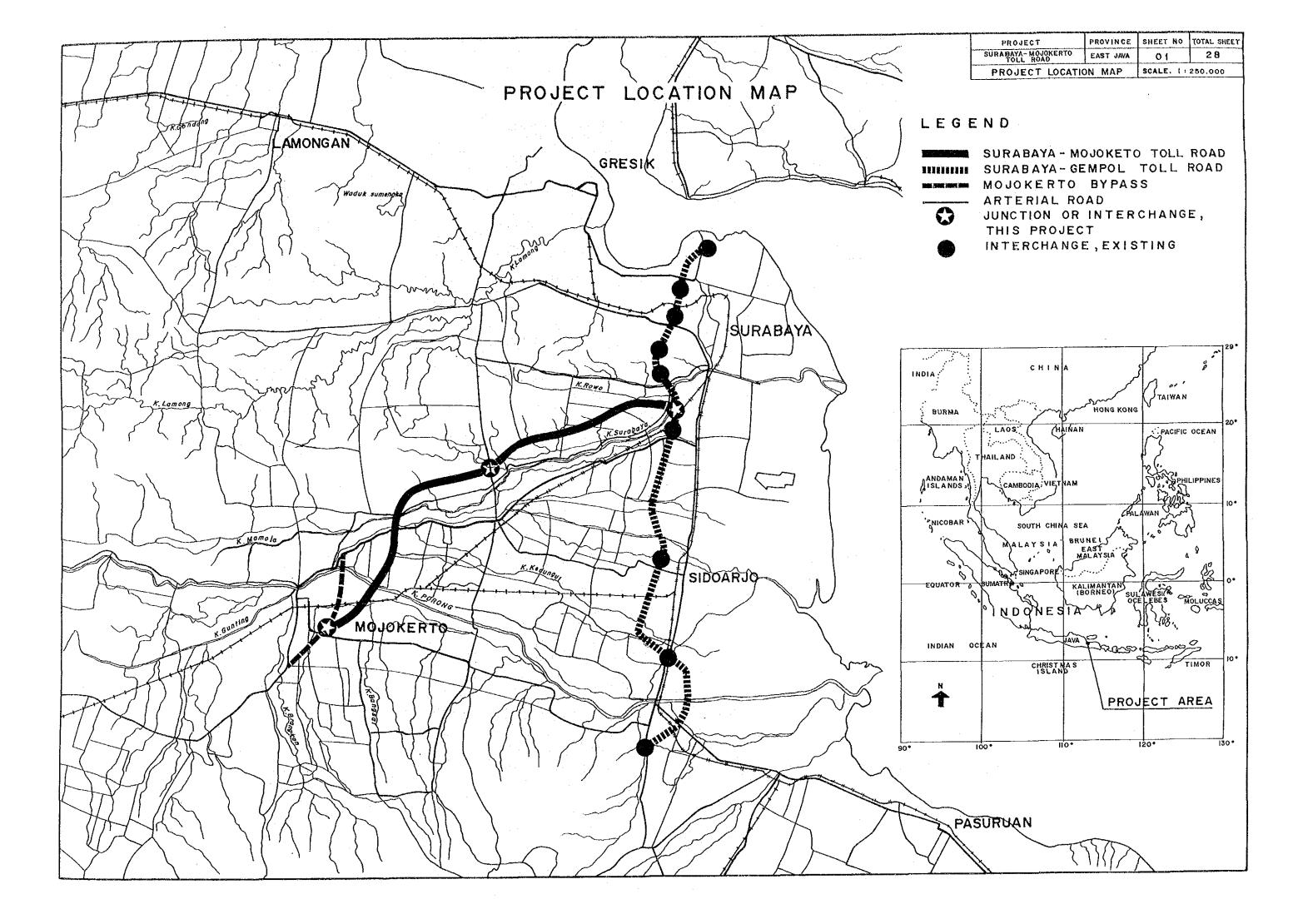
OCTOBER 1991

国際協力事業団 23055

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OVERPASS BRIDGE CROSS SECTIONS	27
OVERPASS BRIDGE	28





		LEGEND			
≙	<u>Titik Doppier</u> Doppier point	Ā	Kantor Pemerintah Gavernment Office	<b></b>	Tugu Monument
$\odot$	Titlk GPS GPS Point	R	Hotel Hotel	$\odot$	Kuburan Islam Moslem graves
Ū	<u>Pilar tinggi TTG</u> Bench mark TTG	gi an aige an	Jalan Utama Main surfaced	†	Kuburan Kristen Cristian cementeris
•	Patok tinggi Minor order levelling		Jalan Road	Δ.	<u>Kuburan Cina</u> Chinese graves
•	Titik tinggi Spot elevation		Jalan sedang dibuat Road under construction	Ш.	Sawah Rice fleid
$\boxtimes$	Pliar tinggi Minor order BM		Jalan setapak Track	~ ~ ~ ~ ~	Pematang sawah Small dikes
<b>C</b>	Rumah / Gedung House / Bullding		Jaiur pemisah Median strips	v	Ladang Farm / Cuitivated lan
Ē	Pabrik Factory		Jembatan besi beton Iron and concrete bridge	*	Kebun tebu Sugar cane
Թ	Gedung Umum Public Hall	<u> </u>	Jembatan kayu Wooden bridge	۴	Kebun kelapa / sawit Palm plantation
(Ps)	Kantor Polisi Police Station	<b>&gt;</b>	Jembatan bambu Foot bridge/bamboo bridge	2	Kebun karet Rubber plantation
ç. M	Mesjid Mosque	<b></b>	Jalan kereta api Raiirood		Kebun Jati Teak plantation
, the second sec	Gereja Church	en e	Jembatan keret apl Railroad bridge	o	Kebun kopi Coffee plantation
2 8	<u>Wihara</u> Temple	<u> </u>	Jalan dan Pohonan Road and free line	.:o	Kebun coklat Cacao plantation
÷	Rumah sakit Hospitai		Stasion Station	6	<u>Kebun buah-buahan</u> Orchard
(F3)	Pemadam kebakaran Fire Station	<del>:0:</del>	Jaringan listrik Electricity power lines	•••••	Batas tanaman Boundary of vegetat
<b>(</b>	Kantor Pos Post Office	Woter / oli	<u>Pìpa air / mìnyak</u> Water /oil pip <del>e</del>	Ľ	Pohon - Pohonan Trees
	<u>Sekolah</u> School	Water / oil	<u>Tangki air/minyak</u> Water/oil tank	0	Belukar Bush
(113)	Pasar Market	$\frac{\mathbf{T}\mathbf{T}\mathbf{T}}{\mathbf{L}\mathbf{L}\mathbf{L}} \frac{\mathbf{L}}{\mathbf{T}}$	Galian dan timbunan Cutting and embankment	\/	Padang rumput Grass
<sub>የ</sub> ት	Gardu IIstrik Transformen House		<u>Rawa – rawa</u> Swamp	a,	<u>Hutan</u> Fores
8	Bank Bank	/	<u>Pintu kereta api</u> Intersecting raliroad	$\wedge$	Tanah kering Dry land
<b>4</b>	Pompa bensin Gasoline station		<u>Pagar tembok / kawat</u> Wali hedge / Fence	Ĺ	<u>Rumpun bambu</u> Bamboo capse
$\bigcirc$	<u>Kantor telepon</u> Telephone Office	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>Gorong — gorong</u> Culvert	a b	Sungai (a),anak sungai River (a), rivuiet (b)

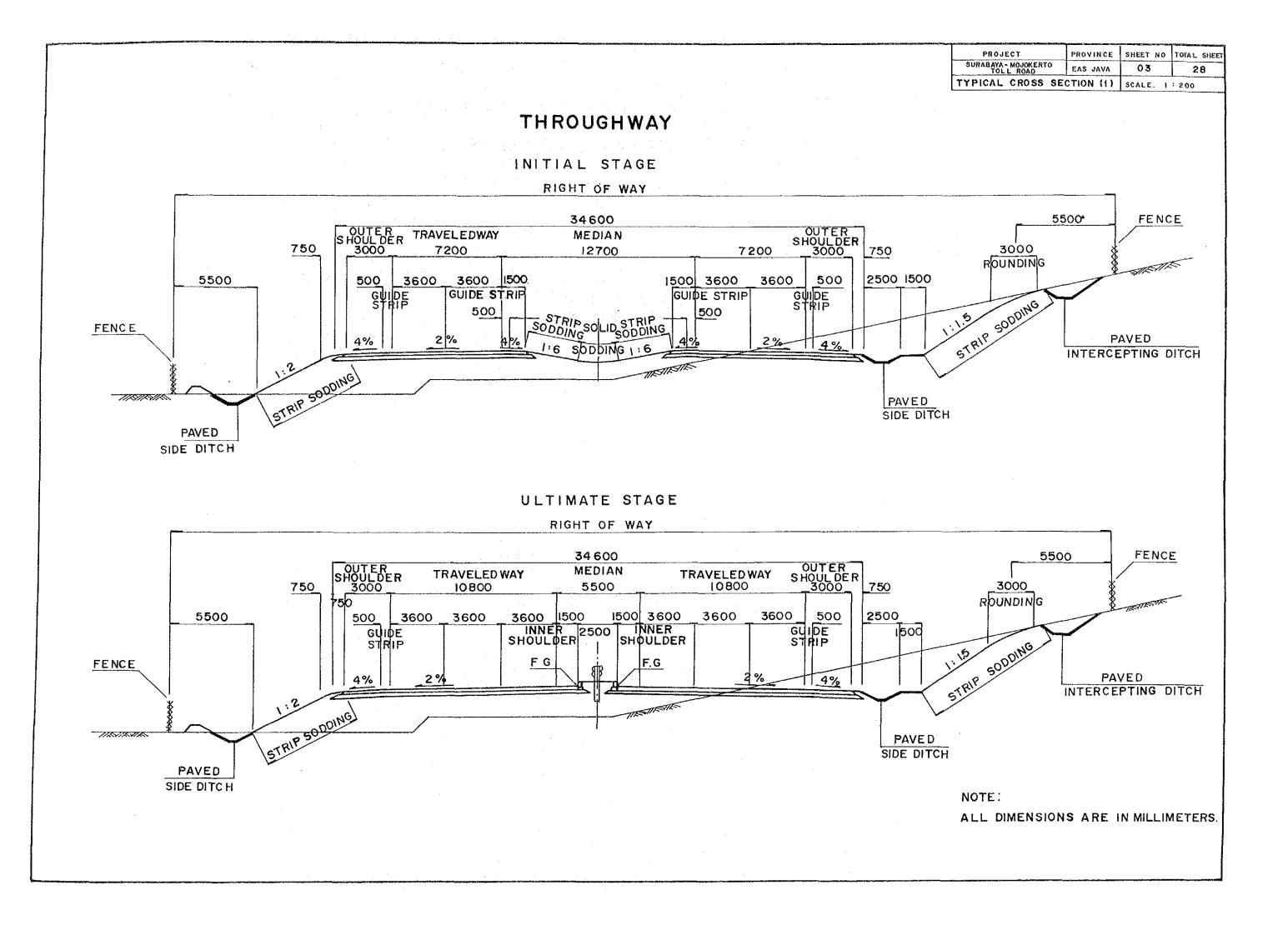
1

# LEGENDA

# sawah es tlvated land bu e ipa/sawit ntation et antation . ntation pl antation <u>klat</u> antation h-buahan of vegetation ohonan umput ring ambu ap**se**

<u>,anak sungai (b),arus (c)</u> , rivulet (b), direction (c)

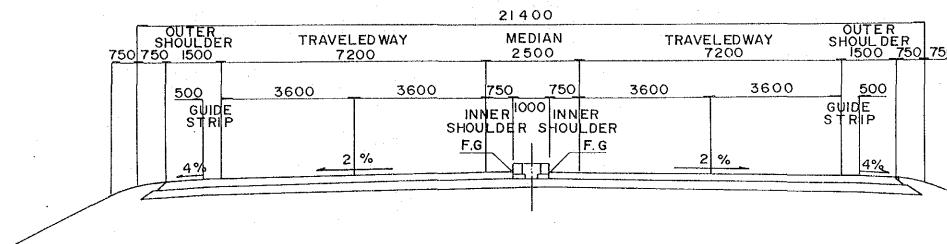
PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
SURABAYA - MOJOKERTO TOLL ROAD	EAST JAVA	02	28
LEGEN	DA / LEG	END	
1	aluran hannel		
	embok pen arge Revet		
	<u>intu air</u> Iuice		
	intu air/P atergate		
q b F S	Pasir (a), Garis pantai (b) Sand (a), Shore line (b)		
	<u>Tambak garam</u> Saltern		
(XC) ~	<u>Tambak ikan</u> Fish pond		
	<u>Kolam Danau</u> Pond lake		
TITO I	Tambang batu / pasir cekungan Quarry, depression		
	ukit batu locks		
	'anah longs recipice la	ior nd slide	
	<u>Garis tinggi</u> Contour		
	Batas propinsi Propince boundary		
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	latas Kabu Cabupatèn		
	Batas Keca (ecamatan		



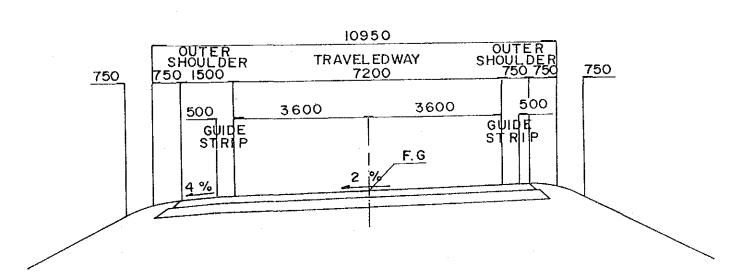
# MOJOKERTO INTERCHANGE RAMPWAY

### SURABAYA JUNCTION RAMPWAY

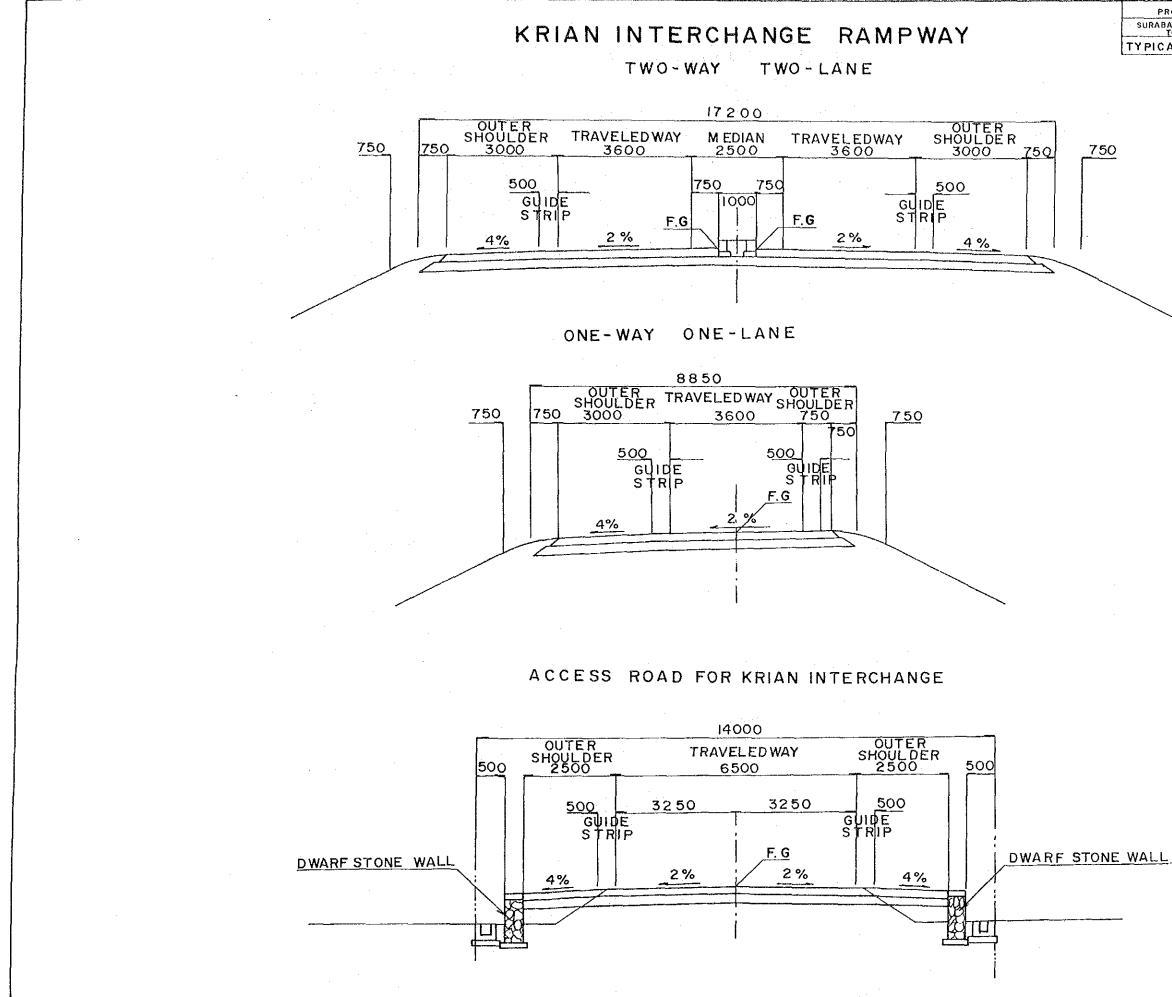
### TWO-WAY FOUR-LANE



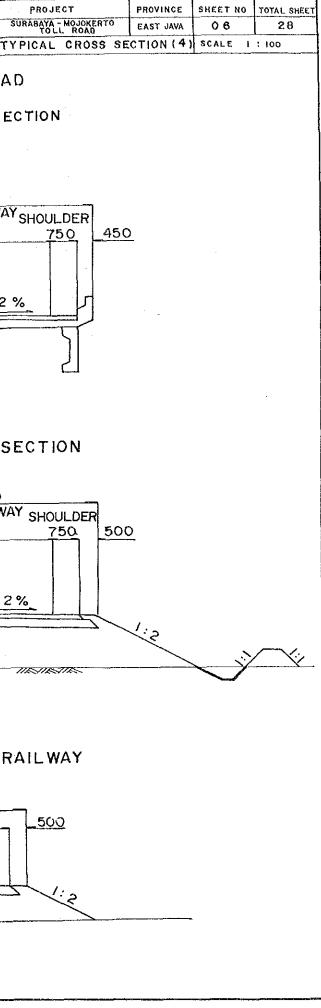
ONE-WAY TWO-LANE



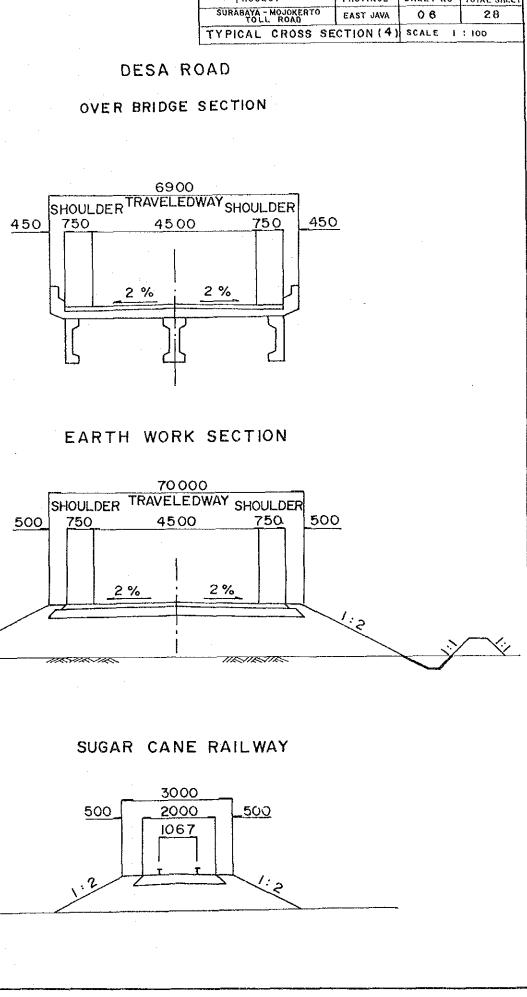
DRAIFAR	BBAN	INCO	04567 NA	TOTAL BUCCT
PROJECT JRABAYA - MOJOKERTO TOLL ROAD	PROV EAST	INCE JAVA	SHEET NO	TOTAL SHEET
TOLL ROAD	ſ			
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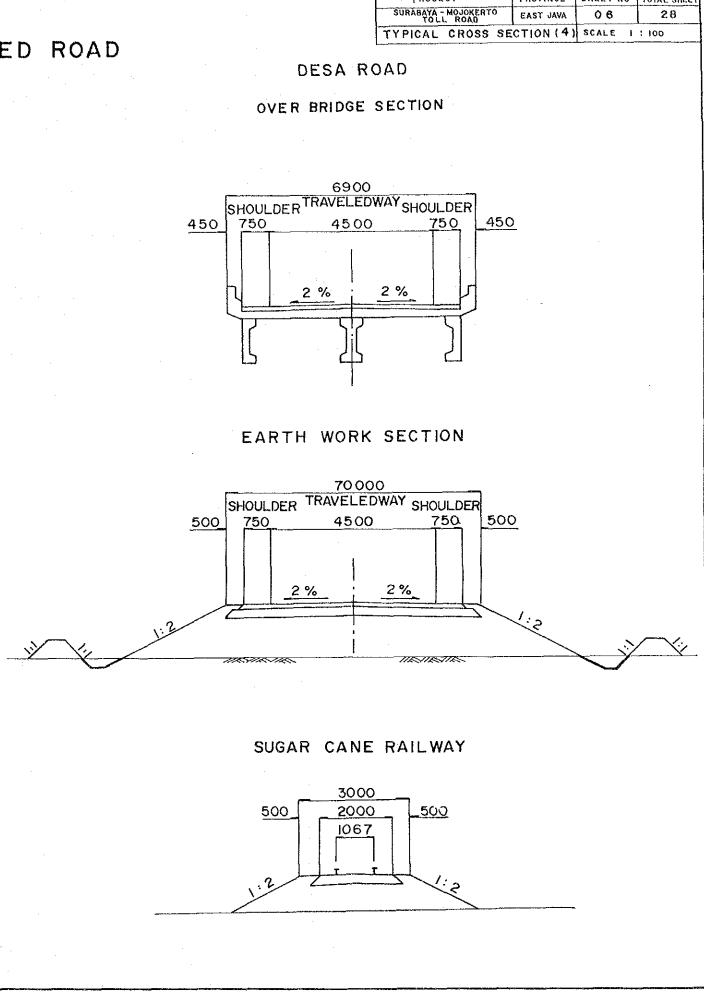


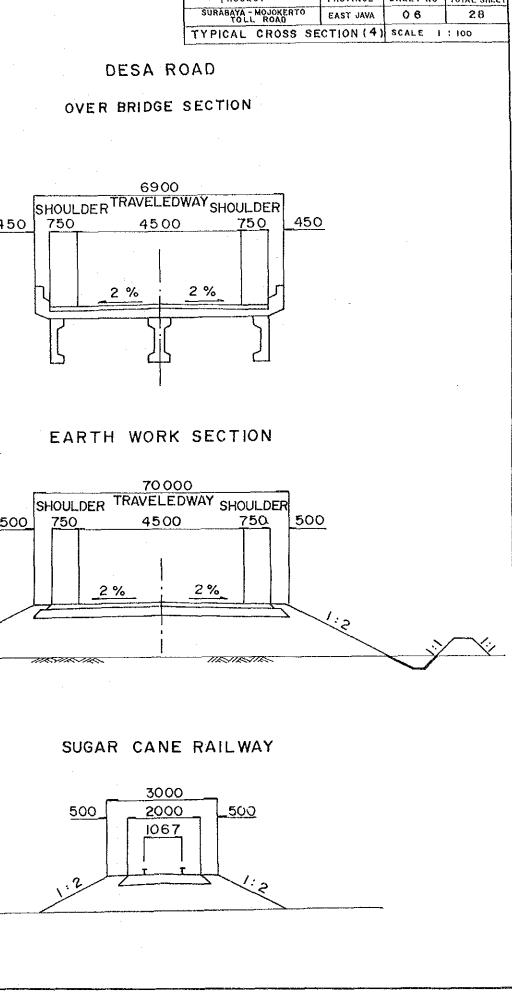
PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
IRABAYA-MOJOKERTO	EAST JAVA	05	28
PICAL CROSS SE	CTION (3)	SCALE I	÷ 100



## RELOCATED ROAD

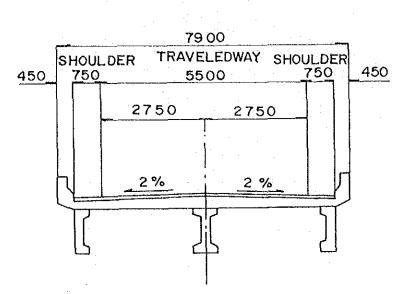




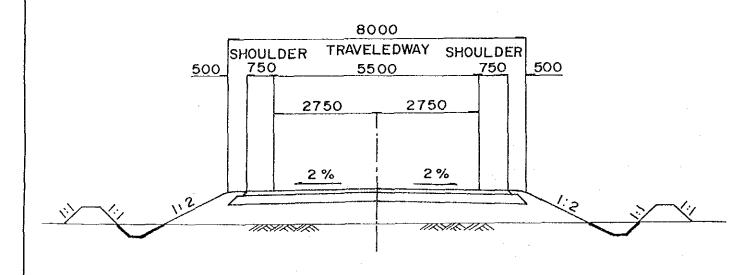


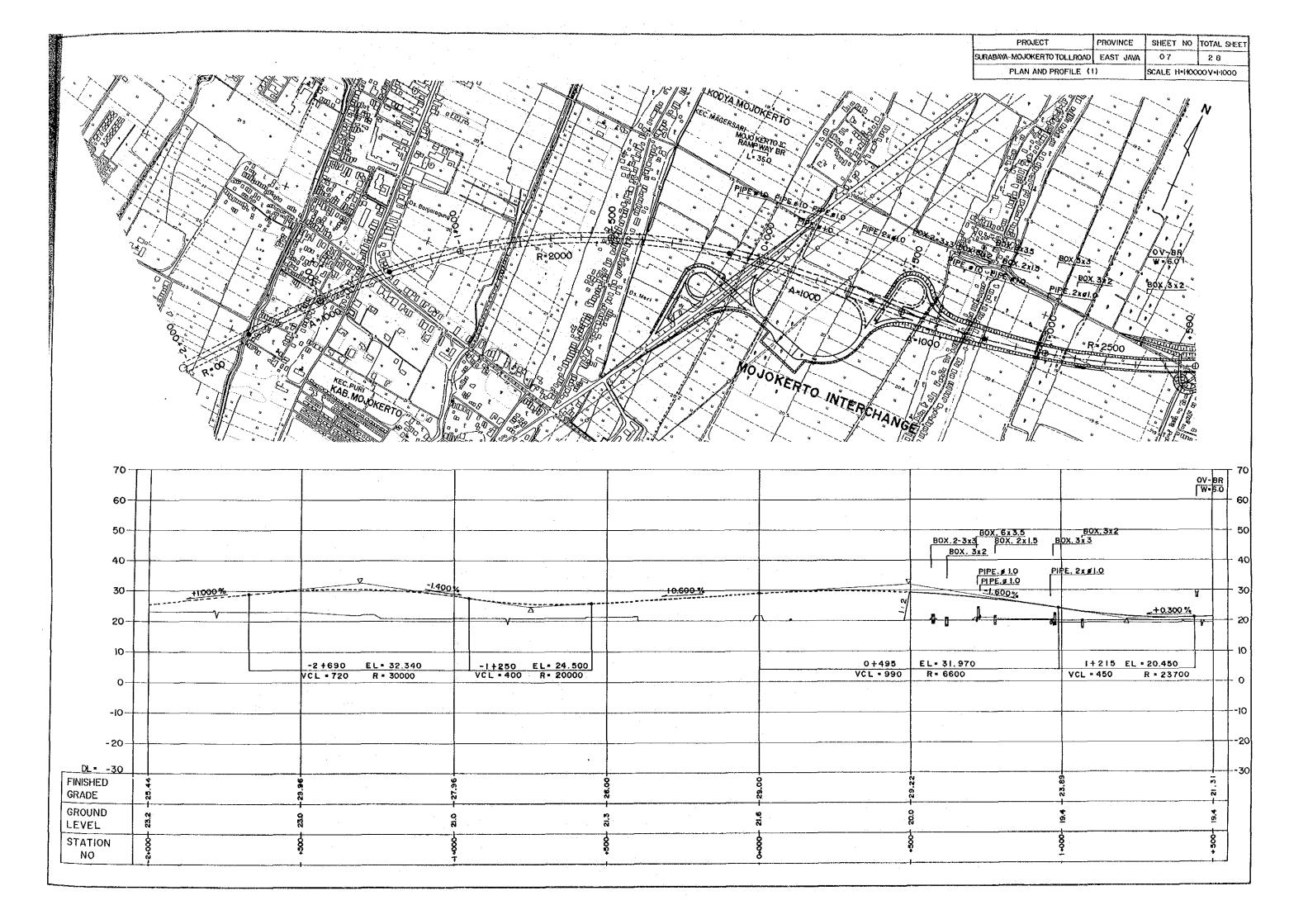
### KABUPATEN ROAD

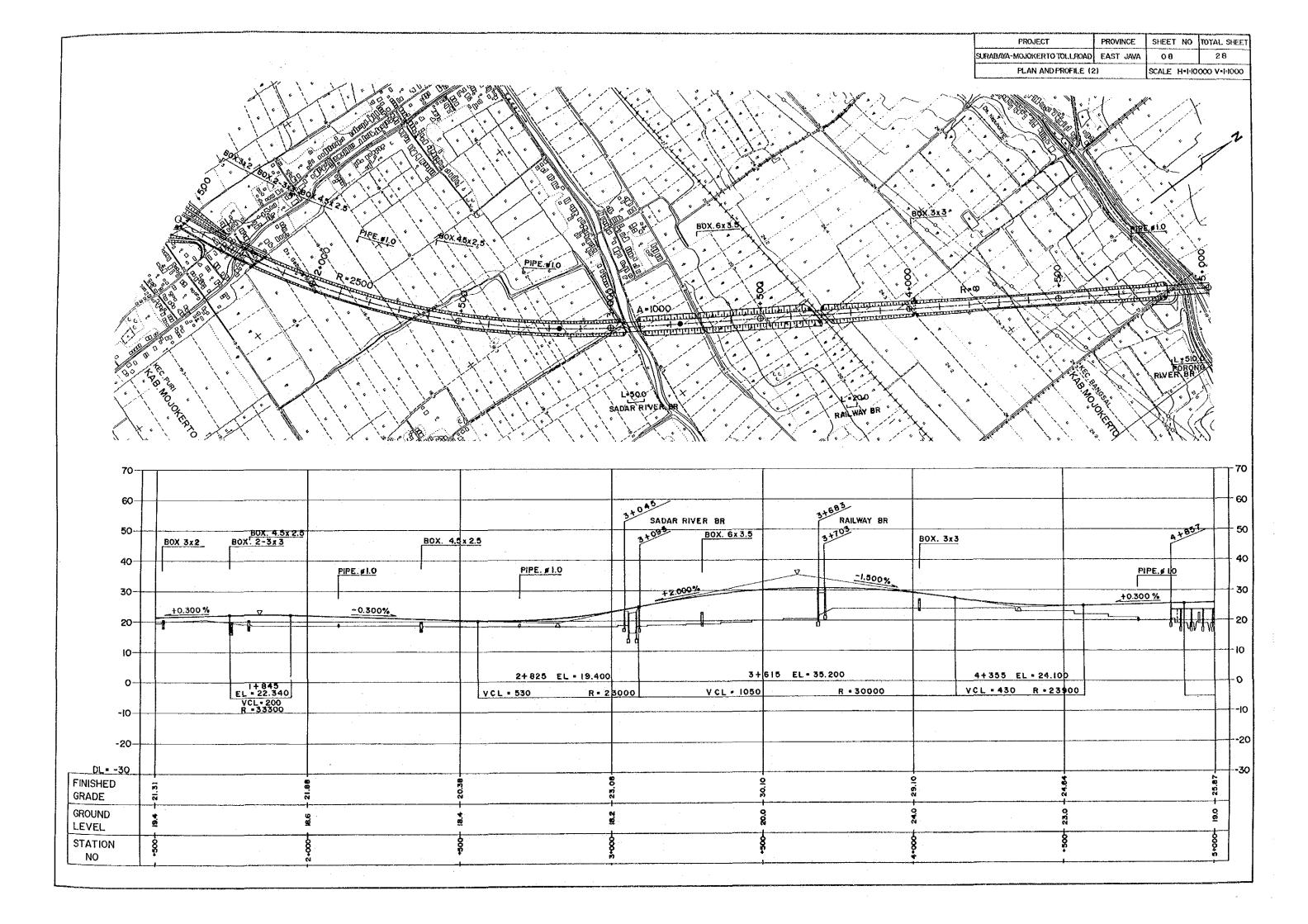
OVER BRIDGE SECTION

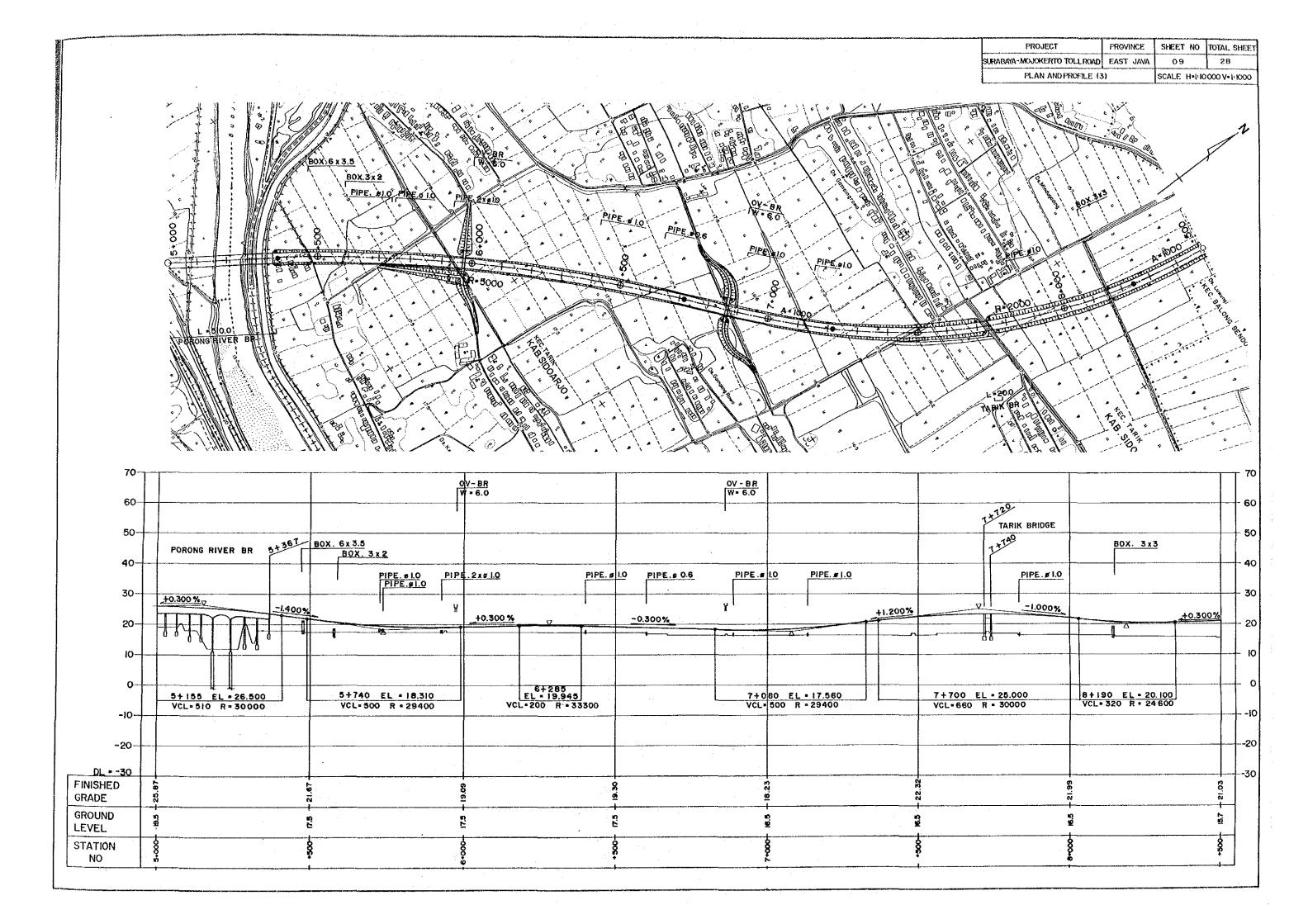


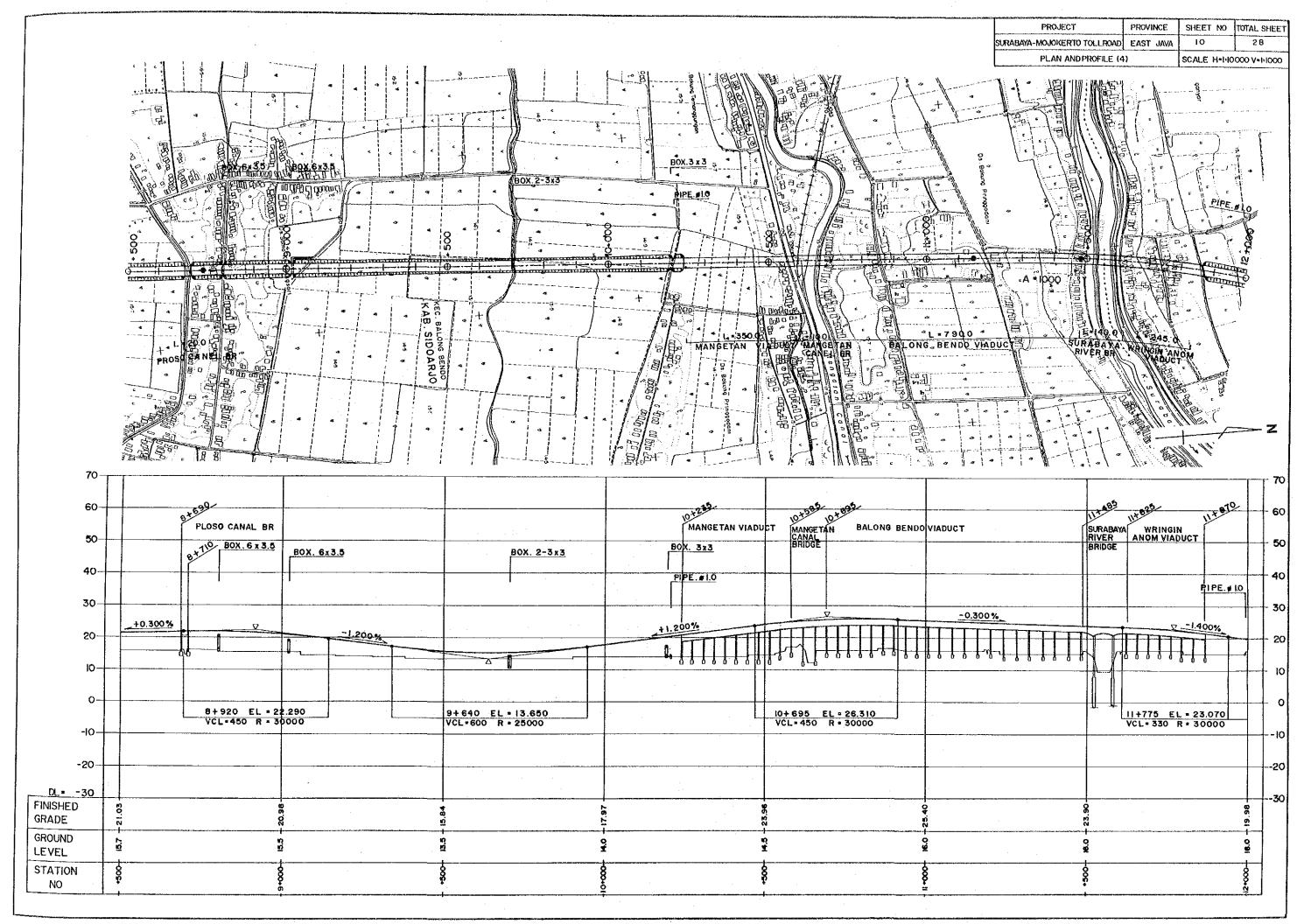
### EARTH WORK SECTION

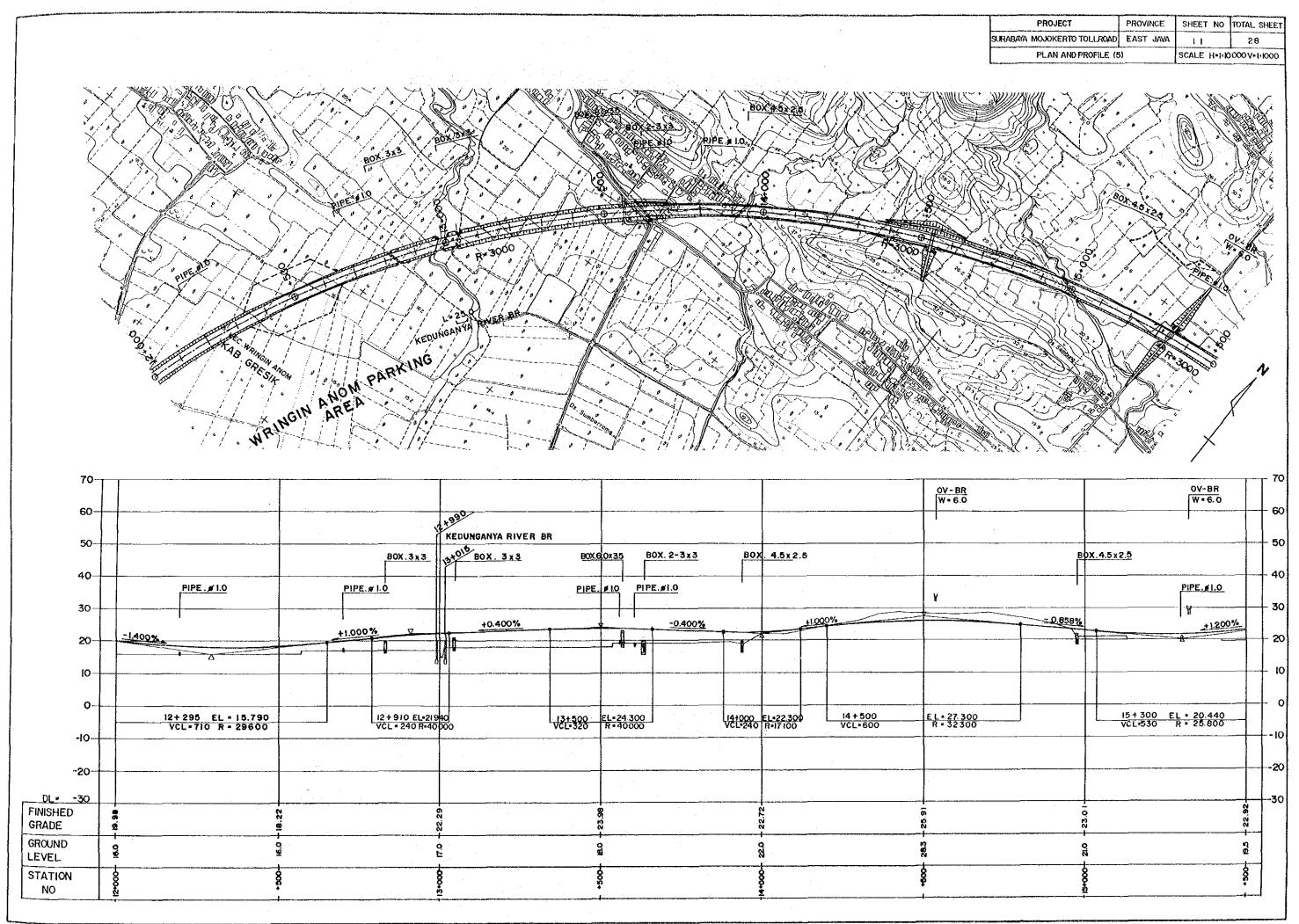


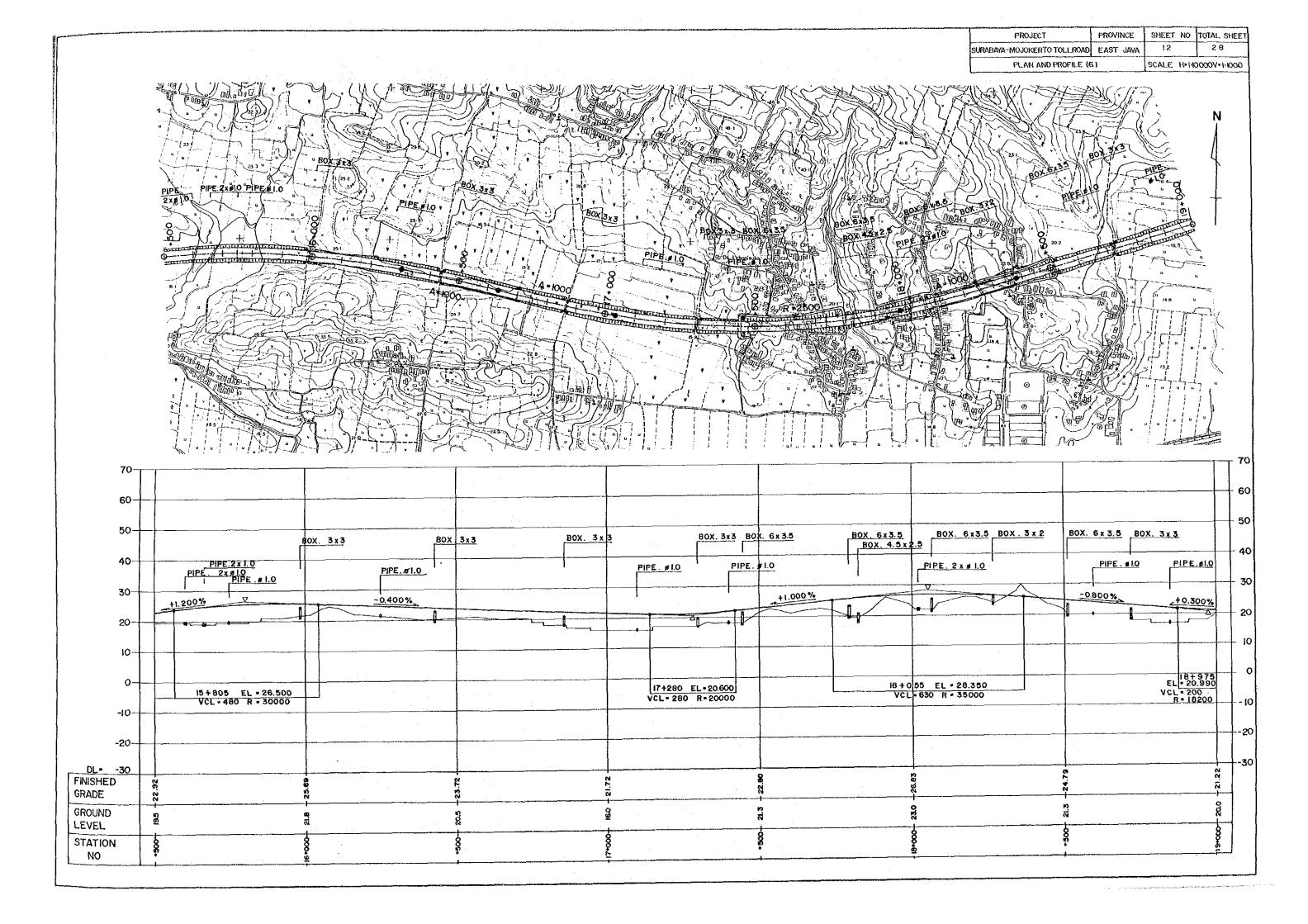


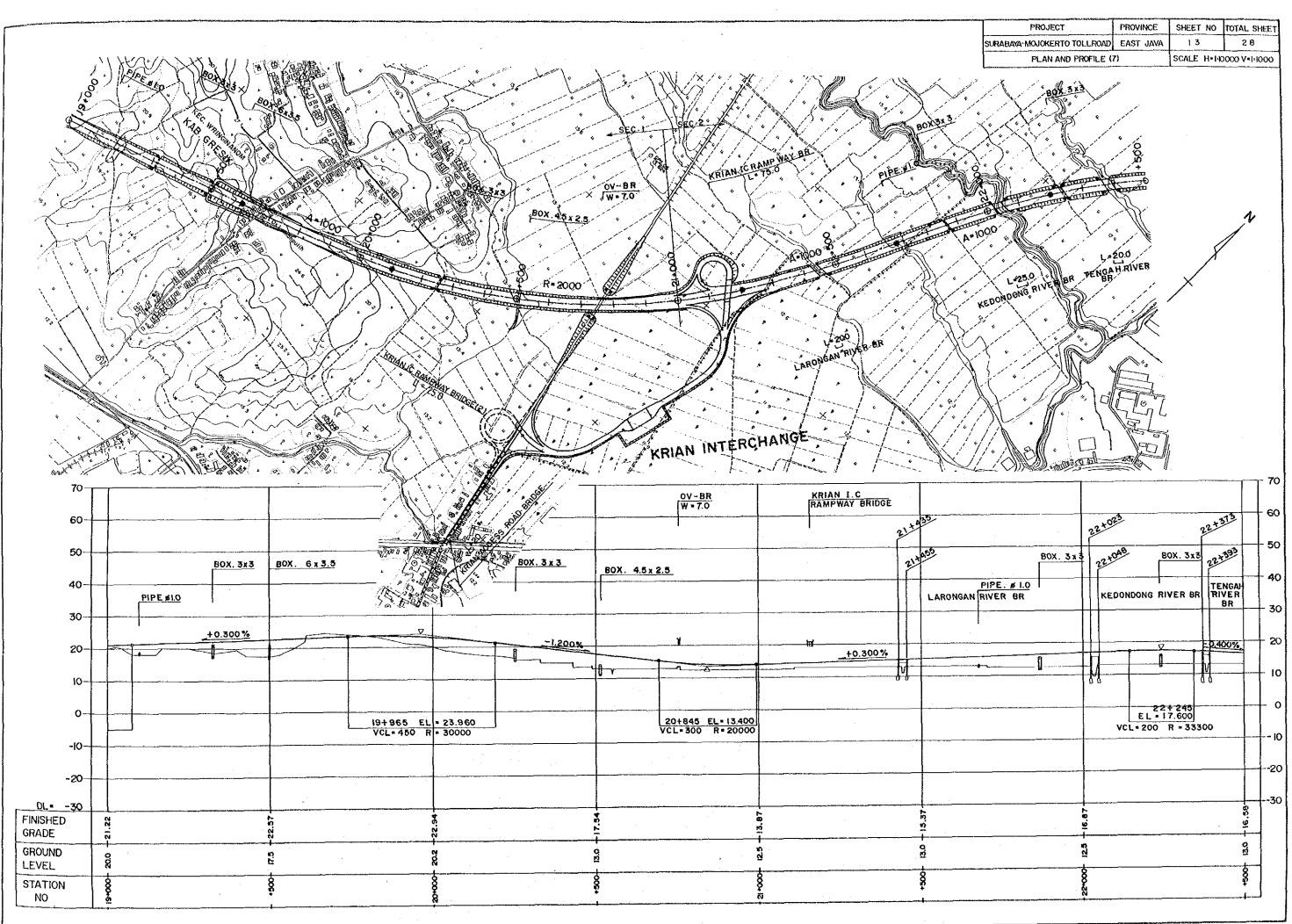




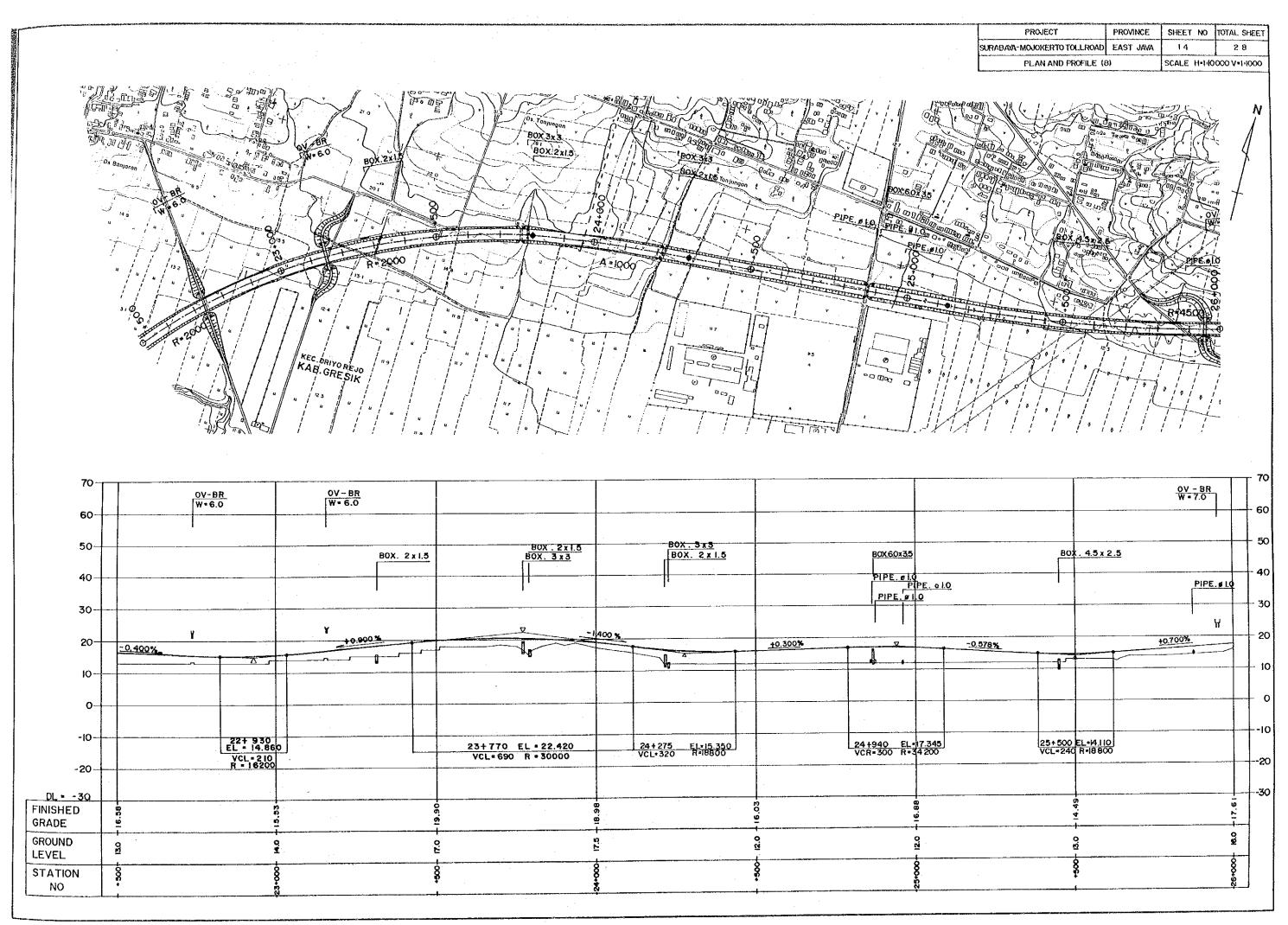


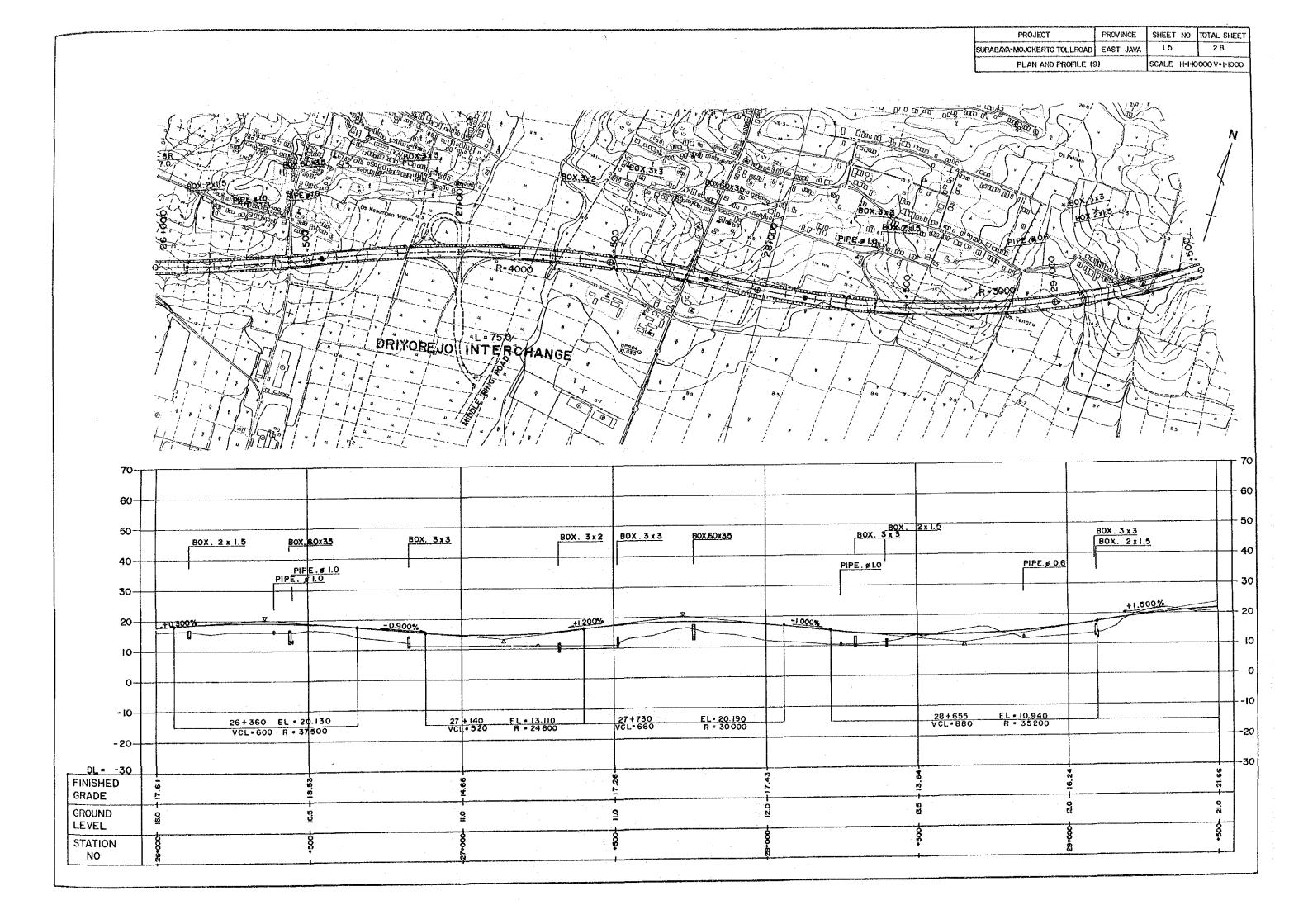


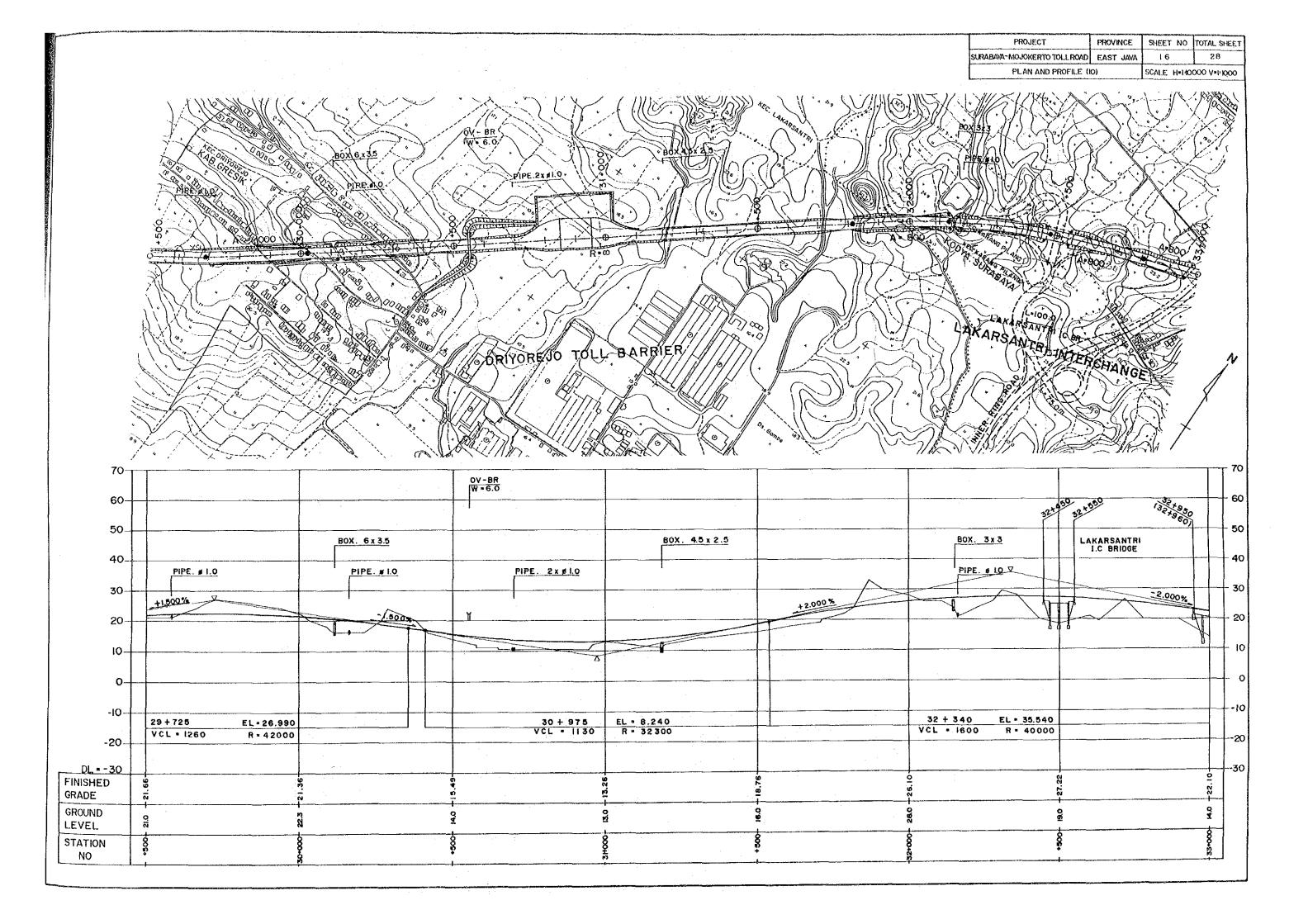


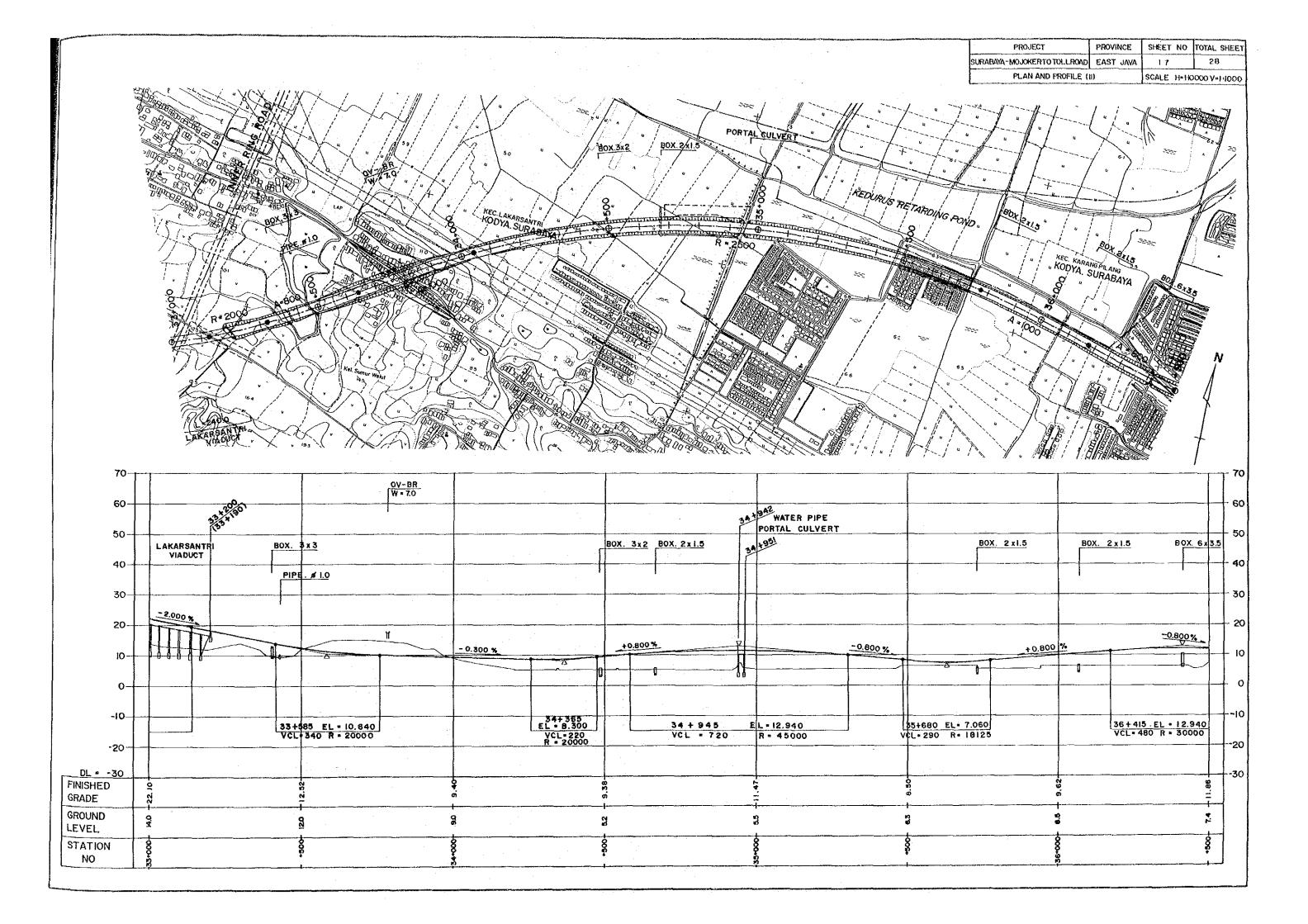


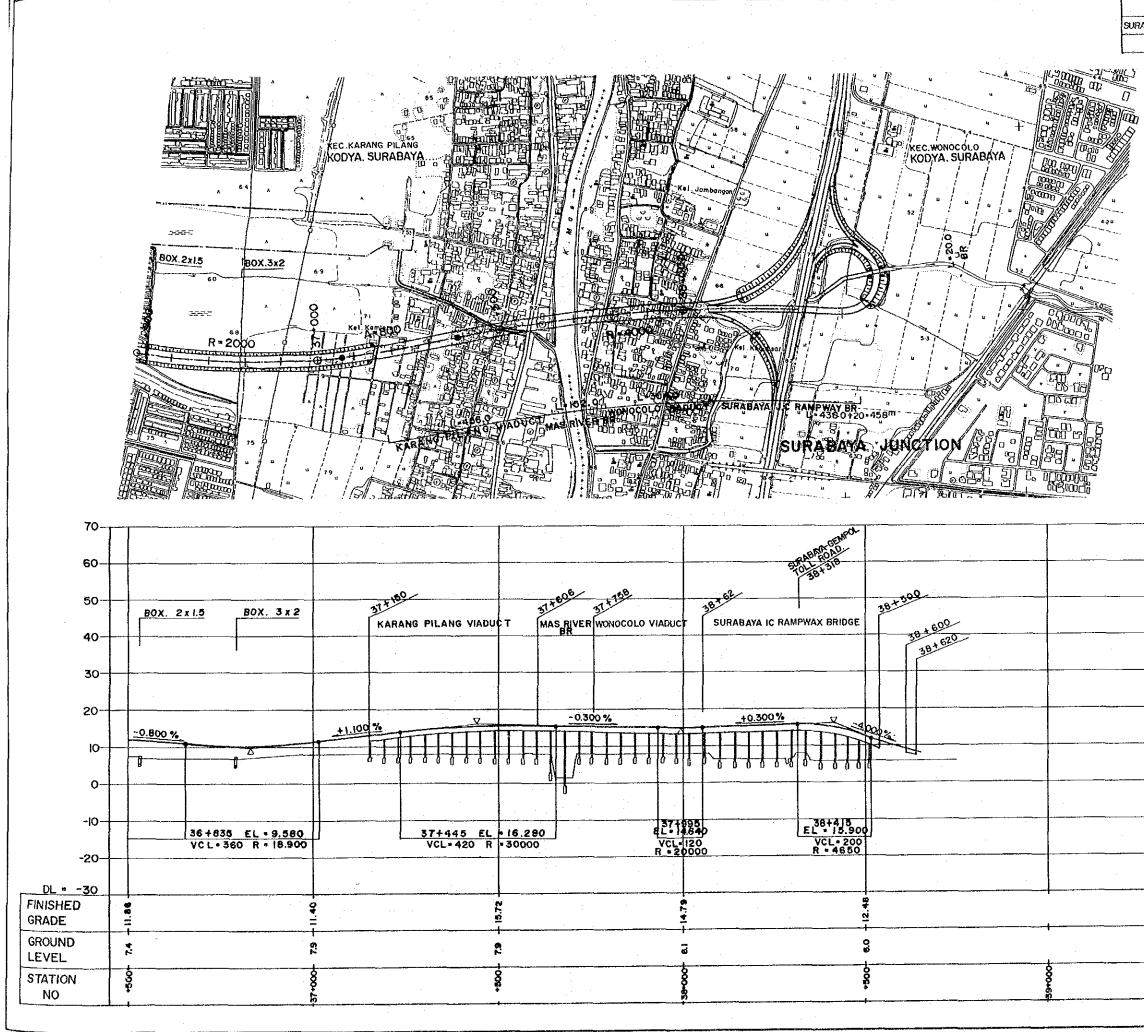
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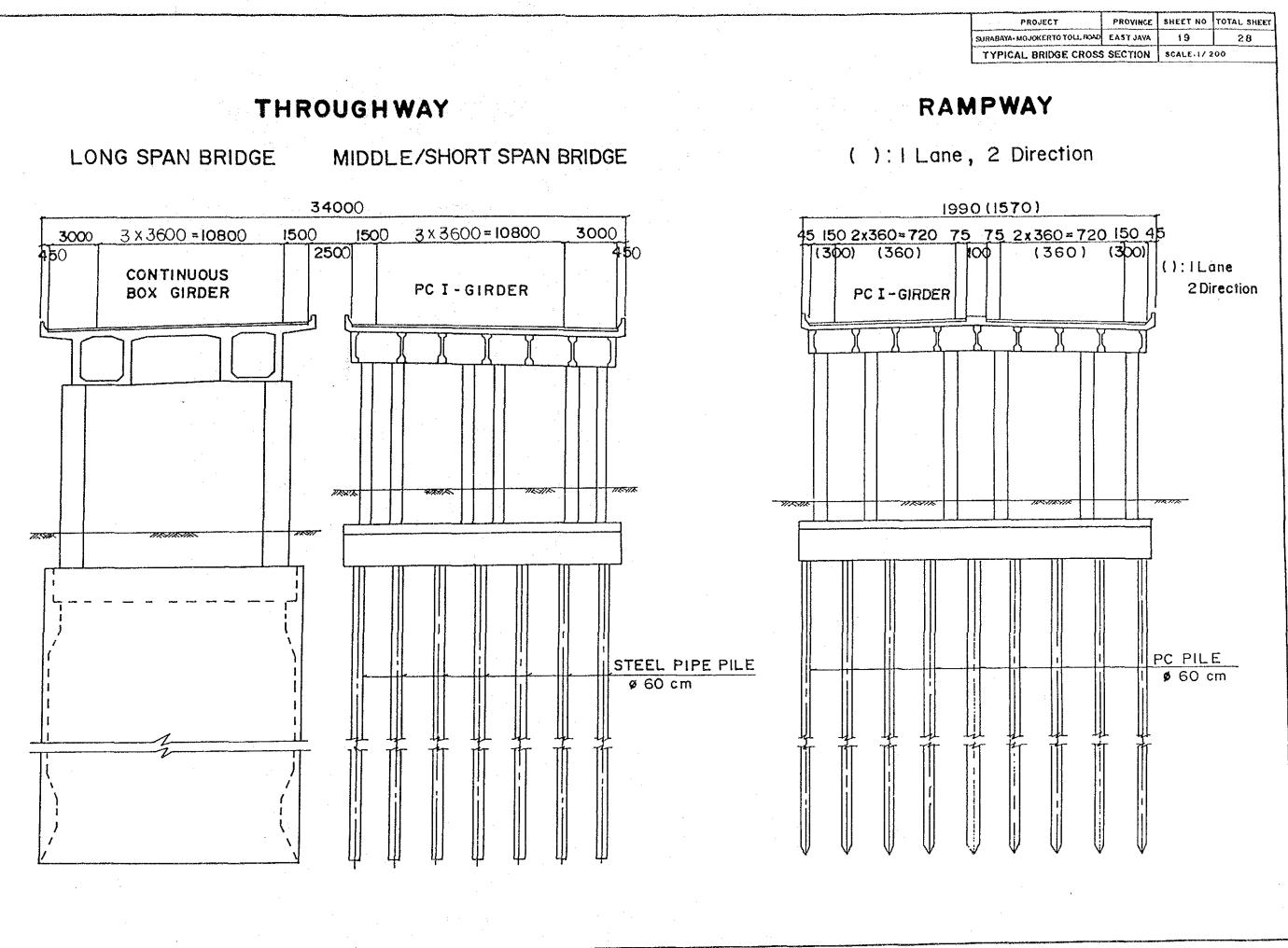


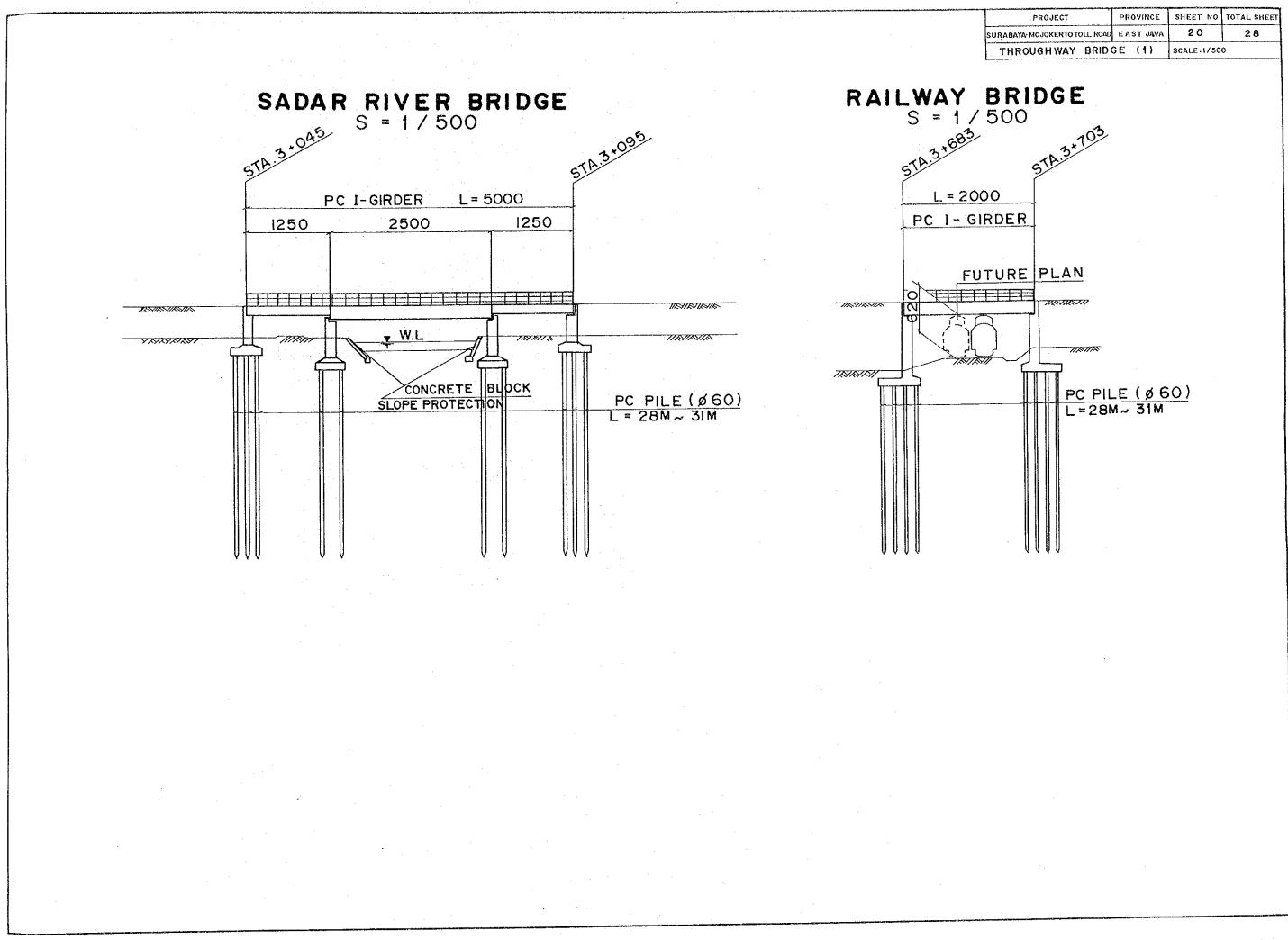


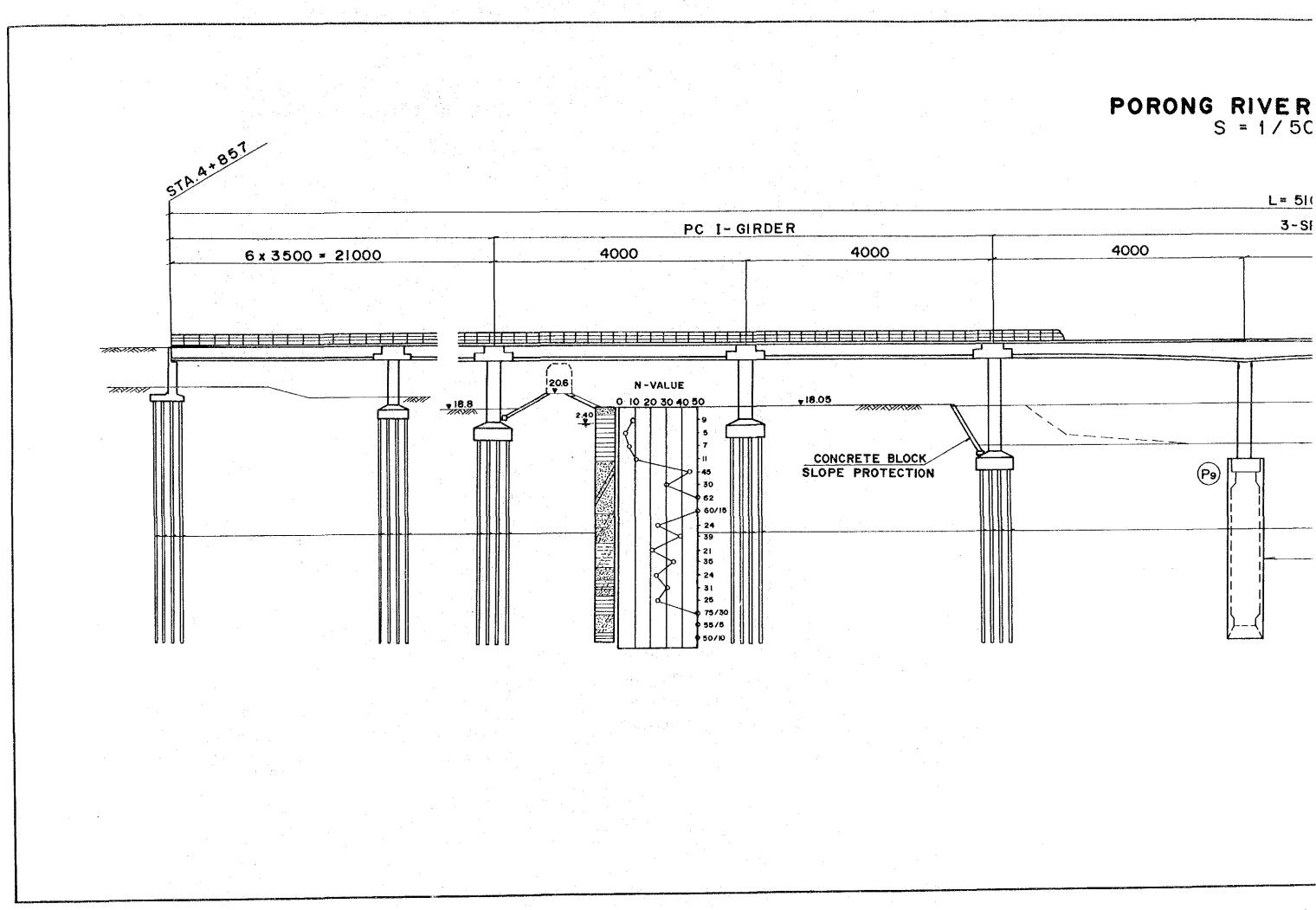




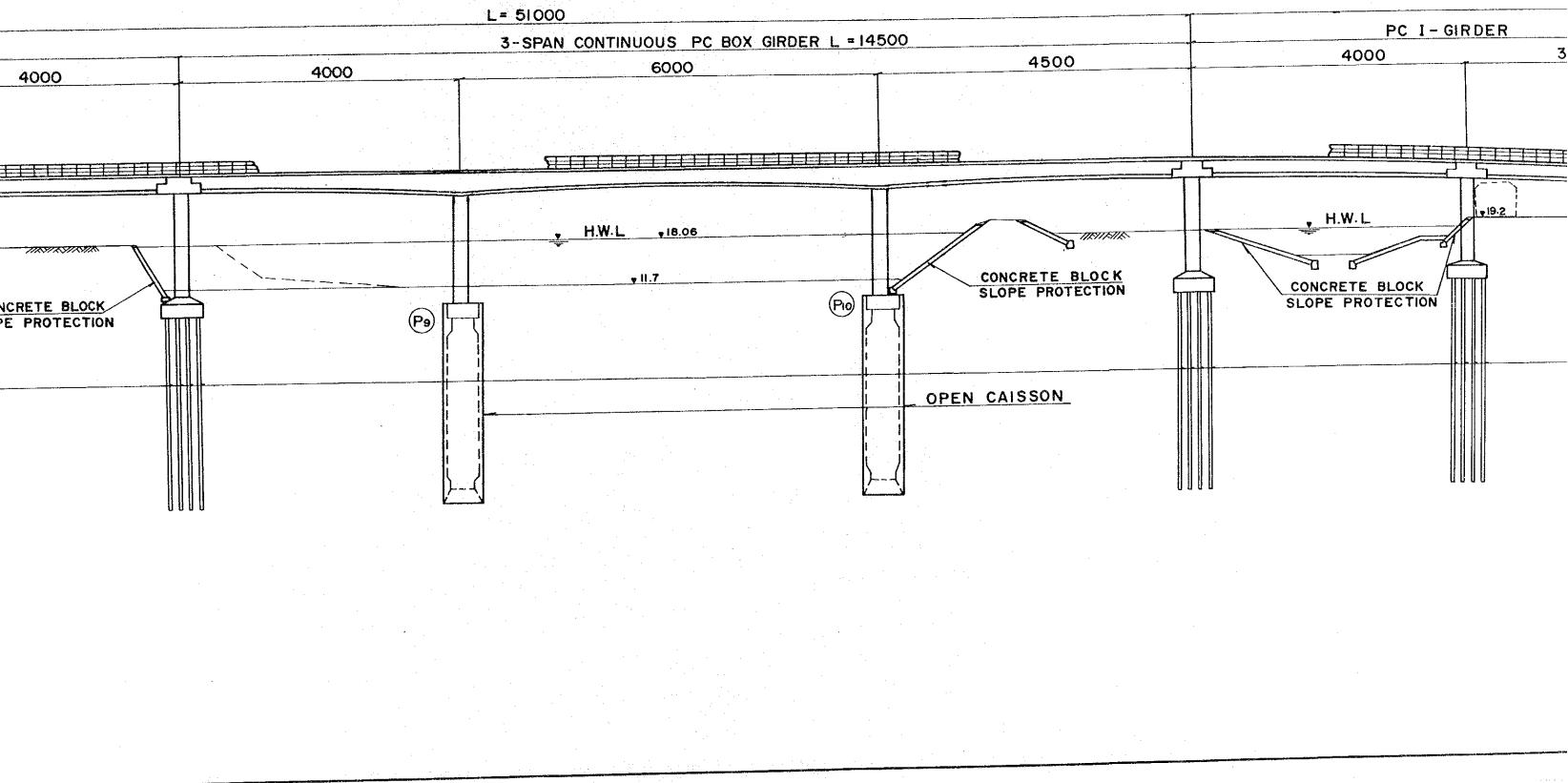
PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
ABAYA MOJOKERTO TOLLROAD PLAN AND PROFILE	<b>.</b>	18 SCALE H*140	28
PLAN AND PROFILE.		JOUALE HIN	000 111000
4			
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		<u> </u>	70
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			40
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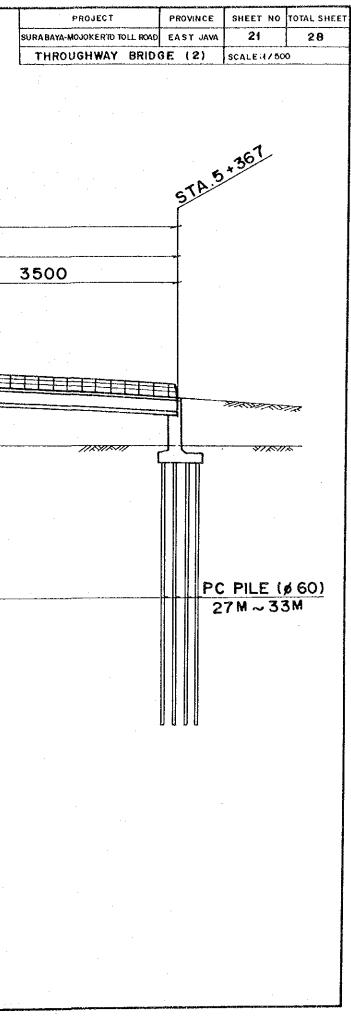


### PORONG RIVER BRIDGE S = 1/500

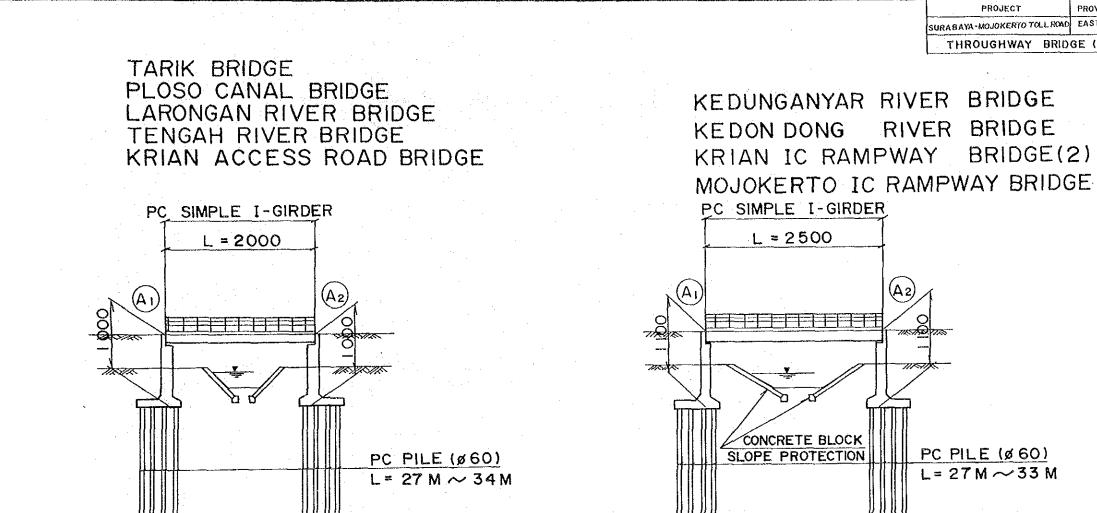


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# IVER BRIDGE



L= 51000 PC I-GIRDER 3-SPAN CONTINUOUS PC BOX GIRDER L = 14500 4500 4000 6000 **F**FFF · 19.2 H.W.L H.W.L **v 18.06** TINTINI  $\overline{\mathbf{v}}$ ſ 20 CONCRETE BLOCK SLOPE PROTECTION ¥ II.7 CONCRETE BLOCK / SLOPE PROTECTION Pio OPEN CAISSON

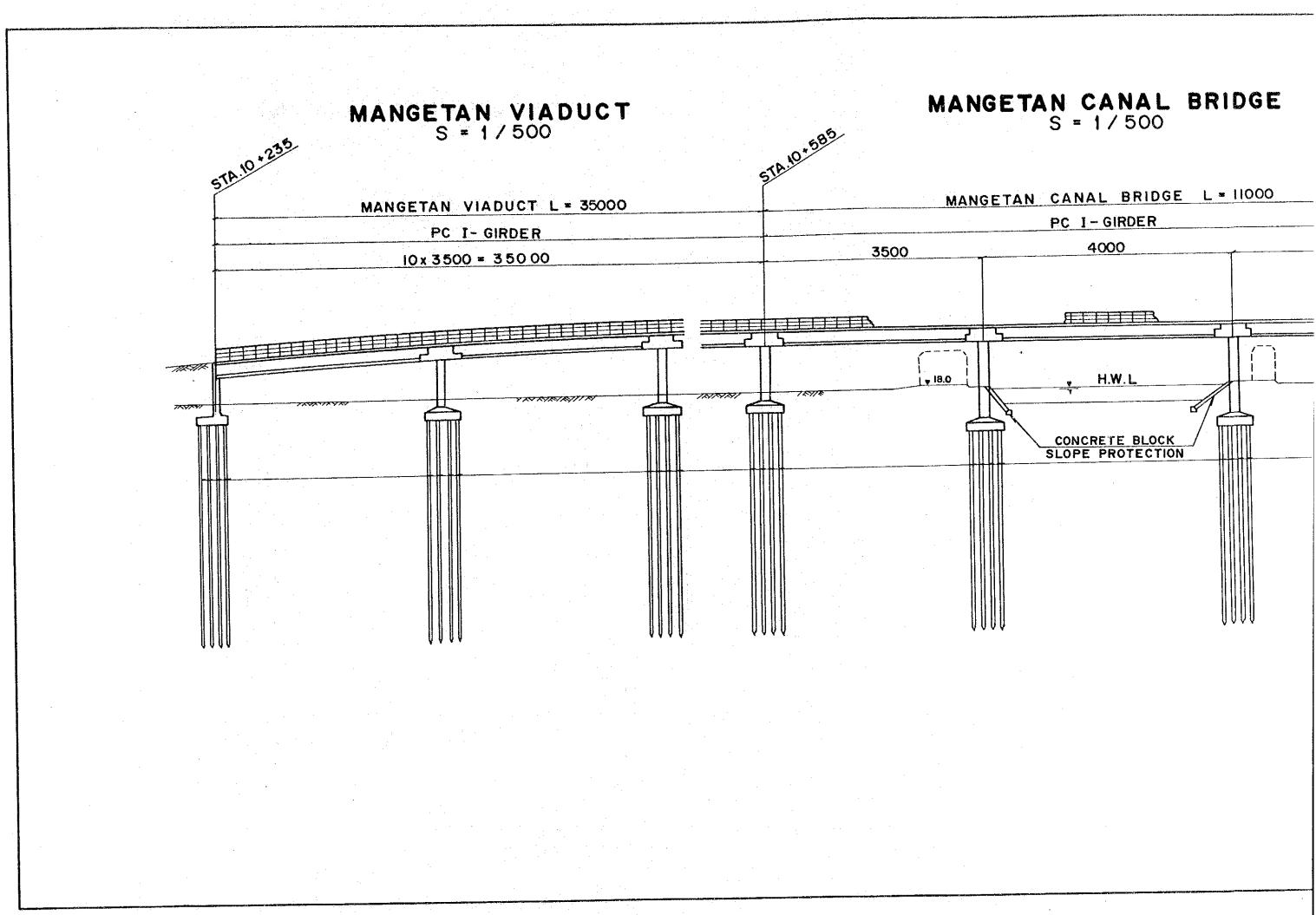


BRIDGE NAME	STATION	PILE LENGTH
	· · · · · · · · · · · · · · · · · · ·	(M)
TARIK BRIDGE	7 + 720 - 7 + 740	30
PLOSO CANAL BRIDGE	8 + 690 - 8 + 710	34
LARONGAN RIVER BRIDGE	21 + 435 - 21 + 455	29
TENGAH RIVER BRIDGE	22 + 373 - 22 + 393	27
KRIAN ACCESS ROAD BRIDGE		30

BRIDGE NAME	STATION	PILE LENGTH (M)
KEDUNGANYAR RIVER BRIDGE	12 + 970 - 12 + 995	33
KEDONDONG RIVER BRIDGE	22 + 023 - 22 + 048	27
KRIAN IC RAMPWAY BRIDGE(2)		30
MOJOKERTO IC RAMPWAY BRIGE		30

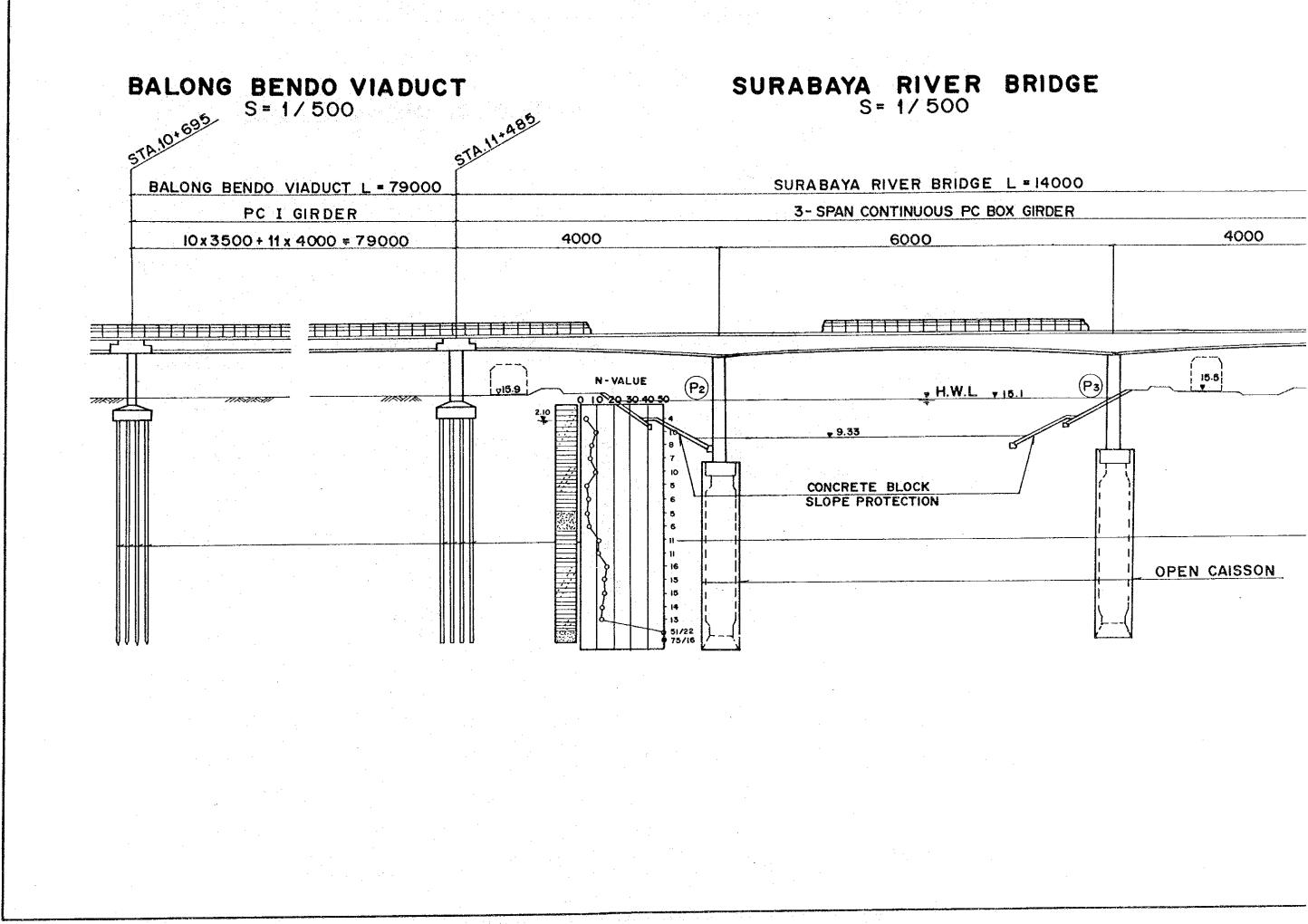
PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
YA-MOJOKERTO TOLL ROAD	EAST JAVA	22	28
ROUGHWAY BRID	GE (3)	SCALE. I	: 500

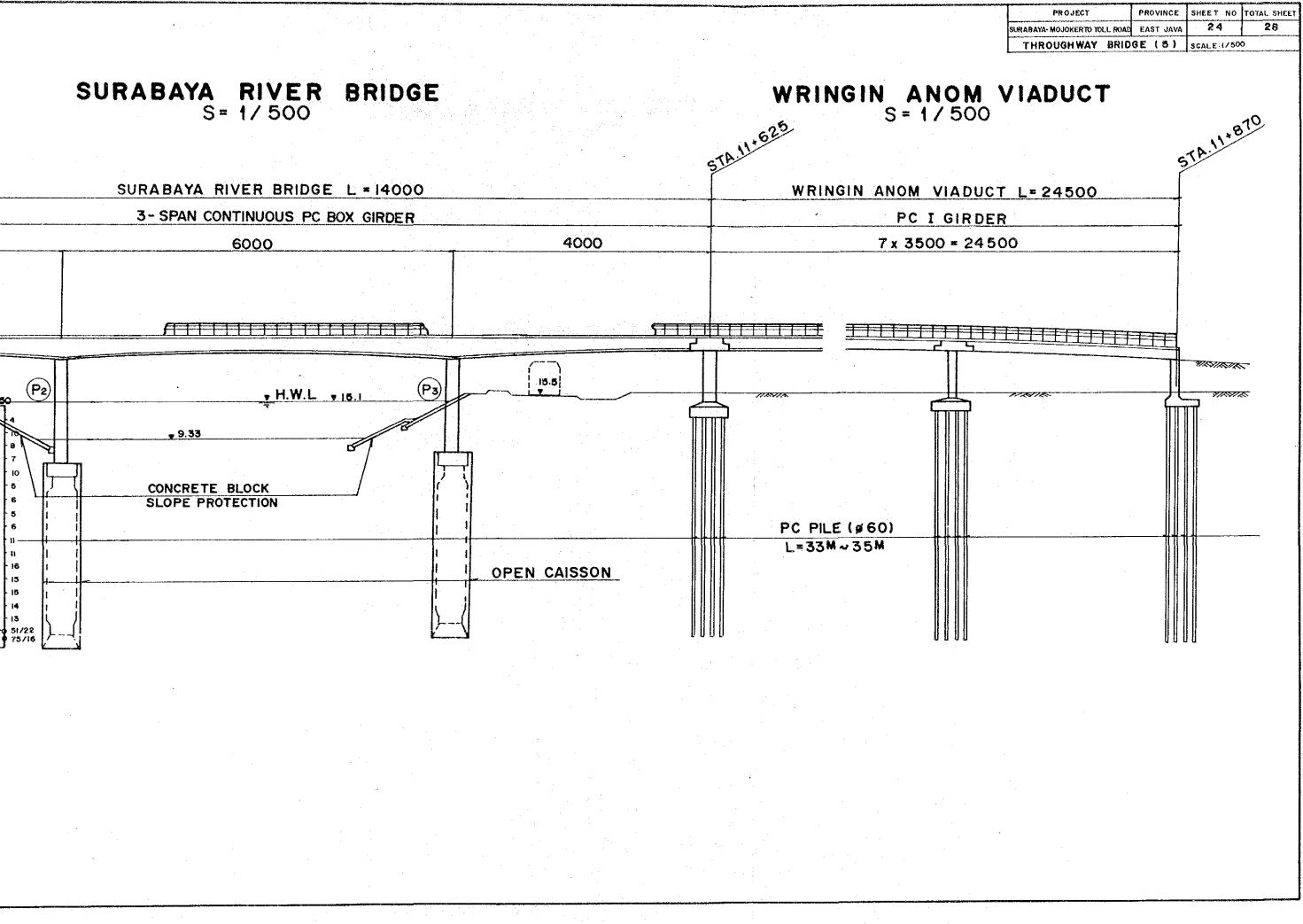
E	(ø	6	0	)
M	$\sim$	3	3	М

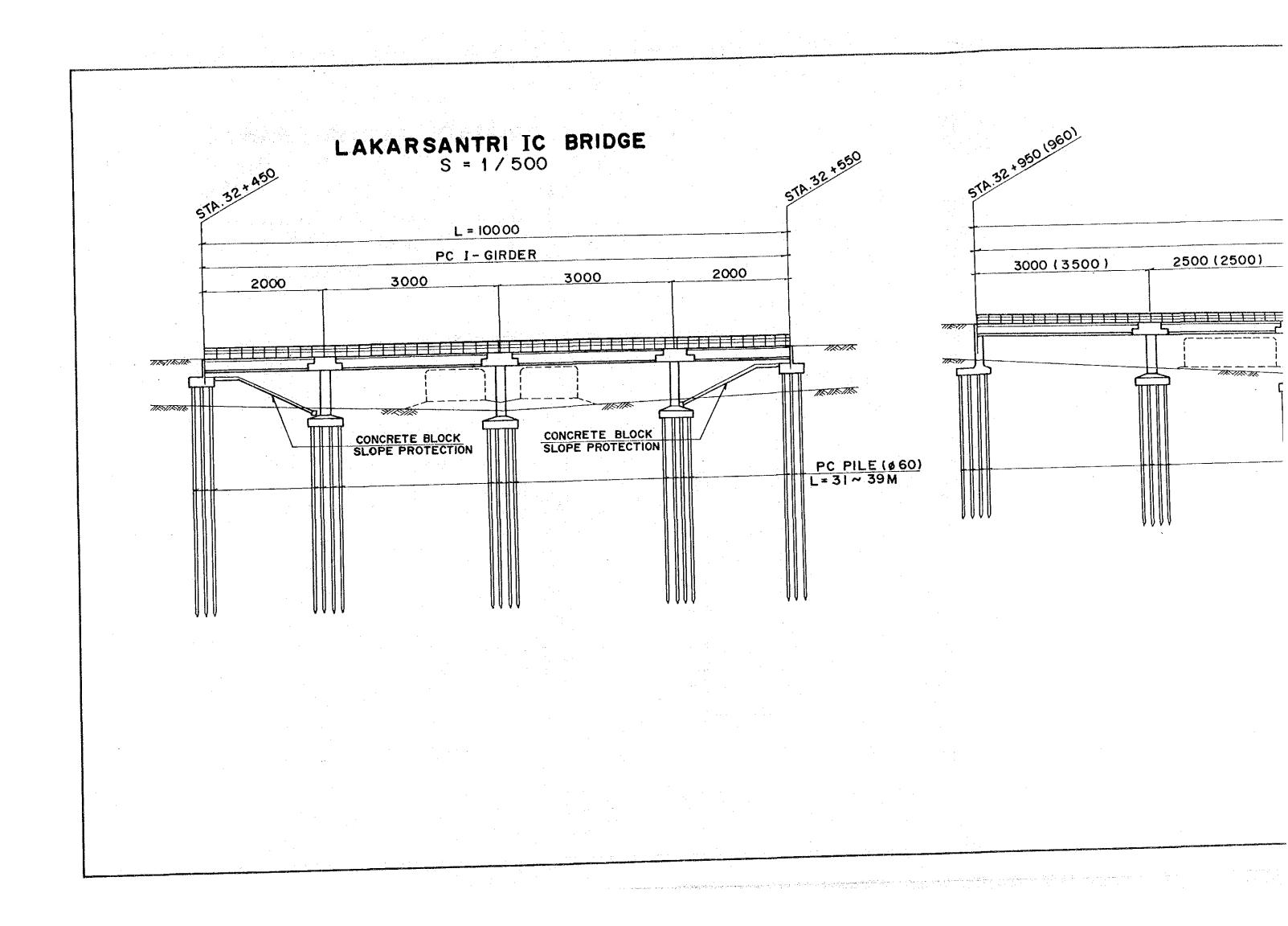


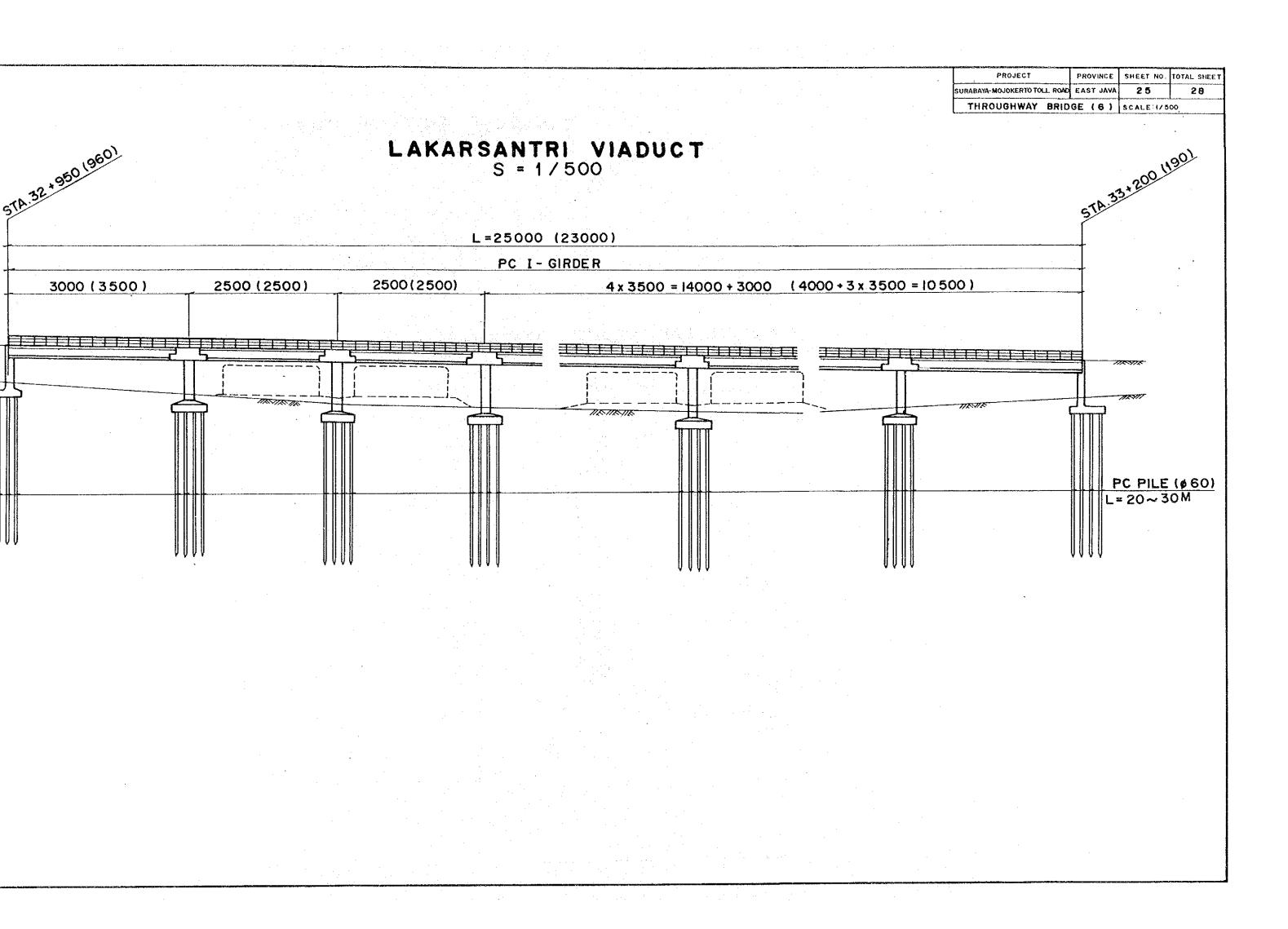
PROJECT SURA BAYA-MOJOKERTO THROUGHWAY MANGETAN CANAL BRIDGE S = 1/500 TAN VIADUCT = 1/500STA 10\* 695 STA.10\*585 MANGETAN CANAL BRIDGE L = 11000 VIADUCT L = 35000 PC I-GIRDER C I- GIRDER 3500 4000 3500 500 = 350 00 ATTER **H** - I8.O H.W.L 7755778 78789897  $\mathbf{Z}$ PC PILE (# 60) CONCRETE BLOCK SLOPE PROTECTION ╫╫ L=31M~34M

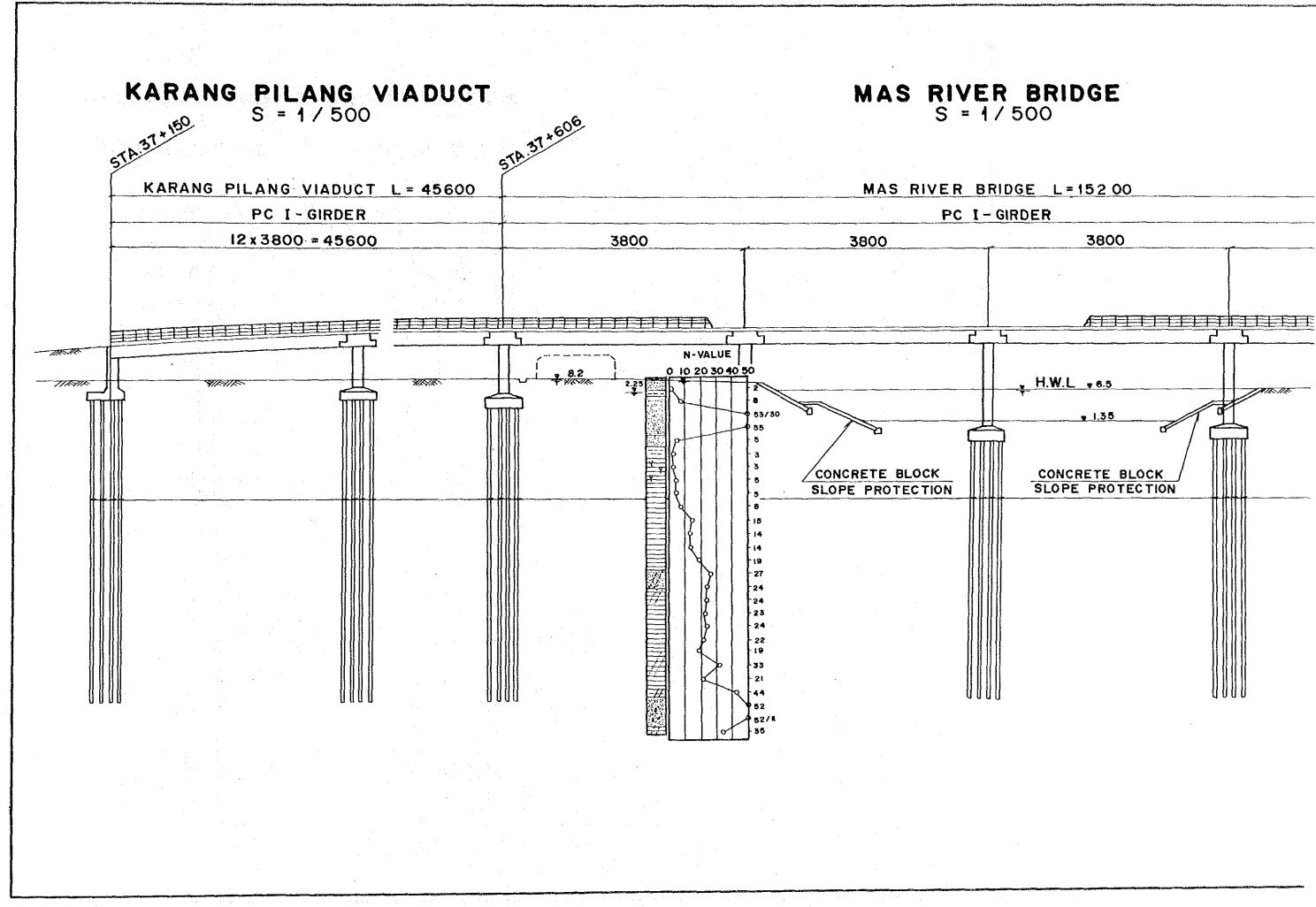
	PROVINCE	SHEET NO	TOTAL SHEET
D TOLL ROAD	EAST JAVA	23	28
Y BRID	GE (4)	SCALE:1/500	)

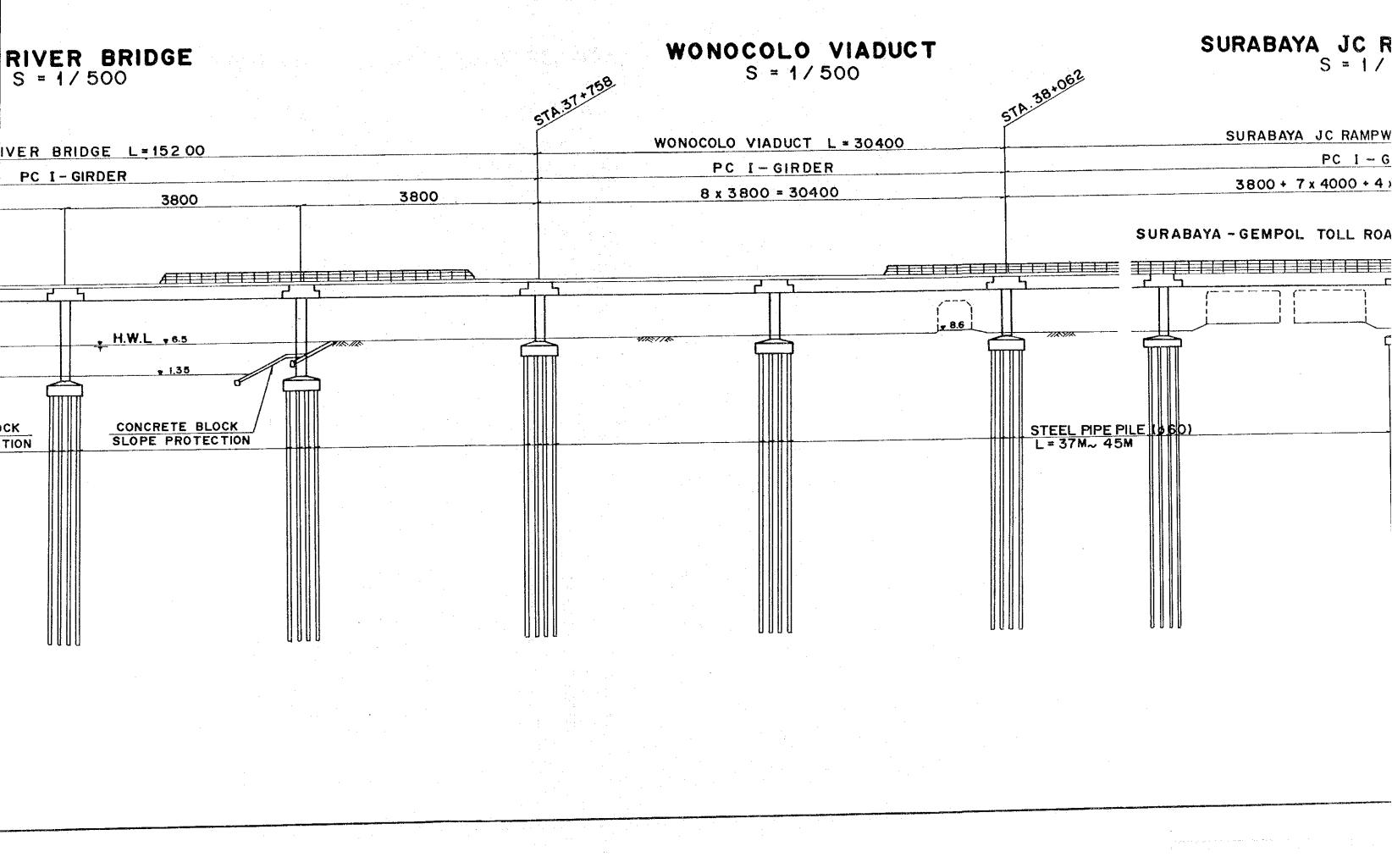


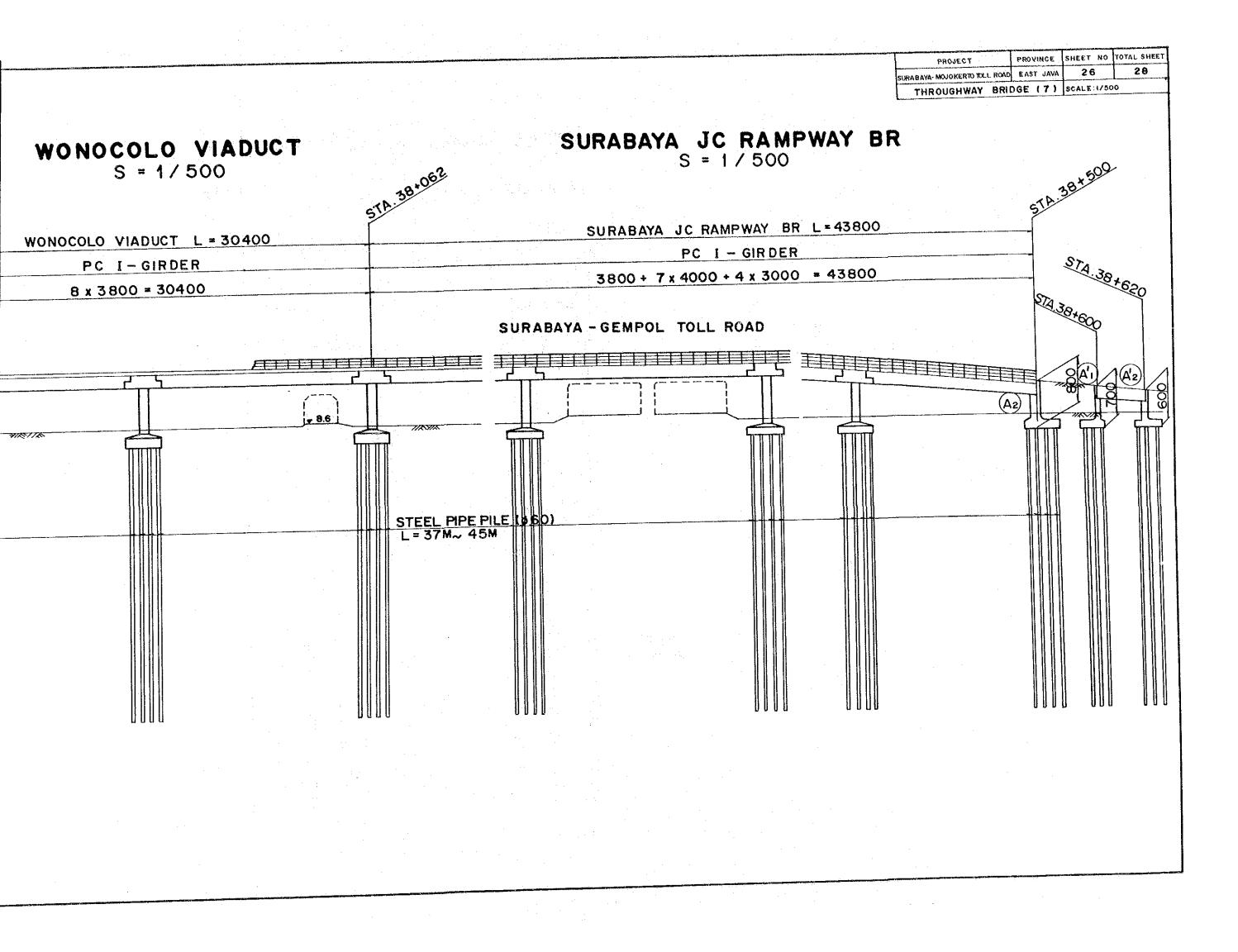








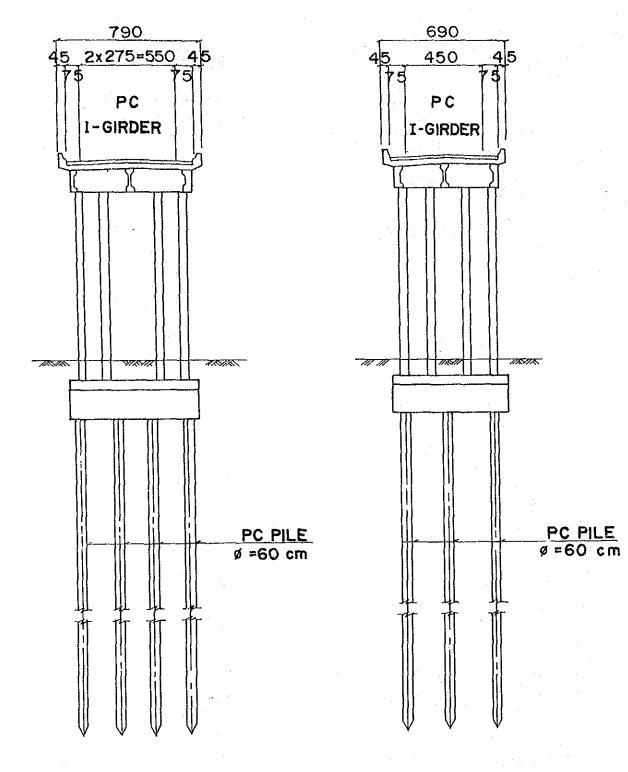




## OVERPASS BRIDGE CROSS SECTION

KABUPATEN ROAD

DESA ROAD



PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
SURABAYA-MOJOKERTO TOLL ROAD	EAST JAVA	27	28
OVE RPASS BRIDGE CROSS SECTION		SCALE . 1/ 200	

