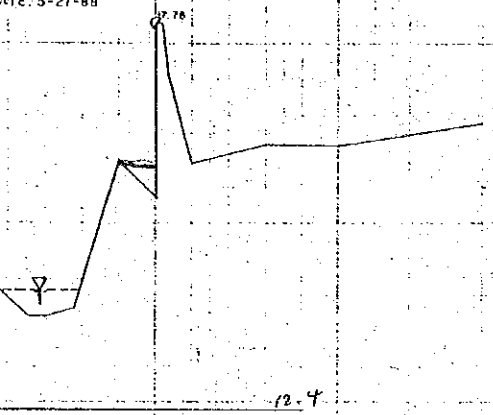
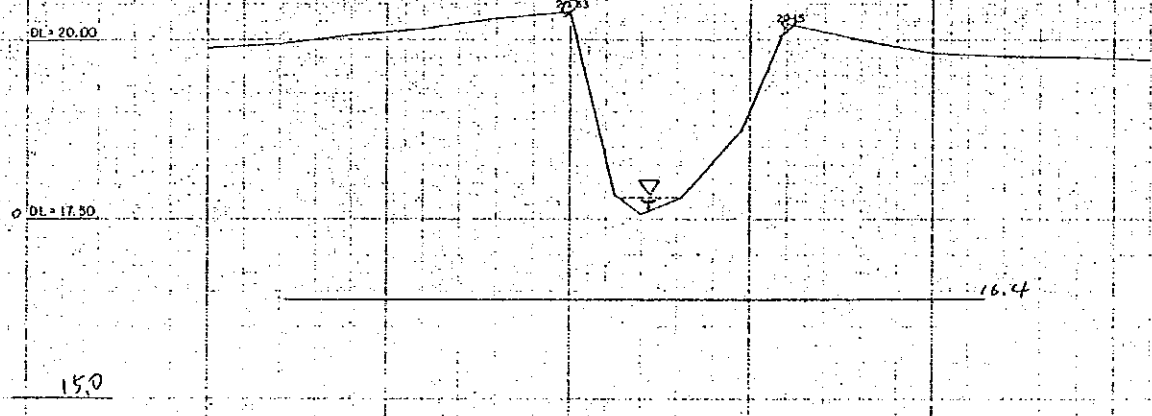


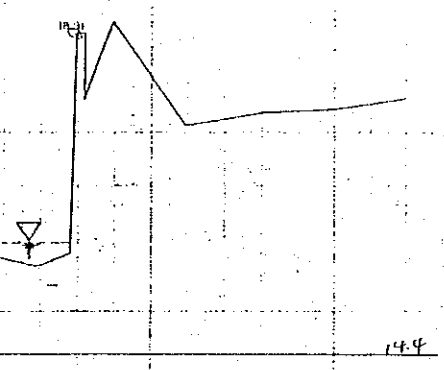
STA. 0+000  
S. EL. = 14.03  
DATE: 5-27-88



STA. 2+000  
W.S. EL. = 17.00  
DATE: 5-27-88



STA. 0+000  
S. EL. = 15.97  
DATE: 5-27-88



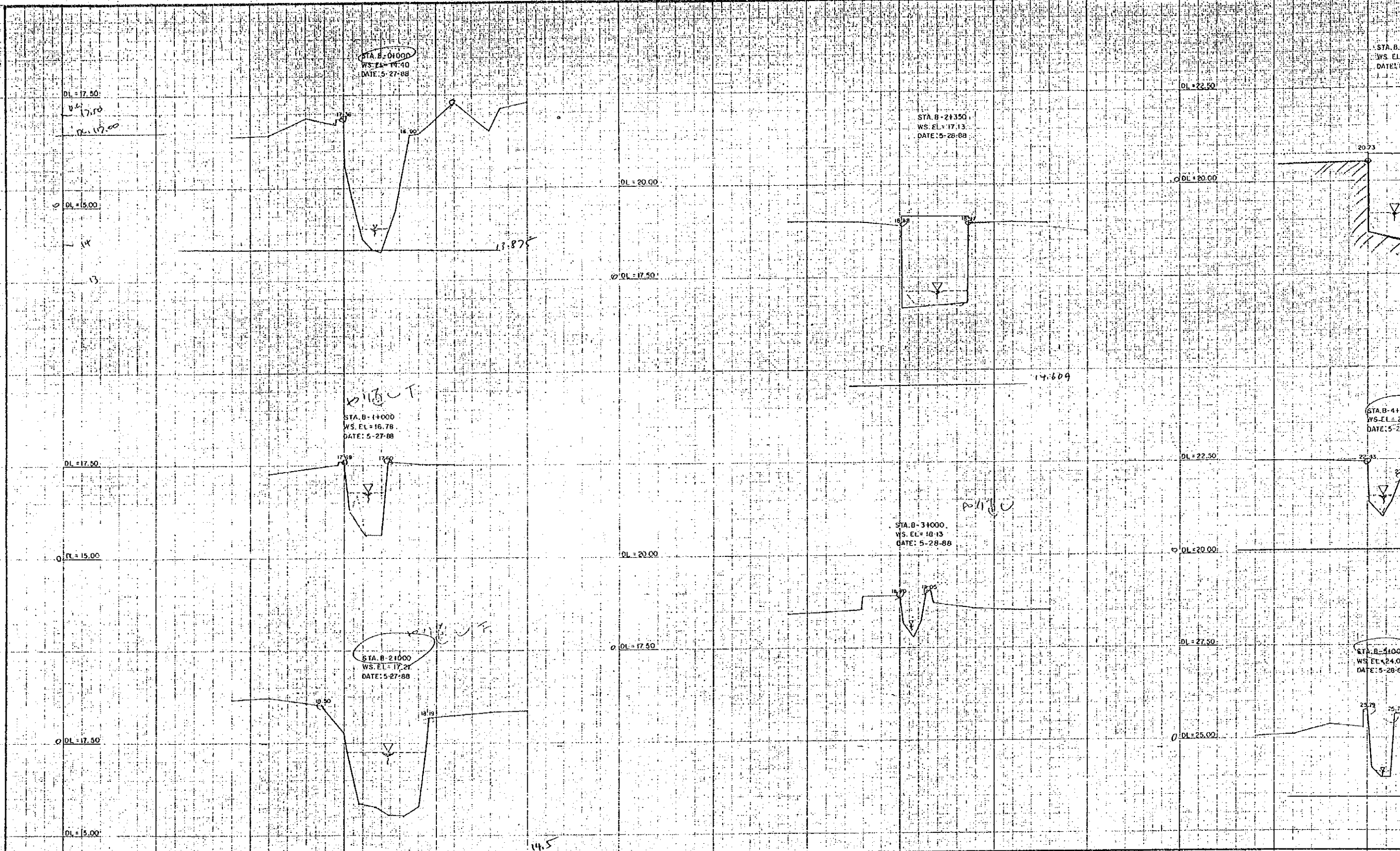
CONSULTANTS	
DATE	SIGNATURE

JAPAN INTERNATIONAL COOPERATION AGENCY

J		C A	
DATE	SIGNATURE	DATE	SIGNATURE

PROJECT EXPERT  
PROJECT LEADER

<p>CROSS SECTION</p> <p>SAPANO BAHU RIVER TRIBUTARY-A</p> <p>STA. 0+000—STA. 2+000</p>	SCALE	DRWG. NO.
	<p>HORIZONTAL 1:250</p> <p>VERTICAL 1:50</p>	1 /



**ACRE SURVEYING & DEV.**

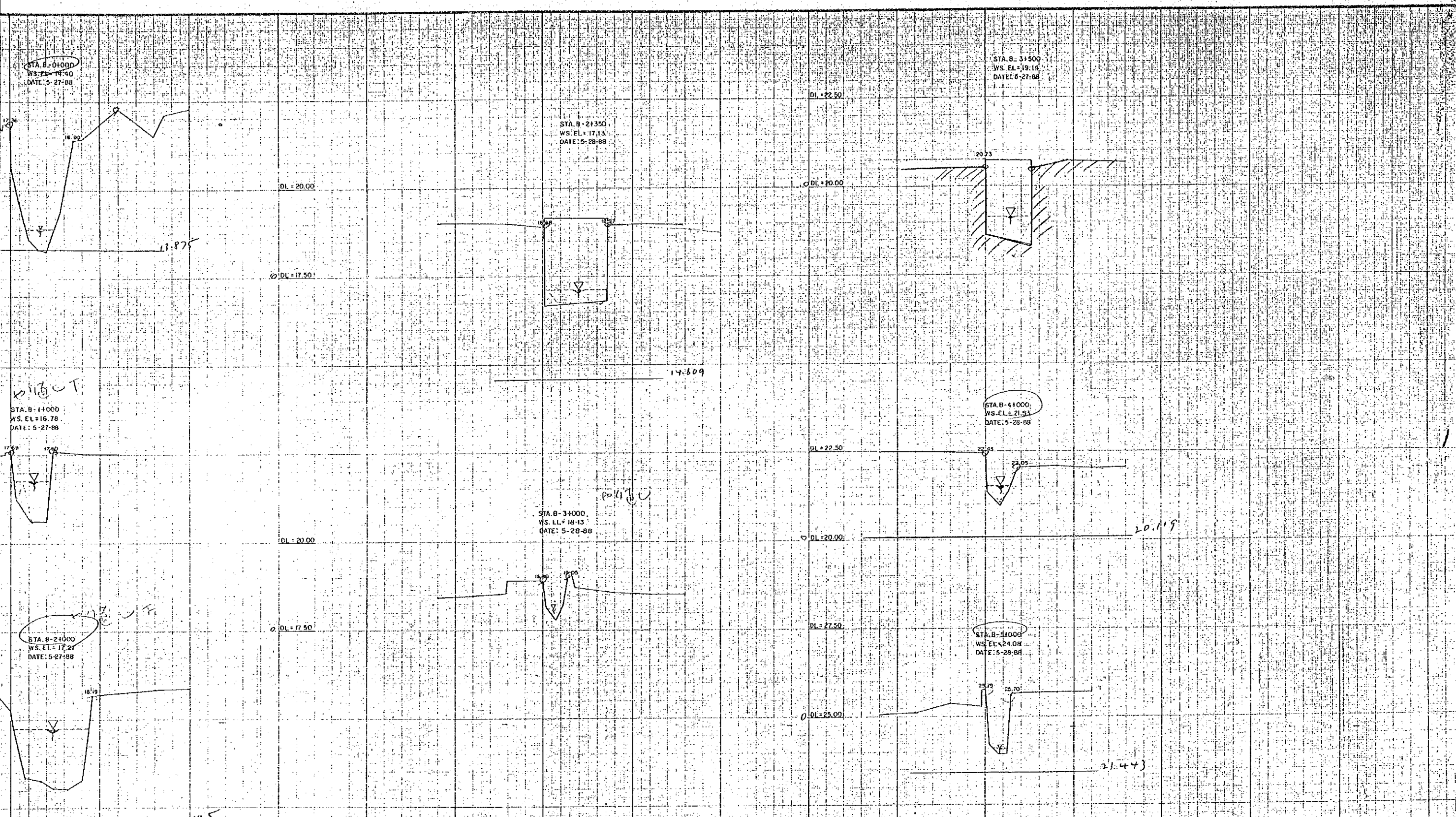
CONSULTANTS	
DATE	SIGNATURE
SURVEYED BY:	
CHECKED BY:	
PROJECT MANAGER	

JAPAN INTERNATIONAL COOPERATION AGENCY

C. A.	
DATE	SIGNATURE
PROJECT EXPERT:	
PROJECT LEADER	

Master Piece  
Printed 5/28/88

Master Piece  
Printed 5/28/88



CONSULTANTS	
DATE	SIGNATURE

JAPAN INTERNATIONAL  
COOPERATION AGENCY

U C A	
DATE	SIGNATURE

PROJECT EXPERT	DATE	SIGNATURE

DATE	SIGNATURE

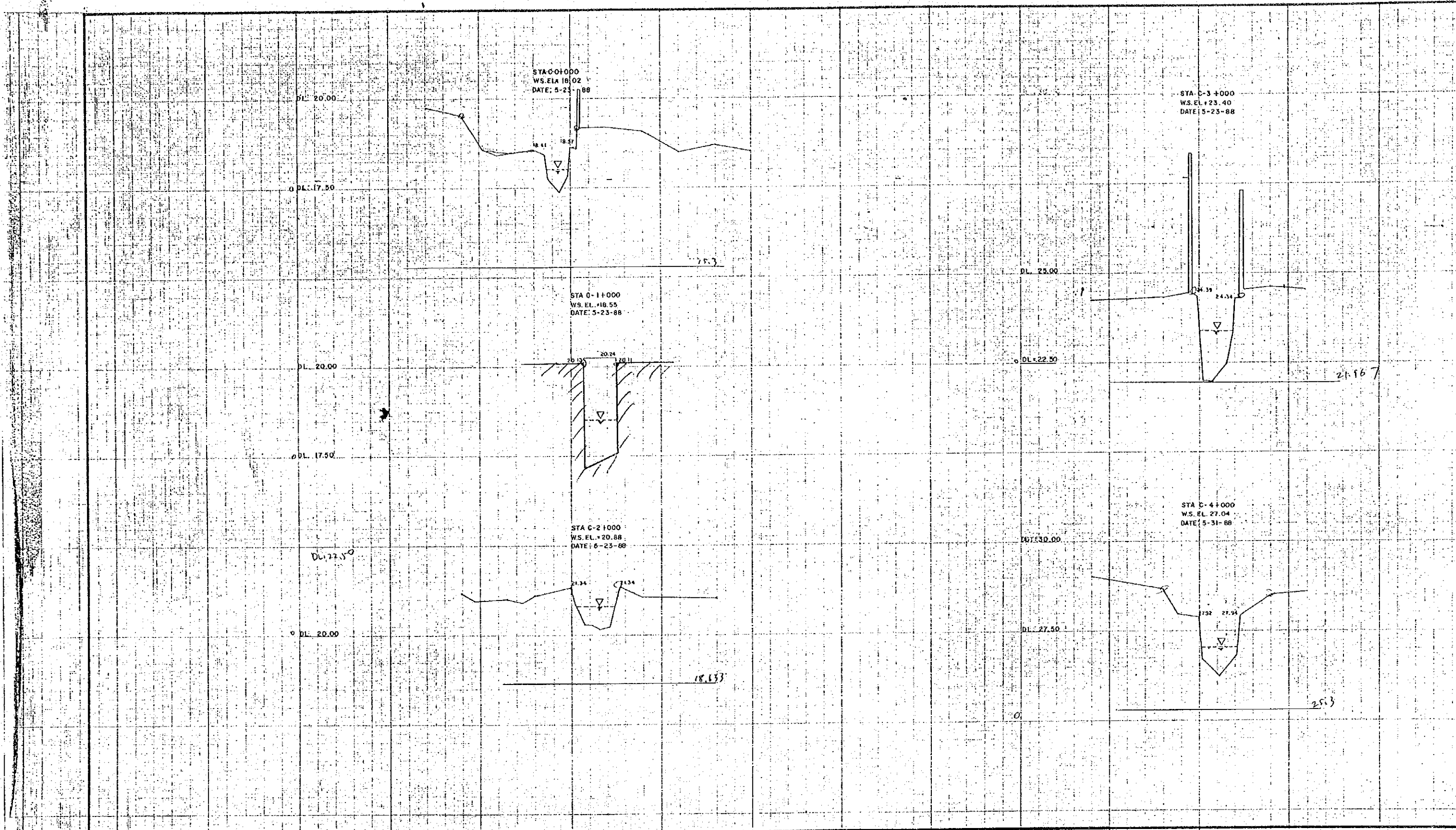
**CROSS SECTION**  
SAPANG BAHQ RIVER  
TRIBUTARY-B  
STA. 0+000 - STA. 5+000

SCALE, DRWG. NO.	
HORIZONTAL 1:250	
VERTICAL 1:50	

Masterpiece  
Printed in Japan

Masterpiece  
Printed in Japan





**ACRE SURVEYING & DEV.**

CONSULTANTS		
	DATE	SIGNATURE
SURVEYED BY:		
CHECKED BY:		
PROJECT MANAGER		

**JICA**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**

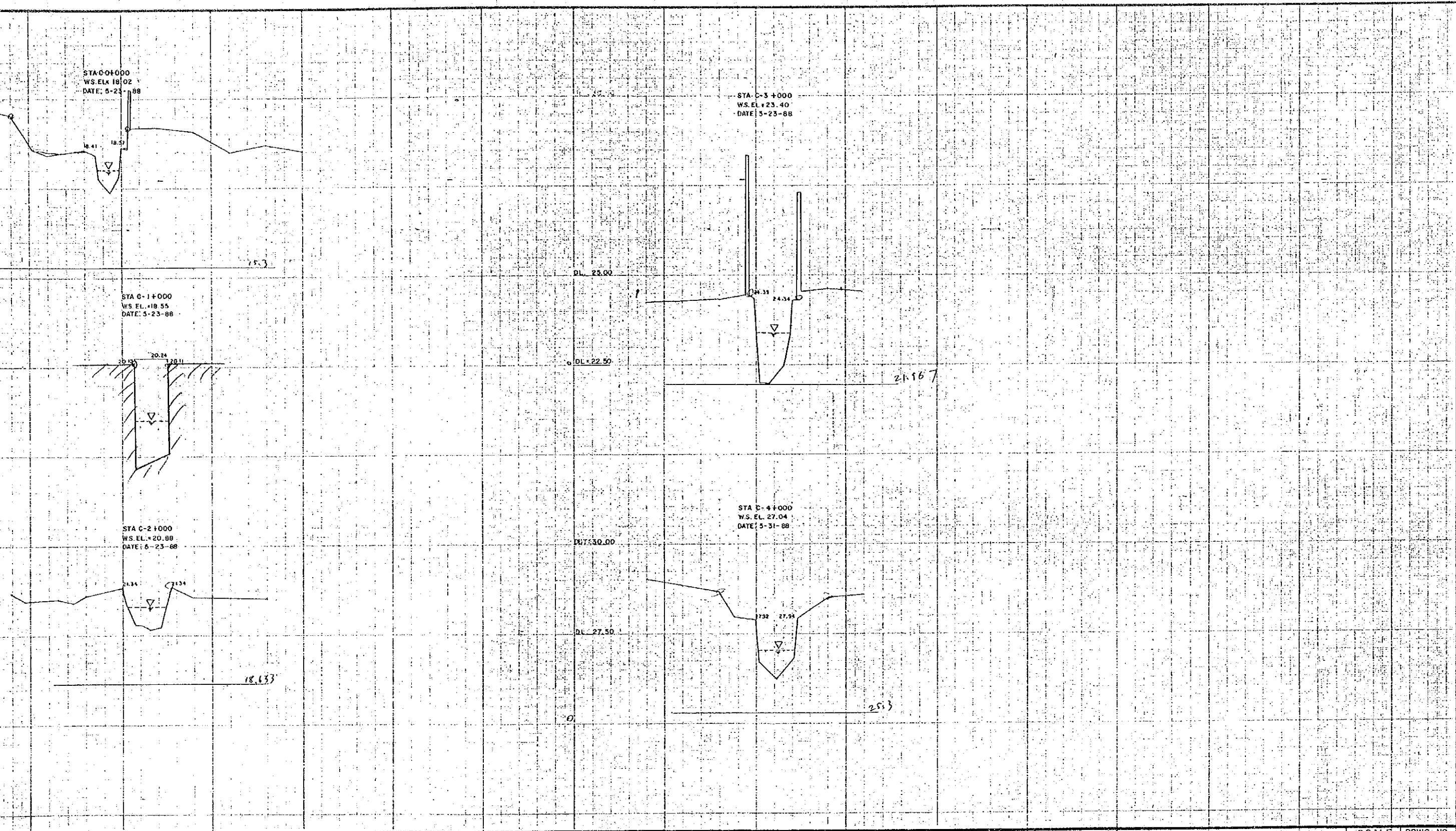
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PROJECT EXPERT:			
PROJECT LEADER:			

Max. 100 pieces  
 Printed in Japan

Max. 100 pieces  
 Printed in Japan

1/3

XYLS



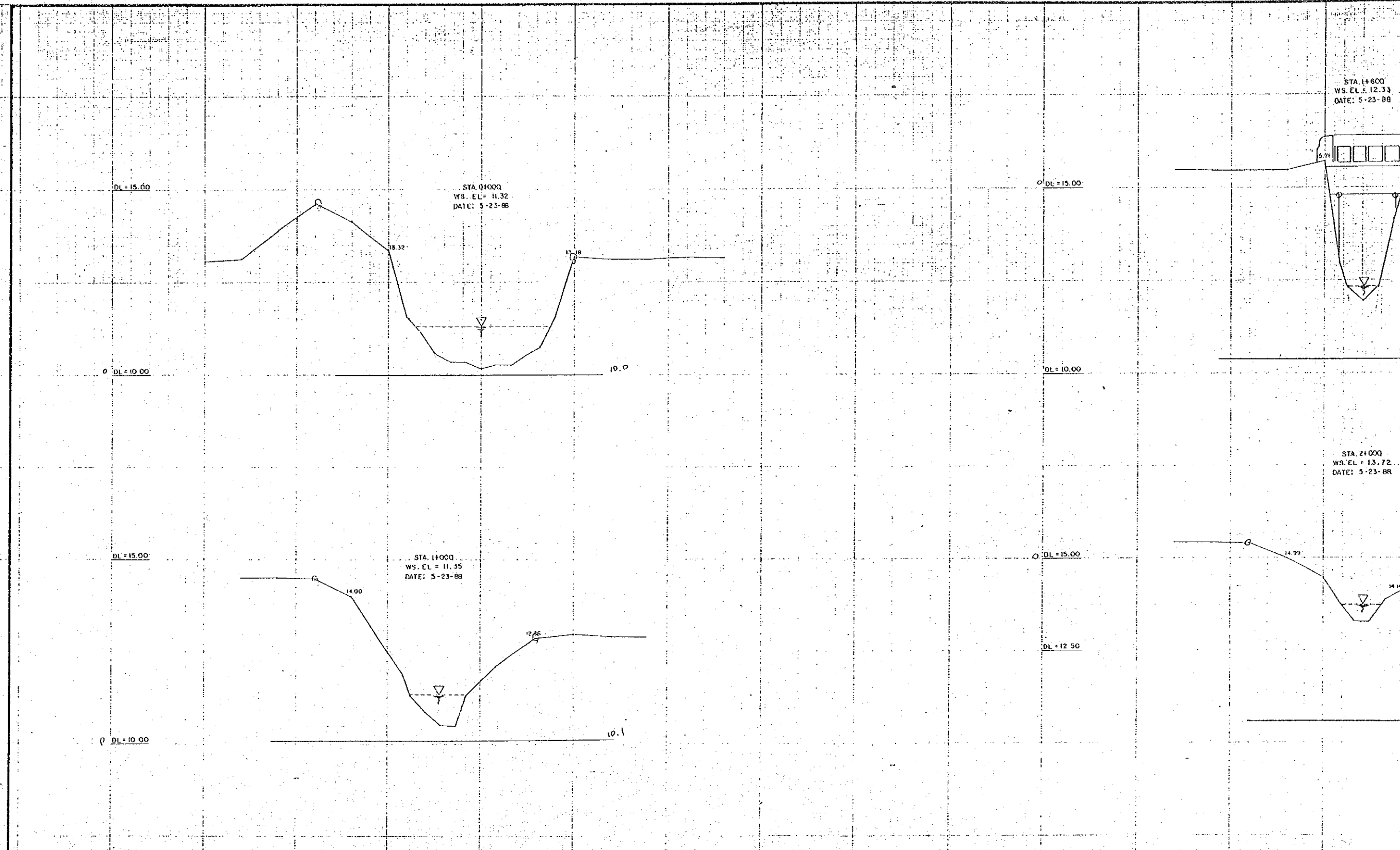
CONSULTANTS		JICA		SCALE		DRWG. NO.	
DATE	SIGNATURE	PROJECT EXPERT	DATE	SIGNATURE	HORIZONTAL	1/1	
		PROJECT LEADER			VERTICAL	1/1	
JAPAN INTERNATIONAL COOPERATION AGENCY				CROSS SECTION			
				SAPANG BAHU RIVER (TRIBUTARY-C)			
				STA. 0+000 - STA. 4+000			

Master piece  
Printed in Japan

Master piece  
Printed in Japan

Master piece  
Printed in Japan

A-8-13



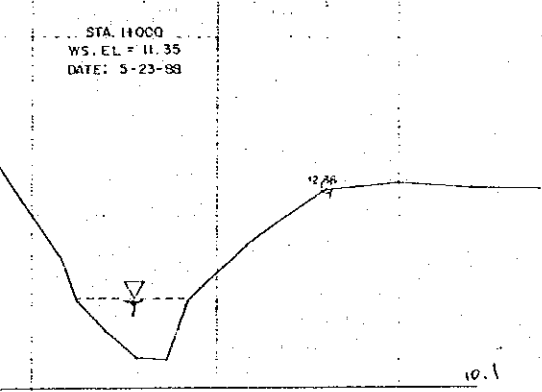
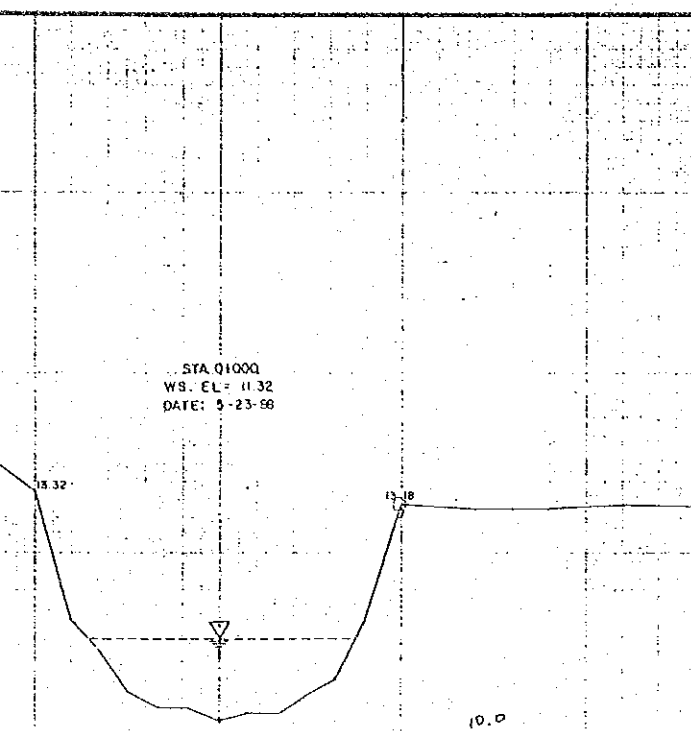
**ACRE SURVEYING & DEV.**

CONSULTANTS	
DATE	SIGNATURE

**J I C A**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**

DATE	SIGNATURE

109

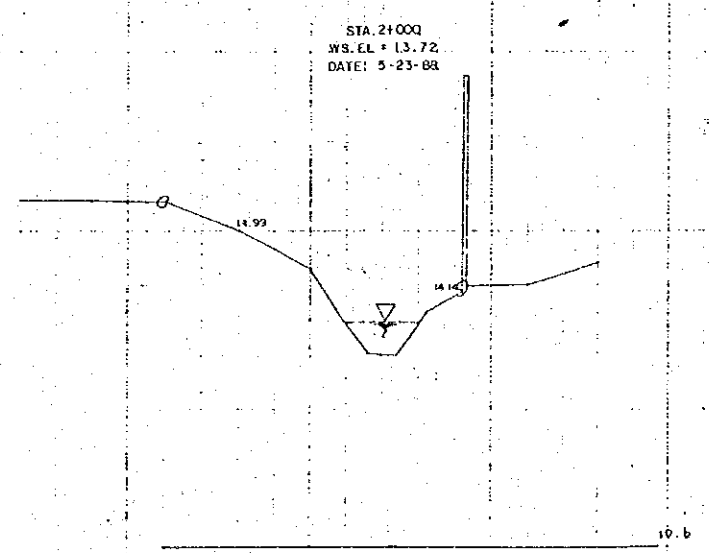
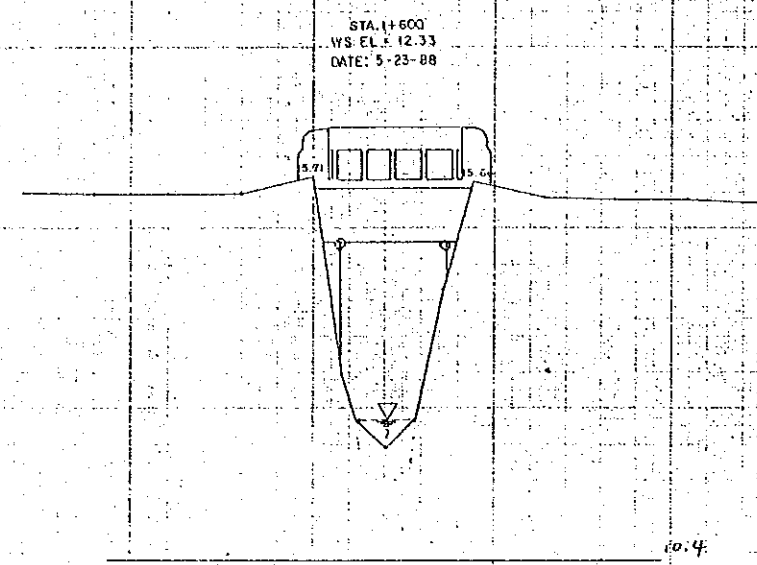


DL = 15.00

DL = 10.00

DL = 15.00

DL = 12.50



CONSULTANTS		J I C A	
DATE	SIGNATURE	DATE	SIGNATURE

JAPAN INTERNATIONAL COOPERATION AGENCY

DATE	SIGNATURE

PROJECT EXPERT  
PROJECT LEADER

CROSS SECTION  
SAPANG BULI STA. 0+000 - STA. 2+000

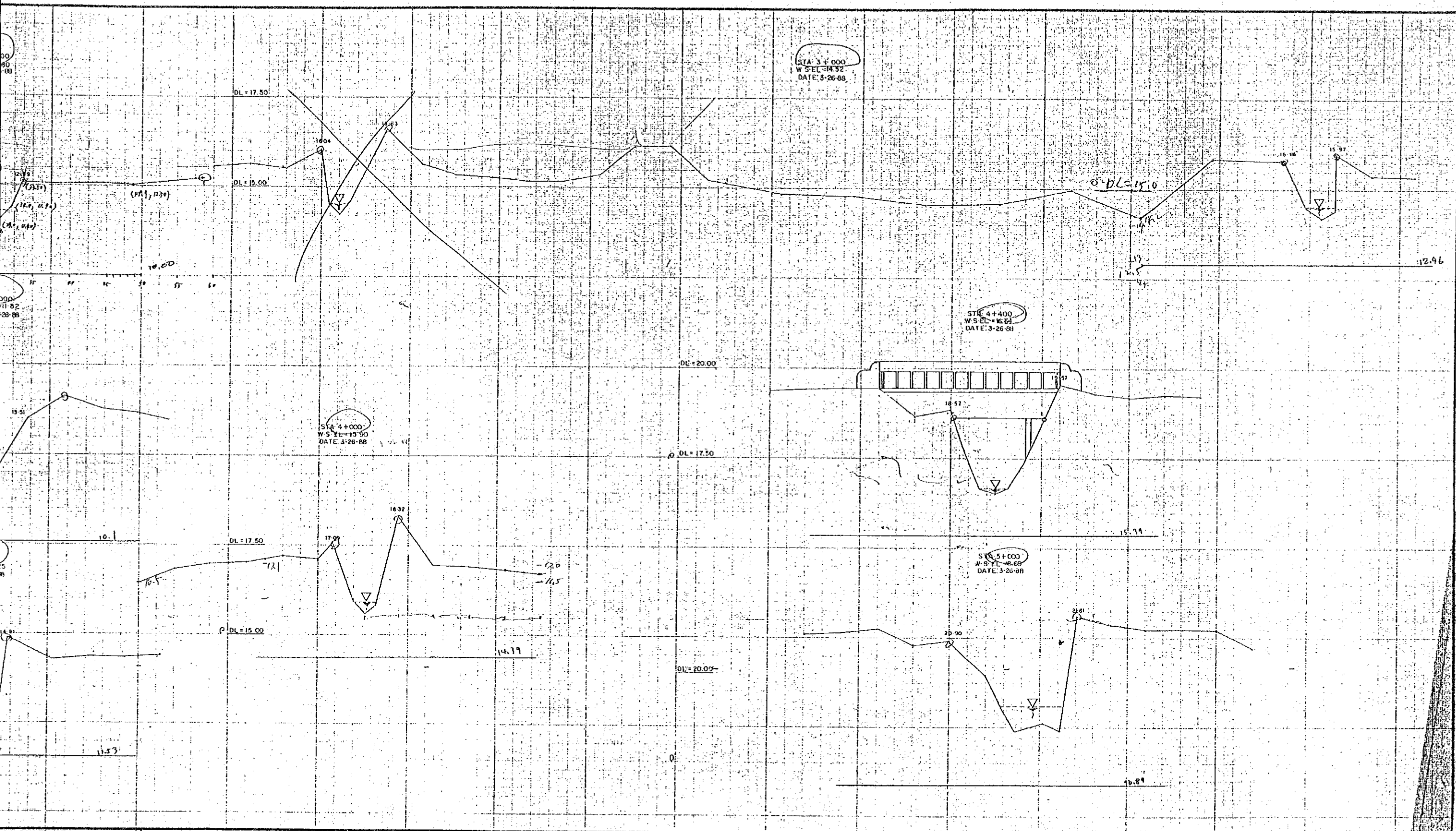
SCALE	
HORIZONTAL	1:250
VERTICAL	1:50

A-8714





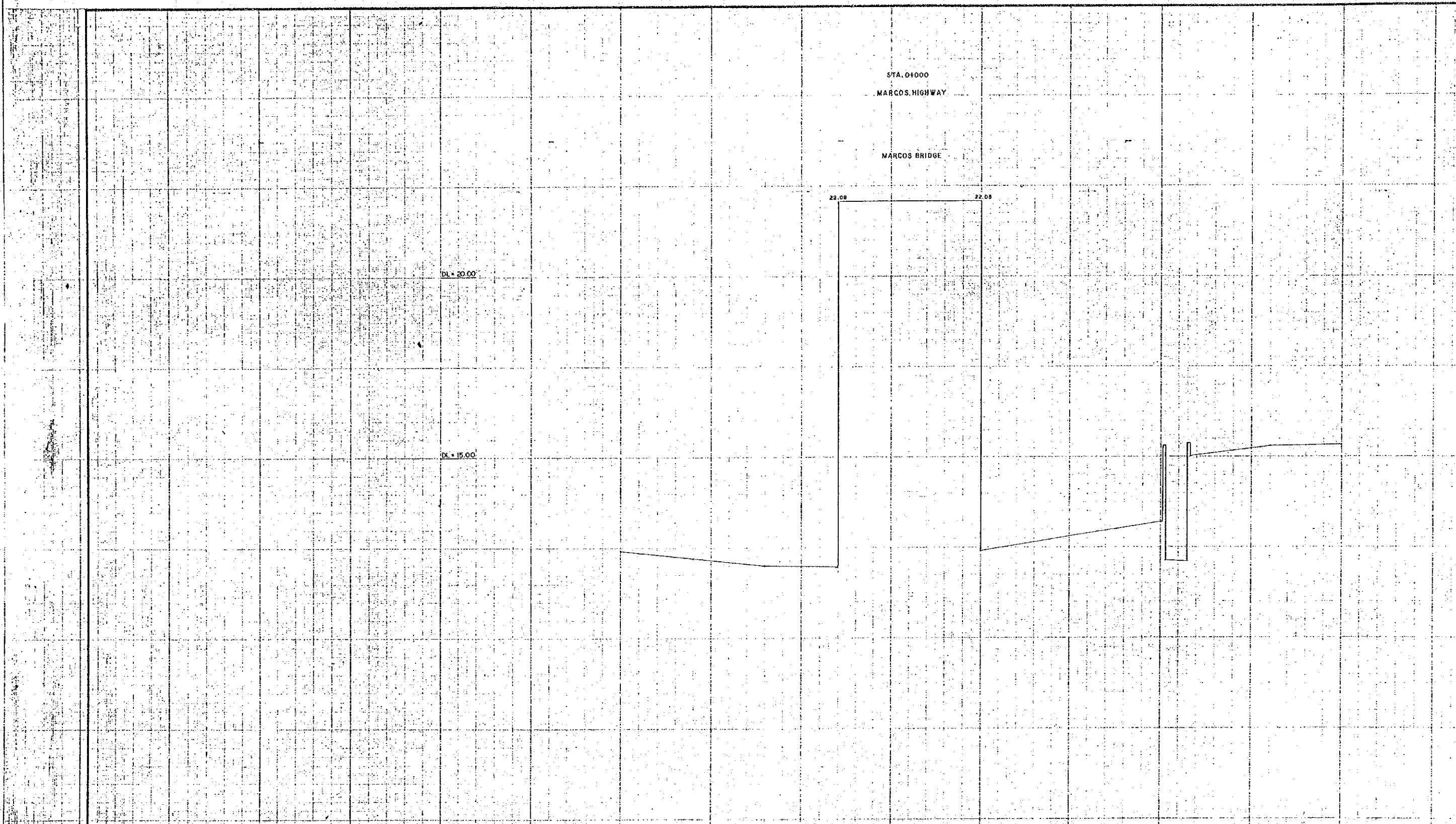





X  
Y  
6

CONSULTANTS		J I C A		CONSULTANTS		SCALE		DRWG. NO.	
DATE	SIGNATURE	JAPAN INTERNATIONAL COOPERATION AGENCY		DATE	SIGNATURE	HORIZONTAL 1:250		A-8-15	
		PROJECT EXPERT:				VERTICAL 1:50			
		PROJECT LEADER				CROSS SECTION		SAPANG MANABA RIVER STA. 0+000 - STA. 5+000	

SCALE  
HORIZONTAL  
1:250  
VERTICAL  
1:50  
A-8-15



 **ACRE SURVEYING & DEV.**

CONSULTANTS		
	DATE	SIGNATURE
SURVEYED BY		
CHECKED BY		
PROJECT MANAGER		

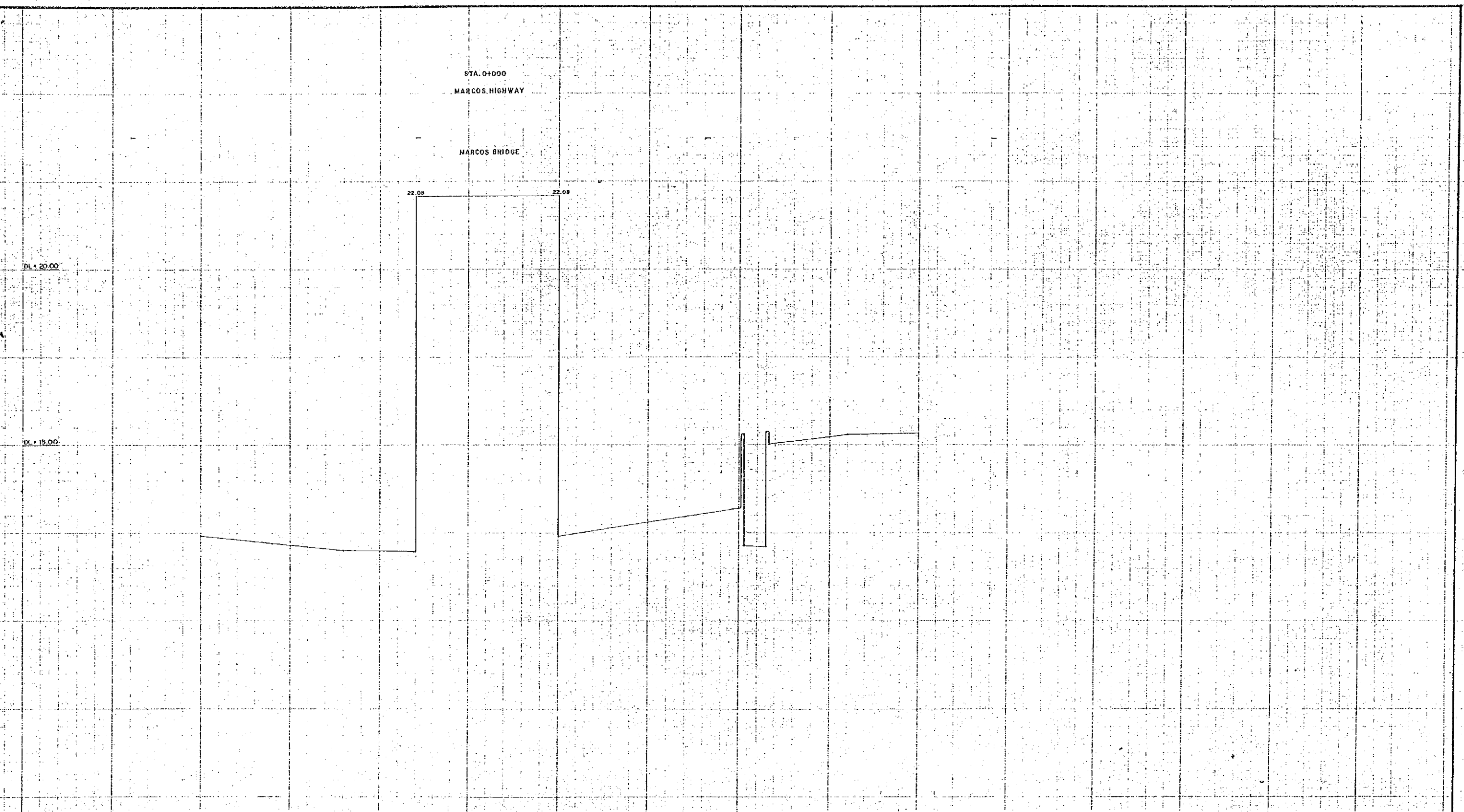
JAPAN INTERNATIONAL  
COOPERATION AGENCY

CONSULTANTS		
	DATE	SIGNATURE
PROJECT EXPERT		
PROJECT LEADER		

06

Masterpiece  
Printed in Japan

Masterpiece  
Printed in Japan



CONSULTANTS			CONSULTANTS			SCALE		DRWG. NO.
DATE	SIGNATURE		DATE	SIGNATURE		HORIZONTAL	173	
						VERTICAL		
						1:30		

JAPAN INTERNATIONAL  
COOPERATION AGENCY

CROSS SECTION

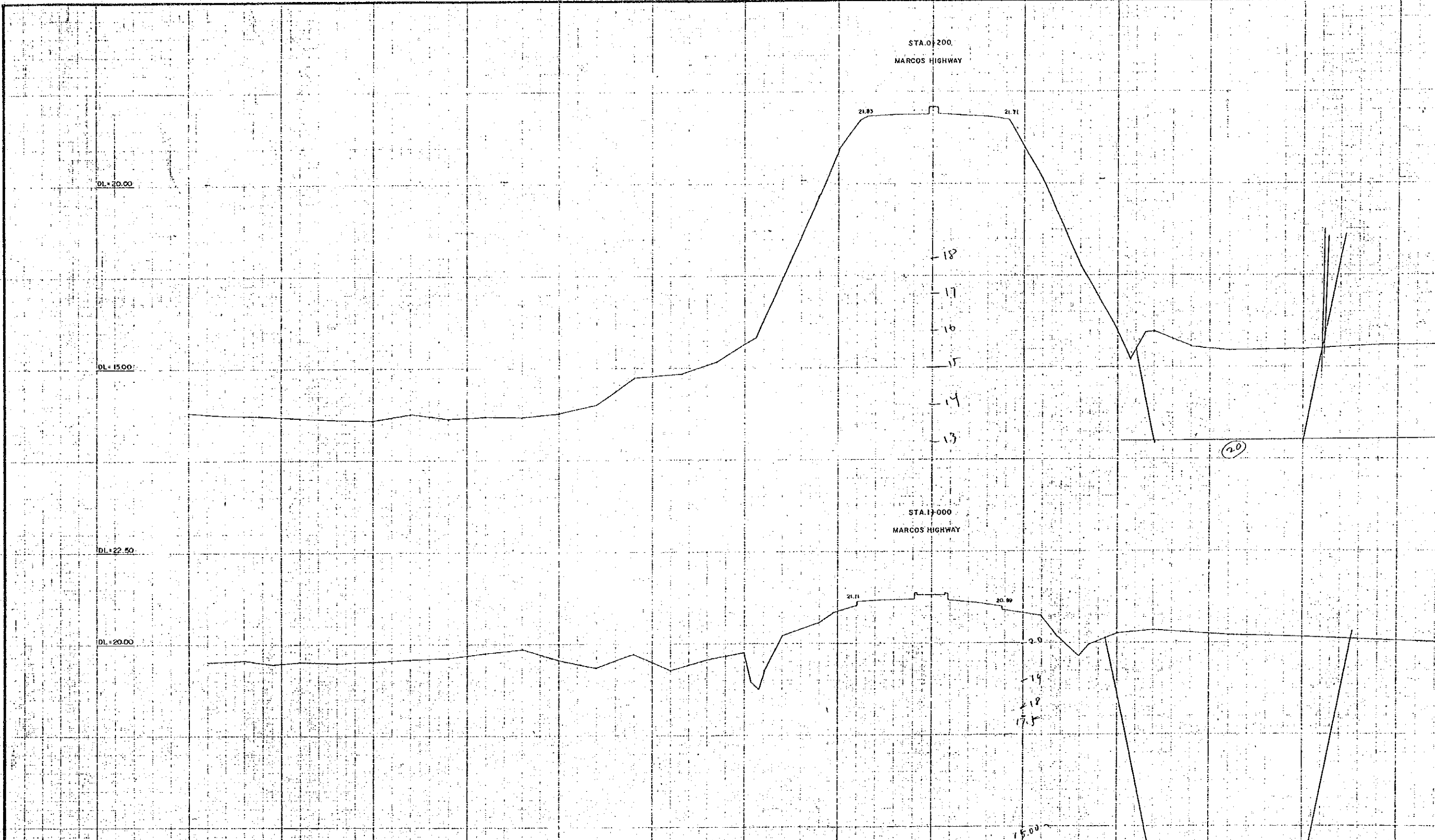
MARCOS HIGHWAY METRO ML.A. STA. 0+000-STA. 2+850

Masterpiece  
Printed in Japan

Masterpiece  
Printed in Japan

Masterpiece  
Printed in Japan  
A-8-16





**ACRE SURVEYING & DEV.**

CONSULTANTS		
DATE	SIGNATURE	
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	CHECKED BY:	
	PROJECT MANAGER:	

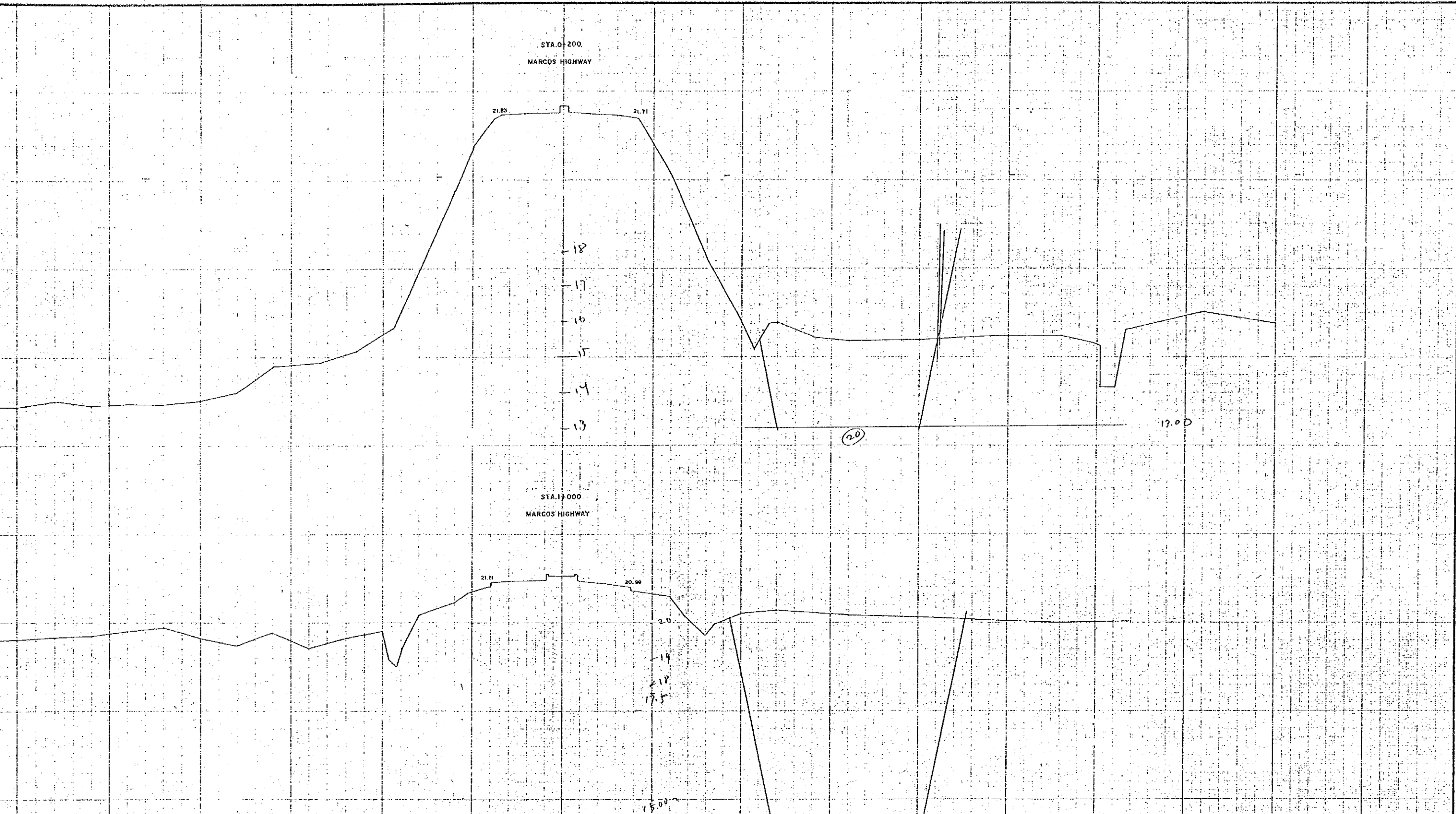
**J I C A**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**

DATE		SIGNATURE	
		PROJECT EXPERT	
		PROJECT LEADER	


Max. 1/2 piece  
 Printed in Japan

Max. 1/2 piece  
 Printed in Japan

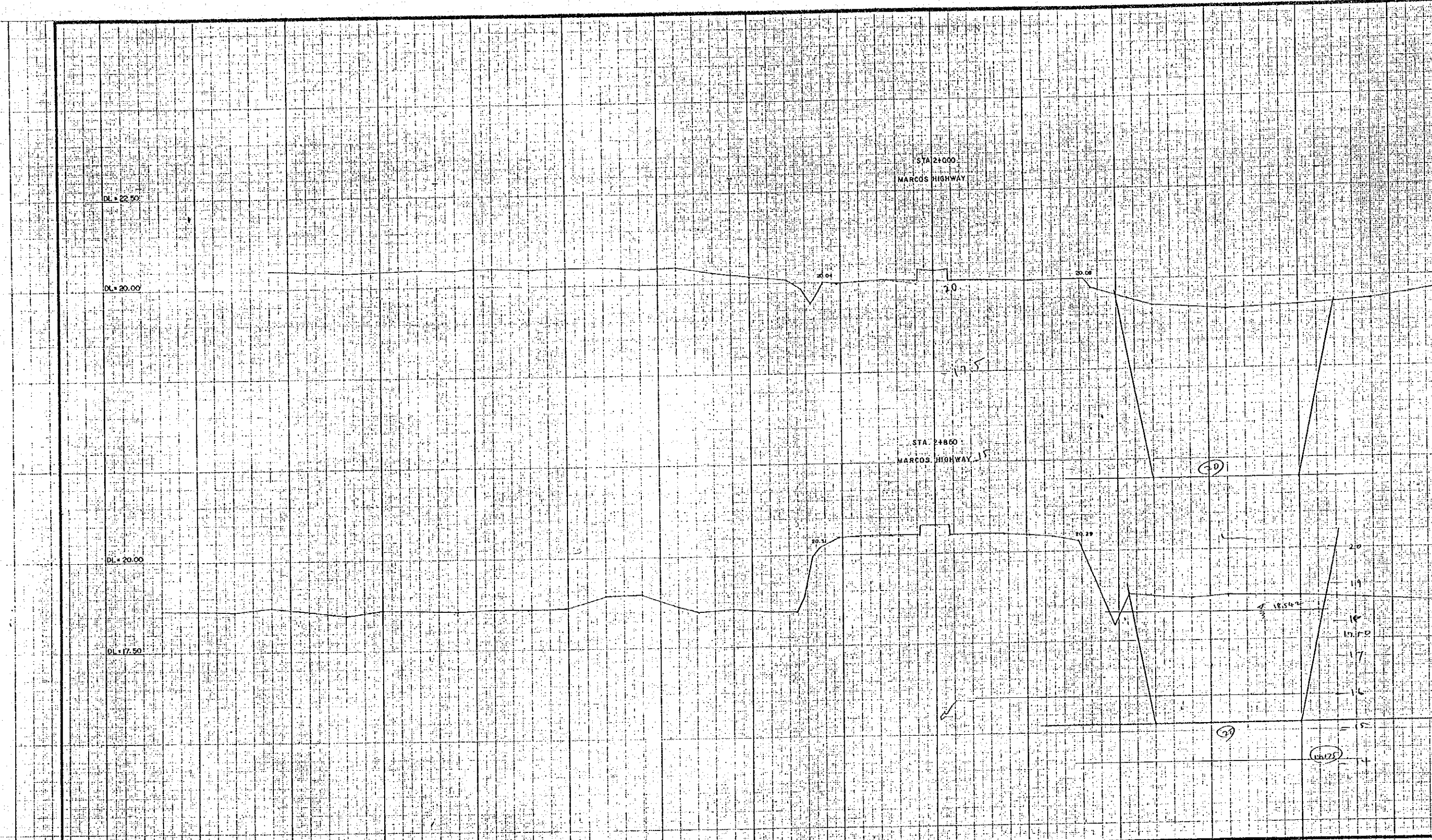
107




CONSULTANTS		J I C A		PROJECT EXPERT		DATE		SIGNATURE		SCALE		DRWG. NO.	
		JAPAN INTERNATIONAL COOPERATION AGENCY								HORIZONTAL 1:250		2/3	
										VERTICAL 1:50			
										CROSS SECTION			
										MARCOS HIGHWAY METRO M.L.A. STA. 0+000 STA. 2+850			

Made in Japan  
Printed in Japan

Made in Japan  
Printed in Japan



 <b>ACRE SURVEYING &amp; DEV.</b>	CONSULTANTS		JICA		DATE		SIGNATURE	
	SURVEYED BY:	DATE	SIGNATURE	PROJECT EXPERT	DATE	SIGNATURE		
	CHECKED BY:			PROJECT LEADER				
	PROJECT MANAGER							

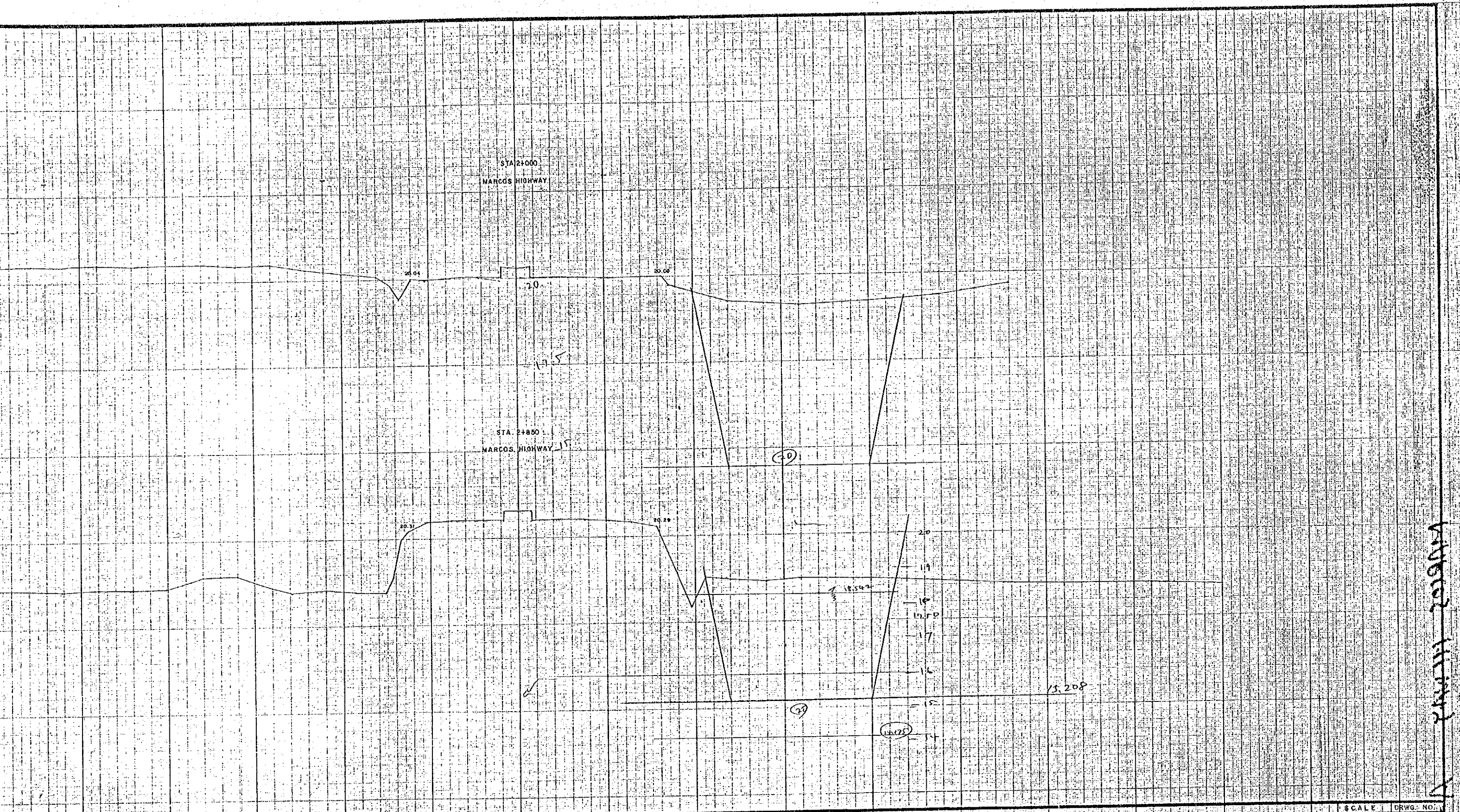
JAPAN INTERNATIONAL COOPERATION AGENCY

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Masterpiece  
Printed in Japan

108





2019/11/14  
 14:00

CONSULTANTS		J I C A		DATE		SIGNATURE		PROJECT EXPERT		DATE		SIGNATURE		PROJECT LEADER		DATE		SIGNATURE	
BY:		DATE:		DATE:		SIGNATURE:		DATE:		SIGNATURE:		DATE:		SIGNATURE:		DATE:		SIGNATURE:	
BY:																			
MANAGER																			

JAPAN INTERNATIONAL  
COOPERATION AGENCY

CROSS SECTION

SCALE DRWG. NO.  
 HORIZONTAL 1:200  
 VERTICAL 1:50  
 3/3

MARCOS HIGHWAY METRO. LA. STA. 0+000-STA. 2+800

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Masterpiece  
Printed in Japan

A-9 TULLAHAN RIVER

INDEX MAP (1 SHEET)

LONGITUDINAL PROFILE (3 SHEET)

CROSS SECTION (15 SHEET)



