

ACRE SURVEYING  
& DEVELOPMENT

Masterpiece  
Printed in Japan

CONSULTANTS

	DATE	SIGNATURE
SURVEYED BY:	Jul 26-88	<i>[Signature]</i>
CHECKED BY:	8/13/88	<i>[Signature]</i>
PROJECT MANAGER:	8/14/88	<i>[Signature]</i>



DEPARTMENT OF  
PUBLIC WORKS AND HIGHWAYS

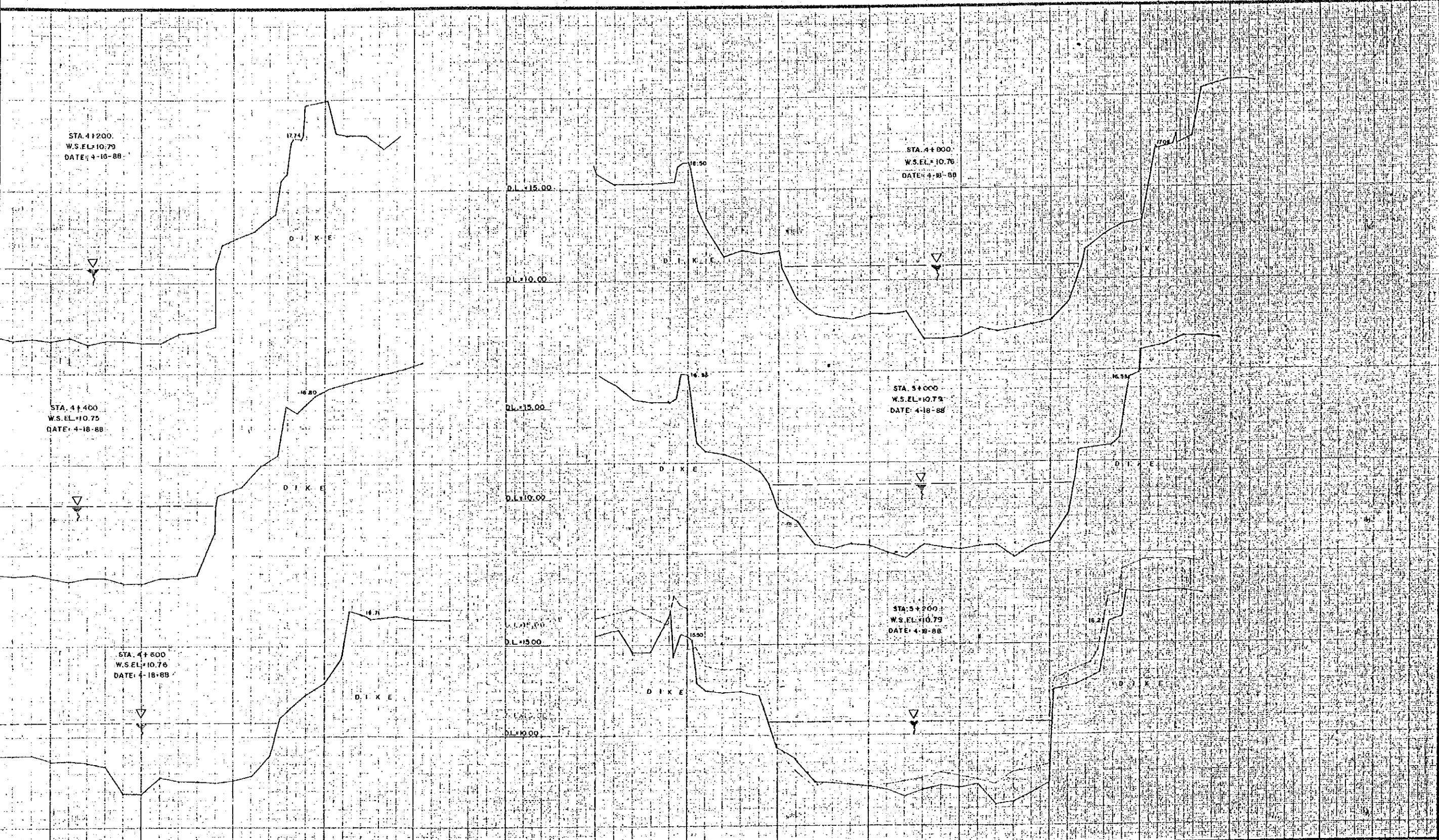
REPUBLIC OF THE PHILIPPINES

	DATE	SIGNATURE
PROJECT ENGINEER:		<i>[Signature]</i>
PROJECT MANAGER:		<i>[Signature]</i>

Masterpiece  
Printed in Japan

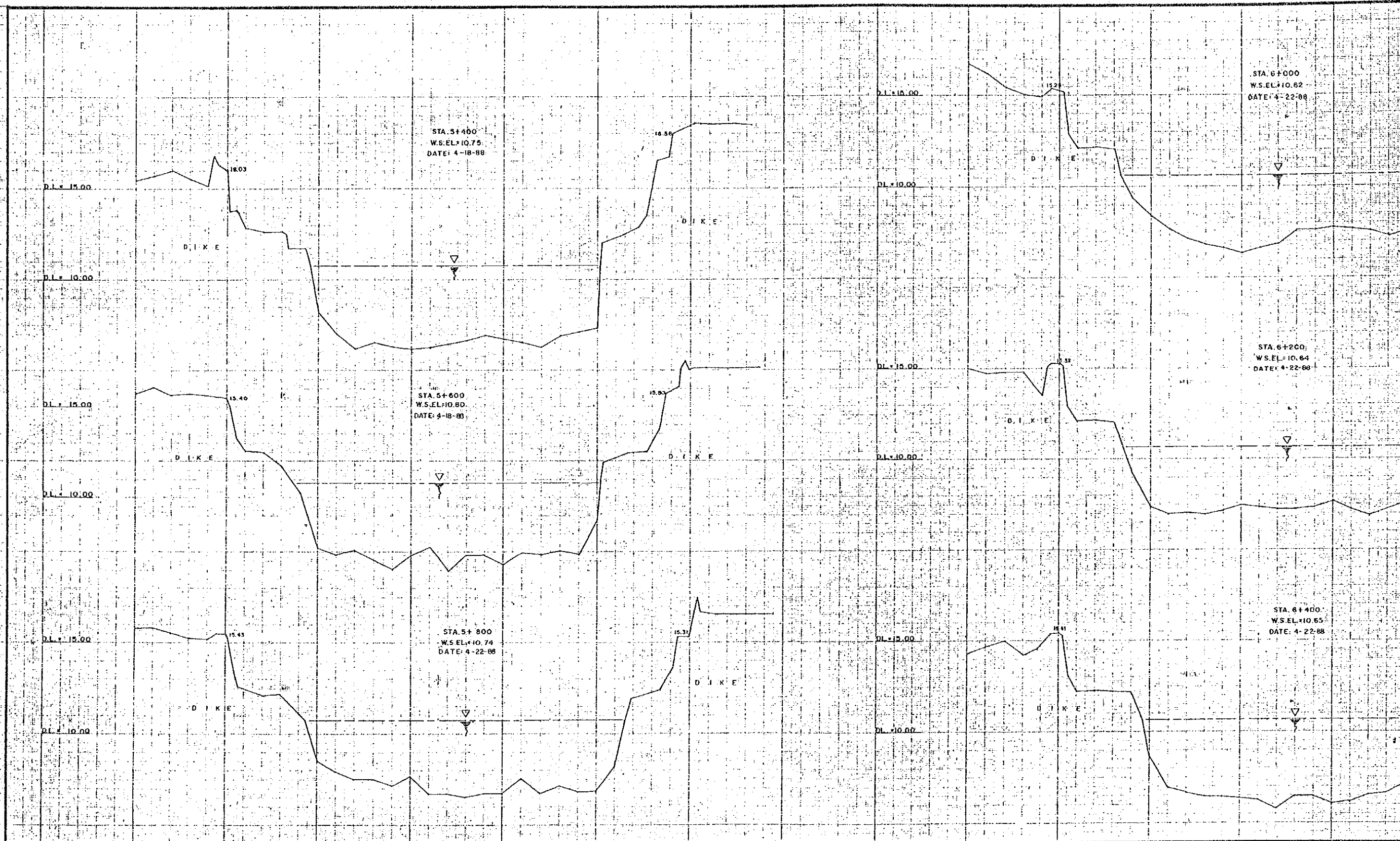
Masterpiece  
Printed in Japan

60



CONSULTANTS		REPUBLIC OF THE PHILIPPINES		DATE		SIGNATURE		SCALE		DRWG. NO.	
DATE	SIGNATURE	DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS		PROJECT ENGINEER	DATE	NONITO PANDAYAN EUGENIO BALD		HORIZONTAL	1:1000	47	
1988	<i>[Signature]</i>	DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS		PROJECT MANAGER				VERTICAL	1:100	47	
11-88	<i>[Signature]</i>	DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS								MANGGAHAN RIVER, STA. 4+200-STA. 5+200	

Masterpiece  
Printed in the Philippines



CONSULTANTS		REPUBLIC OF THE PHILIPPINES	
DATE	SIGNATURE	DATE	SIGNATURE
SURVEYED BY: 4-18-88	<i>[Signature]</i>	PROJECT ENGINEER	<i>[Signature]</i>
CHECKED BY: 4-18-88	<i>[Signature]</i>	PROJECT MANAGER	<i>[Signature]</i>
PROJECT MANAGER: 4-18-88	<i>[Signature]</i>		



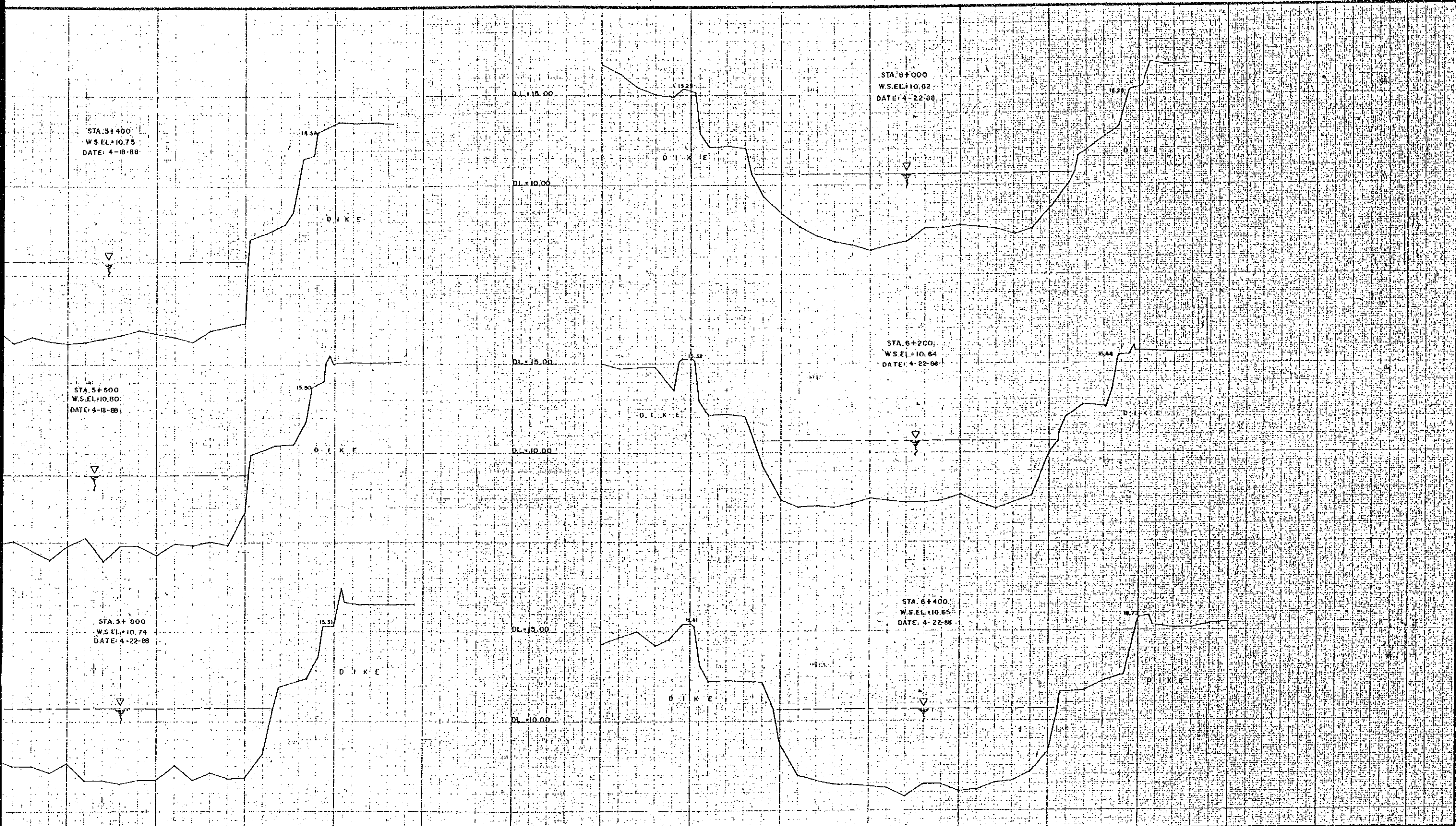
ACRE SURVEYING  
& DEVELOPMENT



DEPARTMENT OF  
PUBLIC WORKS AND HIGHWAYS

Made in Japan  
Printed in Japan

31



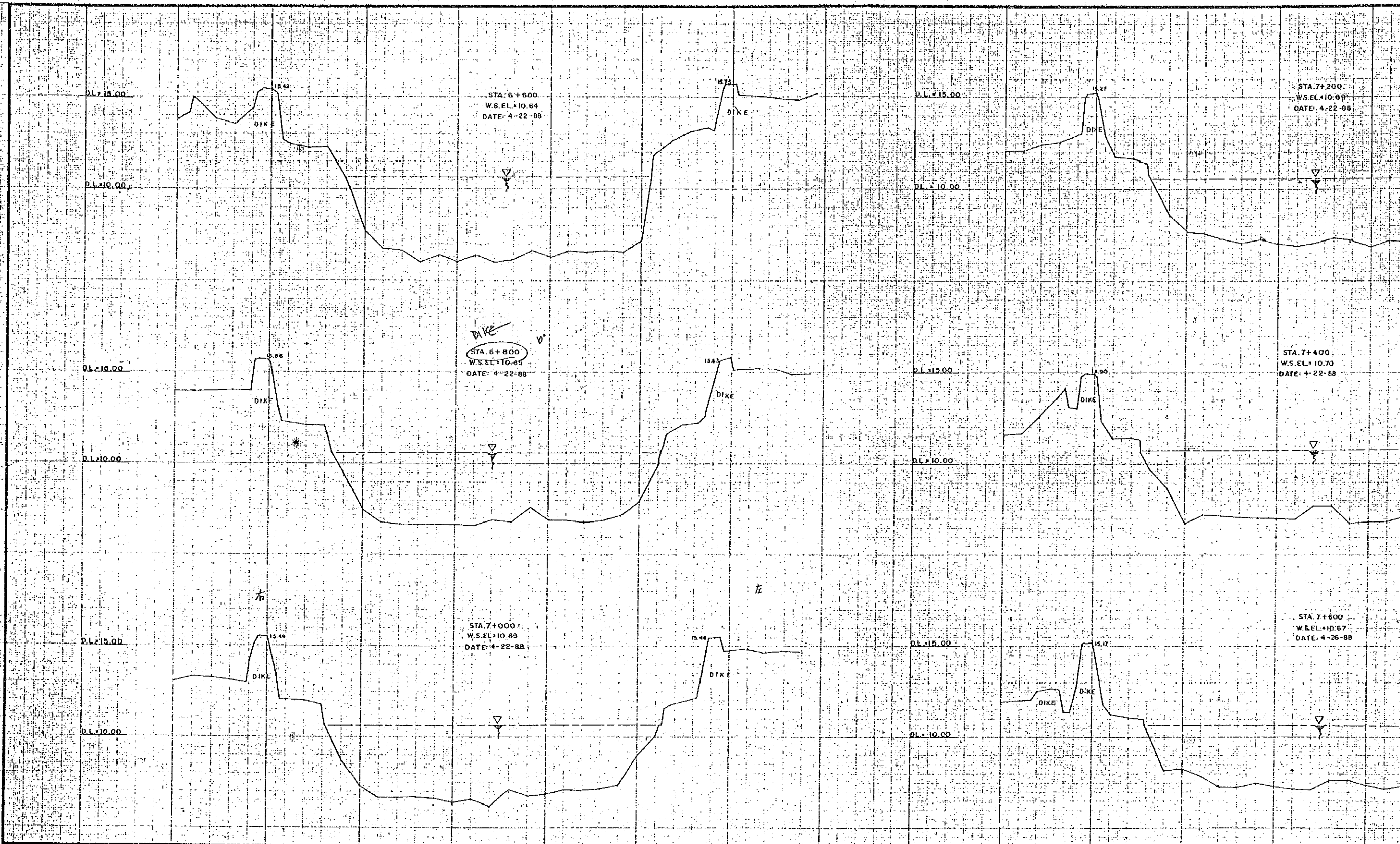
CONSULTANTS		REPUBLIC OF THE PHILIPPINES		DATE		SIGNATURE		SCALE		DRWG. NO.	
DATE	SIGNATURE	PROJECT ENGINEER	PROJECT MANAGER	DATE	SIGNATURE			HORIZONTAL	VERTICAL		
2/13/88	<i>[Signature]</i>	NONITO P. PAND	EUGENIO R. RUIBALO	4-22-88	<i>[Signature]</i>			1:100	1:100	5/7	
2/14/88	<i>[Signature]</i>										



DEPARTMENT OF  
PUBLIC WORKS AND HIGHWAYS

CROSS SECTION  
MANGAHAN RIVER STA. 5+400 - STA. 6+400

Masterpiece  
Printed in Copak



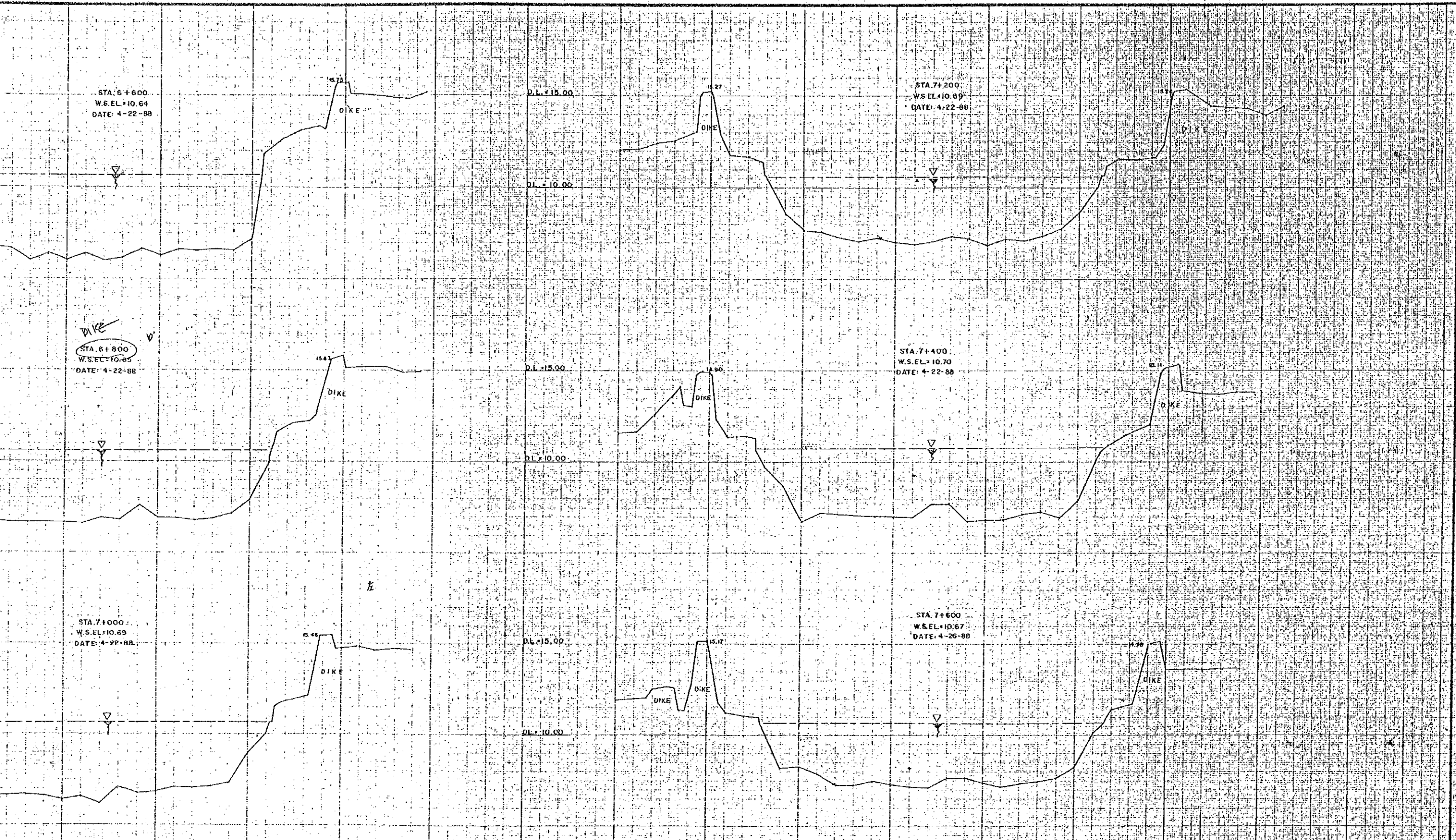
ACRE SURVEYING  
& DEVELOPMENT

CONSULTANTS		
DATE	SIGNATURE	
SURVEYED BY: Jul 20 88	<i>[Signature]</i>	
CHECKED BY: 8-1-88	<i>[Signature]</i>	
PROJECT MANAGER: 8-14-88	<i>[Signature]</i>	

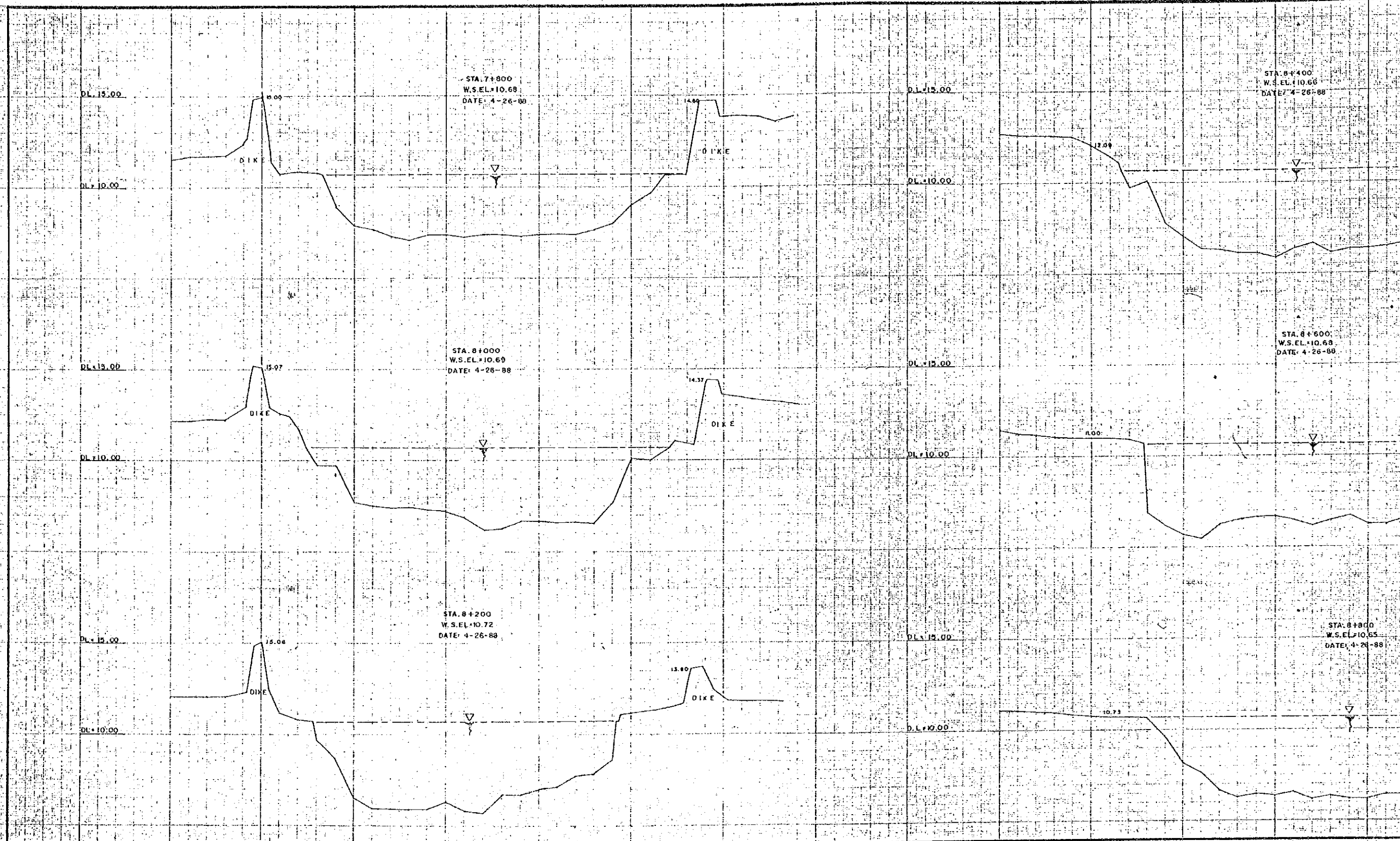


REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF  
PUBLIC WORKS AND HIGHWAYS

REPUBLIC OF THE PHILIPPINES	
DATE	SIGNATURE
PROJECT ENGINEER	<i>[Signature]</i>
PROJECT MANAGER	<i>[Signature]</i>



DATE		SIGNATURE		REPUBLIC OF THE PHILIPPINES		DATE		SIGNATURE		SCALE		DRWG. NO.	
4-22-88		<i>Charles...</i>		DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS		4-26-88		<i>NONITO...</i>		CROSS SECTION		HORIZONTAL 1" = 100'	6/7
4-22-88		<i>[Signature]</i>						<i>EUGENE...</i>		MANGAHAN RIVER STA. 6+600-STA. 7+600		VERTICAL 1" = 10'	



AGRE SURVEYING  
& DEVELOPMENT

CONSULTANTS		
	DATE	SIGNATURE
SURVEYED BY:	Jul 26 88	<i>Charles M. Agre</i>
CHECKED BY:	8/12/88	<i>[Signature]</i>
PROJECT MANAGER:	8/14/88	<i>[Signature]</i>

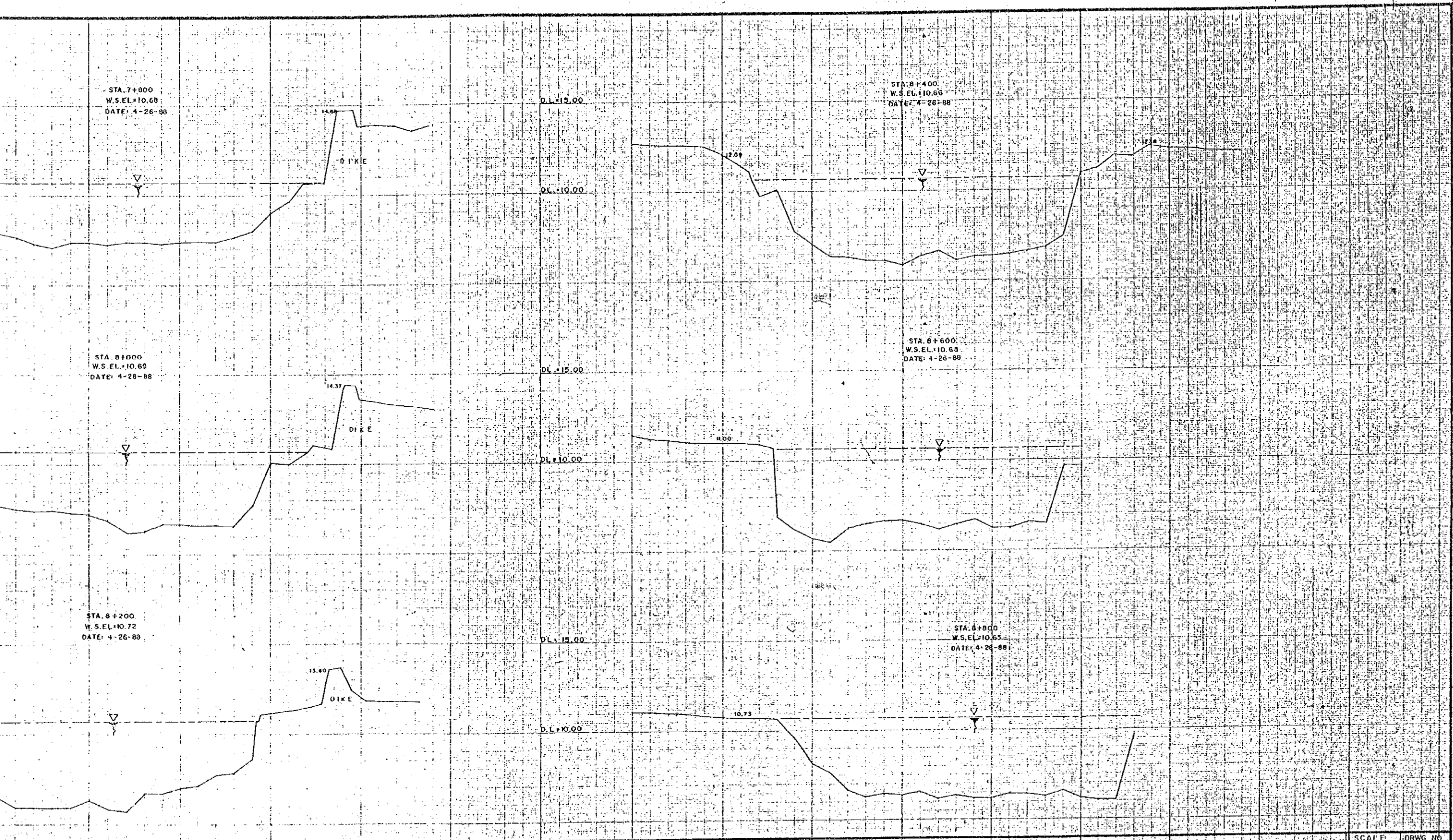


REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF  
PUBLIC WORKS AND HIGHWAYS

	DATE	SIGNATURE
PROJECT ENGINEER		<i>[Signature]</i>
PROJECT MANAGER		<i>[Signature]</i>

Masterpiece  
Printed in Japan

Scale: 1:1 piece



CONSULTANTS		REPUBLIC OF THE PHILIPPINES		DATE		SIGNATURE		SCALE		DRWG NO.	
DATE	SIGNATURE	PROJECT ENGINEER	PROJECT MANAGER	DATE	SIGNATURE			HORIZONTAL	1:1000		
8-12-88	<i>[Signature]</i>				<i>[Signature]</i>			VERTICAL	1:100		
8-14-88	<i>[Signature]</i>				<i>[Signature]</i>						



DEPARTMENT OF  
 PUBLIC WORKS AND HIGHWAYS

PROJECT ENGINEER  
 PROJECT MANAGER

CROSS SECTION  
 HANGGAHAN RIVER STA. 7+800 - STA. 8+800

Must be piece  
 Printed in Manila

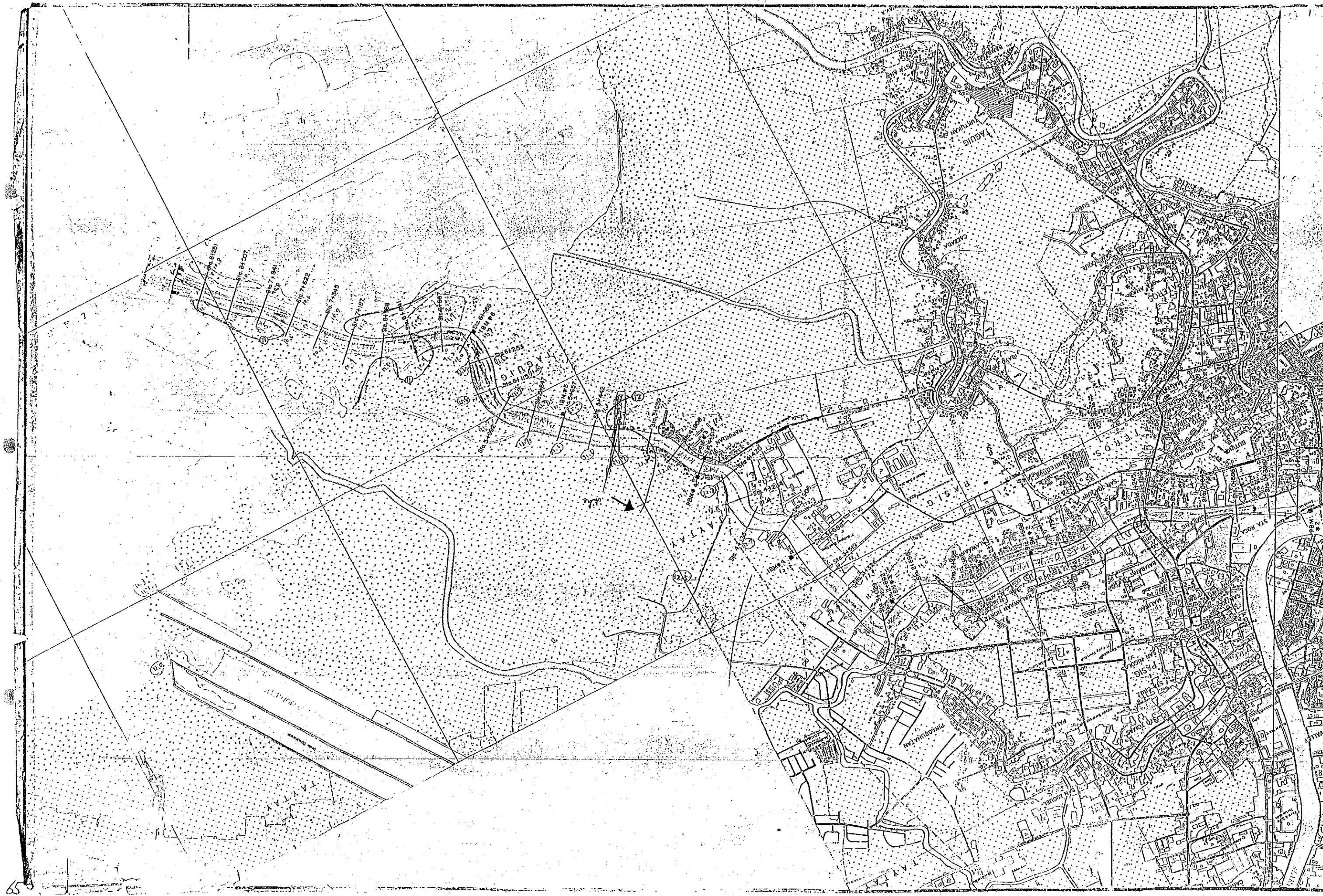


A-6 NAPINDAN RIVER

INDEX MAP (1 SHEET)

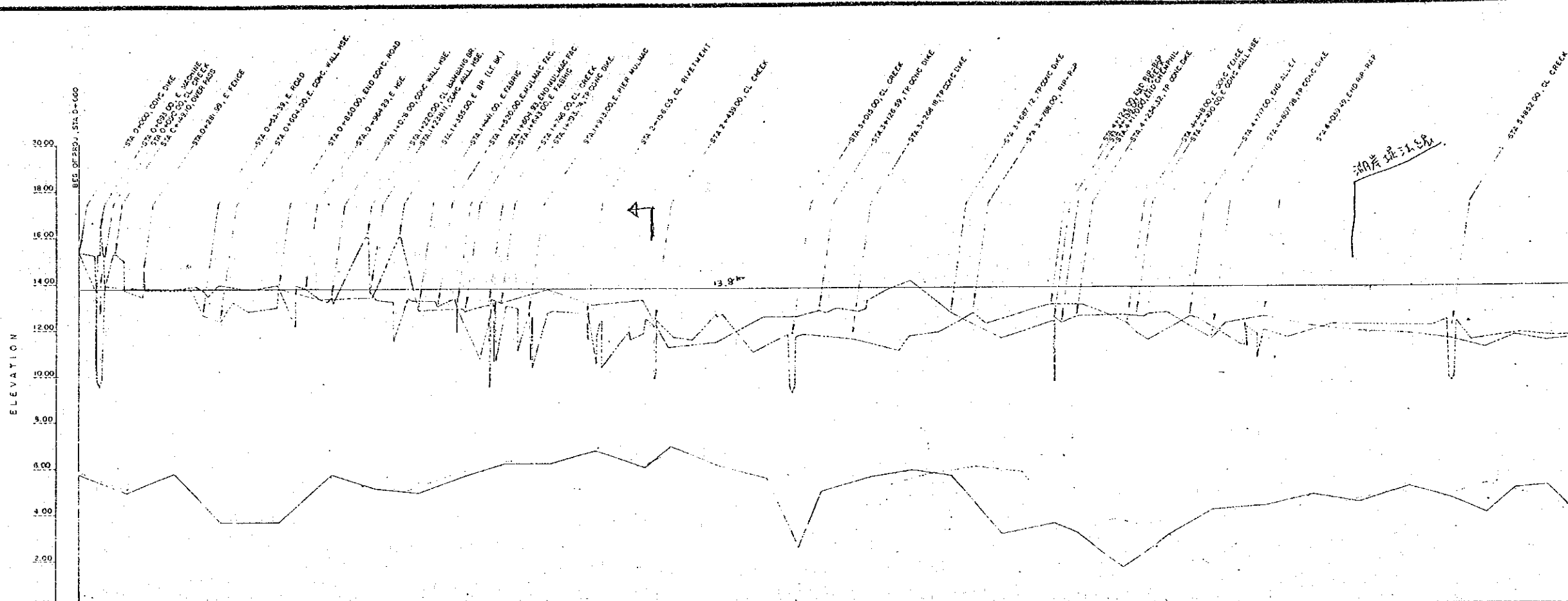
LONGITUDINAL PROFILE (1 SHEET)

CROSS SECTION (8 SHEET)



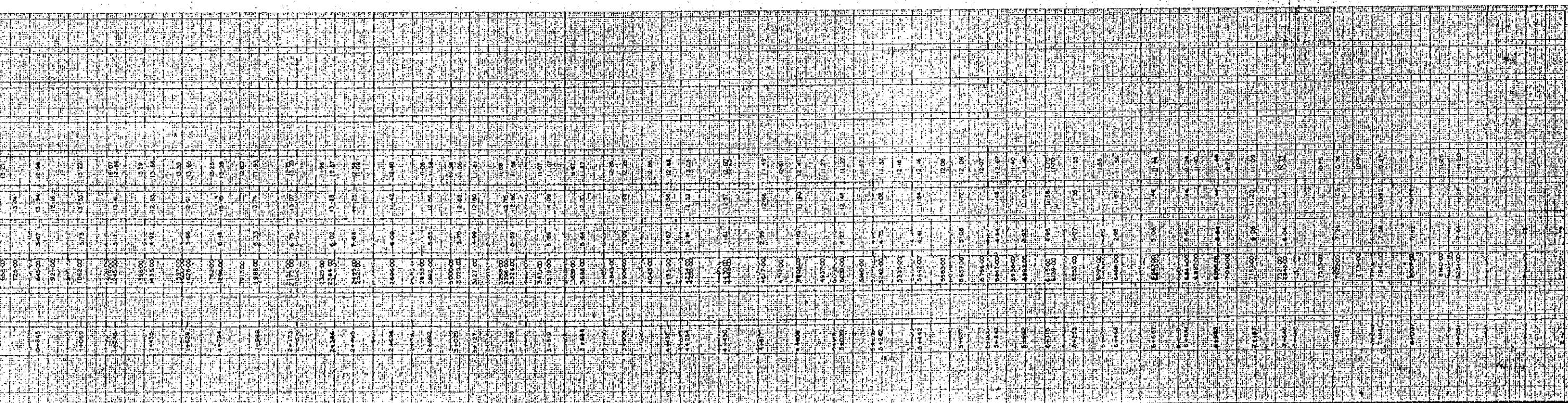
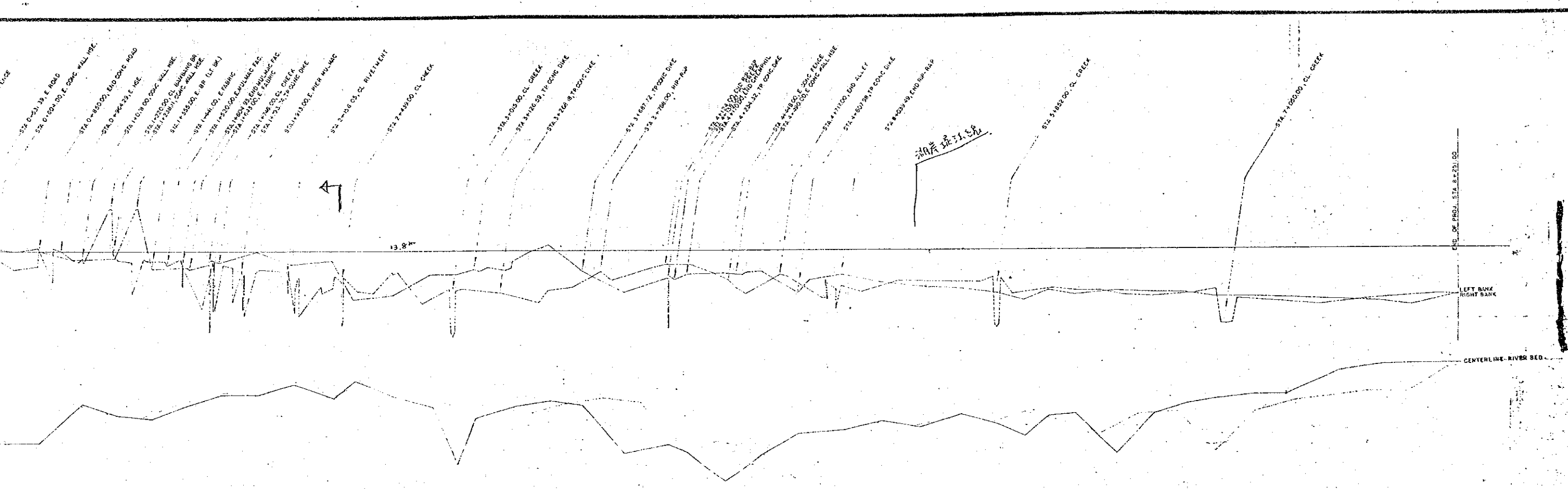


# NAPINDAN RIVER

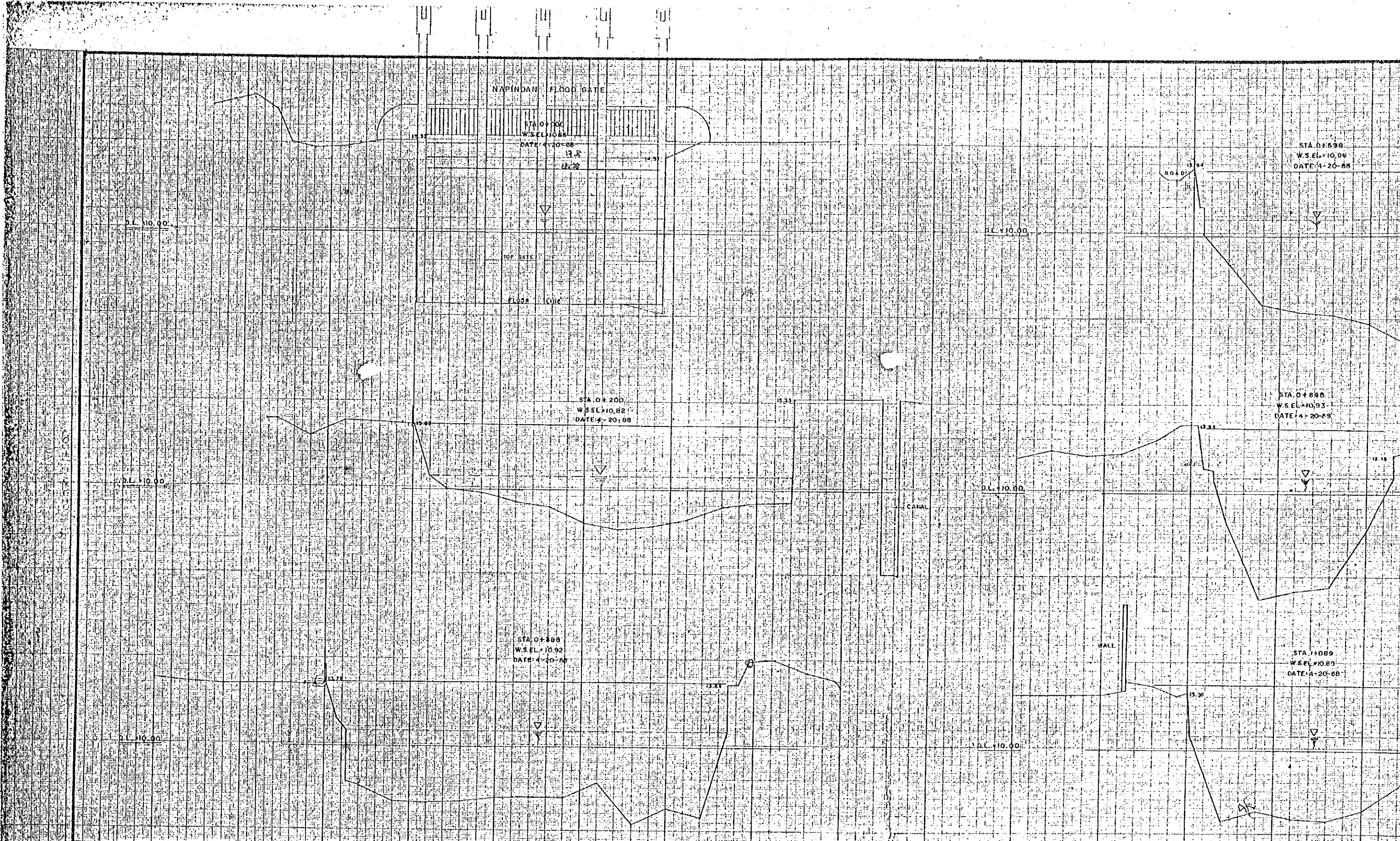


STATION NO.	EXISTING ELEVATION		PROPOSED ELEVATION	
	RIVER BED	RIGHT LEVEE	RIVER BED	HIGH WATER LEVEL
0+00	8.80	11.50	8.80	11.50
0+25	8.80	11.50	8.80	11.50
0+50	8.80	11.50	8.80	11.50
0+75	8.80	11.50	8.80	11.50
1+00	8.80	11.50	8.80	11.50
1+25	8.80	11.50	8.80	11.50
1+50	8.80	11.50	8.80	11.50
1+75	8.80	11.50	8.80	11.50
2+00	8.80	11.50	8.80	11.50
2+25	8.80	11.50	8.80	11.50
2+50	8.80	11.50	8.80	11.50
2+75	8.80	11.50	8.80	11.50
3+00	8.80	11.50	8.80	11.50
3+25	8.80	11.50	8.80	11.50
3+50	8.80	11.50	8.80	11.50
3+75	8.80	11.50	8.80	11.50
4+00	8.80	11.50	8.80	11.50
4+25	8.80	11.50	8.80	11.50
4+50	8.80	11.50	8.80	11.50
4+75	8.80	11.50	8.80	11.50
5+00	8.80	11.50	8.80	11.50
5+25	8.80	11.50	8.80	11.50
5+50	8.80	11.50	8.80	11.50
5+75	8.80	11.50	8.80	11.50
6+00	8.80	11.50	8.80	11.50
6+25	8.80	11.50	8.80	11.50
6+50	8.80	11.50	8.80	11.50
6+75	8.80	11.50	8.80	11.50
7+00	8.80	11.50	8.80	11.50
7+25	8.80	11.50	8.80	11.50
7+50	8.80	11.50	8.80	11.50
7+75	8.80	11.50	8.80	11.50
8+00	8.80	11.50	8.80	11.50
8+25	8.80	11.50	8.80	11.50
8+50	8.80	11.50	8.80	11.50
8+75	8.80	11.50	8.80	11.50
9+00	8.80	11.50	8.80	11.50
9+25	8.80	11.50	8.80	11.50
9+50	8.80	11.50	8.80	11.50
9+75	8.80	11.50	8.80	11.50
10+00	8.80	11.50	8.80	11.50

<b>ACRE SURVEYING &amp; DEVELOPMENT</b>	SURVEYED BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i> PROJECT MANAGER: <i>[Signature]</i>	DATE: 8/13/88 SIGNATURE: <i>[Signature]</i>	<b>DEPARTMENT OF PUBLIC WORKS &amp; HIGHWAYS</b>	PROJECT ENGINEER: <i>[Signature]</i> PROJECT MANAGER: <i>[Signature]</i>	DATE: <i>[Signature]</i> SIGNATURE: <i>[Signature]</i> ENGINEER: <i>[Signature]</i>
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DATE	SIGNATURE	<p>DEPARTMENT OF PUBLIC WORKS &amp; HIGHWAYS</p>	PROJECT ENGINEER	<p>MONITO P. MACALINO EDGARDO MACALINO</p>	<p>PLAN AND PROFILE</p> <p>HARINDAN RIVER STA 0+00 - STA 10+00</p>	SCALE	DRWD. NO.
BY			PROJECT MANAGER			HORIZONTAL	
MANAGER						VERTICAL	



**ACRE SURVEYING  
& DEVELOPMENT**

Masterpiece  
Printed in Japan

CONSULTANTS		
SURVEYED BY	DATE	SIGNATURE
Checked by	8/13/88	<i>[Signature]</i>
CHECKED BY		
PROJECT MANAGER	1/14/88	<i>[Signature]</i>



REPUBLIC OF THE PHILIPPINES  
**DEPARTMENT OF  
PUBLIC WORKS AND HIGHWAYS**

Masterpiece  
Printed in Japan

DATE	SIGNATURE
	<i>[Signature]</i>
	<i>[Signature]</i>

PROJECT ENGINEER  
PROJECT MANAGER

DATE SIGNATURE  
PROJECT ENGINEER  
PROJECT MANAGER

Masterpiece  
Printed in Japan