

COMMISSIONERATE OF ENGINEERING AFFAIRS \*\*
NATIONAL CAPITAL KHARTOUM\*\*

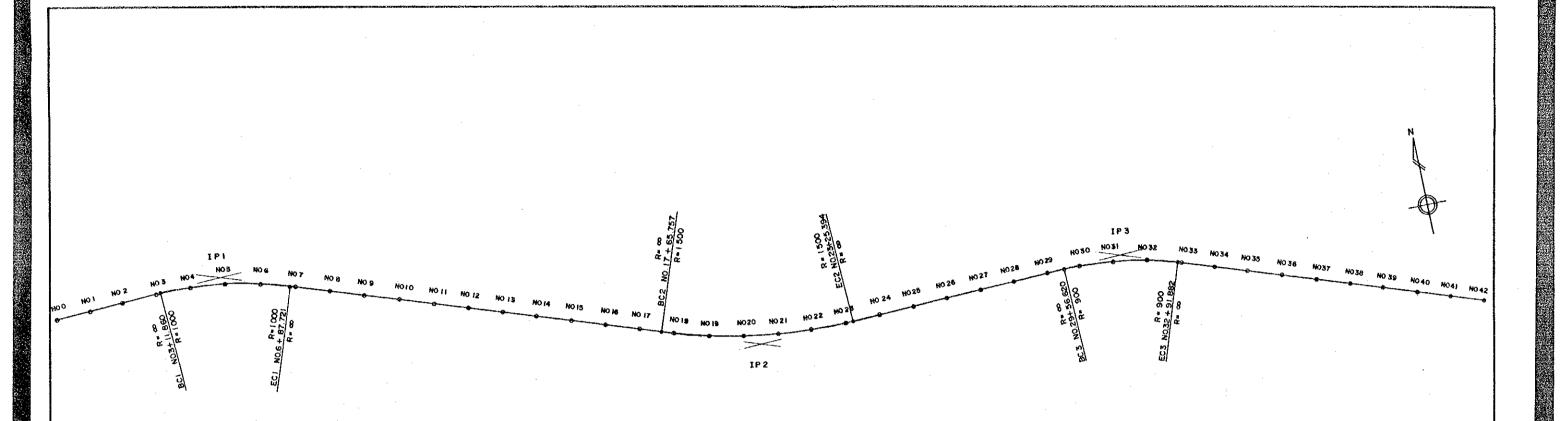
THE FEASIBILITY STUDY
ON
THE CONSTRUCTION OF THE NEW WHITE NILE BRIDGE
IN
THE REPUBLIC OF THE SUDAN

JAPAN INTERNATIONAL COOPERATION AGENCY

TRAVERSE GUIDE

DATE SHEET NO.

JANUARY, 1920 13/32



STATION		COORDINATION		
NUMBER		X (m)	Y (m)	
NO	0	1,725,316.000	442,932.000	
NO	1	1,725 ,321.042	443,031,873	
NO	2	1,725,326.084	443,131.746	
NO	3	1,725,331.126	443,231.618	
ВC	ı	1,725,331.724	443,243.463	
NO	4	1,725, 332. 289	443,331.565	
NO	5	1,725,323.534	443,431.139	
NO	6	1,725,304.882	443,529.342	
EC	ì	1,725, 280. 513	443,613.590	
NO	7	1,725 ,276 . 587	443,625 221	
NO	8	1,725,244.617	443,719.976	
NO	9	1,725,217.646	443, 814. 728	
NO	10	1,725, 180. 675	443, 909. 479	
NO	11	1,725,148.705	444,004.231	
NO	15	1,725,116.734	444,098.983	
NO	13	1,725,084.764	444, 193. 734	
NO	14	1,725,052.793	444, 288. 486	
NO	15	1,725,020.822	44 4, 383. 238	
NO	16	1,724,988.852	444,477.989	
NO	17	1,724,956. 881	444,572.741	
ВC	\$	1,724,935.858	444,635.047	

STATION COORDINATION			
STATION	<del></del>		
NUMBER	X (m)	Y (m)	
NO 18	1,724,925.274	444,667.602	
NO 19	1,724,898.677	444, 763.981	
NO 20	1,724,878.560	444,861.918	
NO 21	1,724,865.012	444, 960. 977	
NO 22	1,724,858.093	445,060.719	
NO 23	1,724,857 834	445, 160.700	
EC 3	1,724,658. 637	445, 186.087	
NO 24	1,724,862 392	445,260.608	
NO 25	1,724,867. 158	445,360.495	
NO 26	1,724,871.923	445,460.381	
NO 27	1,724,876.689	445,560.267	
NO 28	1,724,881 .454	445 , 660. 154	
NO 29	1,724,886.220	445,760.040	
BC. 3	1,724,888.918	445,816.596	
NO 30	1,724,890.000	445, 859. 974	
NO. 3 I	1,724,884. 397	445,959.766	
NO 32	1,724,867.764	446,058.320	
EC 3	1,724,842.872	446, 146.727	
NO 33	1,724,840.281	446 , 154 420	
NO 34	1,724,808.365	446, 249. 191	
NO 35	1,724,776.450	446, 343, 961	

STATION	COORDINATION	
NUMBER	X (m) :	Y (m)
NO 36	1,724,744.534	446,438.731
NO 37	1,724,712.618	446,533.501
NO 38	1,724,680.702	446,628.271
NO 39	1,724,648.787	446,723.041
NO 40	1,724,616.871	446,817.812
NO 41	1,724,584.955	446,912 582
NO 42	1,724,553.040	447,007.352

	I.P NO.			
ITEMS	ı	2	3	
Ι.Α	21°~ 32'~ 07"	21"~ 22' ~ 36"	21"~ 20"~ 36"	
:R (m)	1,000.000	1,500.000	000.00e	
T.L. (m)	190. 175	283.000	169.596	
C.L (m)	375.862	559.637	335.261	
S.L (m)	17.927	26.483	15.840	
X (m)	1,725,341.313	1,724, 845.346	1,724,897.000	
Y (m)	443, 433.396	444,903.299	445,986.000	

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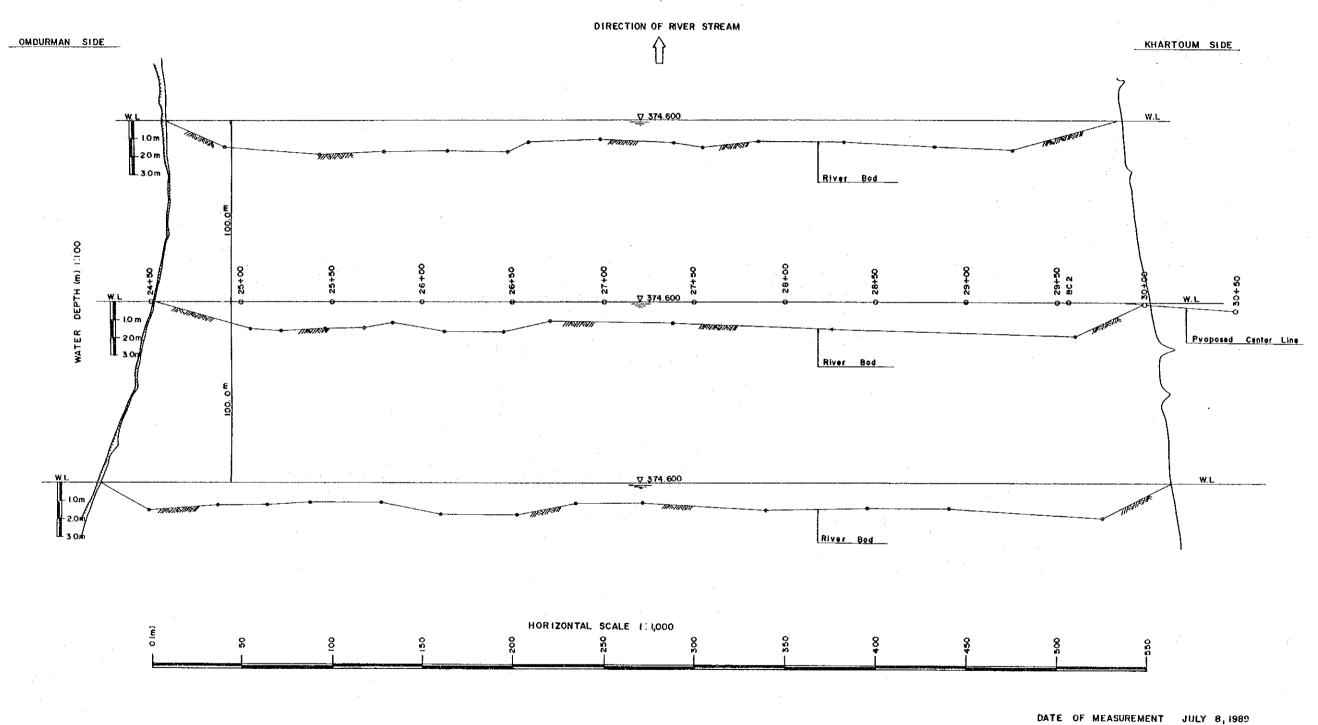
JAPAN INTERNATIONAL COOPERATION AGENCY

HORIZONTAL ALIGNMENT

DATE SHEET NO.

JANUARY, 1990 14/32

## BATHYMATRIC SURVEY RESULT



HOURS FROM 10:30 TO 13:00

HIGHT OF WATER SURFACE IS 374.60m

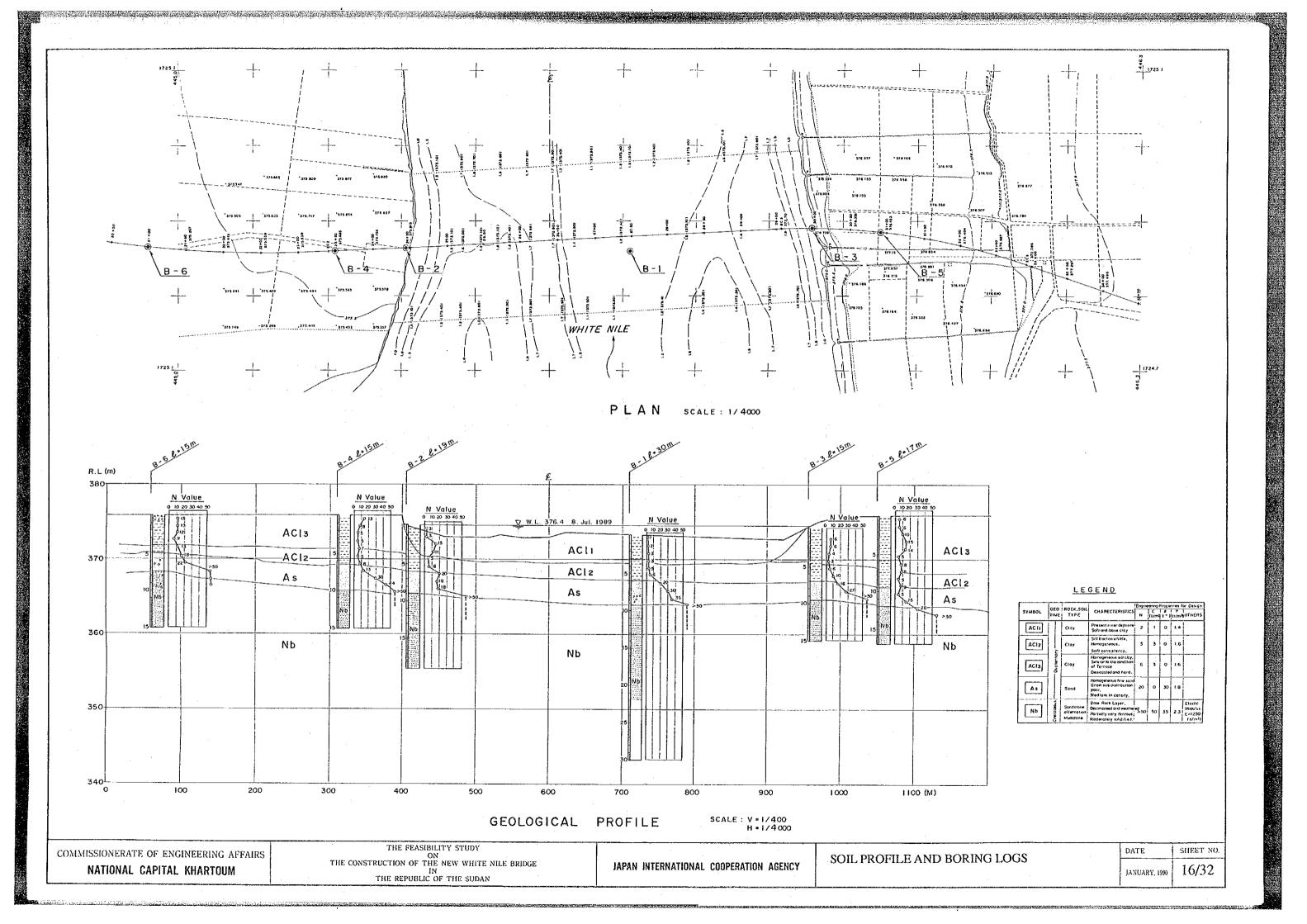
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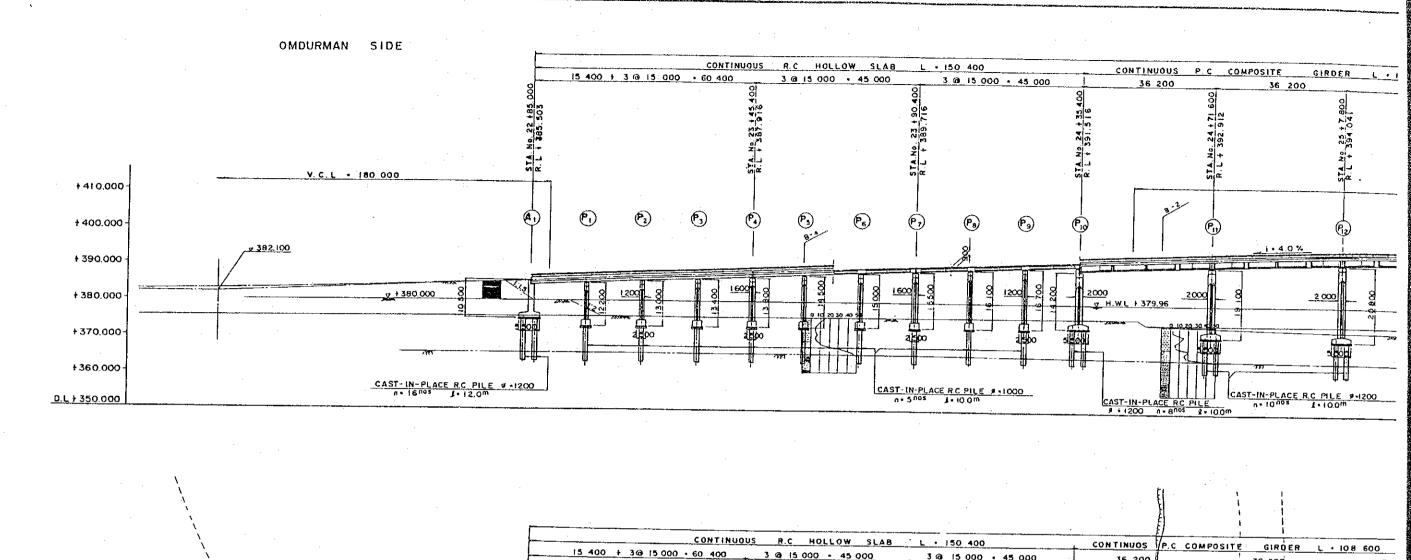
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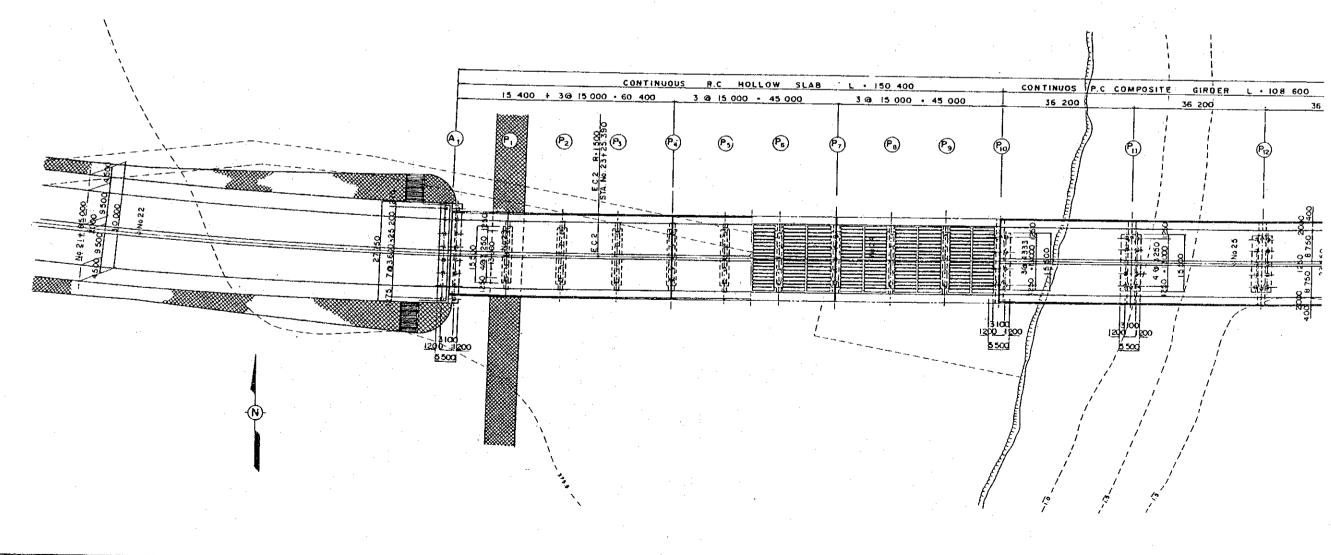
JAPAN INTERNATIONAL COOPERATION AGENCY

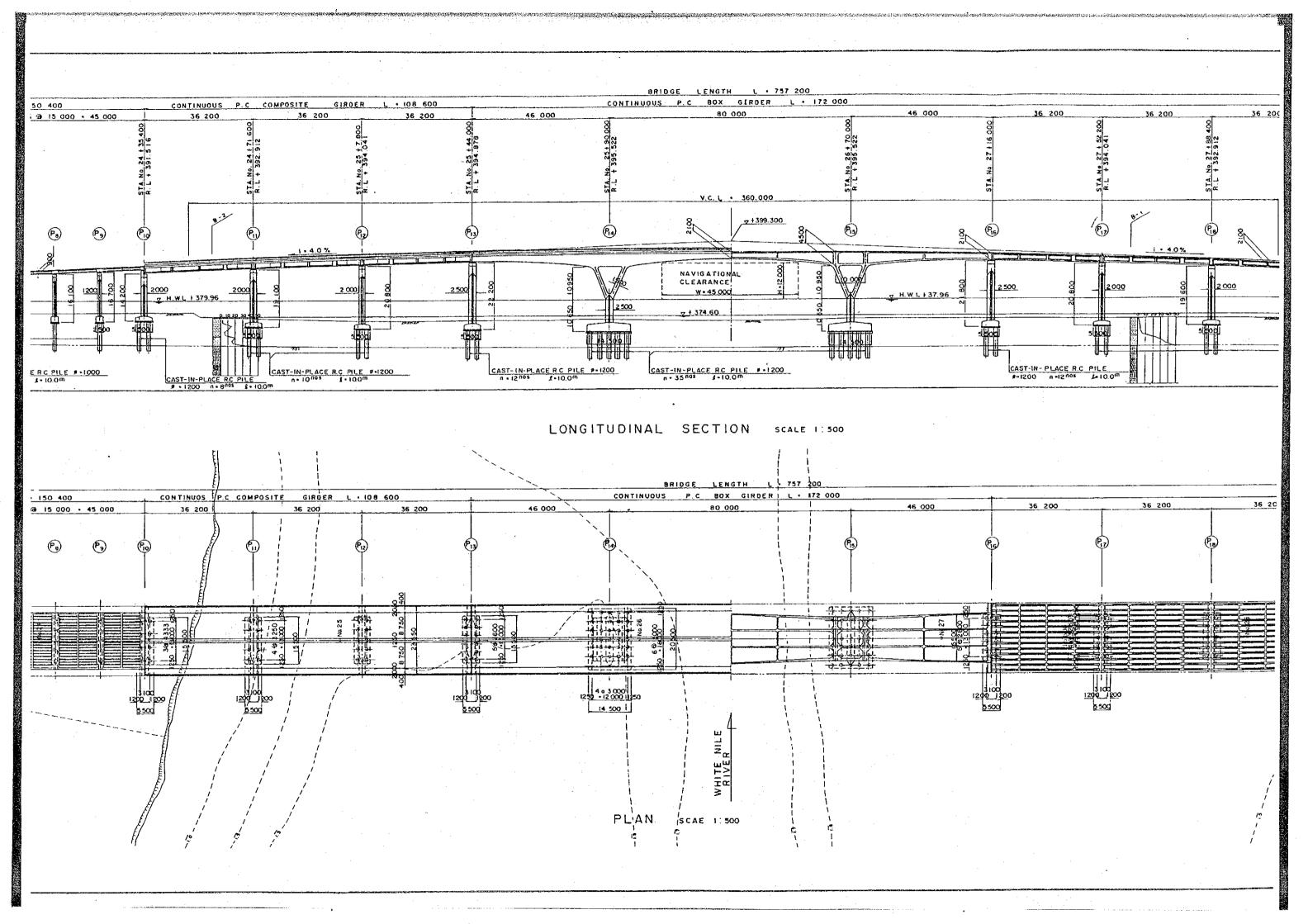
BATHMATRIC SURVEY RESULT

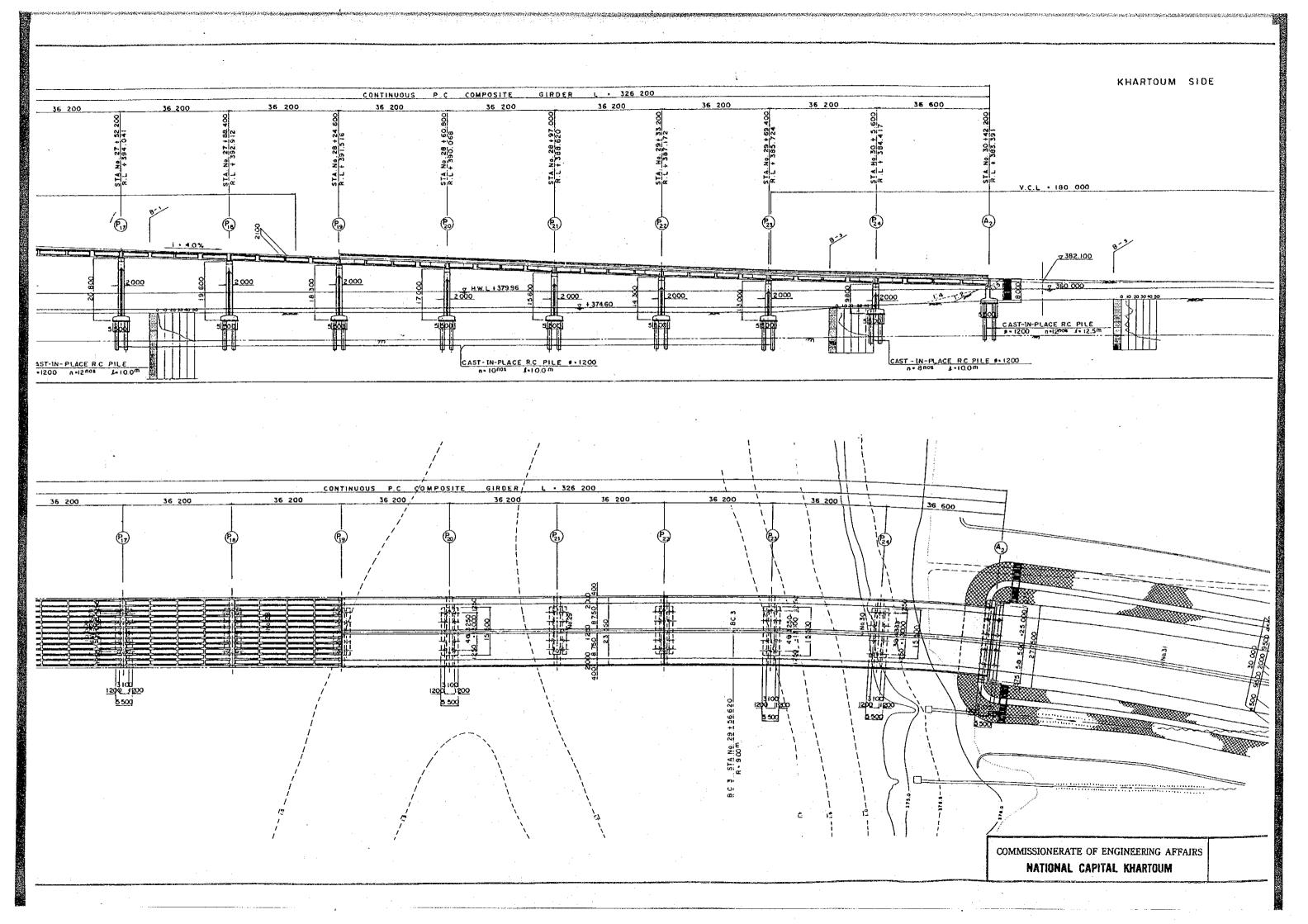
JANUARY, 1990 15/32

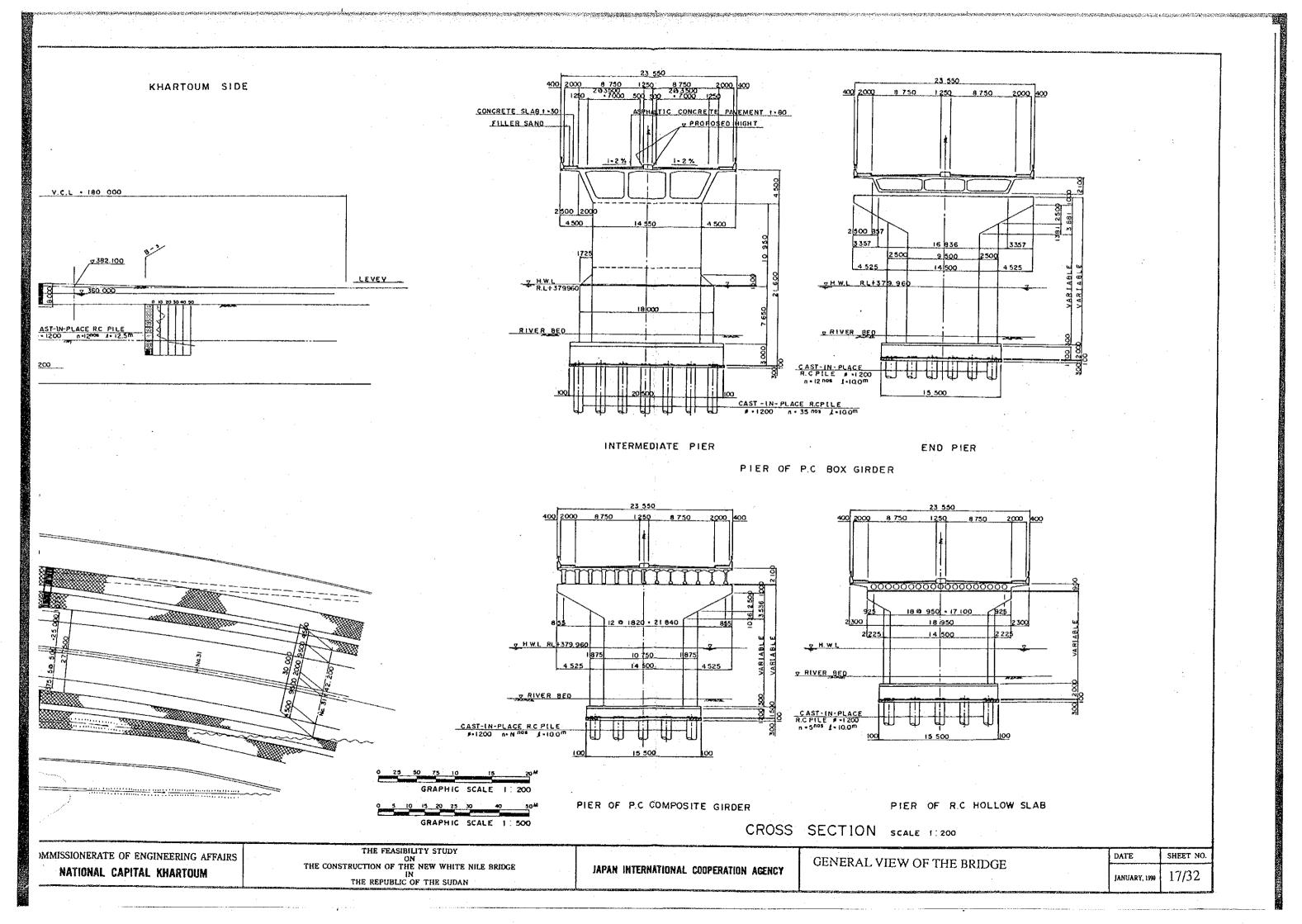


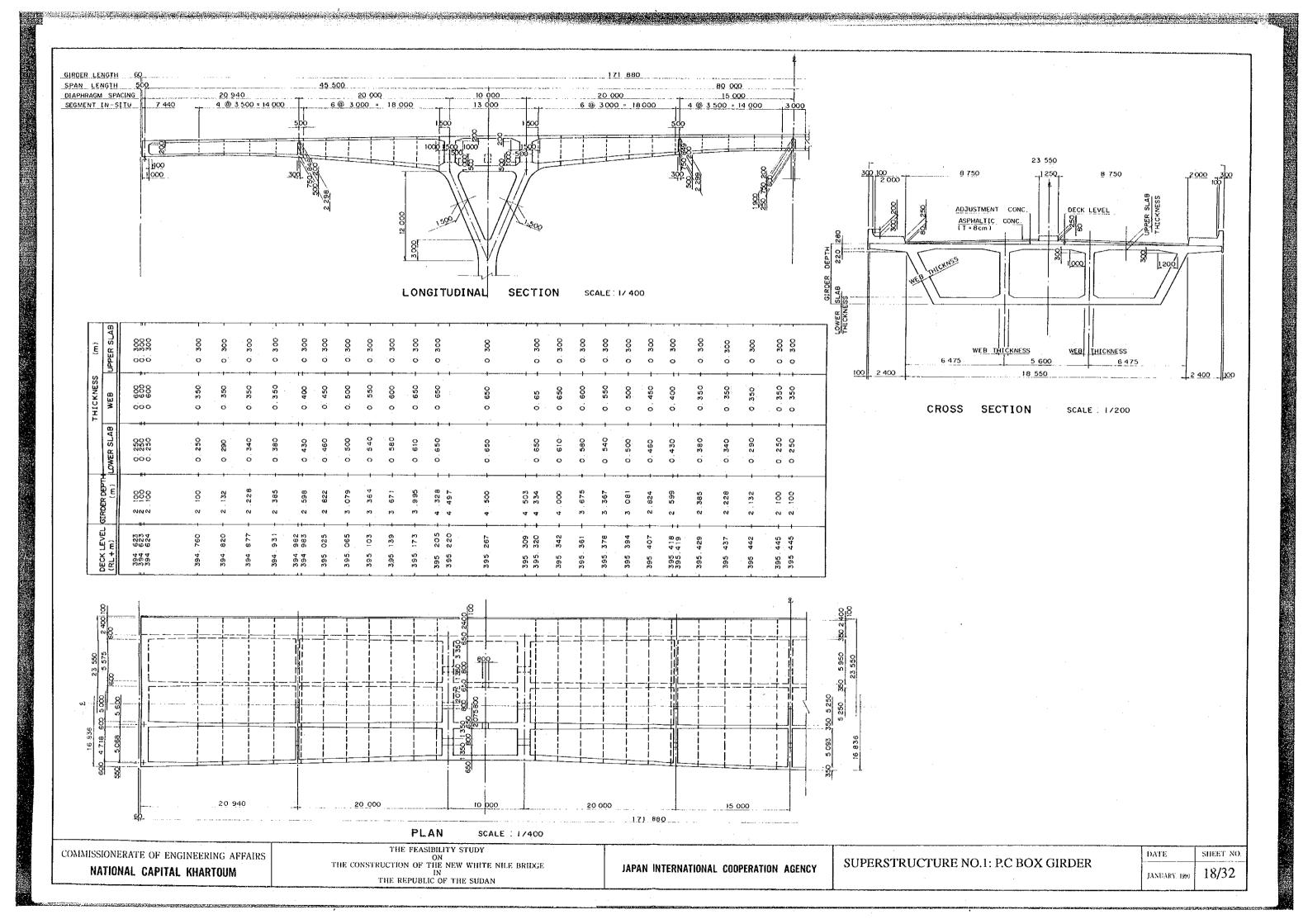


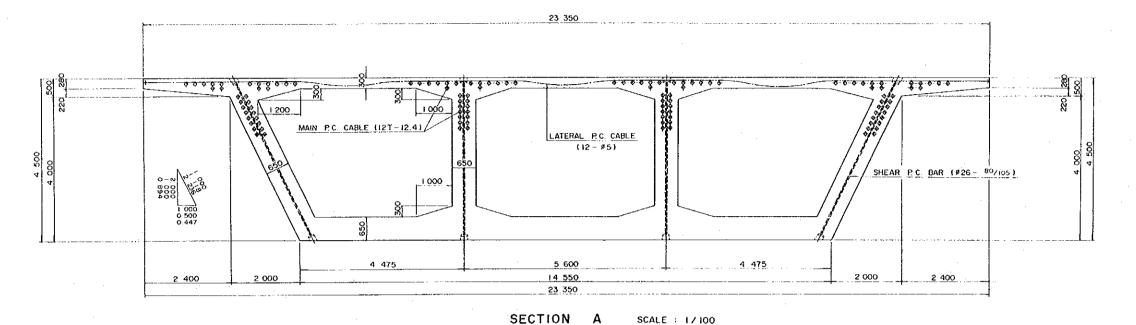


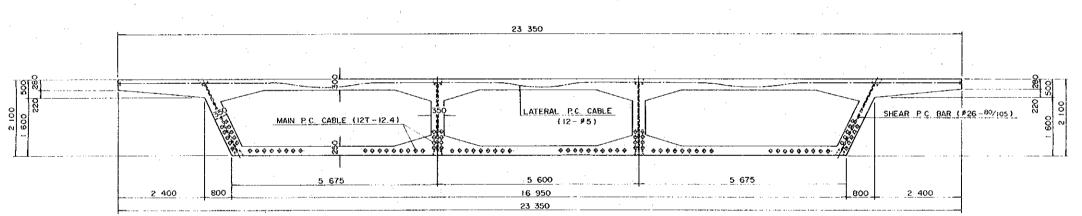


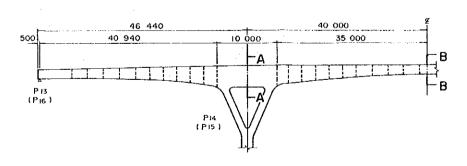












SECTION B

LOCATION MAP OF SECTION A & B
SCALE : 1/800

COMMISSIONERATE OF ENGINEERING AFFAIRS

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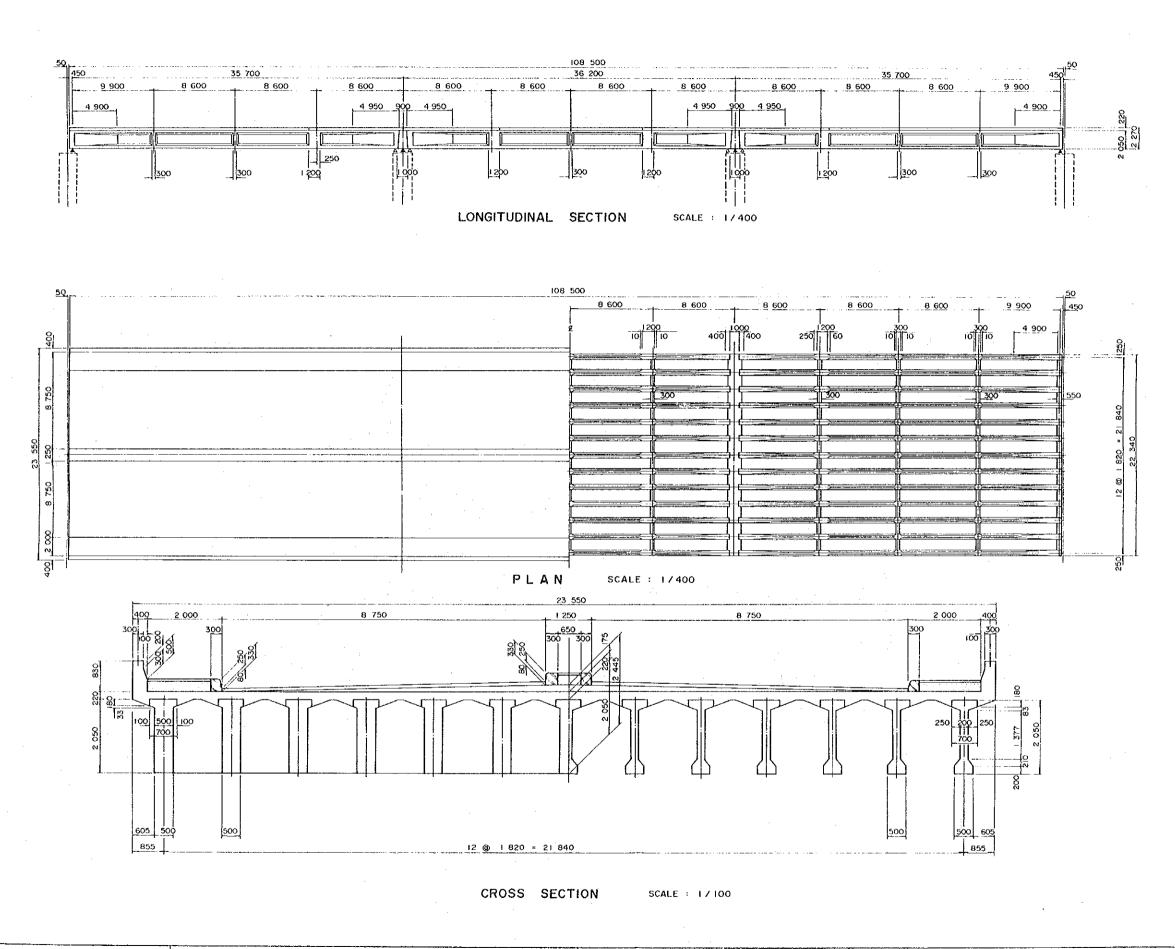
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SCALE : 1/100

TRANSVERSE ARRANGEMENT OF P.C CABLES FOR P.C BOX GIRDER

DATE SHEET NO.

JANUARY, 1990 19/32



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NATIONAL CAPITAL KHARTOUM

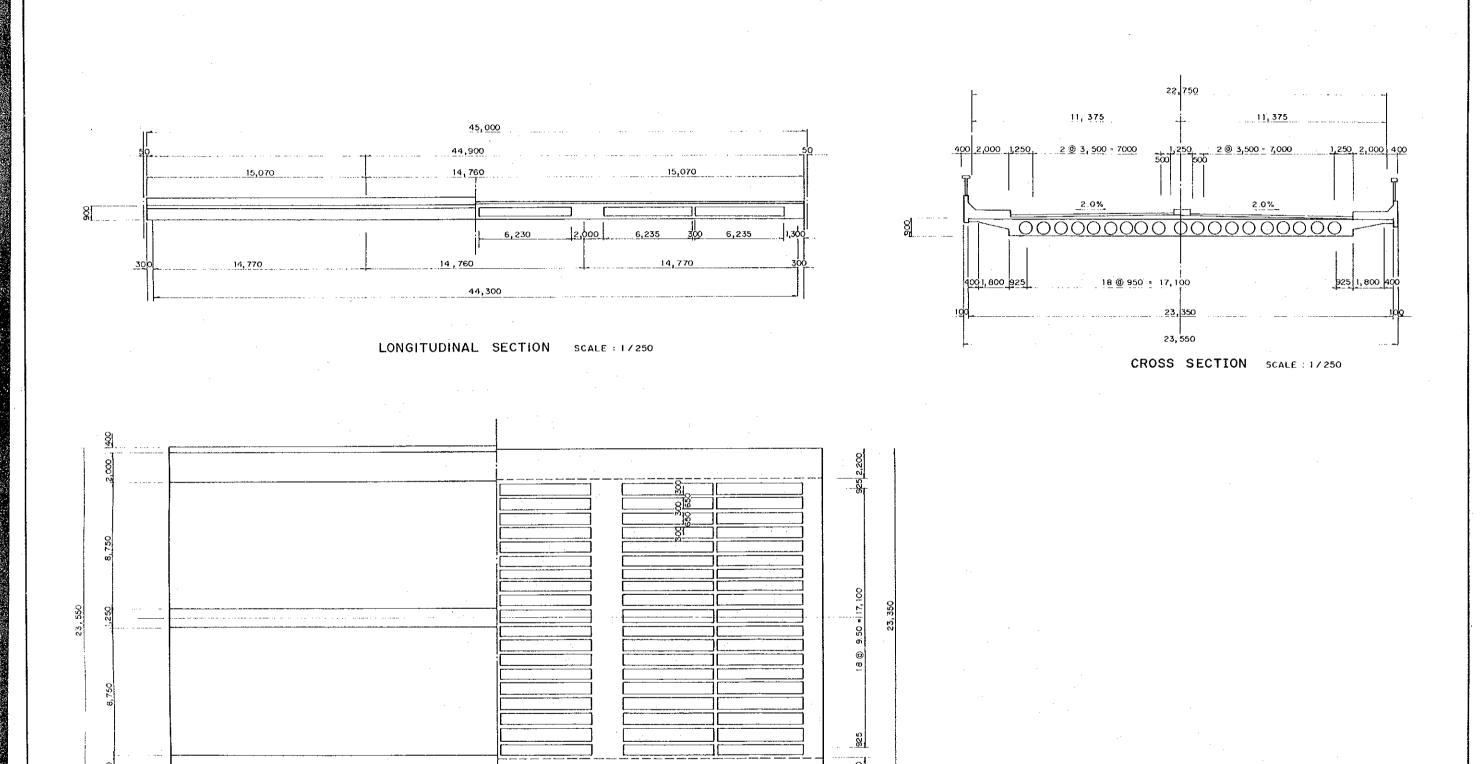
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SUPERSTRUCTURE NO 2: P.C I-GIRDER

DATE SHEET NO.

JANUARY, 1990 20/32



PLAN SCALE: 1/250

COMMISSIONERATE OF ENGINEERING AFFAIRS
NATIONAL CAPITAL KHARTOUM

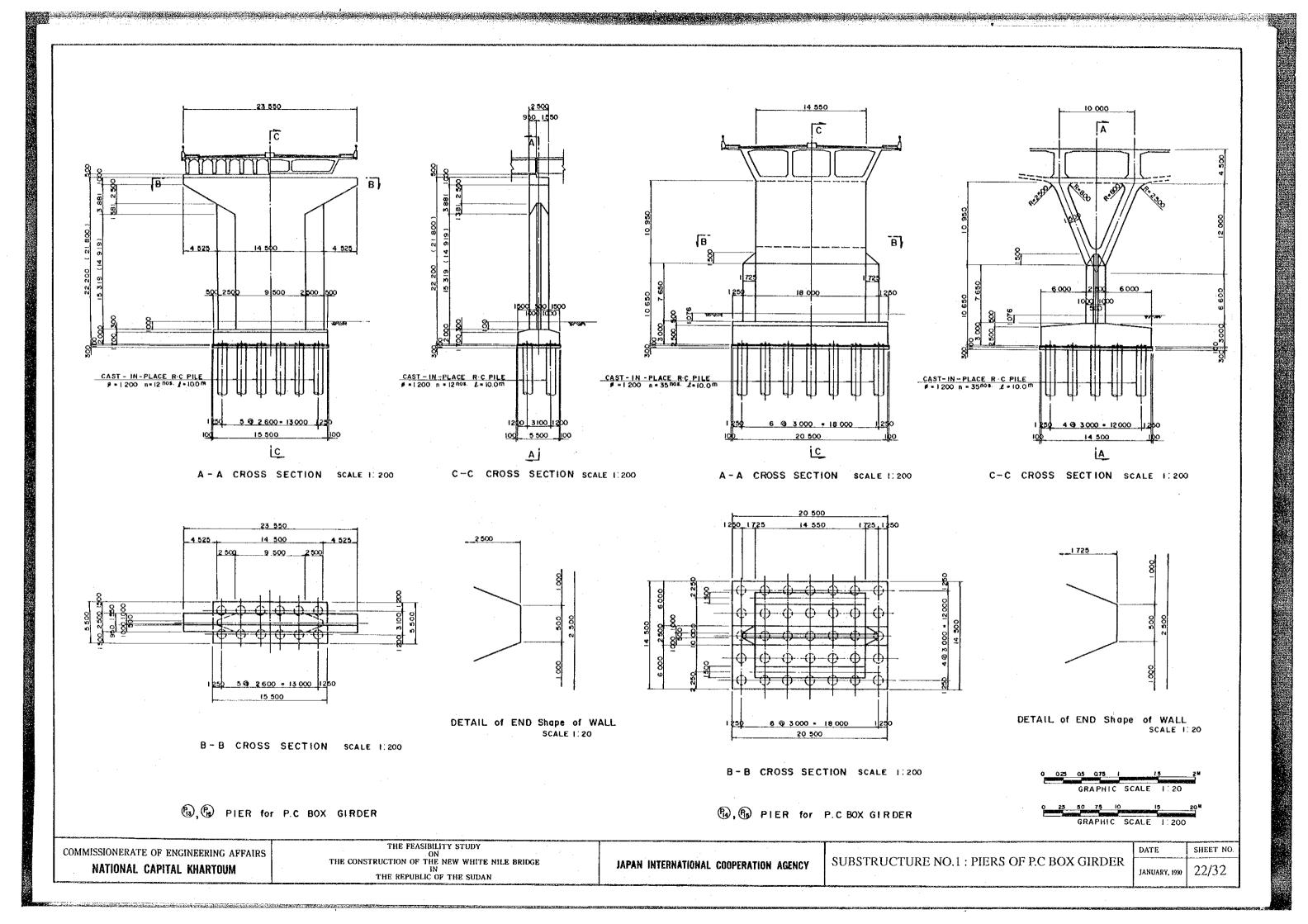
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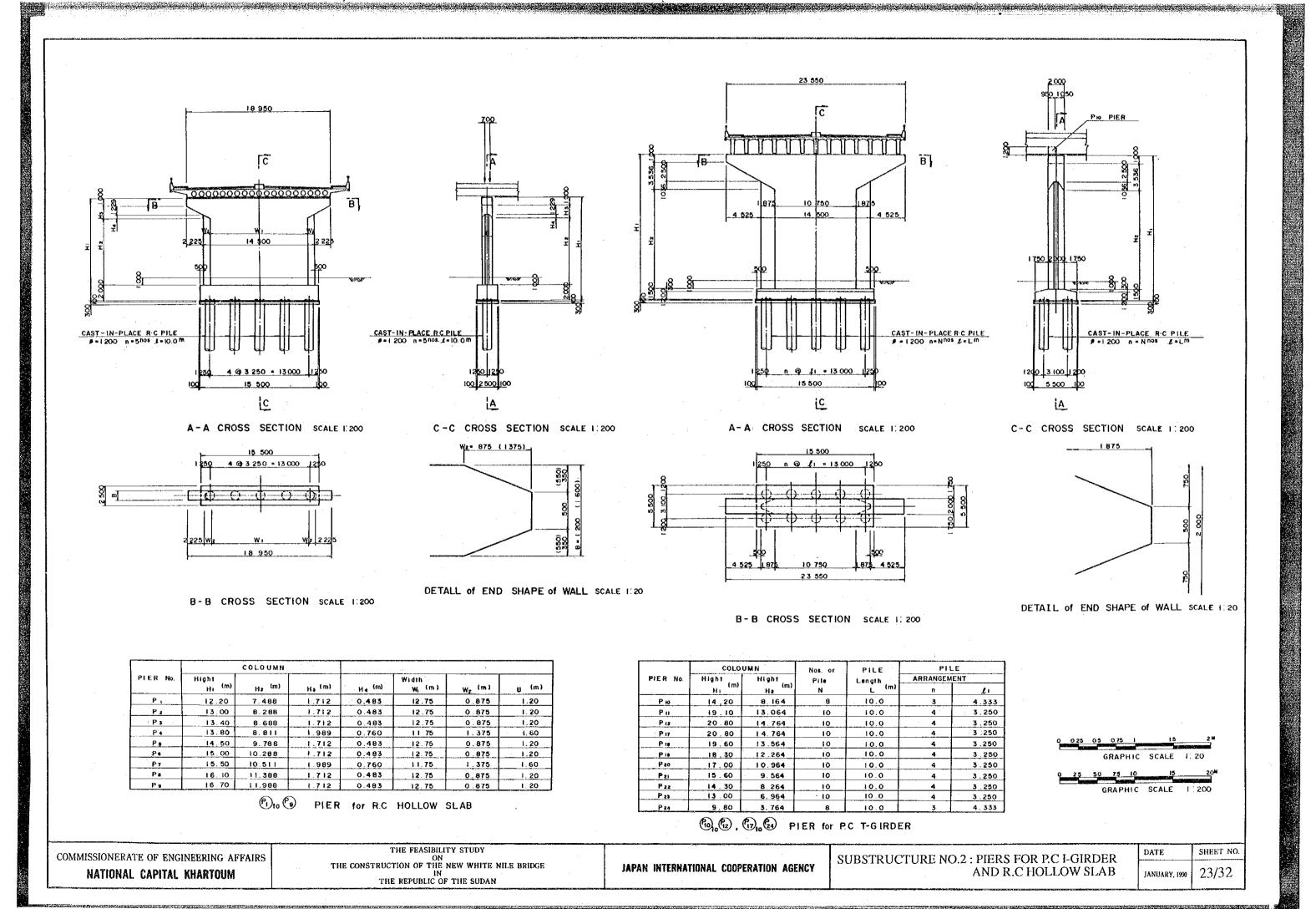
JAPAN INTERNATIONAL COOPERATION AGENCY

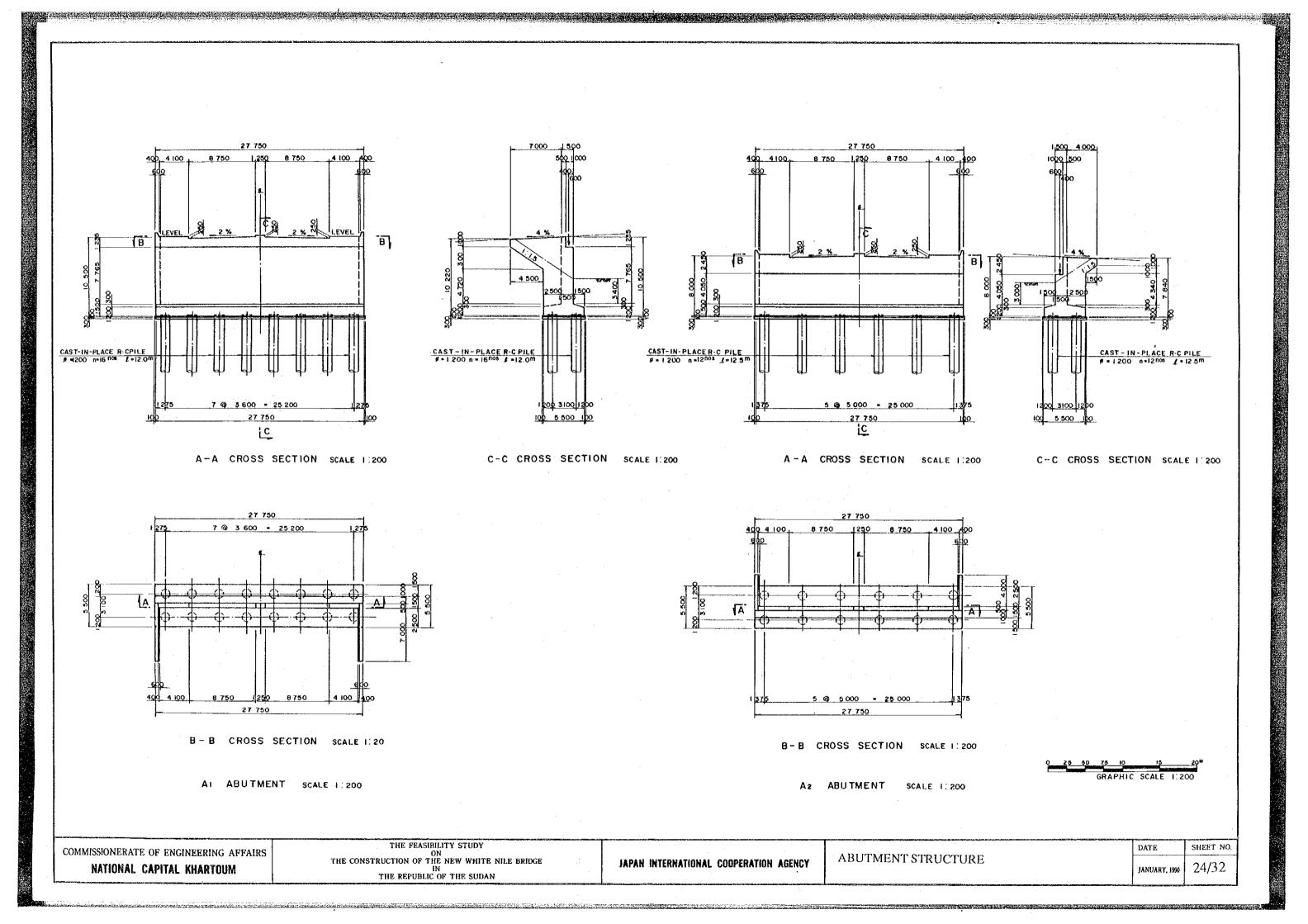
SUPERSTRUCTURE NO.3 : R.C HOLLOW SLAB

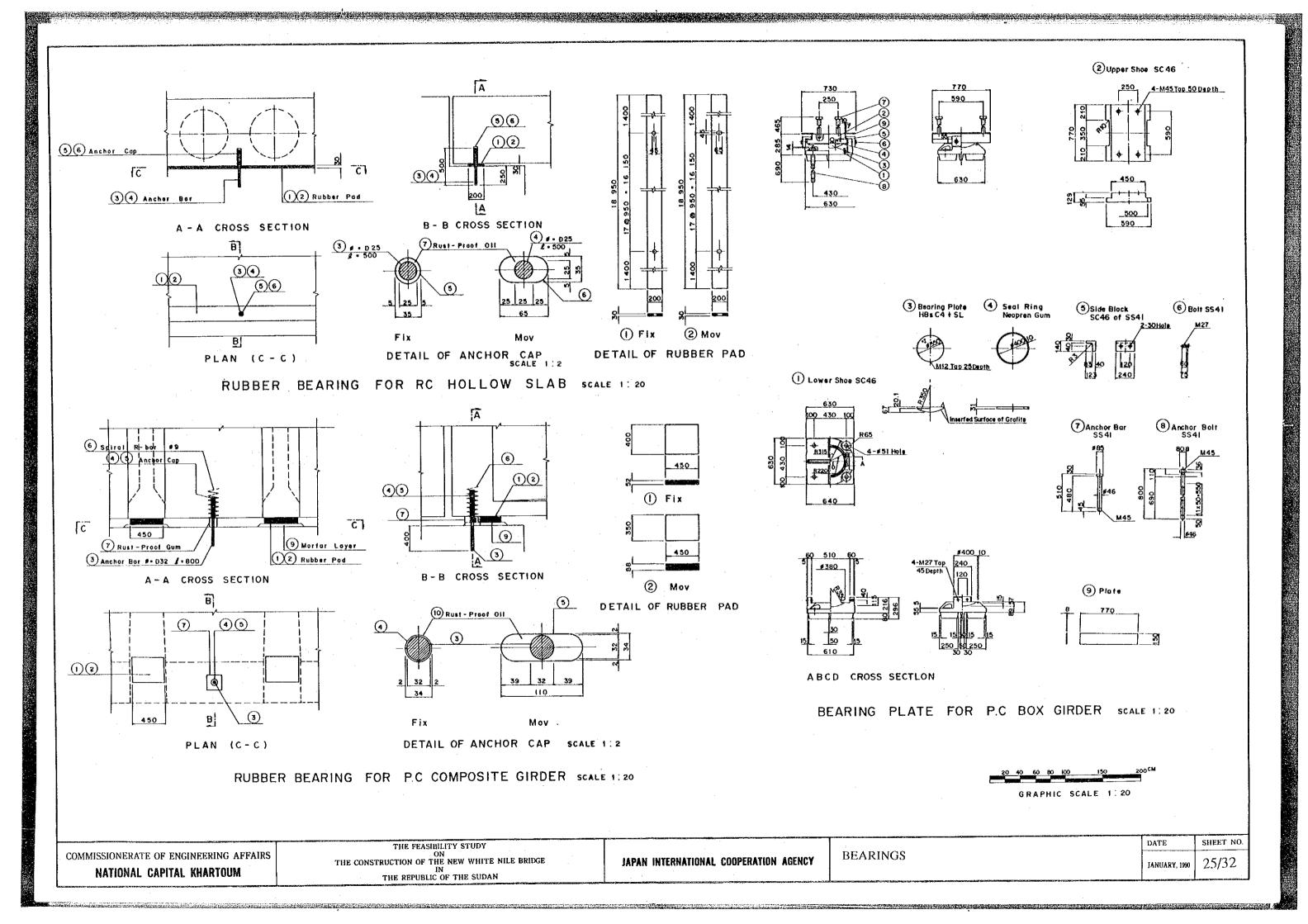
DATE SHEET NO.

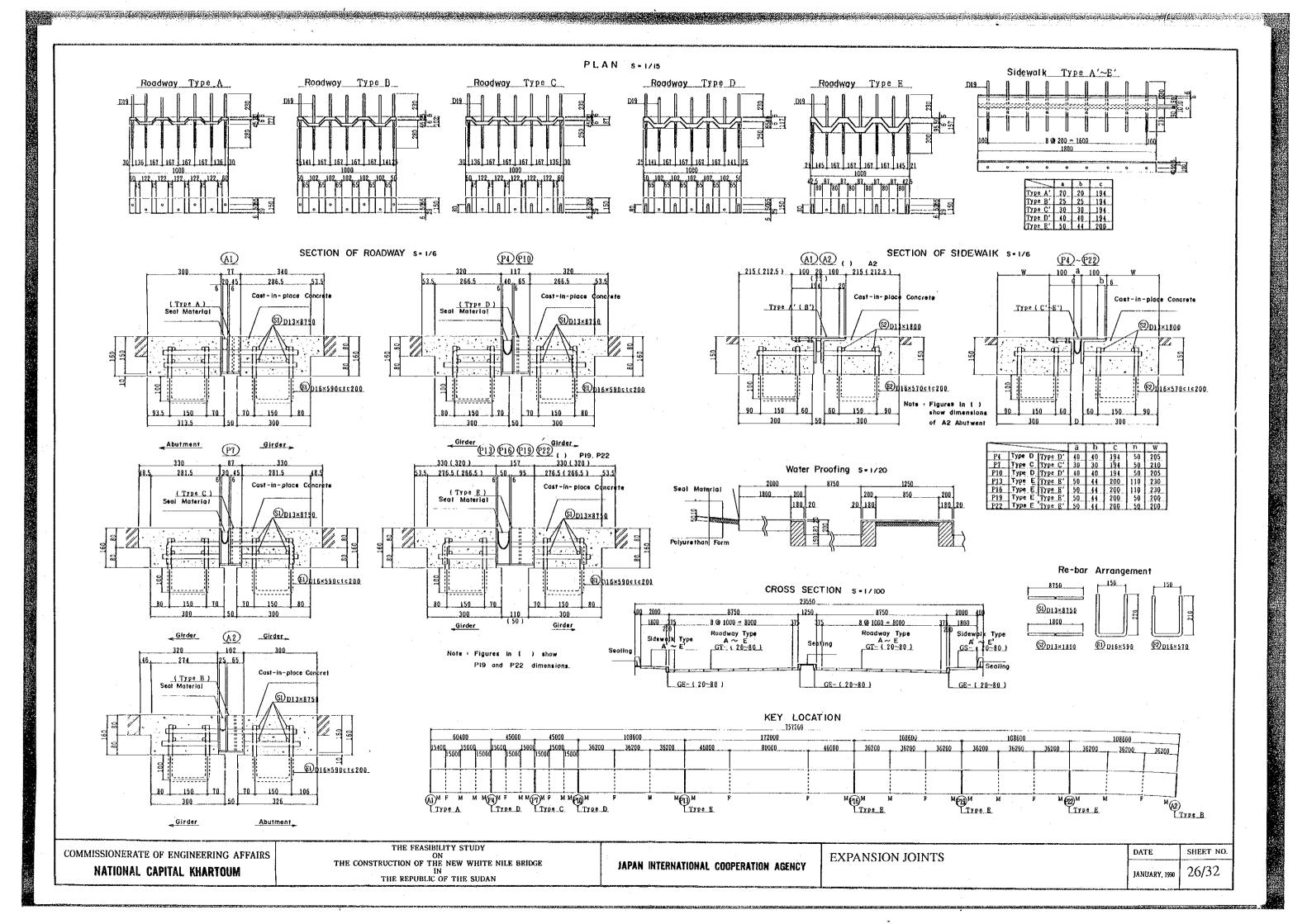
JANUARY, 1996 21/32

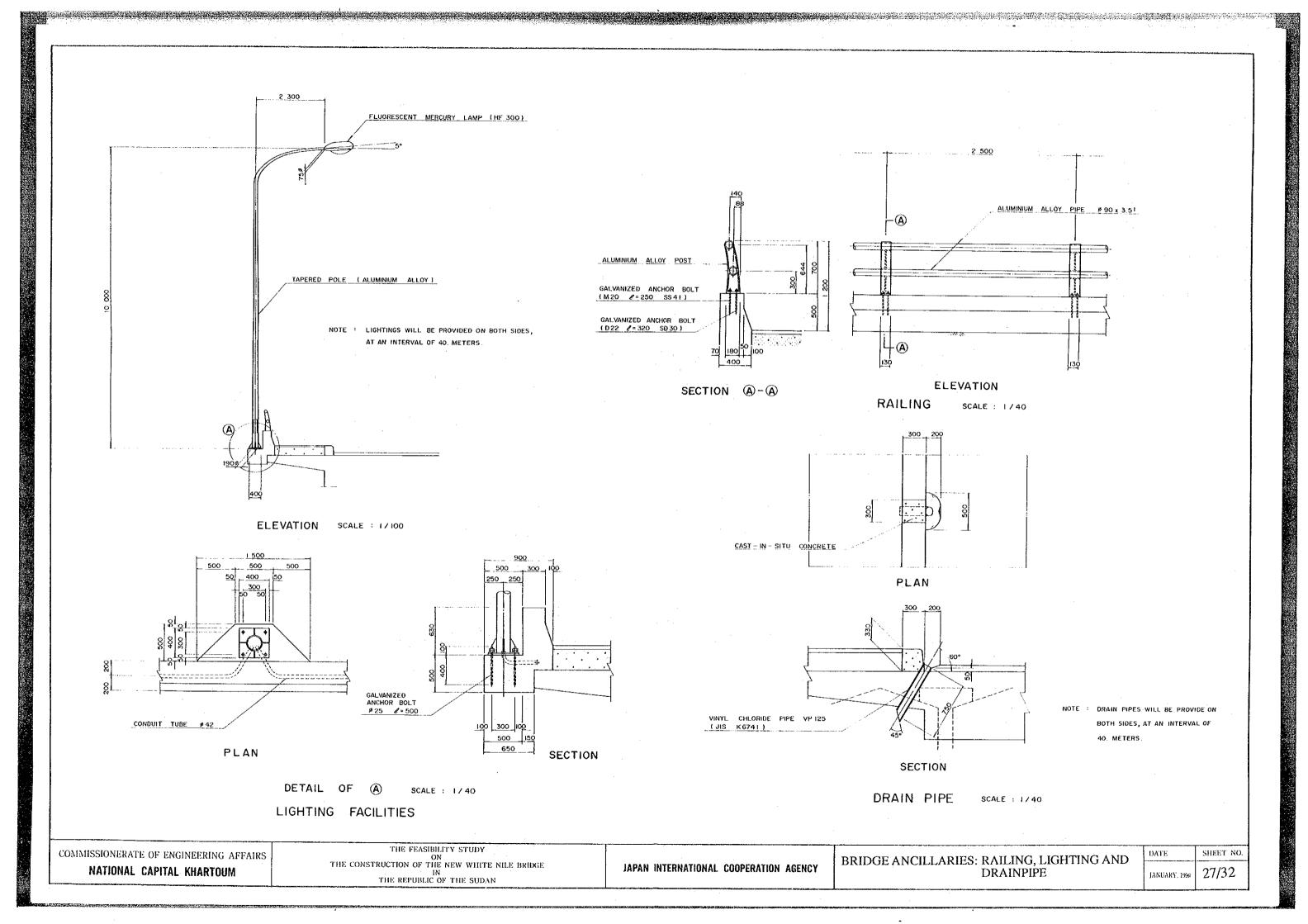


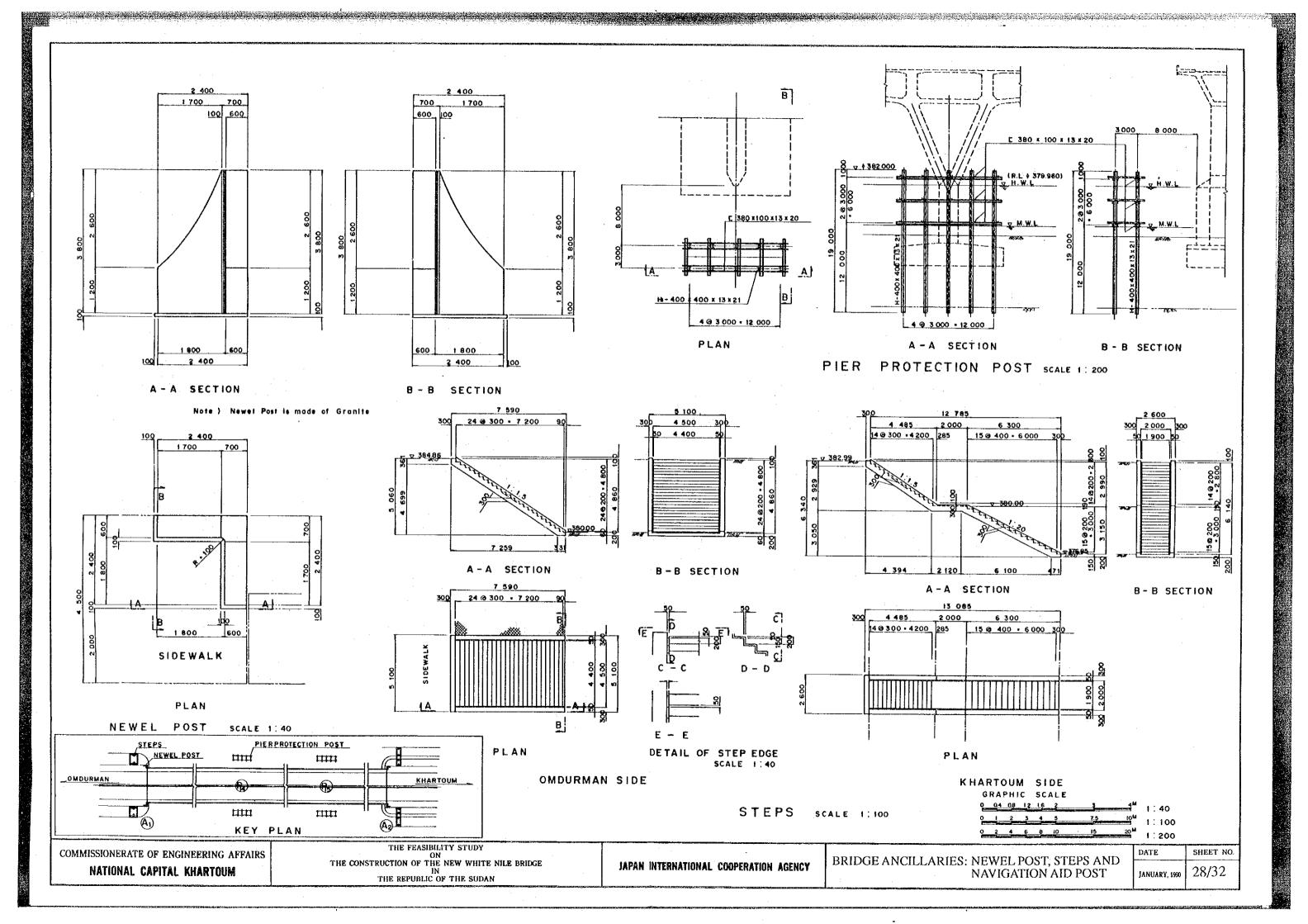




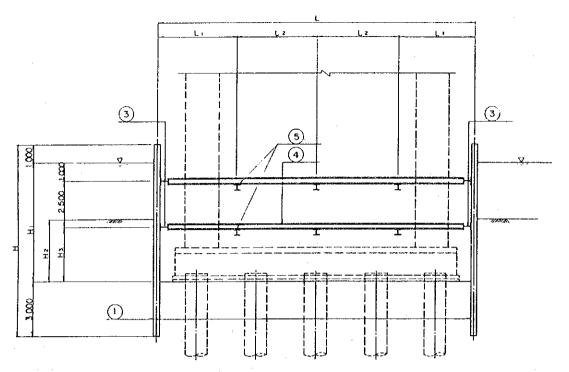


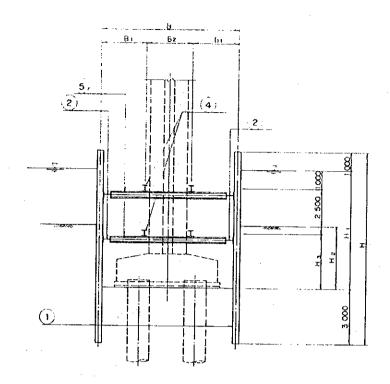






## ELEVATION





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## DIMENSION OF MENBER

			TYPE 1	TYPE 2	TYPE 3
Steel	Sheet Pile	$\Box$	Туре Ш	Type ₹	Type I <b>V</b>
Walina	Tronsverse Axle	(2)	H-400 x 400 x 13 x 21	H-414 x 405 x 18 x 28	H-458x417x30x50
	Bridge Axle	(3)	H-400 x 400 x 13 x 21	H-414 x 405 x 18 x 28	H-458 x 4 17 x 30 x 50
Sirui	Tronsverse Axle	(4)	H- 400 x 400 x 13 x 21	H-400 x 400 x 13 x 21	H-458x417x30x50
	Bridge Axte				
	Broce	(6)	H-300 x 300 x 10 x 15	H-300 x 300 x 10 x 15	H-300 x 300 x 10 x 15

TABLE of DIMENSION

TYPE PLASE L L1 L2 L3 L4 L5 B B1 B2 B3 B4 H H1 H2 H3

TYPE 1 P<sub>1</sub> ~ P<sub>1</sub> Z P<sub>1</sub> ~ P<sub>2</sub> ~ P<sub>3</sub> ~ P<sub>3</sub> 17 5 4 375 4 375 1.50 1.375 1.375 7.50 2.50 2.50 1.50 1.00 10.00 6.00 2.90 6.50

TYPE 2 P<sub>1</sub> ~ P<sub></sub>

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COFFERDAMS

DATE SHEET NO.

JANUARY, 1990 29/32

