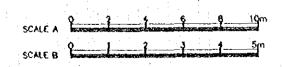


<b>DESIGN</b>	CONDITION
BRIDGE NAME	8CH12(CH19-1)
LIVE LOAD	BM 100
GIRDER LENGTH	13 50 m
SPAN LENGTH	13.00 m
HIGM	12.20 m
BRIDGE ANGLE	90'

REAC	TION	
	ABUT MENT(11)	PÆR(II)
DEAD LOAD	115.7	
LIVE LOAD	76.9	
TOTAL	193.6	

	KIND OF MA	TERIAL	UNIT	VOLUME	DESCRIPTION
MAIN	CIRDER .	NUMBER	no	16	BM100~03
	CONCRETE	DESIGN STRENGTH	- m	11.8	
FORMING	FORM		n <sup>2</sup>	14.7	_] '
	ROADWAY	PAVEMENT	of_	148.5	
		PAYEMENT	m <sup>2</sup>		
	1	SUB-CONCRETE	m		
MISCEL -	SIDE WALK	SIDE BLOCK	m		
LANEOUS	1	FILLING MORTAR	пt		
	CUARD RAIL	CONCRETE	m	9.9	
		FORM	n <sup>2</sup>	65.7	
		RE-BAR	(f	0.466	_]
		STEEL-RAILING	m	27.0	J
	DRAINAGE	NUMBER		4	
	EXPANSION		m	24 4	
	1	NUMBER	Ll	26	
		LENGTH	m	11.830	_!
CROSS	PC-TENDON	FOTAL LENGTH	m	307.580	
CIRDER	l	TOTAL WEIGHT	Rf.	0 508	J.
	SHEATH		m	78.0	
	CROUT		m	307.6	`I



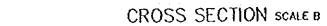
-0.2		T	MINISTRY OF PUBLIC WORKS	TITLE OF DRAWING	APPROVEO
	11	PREPARED	DIRECTORATE CENERAL OF HUMAN SETTLEMENTS	GENERAL PLAN OF BRIDGE BCM12(CN19-1)	
		SUBVITTED	JAPAN INTERNATIONAL COOPERATION AGENCY	DAG NO.	DÁTE
		DATE	THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT	J-70-10-811	

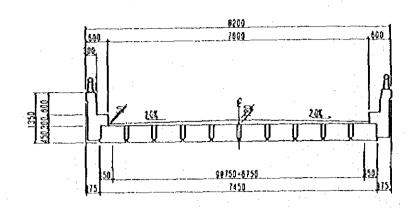
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CRADENT	-4	) SQ =8	1040	1		 <u>_</u>	158	~		ເກຼີ	1.53 va -1	3 500		6.500	1		<del></del> .	5Q = 84.	0.
035000	2.083		1. 726			 4,077	3				** 				4.081				1.720
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CATTO OTTA	100. 700		53.770			 6. 750 500									0. 200				53, 770
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STATION						_==11.													
P. P						 11-				ţ.	•								

SIDE VIEW SCALE A

PLAN SCALE A

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# DESIGN CONDITION

BRIDGE NAME	BCM13(CM20)
LIVE LOAD	BM 70
GIRDER LENGTH	11.30 m
SPAN LENGTH	10.80 m
HIGH	8.20 m
BRIDGE ANGLE	90

i	KLAU	, HON	_
		ABUT MENT(U)	

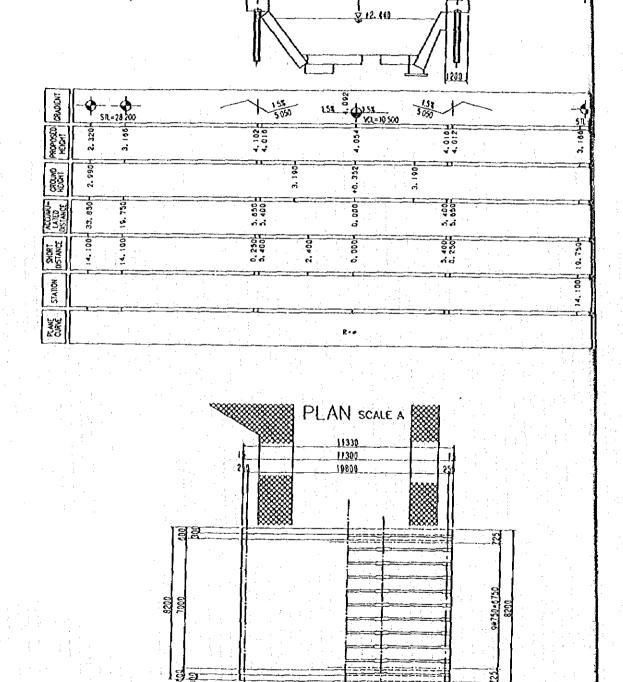
		ABUT MENT(U)	PIER(11)
٠	DEAD LOAD	71.3	
	LIVE LOAD	40.0	
٠	TOTAL	111.3	

# MATERIAL TABLE

	KIND OF MAT	RIAL	บพที	VOLUME	DESCRIPTION
WAIN	CIRDER	NUMBER	no	10	БМ70-04
	CONCRETE	DESIGN STRENGTH	m	4.7	1
FORMING	. FORVI		m	7.7	
	ROADWAY	PAVEMENT	nt	79.1	<b>i</b>
		PAVENENT	of		
		SUB-CONCRETE	W,		}
MISCEL-	SIDE WALK	SIDE PLOCK	m		]
LANEOUS	1	FILLING MORTAR	m <sup>3</sup>		}
		CONCRETE	m	10 2	]
1 1		FORM	m <sup>2</sup>	59.1	]
	CUARD RAIL	RE-BAR	t f	0,480	
	<b>\</b>	STEEL-RAILING	m	\$2.6	}
	DRAINACE	NUMBER	I	4	j
	EXPANSION		m	15.4	]
	1	NUMBER		12	
		LENGTH	m	. 7.330	}
CRÓSS	PC-TENDON	TOTAL LENGTH	m	87,950	1
GIRDER	1	TOTAL WEIGHT	II	0.145	}
	SHEATH		m	21.6	ı
	CROUT		m	88.0	<u></u>

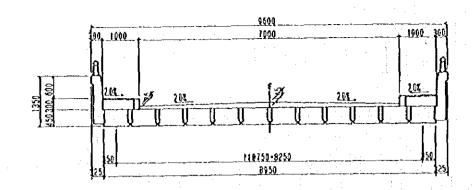
SCALE B 2 3 5m

	-	HINISTRY OF PUBLIC WORKS	TITLE OF DRAWING	APPROVED
1	PREPARED	DIRECTORATE GENERAL OF HUMAN SETTLEMENTS	CENERAL PLAN OF BRIDGE BOUTS(CM20)	
	SUBVITTED.	AVENT IN EXISTING ACCUMENTATION ASSESSMENT	UWO NO.	DATE
	-OA1E	THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT THE CITY OF JAKARTA	J-70-10-812	



SIDE VIEW SCALE A

#### CROSS SECTION SCALE B



# DESIGN CONDITION

BRIOGE NAME	BCM14(CM22)
LIVE LOAD	EM 70
GIRDER LENGTH	15.80 m
SPAN LENGTH	15 30 m
MOTH	1,3m=7,0m=1,3m
BRIDGE ANOLE	30,

# REACTION

( ) [ ]	(11) THEM TUBA	PIER(II)
DEAD LOAD	78.6	
UVE LOAD	40.0	
TOTAL	118 6	

#### MATERIAL TABLE

		i	1.000.00	DESCRIPTION
			Ancome	DE STRIP HOW
GROER	NUMBER	rio	12	BM70-04
CONCRETE	DESIGN STRENGTH		5.6	į į
FORM			8.8	
ROADWAY	PAVEMENT		73.5	1
	PAVEMENT		16.6	]
	SUB-CONCRETE	m³	4.5	1
SIDE WALK	SIDE BLOCK	m	21.0	<u> </u>
	FILLING MORTAR	m3	0 220	Ţ
CUARD RAIL	CONCRETE	M	7.2	_
	FORM	m <sup>2</sup>	53.4	
	RE-BAR	ti .	0 338	.]
<b>,</b>	STEEL-RAILING	m	21.0	<u> </u>
DRAINAGE	NUMBER		. 4	.]
EXPANSION	1	m	19.2	
	NUMBER		16	]
	LENGTH	m	8 830	<u> </u>
PC-TENDON TOTAL	TOTAL LENGTH	m	141.280	]
1	TOTAL WEIGHT	11	0 233	_j
SHEATH		m	35.2	1
CROUT		m	141.3	<u></u>
	KIND OF MAT ORDER CONCRETE FORM ROADWAY SIDE WALK CUARD RAIL DRAINAGE EXPANSION PC-TENDON	CONCRETE DESIGN STRENGTH FORM ROADWAY PAVEMENT PAVEMENT SIDE WALK SUB-CONCRETE SIDE BLOCK FILLING MORTAR CONCRETE FORM RE-BAR STEEL-RALING DRAINAGE NUMBER EXPANSION PC-TENOON TOTAL LENGTH TOTAL WEIGHT	KIND OF MATERIAL UNIT ORDER NUMBER 100 CONCRETE DESIGN STRENGTH 11 CONCRETE DESIGN STRENGTH 11 CONCRETE 11 CONCRET	NUMBER   N

	N SCALE / 5830 5800		
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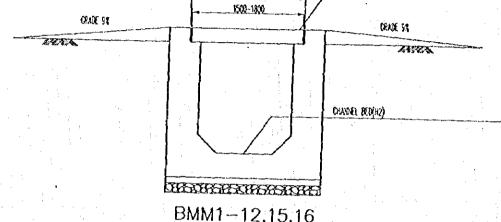
SIDE VIEWSCALE A

10530

APPROVED TITLE OF DRAWING MINISTRY OF PUBLIC WORKS CENERAL PLAN OF BRIDGE BCM14(CM22) DIRECTORATE CENERAL OF HUMAN SETTLEMENTS JAPAN INTERNATIONAL COOPERATION ACENCY DWC NO. THE DETAILED DESIGN FOR URBAN ORANAGE PROJECT
THE CITY OF JAKARTA J-70-10-813

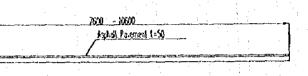
# SIDE VIEW



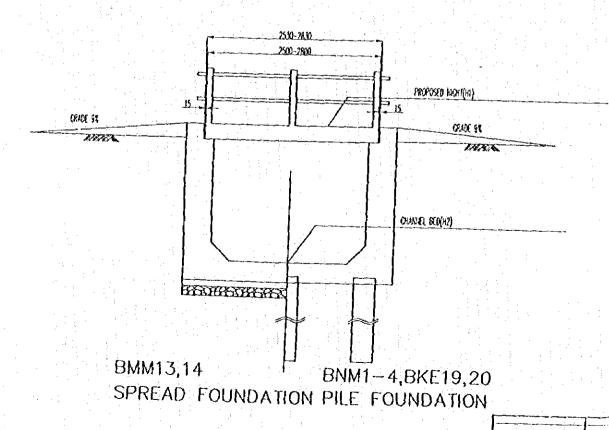


BMM1-12,15,16

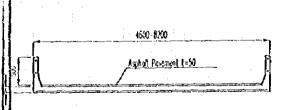
# CROSS SECTION



Bridge Name	HL	H2
	(TTG.m)	(TTG.m)
BMMI	6.914	4.942
BMM2	6.971	4.975
вммз 🤼	7.050	5.024
BMM4	7.050	5.024
BMM5	7.118	5.065
вмм6	7.118	5.065
ВММ7	7.274	5.159
ВММ8	7.377	5.221
вмм9	7.377	5.221
BMM10	7.429	5.253
BMMH	7.507	5.616
BMM12	7.507	5.616
BMM13	7.547	5.616
BMM14	7.629	5.994
BMM15	9.135	7.309
BMM16	9.161	7.463
BNMI	2.194	-0.041
BNM2	2.353	0.118
BNM3	2.544	0.308
BNM4	2.544	0.308
BKE19	3.195	1.477
BKE20	3.195	1,634



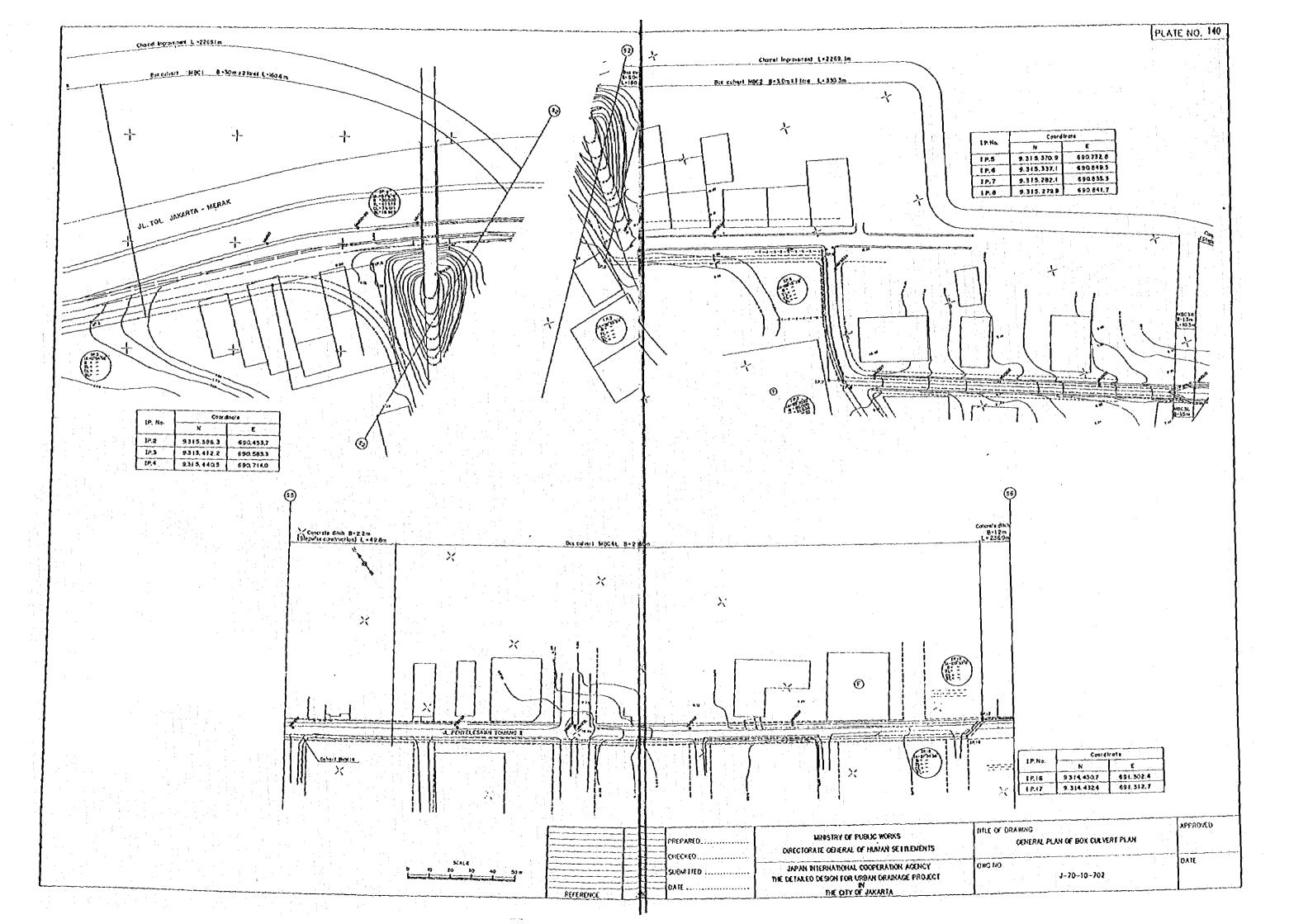
REFERENCE

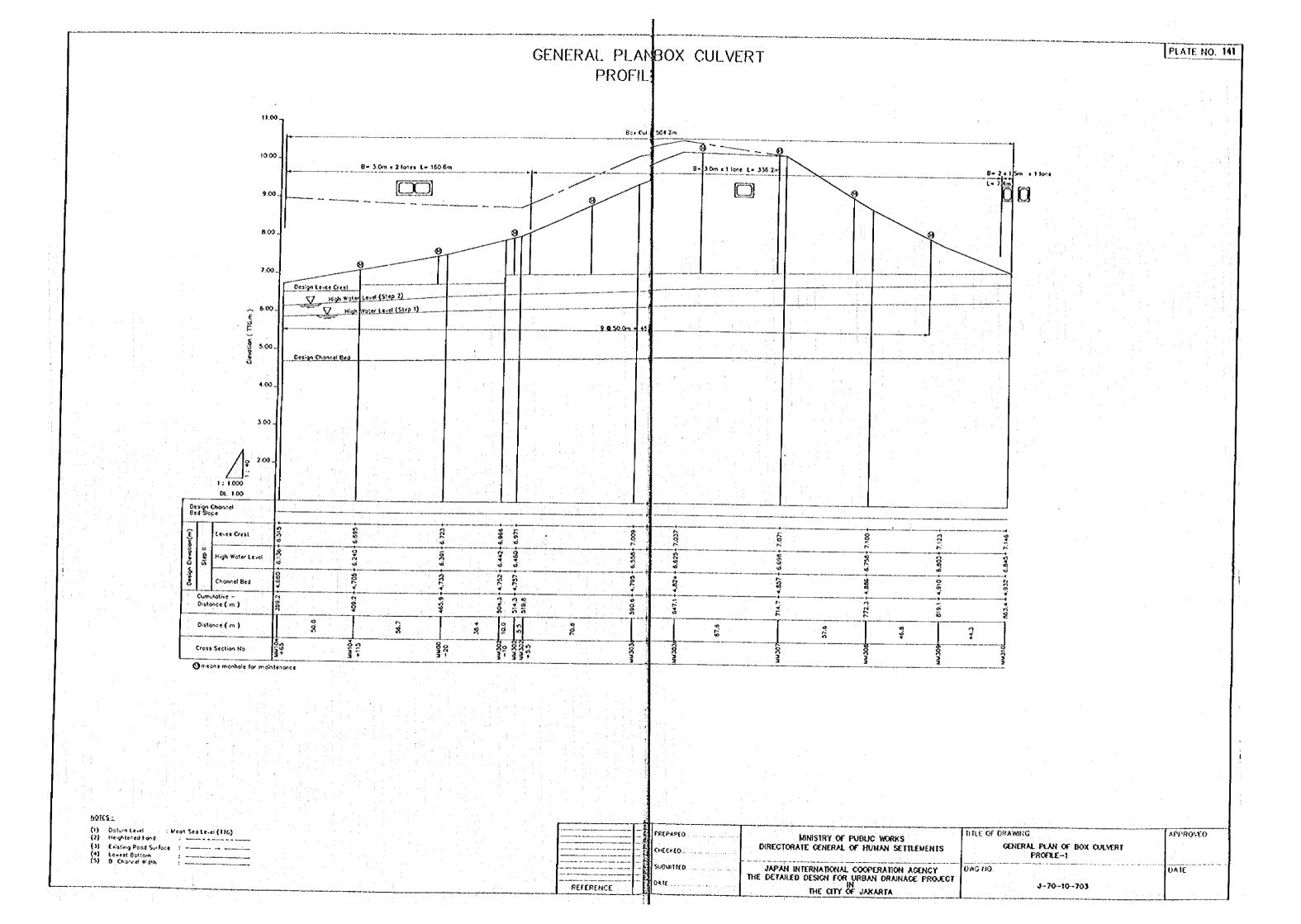


#### DESIGN CONDITION

LIVE ROAD	BN 70
GIRDER	1.5~2.8m
WIDTH	7.6~10.6m
BRIDGE ANGLE	90°,45°

		and the second s			
	J		THE OF D	RANING	APPROVED
	PREPAREO	MINISTRY OF PUBLIC WORKS  DIRECTORATE GENERAL OF HUMAN SETTLEMENTS	<b>\</b> : '	CENERAL PLAN OF	*.
_	CHECKED			IN-SITU BRIDGE	DATE
_	SUBMITTED	JAPAN INTERNATIONAL COUPERATION ACCOUNT	DAC NO		· · · · · · · · · · · · · · · · · · ·
	DATE	THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT		J-70-10-701	
1	UA7E	THE CITY OF JAKARIA	1		



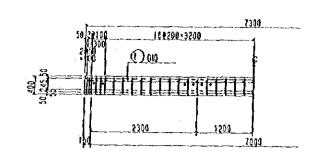


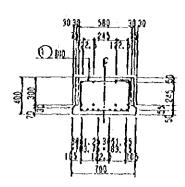
GENERAL PLABOX CULVERT PLATE NO. 142 PROFIL Box Culvert (Space) L = 288 0m 11 00 B\* 2.2m x 1 fone 10.00 9 00 \_ High Water Level (Step 2) 5.00 5.00\_ 4.00 F: 1.000 Dt: 2.00 Design Channel Bed Slope 1=1/260 Levec Crest Channel Bed Comutative — Distance ( m ) Distance ( m ) MW22 +42.2 MW23 Cross Section No. Omeans manhate for maintenance noics: (1) Option Level
(2) Heightered Lond
(3) Existing Road Surface
(4) Lowest Bottom
(5) B Channel Width PREPARED. TITLE OF DRAWING MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF HUMAN SETTLEMENTS Mean Sea Level (TTG) APPROVED GENERAL PLAN OF BOX CULVERT PROFILE-2 снесжев. JAPAN INTERNATIONAL COOPERATION AGENCY THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT IN OF JAKARTA SUBHITTED. DAC NO. DATE

REFERENCE

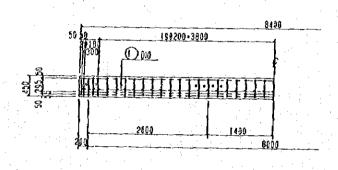
J-70-10-704

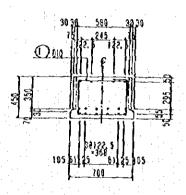
#### BM70-01



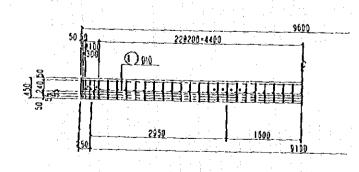


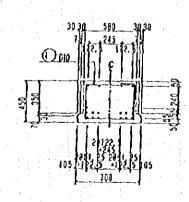
#### BM70-02



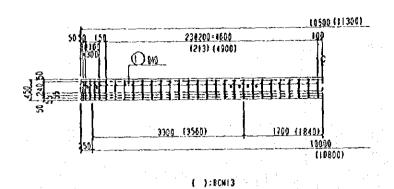


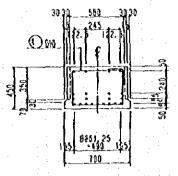
# BM70-03



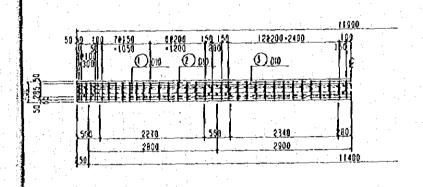


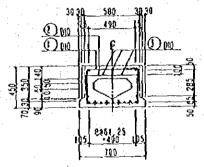
#### BM70-04



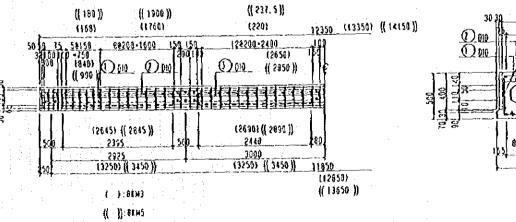


BM70-05

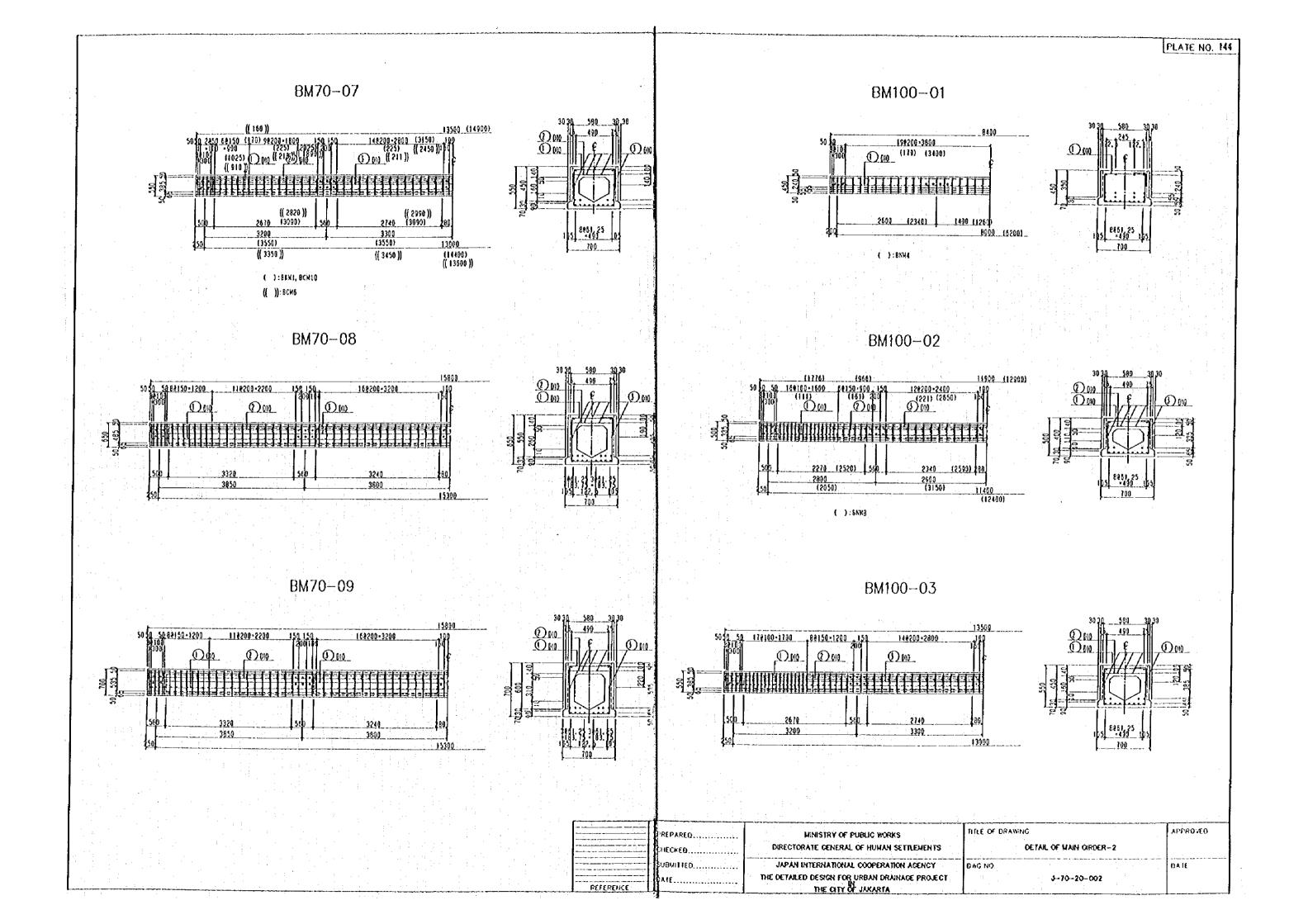


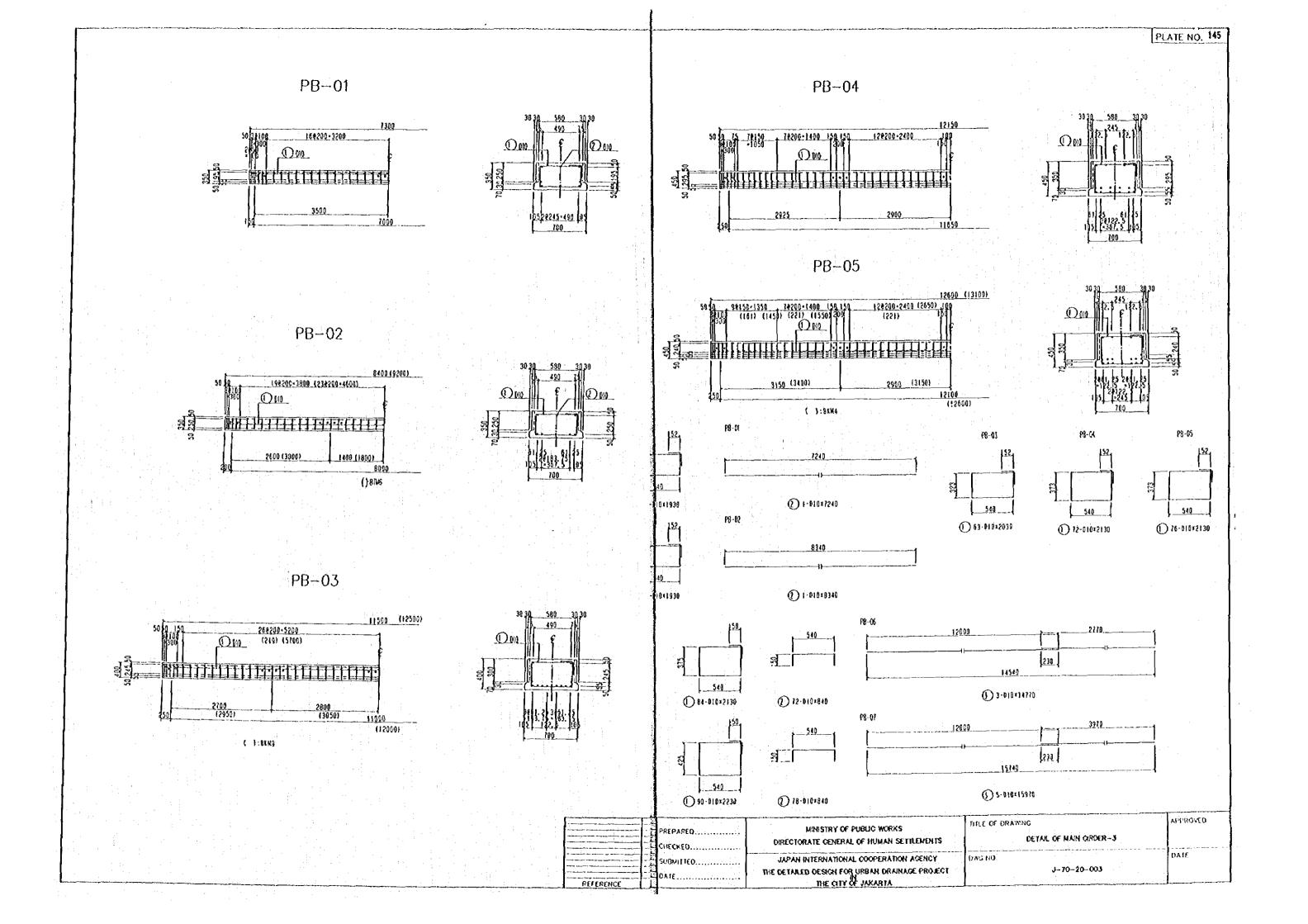


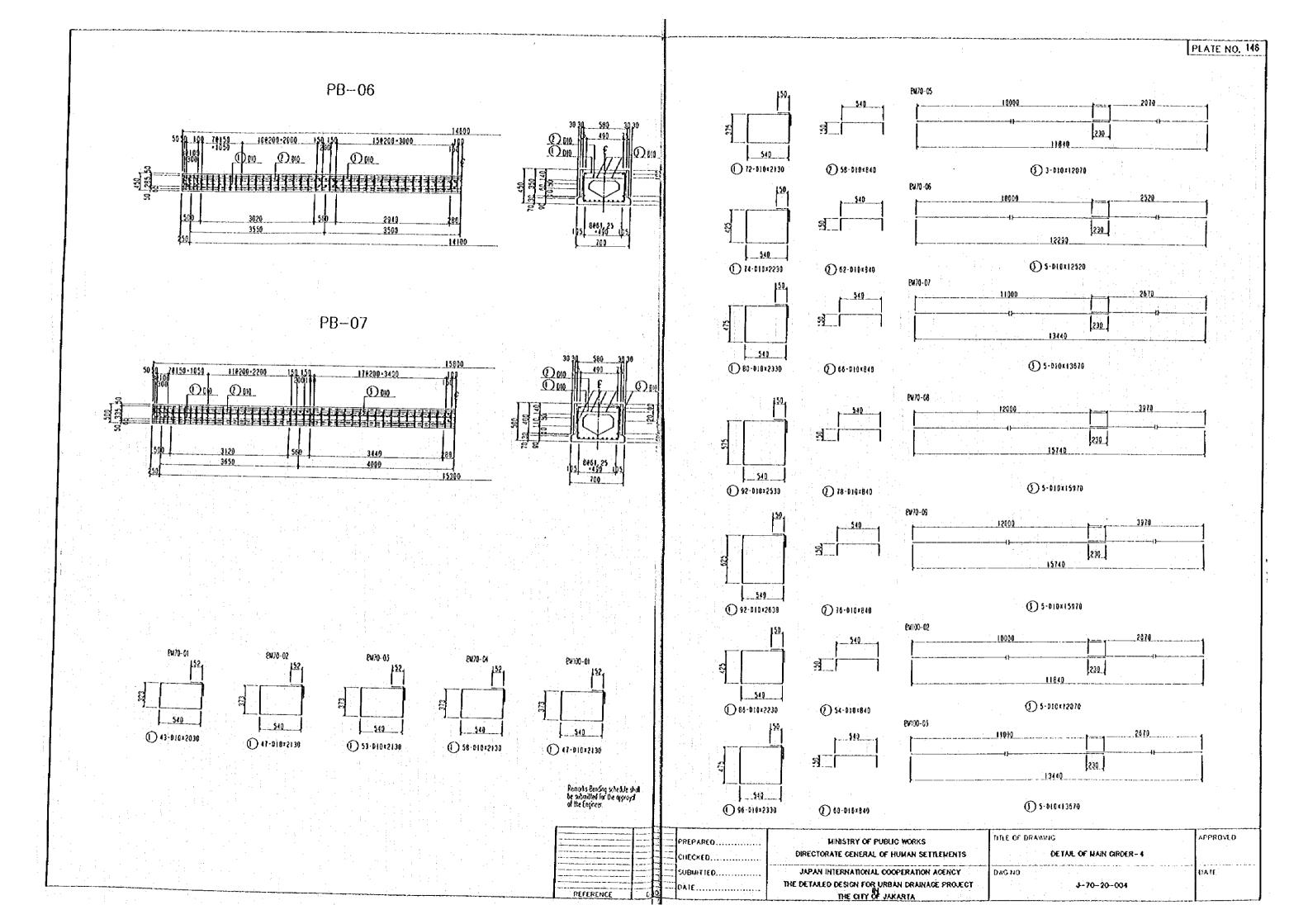
#### BM70-06

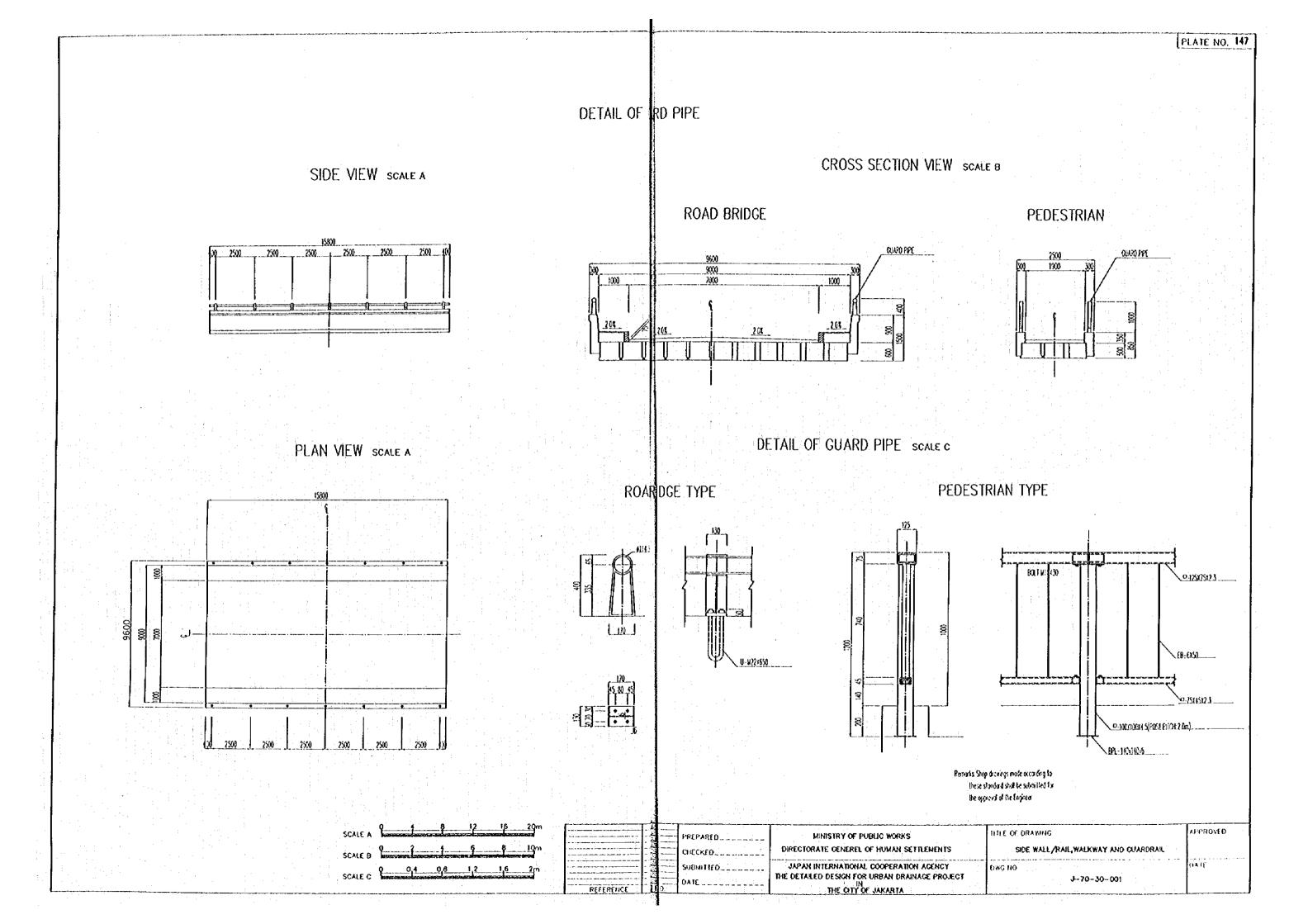


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1	PREPAREO.	MINESTRY OF PUBLIC WORKS	TILE OF DRAWING	APPROVLD
1	CHECKED	DIRECTORATE CENERAL OF HUMAN SETTLEMENTS	DETAIL OF MAIN GIRDER~1	معما فالعام للاستسلام
4	SUBMITTED.	JAPAN INTERNATIONAL COOPERATION AGENCY	ONG NO.	DAIE
1	DATE	THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT	J-70-20-001	]
4		THE CITY OF JAKARTA		







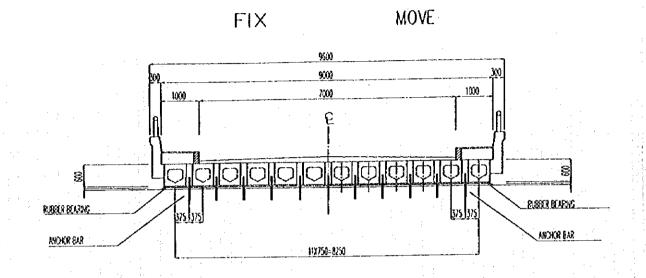


APPROVED

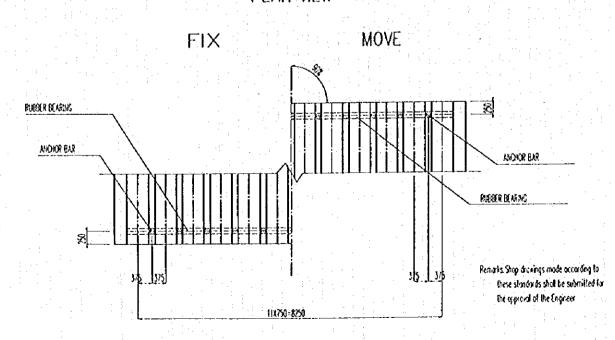
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# DETAIL BEARING

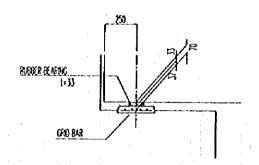
#### CROSS SECTION VIEW SCALE A

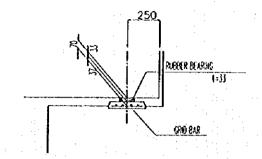


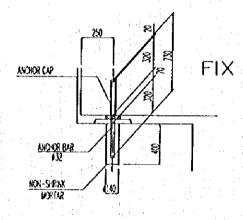
#### PLAN VIEW SCALE A

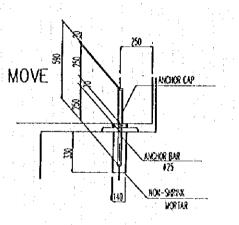


# SIDE VIEW SCALE B

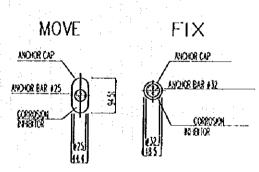




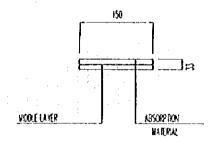




#### ANCHOR CAPS SCALE C







EARING LENGTH	· · · · · · · · · · · · · · · · · · ·	(PER ISPAN)
ROAD CASE	BRIDGE WIDTH (m)	LENGIH (m)
1-2	10.600	20.660
1-3	12.200	23.660
- II - 3	12.200	23.660
18 - 1	8 200	14.660
16-2	9,600	17.660
(i) - 3	6.600	11.660
1V-1	4 600	8 880
IV-S	3 000	5.660
!V-S	3.500	5.€60
PB	2 500	4.160

SCALE A	2	1_	6	8	_19m
SCALE B				}	4m
SCALE C	0.2	0,4	0,6	0,8	<u>.</u> jn

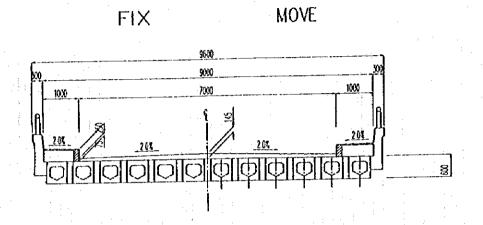
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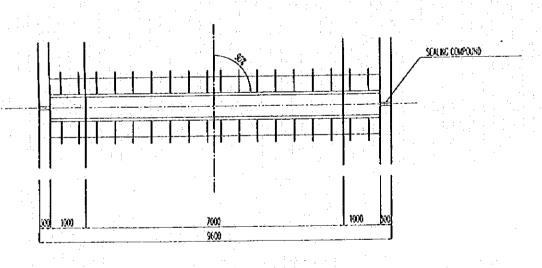
MINISTRY OF PUBLIC WORKS	TITLE OF DRAWING	}
DIRECTORATE GENERAL OF HUMAN SETTLEMENTS		BEARING
JAPAN INTERNATIONAL COOPERATION ACENCY	D&G NO.	
THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT IN		J-70-30-0
THE CITY OF JAYARTA		

# DETAIL OF ENTION JOINT

#### CROSS SECTION VIEW SCALE 1/100



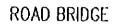
# PLAN VIEW SCALE 1/100

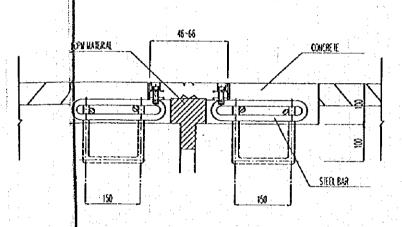


SCALE	2 3		<u> </u>	- 1	100
SCALE	0.0	0,4	0,6	0,8	<u></u>
SCALE	Contraction of the Contraction o	0,2	0,4		0.6a

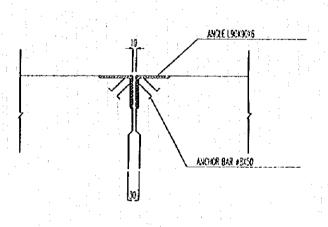


#### SECTION OF EXPANTION JOINT SCALE 1/10

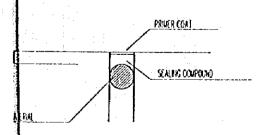




#### PEDESTRIAN



TAIL OF SEALING COMPOUND SCALE 1/6



<b>EXPANSION I</b>	LENGTH	(PER ISPAN)
ROAD CASE	BRIDGE WIDTH (m)	LENGTH (m)
1-5	10 500	21.200
1-3	12.200	24 400
R - 3	12 200	24.400
)[] <b>- 1</b>	8.200	16.400
III - 5	9.600	19.200
II) = 3	6.600	13.200
1V-1	4.600	9.200
iV-S	3.000	6.000
IV-S	3.500	7.000
P. B	2.500	5,000

Remarks Ship drawings made according to these standards shall be submitted for the approval of the Engineer

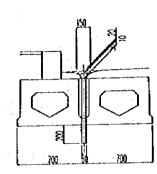
	PREPAREO	MINISTRY OF PUBLIC WORKS	THE OF DRAWING	APPROVED
$\exists$	CHECKED	DIRECTORATE GENERAL OF HUMAN SETTLEMENTS	EXPANSION	
	SUBMITTED	JAPAN INTERNATIONAL COOPERATION AGENCY THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT	DNG NO.	OATE
	DATE	THE CITY OF JAKARTA	J-70-30-003	

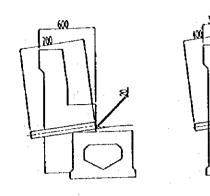
DR GE

# SECTION OF DRAIN BASINSCALE 1/40

#### WITH SIDEWALK



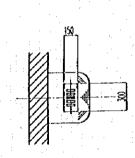


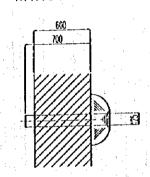


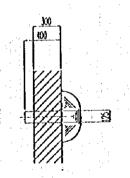
# PLAN OF DRAIN BASINSCALE 1/40

WITH SIDEWALK

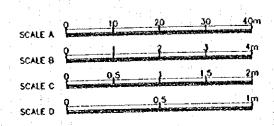
WITHOUT SIDEWALK AND PEDESTRIAN

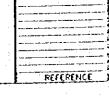






MATERIAL				(PER UNIT)
	WITH SIDE	VALK		
DESCRIPTION	SIZE	UNIT	WEIGHT	REMARKS
CAP	1-PL 300X150X10	kgf	3.54	
	2-PL 150X56X6	kqf	0.79	
DRAIN BASIN	2-PL 63X70X6	kqf	0.12	<u> </u>
ORAIN PIPE	1-0100X50X3.2X840	kqf	5.89	W=7.01kq!/m
Oliver C	1 2100.00.00.00.00.00			<u> </u>
<del></del>		TOTAL	10.54	
4.5	WITHOUT SIDWWALK	AND PEDE	STRIAN	<u></u>
DESCRIPTION	SIZE	UNIT	WEIGHT	REMARKS
ORAIN PIPE	I-0125X75X2 3X700	kql	4.87	W=5.95kgf/m
DRAIN PIPE	1-0125X75X2.3X400	kat	2.78	W=5 95kq1/m
OKANI FILE		-		

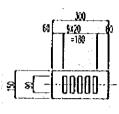


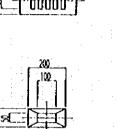


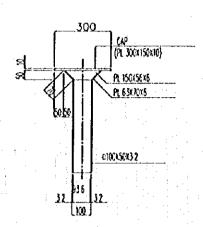
# DETAIL OF DRAINAGE SCALE 1/20 WITH SIDEWALK

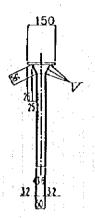
DETAIL OF CAP

DETAIL OF DRAIN PIPE





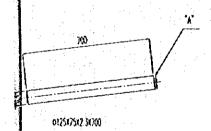


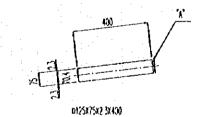


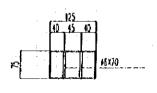
WITHOUT SIDEWALK AND PEDESTRIAN SCALE 1/10

DETAIL OF DRAIN PIPE

DETAIL OF "A"







KEY PLAN SCALE 1/400

SIDEWALK

WITHOUT SIDEWALK

PEDESTRIAN

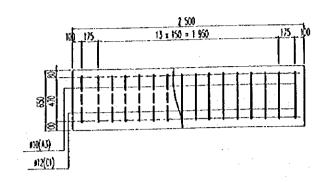




Remarks: Stop drawings made according to these standards shall be submitted for the approval of the Englises

	PREPARED	MINISTRY OF PUBLIC WORKS	TITLE OF DRAWING	APPROVED
	CHECKED	DIRECTORATE GENEREL OF HUMAN SETTLEMENTS	DRAINAGE	
	SUBMITTED	JAPAN INTERNATIONAL COOPERATION AGENCY THE DETAILED DESIGN FOR URBAN DRAMAGE PROJECT IN	OAG NO	DATE
•	DAIR	THE CITY OF JAKARTA	J-70-30-004	

#### SIDE VIEW

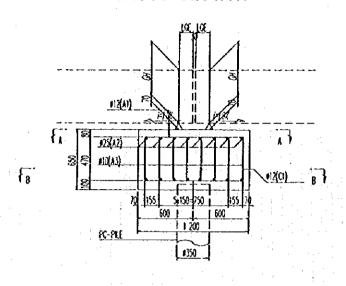


PLAN 8 - 8

					٠.	2	500	_	 	 	 	_1
101	175_				ij,	150	= [	950	 	 	 175	-1
		ſ	\$25(A2	}_								
§ #12(C1)												

Туре Diometer (mm) Length (mm) © Total Length (mm) Length / Steel frame Total of steel frame

#### CROSS SECTION



Pier with single squad piles is placed only for the pedestrian bridges. Overhanging length of the girder,  $100^\circ$  varies from 150mm to 250mm. Girler height of the new briges, OH varies from 150mm to 450mm.

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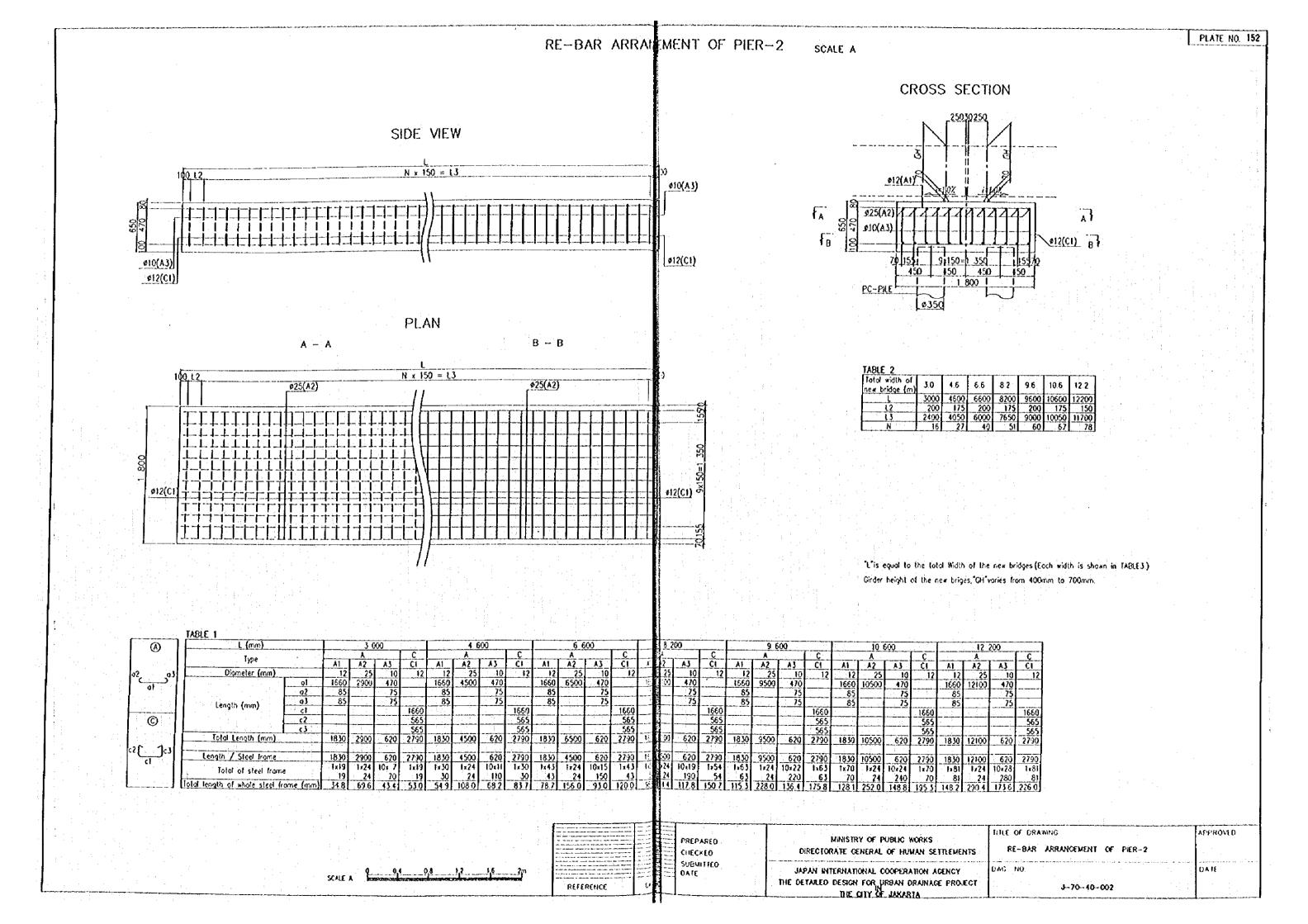
PREPARED CHECKED SUBMITTED DATE

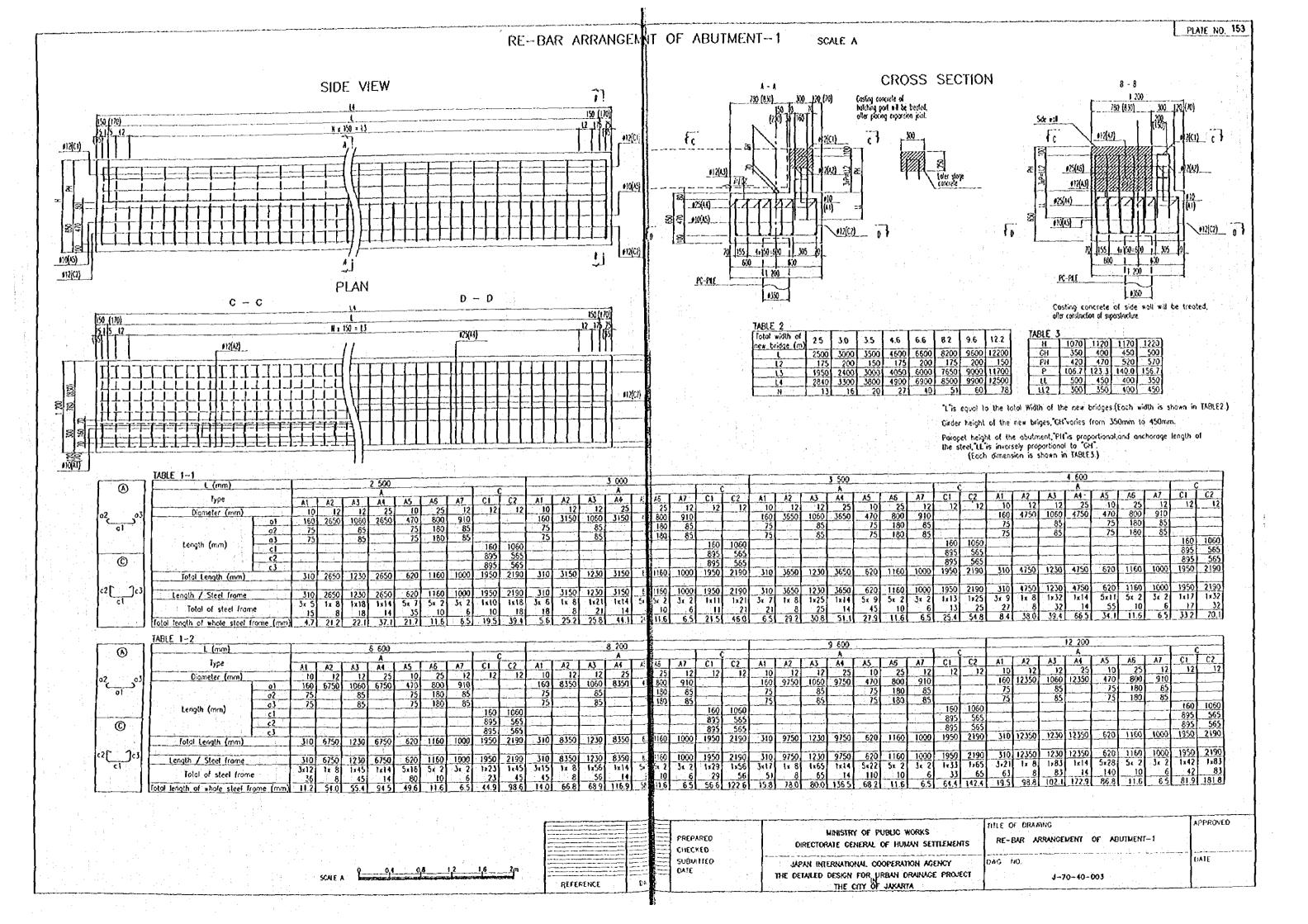
MINISTRY OF PUBLIC WORKS DIRECTORATE CENERAL OF HUMAN SETTLEMENTS

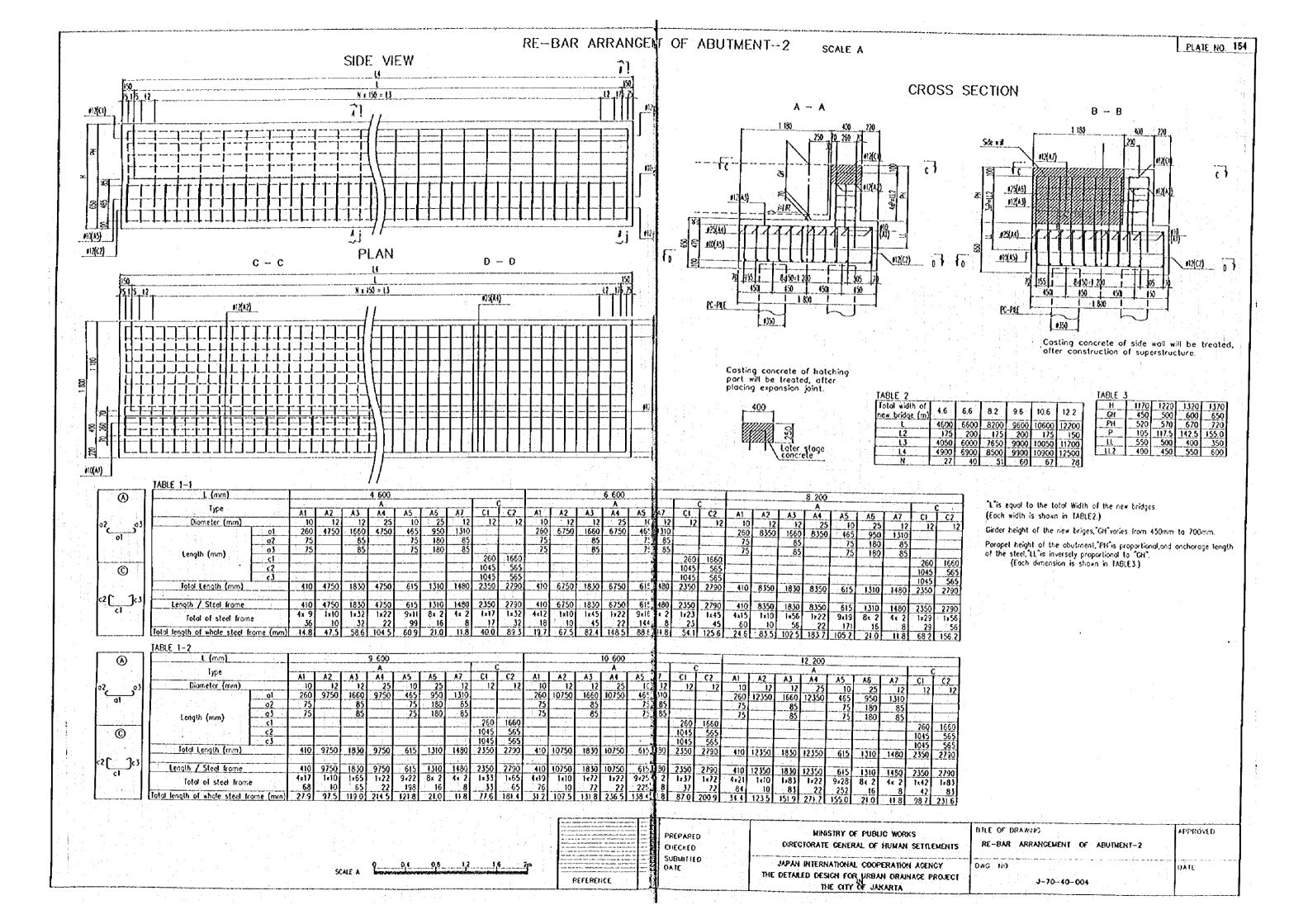
JAPAN INTERNATIONAL COOPERATION ACENCY THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT
THE CITY OF JAXARTA

APPROVED TITLE OF DRAWING RE-BAR ARRANGEMENT OF PIER-1 DA (E UWG NO

J-70-40-001



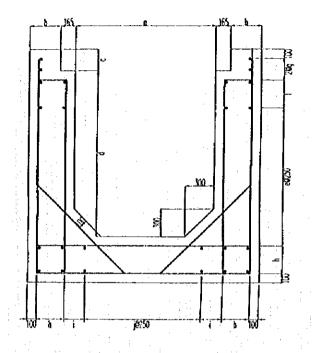


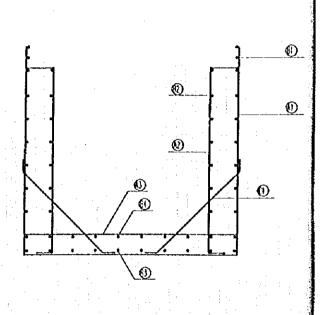


APPROVED

DATE

#### SIDE VIEW SCALE A

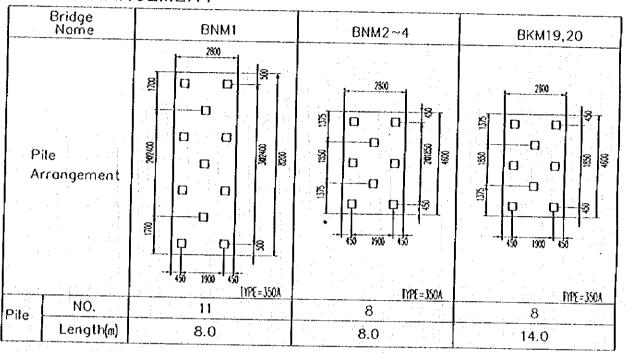




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BMM2	1.0	. :	1,	1770	- 6	270			100	1.1
вммз		Į .	· ·	1800	6	300				
BMM4			1	1800		300				
BMM5	1500	335	230	1,830	- 7	80	115	300	225	5
BMM6		- 1	:	1830	7	80				
BMM7	1			1890		140				
BMM8		<u></u>		1930		180		4	: <u>:</u> ]	
BMM9				1930	7	180				
BMMIO	1			1950	3	200			1.	1
вими	1250	385	230	1670	6	170	115	350	225	- 1
BMM12				1670	6	170				
ВММ13				1670	6	170				
BMM14	2200	335	270	1370	- 5	120	135	300	200	8
BMM15				1600	6	100				1
BMM16	1200	235	230	1:170	. 5	220	115	200	200	1
BNML,			-	7.1						
BNM2		1.1			1.					
BNM3*	<b>2</b> 200	285	270	1970	- 7	220	135	250	200	8
INM1	l					i				
BKE19				1150	- 5	200				
3K1 20	2000	235	270	1300	- 1	300	135	200	225	7

# PILE ARRANGEMENT



BMM1 BMM2 BMM3 BMM1 BMM5 BMM6 BMM7	D19 <b>@</b> 125	D19 @ 250	A3	D19 @ 250	B2 D16 @ 250	B3 D13 @ 250	B4 D13 @ 250	CI D19 @ 250
8MM3 BMM4 BMM5 BMM6 BMM7	D19 @ 125	D19 @ 250	D16 @ 250	Ď19 <b>&amp;</b> 250	D16 @ 250	D13 @ 250	D13 @ 250	D19 @ 250
BMM1 BMM5 BMM6 BMM7	D19 @ 125	D19 @ 250	D16 & 250	Ď19 <b>@</b> 250	D16 @ 250	D13 @ 250	D13 @ 250	D19 @ 250
BMM5 BMM6 BMM7	D19 Ø 125	D19 @ 250	D16 & 250	Ď19 <b>&amp;</b> 250	D16 @ 250	D13 @ 250	D13 @ 250	D19 # 250
ВММ6 ВММ7	D19 Ø 125	D19 @ 250	D16 ⊕ 250	D19 @ 250	D16 @ 250	D13 @ 250	D13 @ 250	D19 @ 250
ВММ7			1010 9 200	013 6 2.30	D10 6 530	D13 & S20	D13 @ 520	1019 19 250
							,	1
				!				
BMM81								
BMM9		!		<b> </b>		<del></del>		<b></b>
3MM10		:						!
3MM11	D19 @ 125	D19 @ 250	D16 @ 250	D10 & 256	DIC & 050	D13 @ 250		
3MM12	" " " " " " " " " " " " " " " " " " "	1013 0 230	010 9 230	D13 8 250	1/10 6 2:00	D13 @ 250	D13 @ 250	D19 @ 250
3MM13	<b></b>	·	<b></b>		····	·		
3MM14	DI9 0 125	D19 @ 250	D16 @ 250	D19 @ 250	Dic o oco	510 3 050		L
MM15	1 2.3 3 12.7	1713 6 2.70	1010 9 2.00	1719 W 250	1110 @ 520	D13 @ 250	D13 @ 250	D19 @ 250
MM16	DIG Ø 125	D16 @ 250	D13 69 250	D16 @ 250	1112/2 050	512 0 050	2.0 0 0.0	
SML	100	2.00	1763 6 2307	1710 W 250	D11 # 250	DI3 @ 250	D13 @ 250	O16 @ 250
NM2		*					Ī	
INM3	D19 @ 125	DI9 @ 250	D16 @ 250	D10 44 250	D16 (3 050	0111/01/050	D10 0 050	
NM1		013 0 200	1210 6 230	D13 4 230	D16 @ 250	D12 & \$50	D13 @ 250	D19 @ 250
KE19								
KE20	D16 @ 125	DI6 @ 250	D13 @ 250	D16 @ 250	1111 4 050	D13 @ 250	(1)3 @ 250	D16 @ 250

PREPARED

MINISTRY OF PUBLIC WORKS

CHECKED

DIRECTORATE GENERAL OF HUMAN SETTLEMENTS

SUBMITTED

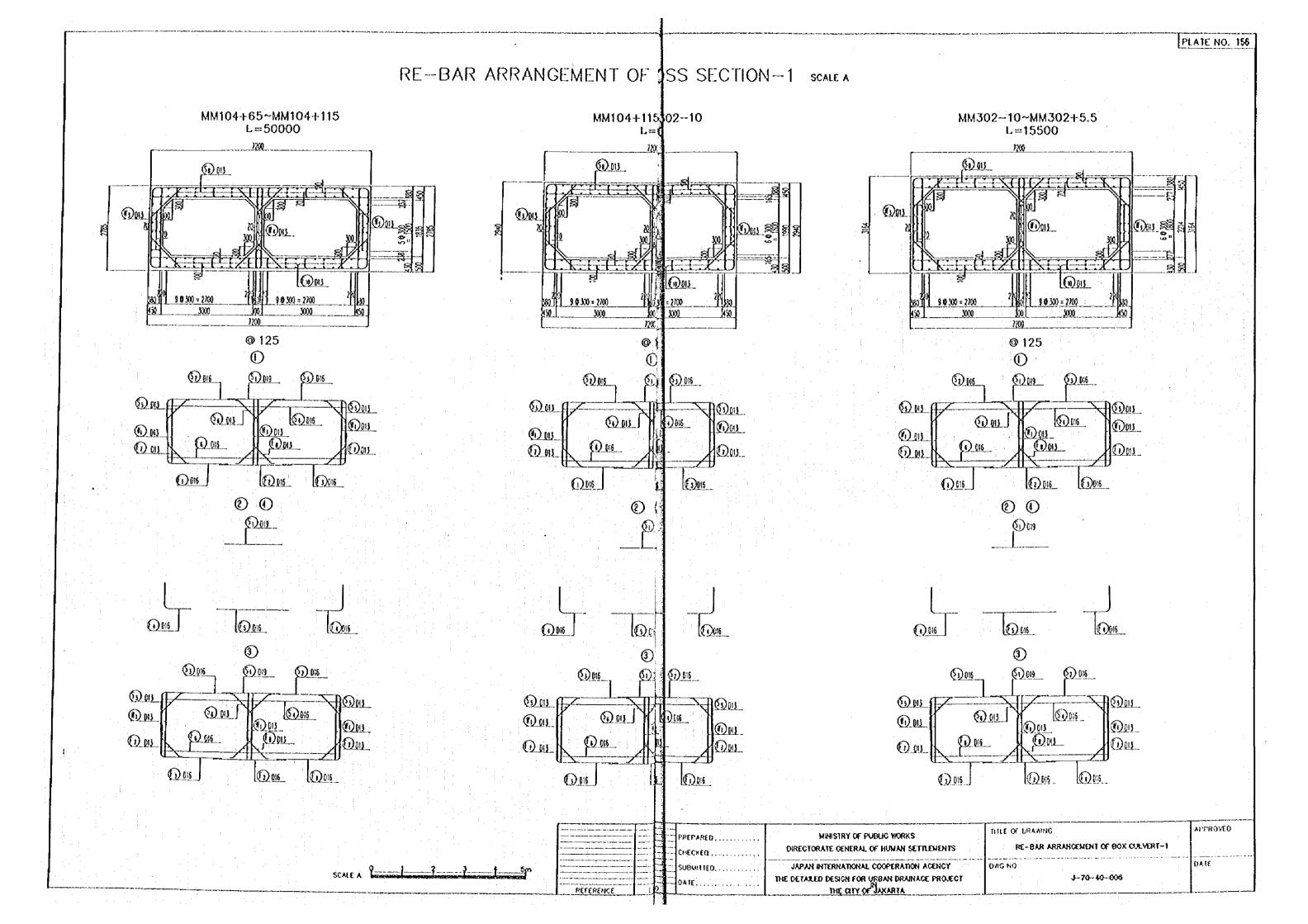
JAPAN INTERNATIONAL COOPERATION ACENCY
THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT
THE CITY OF JAKARTA

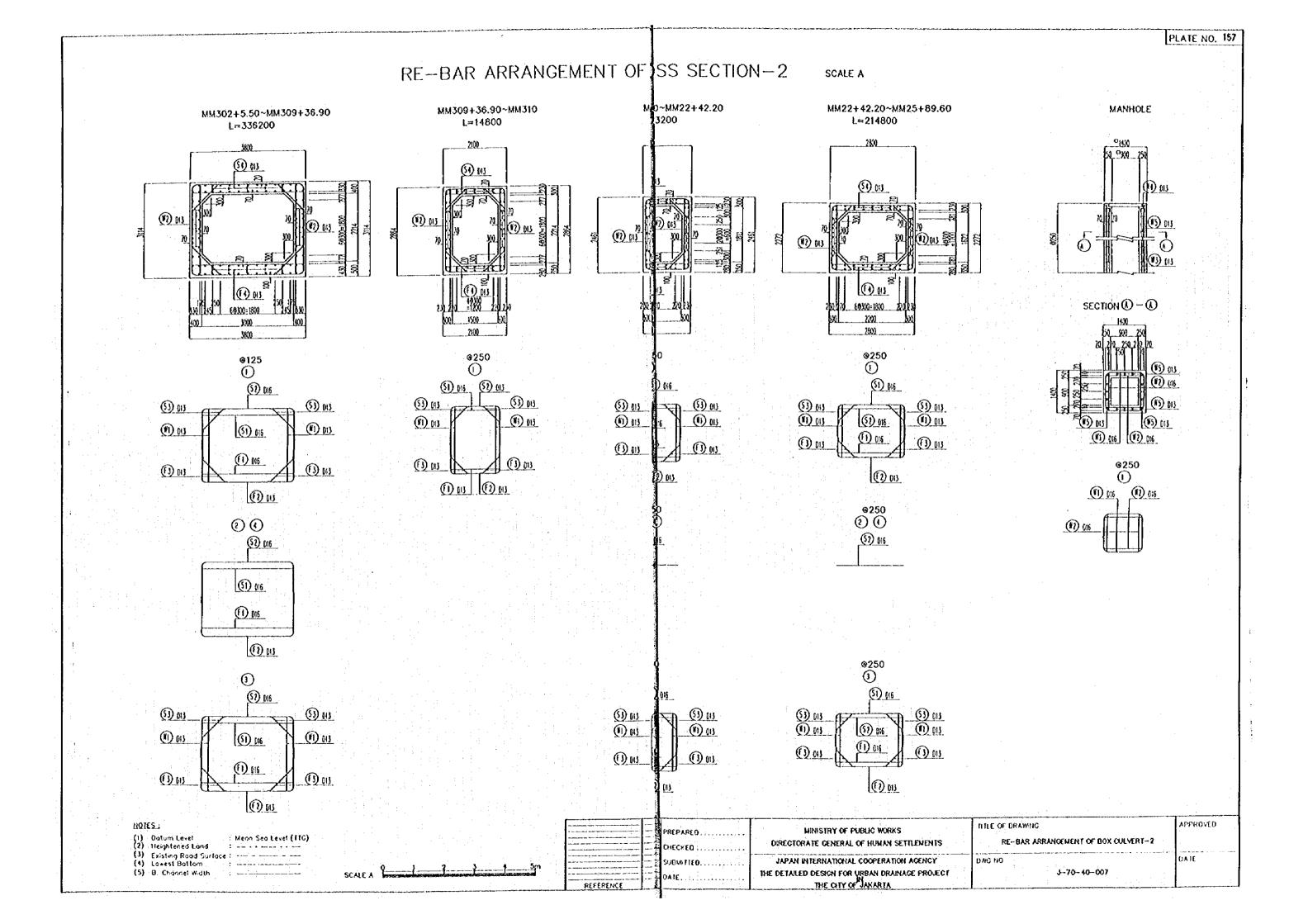
THE CITY OF JAKARTA

THE OF DRAWING

RE-BAR ARRACEMENT OF
RC SDE DITCH

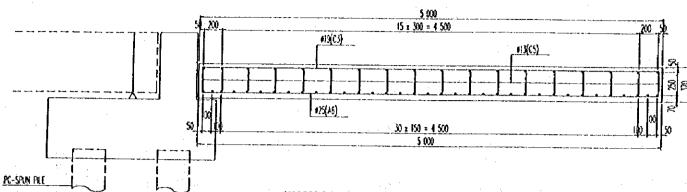
J-70-40-003





DITAIL OF PILE HEAD

#### APPROACH CUSHION SLAB



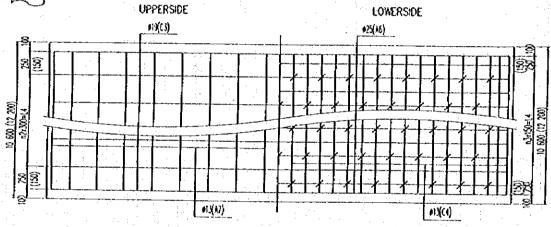


TABLE 2								-: :			
No of bridge	1 1 1			BIM-3			Γ	8NM~4	8CM-11	.8CM-1	2
L (mm)				10 600			1		12 200		
Туре	t Hatilian	l	A	L	C			A :		С	
	<u> </u>	A6	A7	C3	C4	C5	.46	A7.	C3	C4	C5
Diameter (mm)		25	13	19	13	13	10	12	12	25	10
	<u>a1</u>	4900	10400				4900	12000	1		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02			1 1 -							
Length (mm)	03			77.2							
	c1		1.0	4900	10400	290			4900	12000	290
	c2			250	250	100			250		100
<u> </u>	c3			250	250	100			250	250	100
Total Length (mm)		4900	10400	5400	10900	490	4900	12000	5400	12500	490
							1777	75555			
Length / Steel frome		4900	10400	5300	10300	490	4900	12000	5300	12500	490
Total of steel from		1×29	1×18	1×69	1x35	8×34	1,81	1x18	1x81	1×35	8:40
		29	- 18	69	. 35	272	81	18	81	35	320
old length of whole steel fr	ome (mm)	142.1	187.2	3726	381.5		306.0	216.0		4375	156.6

#### 7. QUALITY

#### Raw Material

Row Moterial shat be as follow:

·		
TYPE	CODE/STANDARDS	DESCRIPTION
3 Cement	SNI 15-2049-1994	Ordinary Portland Cement Type L
. Aggregates	US À 5308	Aggregates for Ready Mixed Concrete. For coarse aggregate,Max size 20mm
Chemical Admixture	ASTM C 494 or JS A 6204	Standard Specification for Chemical Admixture Type G.Colcium Chloride free. Standard Type Water Reducing Chemical Admixture
Prestressing Steel	JS G 3536	Uncoaled Stress Relieved Steel Wire & Strond For Prestressed Concrete SPW01-7mm,SPW01-9mm
Spirol Wire	JIS G 3532	tow Carbon Steet Wire SWM-B or equivalent
Joint Plate	JIS G 3101	Rolled Steel for Cenneral Structure SS-400
Water		Shall not contain any jetriment amount of alls acids salts etc.

#### compressive Strength test of concrete

Compressive Strength test will be done for each daily production work for the age of 1 day (before stress introduction). 7 days and 14 days (delivery period) and 28 days occordingly. Characteristic cube strength in accordance with Indonesian Concrete Code (PB1) 1981 should be 600 kg/cm2 (k600) or equivalent with minimum cylinder strength (fck') of 500 kg/cm2.

#### Pile Bending Test

Pile bending test of mainbody shall be made in accordance of clause 8 Bending Strength Test of JIS A 5335—1987. Unless spedified otherwise, one pile of ever 500 piles the same clameter and type produced will be proof tested by ending Strength Test. The Test will be considered as satisfactory.

#### appearance and dimension check

Apprearance and dimension check are done for each nishewd product with the following criterions:

I no visual crack occured at the load orresponding to its M crack.

Description	Toterance
Crock	No Visual Crack
Outside	+Smm
Cotside	-2mm
Wall thickness	-0mm
noi thickness	+ not specified
Length	0 3% of PC Pile Length
Angle between joint plate and pile axis	90' <b>+20'</b>

	三号	PREPARED
		CHECKED
	—· <b>当</b> -	SUBMITTED
		DATE
OFFCOENCE		' '

MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF HUMAN SETTLEMENTS

JAPAN INTERNATIONAL COOPERATION AGENCY
THE DETAILED DESIGN FOR URBAN DRAINAGE PROJECT
THE CITY OF JAKARTA

TITLE OF DRAWING

APPROACH CUSHION SLAB AND PC-PILE

DAG NO DATE

J-70-50-001

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		100			
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