




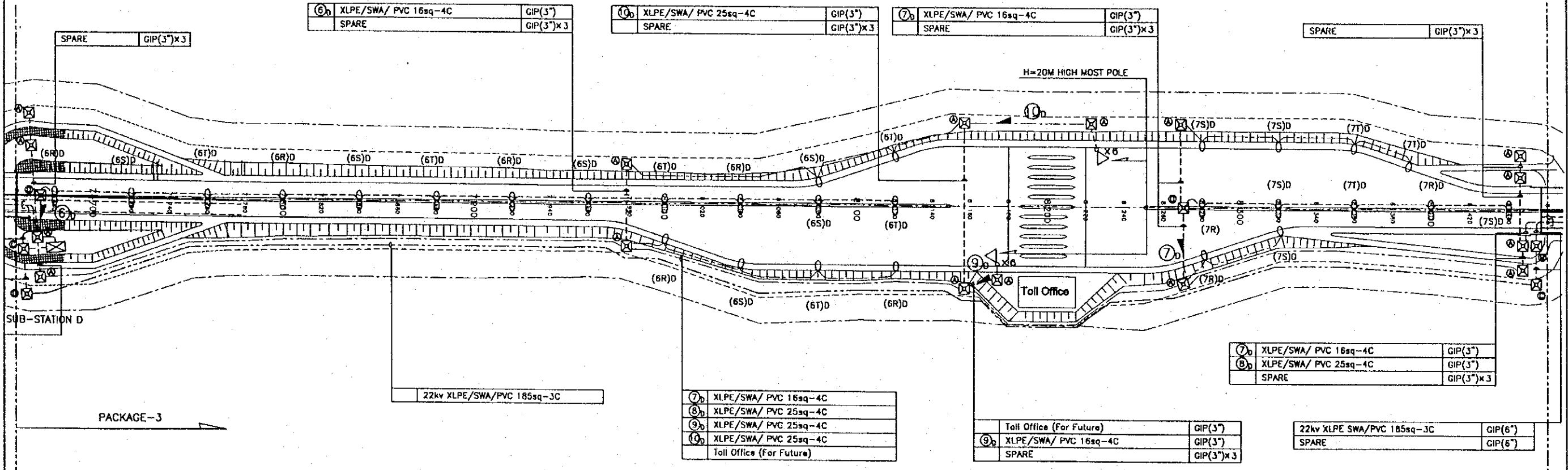

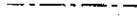




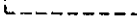












# P3/LS LIGHTING SYSTEM

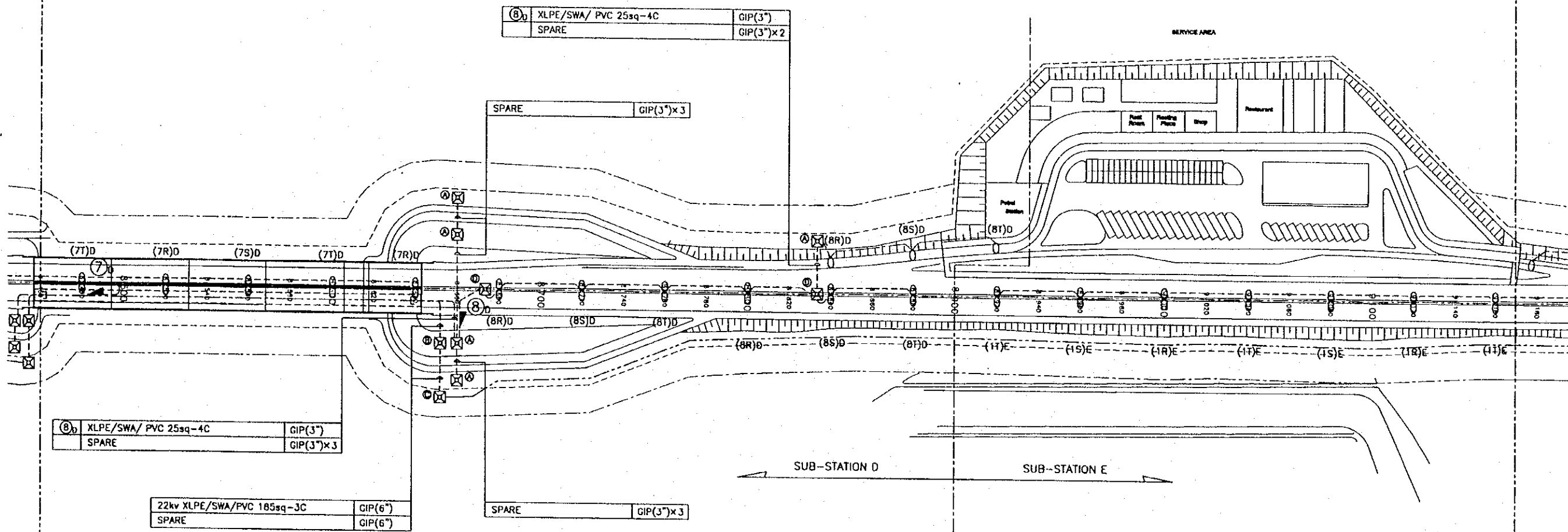
LOAD LIST OF SUB-STATION D							
CIR NO	QTY OF 	QTY OF 	QTY OF 	QTY OF 	QTY OF 	CABLE SIZE	GIP CONDUIT
① <sub>b</sub>	9					XLPE(SWA/PVC)25sq-4C	3"
② <sub>b</sub>	9					XLPE(SWA/PVC)25sq-4C	3"
③ <sub>b</sub>	9					XLPE(SWA/PVC)25sq-4C	3"
④ <sub>b</sub>	9					XLPE(SWA/PVC)16sq-4C	3"
⑤ <sub>b</sub>	5					XLPE(SWA/PVC)16sq-4C	3"
⑥ <sub>b</sub>	12	6				XLPE(SWA/PVC)16sq-4C	3"
⑦ <sub>b</sub>	10	6				XLPE(SWA/PVC)16sq-4C	3"
⑧ <sub>b</sub>	6	3				XLPE(SWA/PVC)25sq-4C	3"
⑨ <sub>b</sub>			6			XLPE(SWA/PVC)25sq-4C	3"
⑩ <sub>b</sub>			6			XLPE(SWA/PVC)25sq-4C	3"
D-3						XLPE(SWA/PVC)70sq-4C+PVC10sq	3"
D-6						XLPE(SWA/PVC)70sq-4C+PVC10sq	3"



- Note:**
-  22KV XLPE/SWA/PVC 185sq-3C
  -  Under Ground Cable
  -  GIP Conduit Pipe
  -  SPARE Conduit (For Future)
  -  Un Armoured Cable (GIP Conduit)
  -  Armoured Cable (Under Ground)
  -  Cable Rack (w/sep)
  -  Road Lighting (Single Arm)
  -  Road Lighting (Double Arm)
  -  Flood Lighting
  -  Ceiling Lighting
  -  Foundation (For Future)
  -  MAN HOLE 1500x 1500x 1500<sup>D</sup>
  -  MAN HOLE 2700x 2700x 1500<sup>D</sup>
  -  MAN HOLE 3700x 3700x 1500<sup>D</sup>
  -  MAN HOLE 1000x 1000x 1000<sup>D</sup>

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	 NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	ROAD LIGHTING LAYOUT PLAN (01)	P3/LS/0010

S=1:2000



(B) XLPE/SWA/ PVC 25sq-4C	GIP(3")
SPARE	GIP(3")x3

(B) XLPE/SWA/ PVC 25sq-4C	GIP(3")
SPARE	GIP(3")x2

SPARE	GIP(3")x3
-------	-----------

22kv XLPE/SWA/PVC 185sq-3C	GIP(6")
SPARE	GIP(6")

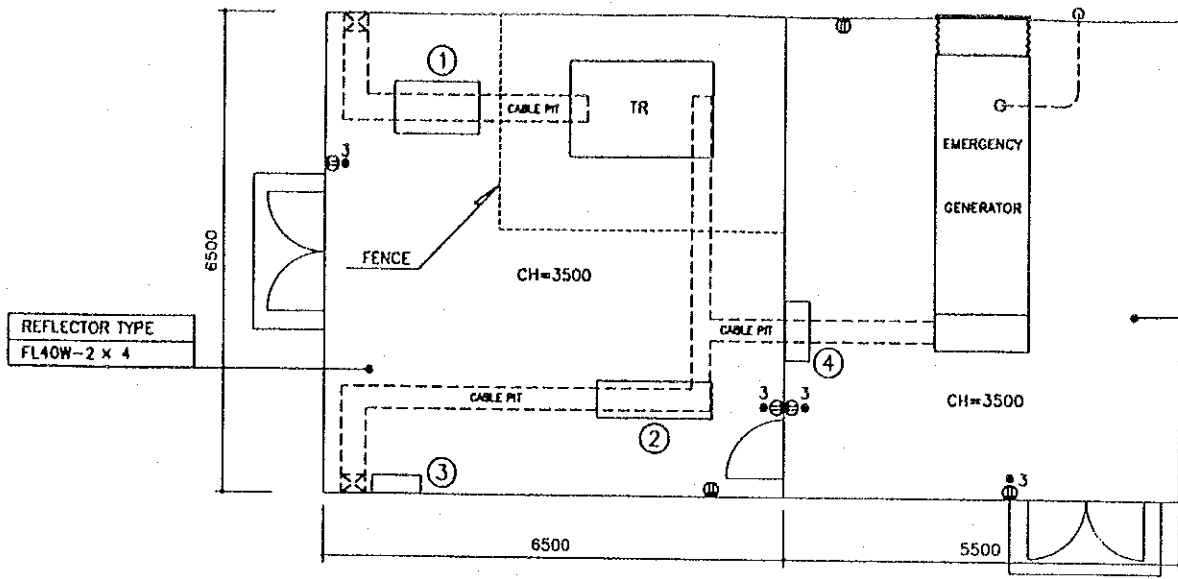
SPARE	GIP(3")x3
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Note:

- 22KV XLPE/SWA/PVC 185sq-3C
- Under Ground Cable
- GIP Conduit Pipe
- SPARE Conduit (For Future)
- Un Armoured Cable (GIP Conduit)
- Armoured Cable (Under Ground)
- Cable Rack (w/sep)
- Road Lighting (Single Arm)
- ∞ Road Lighting (Double Arm)
- △ Flood Lighting
- Ceiling Lighting
- ⊗ Foundation (For Future)
- ⊗ MAN HOLE 1500x1500x1500<sup>0</sup>
- ⊗ MAN HOLE 2700x2700x1500<sup>0</sup>
- ⊗ MAN HOLE 3700x3700x1500<sup>0</sup>
- ⊗ MAN HOLE 1000x1000x1000<sup>0</sup>

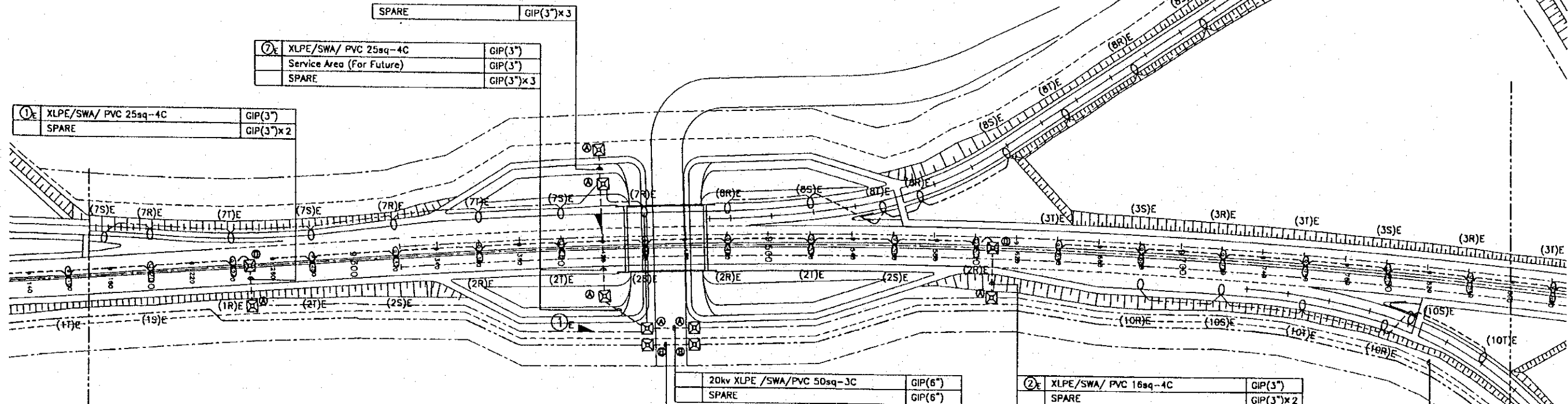
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PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM. MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME K. Nemoto	K. Nakai	K. Enomoto	ROAD LIGHTING LAYOUT PLAN (02)	P3/LS/0020
				SIGNATURE <i>K. Nemoto</i>	<i>K. Nakai</i>	<i>K. Enomoto</i>		
				DATE 20/9/2000	29/9/2000	5/10/2000		



REFLECTOR TYPE	FL40W-2 x 4
REFLECTOR TYPE	FL40W-2 x 4
S/S E	
NO.	PANEL NAME
①	RING MAIN UNIT
②	LOW VOLTAGE SWGR
③	GROUNDING TERMINAL BOX
④	SEQUENCE CONTROLLER

S/S E LAYOUT PLAN SCALE 1:100



①	XLPE/SWA/ PVC 25sq-4C	GIP(3")
	SPARE	GIP(3")x2

⑦	XLPE/SWA/ PVC 25sq-4C	GIP(3")
	Service Area (For Future)	GIP(3")
	SPARE	GIP(3")x3

	20kv XLPE /SWA/PVC 50sq-3C	GIP(6")
	SPARE	GIP(6")
①	XLPE/SWA/ PVC 25sq-4C	GIP(3")
⑦	XLPE/SWA/ PVC 16sq-4C	GIP(3")
	Service Area (For Future)	GIP(3")
	SPARE	GIP(3")x3

②	XLPE/SWA/ PVC 16sq-4C	GIP(3")
	SPARE	GIP(3")x2

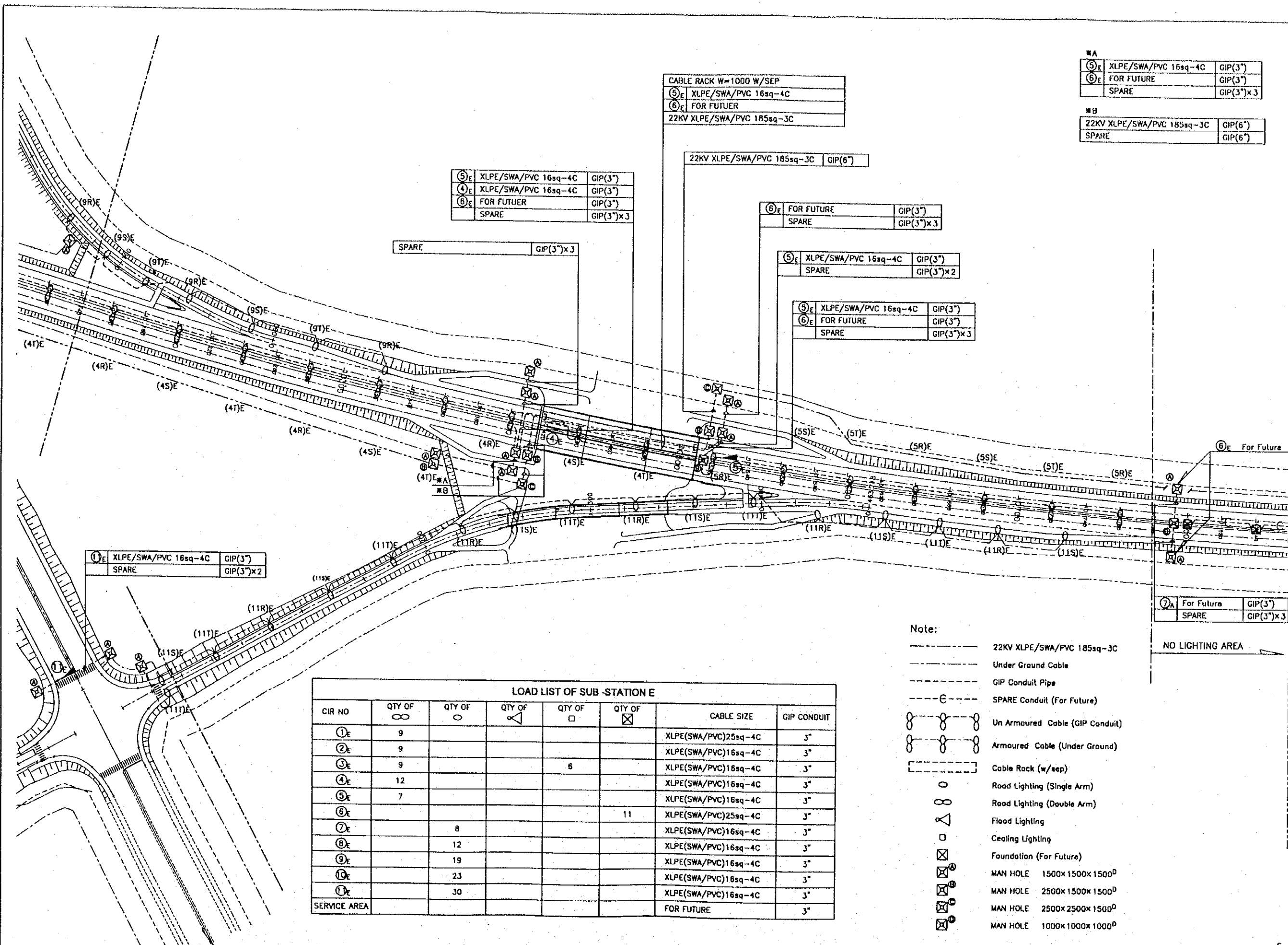
①	XLPE/SWA/ PVC 25sq-4C	GIP(3")
②	XLPE/SWA/ PVC 16sq-4C	GIP(3")
⑦	XLPE/SWA/ PVC 16sq-4C	GIP(3")
	Service Area (For Future)	GIP(3")

- Note:
- 22KV XLPE/SWA/PVC 185sq-3C
  - Under Ground Cable
  - GIP Conduit Pipe
  - SPARE Conduit (For Future)
  - Un Armoured Cable (GIP Conduit)
  - Armoured Cable (Under Ground)
  - Cable Rack (w/sep)
  - Road Lighting (Single Arm)
  - Road Lighting (Double Arm)
  - △ Flood Lighting
  - Ceiling Lighting
  - Foundation (For Future)
  - MAN HOLE 1500x1500x1500<sup>0</sup>
  - MAN HOLE 2700x2700x1500<sup>0</sup>
  - MAN HOLE 3700x3700x1500<sup>0</sup>
  - MAN HOLE 1000x1000x1000<sup>0</sup>

S=1:2000

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	ROAD LIGHTING LAYOUT PLAN (03)	P3/LS/0030





⑤ <sub>E</sub>	XLPE/SWA/PVC 16sq-4C	GIP(3")
⑥ <sub>E</sub>	FOR FUTURE	GIP(3")
	SPARE	GIP(3")x3

⑤ <sub>B</sub>	22KV XLPE/SWA/PVC 185sq-3C	GIP(6")
	SPARE	GIP(6")

CABLE RACK W=1000 W/SEP	
⑤ <sub>E</sub>	XLPE/SWA/PVC 16sq-4C
⑥ <sub>E</sub>	FOR FUTURE
22KV XLPE/SWA/PVC 185sq-3C	

⑤ <sub>E</sub>	XLPE/SWA/PVC 16sq-4C	GIP(3")
④ <sub>E</sub>	XLPE/SWA/PVC 16sq-4C	GIP(3")
⑥ <sub>E</sub>	FOR FUTURE	GIP(3")
	SPARE	GIP(3")x3

22KV XLPE/SWA/PVC 185sq-3C | GIP(6")

⑥ <sub>E</sub>	FOR FUTURE	GIP(3")
	SPARE	GIP(3")x3

⑤ <sub>E</sub>	XLPE/SWA/PVC 16sq-4C	GIP(3")
	SPARE	GIP(3")x2

⑤ <sub>E</sub>	XLPE/SWA/PVC 16sq-4C	GIP(3")
⑥ <sub>E</sub>	FOR FUTURE	GIP(3")
	SPARE	GIP(3")x3

① <sub>E</sub>	XLPE/SWA/PVC 16sq-4C	GIP(3")
	SPARE	GIP(3")x2

CIR NO	QTY OF ∞	QTY OF ○	QTY OF △	QTY OF □	QTY OF ⊠	CABLE SIZE	GIP CONDUIT
① <sub>E</sub>	9					XLPE(SWA/PVC)25sq-4C	3"
② <sub>E</sub>	9					XLPE(SWA/PVC)16sq-4C	3"
③ <sub>E</sub>	9			6		XLPE(SWA/PVC)16sq-4C	3"
④ <sub>E</sub>	12					XLPE(SWA/PVC)16sq-4C	3"
⑤ <sub>E</sub>	7					XLPE(SWA/PVC)16sq-4C	3"
⑥ <sub>E</sub>					11	XLPE(SWA/PVC)25sq-4C	3"
⑦ <sub>E</sub>		8				XLPE(SWA/PVC)16sq-4C	3"
⑧ <sub>E</sub>		12				XLPE(SWA/PVC)16sq-4C	3"
⑨ <sub>E</sub>		19				XLPE(SWA/PVC)16sq-4C	3"
⑩ <sub>E</sub>		23				XLPE(SWA/PVC)16sq-4C	3"
⑪ <sub>E</sub>		30				XLPE(SWA/PVC)16sq-4C	3"
SERVICE AREA						FOR FUTURE	3"

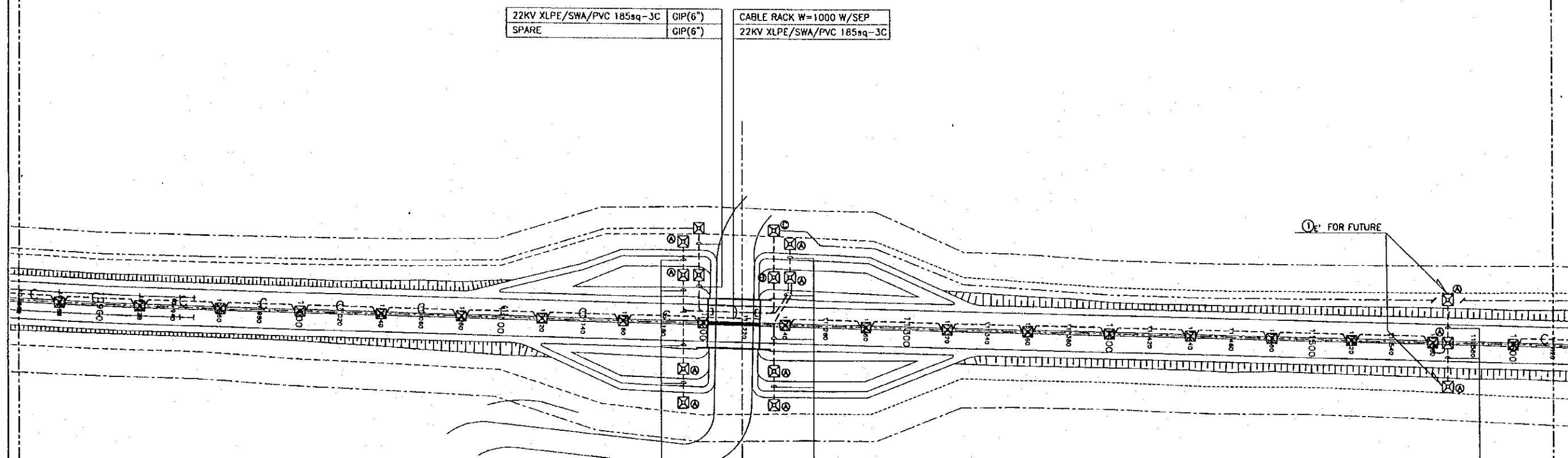
- Note:
- 22KV XLPE/SWA/PVC 185sq-3C
  - Under Ground Cable
  - GIP Conduit Pipe
  - SPARE Conduit (For Future)
  - Un Armoured Cable (GIP Conduit)
  - Armoured Cable (Under Ground)
  - ▭ Cable Rack (w/sep)
  - Road Lighting (Single Arm)
  - Road Lighting (Double Arm)
  - △ Flood Lighting
  - Ceiling Lighting
  - ⊠ Foundation (For Future)
  - ⊠ MAN HOLE 1500x1500x1500<sup>D</sup>
  - ⊠ MAN HOLE 2500x1500x1500<sup>D</sup>
  - ⊠ MAN HOLE 2500x2500x1500<sup>D</sup>
  - ⊠ MAN HOLE 1000x1000x1000<sup>D</sup>

⑦ <sub>A</sub>	For Future	GIP(3")
	SPARE	GIP(3")x3

NO LIGHTING AREA

S=1:2000

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPON KOEI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE ROAD LIGHTING LAYOUT PLAN (05)	DWG NO. P3/LS/0050
				NAME K. Nemoto	K. Nakai	K. Enomoto		
				SIGNATURE <i>K. Nemoto</i>	<i>K. Nakai</i>	<i>K. Enomoto</i>		
				DATE 20/9/2000	29/9/2000	5/10/2000		



Note:

- 22KV XLPE/SWA/PVC 185sq-3C
- Under Ground Cable
- GIP Conduit Pipe
- SPARE Conduit (For Future)
- ○ ○ Un Armoured Cable (GIP Conduit)
- ○ ○ Armoured Cable (Under Ground)
- Cable Rack (w/sep)
- Road Lighting (Single Arm)
- ○ Road Lighting (Double Arm)
- △ Flood Lighting
- Ceiling Lighting
- ⊗ Foundation (For Future)
- ⊗ MAN HOLE 1500x1500x1500<sup>φ</sup>
- ⊗ MAN HOLE 2500x1500x1500<sup>φ</sup>
- ⊗ MAN HOLE 2500x2500x1500<sup>φ</sup>
- ⊗ MAN HOLE 1000x1000x1000<sup>φ</sup>

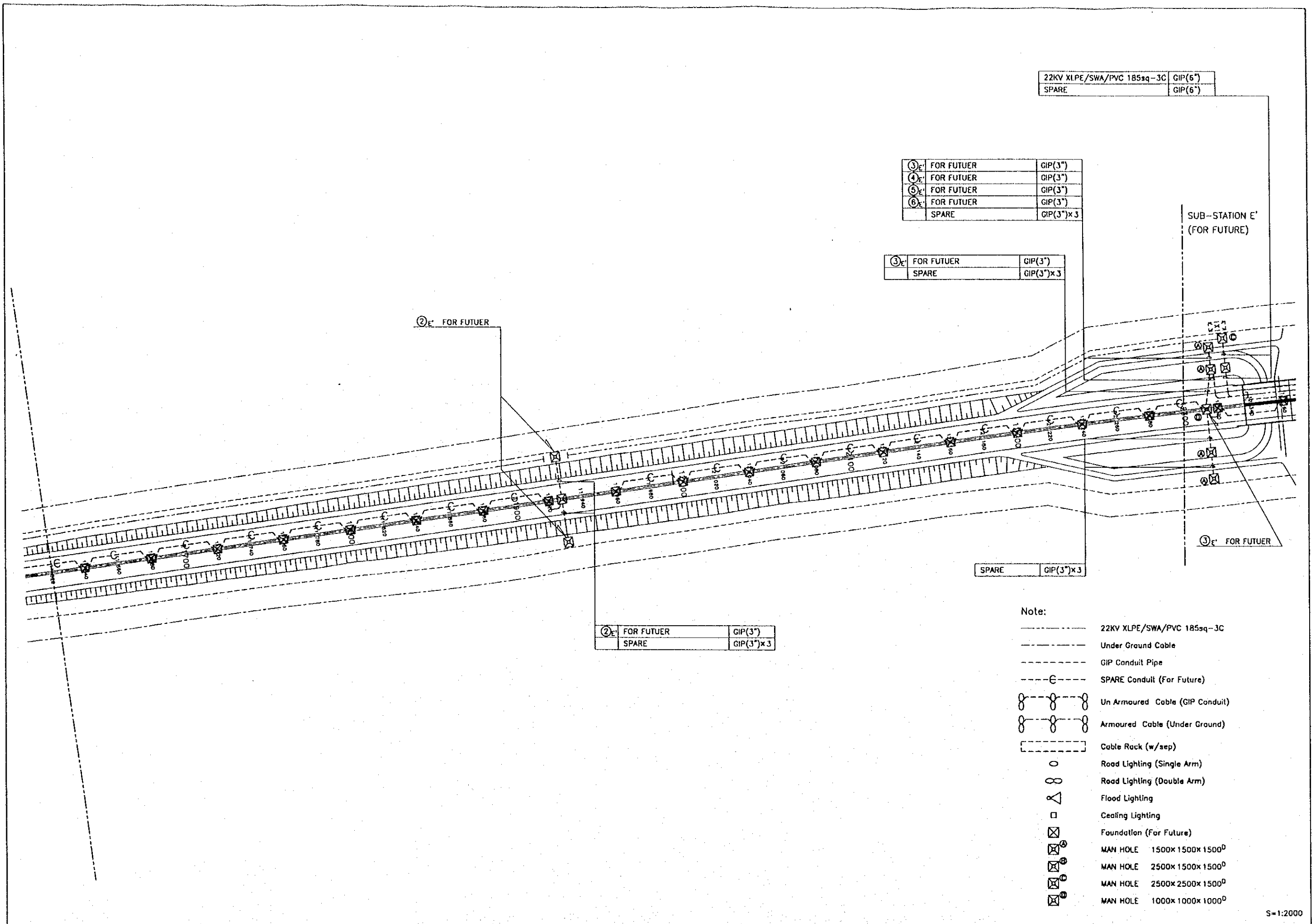
22KV XLPE/SWA/PVC 185sq-3C	GIP(6")	CABLE RACK W=1000 W/SEP
SPARE	GIP(6")	22KV XLPE/SWA/PVC 185sq-3C

① FOR FUTUER	GIP(3")
FOR FUTUER	GIP(3")x3

SPARE	GIP(3")x3
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S=1:2000

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000	NAME K. Nakai SIGNATURE <i>K. Nakai</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	ROAD LIGHTING LAYOUT PLAN (06)	P3/L.S/0060



22KV XLPE/SWA/PVC 185sq-3C	GIP(6")
SPARE	GIP(6")

③E FOR FUTUER	GIP(3")
④E FOR FUTUER	GIP(3")
⑤E FOR FUTUER	GIP(3")
⑥E FOR FUTUER	GIP(3")
SPARE	GIP(3")x3

③E FOR FUTUER	GIP(3")
SPARE	GIP(3")x3

SUB-STATION E'  
(FOR FUTURE)

②E FOR FUTUER

③E FOR FUTUER

SPARE	GIP(3")x3
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②E FOR FUTUER	GIP(3")
SPARE	GIP(3")x3

- Note:
- 22KV XLPE/SWA/PVC 185sq-3C
  - Under Ground Cable
  - GIP Conduit Pipe
  - SPARE Conduit (For Future)
  - ⊗ Un Armoured Cable (GIP Conduit)
  - ⊗ Armoured Cable (Under Ground)
  - ⊗ Cable Rack (w/sep)
  - Road Lighting (Single Arm)
  - ∞ Road Lighting (Double Arm)
  - △ Flood Lighting
  - Ceiling Lighting
  - ⊗ Foundation (For Future)
  - ⊗ MAN HOLE 1500x 1500x 1500<sup>0</sup>
  - ⊗ MAN HOLE 2500x 1500x 1500<sup>0</sup>
  - ⊗ MAN HOLE 2500x 2500x 1500<sup>0</sup>
  - ⊗ MAN HOLE 1000x 1000x 1000<sup>0</sup>

S=1:2000

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NK NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	ROAD LIGHTING LAYOUT PLAN (07)	P3/LS/0070



③ <sub>E</sub>	FOR FUTUER	GIP(3")
④ <sub>E</sub>	FOR FUTUER	GIP(3")
⑤ <sub>E</sub>	FOR FUTUER	GIP(3")
⑥ <sub>E</sub>	FOR FUTUER	GIP(3")
	SPARE	GIP(3")x3

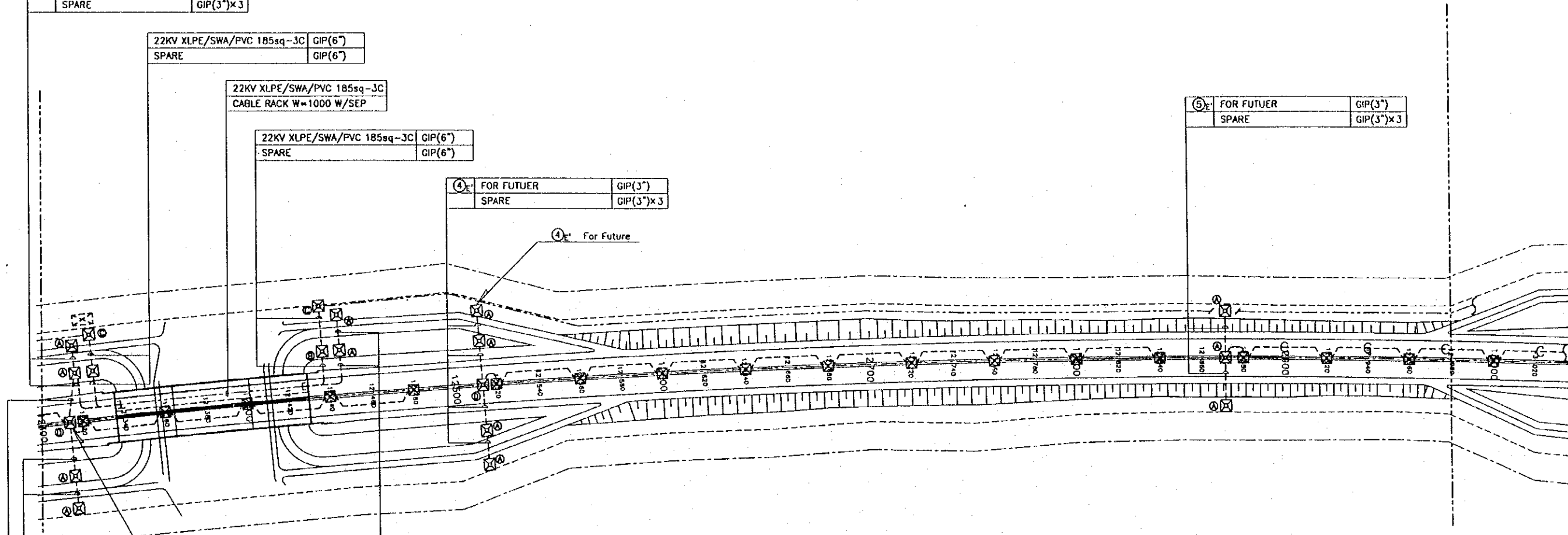
22KV XLPE/SWA/PVC 185sq-3C	GIP(6")
SPARE	GIP(6")

22KV XLPE/SWA/PVC 185sq-3C	GIP(6")
CABLE RACK W=1000 W/SEP	

22KV XLPE/SWA/PVC 185sq-3C	GIP(6")
SPARE	GIP(6")

④ <sub>E</sub>	FOR FUTUER	GIP(3")
	SPARE	GIP(3")x3

⑤ <sub>E</sub>	FOR FUTUER	GIP(3")
	SPARE	GIP(3")x3



③<sub>E</sub> FOR FUTUER

SPARE	GIP(3")x3
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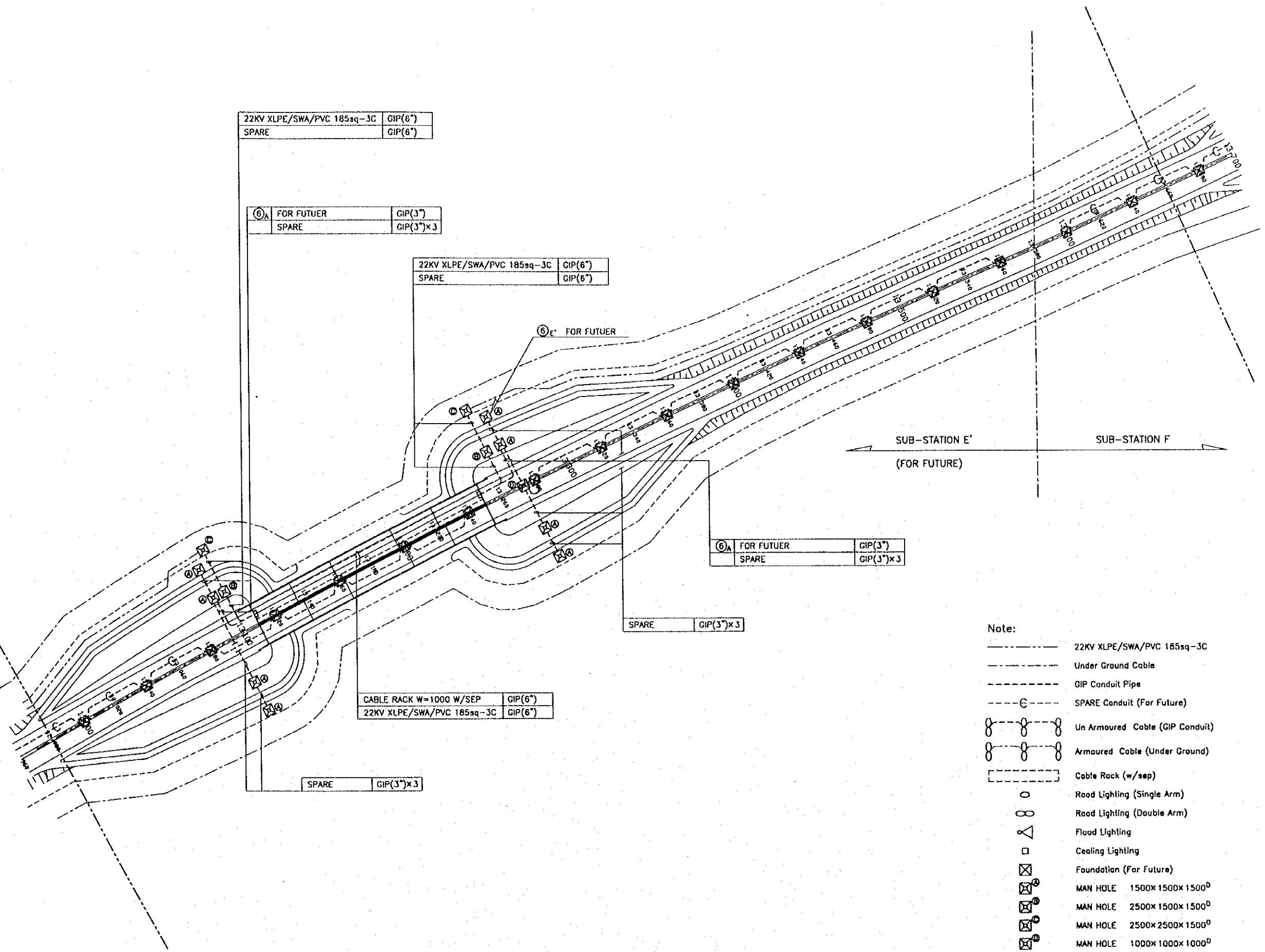
④ <sub>E</sub>	FOR FUTUER	GIP(3")
⑤ <sub>E</sub>	FOR FUTUER	GIP(3")
⑥ <sub>E</sub>	FOR FUTUER	GIP(3")
	SPARE	GIP(3")x3

③ <sub>E</sub>	FOR FUTUER	GIP(3")
	SPARE	GIP(3")x3

- Note:
- 22KV XLPE/SWA/PVC 185sq-3C
  - Under Ground Cable
  - GIP Conduit Pipe
  - SPARE Conduit (For Future)
  - ○ ○ Un Armoured Cable (GIP Conduit)
  - ○ ○ Armoured Cable (Under Ground)
  - Cable Rack (w/sep)
  - Road Lighting (Single Arm)
  - ○ Road Lighting (Double Arm)
  - △ Flood Lighting
  - Ceiling Lighting
  - ⊗ Foundation (For Future)
  - ⊗ MAN HOLE 1500x1500x1500<sup>φ</sup>
  - ⊗ MAN HOLE 2500x1500x1500<sup>φ</sup>
  - ⊗ MAN HOLE 2500x2500x1500<sup>φ</sup>
  - ⊗ MAN HOLE 1000x1000x1000<sup>φ</sup>

S=1:2000

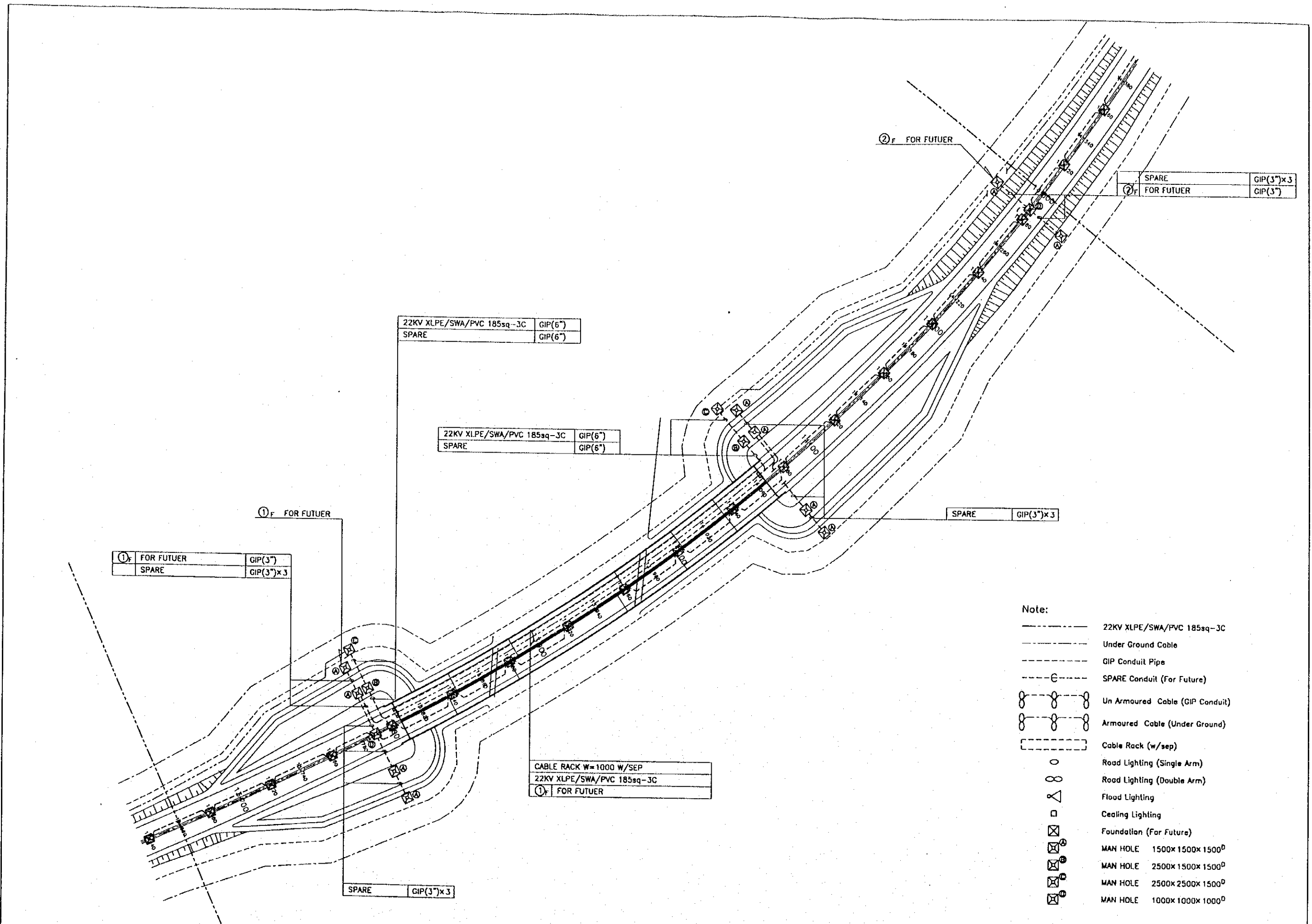
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.	
				NAME	K. Nemoto	K. Nakai			K. Enomoto
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>	<i>K. Enomoto</i>	ROAD LIGHTING LAYOUT PLAN (08)	P3/LS/0080
				DATE	20/9/2000	29/9/2000	5/10/2000		



- Note:
- 22KV XLPE/SWA/PVC 185sq-3C
  - Under Ground Cable
  - GIP Conduit Pipe
  - SPARE Conduit (For Future)
  - ○ ○ Un Armoured Cable (GIP Conduit)
  - ○ ○ Armoured Cable (Under Ground)
  - Cable Rack (w/sep)
  - Road Lighting (Single Arm)
  - ○ Road Lighting (Double Arm)
  - △ Flood Lighting
  - Ceiling Lighting
  - ⊗ Foundation (For Future)
  - ⊗ MAN HOLE 1500x1500x1500<sup>0</sup>
  - ⊗ MAN HOLE 2500x1500x1500<sup>0</sup>
  - ⊗ MAN HOLE 2500x2500x1500<sup>0</sup>
  - ⊗ MAN HOLE 1000x1000x1000<sup>0</sup>

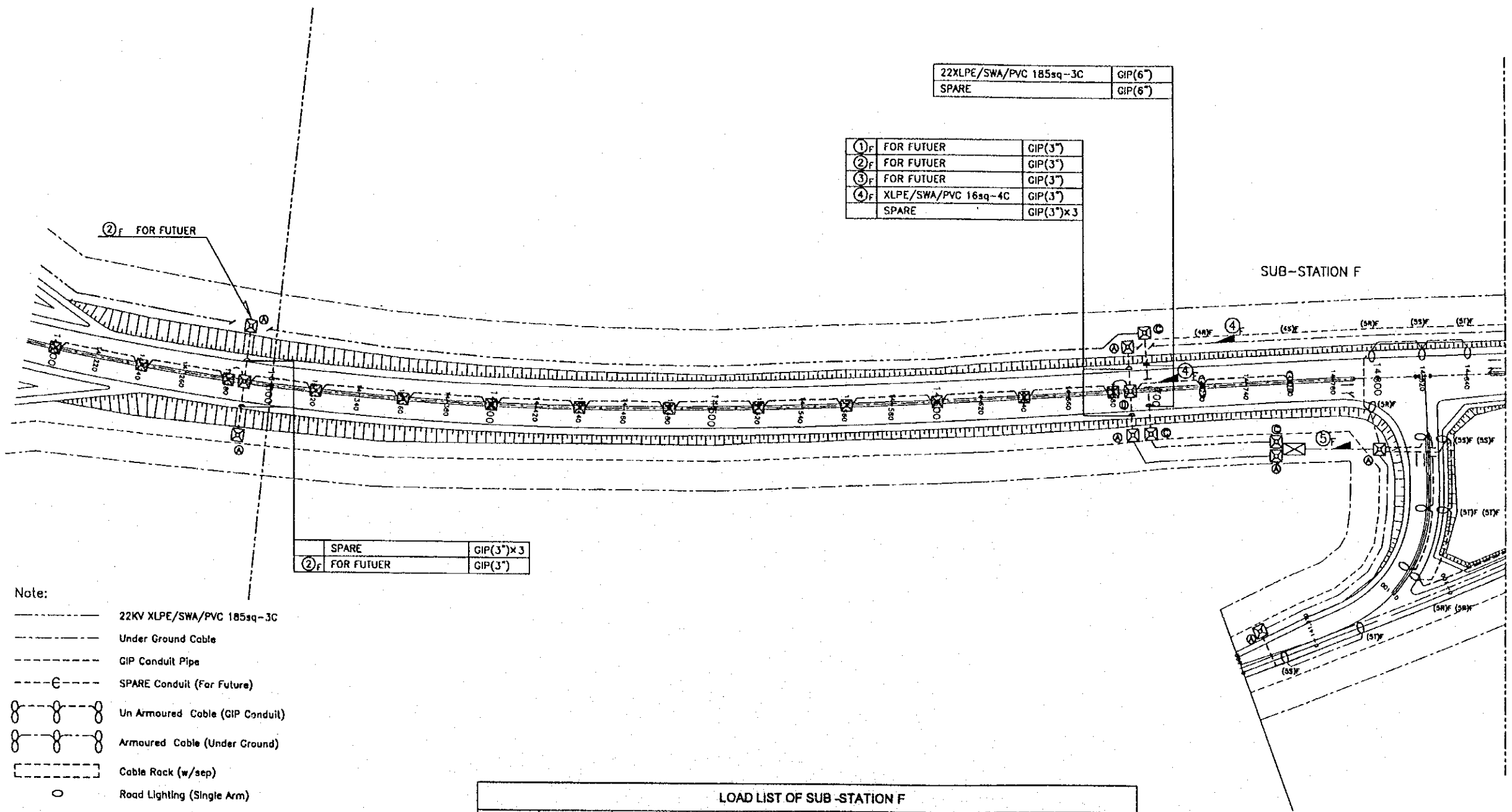
S=1:2000

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	ROAD LIGHTING LAYOUT PLAN (09)	P3/LS/0090



S=1:2000

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000	NAME K. Nakai SIGNATURE <i>K. Nakai</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	ROAD LIGHTING LAYOUT PLAN (10)	P3/LS/0100



22XLPE/SWA/PVC 185sq-3C	GIP(6")
SPARE	GIP(6")

① <sub>F</sub> FOR FUTUER	GIP(3")
② <sub>F</sub> FOR FUTUER	GIP(3")
③ <sub>F</sub> FOR FUTUER	GIP(3")
④ <sub>F</sub> XLPE/SWA/PVC 16sq-4C	GIP(3")
SPARE	GIP(3")x3

SPARE	GIP(3")x3
② <sub>F</sub> FOR FUTUER	GIP(3")

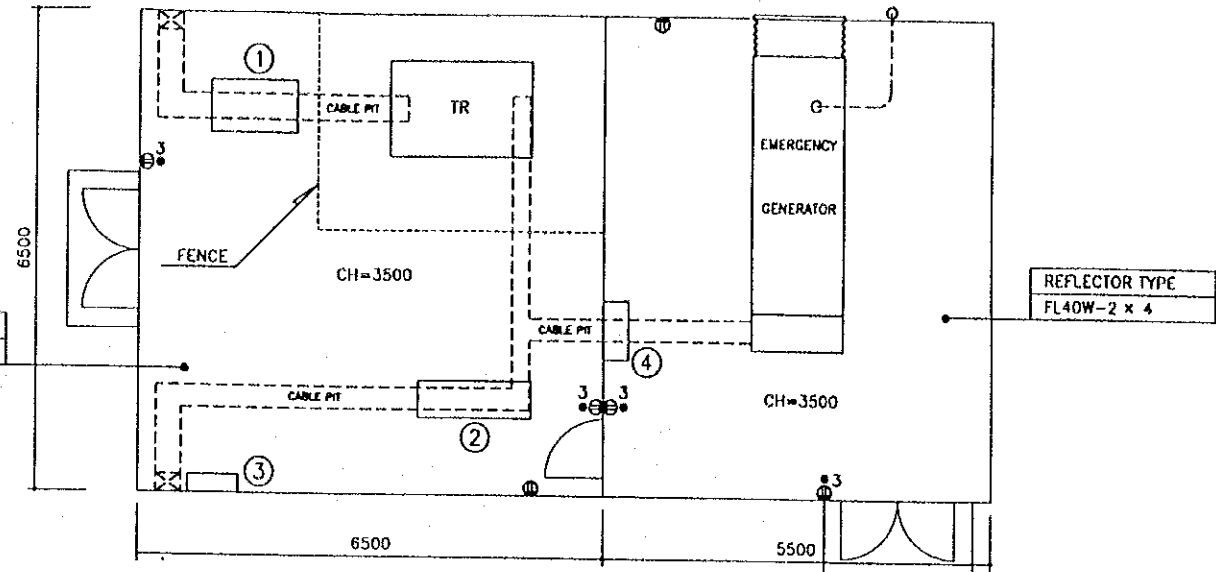
- Note:
- 22KV XLPE/SWA/PVC 185sq-3C
  - - - - Under Ground Cable
  - ..... GIP Conduit Pipe
  - ..... SPARE Conduit (For Future)
  - ○ ○ ○ Un Armoured Cable (GIP Conduit)
  - ○ ○ ○ Armoured Cable (Under Ground)
  - Cable Rack (w/sep)
  - Road Lighting (Single Arm)
  - ○ Road Lighting (Double Arm)
  - △ Flood Lighting
  - Ceiling Lighting
  - ⊗ Foundation (For Future)
  - ⊗ MAN HOLE 1500x1500x1500<sup>0</sup>
  - ⊗ MAN HOLE 2500x1500x1500<sup>0</sup>
  - ⊗ MAN HOLE 2500x2500x1500<sup>0</sup>
  - ⊗ MAN HOLE 1000x1000x1000<sup>0</sup>

CIR NO	QTY OF ∞	QTY OF ○	QTY OF △	QTY OF □	QTY OF ⊗	CABLE SIZE	GIP CONDUIT
① <sub>F</sub>	FOR FUTURE				9	XLPE(SWA/PVC)25sq-4C	3"
② <sub>F</sub>	FOR FUTURE				9	XLPE(SWA/PVC)16sq-4C	3"
③ <sub>F</sub>	FOR FUTURE				10	XLPE(SWA/PVC)16sq-4C	3"
④ <sub>F</sub>	12					XLPE(SWA/PVC)16sq-4C	3"
⑤ <sub>F</sub>		23				XLPE(SWA/PVC)16sq-4C	3"

S=1:2000

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE ROAD LIGHTING LAYOUT PLAN (11)	DWG NO. P3/LS/0110
				NAME K. Nemoto	K. Nakai	K. Enomoto		
				SIGNATURES K. Nemoto	K. Nakai	K. Enomoto		
				DATE 20/9/2000	DATE 29/9/2000	DATE 5/10/2000		

NO.	PANEL NAME
①	RING MAIN UNIT
②	LOW VOLTAGE SWGR
③	GROUNDING TERMINAL BOX
④	SEQUENCE CONTROLLER

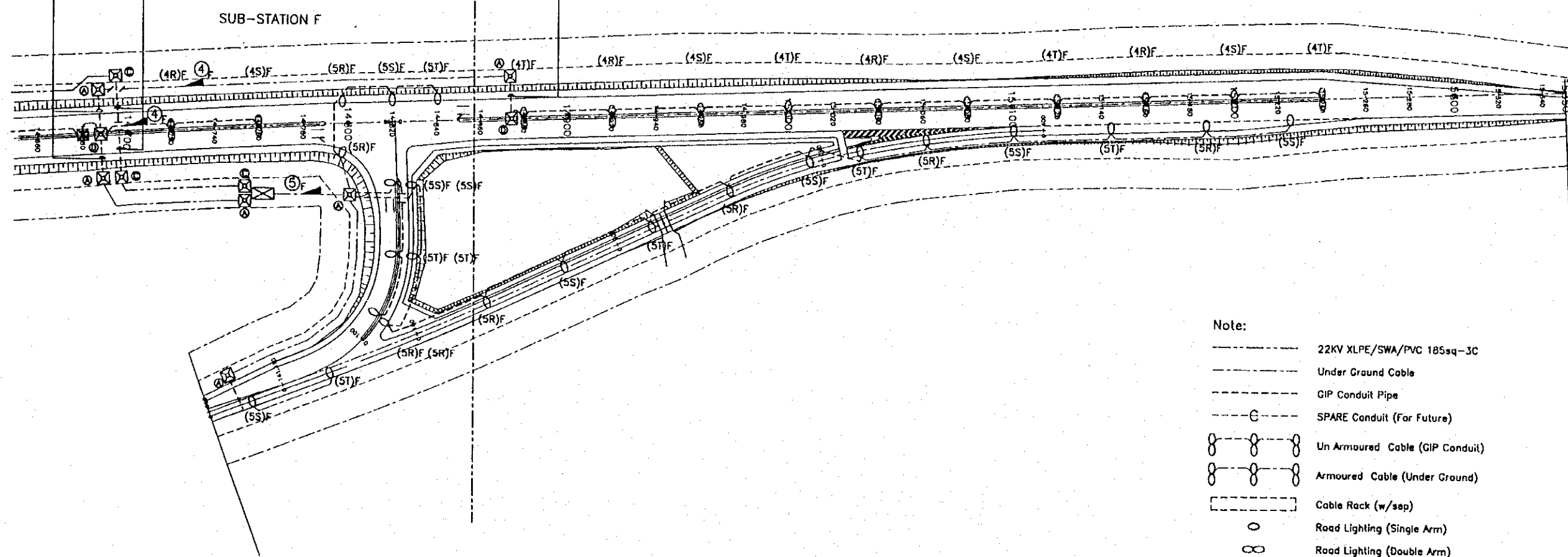


① <sub>F</sub>	FOR FUTUER	GIP(3")
② <sub>F</sub>	FOR FUTUER	GIP(3")
③ <sub>F</sub>	FOR FUTUER	GIP(3")
④ <sub>F</sub>	XLPE/SWA/PVC 18sq-4C	GIP(3")
	SPARE	GIP(3")x3

22KV XLPE/SWA/PVC 185sq-3C	GIP(6")
SPARE	GIP(6")

⑤ <sub>F</sub>	XLPE/SWA/PVC 16sq-4C	GIP(3")
	SPARE	GIP(3")x2

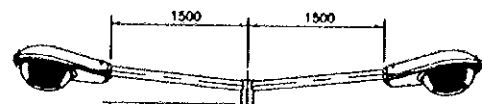
S/S F LAYOUT PLAN SCALE 1:100



- Note:
- 22KV XLPE/SWA/PVC 185sq-3C
  - Under Ground Cable
  - GIP Conduit Pipe
  - SPARE Conduit (For Future)
  - ○ ○ Un Armoured Cable (GIP Conduit)
  - ○ ○ Armoured Cable (Under Ground)
  - Cable Rack (w/sap)
  - Road Lighting (Single Arm)
  - ○ Road Lighting (Double Arm)
  - △ Flood Lighting
  - Ceiling Lighting
  - ⊗ Foundation (For Future)
  - ⊗ MAN HOLE 1500x1500x1500<sup>0</sup>
  - ⊗ MAN HOLE 2500x1500x1500<sup>0</sup>
  - ⊗ MAN HOLE 2500x2500x1500<sup>0</sup>
  - ⊗ MAN HOLE 1000x1000x1000<sup>0</sup>

S=1:2000

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.	
				NAME	K. Nemoto	K. Nakai			K. Enomoto
				SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>			<i>K. Enomoto</i>
DATE	20/9/2000	29/9/2000	5/10/2000	ROAD LIGHTING LAYOUT PLAN (12)		P3/LS/0120			



NOMINAL MOUNTING HEIGHT 11.5 m

SINGLE SECTION

WEATHER STRIP

DOOR

BASE PLATE 450x450 THICKNESS 18mm

CONCRETE GROUTING

CONDUIT FOR CABLE ENTRY

GRAVEL COMPACTED

BASE BOARD MOUNTING LUG

BASE BOARD NON-HYDROSCOPIC MATERIAL (BY BUYER)

DOOR STIFFENER

EARTHING LUG

SECT B-B



NOMINAL MOUNTING HEIGHT 11.5 m

SINGLE SECTION

WEATHER STRIP

DOOR

BASE PLATE 450x450 THICKNESS 18mm

CONCRETE GROUTING

CONDUIT FOR CABLE ENTRY

GRAVEL COMPACTED

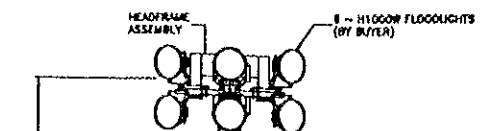
BASE BOARD MOUNTING LUG

BASE BOARD NON-HYDROSCOPIC MATERIAL (BY BUYER)

DOOR STIFFENER

EARTHING LUG

SECT B-B



NOMINAL MOUNTING HEIGHT 20 m

ANTI-VANDALISM LOCK

SERVICE DOOR (1400 x 300)

CONCRETE GROUTING

GROUND LEVEL

FOUNDATION BOLTS

CONDUIT FOR CABLE ENTRY

GRAVEL COMPACTED

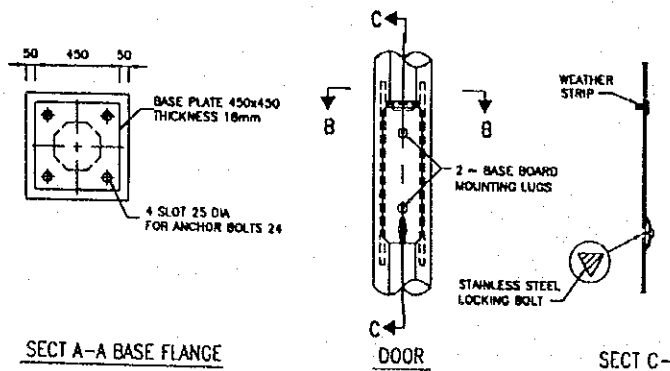
BASE BOARD MOUNTING LUG

BASE BOARD NON-HYDROSCOPIC MATERIAL (BY BUYER)

DOOR STIFFENER

EARTHING LUG

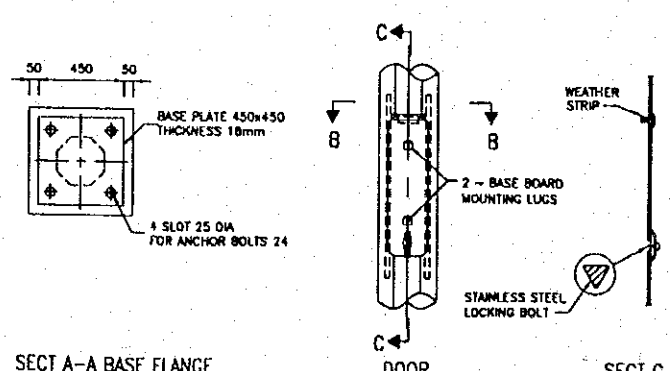
SECT B-B



SECT A-A BASE FLANGE

DOOR

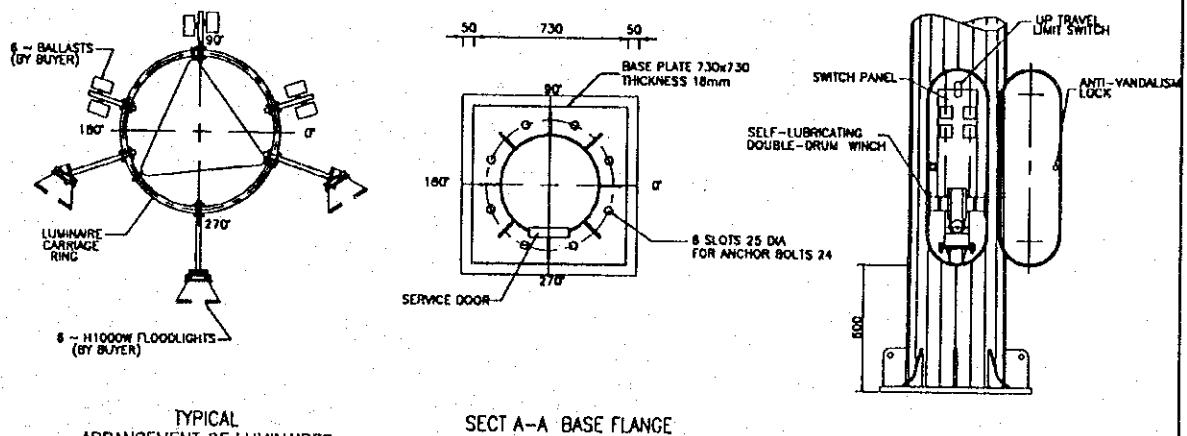
SECT C-C



SECT A-A BASE FLANGE

DOOR

SECT C-C



TYPICAL ARRANGEMENT OF LUMINAIRES

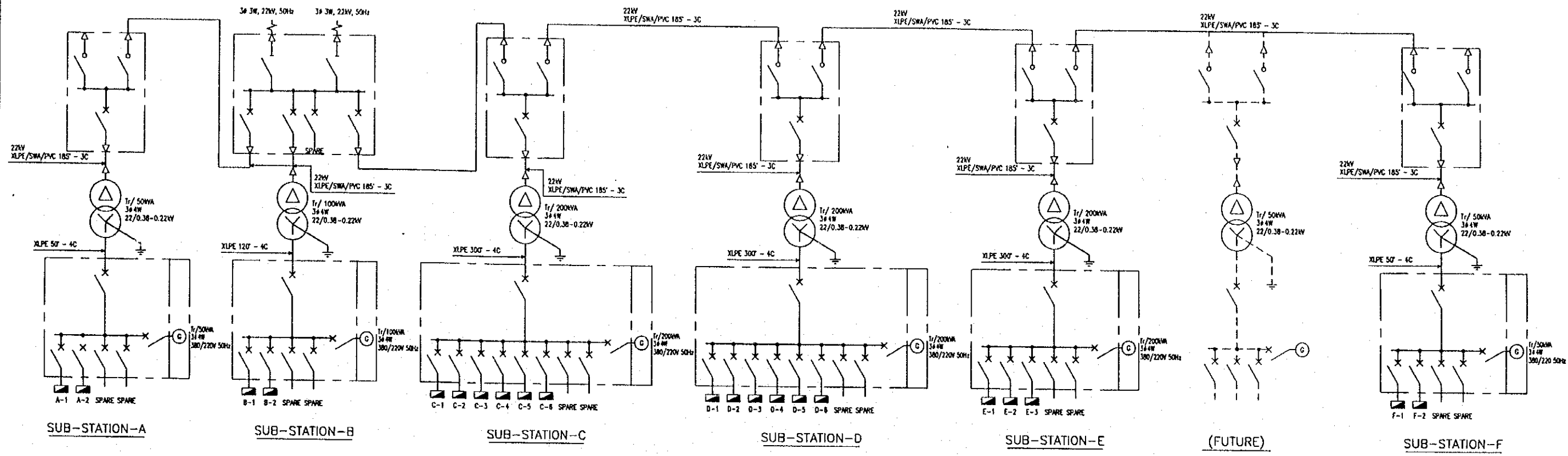
SECT A-A BASE FLANGE ARRANGEMENT OF LUMINAIRES

DOOR DETAIL

S=NONE

SYMBOL	DESCRIPTION	TYPE OF LAMP
○	A 251W, A 252W	MI 250W
◁	B 101W	H 1000W
□	C 151W	MI 150W

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	K. Nemoto	K. Nakai	K. Enomoto	LIGHTING FIXTURE FIGURE	P3/LS/0130
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		



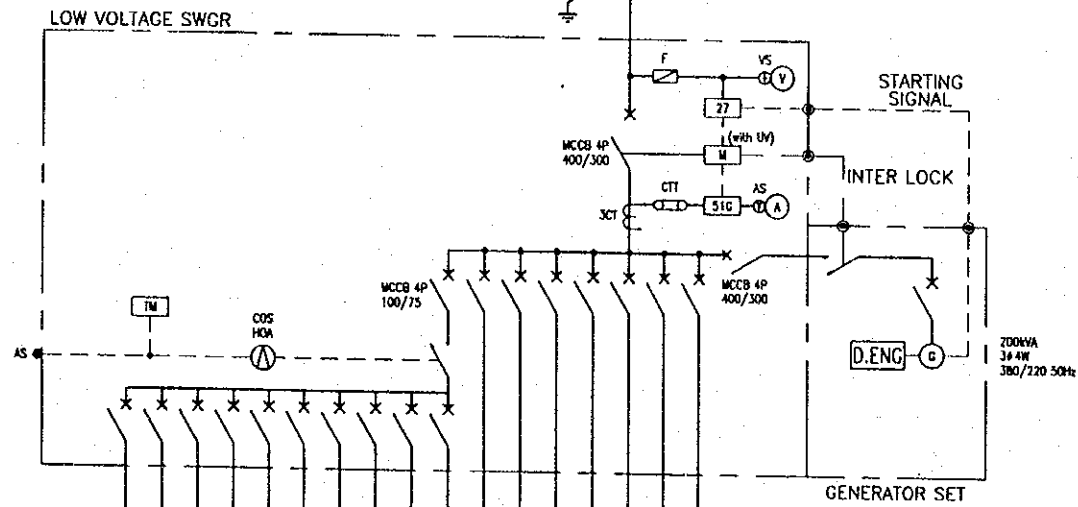
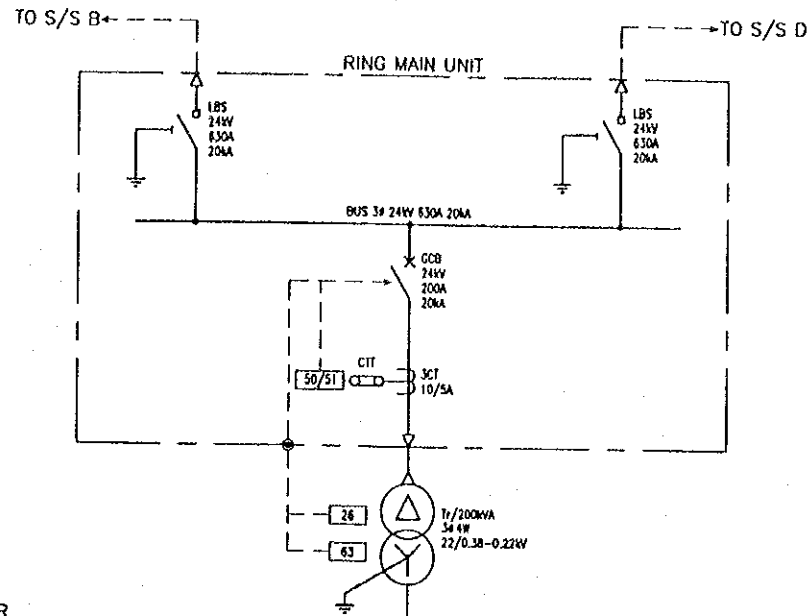
LEGEND :

- CIRCUIT BREAKER
- CABLE CONNECTION
- OIL TRANSFORMER
- DISCONNECTING SWITCH
- AC LOAD BREAK SWITCH
- GENERATOR
- DISTRIBUTION BOARD
- PHOTO SWITCH
- TIMER (24HOUR)
- UNDER VOLTAGE RELAY
- MOTOR OPERATION UNIT(W/UNDER VOLTAGE)
- GROUND OVER CURRENT RELAY
- THERMAL RELAY
- PRESSURE OF VACUUM RELAY
- OVER CURRENT RELAY

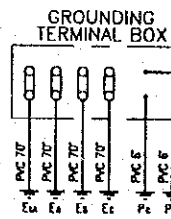
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	POWER RECEIVING SYSTEM SINGLE LINE DIAGRAM	P3/LS/0140
				SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>		
				DATE	20/9/2000	29/9/2000		
				APPROVED BY				
				DATE	5/10/2000			

S=NONE

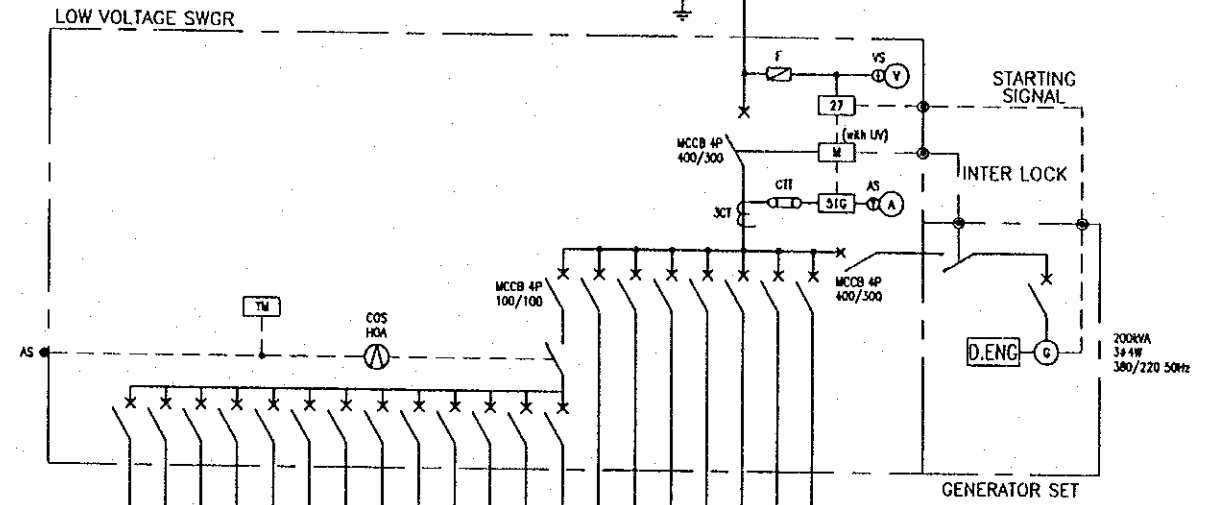
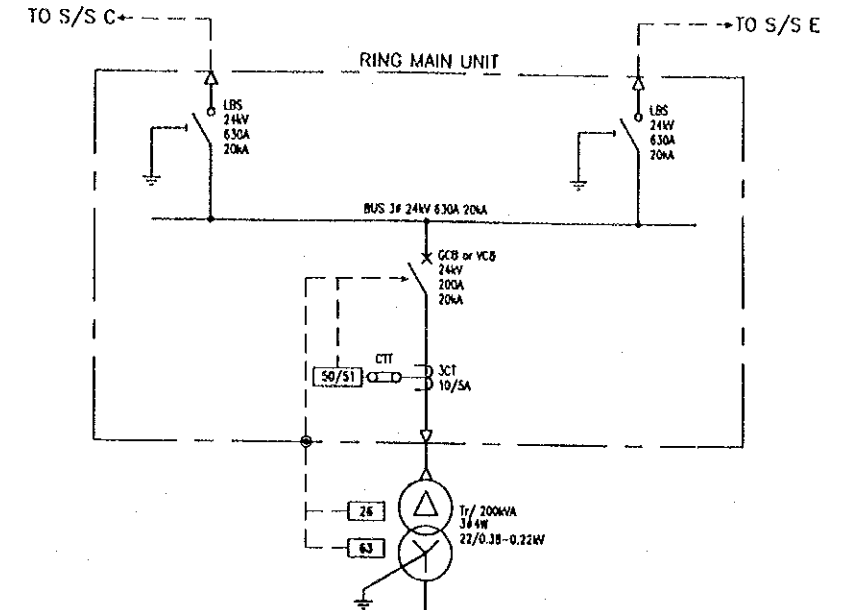
SUB-STATION-C



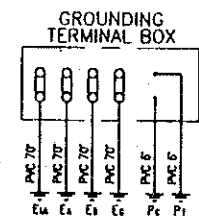
No.	LOAD NAME	CAPACITY (kW)	MAIN BREAKER CAPACITY	CABLE SIZE
1	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 18 - 4C
2	ROAD LIGHTING	6.2	MCCB 4P 50/30	XLPE 18 - 4C
3	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 18 - 4C
4	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
5	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
6	ROAD LIGHTING	1.8	MCCB 4P 50/30	XLPE 18 - 4C
7	ROAD LIGHTING	1.8	MCCB 4P 50/30	XLPE 18 - 4C
8	SPARE	1.0	MCCB 4P 50/30	-
9	SPARE	1.0	MCCB 4P 50/30	-
10	SPARE	1.0	MCCB 4P 50/30	-
C-2	5/S LIGHTING PANEL	5.0	MCCB 4P 100/50	XLPE 18 - 4C
C-3	LIGHTING FOR INSIDE OF TOWER	13.0	MCCB 4P 100/50	XLPE 70 - 4C
C-4	BRIDGE TOWER LIGHT UP (FOR FUTURE)	(30.0)	MCCB 4P 100/100	-
C-5	MAIN LOW SERVICE AREA (FOR FUTURE)	(60.0)	MCCB 4P 225/150	-
C-6	SUB MAIN PANEL	25.0	MCCB 4P 100/100	XLPE 85 - 4C
C-7	SPARE	-	MCCB 4P 100/50	-
C-8	SPARE	-	MCCB 4P 100/50	-



SUB-STATION-D



No.	LOAD NAME	CAPACITY (kW)	MAIN BREAKER CAPACITY	CABLE SIZE
1	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
2	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
3	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
4	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 18 - 4C
5	ROAD LIGHTING	5.9	MCCB 4P 50/30	XLPE 18 - 4C
6	ROAD LIGHTING	5.9	MCCB 4P 50/30	XLPE 18 - 4C
7	ROAD LIGHTING	5.9	MCCB 4P 50/30	XLPE 18 - 4C
8	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
9	FLOOD LIGHT (1)	10.6	MCCB 4P 50/30	XLPE 25 - 4C
10	FLOOD LIGHT (2)	10.6	MCCB 4P 50/30	XLPE 25 - 4C
11	SPARE	1.0	MCCB 4P 50/30	-
12	SPARE	1.0	MCCB 4P 50/30	-
13	SPARE	1.0	MCCB 4P 50/30	-
D-2	5/S LIGHTING PANEL	5.0	MCCB 4P 100/50	XLPE 18 - 4C
D-3	LIGHTING FOR INSIDE OF TOWER	13.0	MCCB 4P 100/50	XLPE 70 - 4C
D-4	LIGHTING OF TOLL BARRETT (FOR FUTURE)	(20.0)	MCCB 4P 100/75	-
D-5	BRIDGE TOWER LIGHT UP (FOR FUTURE)	(30.0)	MCCB 4P 100/100	-
D-6	SUB MAIN PANEL	25.0	MCCB 4P 100/100	XLPE 85 - 4C
D-7	SPARE	-	MCCB 4P 100/50	-
D-8	SPARE	-	MCCB 4P 100/50	-

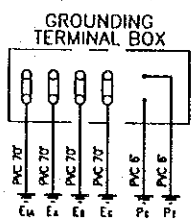
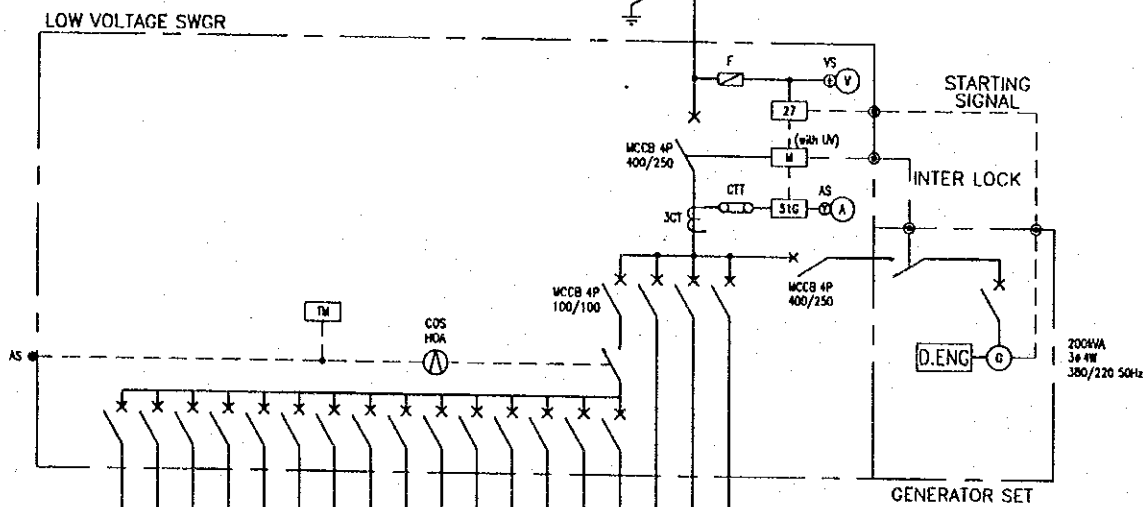
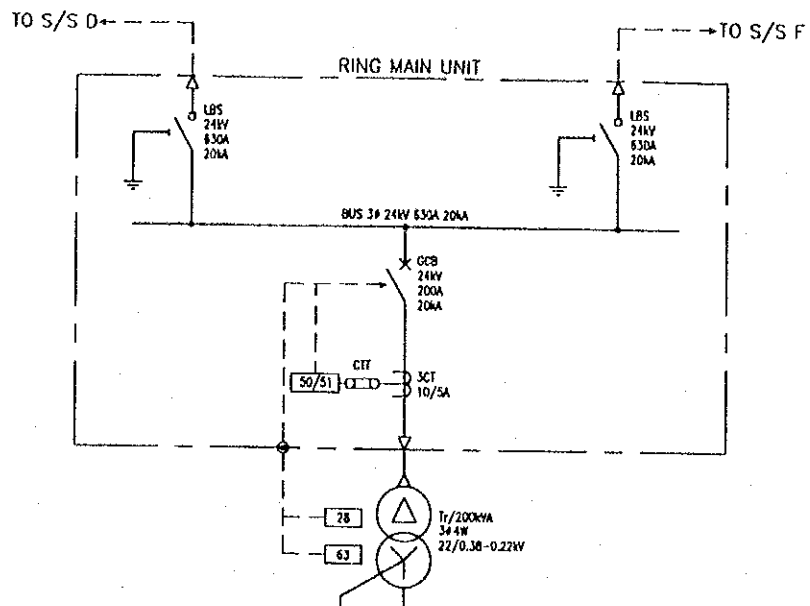


PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	K. Nemoto	K. Nakai	K. Enomoto	DETAIL OF POWER RECEIVING SYSTEM (DISTRIBUTION PANEL DIAGRAM No.1)	P3/LS/0150
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		

S=NONE

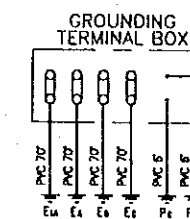
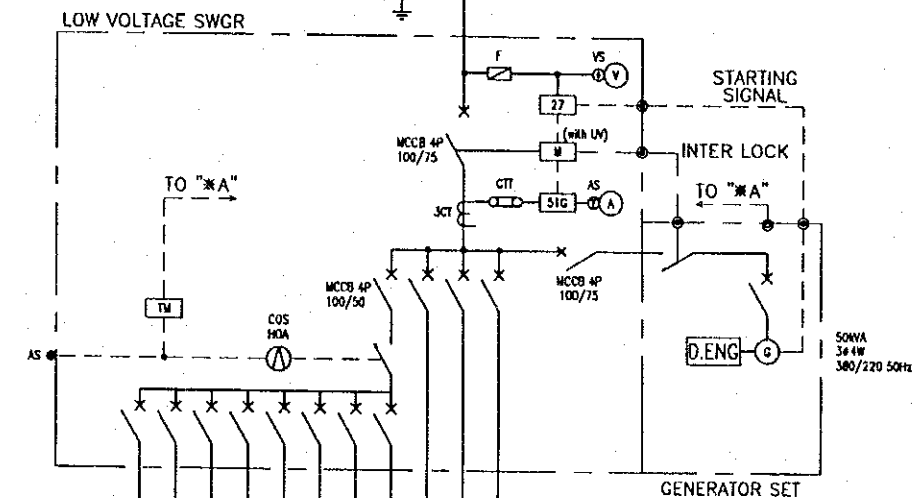
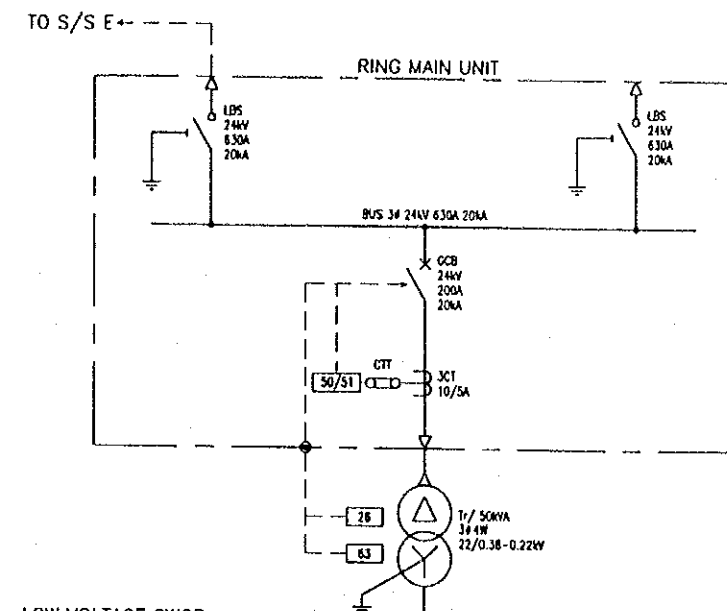


SUB-STATION-E



No.	LOAD NAME	CAPACITY (kVA)	MAIN BREAKER CAPACITY	CABLE SIZE
1	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
2	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 18 - 4C
3	ROAD LIGHTING	5.9	MCCB 4P 50/30	XLPE 18 - 4C
4	ROAD LIGHTING	7.0	MCCB 4P 50/30	XLPE 18 - 4C
5	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 18 - 4C
6	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
7	ROAD LIGHTING	3.2	MCCB 4P 50/30	XLPE 18 - 4C
8	LIGHTING OF LAMP WAY	3.5	MCCB 4P 50/30	XLPE 18 - 4C
9	LIGHTING OF LAMP WAY	6.2	MCCB 4P 50/30	XLPE 18 - 4C
10	LIGHTING OF LAMP WAY	6.8	MCCB 4P 50/30	XLPE 18 - 4C
11	LIGHTING OF LAMP WAY	6.2	MCCB 4P 50/30	XLPE 18 - 4C
12	SPARE	1.0	MCCB 4P 50/30	-
13	SPARE	1.0	MCCB 4P 50/30	-
14	SPARE	1.0	MCCB 4P 50/30	-
E-2	S/S LIGHTING PANEL	5.0	MCCB 4P 100/50	XLPE 18 - 4C
E-3	CAN TING SERVICE AREA (FOR FUTURE)	(60.0)	MCCB 4P 225/150	-
E-4	SPARE	-	MCCB 4P 100/50	-
E-5	SPARE	-	MCCB 4P 100/50	-

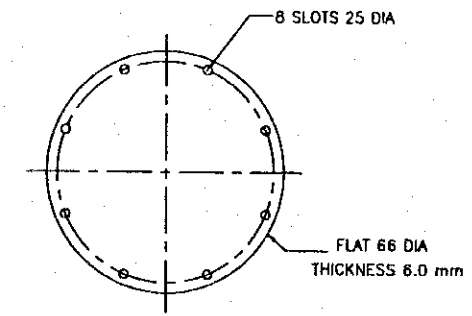
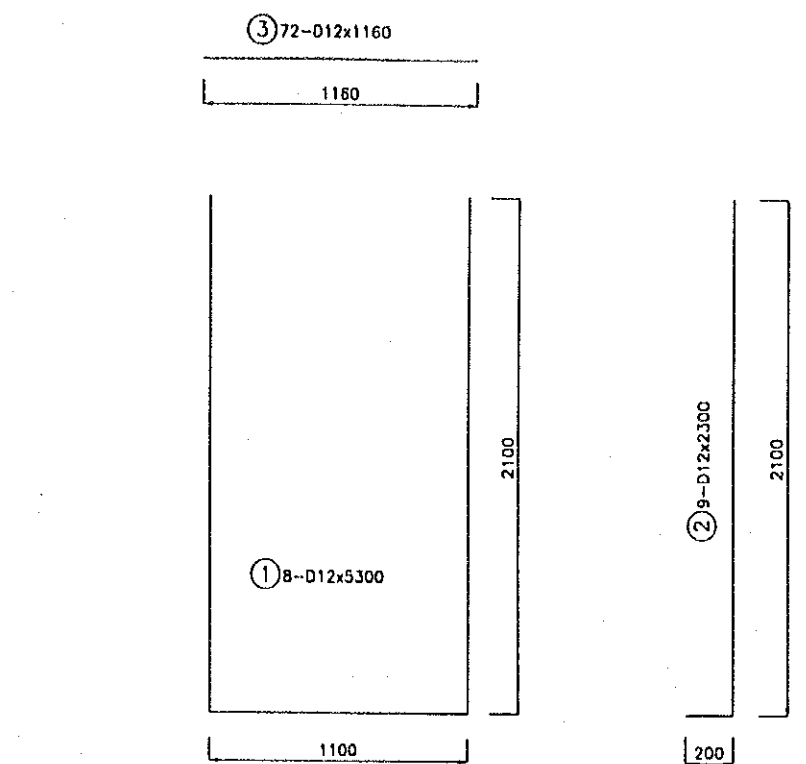
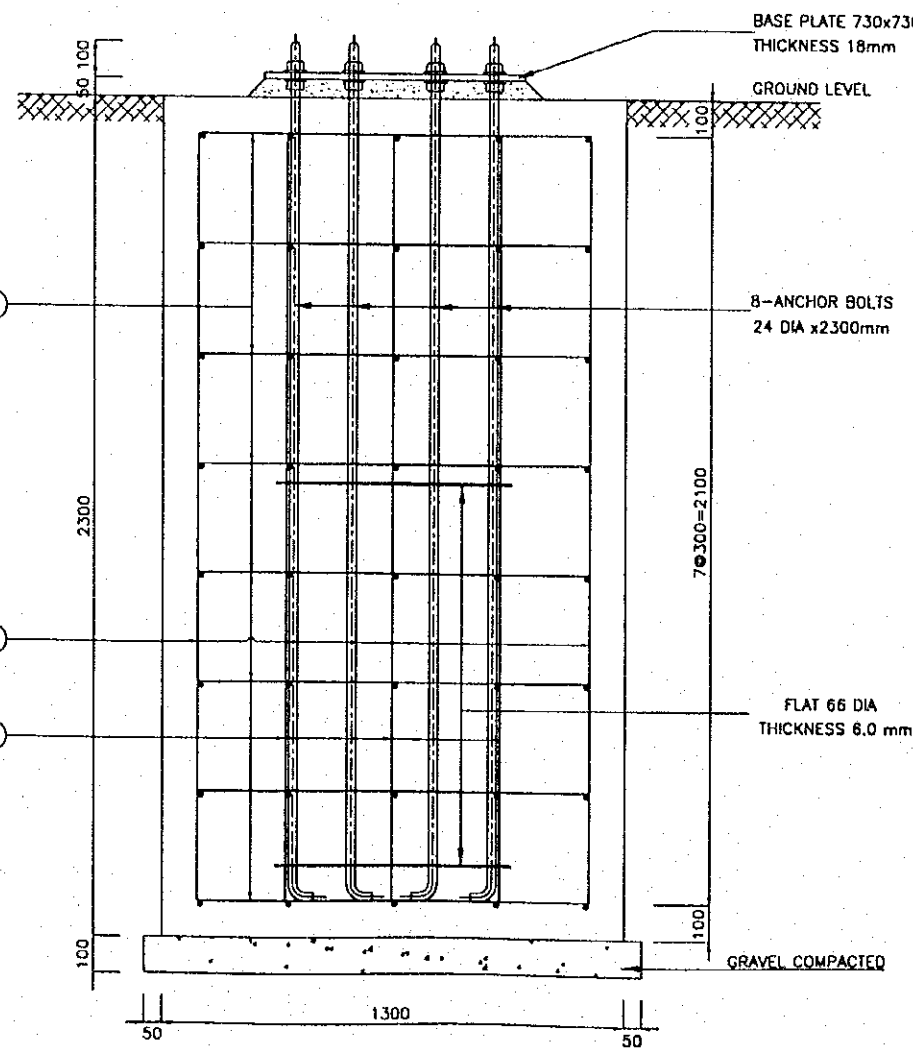
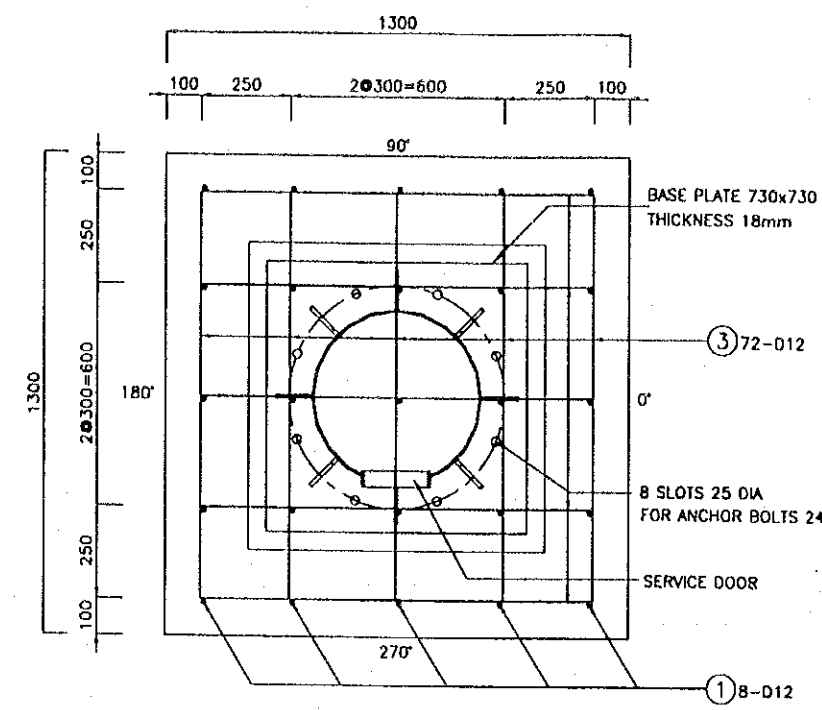
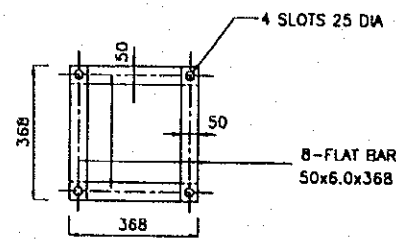
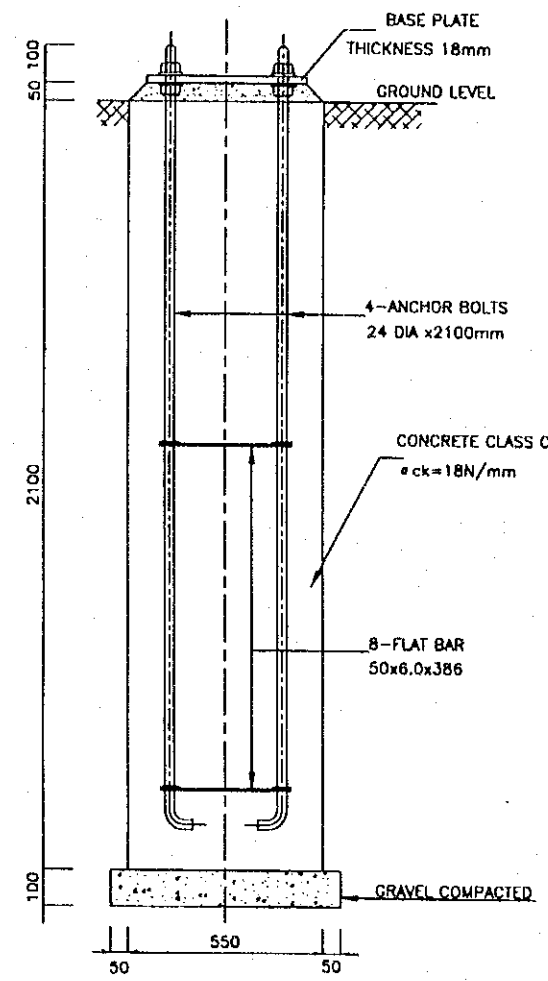
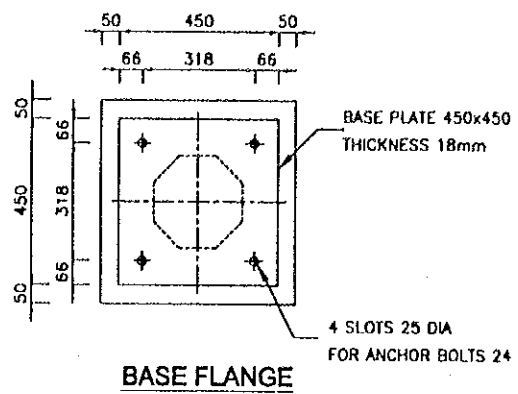
SUB-STATION-F



No.	LOAD NAME	CAPACITY (kVA)	MAIN BREAKER CAPACITY	CABLE SIZE
1	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 25 - 4C
2	ROAD LIGHTING	5.3	MCCB 4P 50/30	XLPE 18 - 4C
3	ROAD LIGHTING	7.0	MCCB 4P 50/30	XLPE 18 - 4C
4	ROAD LIGHTING	6.5	MCCB 4P 50/30	XLPE 18 - 4C
5	ROAD LIGHTING	6.0	MCCB 4P 50/30	XLPE 18 - 4C
6	SPARE	1.0	MCCB 4P 50/30	-
7	SPARE	1.0	MCCB 4P 50/30	-
8	SPARE	1.0	MCCB 4P 50/30	-
F-2	S/S LIGHTING PANEL	5.0	MCCB 4P 100/50	XLPE 18 - 4C
F-3	SPARE	-	MCCB 4P 100/50	-
F-4	SPARE	-	MCCB 4P 100/50	-

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO., LTD.	K. Nemoto	K. Nakai	K. Enomoto	DETAIL OF POWER RECEIVING SYSTEM (DISTRIBUTION PANEL DIAGRAM No.2)	P3/L.S/0160
				DATE 20/9/2000	DATE 29/9/2000	DATE 5/10/2000		

S=NONE



LIST OF REINFORCEMENT

TYPE	DIA.	LENGTH	NUMBER	WEIGHT/m	WEIGHT/no.	WEIGHT	REMARKS
1	D12	5,300	8	0.888	4.71	38	U
2	D12	2,300	9	0.888	2.04	19	L
3	D12	1,160	72	0.888	1.03	75	-
						D12	132 kgf
						TOTAL	132 kgf

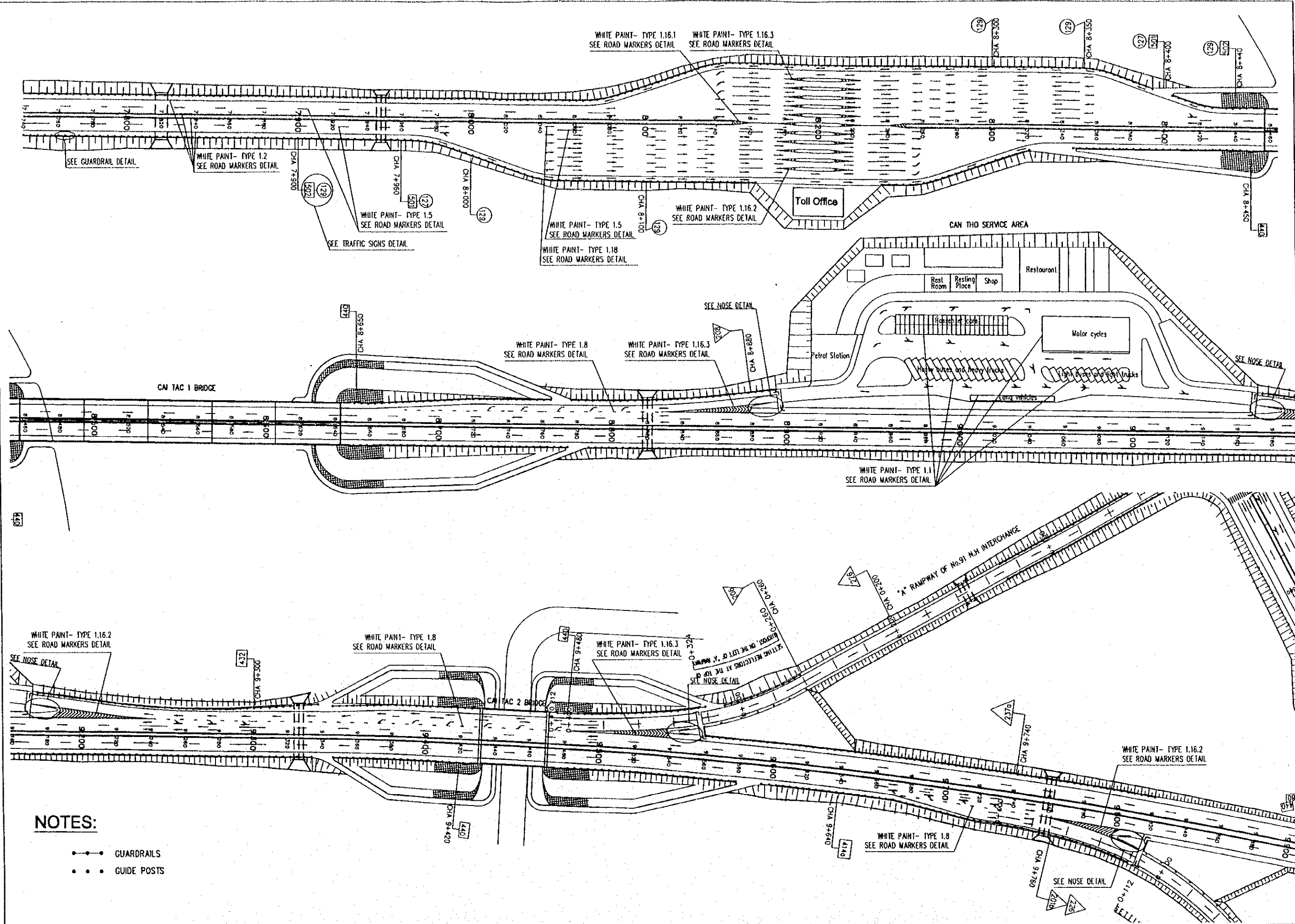
BASE CONCRETE FOR 11.5m POLE

BASE CONCRETE FOR 20.0m POLE

S=1:20

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	CHECKED BY NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	APPROVED BY NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DRAWING TITLE DETAIL OF LIGHTING POLE HOLE	DWG NO. P3/LS/0170
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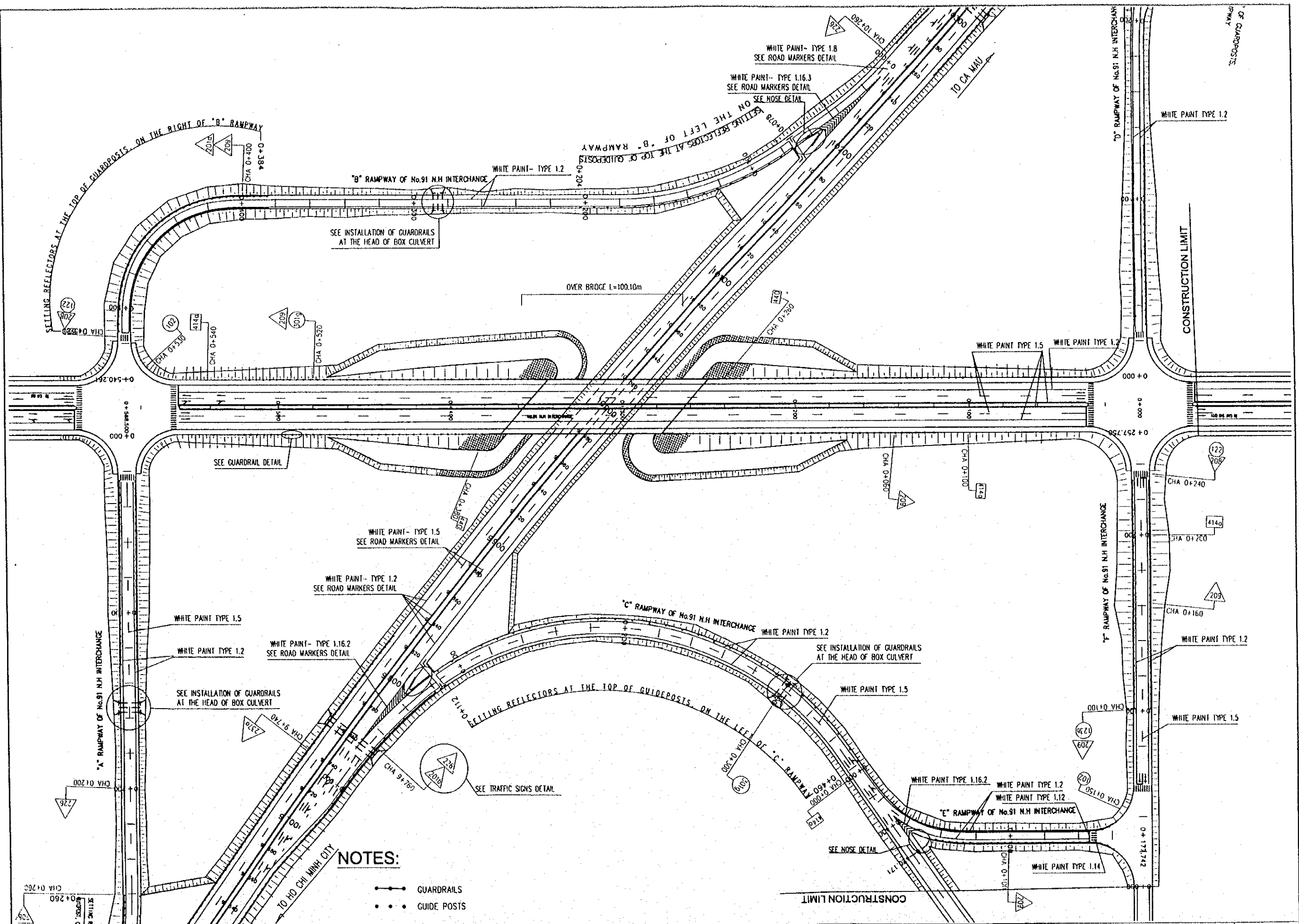
**P3/MS MISCELLANEOUS**



**NOTES:**

- GUARDRAILS
- GUIDE POSTS

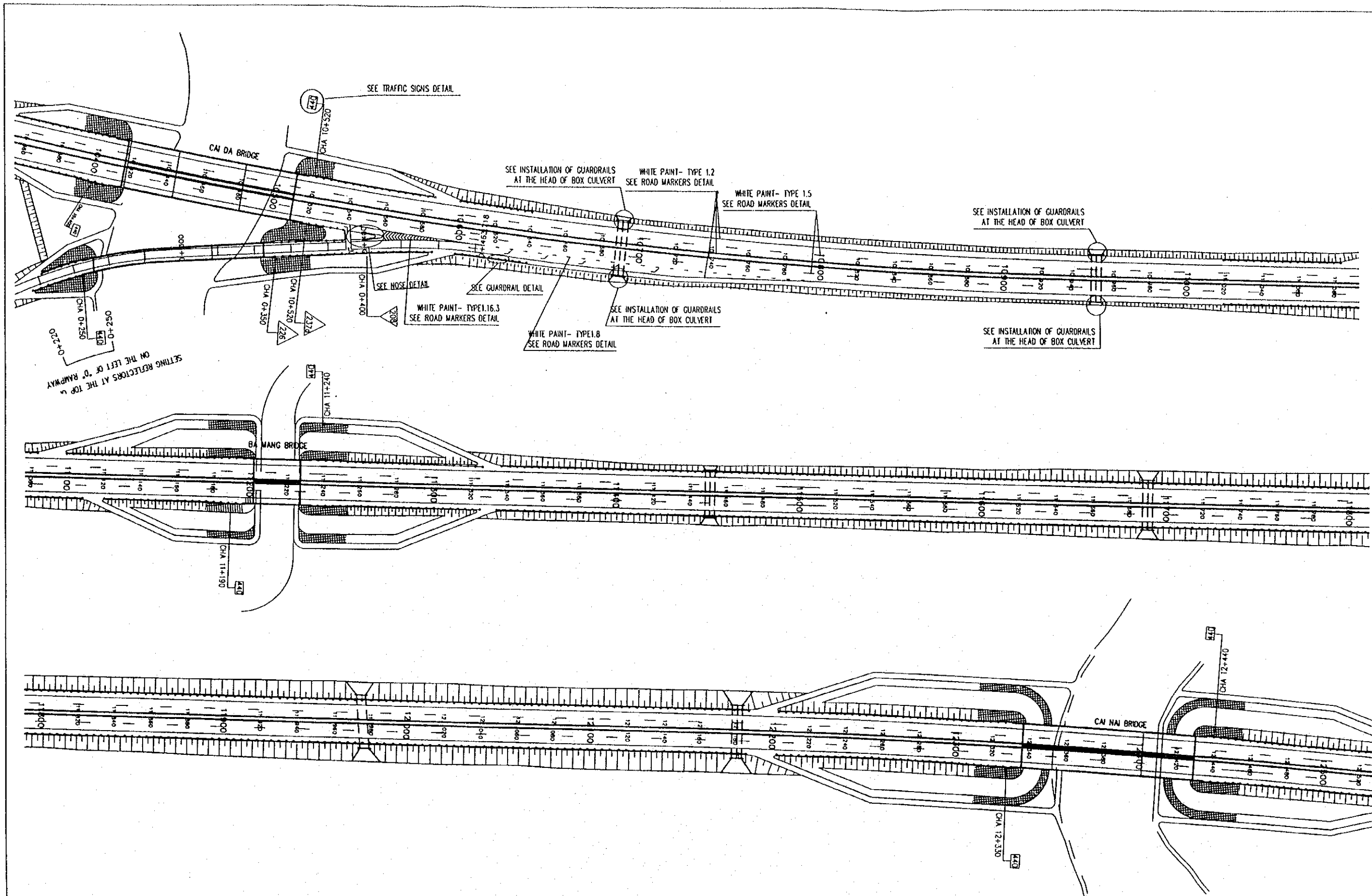
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 24/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	PLAN OF LAYOUT TRAFFIC SIGNS GUARDRAILS AND GUIDE POSTS (1/5)	P3/MS/0010



**NOTES:**

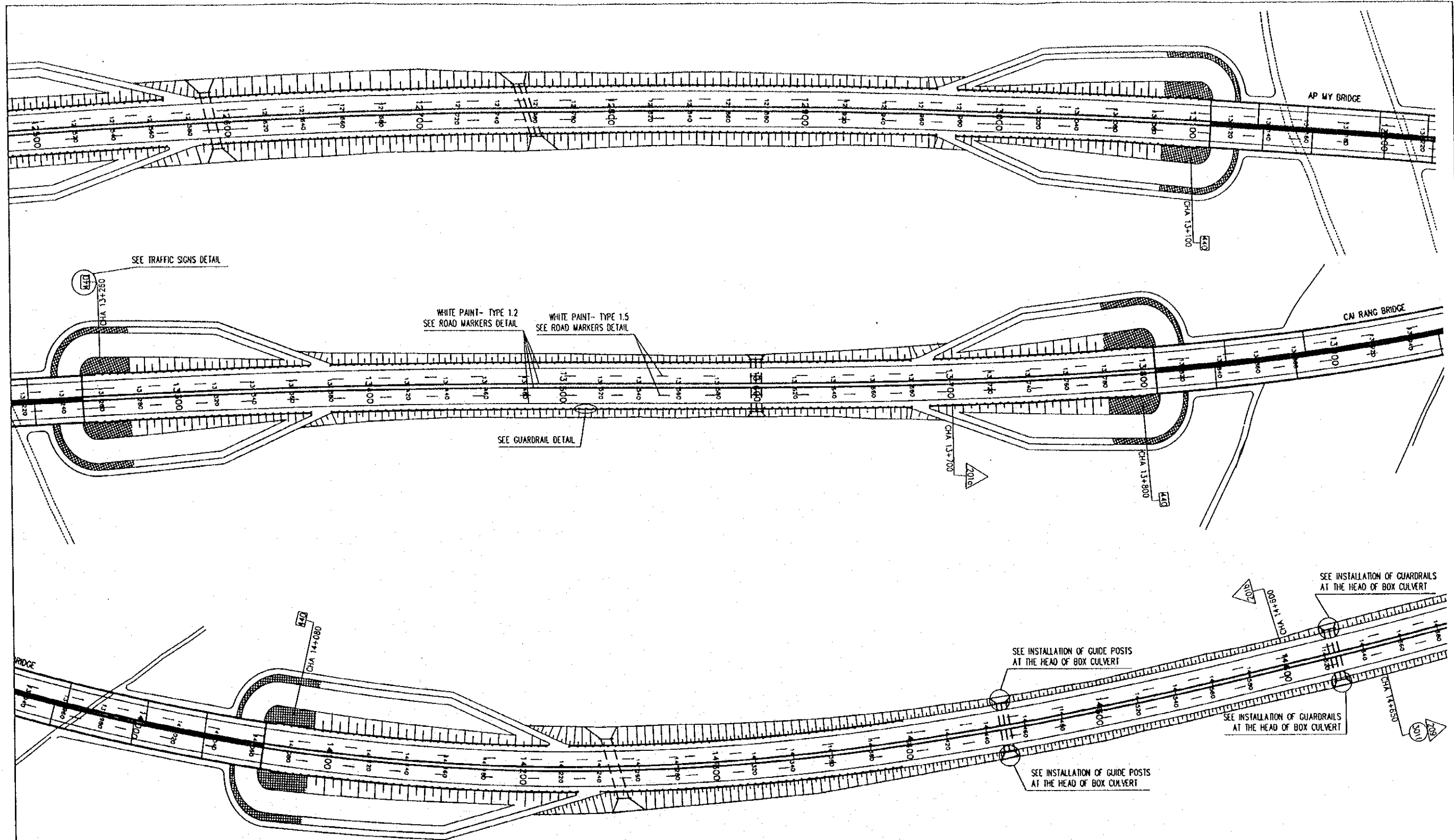
- GUARDRAILS
- ... GUIDE POSTS

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NK NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	PLAN OF LAYOUT TRAFFIC SIGNS GUARDRAILS AND GUIDE POSTS (2/5)	P3/MS/0020



- NOTES:**
- GUARDRAILS
  - ● ● GUIDE POSTS

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
				DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT		

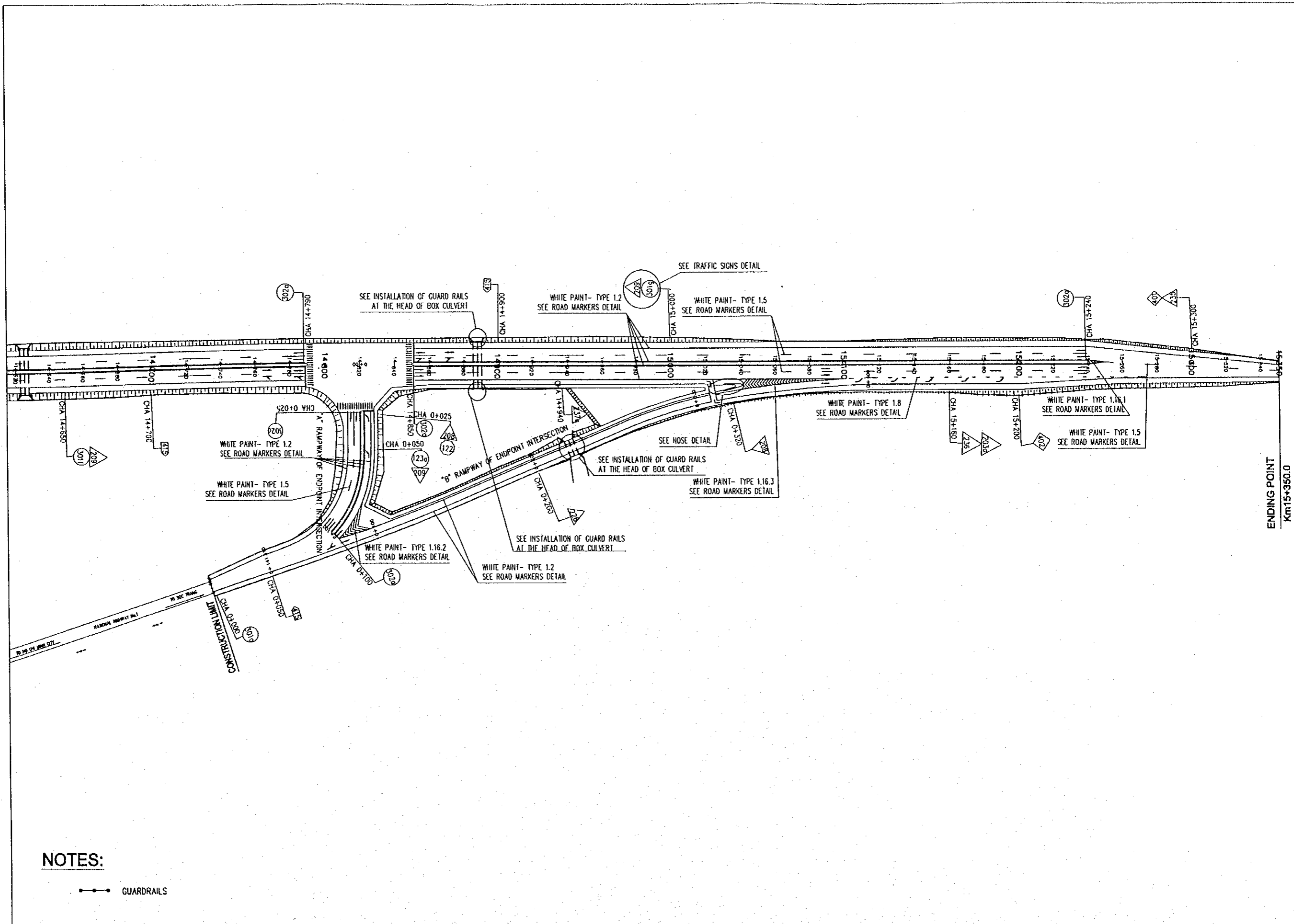


**NOTES:**

- GUARDRAILS
- GUIDE POSTS

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.	
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	PLAN OF LAYOUT TRAFFIC SIGNS GUARDRAILS AND GUIDE POSTS (4/5)	P3/MS/0040
				SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>	<i>K. Enomoto</i>		
				DATE	20/9/2000	29/9/2000	5/10/2000		

10.10.00 10.10.00

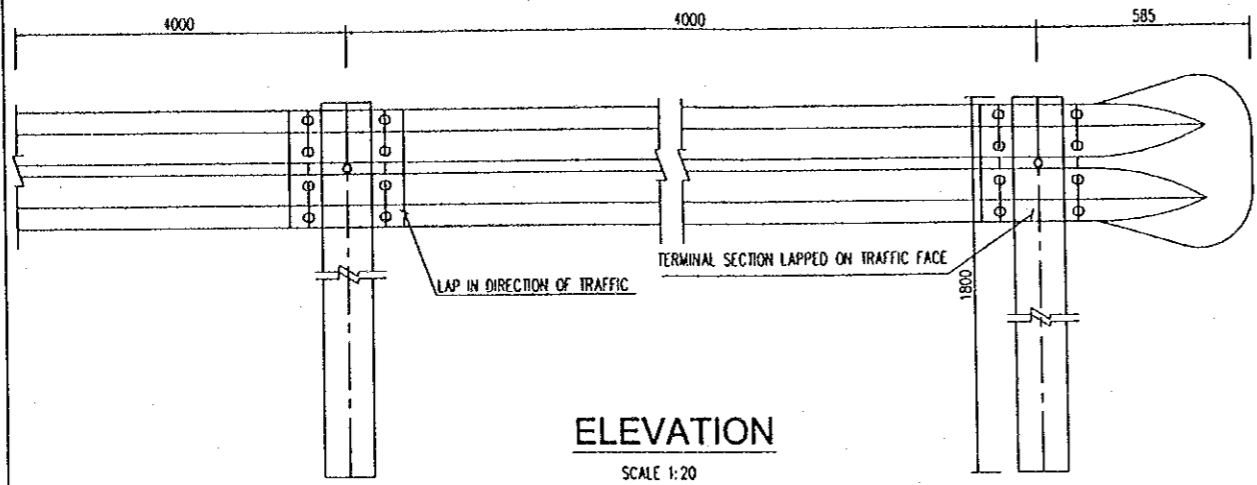


**NOTES:**

—●— GUARDRAILS

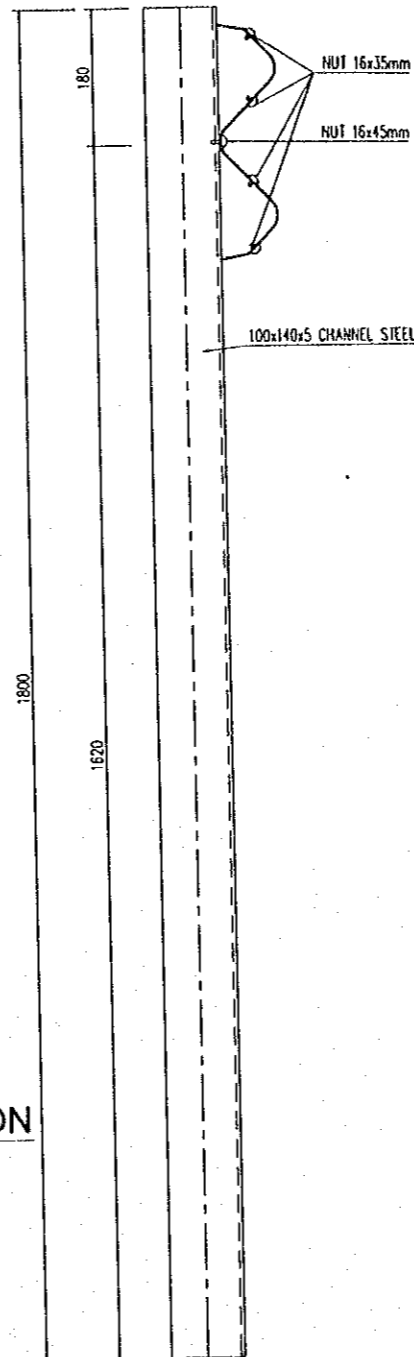
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NK NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	PLAN OF LAYOUT TRAFFIC SIGNS GUARDRAILS AND GUIDE POSTS (5/5)	P3/MS/0050





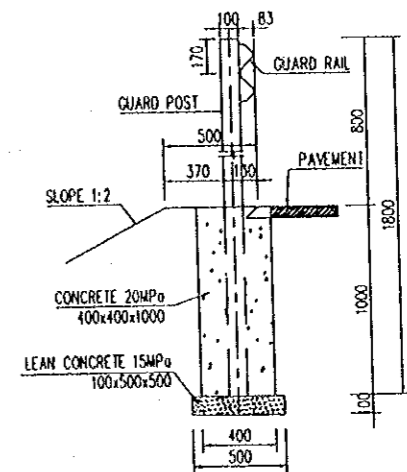
**ELEVATION**

SCALE 1:20



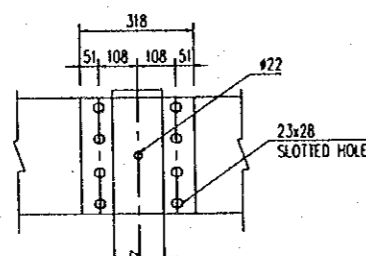
**SIDE VIEW OF RAIL**

SCALE 1:10



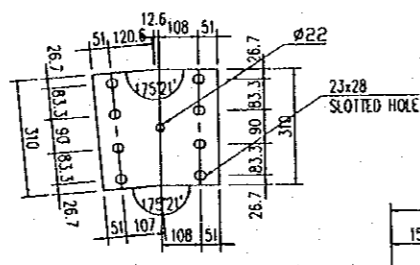
**SETTING GUARDRAIL IN CROSS SECTION**

SCALE 1:40



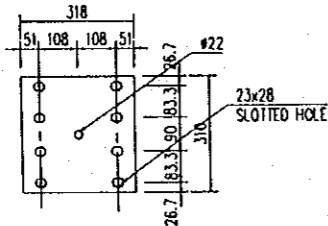
**RAIL SPLICE**

SCALE 1:20



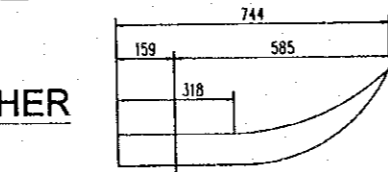
**SPECIAL WASHER**

SCALE 1:20



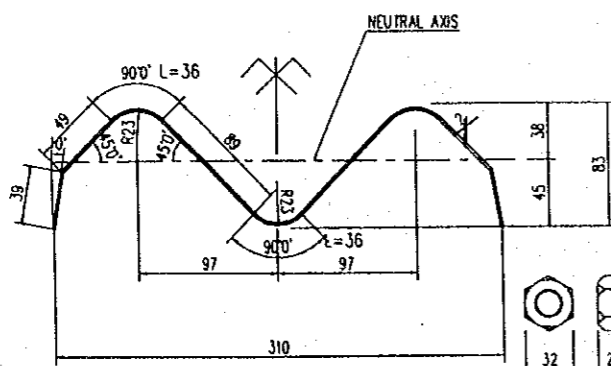
**RECTANGULAR WASHER**

SCALE 1:20



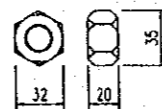
**STANDARD TERMINAL SECTION**

SCALE 1:20



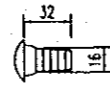
**SECTION RAIL ELEMENT**

SCALE 1:5



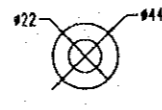
**NUT**

SCALE 1:5



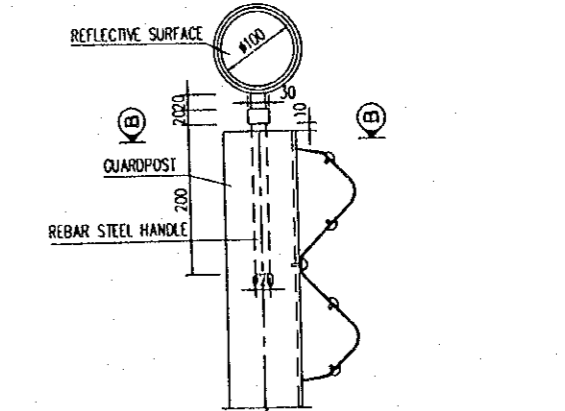
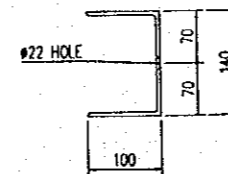
**SPLICE BOLT**

SCALE 1:5

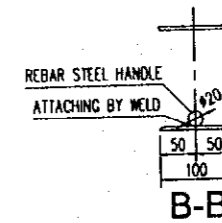


**WASHER**

SCALE 1:5



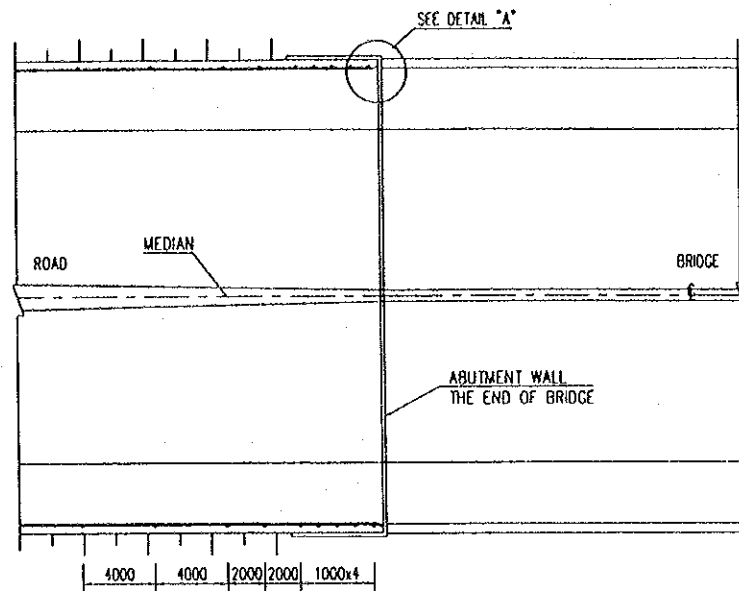
**SETTING REFLECTOR MIRROR**



**DETAIL OF REFLECTOR MIRROR (AT THE TOP OF GUARDPOST)**

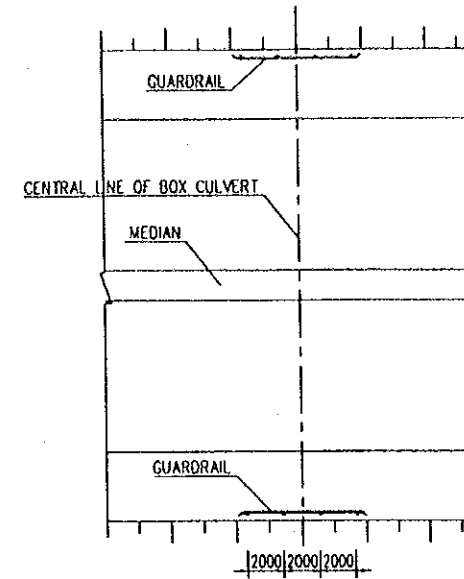
SCALE 1:10

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBI CO.,LTD.	NAME K. Nemoto SIGNATURE K. Nemoto DATE 20/9/2000	NAME K. Nakai SIGNATURE K. Nakai DATE 29/9/2000	NAME K. Enomoto SIGNATURE K. Enomoto DATE 5/10/2000	DETAIL OF GUARDRAIL AND GUARDPOST (1/2)	P3/MS/0060



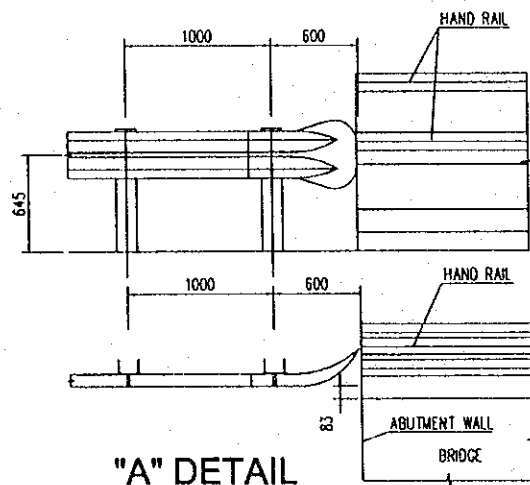
PLAN INSTALLATION OF GUARDRAIL ON BRIDGE'S APPROACH ROAD

SCALE 1:400



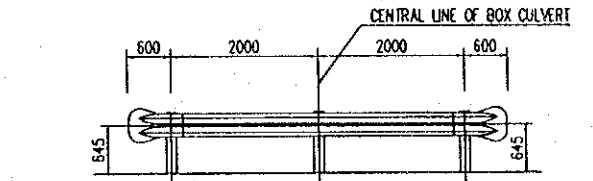
PLAN INSTALLATION OF GUARDRAIL AT BOX CULVERT'S HEAD

SCALE 1:400

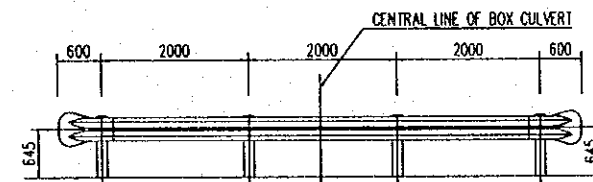


"A" DETAIL

SCALE 1:50



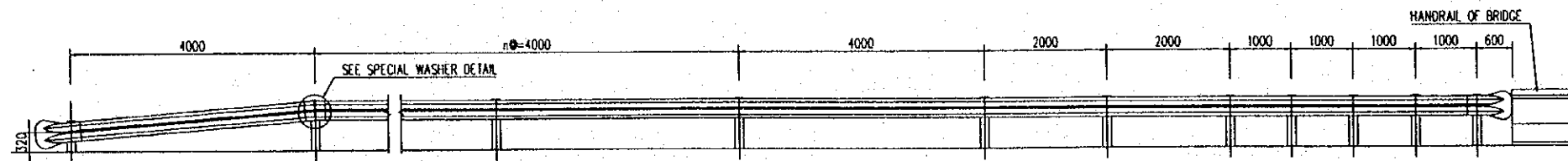
TYPE 1: SINGLE BOX CULVERT



TYPE 2: DOUBLE BOX CULVERT

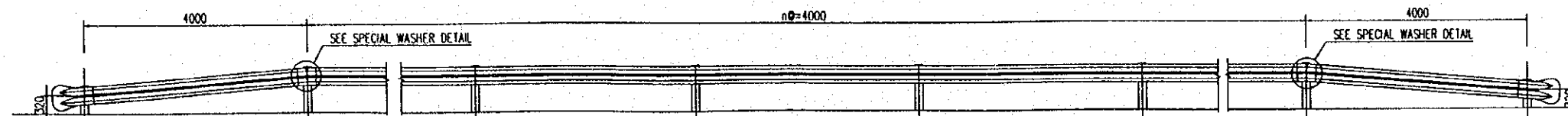
SIDE VIEW OF INSTALLATION OF GUARD RAIL AT BOX CULVERT'S HEAD

SCALE 1:100



SIDE VIEW OF INSTALLATION OF GUARD RAIL ON BRIDGE'S APPROACH ROAD

SCALE 1:100



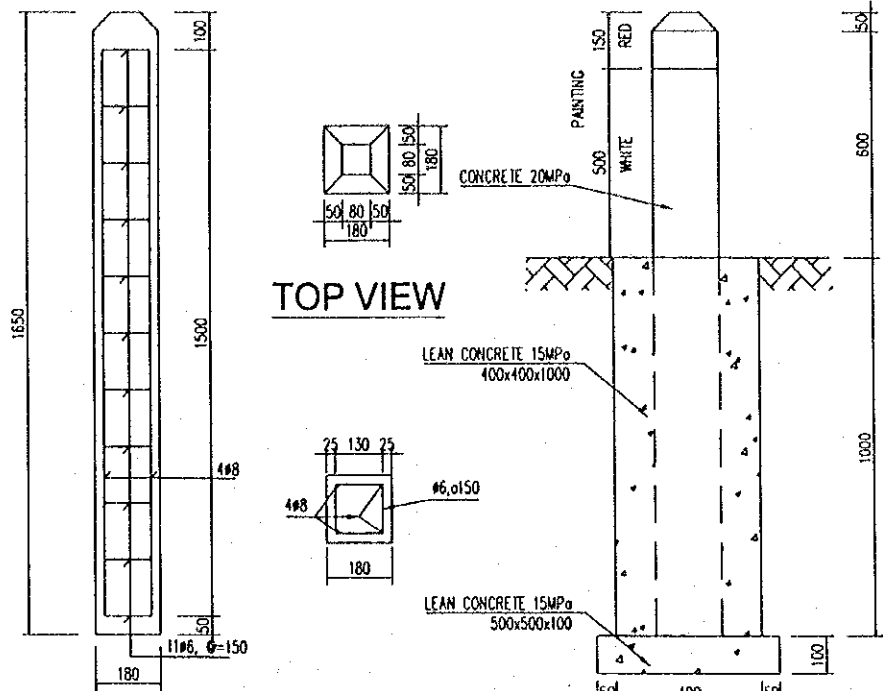
SIDE VIEW OF INSTALLATION OF GUARD RAIL ON ROAD

SCALE 1:100

NOTE: IF EMBANKMENT HEIGHT IS LESS THAN 2.0m

DO NOT INSTALL GUARDRAILS (VIETNAM SPECIFICATIONS OF ROAD SIGNS)

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NK NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	INSTALLING OF GUARD RAIL (2/2)	P3/MS/0070



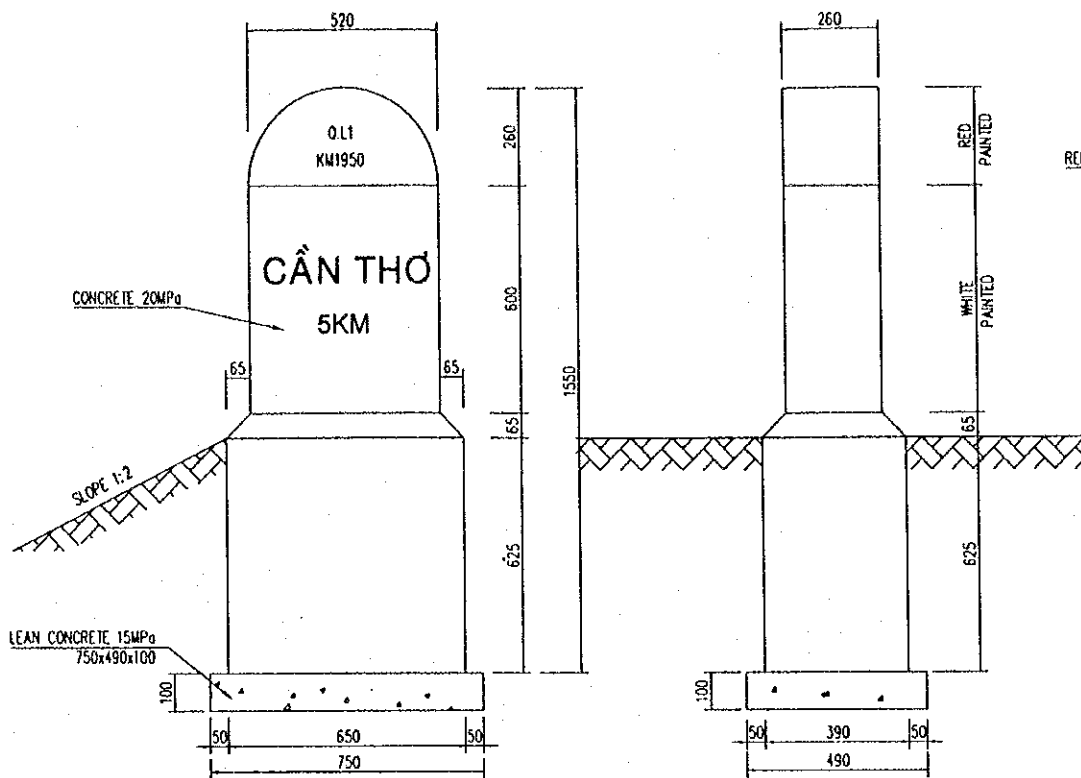
REINFORCEMENT DETAIL

TOP VIEW

FRONT VIEW

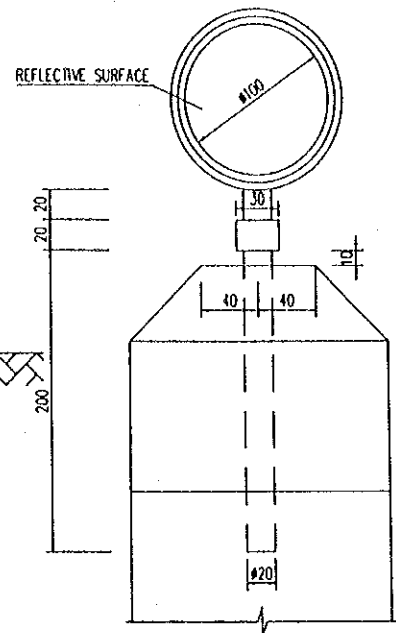
GUIDE POST

SCALE 1:20



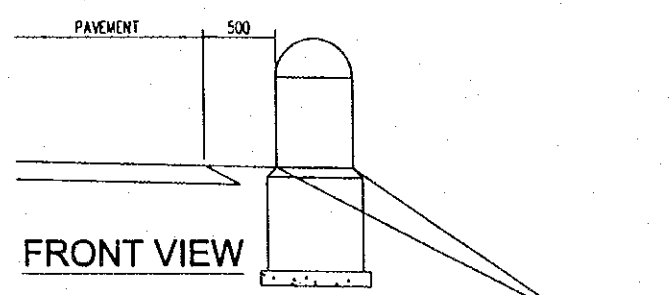
FRONT VIEW

SIDE VIEW

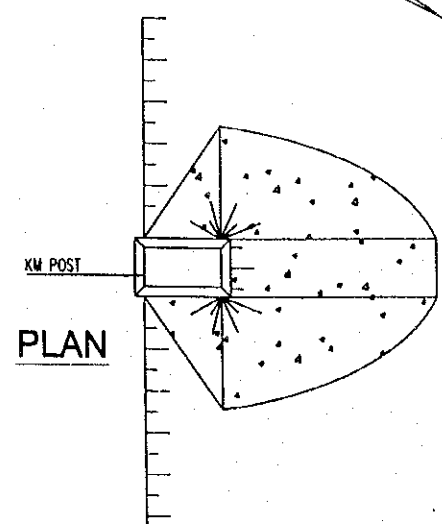


SETTING REFLECTOR AT THE TOP OF GUIDE POST

SCALE 1:5



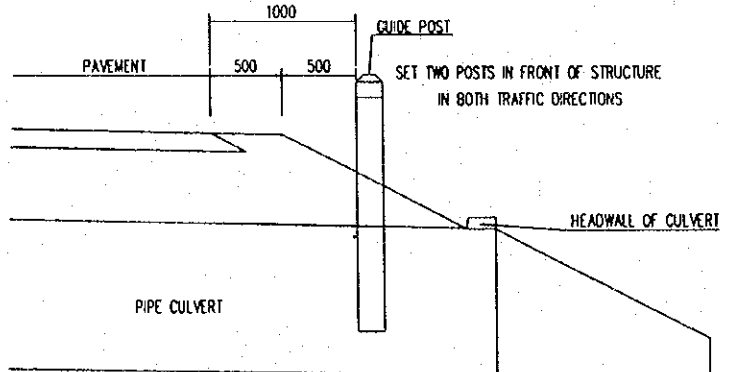
FRONT VIEW



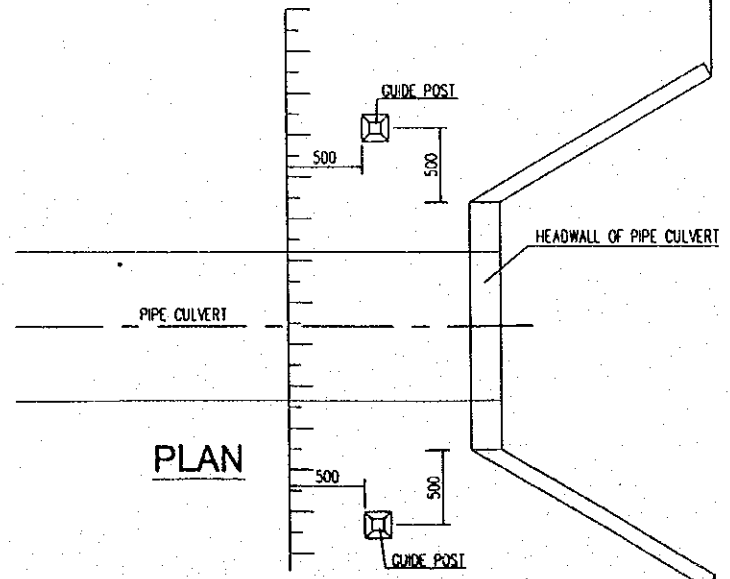
PLAN

INSTALLING KM POST

SCALE 1:50



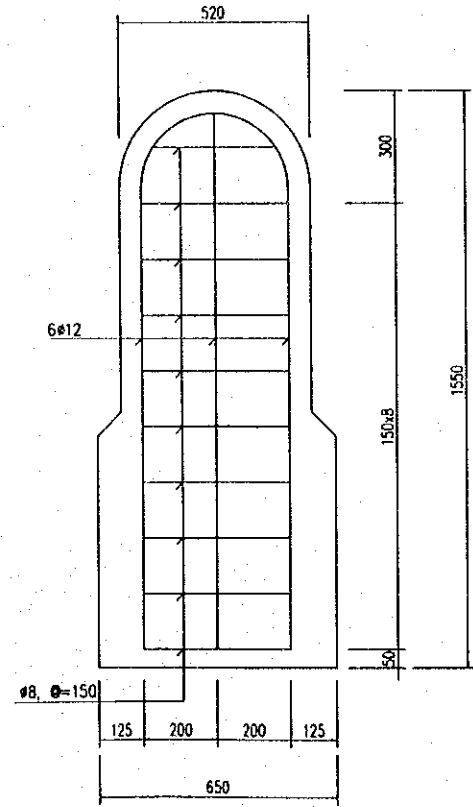
FRONT VIEW



PLAN

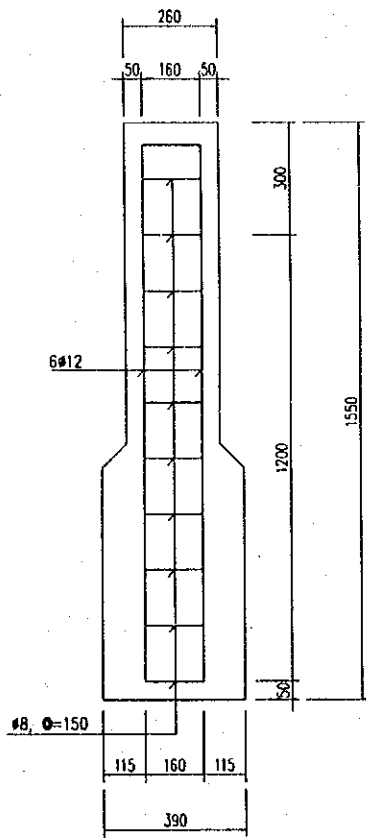
INSTALLING GUIDE POST

SCALE 1:50

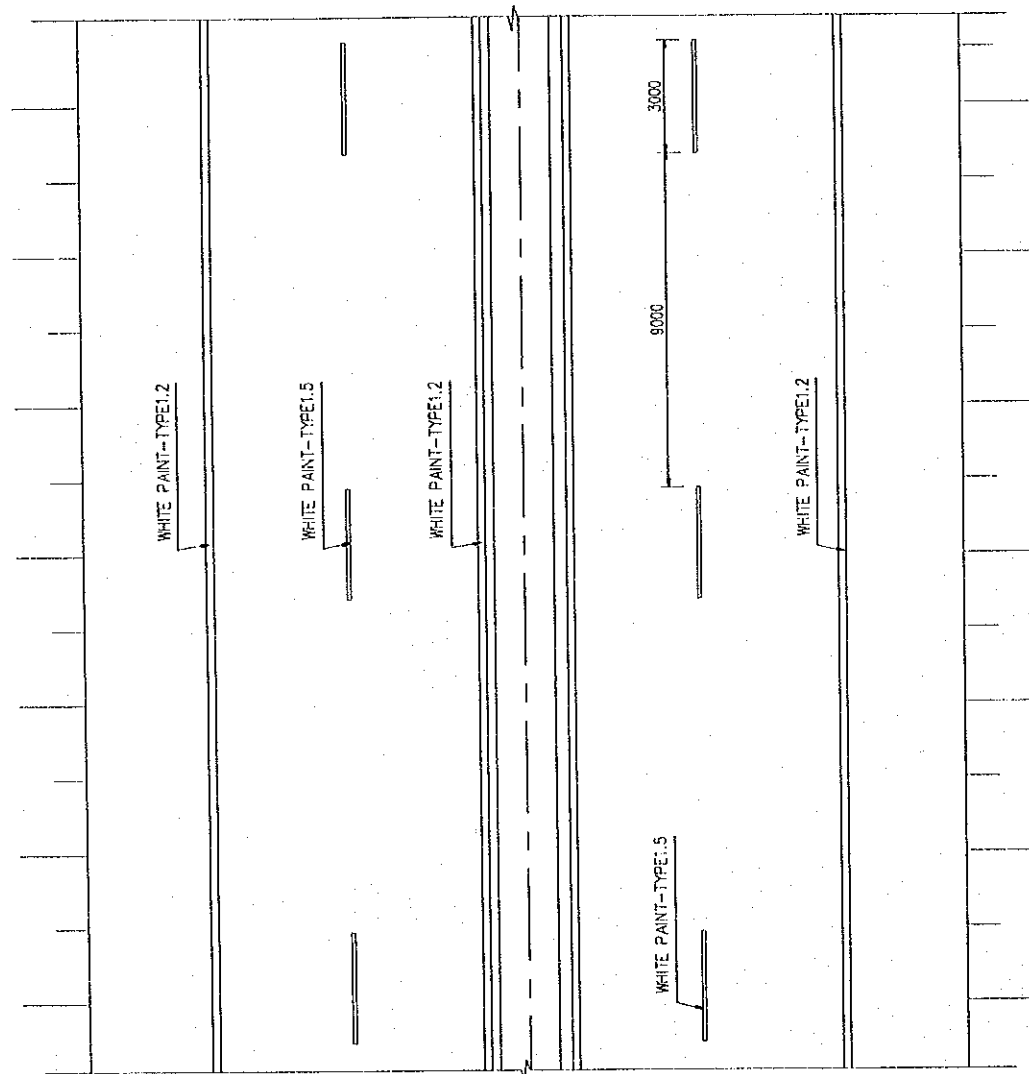
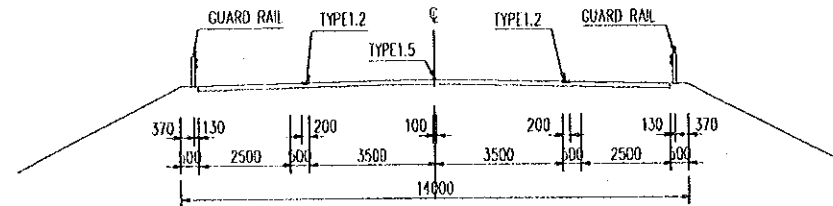
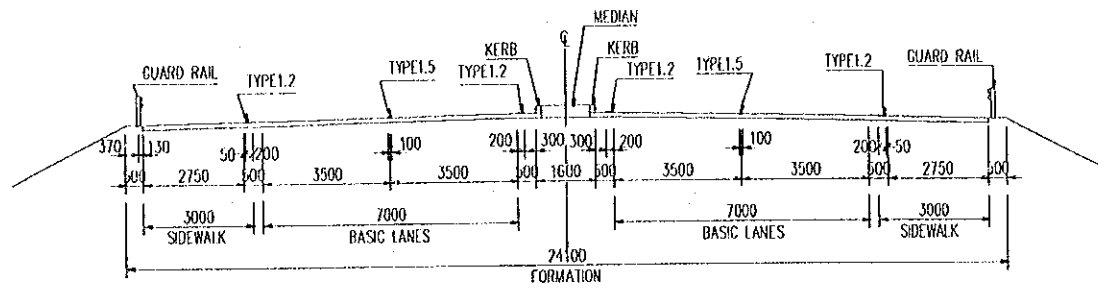


KM POST DETAIL

SCALE 1:20

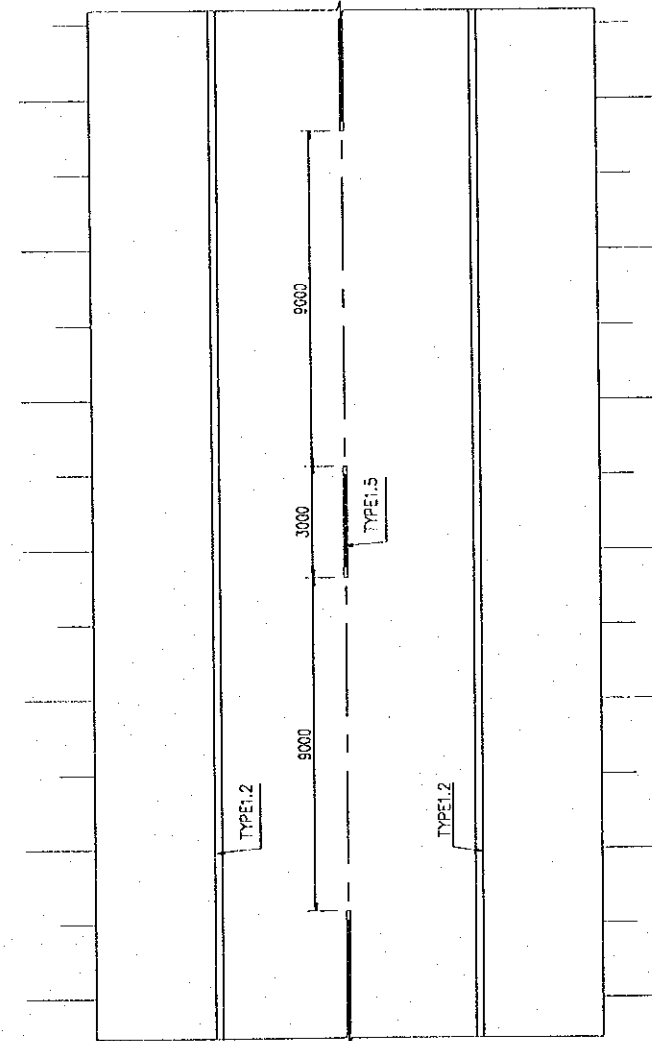


PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	K. Nemoto	K. Nakai	K. Enomoto	DETAIL OF GUIDE POST AND KM POST	P3/MS/0080
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

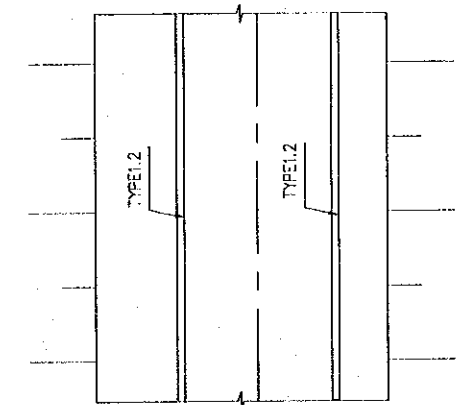
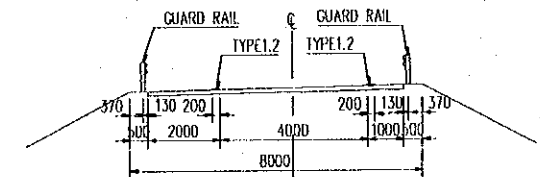


**SETTING ROAD MARKERS ON MAIN ROAD**

SCALE 1:200



**1 DIRECTION, 2 LANES**

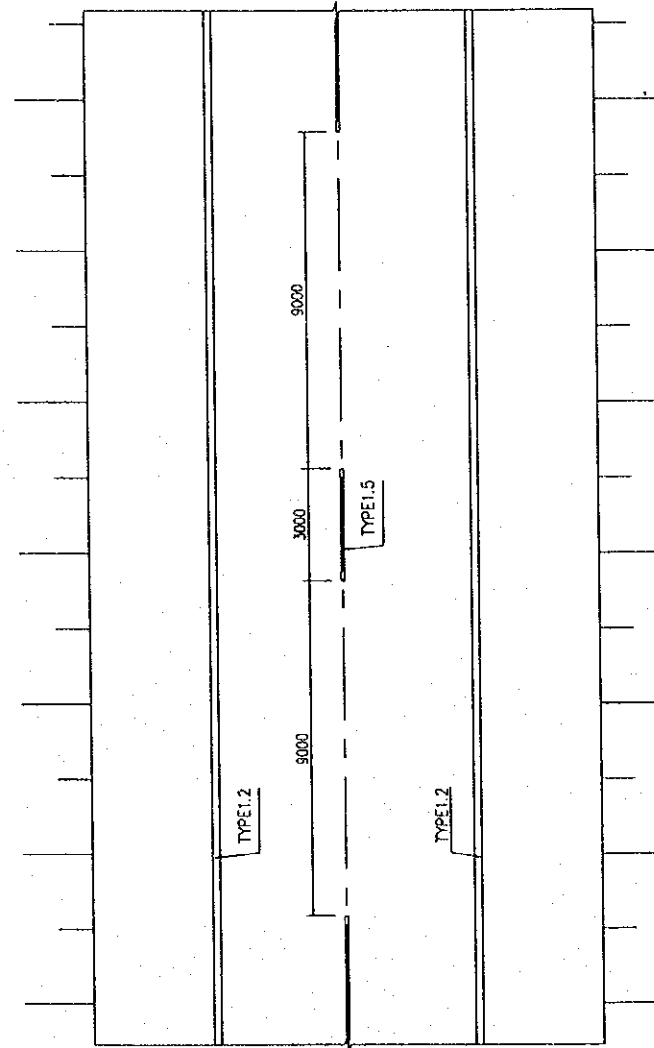
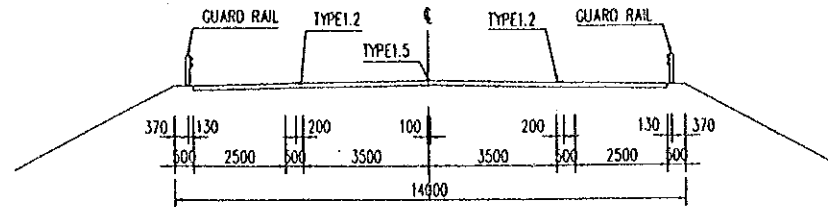


**1 DIRECTION, 1 LANE**

**SETTING ROAD MARKERS ON RAMPWAY**



SCALE 1:200

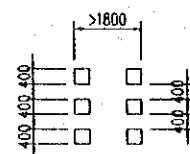
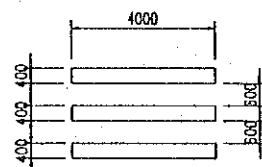
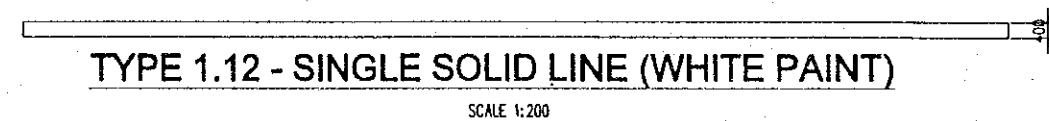
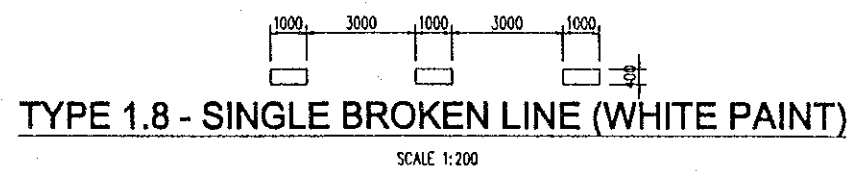
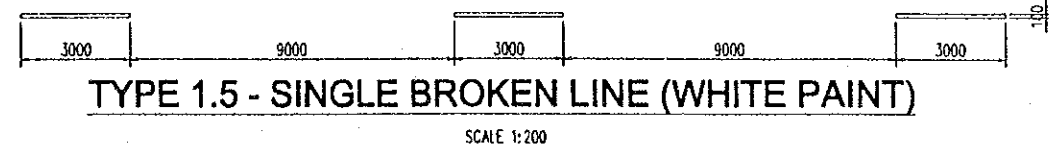
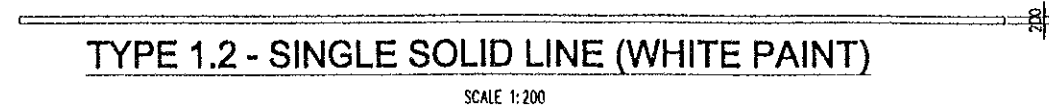
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000	NAME K. Nakai SIGNATURE <i>K. Nakai</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	LAYOUT ROAD MARKINGS (1/2)	P3/MS/0090



**SETTING ROAD MARKERS ON No.54 N.H INTERCHANGE**

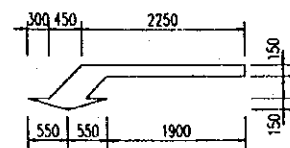
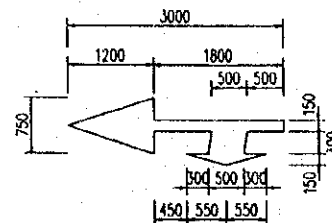
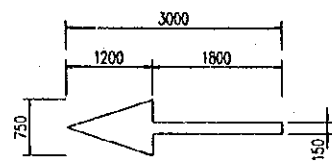
SCALE 1:200

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	 NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	LAYOUT ROAD MARKINGS (2/2)	P3/MS/0100

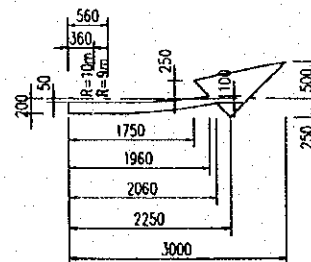


TYPE 1.14 - PEDESTRIAN CROSSING (WHITE PAINT)  
SCALE 1:200

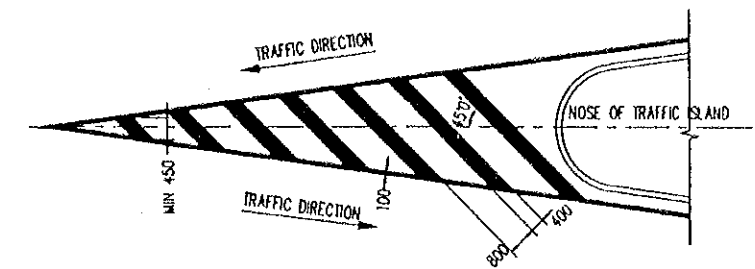
TYPE 1.15 - BICYCLE CROSSING (WHITE PAINT)  
SCALE 1:200



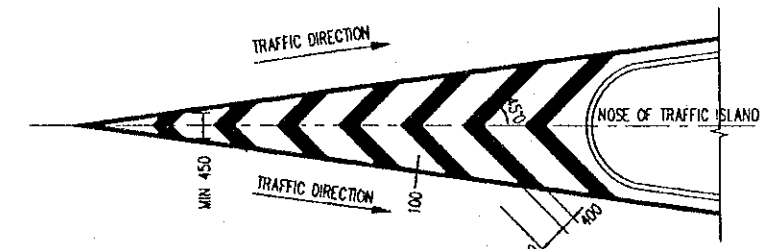
TYPE 1.18 - SPECIAL ROAD MARKING (WHITE PAINT)  
SCALE 1:100



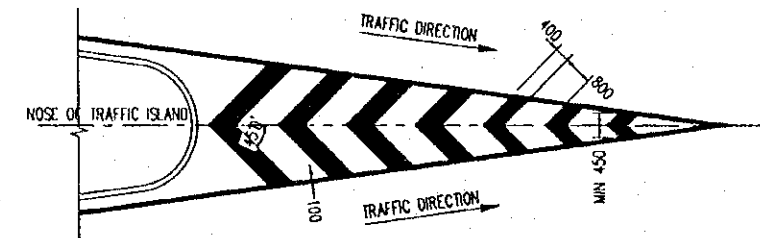
TYPE 1.19 - FOR LANE SHIFT (WHITE PAINT)  
SCALE 1:100



TYPE 1.16.1 - FOR TWO OPPOSITE LANES

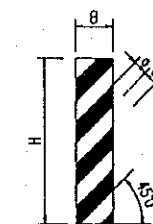


TYPE 1.16.2 - FOR TWO DIVERGING LANES

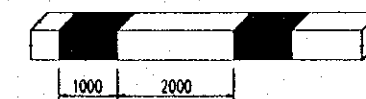


TYPE 1.16.3 - FOR TWO MERGING LANES

TYPE 1.16 - CHEVRON HATCHING MARKING (WHITE PAINT)  
SCALE 1:200

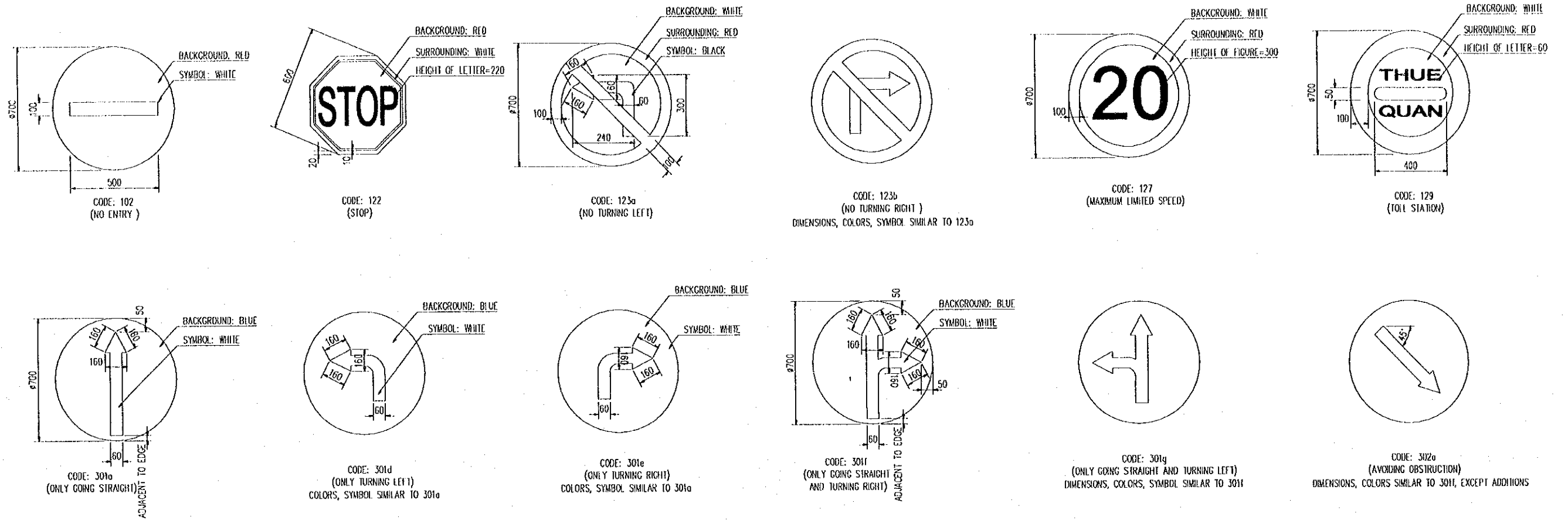


TYPE 2.1 - FOR PIERS OF FLYOVER BRIDGE



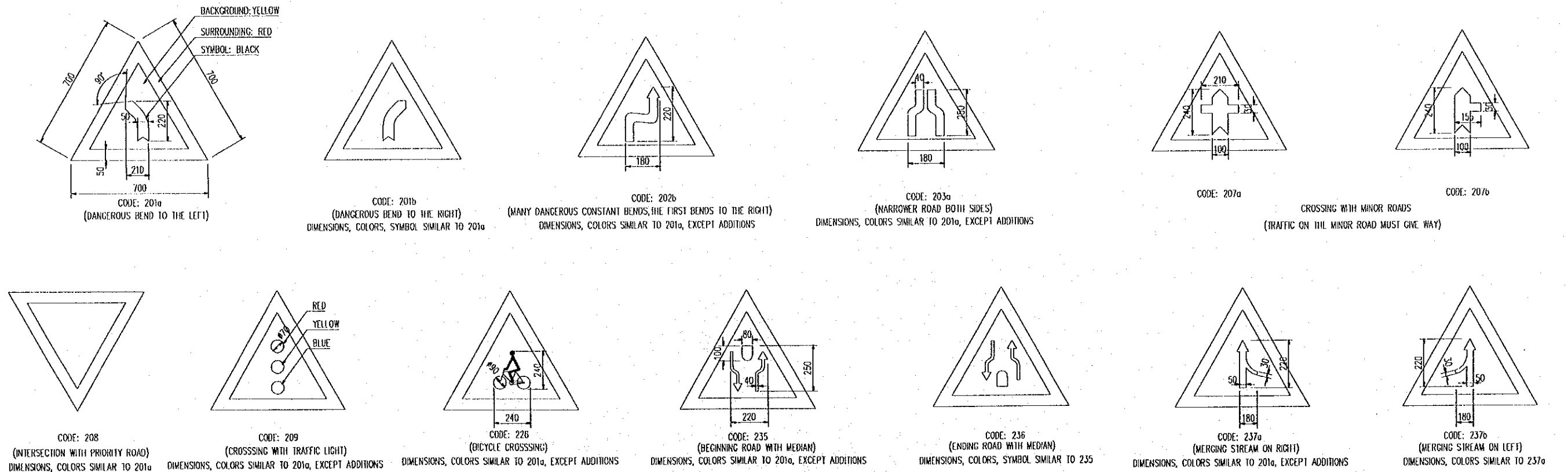
TYPE 2.7 - FOR KERBS OF NOSES

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DETAIL OF ROAD MARKINGS	P3/MS/0110



**REGULATORY SIGNS ( TYPE 1 )**

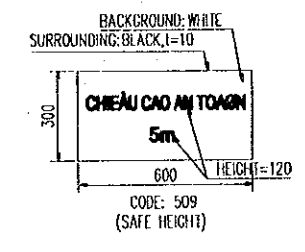
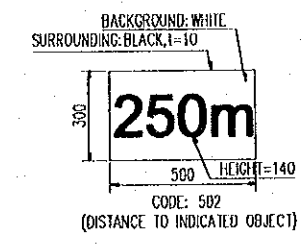
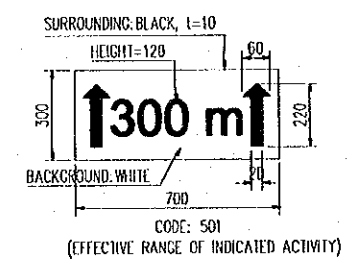
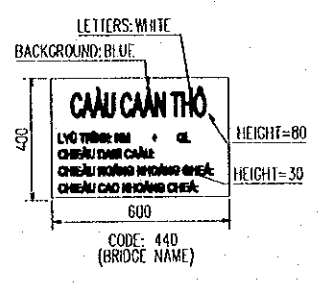
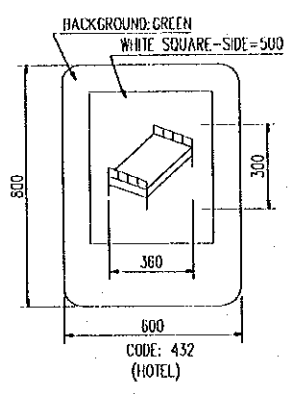
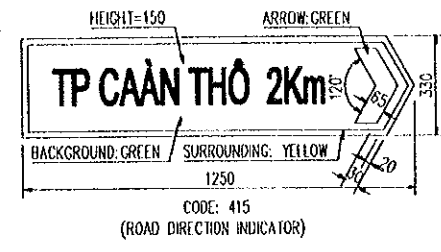
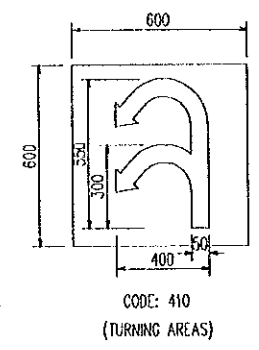
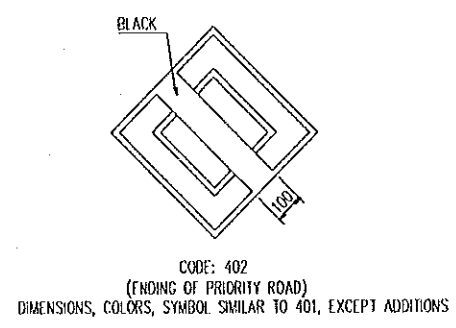
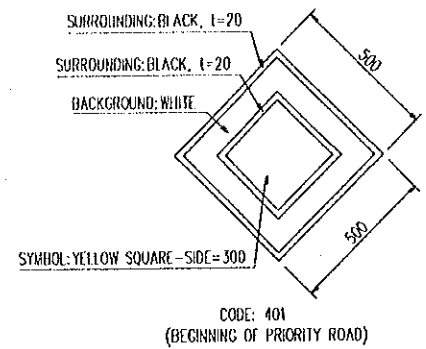
SCALE 1:25



**WARNING SIGNS ( TYPE 2 )**

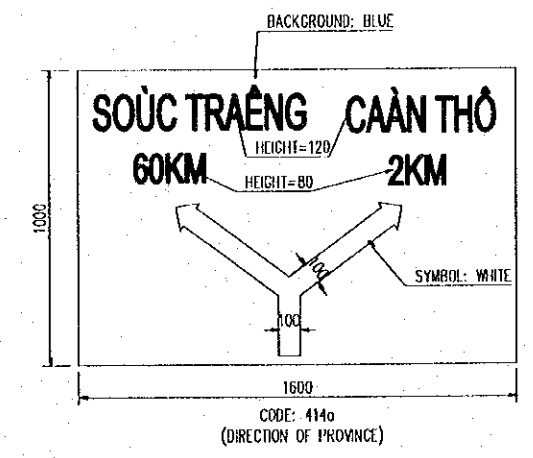
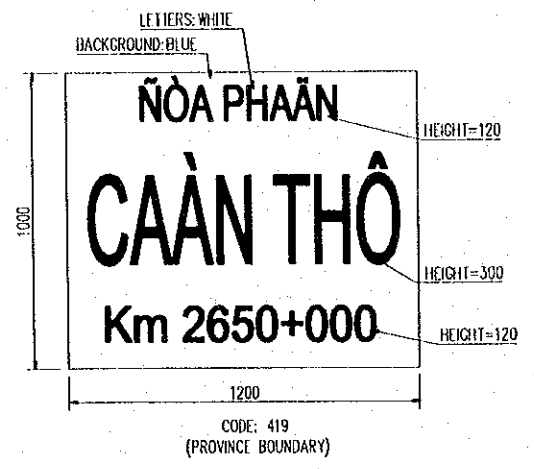
SCALE 1:25

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DETAIL OF SIGNBOARD (1/2)	P3/MS/0120



**GUIDANCE SIGNS ( TYPE 3 )**

SCALE 1:25

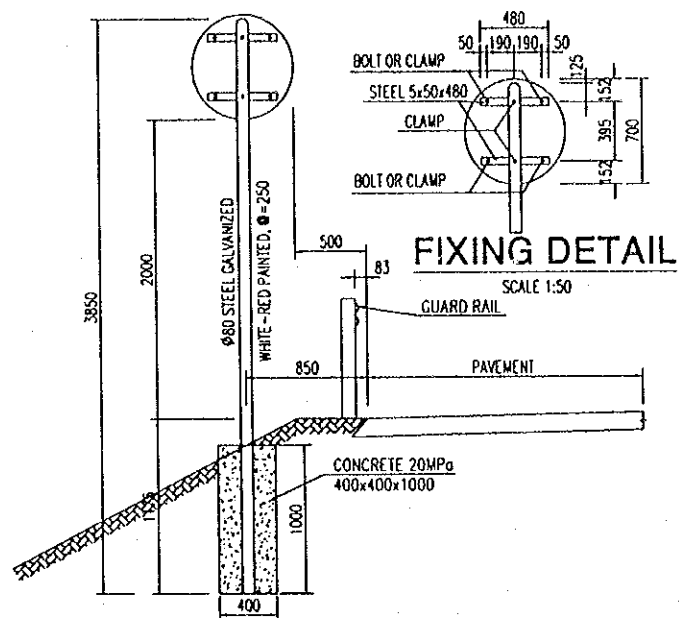


**GUIDANCE SIGNS ( TYPE 4 )**

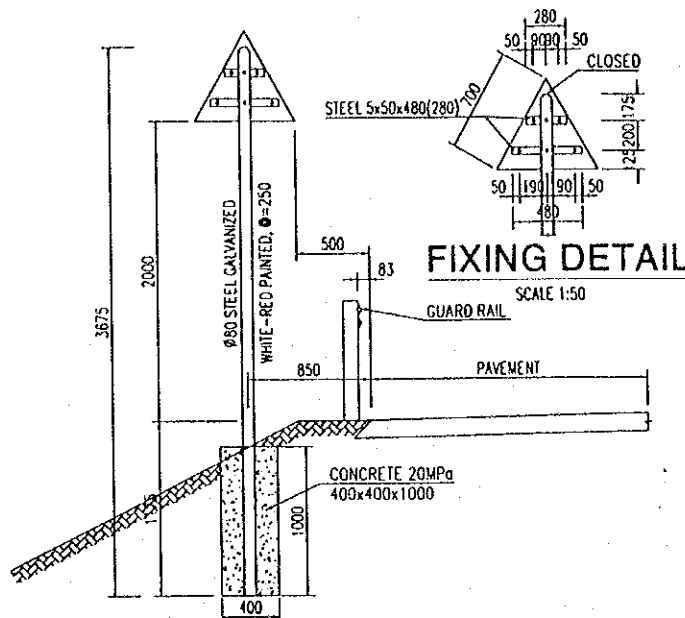
SCALE 1:25

PROJECT NAME	IMPLEMENTATION AGENCY	EXCUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NKK) NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 24/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DETAIL OF SIGNBOARD (2/2)	P3/MS/0130

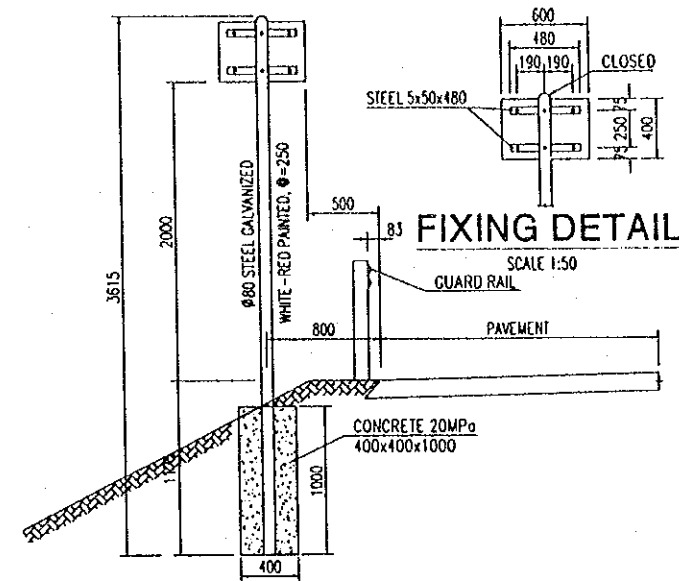




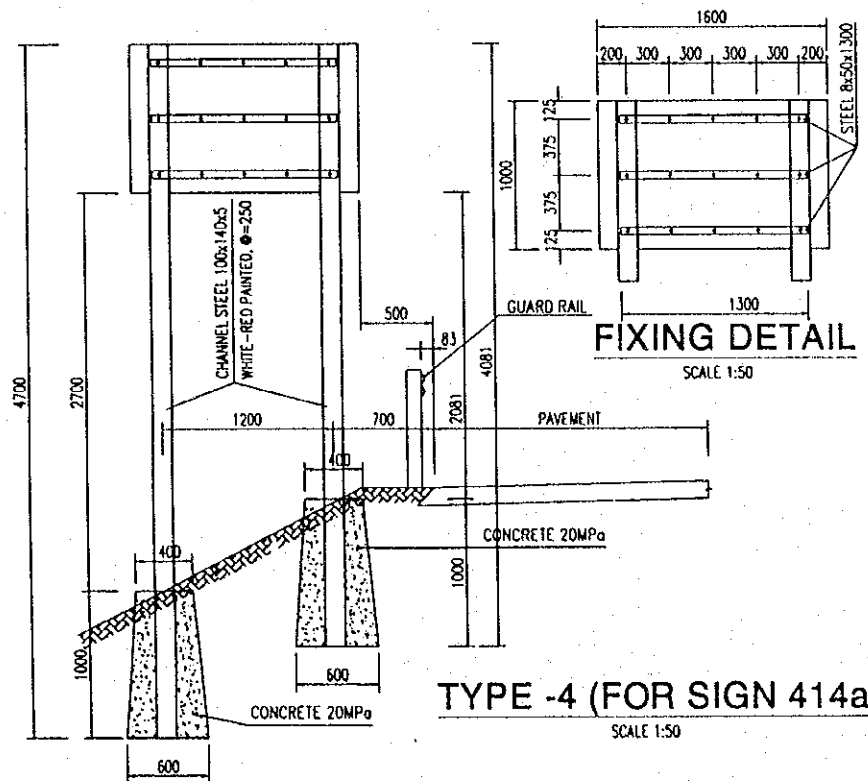
**TYPE -1 (FOR CIRCLE SIGNS)**  
SCALE 1:50



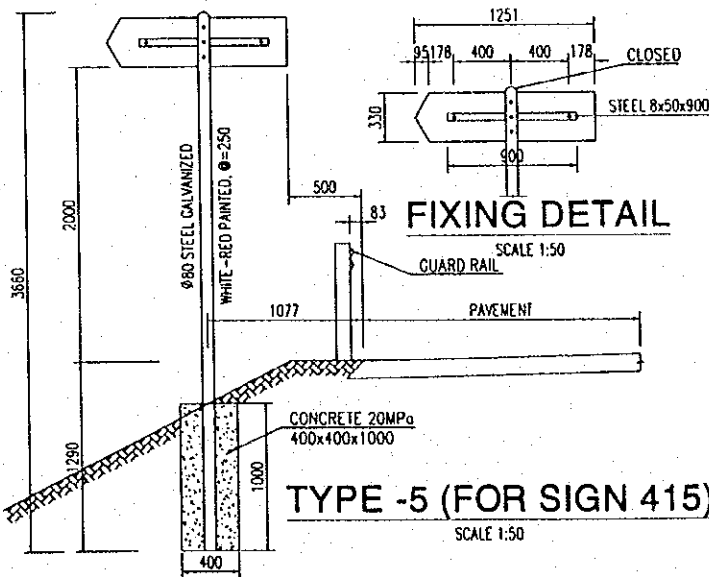
**TYPE -2 (FOR TRIANGLE SIGNS)**  
SCALE 1:50



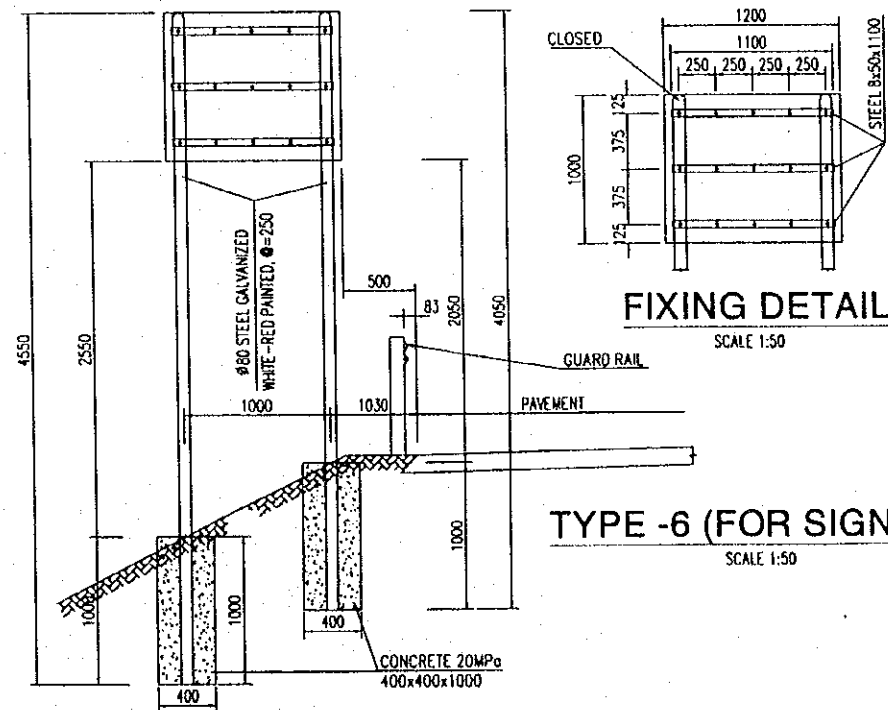
**TYPE -3 (FOR SIGN 440)**  
SCALE 1:50



**TYPE -4 (FOR SIGN 414a)**  
SCALE 1:50

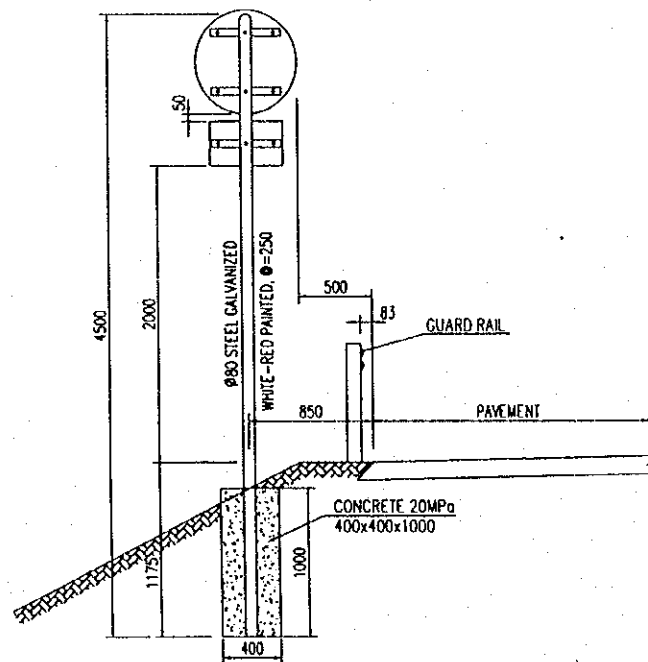


**TYPE -5 (FOR SIGN 415)**  
SCALE 1:50

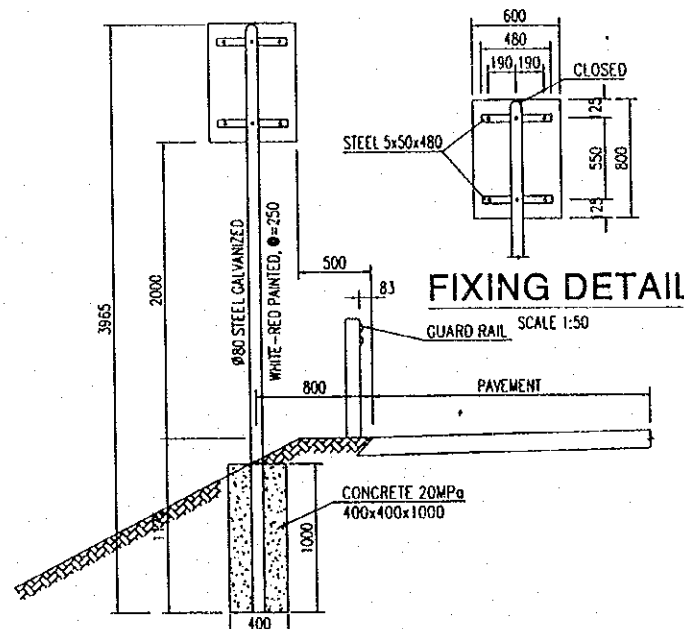


**TYPE -6 (FOR SIGN 419)**  
SCALE 1:50

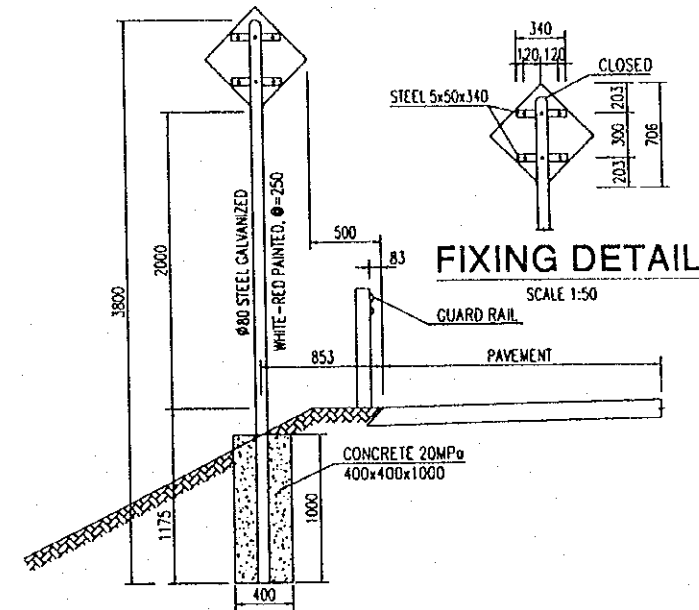
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO., LTD.	NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000	NAME K. Nakai SIGNATURE <i>K. Nakai</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	DETAIL OF SIGNPOST (1/2)	P3/MS/0140



**TYPE -7 (FOR MANY SIGNS ON ONE POST)**  
SCALE 1:50



**TYPE -8 (FOR SIGN 432)**  
SCALE 1:50

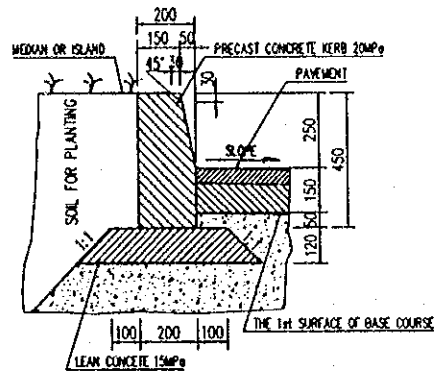


**TYPE -9 (FOR SIGN 401)**  
SCALE 1:50

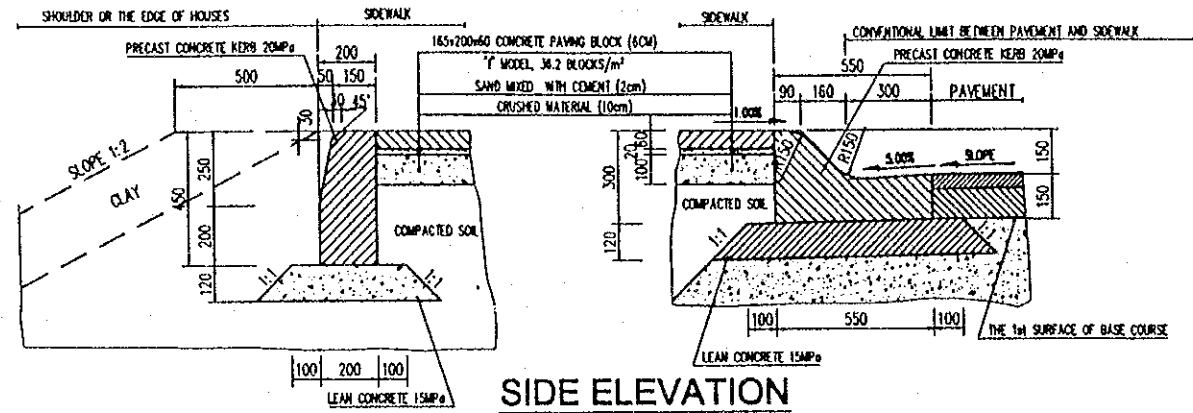
**NOTES:**

ALL SIGN BOARDS ARE PAINTED WITH REFLECTOR AND MADE OF ALUMINUM.

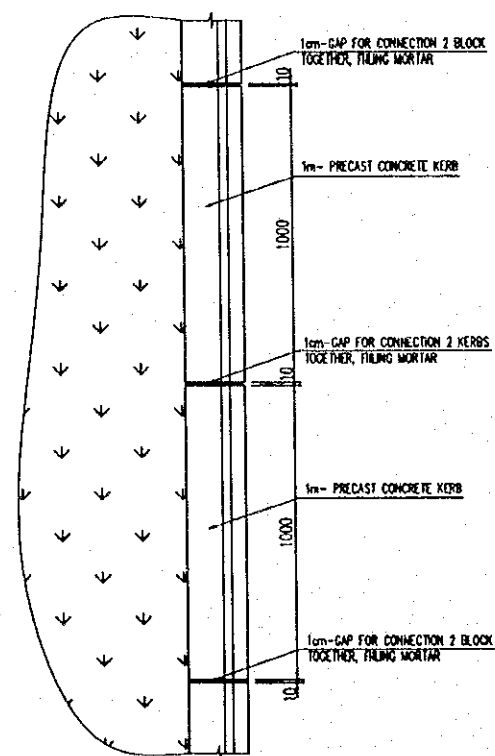
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DETAIL OF SIGNPOST (2/2)	P3/MS/0150



**SIDE ELEVATION**



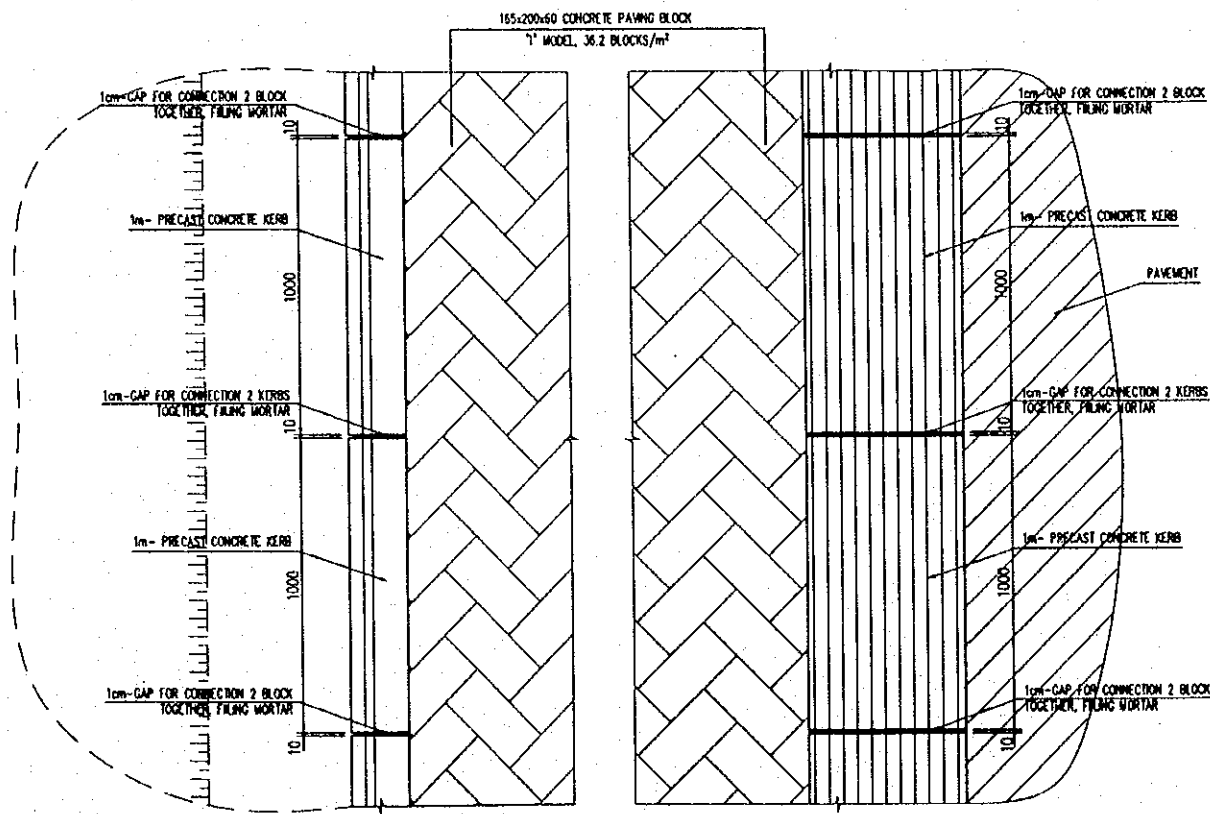
**SIDE ELEVATION**



**PLAN**

**DETAIL OF KERB (TYPE "A")**

SCALE 1:25

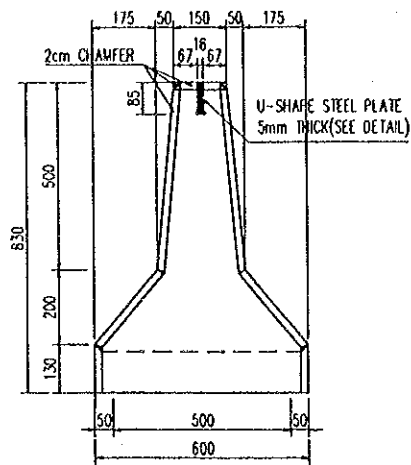


**PLAN**

**DETAIL OF KERB (TYPE "B") AND SIDEWALK**

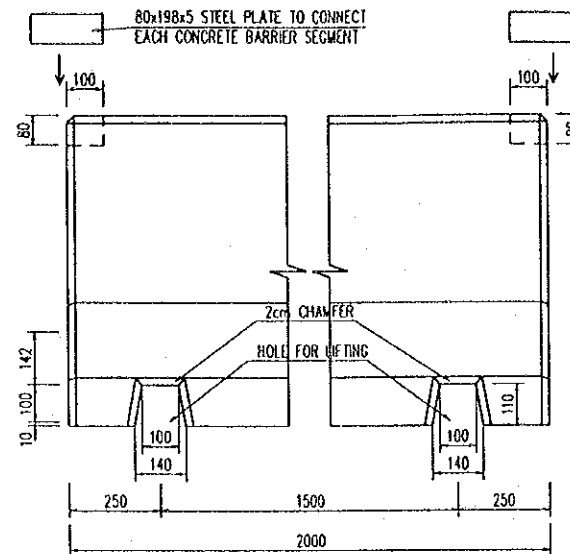
SCALE 1:25

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DETAILS OF CONCRETE KERB AND SIDE WALK	P3/MS/0160



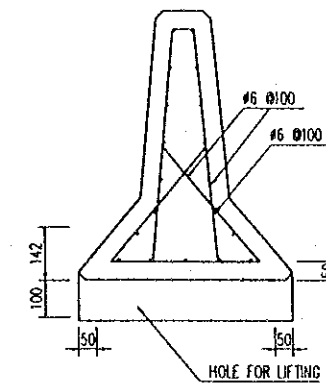
**FRONT ELEVATION**

SCALE 1:20



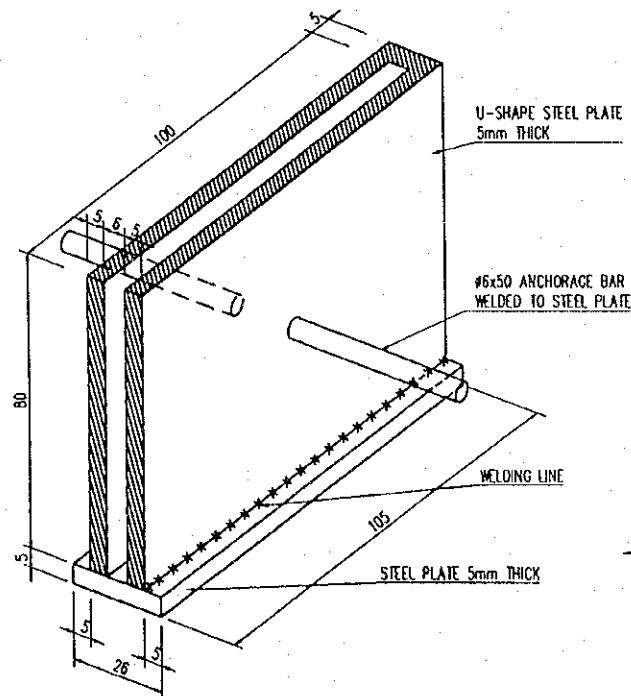
**SIDE ELEVATION**

SCALE 1:20



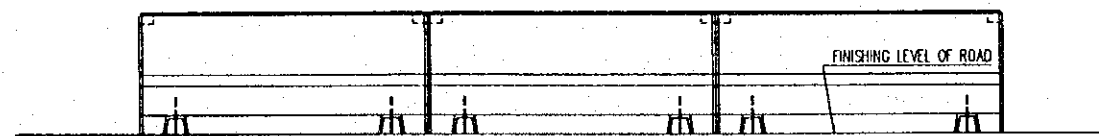
**REINFORCEMENT DETAIL**

SCALE 1:20



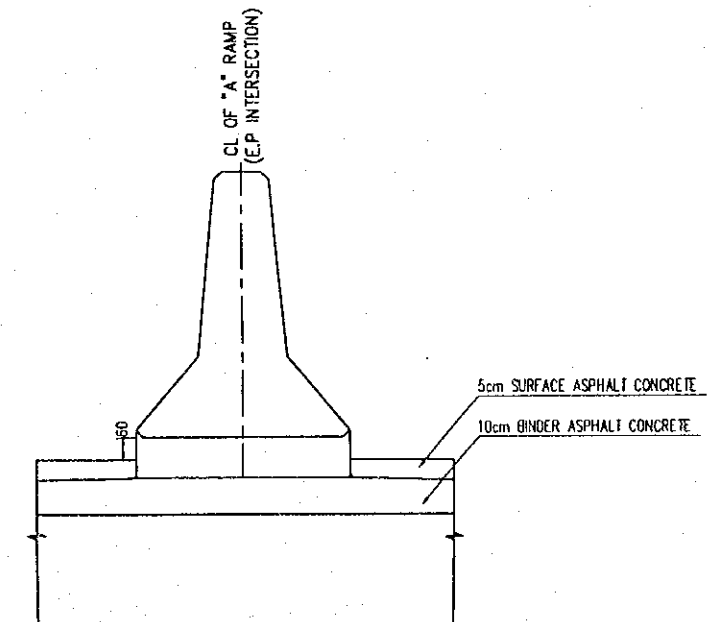
**DETAIL OF U-SHAPE STEEL PLATE**

SCALE 1:2



**SIDE ELEVATION OF INSTALLATION**

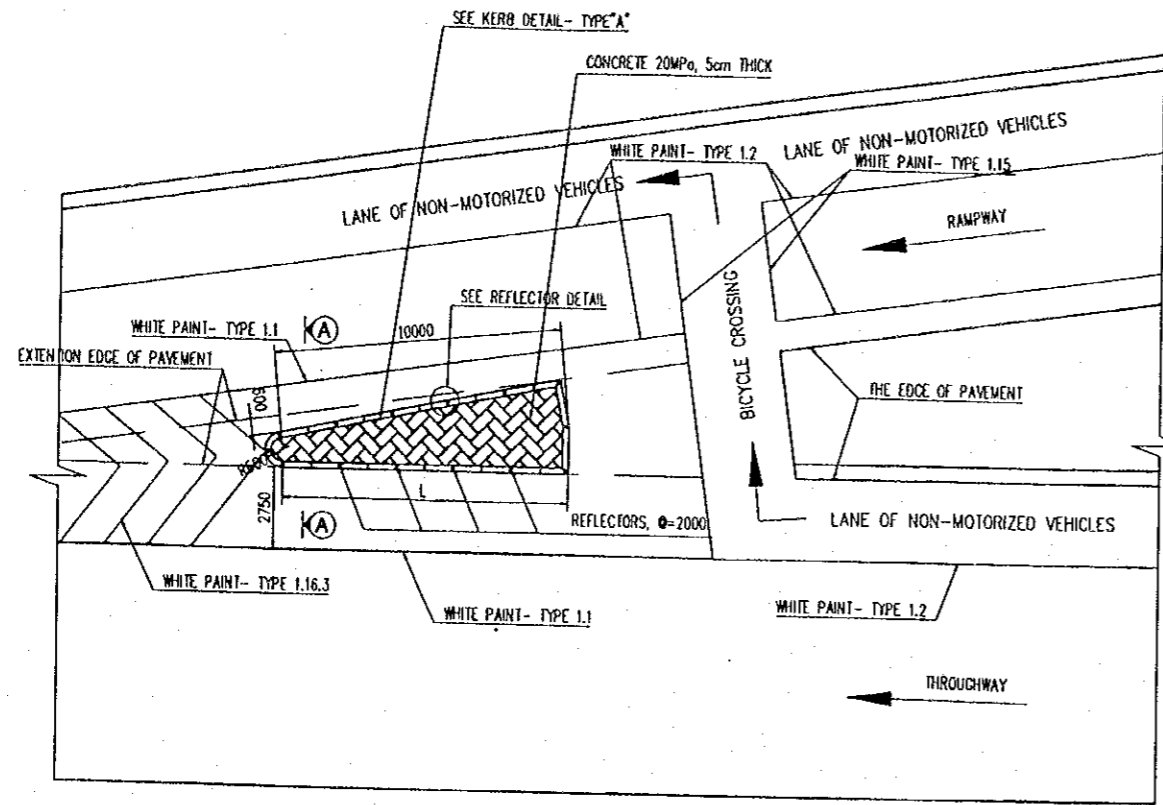
SCALE 1:50



**INSTALLATION IN CROSS SECTION**

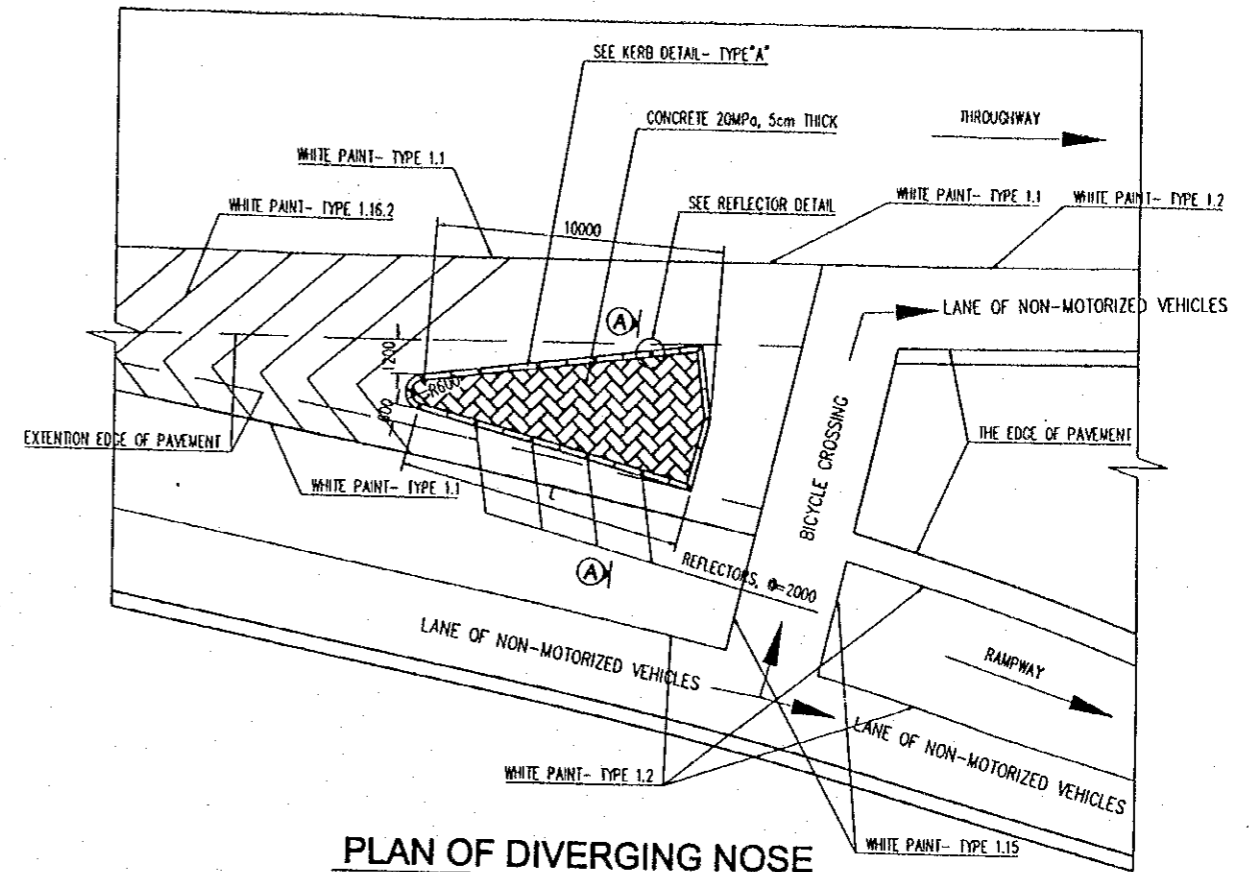
SCALE 1:20

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000	NAME K. Nakai SIGNATURE <i>K. Nakai</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	DETAIL OF MEDIAN BARRIER WALL ON "A" RAMP OF E.P INTERSECTION	P3/MS/0170



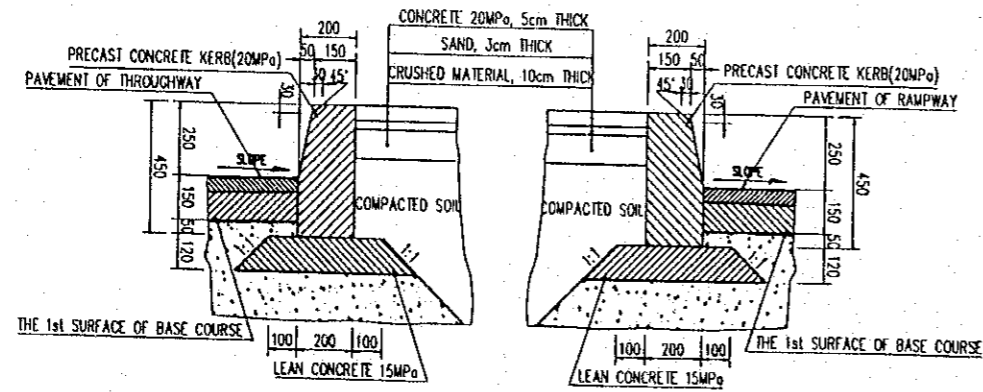
**PLAN OF MERGING NOSE**

SCALE 1:250



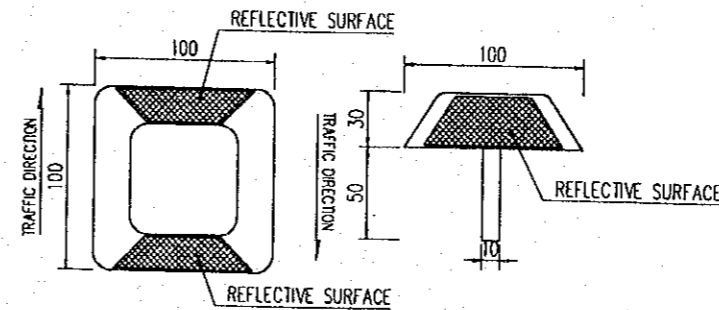
**PLAN OF DIVERGING NOSE**

SCALE 1:250



**A-A (KERB - TYPE "A")**

SCALE 1:25

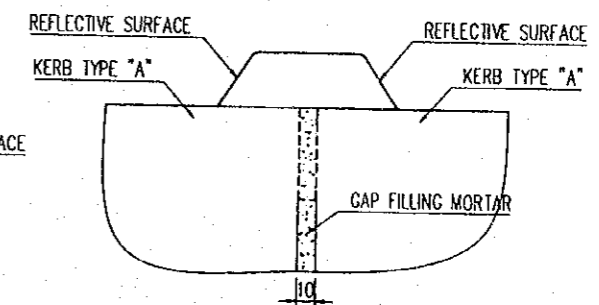


**PLAN**

**SIDE ELEVATION**

**REFLECTOR DETAIL**

SCALE 1:4



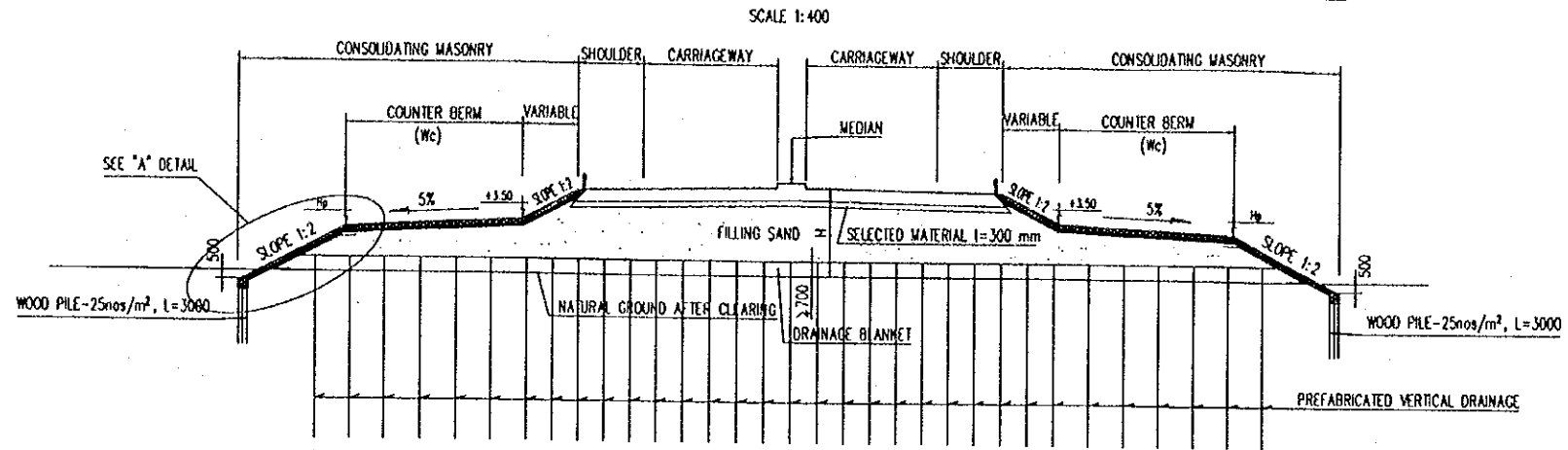
**SIDE ELEVATION OF  
INSTALLING REFLECTORS**

**NOTES:**

- PAINTING WHITE PAINT TYPE 2.7 ALONG THE KERB OF NOSE
- SET REFLECTOR INTO THE GAP BETWEEN TWO KERBS, THEN FILLING MORTAR

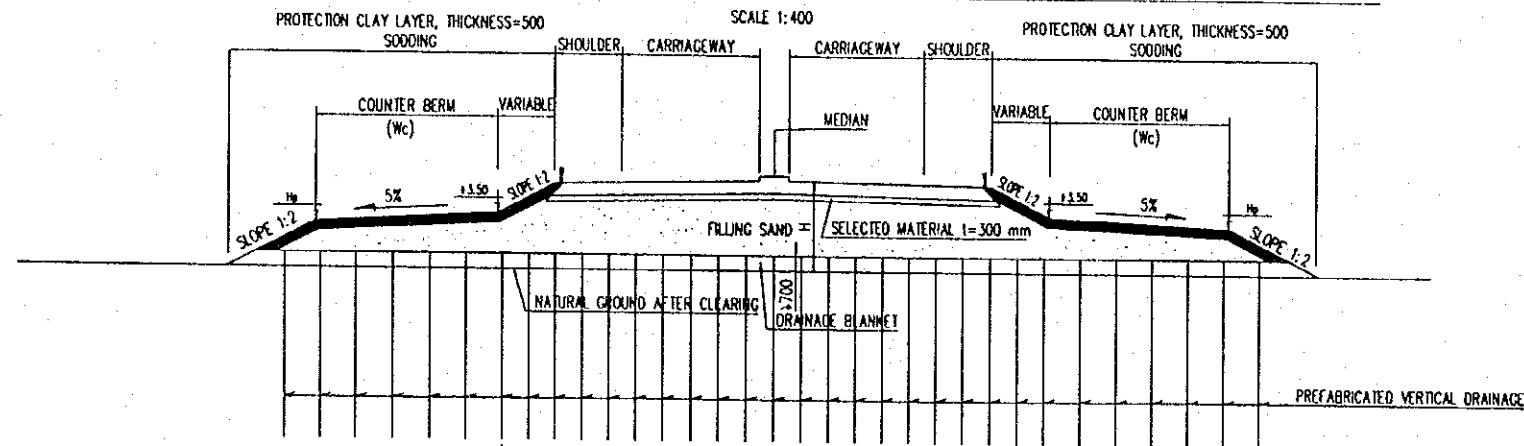
<b>PROJECT NAME</b> DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	<b>IMPLEMENTATION AGENCY</b> JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	<b>EXECUTING AGENCY</b> SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	<b>JICA STUDY TEAM</b> NIPPON KOEI CO.,LTD.	<b>PREPARED BY</b> NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000	<b>CHECKED BY</b> K. Nakai <i>K. Nakai</i> 29/9/2000	<b>APPROVED BY</b> K. Enomoto <i>K. Enomoto</i> 5/10/2000	<b>DRAWING TITLE</b> DETAIL OF NOSE AT RAMPWAY TERMINALS	<b>DWG NO.</b> P3/MS/0180
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### TYPE 1: CROSS-SECTION INSIDE 25m-DISTANT FROM ABUTMENT

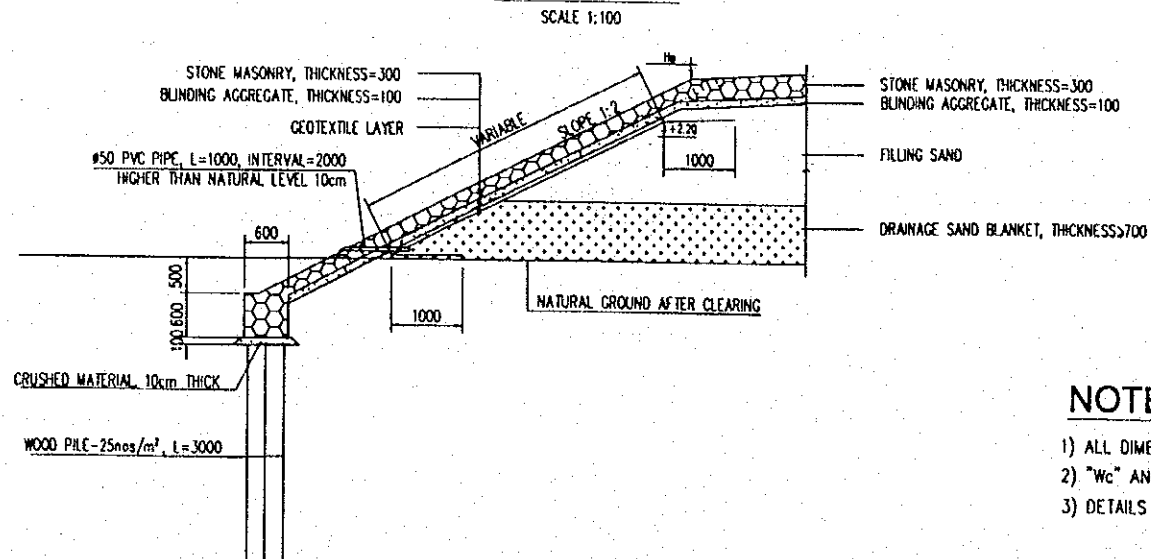


H	5m < H < 6m	H > 6m
Wc	10m	12m
Hp	+3.00	+2.90

### TYPE 2: CROSS-SECTION OUTSIDE 25m-DISTANT FROM ABUTMENT



### "A" DETAIL

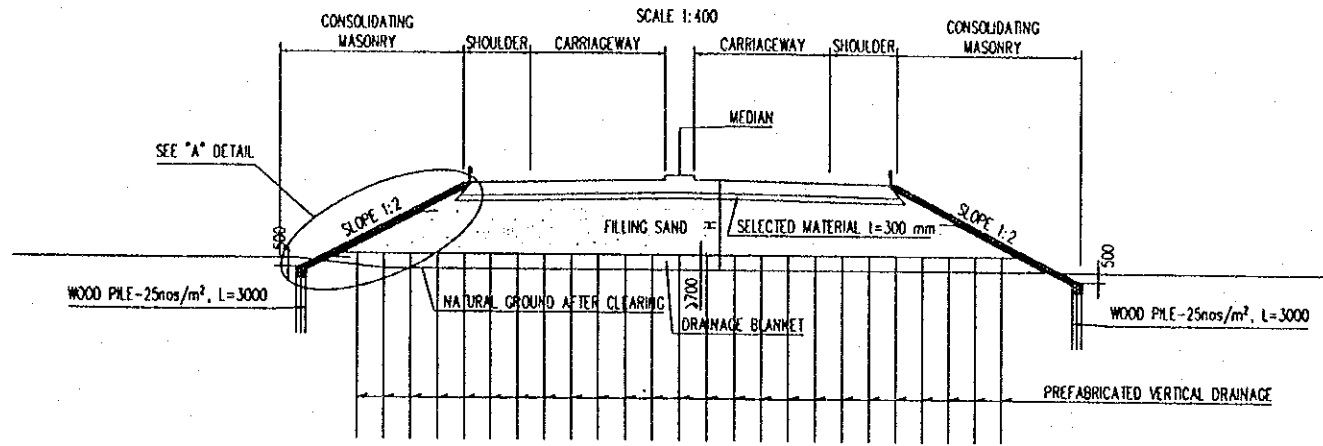


### NOTES:

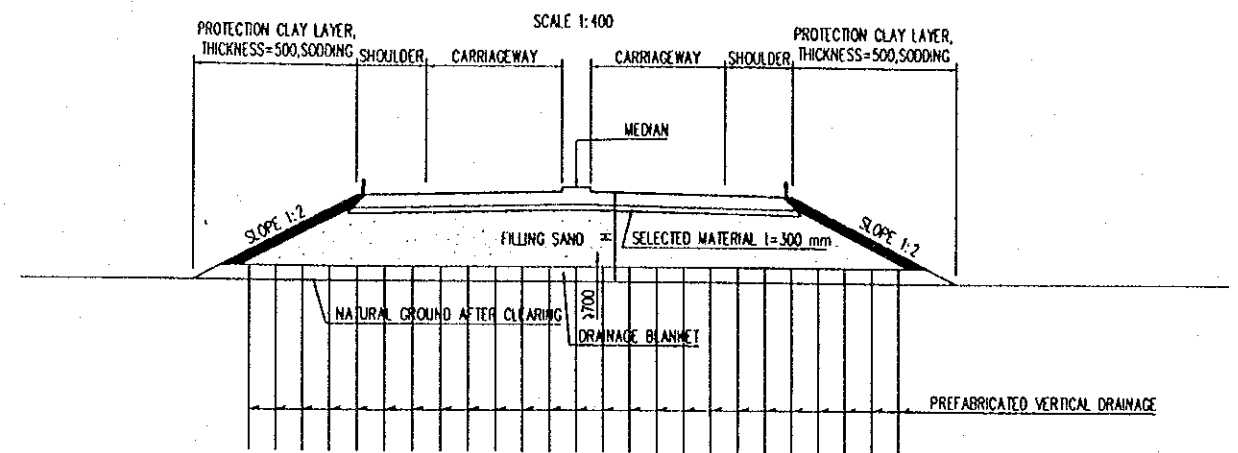
- 1) ALL DIMENSIONS ARE IN MILLIMETER, UNLESS OTHERWISE INDICATED.
- 2) "Wc" AND "Hp" ARE THE WIDTH AND THE ELEVATION OF COUNTER BERM
- 3) DETAILS OF SLOPE PROTECTION SEE BRIDGE DRAWINGS.

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE SLOPE PROTECTION (1/2)	DWG NO. P3/MS/0190
				NAME K. Nemoto	K. Nakai	K. Enomoto		
				SIGNATURE <i>K. Nemoto</i>	<i>K. Nakai</i>	<i>K. Enomoto</i>		
				DATE 20/9/2000	29/9/2000	5/10/2000		

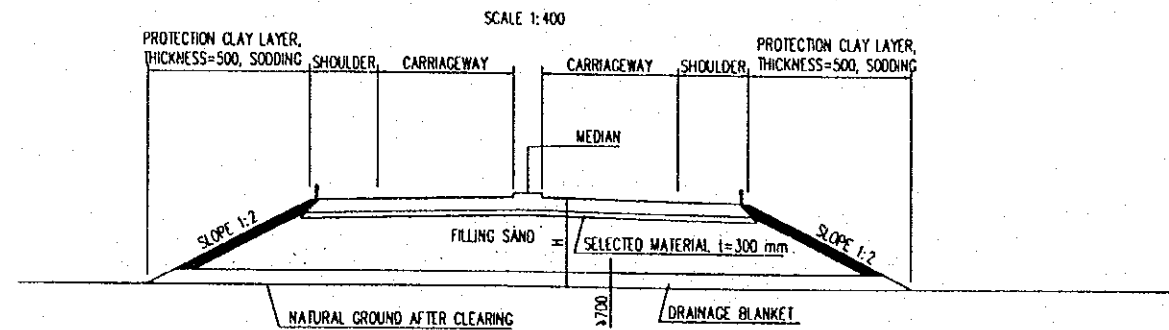
**TYPE 3: CROSS-SECTION INSIDE 25m-DISTANT FROM ABUTMENT**  
 $(3m \leq H < 5m)$



**TYPE 4: CROSS-SECTION OUTSIDE 25m-DISTANT FROM ABUTMENT**  
 $(3m \leq H < 5m)$



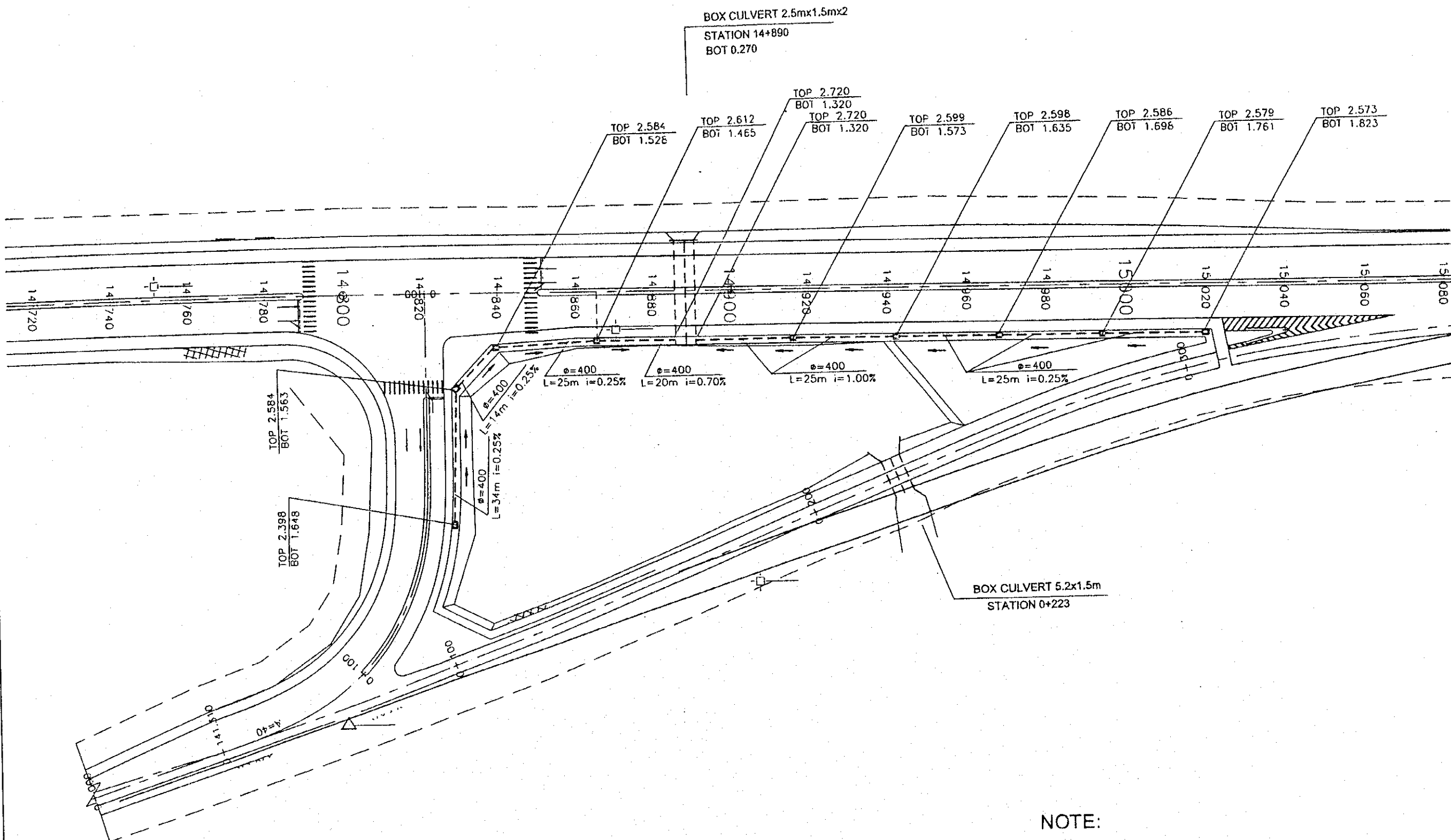
**TYPE 5: CROSS-SECTION OUTSIDE 25m-DISTANT FROM ABUTMENT**  
 $(H < 3m)$



**NOTES:**

1) ALL DIMENSIONS ARE IN MILLIMETER, UNLESS OTHERWISE INDICATED.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	SLOPE PROTECTION (2/2)	P3/MS/0200



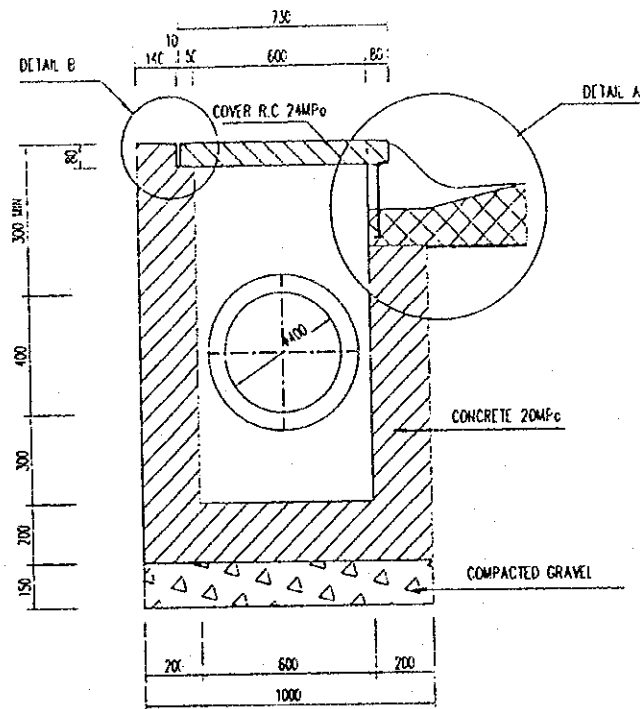
NOTE:  
 1- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE INDICATED.  
 2- ELEVATIONS ARE IN METERS IN REFERENCE TO THE NATIONAL DATUM LEVEL.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY			DRAWING TITLE	DWG NO.
				NAME	CHECKED BY	APPROVED BY		
				DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT		



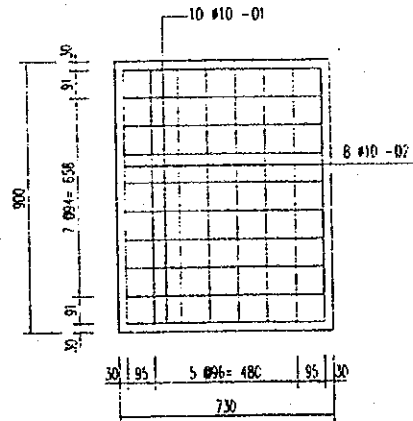
SECTION A - A

SCALE 1:25



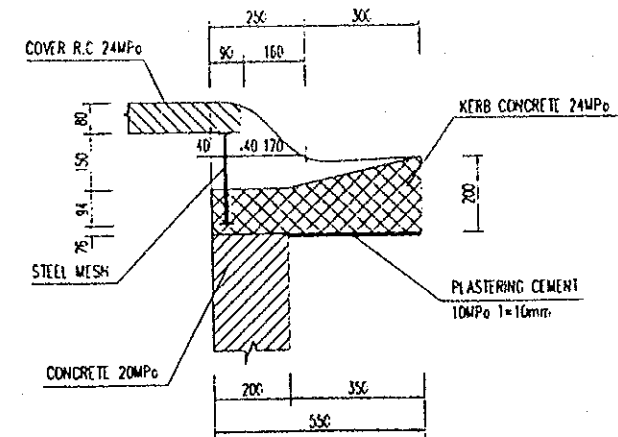
COVER

SCALE 1:25



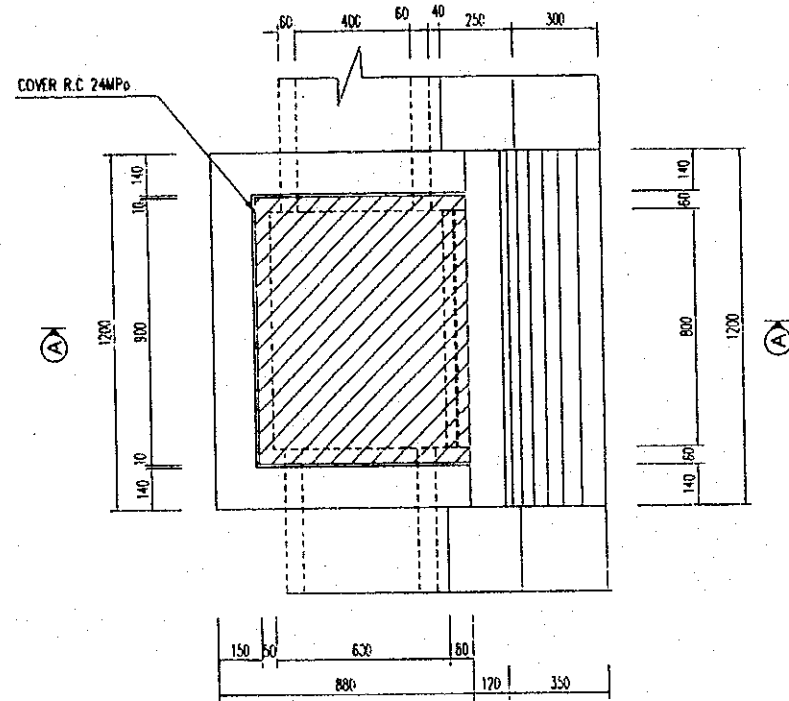
DETAIL A

SCALE 1:20



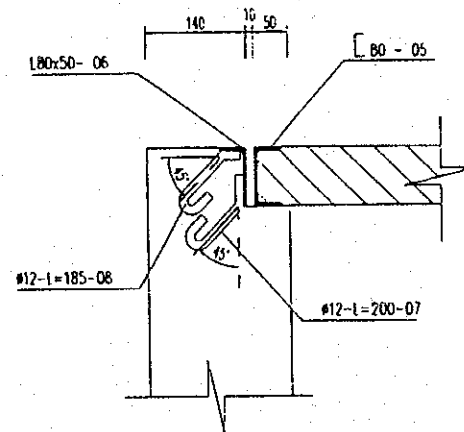
PLAN

SCALE 1:25



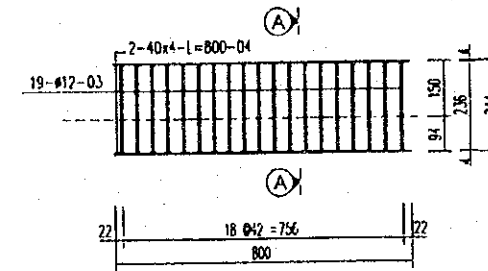
DETAIL B

SCALE 1:10



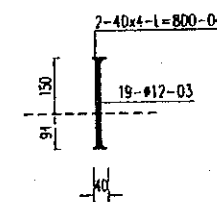
STEEL MESH

SCALE 1:20



A - A

SCALE 1:20



MISCELLANEOUS WORK OF INTERSECTION No1

Culverts 400mm diameter		Catch pit				Pit cover			Steel mesh		Kerbs	
Pipes (m)	Joints No	Compacted grave (m <sup>3</sup> )	Concrete 20 MPa grade (m <sup>3</sup> )	Compacted grave (m <sup>3</sup> )	Reinforcement 12 mm diameter (Kg)	180x50 steel (Kg)	Concrete 24 MPa grade (m <sup>3</sup> )	Reinforcement 10 mm diameter (Kg)	80 steel (Kg)	Pieces steel 40x4x800 mm (Kg)	Reinforcement 12 mm diameter (Kg)	Concrete 24 MPa grade (m <sup>3</sup> )
216	216	39.24	9.51	1.62	21.54	107.78	0.47	94.11	206.85	18.09	35.84	0.58

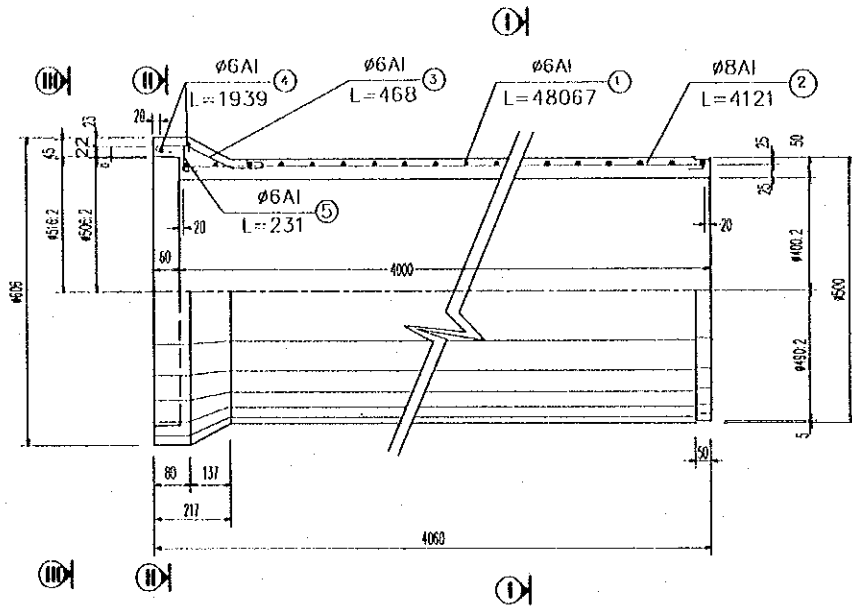
NOTE :  
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE INDICATED.

CATCH PIT & DROP INLET

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NK NIPPON KOBI CO.,LTD.	NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000	NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 24/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DETAIL OF CATCH PIT, DROP INLET AND COVER INTERSECTION No 1	P3/MS/0220

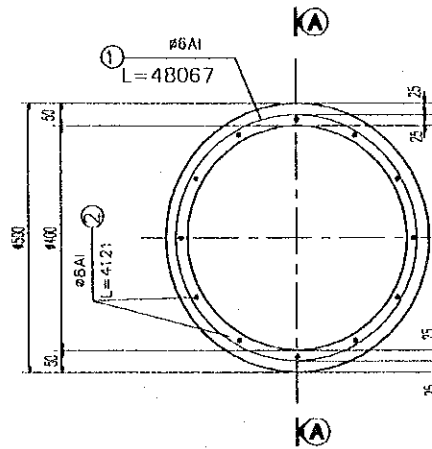
**SECTION A-A**

SCALE 1:10



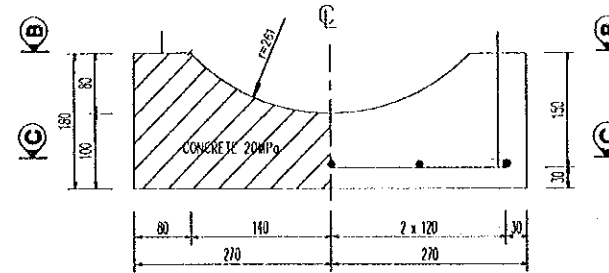
**SECTION I - I**

SCALE 1:10

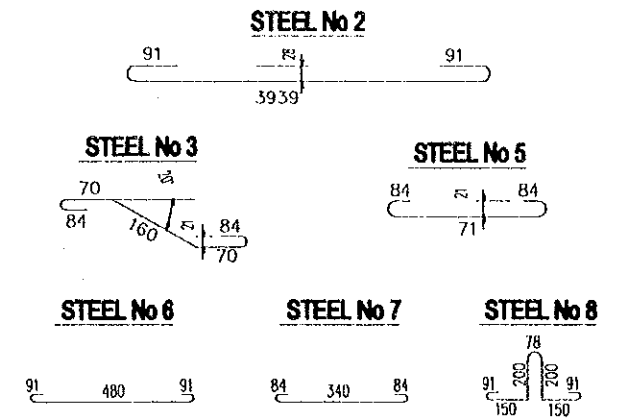


**SUPPORT OF PIPE D400**

SCALE 1:10

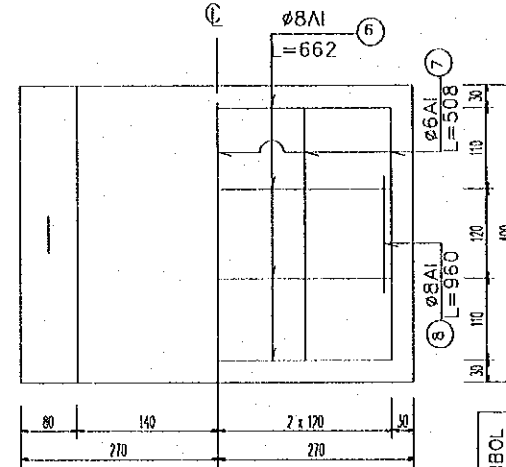


**BENDING DIAGRAM**



**HALF SECTION B-B HALF SECTION C-C**

SCALE 1:10



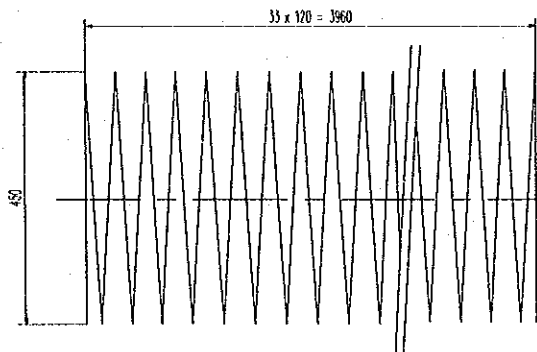
**QUANTITY TABLE FOR 1 SUPPORT OF PIPE D400**

SYMBOL	DIAMETER OF REBAR	LENGTH OF 1 BAR	NUMBER OF BARS	TOTAL LENGTH	TOTAL WEIGHT
⑥	Ø8	662	4	3.130	1.050
⑦	Ø6	508	4	2.030	0.450
⑧	Ø8	960	2	1.920	0.760

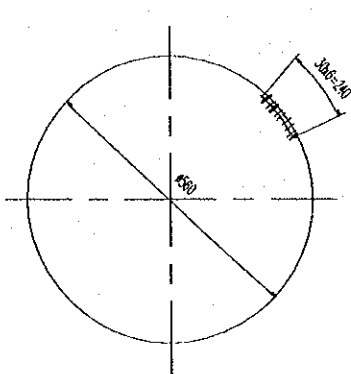
- CONCRETE 20MPa = 0.021m<sup>3</sup> - STEEL Ø8 = 1.810kg.  
- STEEL Ø6 = 0.450kg.

**BENDING DIAGRAM**

STEEL No 1

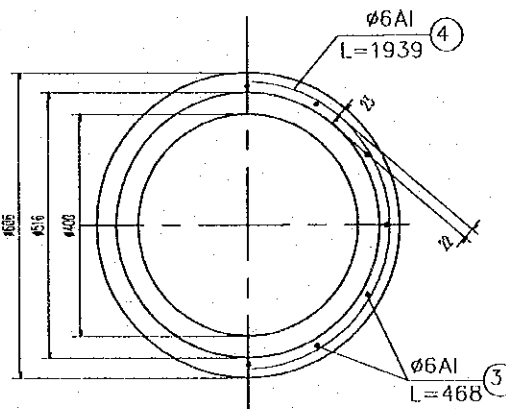


STEEL No 4



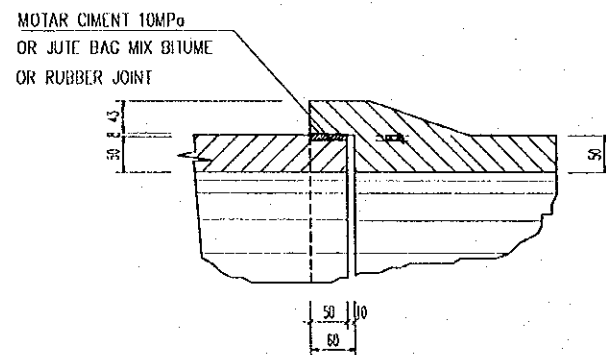
**HALF SECTION III - III HALF SECTION II - II**

SCALE 1:10



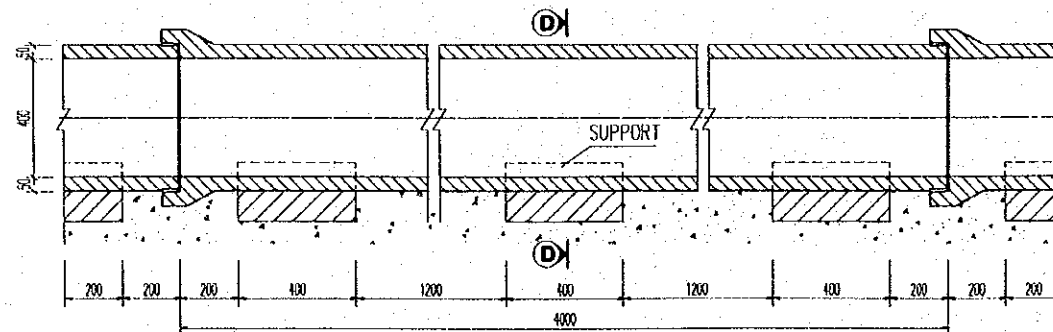
**DETAIL OF JOINT PIPE**

SCALE 1:10



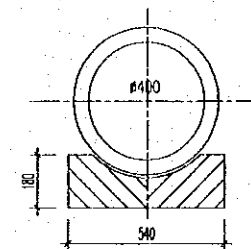
**LOCATE SUPPORT OF PIPES**

SCALE 1:25



**SECTION D - D**

SCALE 1:25



**TABLE OF MATERIAL**

SYMBOL	DIAMETER (mm)	NUMBER OF BAR	LENGTH OF BAR (mm)	TOTAL LENGTH (m)	TOTAL WEIGHT (kg)	REMARK
①	Ø6A1	01	18067	48.067	10.670	
②	Ø8A1	11	4121	45.331	17.906	
③	Ø6A1	11	468	5.148	1.143	
④	Ø6A1	02	1939	3.878	0.860	
⑤	Ø6A1	11	231	2.541	0.564	
TOTAL				Ø6A1	13.24	
TOTAL OF REBAR (kg)				Ø8A1	17.91	
CONCRETE 30MPa					0.300m <sup>3</sup> /Ø1 pipe	

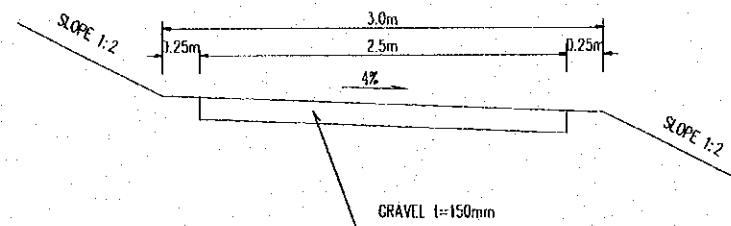
- NOTE**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
  - THE JUNCTION AT THE ENDS OF DEFORMED BARS ARE TO BE FILLED OR TIED (THE OVERLAP IS NOT LESS THAN 30D OF THE BAR)
  - THE HEIGHT OF EMBANKMENT IS MIN 0.5m AND MAX 4.0m.
  - THE SUBGRADE REQUIREMENT IS TO BE KEPT ON SPECIFICATION.
  - LIVE LOAD ALLOWED IS H-30 & HK-80.
  - THE PIPE IS MADE BY CENTRIFUGAL METHOD COMBINED VIBRATING.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	K. Nemoto	K. Nakai	K. Enomoto	REINFORCED CONCRETE PIPE Ø400	P3/MS/0230
				NAME: K. Nemoto	NAME: K. Nakai	NAME: K. Enomoto		
				SIGNATURE: [Signature]	SIGNATURE: [Signature]	SIGNATURE: [Signature]		
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		

## SCHEDULE OF SERVICE ROAD

No	CHAINAGE		LOCATION	LENGTH (m)	WIDTH (m)	GROUND ELEVATION (m)	DESIGN ELEVATION (m)	
	FROM	TO					FROM	TO
1	7+640.00	7+700.00	LEFT+RIGHT	162.00	2.50 / 3.00	0.10	1.74	1.74
2	7+700.00	7+769.00	LEFT+RIGHT	139.00	2.50 / 3.00	0.10	1.74	4.65
3	8+321.00	8+478.00	LEFT+RIGHT	221.00	2.50 / 3.00	0.41	1.74	5.60
4	8+614.00	8+724.50	LEFT+RIGHT	230.00	2.50 / 3.00	0.31	1.74	1.74
5	8+724.50	8+785.00	LEFT+RIGHT	123.00	2.50 / 3.00	0.41	1.74	4.61
6	9+337.00	9+380.00	LEFT+RIGHT	90.00	2.50 / 3.00	1.10	4.98	1.74
7	9+380.00	9+440.00	LEFT+RIGHT	138.00	2.50 / 3.00	0.50	1.74	1.74
8	9+461.00	9+521.50	LEFT+RIGHT	147.00	2.50 / 3.00	0.50	1.74	1.74
9	9+521.50	9+592.00	LEFT+RIGHT	157.00	2.50 / 3.00	1.50	1.74	5.02
10	10+341.00	10+446.00	LEFT+RIGHT	339.00	2.50 / 3.00	1.20	1.74	1.74
11	10+473.00	10+560.00	LEFT+RIGHT	148.00	2.50 / 3.00	0.65	1.74	1.74
12	10+580.00	10+602.00	LEFT+RIGHT	80.00	2.50 / 3.00	1.45	1.74	4.89
13	11+084.00	11+160.00	LEFT+RIGHT	124.00	2.50 / 3.00	1.00	4.47	1.74
14	11+160.00	11+203.00	LEFT+RIGHT	160.00	2.50 / 3.00	1.00	1.74	1.74
15	11+227.00	11+280.00	LEFT+RIGHT	175.00	2.50 / 3.00	1.00	1.74	1.74
16	11+280.00	11+337.00	LEFT+RIGHT	109.00	2.50 / 3.00	1.00	1.74	4.68
17	12+188.00	12+254.00	LEFT+RIGHT	135.00	2.50 / 3.00	0.90	6.15	1.74
18	12+254.00	12+361.00	LEFT+RIGHT	287.00	2.50 / 3.00	0.90	1.74	1.74
19	12+451.00	12+507.00	LEFT+RIGHT	258.00	2.50 / 3.00	1.00	1.74	1.74
20	12+507.00	12+586.00	LEFT+RIGHT	149.00	2.50 / 3.00	1.00	1.74	5.60
21	12+967.00	13+023.00	LEFT+RIGHT	108.00	2.50 / 3.00	1.00	3.79	1.74
22	13+023.00	13+159.00	LEFT+RIGHT	287.00	2.50 / 3.00	1.00	1.74	1.74
23	13+206.00	13+320.00	LEFT+RIGHT	263.00	2.50 / 3.00	1.10	1.74	1.74
24	13+320.00	13+380.00	LEFT+RIGHT	101.00	2.50 / 3.00	11.00	1.74	4.01
25	13+674.00	13+754.00	LEFT+RIGHT	120.00	2.50 / 3.00	1.20	2.63	1.74
26	13+754.00	13+877.00	LEFT+RIGHT	327.00	2.50 / 3.00	1.20	1.74	1.74
27	13+959.00	14+160.00	LEFT+RIGHT	381.00	2.50 / 3.00	1.00	1.74	1.74
28	14+160.00	14+245.00	LEFT+RIGHT	152.00	2.50 / 3.00	1.10	1.74	5.58
TOTAL				5110.00				

### TYPICAL CROSS SECTION



PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
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JICA

