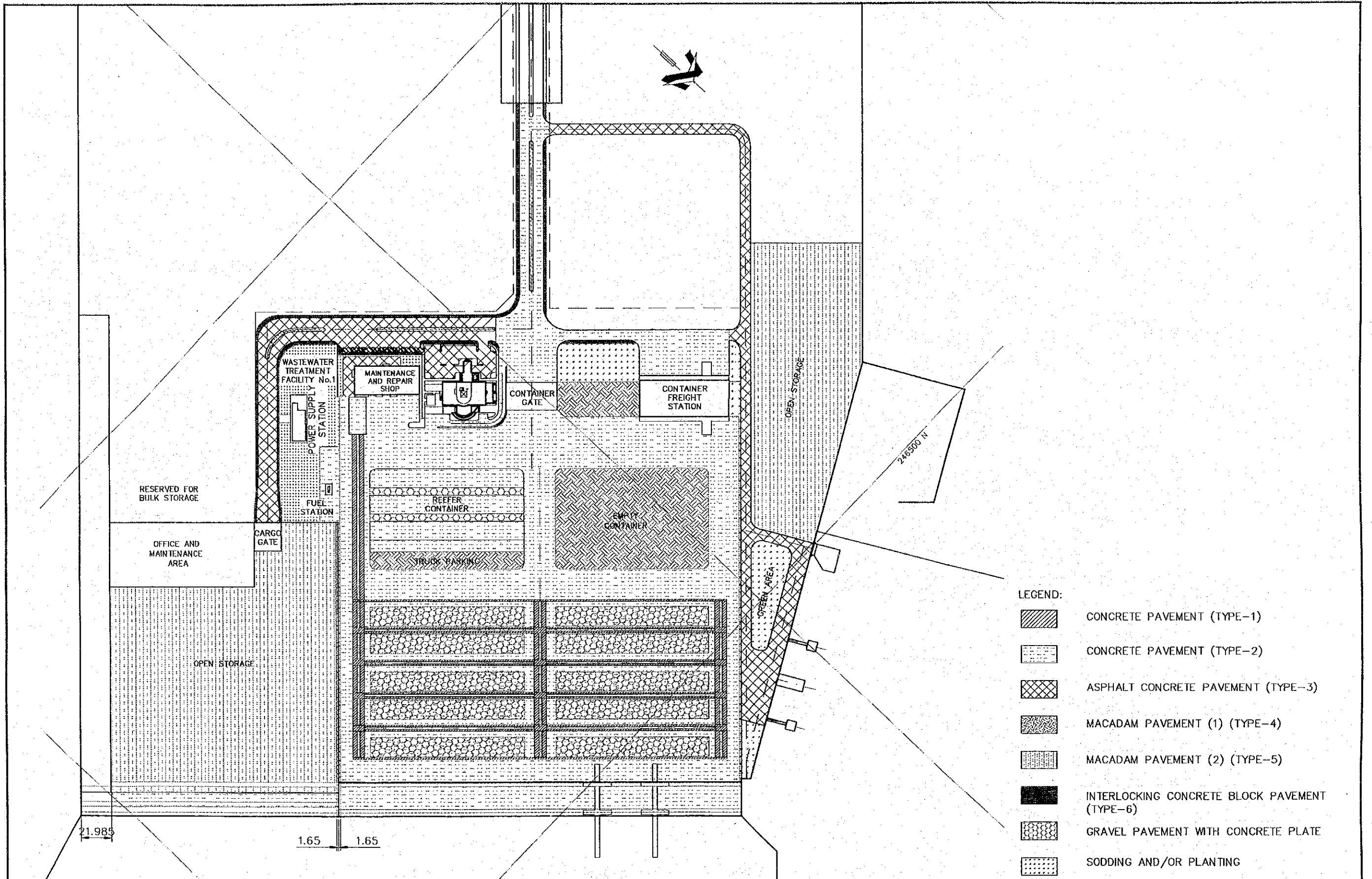



ROAD AND PAVEMENTS



REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

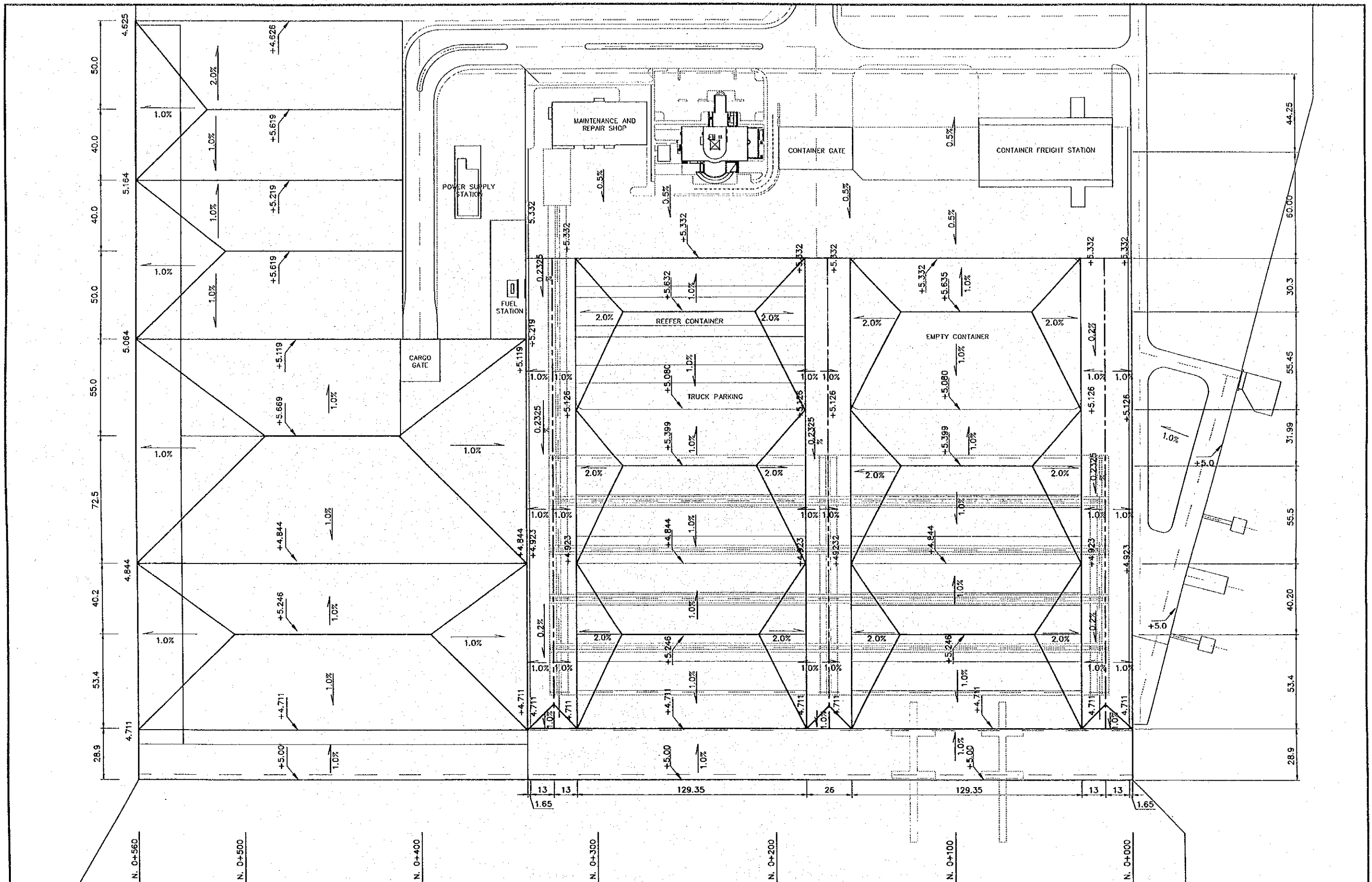
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

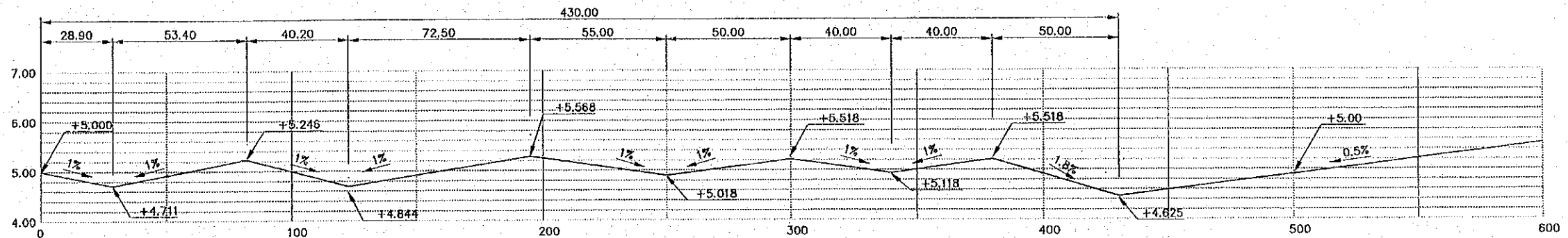
DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : ROAD AND PAVEMENT
 SUB-SECTION : GENERAL
 TITLE : **GENERAL PLAN OF ROAD AND PAVEMENT**

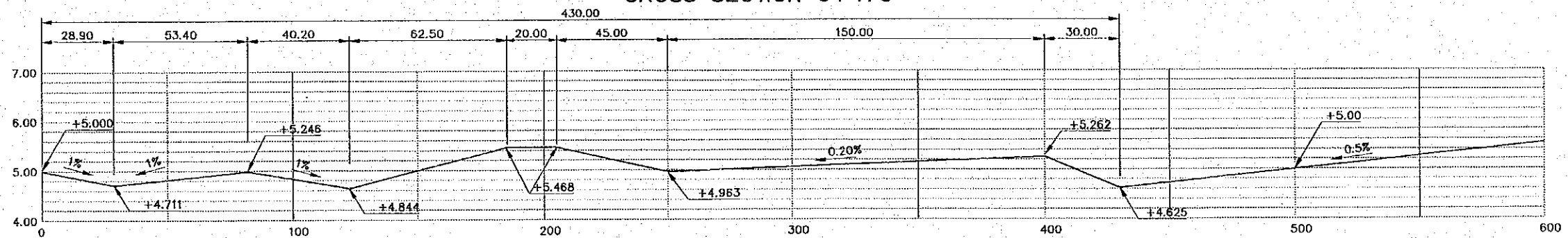
DATE : AUGUST/2002
 SCALE : 1 : 3000
 DRAWING NO: PV-00-001



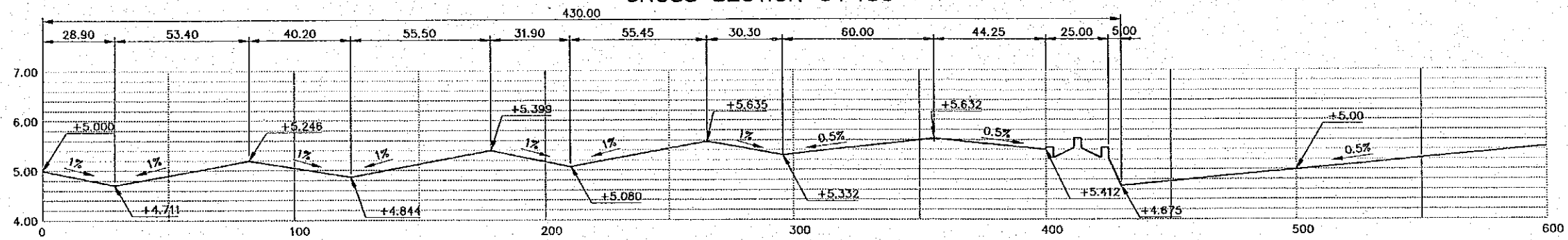
REV. NO. DATE		COORDINATE		BY APPROVED DATE		JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)		THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.		DESIGNED BY : CHECKED BY : APPROVED BY :	SECTION : ROAD AND PAVEMENT SUB-SECTION : GENERAL TITLE : GRADING PLAN OF PAVEMENT SURFACE	DATE : OCTOBER/2002 SCALE : 1 : 2000 DRAWING NO. : PV-00-002
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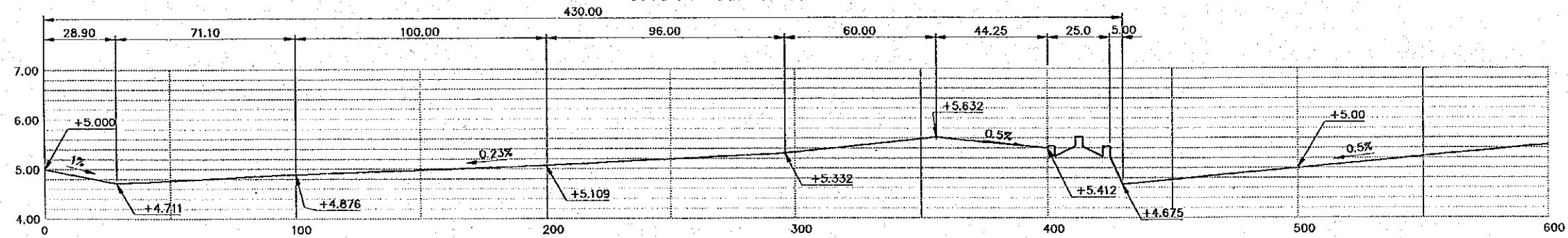
CROSS SECTION 0+475



CROSS SECTION 0+400






CROSS SECTION 0+100



CROSS SECTION 0+000

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

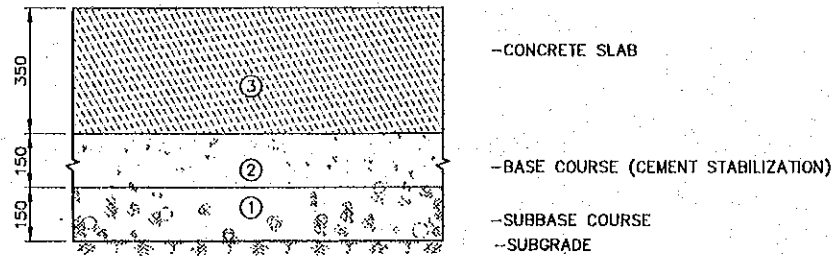
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : **ROAD AND PAVEMENT**
 SUB-SECTION : **GENERAL**
 TITLE : **CROSS SECTIONS OF YARD**

DATE : **OCTOBER/2002**
 SCALE : **H. 1 : 2000**
V. 1 : 100
 DRAWING NO. : **PV-00-003**

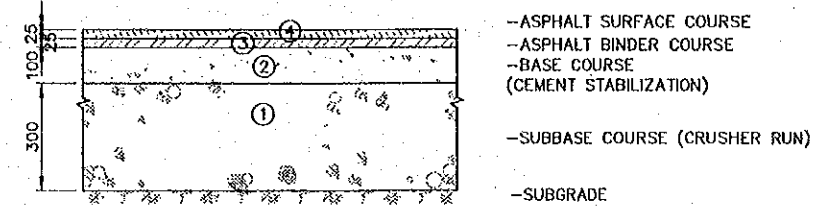
TYPICAL SECTION OF PAVEMENT
SCALE : 1:20



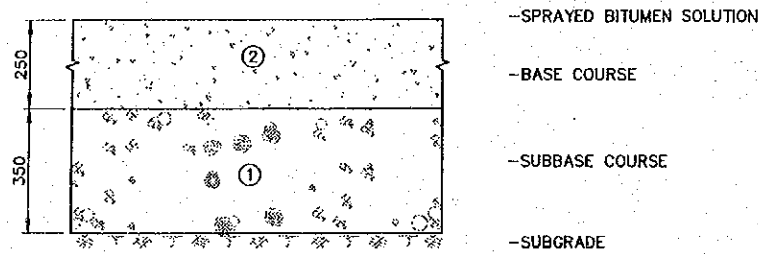
CONCRETE PAVEMENT TYPE 1
(FOR R.T.G. TRAFFIC LANE)



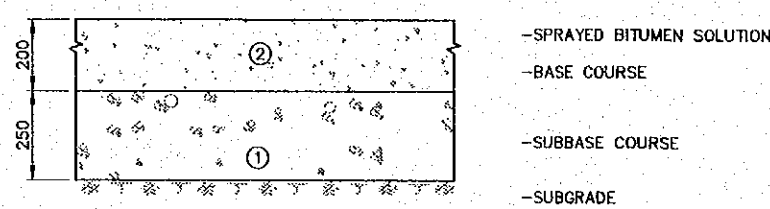
CONCRETE PAVEMENT TYPE 2



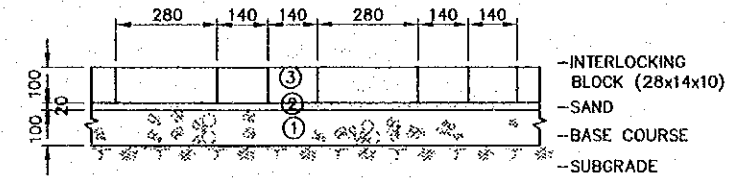
ASPHALT CONCRETE PAVEMENT TYPE 3



MACADAM PAVEMENT (1) TYPE 4

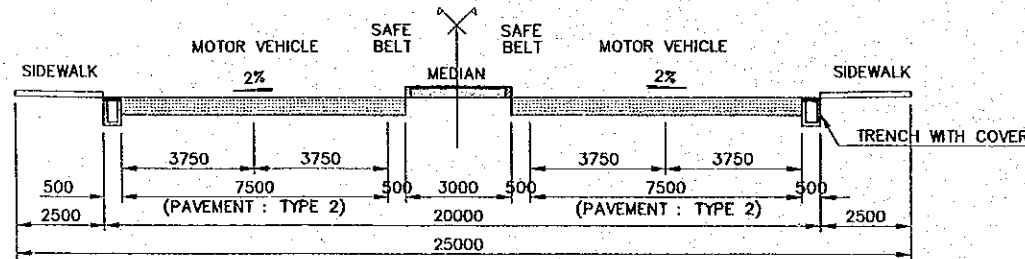


MACADAM PAVEMENT (2) TYPE 5

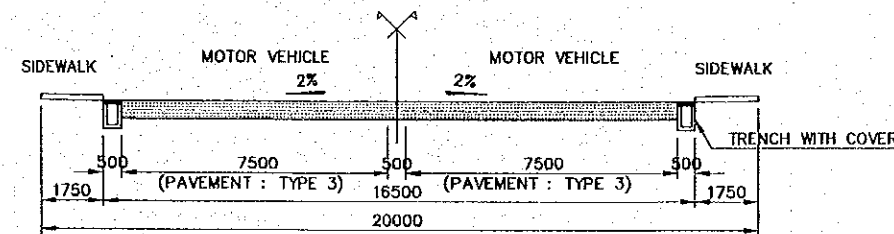


INTERLOCKING CONCRETE BLOCK PAVEMENT TYPE 6
(FOR SIDEWALK)

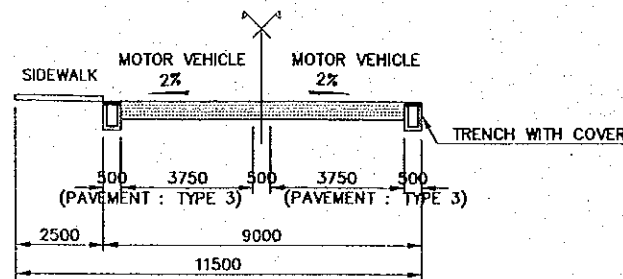
TYPICAL ROAD SECTION
SCALE 1:200



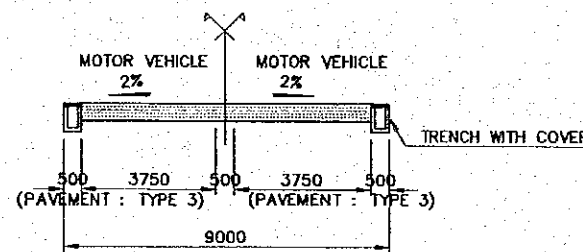
TYPICAL SECTION OF MAIN ROAD (TYPE A)



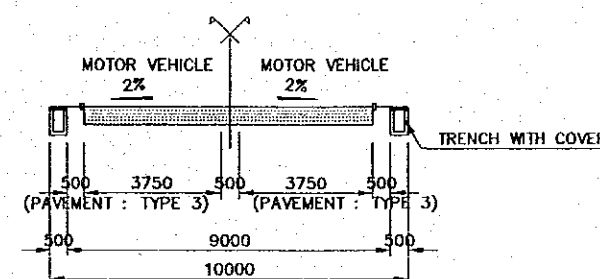
TYPICAL SECTION OF MAIN ROAD (TYPE B)



TYPICAL SECTION OF FEEDER ROAD (TYPE C)

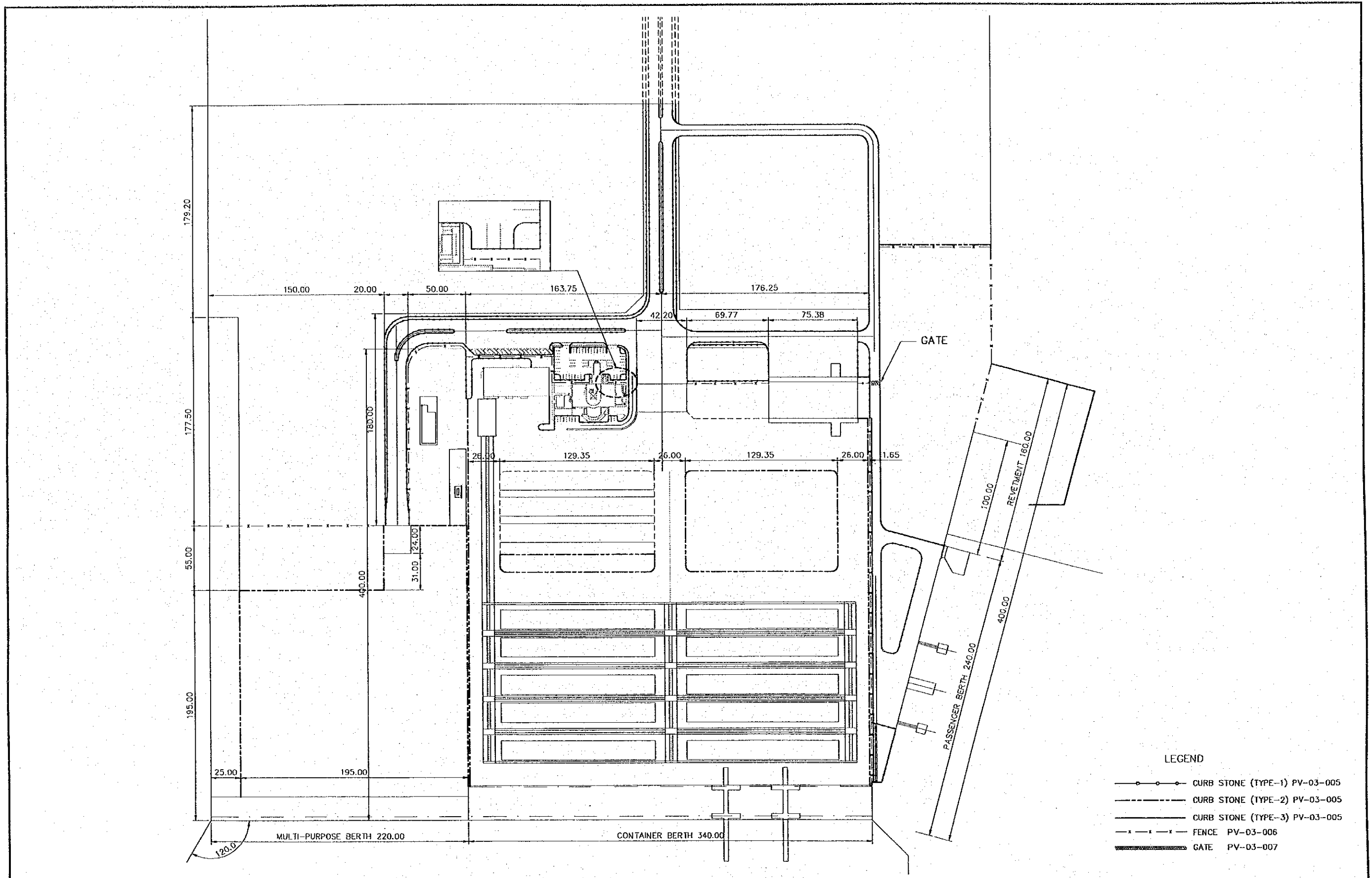


TYPICAL SECTION OF FEEDER ROAD (TYPE D)

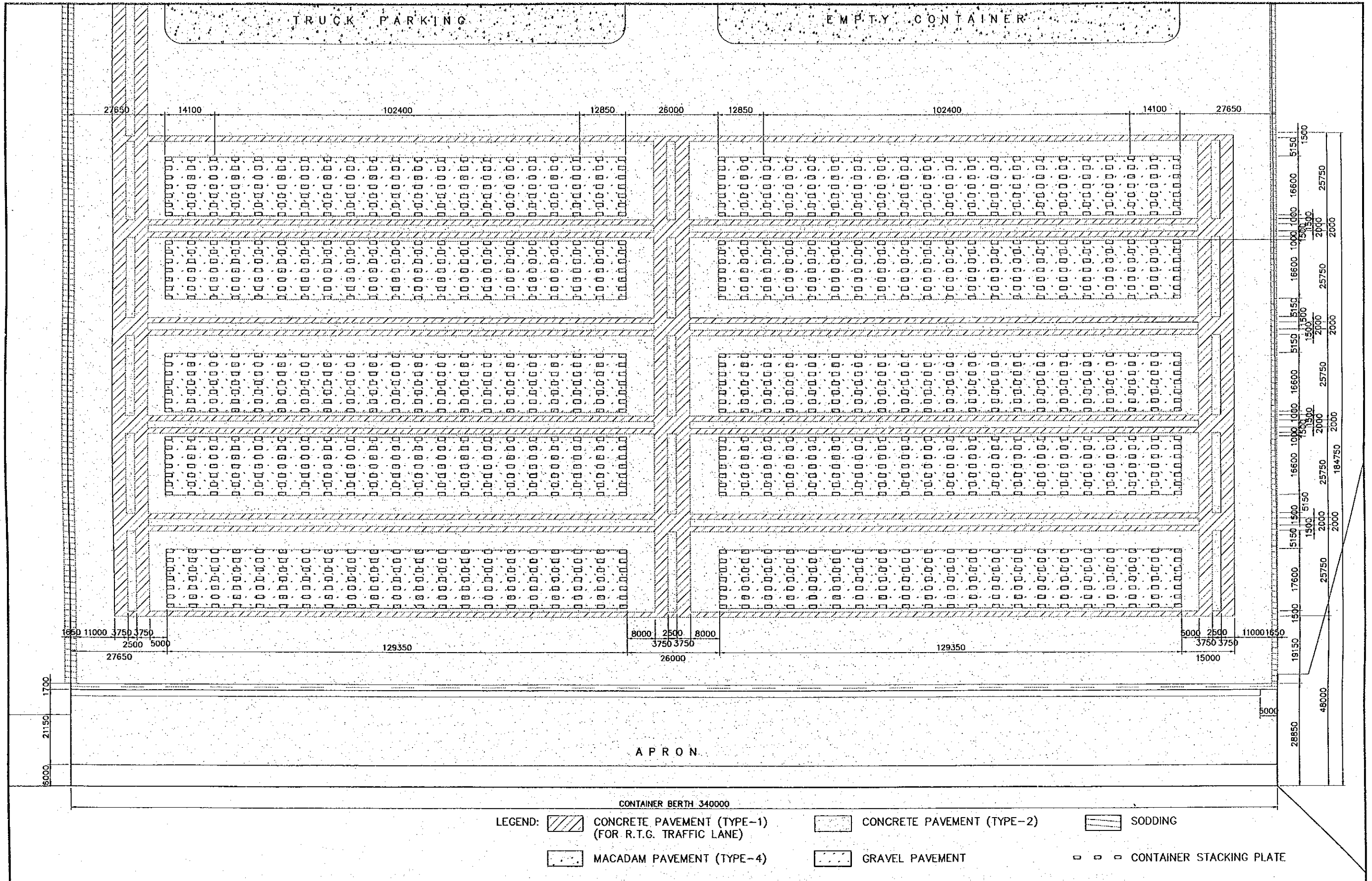


TYPICAL SECTION OF FEEDER ROAD (TYPE E)

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)</p>	<p>THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR</p> <p>NIPPON KOEI CO., LTD.</p>	DESIGNED BY :	SECTION : ROAD AND PAVEMENT	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : GENERAL	SCALE : AS INDICATED
								APPROVED BY :	TITLE : TYPICAL SECTIONS OF ROAD AND PAVEMENT	DRAWING NO. : PV-00-004



REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	<p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)</p> <p>CEPA COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)</p>	<p>THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR</p> <p>NIPPON KOEI CO., LTD.</p>	DESIGNED BY :	SECTION :	ROAD AND PAVEMENT	DATE :	OCTOBER/2002
								CHECKED BY :	SUB-SECTION :	GENERAL	SCALE :	1 : 3000
								APPROVED BY :	TITLE :	LAYOUT OF CURB STONE AND FENCE	DRAWING NO. :	PV-00-005



REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
 JAPAN INTERNATIONAL
 COOPERATION AGENCY
 (JICA)

Cpa
 COMISION EJECUTIVA
 PORTUARIA AUTONOMA
 (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR

NKC NIPPON KOEI CO., LTD.

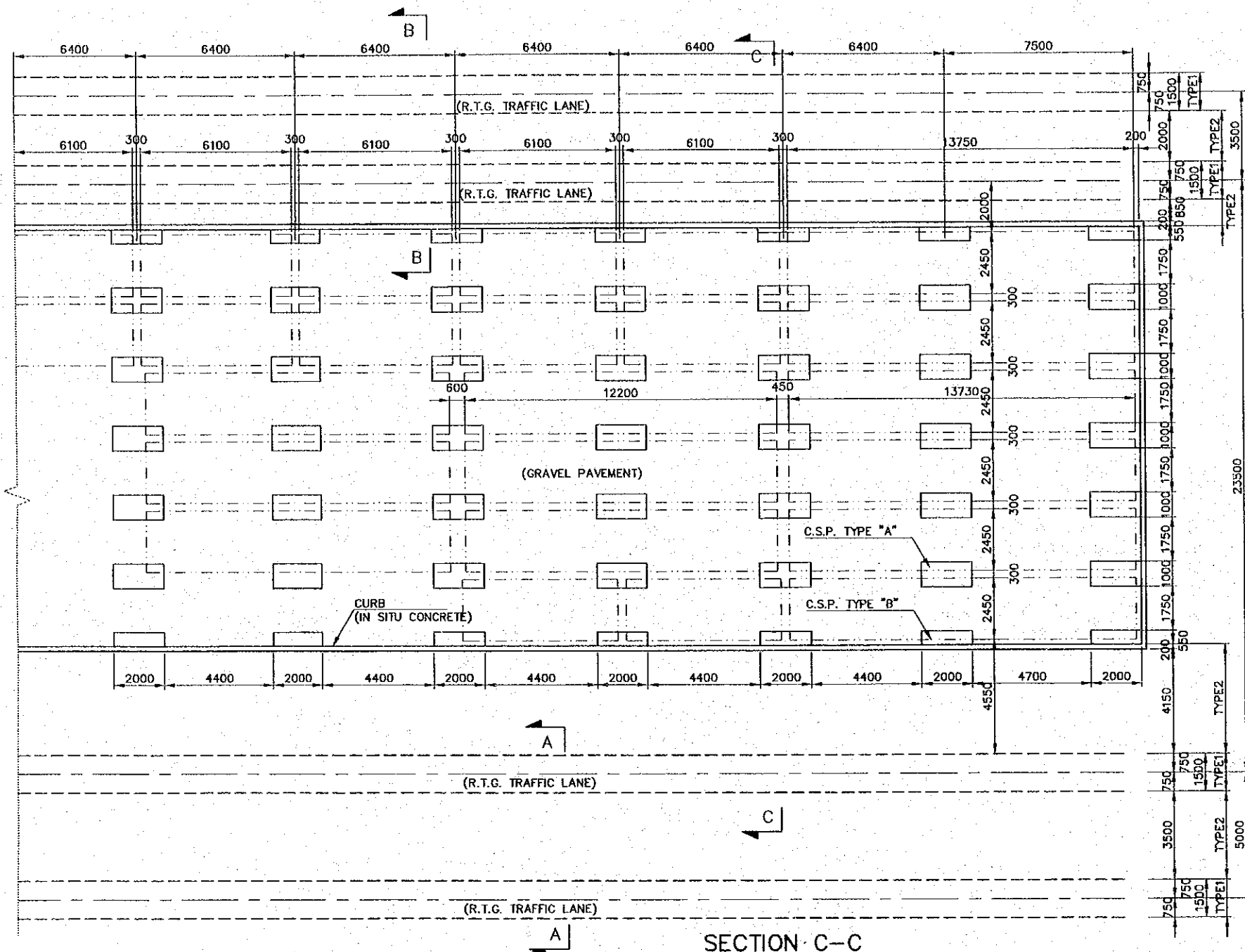
DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : ROAD AND PAVEMENT
 SUB-SECTION : PAVEMENT
 TITLE : LAYOUT OF CONTAINER
 STACKING YARD

DATE : OCTOBER/2002
 SCALE : 1 : 1000
 DRAWING NO. : PV-01-001

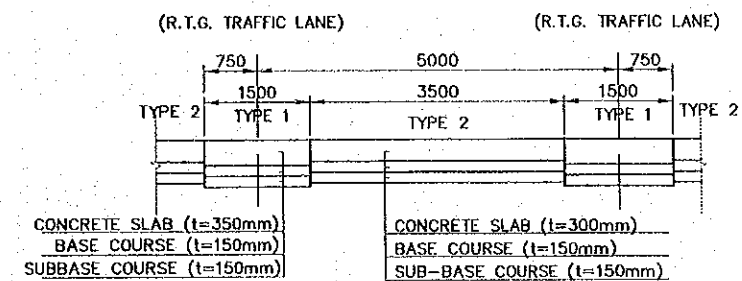
LOCATION OF CONTAINER STACKING PLATE FOR CONTAINER

SCALE 1:200



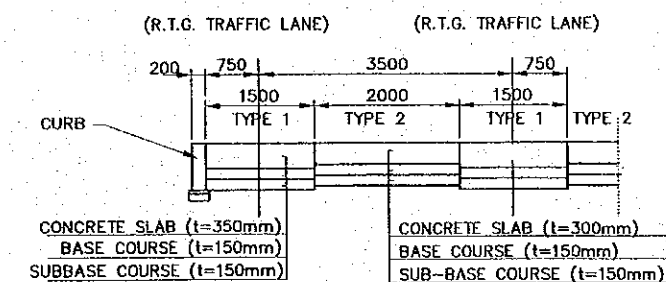
SECTION A-A

SCALE 1:100



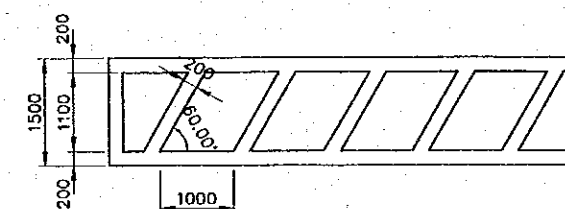
SECTION B-B

SCALE 1:100



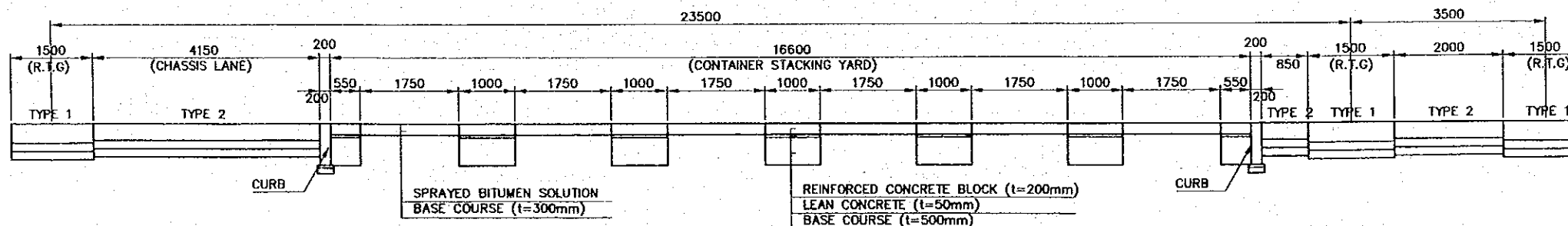
MARKING FOR R.T.G. TRAFFIC LANE

SCALE 1:100



SECTION C-C

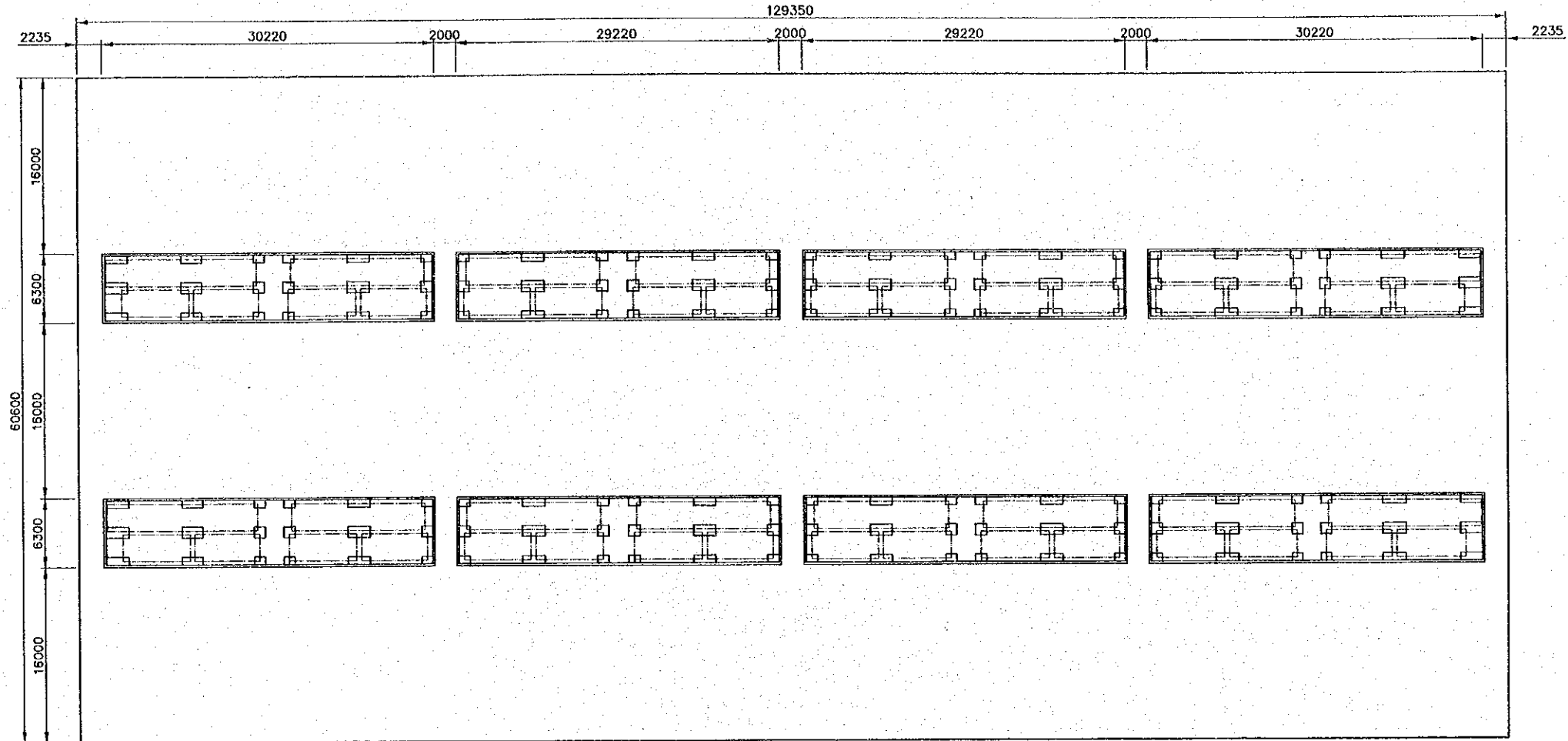
SCALE 1:100



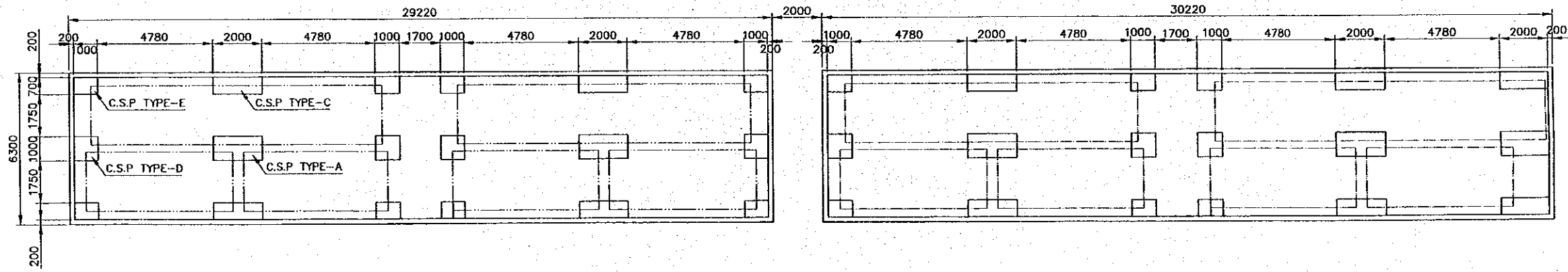
NOTE:
TYPE-1: CONCRETE PAVEMENT TYPE-1 (R.T.G. TRAFFIC LANE)
TYPE-2: CONCRETE PAVEMENT TYPE-2




REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : ROAD AND PAVEMENT	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : PAVEMENT	SCALE : AS INDICATED
								APPROVED BY :	TITLE : LOCATION OF CONTAINER STACKING PLATE FOR CONTAINER	DRAWING NO. : PV-01-002

LAYOUT OF CONTAINER STACKING PLATE FOR REEFER CONTAINER
SCALE: 1:500

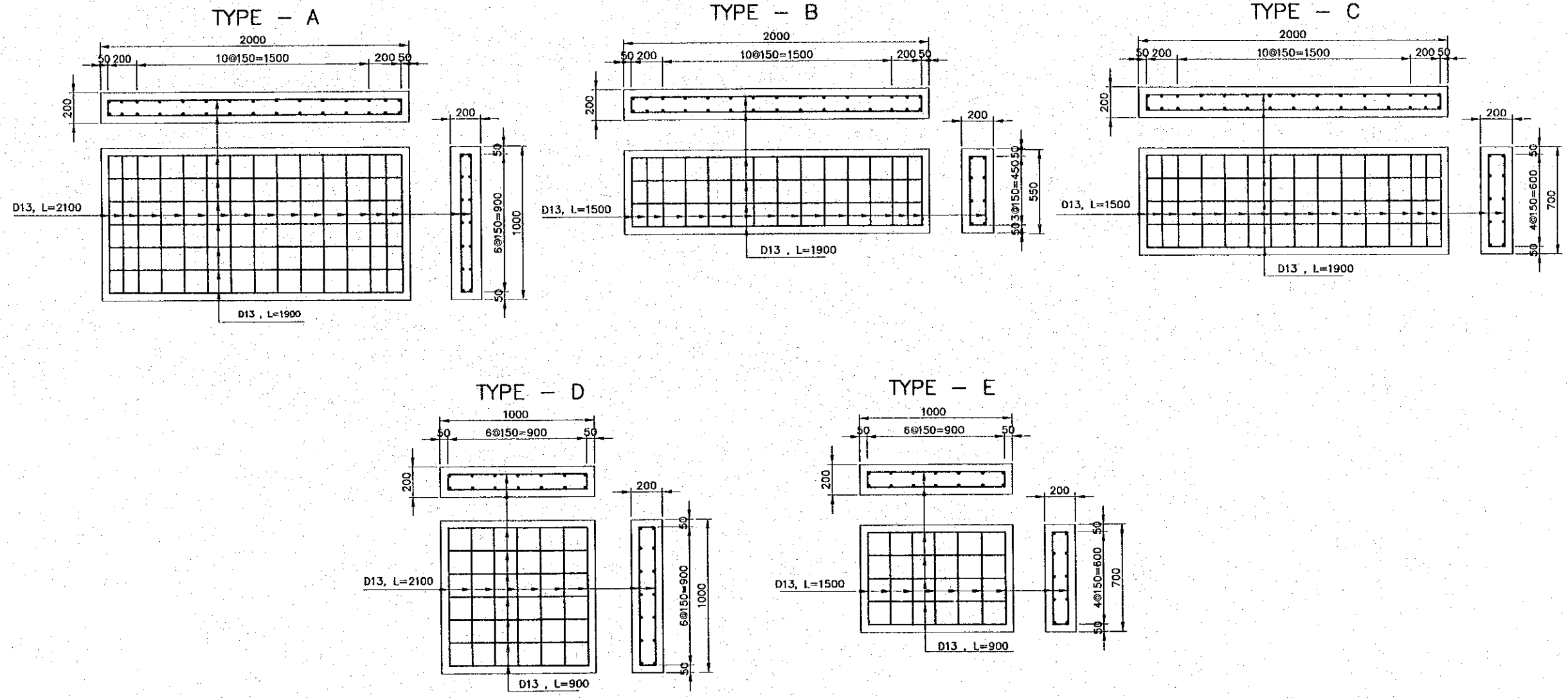





DETAILS OF CONTAINER STACKING PLATE ARRANGEMENT FOR REEFER CONTAINER
SCALE: 1:200

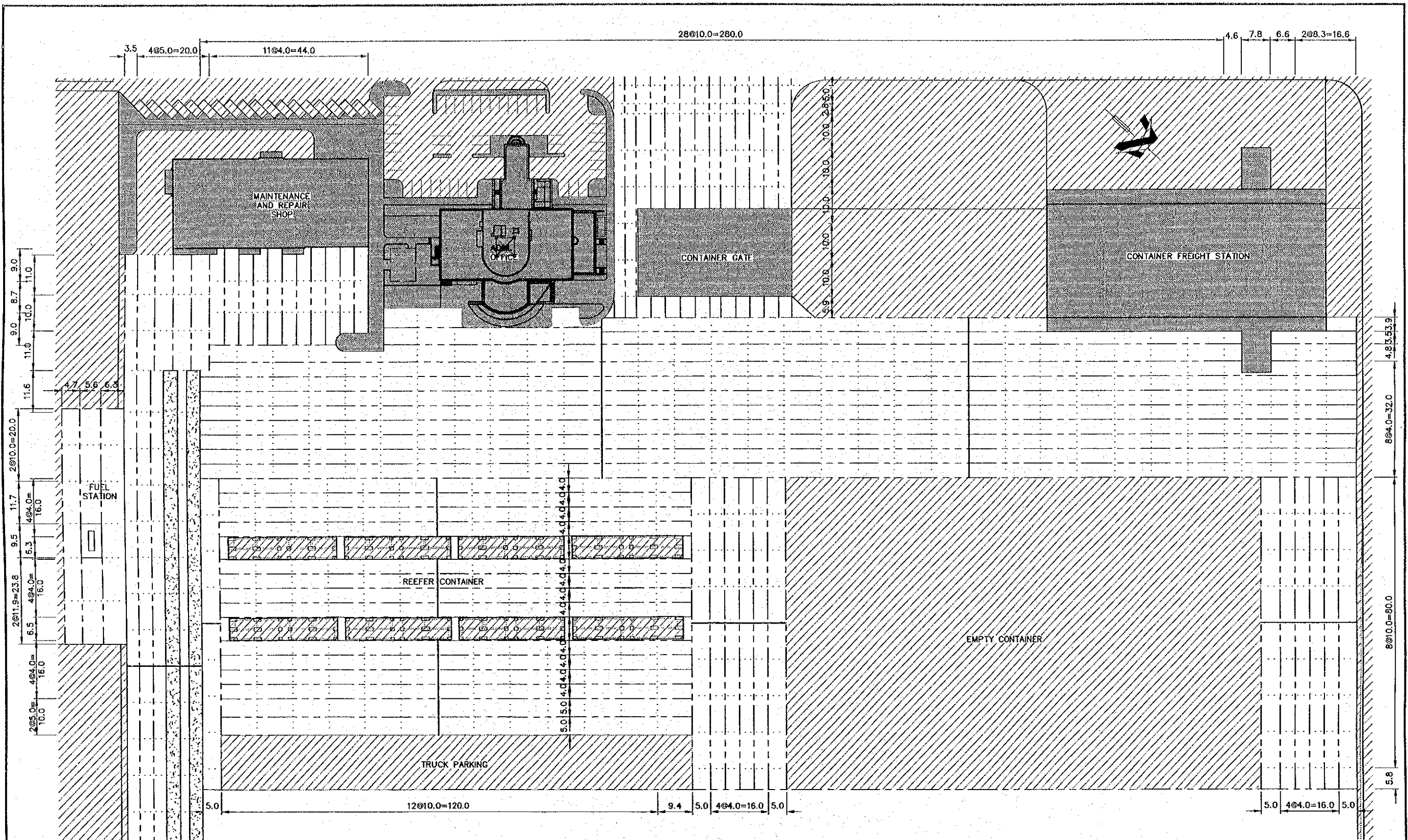


REV. NO. DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY :	SECTION : ROAD AND PAVEMENT	DATE : OCTOBER/2002
							CHECKED BY :	SUB-SECTION : PAVEMENT	SCALE : AS INDICATED
							APPROVED BY :	TITLE : LAYOUT OF CONTAINER STACKING PLATE FOR REEFER CONTAINER	DRAWING NO. : PV-01-003
					 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.			

DETAILS OF CONCRETE STACKING PLATE



REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : ROAD AND PAVEMENT	DATE : OCTOBER/2002
									CHECKED BY :	SUB-SECTION : PAVEMENT	SCALE : 1:30
									APPROVED BY :	TITLE : DETAILS OF CONTAINER STACKING PLATE	DRAWING NO: PV-01-004



LEGEND:
 CONCRETE PAVEMENT (TYPE-1)
 CONCRETE PAVEMENT (TYPE-2)
 BUILDING AND OTHERS
 WITHOUT CONCRETE PAVEMENT
 LONGITUDINAL CONSTRUCTION JOINT
 CONTRACTION JOINT
 EXPANSION JOINT

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
Cepa
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

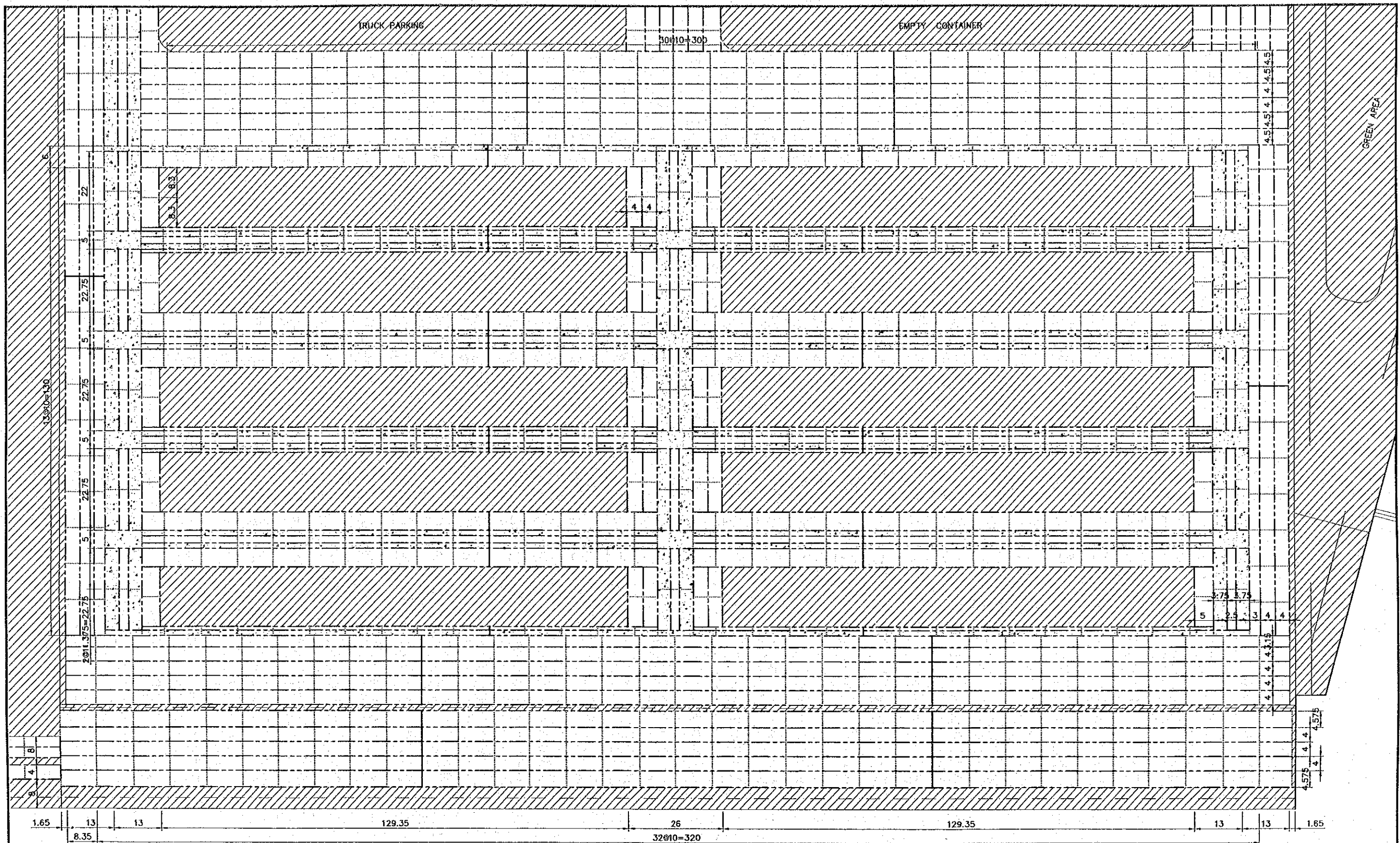
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

 NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : ROAD AND PAVEMENT
 SUB-SECTION : PAVEMENT
 TITLE : JOINT ARRANGEMENT OF CONCRETE PAVEMENT (1)

DATE : OCTOBER/2002
 SCALE : 1 : 1000
 DRAWING NO. : PV-01-005



LEGEND:

- LONGITUDINAL CONSTRUCTION JOINT
- CONTRACTION JOINT
- EXPANSION JOINT
- CONCRETE PAVEMENT (TYPE-1)
- CONCRETE PAVEMENT (TYPE-2)
- WITHOUT CONCRETE PAVEMENT

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CEPA
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

DESIGNED BY : _____

CHECKED BY : _____

APPROVED BY : _____

SECTION : ROAD AND PAVEMENT

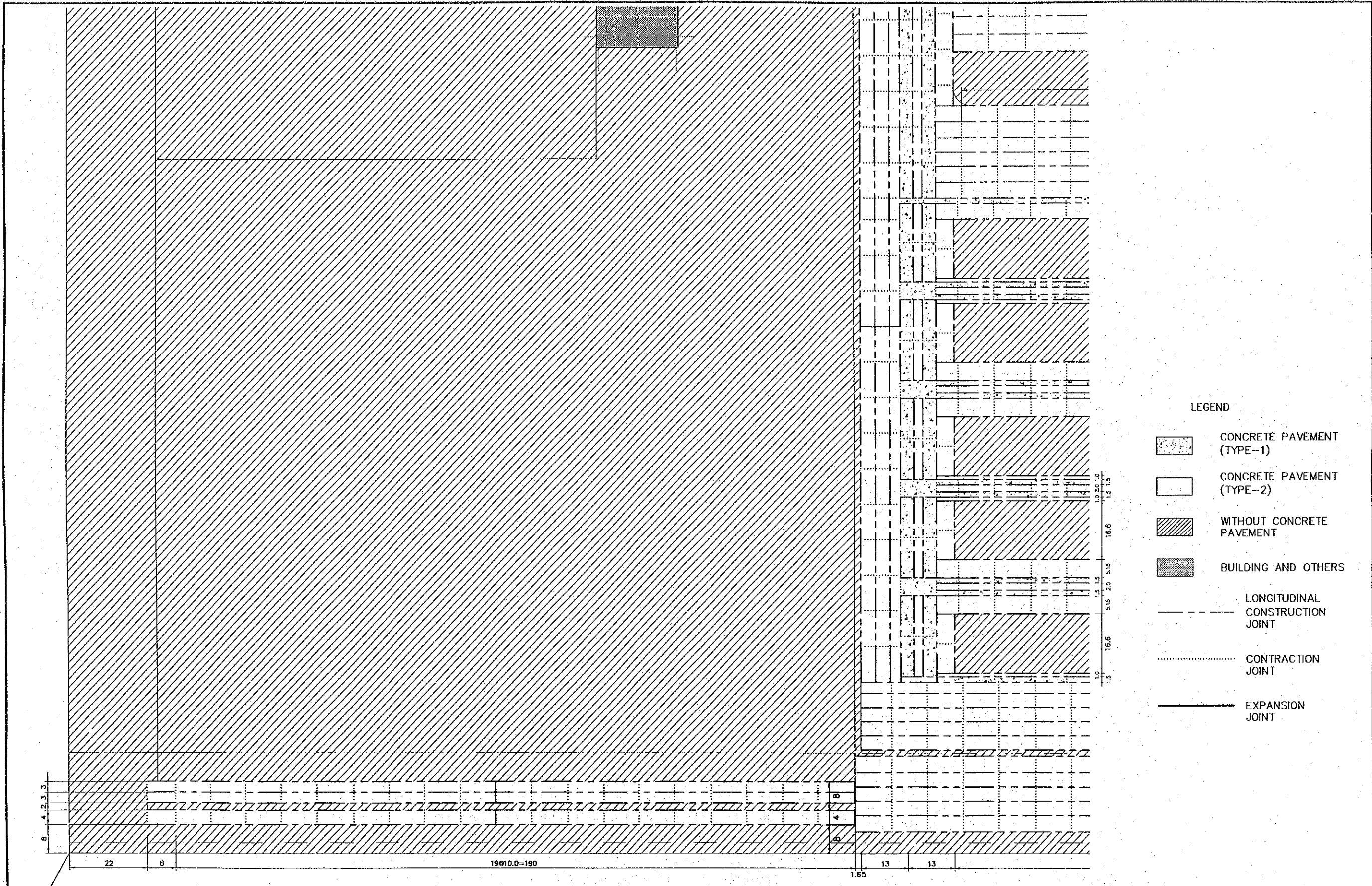
SUB-SECTION : PAVEMENT

TITLE : **JOINT ARRANGEMENT OF CONCRETE PAVEMENT (2)**








DATE : OCTOBER/2002




SCALE : 1 : 1000

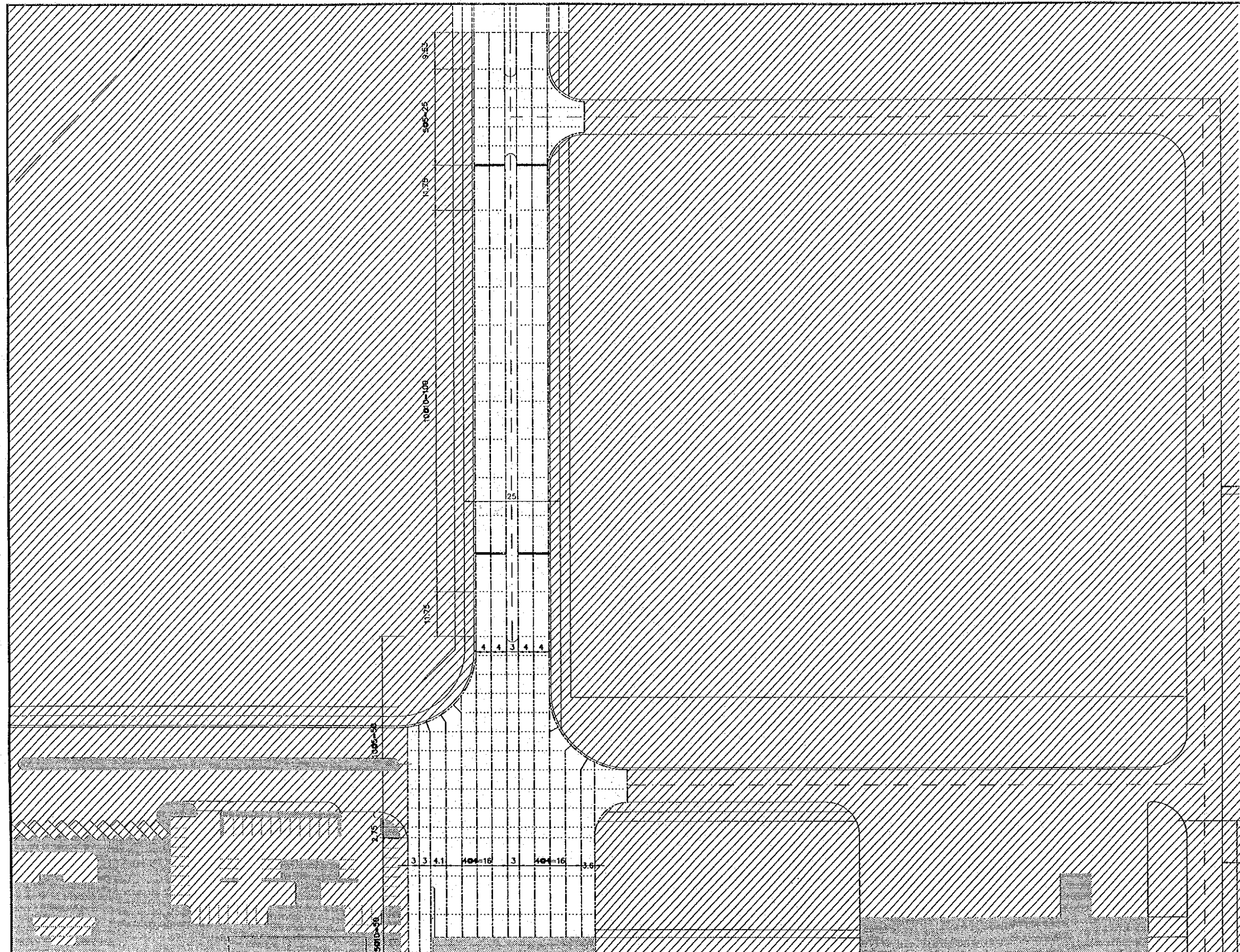
DRAWING NO. : PV-01-006






LEGEND

-  CONCRETE PAVEMENT (TYPE-1)
-  CONCRETE PAVEMENT (TYPE-2)
-  WITHOUT CONCRETE PAVEMENT
-  BUILDING AND OTHERS
-  LONGITUDINAL CONSTRUCTION JOINT
-  CONTRACTION JOINT
-  EXPANSION JOINT

REV. NO. DATE		COORDINATE		BY APPROVED DATE		 JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : ROAD AND PAVEMENT	DATE : OCTOBER/2002
										CHECKED BY :	SUB-SECTION : PAVEMENT
									APPROVED BY :	TITLE : JOINT ARRANGEMENT OF CONCRETE PAVEMENT (3)	DRAWING NO. : PV-01-007



- LEGEND
- LONGITUDINAL CONSTRUCTION JOINT
 - CONTRACTION JOINT
 - EXPANSION JOINT
 - CONCRETE PAVEMENT (TYPE-2)
 - ▨ WITHOUT CONCRETE PAVEMENT

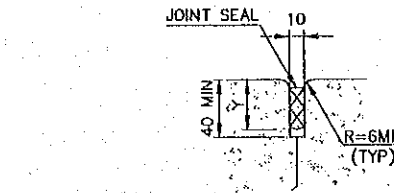
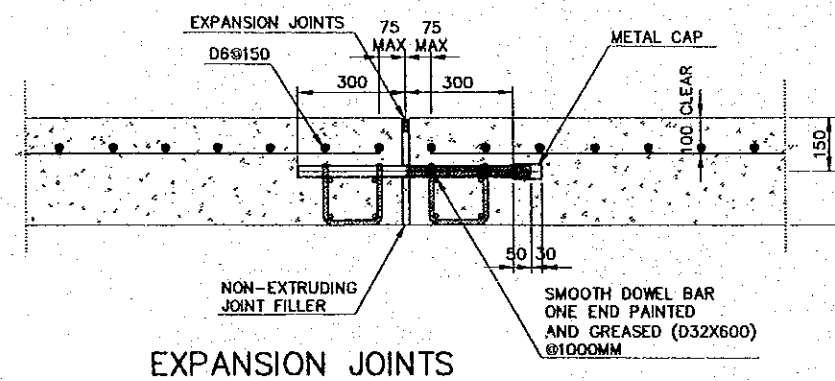
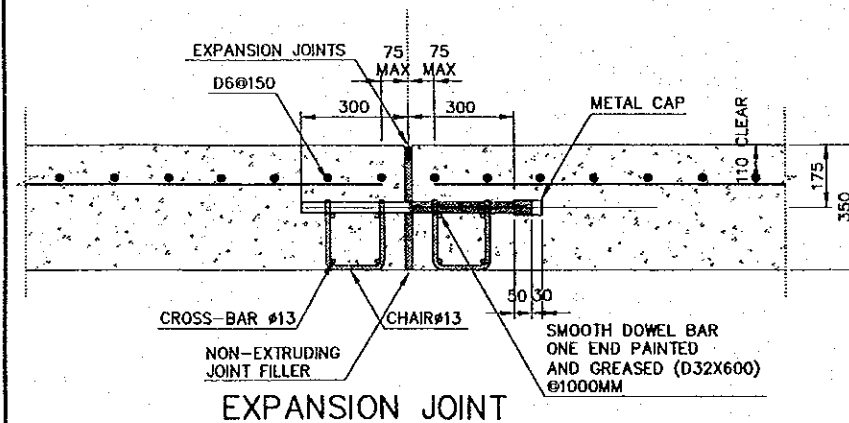
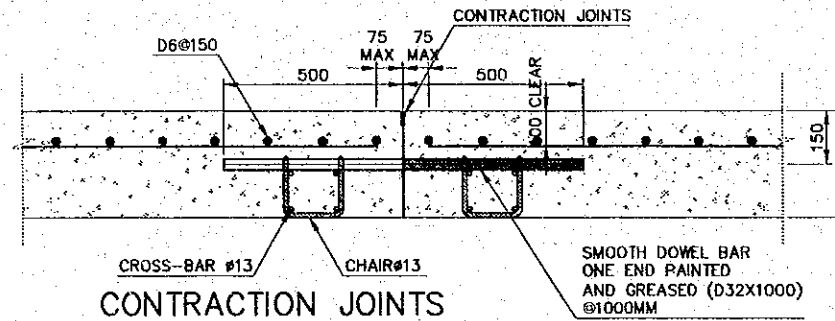
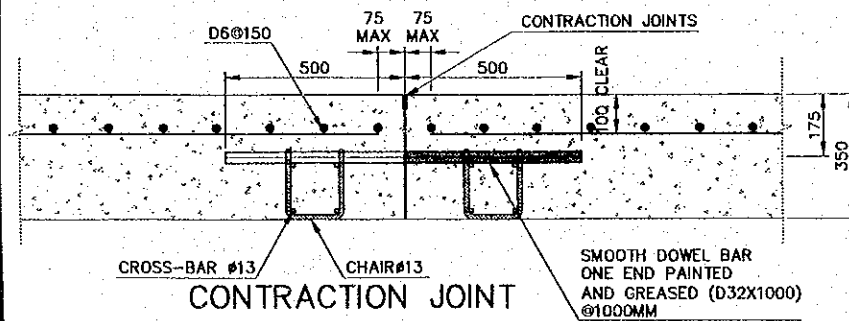
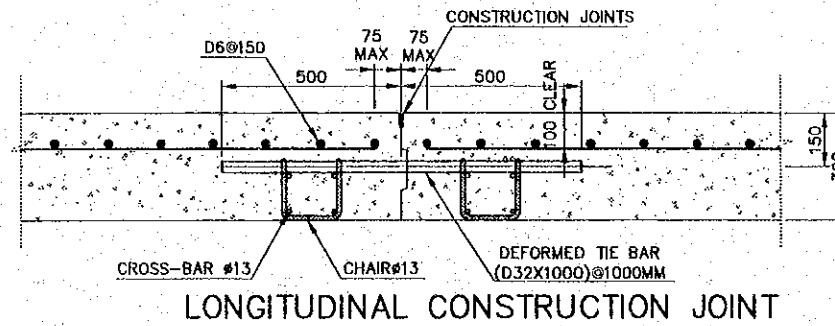
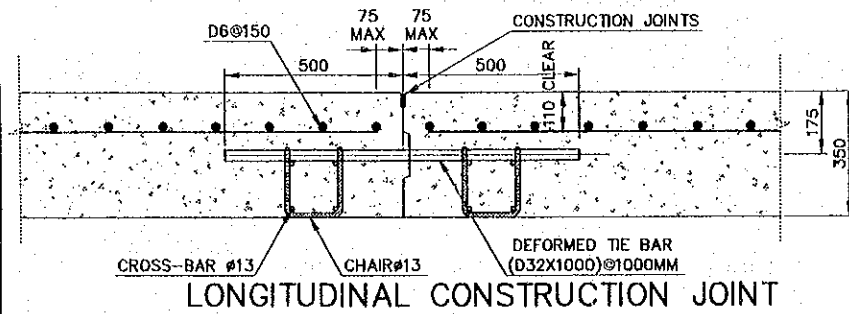
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY :	SECTION :	DATE :
								CHECKED BY :	SUB-SECTION :	OCTOBER/2002
						 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	APPROVED BY :	TITLE :	SCALE :
									JOINT ARRANGEMENT OF CONCRETE PAVEMENT (4)	1 : 1000
										DRAWING NO. :
										PV-01-008

DETAILS OF JOINT

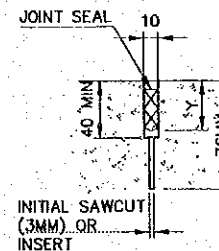
DETAILS OF JOINT SEALING
SCALE: 1:5

CONCRETE PAVEMENT (TYPE-1)
SCALE 1:20

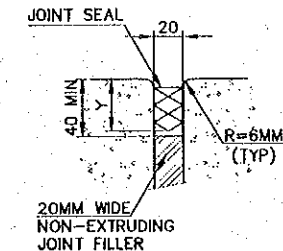
CONCRETE PAVEMENT (TYPE-2)
SCALE 1:20



CONSTRUCTION JOINTS

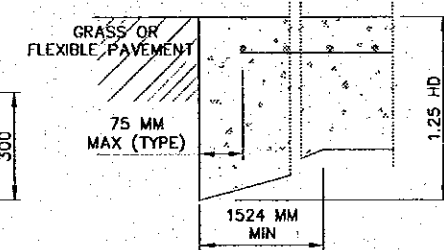


CONTRACTION JOINTS

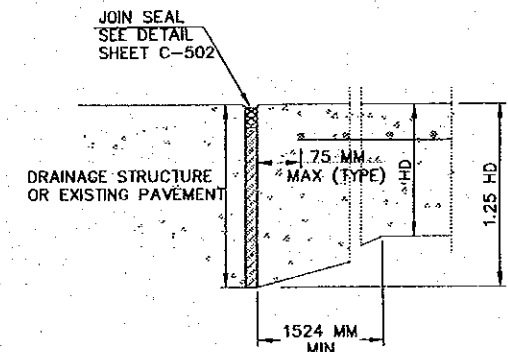


EXPANSION JOINTS

JOINTS BETWEEN CONCRETE PAVEMENT AND OTHERS



THICKENED EDGE BUTT CONSTRUCTION JOINT



THICKENED EDGE EXPANSION JOINT

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

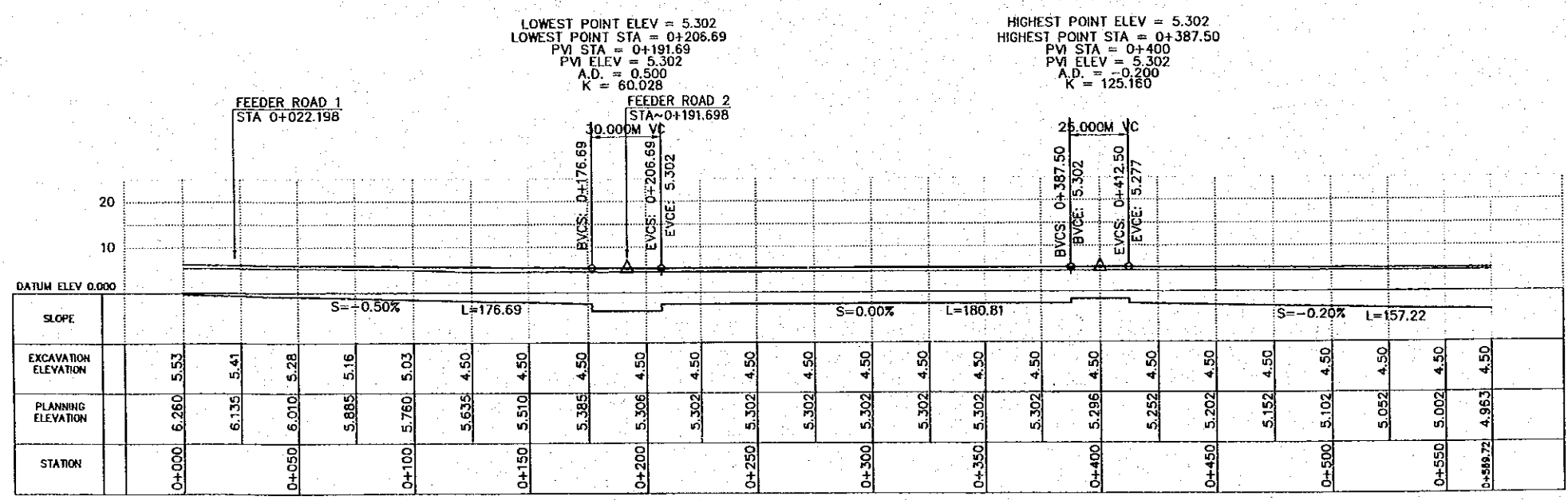
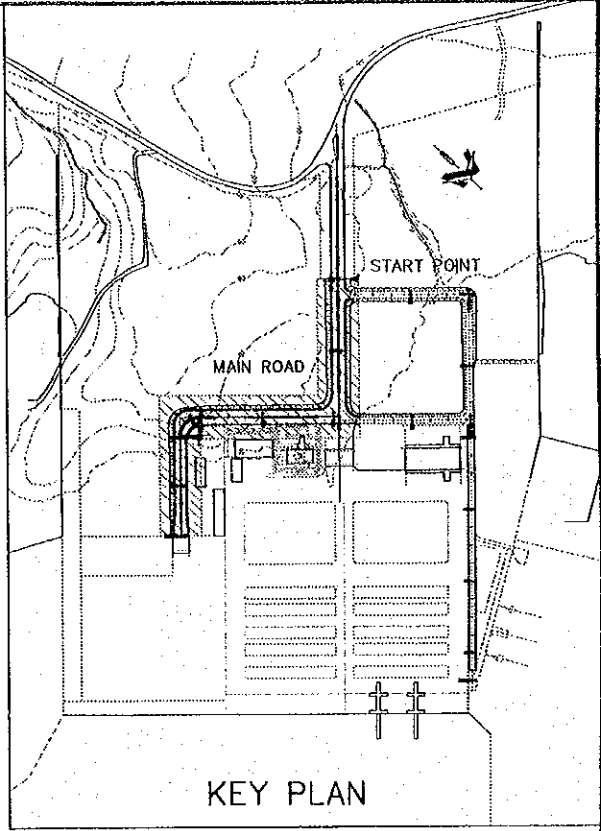
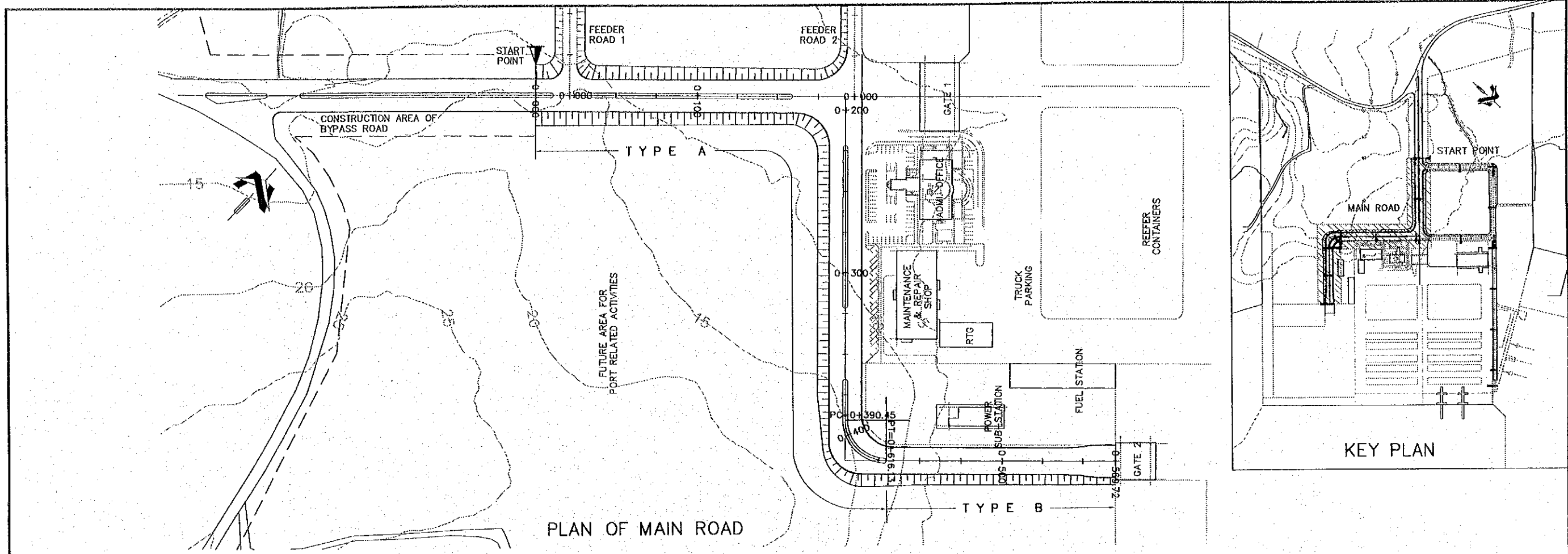
JICA
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
Cepa
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : ROAD AND PAVEMENT
SUB-SECTION : PAVEMENT
TITLE : DETAILS OF JOINTS OF CONCRETE PAVEMENT

DATE : OCTOBER/2002
SCALE : AS INDICATED
DRAWING NO. : PV-01-009



NOTES:

- DETAILS OF COORDINATES ARE SHOWN IN SI-01-005 AND 006
- DETAIL OF PAVEMENT TYPE A AND B IS SHOW IN PV-00-004

LEGEND:

EMBANKMENT

<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)</p> <p>COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)</p>	<p>THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR</p> <p>NIPPON KOEI CO., LTD.</p>	<p>DESIGNED BY:</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p>	<p>SECTION : ROAD AND PAVEMENT</p> <p>SUB-SECTION : ROAD</p> <p>TITLE : PLAN AND PROFILE OF MAIN ROAD</p>	<p>DATE : OCTOBER/2002</p> <p>SCALE : V. 1:1250, H. 1:2500</p> <p>DRAWING NO: PV-02-001</p>
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