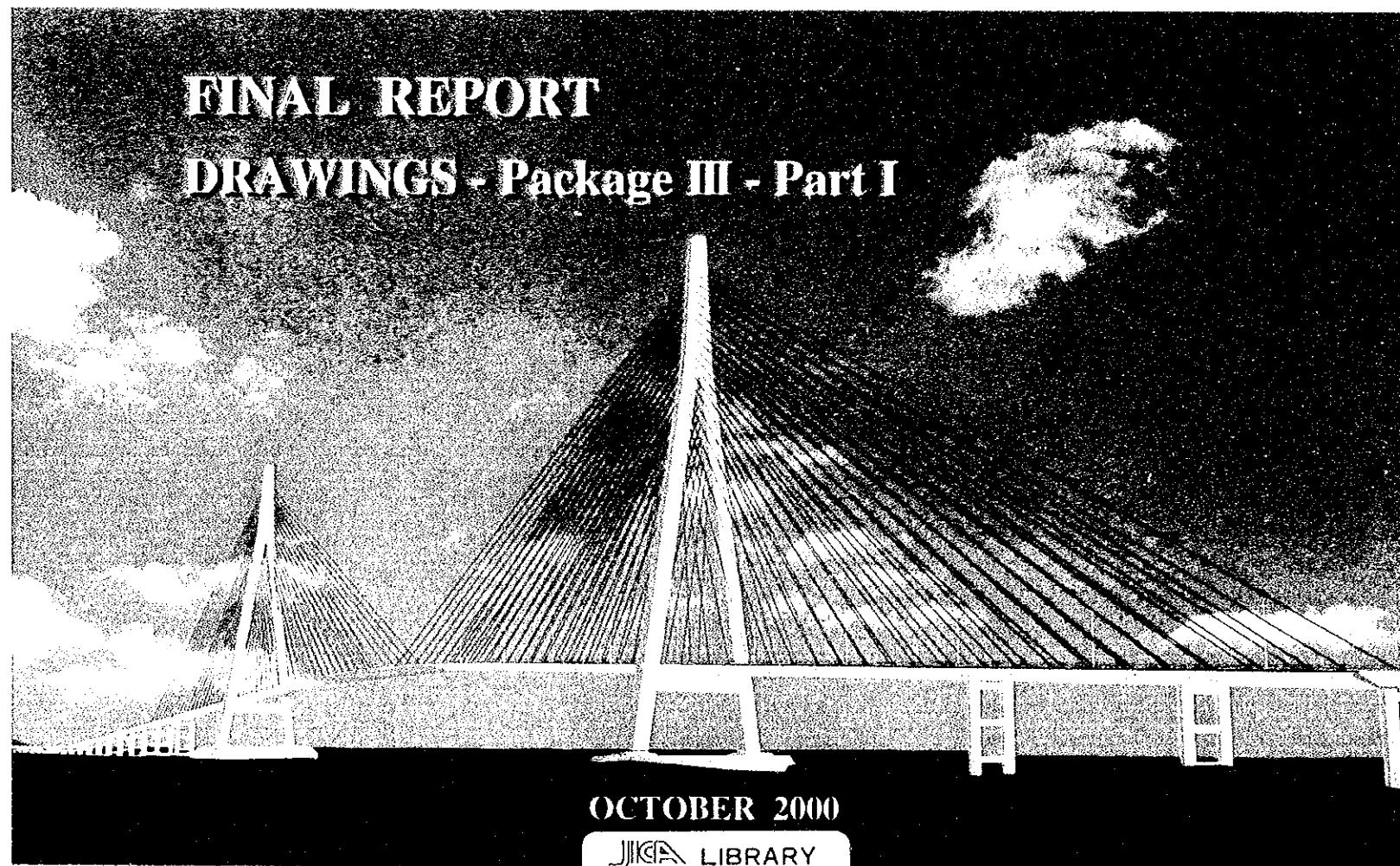


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
MINISTRY OF TRANSPORT
SOCIALIST REPUBLIC OF VIET NAM

**THE DETAILED DESIGN
ON
THE CAN THO BRIDGE CONSTRUCTION
IN
SOCIALIST REPUBLIC OF VIET NAM**



**FINAL REPORT
DRAWINGS - Package III - Part I**

OCTOBER 2000

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MINISTRY OF TRANSPORT
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FINAL REPORT

DRAWINGS - Package III - Part I

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1161226 [4]

PACKAGE III (PART - 1)

P3/GE	GENERAL
P3/TW	THROUGHWAY
P3/IC3	INTERCHANGE NO.3 (NH NO.91B & NH NO.91)
P3/IS	INTERSECTION NO.1
P3/TG	TOLL GATE
P3/SA	CAN THO SERVICE AREA
P3/BC	DRAINAGE SYSTEM
P3/SGT	EMBANKMENT AND SOFT GROUND TREATMENT
P3/LS	LIGHTING SYSTEM
P3/MS	MISCELLANEOUS

DRAWING LIST (1/3)

DRAWING NO.	DRAWING TITLE	DRAWING NO.	DRAWING TITLE
P3/GE	GENERAL	P3/IS	INTERSECTION NO.1
P3/GE/0010	DRAWING LIST	P3/IS/0010	ALIGNMENT LAYOUT AND GEOMETRIC DATA
P3/GE/0020	KEY MAP AND LAYOUT PLAN	P3/IS/0020	PLAN
P3/GE/0030	ABBREVIATIONS AND SYMBOLS	P3/IS/0030	PROFILE "A" ROAD
P3/GE/0040	LEGEND	P3/IS/0040	PROFILE "B" ROAD
P3/GE/0050	GENERAL NOTES	P3/IS/0050	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE
P3/TW	THROUGHWAY	P3/IS/0060	DETAIL OF RAMP TERMINAL
P3/TW/0010	DETAIL OF GEOMETRIC DESIGN	P3/IS/0070	DETAIL OF INTERSECTION (1/2)
P3/TW/0020	SUPER ELEVATION DIAGRAMS	P3/IS/0080	DETAIL OF INTERSECTION (2/2)
P3/TW/0030	ALIGNMENT LAYOUT AND GEOMETRIC DATA	P3/BC	DRAINAGE SYSTEM
P3/TW/0040	TRAVERSE NETWORK OF SURVEY CONTROLS KM7+660 - KM9+500 (1/3)	P3/BC/0010	DRAWING LIST
P3/TW/0050	TRAVERSE NETWORK OF SURVEY CONTROLS KM9+500 - KM12+200 (2/3)	P3/BC/0020	ABBREVIATIONS AND SYMBOLS
P3/TW/0060	TRAVERSE NETWORK OF SURVEY CONTROLS KM12+200 - KM15+350 (3/3)	P3/BC/0030	STRUCTURAL NOTES
P3/TW/0070	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (1/2)	P3/BC/0040	CULVERT SCHEDULE
P3/TW/0080	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (2/2)	P3/BC/0050	GENERAL VIEW OF BOX CULVERT STATION 7+820
P3/TW/0090	PLAN AND PROFILE KM7+660 - KM8+960 (1/8)	P3/BC/0060	GENERAL VIEW OF WING WALL STATION 7+820
P3/TW/0100	PLAN AND PROFILE KM8+960 - KM10+260 (2/8)	P3/BC/0070	REINFORCEMENT OF WING WALL STATION 7+820
P3/TW/0110	PLAN AND PROFILE KM8+960 - KM10+260 (2A/8)	P3/BC/0080	REINFORCEMENT OF CULVERT STATION 7+820
P3/TW/0120	PLAN AND PROFILE KM10+260 - KM11+560 (4/8)	P3/BC/0090	GENERAL VIEW OF BOX CULVERT STATION 7+950
P3/TW/0130	PLAN AND PROFILE KM10+260 - KM11+560 (4A/8)	P3/BC/0100	GENERAL VIEW OF WING WALL STATION 7+950
P3/TW/0140	PLAN AND PROFILE KM11+560 - KM12+860 (5/8)	P3/BC/0110	REINFORCEMENT OF WING WALL STATION 7+950
P3/TW/0150	PLAN AND PROFILE KM12+860 - KM14+160 (7/8)	P3/BC/0120	REINFORCEMENT OF CULVERT STATION 7+950
P3/TW/0160	PLAN AND PROFILE KM14+160 - KM15+350 (8/8)	P3/BC/0130	GENERAL VIEW OF BOX CULVERT STATION 8+820
P3/IC3	INTERCHANGE NO.3 (NH NO.91B & NH NO.91)	P3/BC/0140	REINFORCEMENT OF CULVERT STATION 8+820
P3/IC3/0010	ALIGNMENT LAYOUT AND GEOMETRIC DATA	P3/BC/0150	GENERAL VIEW OF BOX CULVERT STATION 9+326
P3/IC3/0020	PLAN 1/4000	P3/BC/0160	REINFORCEMENT OF CULVERT STATION 9+326
P3/IC3/0030	PLAN 1/2000 (1/4)	P3/BC/0170	GENERAL VIEW OF BOX CULVERT STATION 9+760
P3/IC3/0040	PLAN 1/2000 (2/4)	P3/BC/0180	GENERAL VIEW OF WING WALL STATION 9+760
P3/IC3/0050	PLAN 1/2000 (3/4)	P3/BC/0190	REINFORCEMENT OF WING WALL STATION 9+760
P3/IC3/0060	PLAN 1/2000 (4/4)	P3/BC/0200	REINFORCEMENT OF CULVERT STATION 9+760
P3/IC3/0070	PROFILE OF "A" RAMP	P3/BC/0210	GENERAL VIEW OF BOX CULVERT STATION 10+310
P3/IC3/0080	PROFILE OF "B" RAMP	P3/BC/0220	REINFORCEMENT OF CULVERT STATION 10+310
P3/IC3/0090	PROFILE OF "C" RAMP	P3/BC/0230	GENERAL VIEW OF BOX CULVERT STATION 10+690
P3/IC3/0100	PROFILE OF "D" RAMP	P3/BC/0240	REINFORCEMENT OF CULVERT STATION 10+690
P3/IC3/0110	PROFILE OF "E", "F" RAMPS	P3/BC/0250	GENERAL VIEW OF BOX CULVERT STATION 10+950
P3/IC3/0120	PROFILE OF NATIONAL HIGHWAY NO.91	P3/BC/0260	REINFORCEMENT OF CULVERT 10+950
P3/IC3/0130	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (1/2)	P3/BC/0270	GENERAL VIEW OF BOX CULVERT STATION 11+690
P3/IC3/0140	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (2/2)	P3/BC/0280	REINFORCEMENT OF CULVERT STATION 11+690
P3/IC3/0150	DETAIL OF RAMP TERMINAL (1/4)	P3/BC/0290	GENERAL VIEW OF BOX CULVERT STATION 11+976.50
P3/IC3/0160	DETAIL OF RAMP TERMINAL (2/4)	P3/BC/0300	GENERAL VIEW OF WING WALL STATION 11+976.50
P3/IC3/0170	DETAIL OF RAMP TERMINAL (3/4)	P3/BC/0310	REINFORCEMENT OF WING WALL TYPE I STATION 11+976.50
P3/IC3/0180	DETAIL OF RAMP TERMINAL (4/4)	P3/BC/0320	REINFORCEMENT OF WING WALL TYPE II STATION 11+976.50
P3/IC3/0190	DETAIL OF INTERSECTION	P3/BC/0330	REINFORCEMENT OF WING WALL TYPE III STATION 11+976.50
P3/IC3/0200	PLAN LAYOUT FOR DRAINAGE SYSTEM	P3/BC/0340	REINFORCEMENT OF CULVERT STATION 11+976.50
P3/IC3/0210	STRUCTURAL OF STORM WATER SYSTEM (1/2)	P3/BC/0350	REINFORCEMENT OF RETAINING WALL STATION 11+976.50
P3/IC3/0220	STRUCTURAL OF STORM WATER SYSTEM (2/2)	P3/BC/0360	GENERAL VIEW OF BOX CULVERT STATION 12+180
P3/IC3/0230	REINFORCED CONCRETE PIPE ϕ 400	P3/BC/0370	REINFORCEMENT OF CULVERT STATION 12+180
		P3/BC/0380	GENERAL VIEW OF BOX CULVERT STATION 12+592.50

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	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	K. Nakai <i>K. Nakai</i> 29/9/2000	K. Enomoto <i>K. Enomoto</i> 5/10/2000	GENERAL DRAWING LIST (1/3)	P3/PA1/010

DRAWING LIST (2/3)

DRAWING NO.	DRAWING TITLE	DRAWING NO.	DRAWING TITLE
P3/BC/0390	GENERAL VIEW OF WING WALL STATION 12+592.50	P3/TG	TOLL GATE
P3/BC/0400	REINFORCEMENT OF WING WALL TYPE I STATION 12+592.50	P3/TG/0010	TOLL GATE PLAN
P3/BC/0410	REINFORCEMENT OF WING WALL TYPE II STATION 12+592.50	P3/TG/0020	TYPICAL CROSS SECTION AND PAVEMENT STRUCTURE
P3/BC/0420	REINFORCEMENT OF WING WALL TYPE III STATION 12+592.50	P3/TG/0030	DETAILS OF TOLL GATE ISLAND AND BOOTH (1/2)
P3/BC/0430	REINFORCEMENT OF CULVERT STATION 12+592.50	P3/TG/0040	DETAILS OF TOLL GATE ISLAND AND BOOTH (2/2)
P3/BC/0440	REINFORCEMENT OF RETAINING WALL STATION 12+592.50	P3/TG/0050	JOINT PLAN FOR PCCR
P3/BC/0450	GENERAL VIEW OF BOX CULVERT STATION 12+756	P3/TG/0060	GENERAL LAYOUT
P3/BC/0460	GENERAL VIEW OF WING WALL STATION 12+756	P3/TG/0070	MANAGEMENT OFFICE GENERAL LAYOUT
P3/BC/0470	REINFORCEMENT OF WING WALL TYPE I STATION 12+756	P3/TG/0080	MANAGEMENT OFFICE PLANS
P3/BC/0480	REINFORCEMENT OF WING WALL TYPE II STATION 12+756	P3/TG/0090	MANAGEMENT OFFICE FACADAS AND SECTIONS
P3/BC/0490	REINFORCEMENT OF CULVERT STATION 12+756	P3/TG/0100	TOLL PLAZA
P3/BC/0500	GENERAL VIEW OF BOX CULVERT STATION 14+890	P3/TG/0110	TOLL PLAZA FACADAS AND SECTIONS
P3/BC/0510	REINFORCEMENT OF CULVERT STATION 14+890		
P3/BC/0520	GENERAL VIEW OF BOX CULVERT - INTERCHANGE 3 RAMP "A" STATION 0+154	P3/SGT	EMBANKMENT AND SOFT GROUND TREATMENT
P3/BC/0530	REINFORCEMENT OF CULVERT - INTERCHANGE 3 RAMP "A" STATION 0+154	P3/SGT/0010	SOFT GROUND TREATMENT - GENERAL NOTES
P3/BC/0540	GENERAL VIEW OF BOX CULVERT - INTERCHANGE 3 RAMP "B" STATION 0+286.50	P3/SGT/0020	DESIGN SEGMENT OF SOFT GROUND TREATMENT
P3/BC/0550	REINFORCEMENT OF CULVERT - INTERCHANGE 3 "B" STATION 0+286.50	P3/SGT/0030	GEOLOGICAL PROFILE KM7+600 - KM8+000 (1/9)
P3/BC/0560	GENERAL VIEW OF BOX CULVERT - INTERCHANGE 3 RAMP "C" STATION 0+300	P3/SGT/0040	GEOLOGICAL PROFILE KM8+000 - KM9+000 (2/9)
P3/BC/0570	GENERAL VIEW OF WING WALL - INTERCHANGE 3 RAMP "C" STATION 0+300	P3/SGT/0050	GEOLOGICAL PROFILE KM9+000 - KM10+000 (3/9)
P3/BC/0580	REINFORCEMENT OF WING WALL - INTERCHANGE 3 RAMP "C" STATION 0+300	P3/SGT/0060	GEOLOGICAL PROFILE KM10+000 - KM11+000 (4/9)
P3/BC/0590	REINFORCEMENT OF CULVERT - INTERCHANGE 3 RAMP "C" STATION 0+300	P3/SGT/0070	GEOLOGICAL PROFILE KM11+000 - KM12+000 (5/9)
P3/BC/0600	GENERAL VIEW OF BOX CULVERT - INTERCHANGE 3 RAMP "D" STATION 0+100	P3/SGT/0080	GEOLOGICAL PROFILE KM12+000 - KM13+000 (6/9)
P3/BC/0610	REINFORCEMENT OF CULVERT - INTERCHANGE 3 RAMP "D" STATION 0+100	P3/SGT/0090	GEOLOGICAL PROFILE KM13+000 - KM14+000 (7/9)
P3/BC/0620	GENERAL VIEW OF BOX CULVERT - INTERCHANGE 3 RAMP "E" STATION 0+180	P3/SGT/0100	GEOLOGICAL PROFILE KM14+000 - KM15+000 (8/9)
P3/BC/0630	GENERAL VIEW OF WING WALL - INTERCHANGE 3 RAMP "E" STATION 0+180	P3/SGT/0110	GEOLOGICAL PROFILE KM15+000 - KM15+350 (9/9)
P3/BC/0640	REINFORCEMENT OF WING WALL TYPE I - INTERCHANGE 3 RAMP "E" STATION 0+180	P3/SGT/0120	SUMMARY OF SOIL TEST OF BOREHOLES BR-D-18, ... BR-D-23 (1/2)
P3/BC/0650	REINFORCEMENT OF WING WALL TYPE II - INTERCHANGE 3 RAMP "E" STATION 0+180	P3/SGT/0130	SUMMARY OF SOIL TEST OF BOREHOLES BR-D-24, ... BR-D-29, BR-D-10 (2/2)
P3/BC/0660	REINFORCEMENT OF CULVERT - INTERCHANGE 3 RAMP "E" STATION 0+180	P3/SGT/0140	TYPICAL CROSS SECTIONS AND STAGE CONSTRUCTION PROGRAM
P3/BC/0670	GENERAL VIEW OF BOX CULVERT - INTERSECTION 4 RAMP "B" STATION 0+223	P3/SGT/0150	PLAN OF PVD (1/8)
P3/BC/0680	REINFORCEMENT OF CULVERT - INTERSECTION 4 RAMP "B" STATION 0+223	P3/SGT/0160	PLAN OF PVD (2/8)
P3/BC/0690	DETAIL OF CONNECTION JOINT AND CONNECTION BETWEEN BOX AND WING WALL	P3/SGT/0170	PLAN OF PVD (3/8)
P3/BC/0700	TOTAL QUANTITIES TABLE OF ALL CULVERTS	P3/SGT/0180	PLAN OF PVD (4/8)
		P3/SGT/0190	PLAN OF PVD (5/8)
P3/SA	CAN THO SERVICE AREA	P3/SGT/0200	PLAN OF PVD (6/8)
P3/SA/0010	ALIGNMENT LAYOUT AND GEOMETRIC DATA	P3/SGT/0210	PLAN OF PVD (7/8)
P3/SA/0020	PLAN	P3/SGT/0220	PLAN OF PVD (8/8)
P3/SA/0030	PROFILE OF RAMP	P3/SGT/0230	CAN THO BRIDGE - PRELOADING AT ABUTMENT A2
P3/SA/0040	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE	P3/SGT/0240	CAI TAC 1 BRIDGE - PRELOADING AT ABUTMENT A1
P3/SA/0050	DETAIL OF RAMP TERMINAL (1/2)	P3/SGT/0250	CAI TAC 1 BRIDGE - PRELOADING AT ABUTMENT A2
P3/SA/0060	DETAIL OF RAMP TERMINAL (2/2)	P3/SGT/0260	CAI TAC 2 BRIDGE - PRELOADING AT ABUTMENTS A1 & A2
P3/SA/0070	ISLAND'S LAYOUT AND GEOMETRIC DATA	P3/SGT/0270	INTERCHANGE 3 FLYOVER BRIDGE - PRELOADING AT ABUTMENT A1
P3/SA/0080	PLAN LAYOUT FOR DRAINAGE SYSTEM	P3/SGT/0280	INTERCHANGE 3 FLYOVER BRIDGE - PRELOADING AT ABUTMENT A2
P3/SA/0090	STRUCTURAL OF STORM WATER SYSTEM (1/3)	P3/SGT/0290	INTERCHANGE 3 RAMPWAY "D" BRIDGE - PRELOADING AT ABUTMENT A1
P3/SA/0100	STRUCTURAL OF STORM WATER SYSTEM (2/3)	P3/SGT/0300	INTERCHANGE 3 RAMPWAY "D" BRIDGE - PRELOADING AT ABUTMENT A2
P3/SA/0110	STRUCTURAL OF STORM WATER SYSTEM (3/3)	P3/SGT/0310	CAI DA BRIDGE - PRELOADING AT ABUTMENT A1
P3/SA/0120	REINFORCED CONCRETE PIPE Φ 400	P3/SGT/0320	CAI DA BRIDGE - PRELOADING AT ABUTMENT A2
P3/SA/0130	REINFORCED CONCRETE PIPE Φ 500	P3/SGT/0330	BA MANG BRIDGE - PRELOADING AT ABUTMENTS A1 & A2
		P3/SGT/0340	CAI NAI BRIDGE - PRELOADING AT ABUTMENT A1
		P3/SGT/0350	CAI NAI BRIDGE - PRELOADING AT ABUTMENT A2

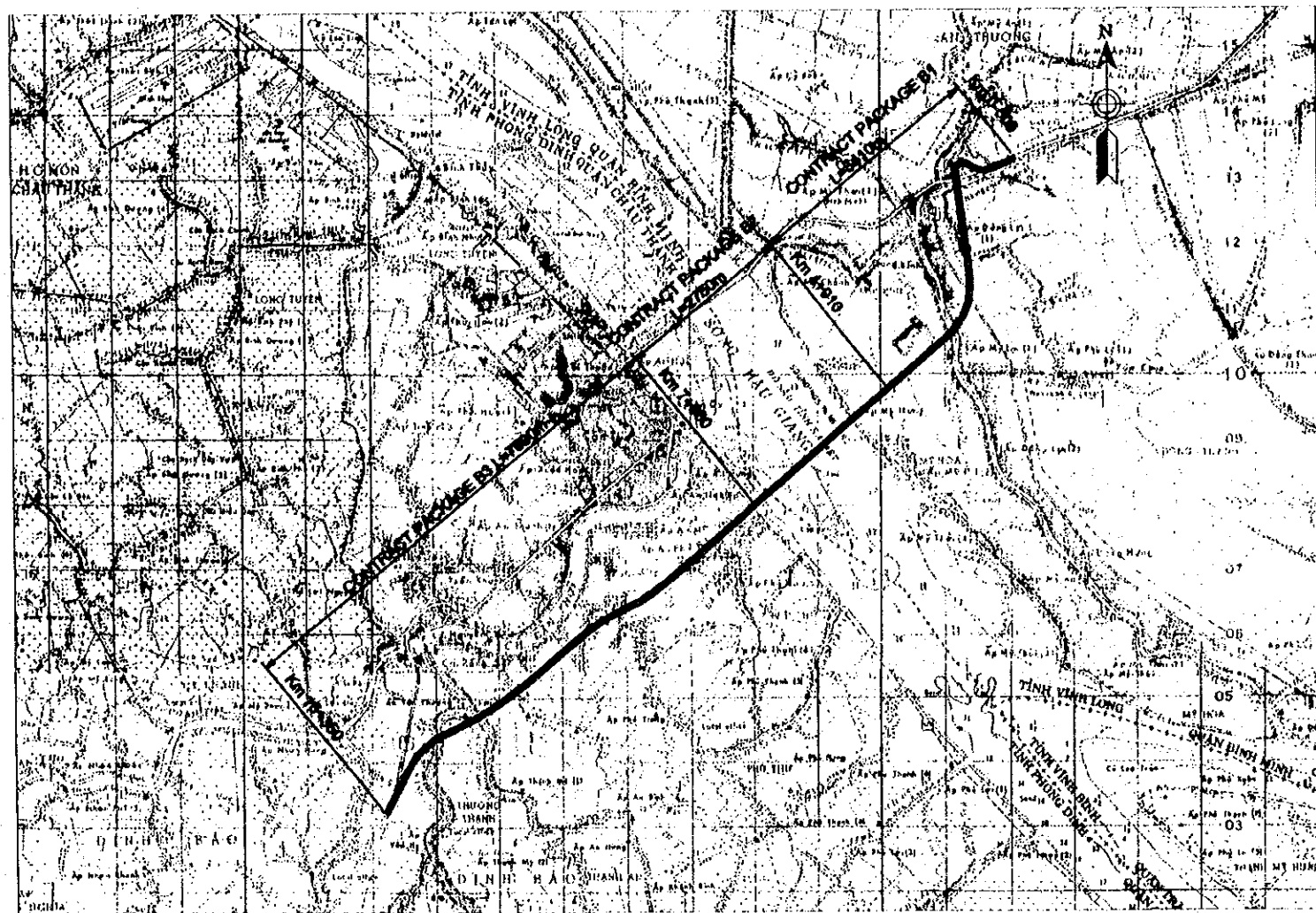
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000	K. Nakai <i>K. Nakai</i> 29/9/2000	K. Enomoto <i>K. Enomoto</i> 5/10/2000	GENERAL DRAWING LIST (2/3)	P3/PA1/020

DRAWING LIST (3/3)

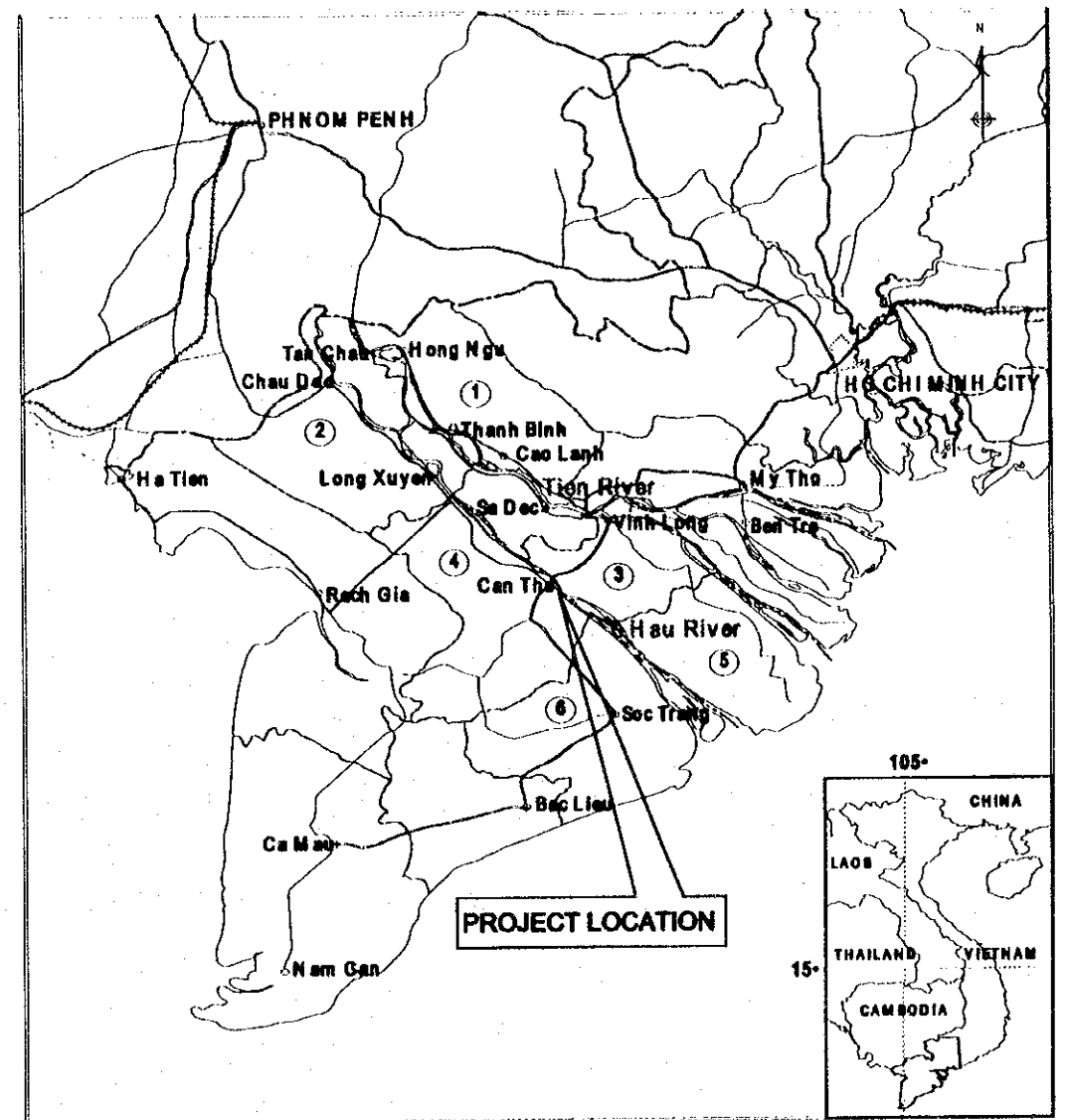
DRAWING NO.	DRAWING TITLE	DRAWING NO.	DRAWING TITLE
P3/SGT/0360	AP MY BRIDGE - PRELOADING AT ABUTMENT A1	P3/MS/0110	DETAIL OF ROAD MARKINGS
P3/SGT/0370	AP MY BRIDGE - PRELOADING AT ABUTMENT A2	P3/MS/0120	DETAIL OF SIGNBOARD (1/2)
P3/SGT/0380	CAI RANG BRIDGE - PRELOADING AT ABUTMENT A1	P3/MS/0130	DETAIL OF SIGNBOARD (2/2)
P3/SGT/0390	CAI RANG BRIDGE - PRELOADING AT ABUTMENT A2	P3/MS/0140	DETAIL OF SIGNPOST (1/2)
P3/SGT/0400	PRELOADING AT CULVERTS KM7+820 - KM14+890 (1/2)	P3/MS/0150	DETAIL OF SIGNPOST (2/2)
P3/SGT/0410	PRELOADING AT CULVERTS KM7+820 - KM14+890 (2/2)	P3/MS/0160	DETAIL OF CONCRETE KERB AND SIDE WALK
P3/SGT/0420	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM7+660 - KM8+900 (1/9)	P3/MS/0170	DETAIL OF MEDIAN BARRIER WALL ON "A" RAMP OF E.P INTERSECTION
P3/SGT/0430	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM8+900 - KM10+100 (2/9)	P3/MS/0180	DETAIL OF NOSE AT RAMPWAY TERMINALS
P3/SGT/0440	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM10+100 - KM11+320 (3/9)	P3/MS/0190	SLOPE PROTECTION (1/2)
P3/SGT/0450	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM11+320 - KM12+560 (4/9)	P3/MS/0200	SLOPE PROTECTION (2/2)
P3/SGT/0460	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM12+560 - KM13+620 (5/9)	P3/MS/0210	PLAN LAYOUT FOR DRAINAGE AT INTERSECTION NO.1
P3/SGT/0470	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM13+620 - KM14+500 (6/9)	P3/MS/0220	DETAIL OF CATCH PIT, DROP INLET AND COVER INTERSECTION NO.1
P3/SGT/0480	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM14+500 - KM15+350 (7/9)	P3/MS/0230	REINFORCED CONCRETE PIPE ϕ 400
P3/SGT/0490	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES INTERCHANGE 3 - OVERROAD (8/9)	P3/MS/0240	SCHEDULE OF SERVICE ROAD
P3/SGT/0500	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES INTERCHANGE 3 - RAMPWAY "D" (9/9)		
P3/SGT/0510	LAYOUT OF INSTRUMENTATION FOR SOFT GROUND TREATMENT		
P3/SGT/0520	INSTRUMENTATION DETAILS		
P3/SGT/0530	LOCATION OF QUARRIES AND DREDGING RIVER		
P3/LS LIGHTING SYSTEM			
P3/LS/0010	ROAD LIGHTING LAYOUT PLAN (01)		
P3/LS/0020	ROAD LIGHTING LAYOUT PLAN (02)		
P3/LS/0030	ROAD LIGHTING LAYOUT PLAN (03)		
P3/LS/0040	ROAD LIGHTING LAYOUT PLAN (04)		
P3/LS/0050	ROAD LIGHTING LAYOUT PLAN (05)		
P3/LS/0060	ROAD LIGHTING LAYOUT PLAN (06)		
P3/LS/0070	ROAD LIGHTING LAYOUT PLAN (07)		
P3/LS/0080	ROAD LIGHTING LAYOUT PLAN (08)		
P3/LS/0090	ROAD LIGHTING LAYOUT PLAN (09)		
P3/LS/0100	ROAD LIGHTING LAYOUT PLAN (10)		
P3/LS/0110	ROAD LIGHTING LAYOUT PLAN (11)		
P3/LS/0120	ROAD LIGHTING LAYOUT PLAN (12)		
P3/LS/0130	LIGHTING FIXTURE FIGURE		
P3/LS/0140	POWER RECEIVING SYSTEM SINGLE LINE DIAGRAM		
P3/LS/0150	DETAIL OF POWER RECEIVING SYSTEM (DISTRIBUTION PANEL DIAGRAM NO.1)		
P3/LS/0160	DETAIL OF POWER RECEIVING SYSTEM (DISTRIBUTION PANEL DIAGRAM NO.2)		
P3/LS/0170	DETAIL OF LIGHTING POLE HOLE		
P3/MS MISCELLANEOUS			
P3/MS/0010	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (1/5)		
P3/MS/0020	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (2/5)		
P3/MS/0030	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (3/5)		
P3/MS/0040	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (4/5)		
P3/MS/0050	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (5/5)		
P3/MS/0060	DETAIL OF GUARDRAIL AND GUARD POST		
P3/MS/0070	INSTALLATION OF GUARDRAIL		
P3/MS/0080	DETAIL OF GUIDE POST AND KM POST		
P3/MS/0090	LAYOUT OF ROAD MARKINGS (1/2)		
P3/MS/0100	LAYOUT OF ROAD MARKINGS (2/2)		

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 KOBİ CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	GENERAL DRAWING LIST (3/3)	P3/PA1/030
				SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>			
				DATE	20/9/2000	29/9/2000			



P3/GE GENERAL



LAYOUT PLAN
SCALE 1:50000



KEY MAP



















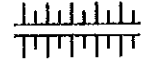
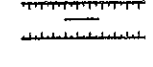



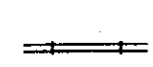
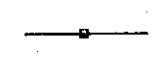
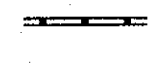




















PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT 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	KEY MAP & LAYOUT PLAN	F3/CB/0010



ABBREVIATIONS AND SYMBOLS

AMP	AMPERE	E	LASTING	LT	LEFT SIDE OF ALIGNMENT	R.C.P.C	REINFORCED CONCRETE PIPE CULVERT
A	CLOTHOID PARAMETER	EB	EAST BOUND	L.V.C	LENGTH OF VERTICAL CURVE	RERD	RELOCATION OF ROAD
AC	ALTERNATING CURRENT	ELEV(EL)	ELEVATION	M	METER	REWY	RELOCATION OF WATERWAY
AC	ASPHALT CONCRETE	EGL	EXISTING GROUND LEVEL	M ² , M2	SQUARE METER	R.O.W	RIGHT OF WAY
AD	ABSOLUTE DIFFERENCE	EP	END POINT	M ³ , M3	CUBIC METER	RP	RADIUS POINT
AIFB	ASPHALT-IMPREGNATED FIBERBOARD	EQ	EQUAL	MAX	MAXIMUM	RI	RIGHT SIDE OF ALIGNMENT
APPR	APPROACH	EXC	EXCAVATION	MIN	MINIMUM	RW	RETAINING WALL
ASPH	ASPHALT	EXP	EXPANSION	MM	MILLIMETER	SB	SOUTH BOUND
BC	BOX CULVERT	EVCS	ENDING OF VERTICAL CURVE STATION	MO	MIDDLE ORDINATE	SC	SPIRAL CURVE TO CIRCULAR CURVE
BOR	BORING	EVCE	ENDING OF VERTICAL CURVE ELEVATION	N	NORTHING	SCP	SAND COMPACTION PILE
BP	BEGINNING POINT	F	FILL	NA, N/A	NOT APPLICABLE	SD	SIDE DITCH
BR	BRIDGE	F	FIXED	NB	NORTH BOUND	SDBT	SAND BLANKET
BRG	BEARING	FF	FACE TO FACE	NC	NORMAL CROWN	SE	SUPERELEVATION
BVCS	BEGINNING OF VERTICAL CURVE STATION	FG	FINISHED GRADE	NGL	NATURAL GROUND LEVEL	SM	STONE MASONRY
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION	FH	FINISHED HEIGHT	NH	NATIONAL HIGHWAY	SP	SLOPE PROTECTION
C/C	CENTER TO CENTER	FR	FRONTAGE ROAD	NO	NUMBER	SQ.M	SQUARE METER
CB	CATCH BASIN	GF	GUARD FENCE	NTS	NOT TO SCALE	SSP	SURFACE SETTLEMENT PLATE
CIP	CAST-IN-PLACE	GIR	GIRDER	OGL	ORIGINAL GROUND LEVEL	ST	SPIRAL CURVE TO TANGENT
CL	CENTER LINE	GL	GROUND LEVEL	OV	OVER BRIDGE	STA	STATION
CL	CURVE LENGTH	GR	GUARD RAIL	OR	OVER ROAD	STRUC	STRUCTURE
CM	CENTIMETER	H	HORIZONTAL	P	PIPE CULVERT	STS	SPIRAL TO SPIRAL POINT
CHA	CHAINAGE	Hove	AVERAGE HEIGHT	PC	TANGENT TO CIRCULAR	SURC	SUR-CHARGE
CONC	CONCRETE	H.W.L	HIGH WATER LEVEL	P.C	PRESTRESSED CONCRETE	SV	SUPERVISION
CONST	CONSTRUCTION	HWY	HIGHWAY	PCC	POINT OF COMPOUND CURVE	T	THICKNESS
CONT	CONTINUOUS	G1,G2	GRADIENT	PCCP	PORTLAND CEMENT CONCRETE PAVEMENT	TL	TANGENT'S LENGTH
CS	CIRCULAR CURVE TO SPIRAL CURVE	IA	INTERSECTION ANGLE	PH	PLAN HEIGHT	TW	THROUGHWAY
CU.M	CUBIC METER	IP	INTERSECTION POINT	PI	POINT OF HORIZONTAL INTERSECTION	TS	TANGENT TO SPIRAL
CJ	CONSTRUCTION JOINT	INV	INVERT	PNT	POINT	TYP	TYPICAL
CWB	COUNTER WEIGHT BERM	JI	JOINT	PR	PROVINCIAL ROAD	V	DESIGN SPEED IN kph
DC	DRAINAGE CATCH BASIN	K	VERTICAL CURVE COEFFICIENT	PRC	POINT OF REVERSE CURVE	V	VERTICAL
DFWL	DESIGN FLOOD WATER LEVEL	kg	KILOGRAM	PT	CIRCULAR CURVE TO TANGENT	VOLT	VOLTAGE
DI	DRAINAGE INLET	km	KILOMETER	PVD	PREFABRICATED VERTICAL DRAIN	VC	VERTICAL CURVE
DIA or ϕ	DIAMETER	kph	KILOMETER PER HOUR	PVI	POINT OF VERTICAL INTERSECTION	W	WIDENING
DL	DATUM LINE	L	LEFT	P.W	PARAPET WALL	WB	WEST BOUND
DO	DRAINAGE OUTLET	L	LENGTH	R	RIGHT	WHM	WATT HOUR METER
DS	DRAINAGE SIDE DITCH	LA	LAND ACQUISITION	R	RADIUS OF CIRCULAR CURVE	X	EASTING COORDINATE IN METERS
DSP	DEEP SETTLEMENT PLATE	LC	LENGTH OF CURVE	RL	RIGHT LANE	Y	NORTHING COORDINATE IN METERS
DW	MORTARED RUBBLE PAVED WATERWAY	L.M	LINEAR METER	R.C	REINFORCED CONCRETE	@	AT
DWG	DRAWING	LL	LEFT LANE	R.C.B.C	REINFORCED CONCRETE BOX CULVERT	&	AND
						%	PERCENT

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				SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>		
				DATE	20/9/2000	24/9/2000		
						K. Enomoto		

LEGENDS

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| <p> : PERMANENT HOUSE</p> <p> : TILE-ROOFED BRICK-WALLED HOUSE</p> <p> : THATCHED-ROOF TEMPORARY HOUSE</p> <p> : CHURCH</p> <p> : PAGODA, TEMPLE</p> <p> : CEMETERY, GRAVE YARD, TOMBS</p> <p> : POST-OFFICE</p> <p> : ELECTRIC STATION</p> <p> : WELL</p> <p> : WATER TOWER</p> <p> : MONUMENT</p> <p> : PORCH, GATE</p> <p> : FENCE</p> <p> : RAILWAY</p> <p> : HIGH VOLTAGE ELECTRIC LINE (6KV-35KV)</p> <p> : ELECTRIC POLE - LINE 220KV</p> <p> : LATERITE ROAD</p> <p> : LIGHT POLE</p> | <p> : EMBANKMENT (FILL)</p> <p> : CANAL, DRAINAGE CHANNEL, SIDE DITCH</p> <p> : SMALL BRIDGE</p> <p> : CULVERT</p> <p> : ASPHALT (CONCRETE) PAVED ROAD</p> <p> : BRICK WALL</p> <p> : WATER PIPE</p> <p> : OIL, PETROL PIPE</p> <p> : GAS PIPE</p> <p> : PROVINCIAL BOUNDARY</p> <p> : DISTRICT BOUNDARY</p> <p> : TELEPHONE LINE</p> <p> : EXCAVATION</p> <p> : RIVER, STREAM</p> <p> : POND, LAKE</p> | <p> : COCONUT TREE</p> <p> : RICE FIELD</p> <p> : CROP FIELD (PEANUT, SUGAR CANE, SESAME...)</p> <p> : FOREST, OTHER TREE</p> <p> : ORCHARD</p> <p> : GPS : GLOBAL POSITIONING SYSTEM</p> <p> : TRAVERSE POINT</p> <p> : BENCHMARK</p> <p> : KP : KM POST</p> <p> : BORE HOLE</p> <p> : NIPA</p> <p> : BAMBOO</p> <p> : GRASS</p> |
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				SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>		
				DATE	20/9/2000	24/9/2000		
						<i>K. Enomoto</i>		
						5/10/2000		

GENERAL NOTES

1. GENERAL

- 1.1. UNLESS OTHERWISE NOTED, THESE NOTES ARE APPLIED TO ALL DRAWINGS.
- 1.2. THE SCALE INDICATED IN DRAWINGS IS FOR 'A3' SIZE.
- 1.3. ALL CHAINAGES, COORDINATES, ELEVATIONS ARE IN METRES. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.
- 1.4. THE ELEVATION SYSTEM IS REFERRED TO THE MEAN SEA DATUM ELEVATION AT HONDAU - DO SON. COORDINATES ARE REFERRED TO THE NATIONAL GRID SYSTEM.

2. DESIGN CRITERIA

- VIETNAMESE HIGHWAY SPECIFICATIONS TCVN 4054-98.
- VIETNAMESE URBAN DESIGN SPECIFICATIONS FOR STREET, SQUARE 201CN-104-85.
- VIETNAMESE EXPRESSWAY SPECIFICATIONS TCVN 5729-1997.
- VIETNAMESE HIGHWAY BRIDGES STANDARDS 1979.
- SIGNAL REGULATION OF HIGHWAY 22 TCN 237-97.
- AASHTO GUIDE FOR PAVEMENT STRUCTURES.
- AASHTO 98 LRFD BRIDGE DESIGN SPECIFICATIONS.
- AASHTO GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF SEGMENTAL CONCRETE BRIDGES.

3. CONCRETE

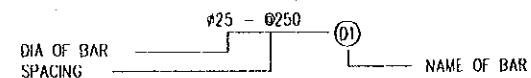
- 3.1. UNLESS OTHERWISE INDICATED, CONCRETE SHALL BE OF THE FOLLOWING GRADES BASED ON 28 DAY CYLINDER STRENGTH f_c :

CONCRETE CLASS	STRENGTH f_c MPa	KIND OF STRUCTURE IN USE
D-1	30	IN-SITU DECK SLAB, BOX CULVERT, RIGID PAVEMENT
C	24	RETAINING WALL, WINGWALL, APRON, KERB
F	15	LEAN CONCRETE

- 3.2. WHEREVER FORMS ARE NOT USED, REINFORCED CONCRETE SHALL BE PLACED AGAINST 100mm MINIMUM THICKNESS LEAN CONCRETE.
- 3.3. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 20x20mm UNLESS OTHERWISE NOTED.
- 3.4. ALL CONSTRUCTION JOINTS ARE TO BE LOCATED AS SHOWN ON THE DRAWINGS OR AS ENGINEER'S APPROVAL.

4. REINFORCEMENT

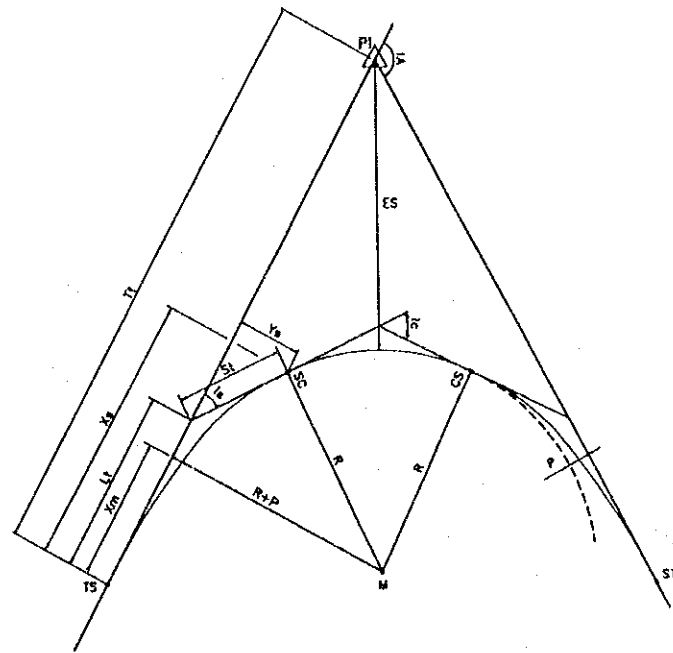
- 4.1. REINFORCEMENT SHALL BE DEFORMED, EXCEPT PLAIN BARS AS SHOWN ON DRAWING.
- 4.2. REINFORCEMENT SHALL BE ASTM A615 OR EQUIVALENT. PLAIN ROUND BAR WITH $f_y(\min)$ 250 MPa AND HIGH YIELD DEFORMED BARS WITH YIELD STRENGTH NOT LESS THAN $f_y(\min)$ 390 MPa SHALL BE USED.
- 4.3. REINFORCEMENT IS NOTED ON THE DRAWINGS AS FOLLOWS:



- 4.4. ALL REINFORCEMENTS ARE SHOWN AS _____
- 4.5. SPLICES IN ADJACENT BARS SHALL BE STAGGERED EXCEPT WHERE NOTED ON THE DRAWINGS. SPLICES OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY ONLY BE MADE WITH THE ENGINEER'S APPROVAL.
- 4.6. MINIMUM SPLICE LENGTH SHALL BE IN ACCORDANCE WITH AASHTO LRFD 98.
- 4.7. STANDARD HOOKS AND MINIMUM BEND DIAMETER SHALL BE IN ACCORDANCE WITH AASHTO LRFD 98.
- 4.8. REINFORCEMENTS INDICATED AS RANDOM LENGTH MAY BE LAP SPLICED AS NECESSARY SUBJECT TO THE FOLLOWING CONDITIONS:
 - A) LAP SPLICES IN ADJACENT BARS SHALL BE STAGGERED
 - B) MINIMUM LAP LENGTHS SHALL BE IN ACCORDANCE WITH AASHTO LRFD 98.
 - C) NOT MORE THAN ONE BAR PER LINE IS TO BE SHORTER THAN 12 METRES

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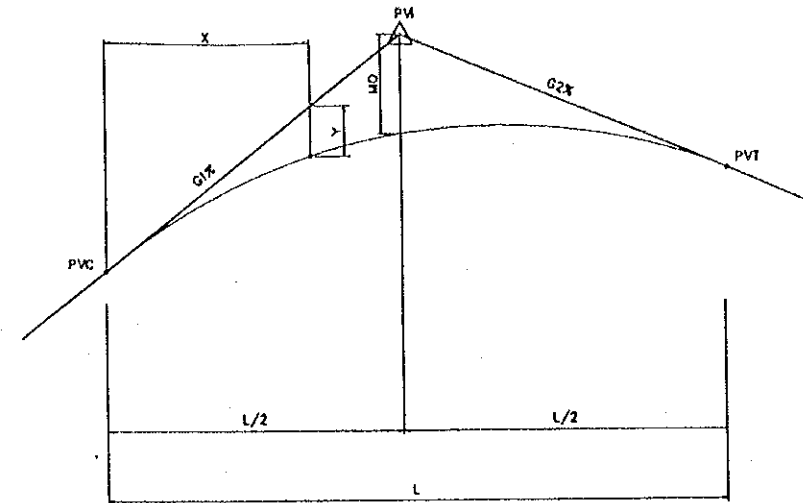
P3/TW THROUGHWAY



HORIZONTAL CURVE WITH SPIRAL TRANSITION

LEGEND:

- PI = POINT OF INTERSECTION
- IA = INTERSECTION AND CENTRAL ANGLE OF ENTIRE CURVE
- R = RADIUS OF THE CIRCULAR CURVE
- A = PARAMETER OF THE TRANSITION CURVE $A = \sqrt{R \times L_s}$
- Ls = LENGTH OF SPIRAL
- Is = SPIRAL ANGLE AT SC OR CS
- Ic = CENTRAL ANGLE OF THE CIRCULAR CURVE SC TO CS
- Lc = LENGTH OF THE CIRCULAR CURVE FROM SC TO CS
- Xs, Ys = TANGENT DISTANCE AND OFFSET FROM TS TO SC & ST TO CS
- ES = TOTAL EXTERNAL DISTANCE FROM PI TO MIDDLE OF CURVE
- P = OFFSET BETWEEN CIRCULAR CURVE & MAIN TANGENT
- Xm = TANGENT DISTANCE TO THE PROJECTION OF M
- Lt = LONG TANGENT OF SPIRAL
- St = SHORT TANGENT OF SPIRAL
- Tl = TOTAL TANGENT DISTANCE FROM TS TO PI
- TS = BEGINNING OF SPIRAL CURVE
- SC = POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE
- CS = POINT OF CHANGE FROM CIRCULAR CURVE TO SPIRAL
- ST = END OF SPIRAL CURVE
- M = CENTER OF CIRCULAR CURVE



VERTICAL PARABOLIC CURVE

LEGEND:

- PV = POINT OF VERTICAL INTERSECTION
- PVC = POINT OF VERTICAL CURVATURE
- PVT = POINT OF VERTICAL TANGENCY
- L = LENGTH OF VERTICAL CURVE
- G1, G2 = GRADES IN PERCENT
- A = ALGEBRAIC GRADE CHANGE EXPRESSED AS A PERCENT
- K = L/A
- MO = MIDDLE ORDINATE
- X = DISTANCE FROM PVC OR PVT TO POINT ON VERTICAL CURVE
- Y = VERTICAL OFFSET AT DISTANCE X FROM TANGENT TO VERTICAL CURVE

NOTES:

1. FOR SYMMETRICAL PARABOLIC CURVE:

$$MO = \frac{(G1 - G2)L}{800} \quad Y = \frac{(G1 - G2)x^2}{200L}$$

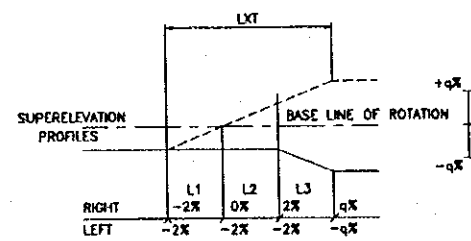
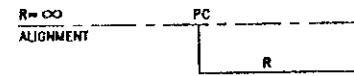
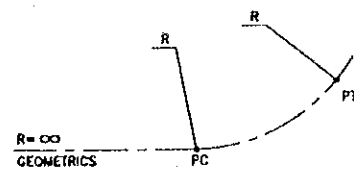
2. TO CALCULATE INTERMEDIATE ELEVATIONS, PARABOLIC CURVE SHALL BE USED.

3. TO CONVERT THE SYMMETRICAL PARABOLIC CURVE TO EQUIVALENT CIRCULAR CURVE USE FORMULA:

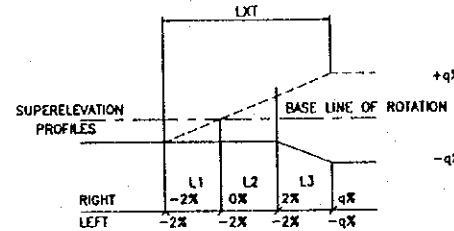
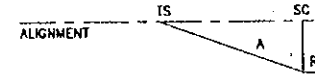
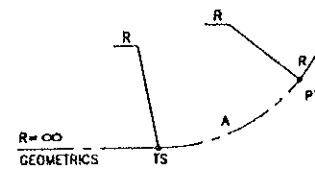
$$R = \frac{100 L}{G2 - G1} = 100 K$$

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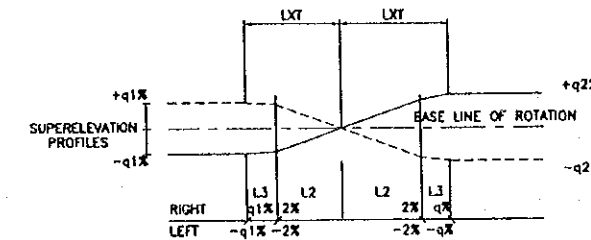
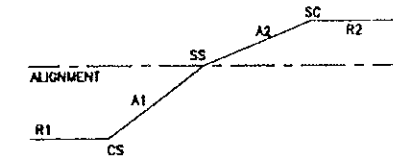
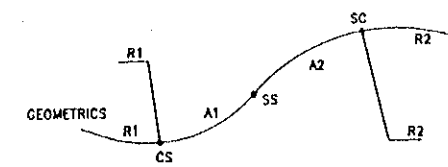
SUPERELEVATION DIAGRAMS



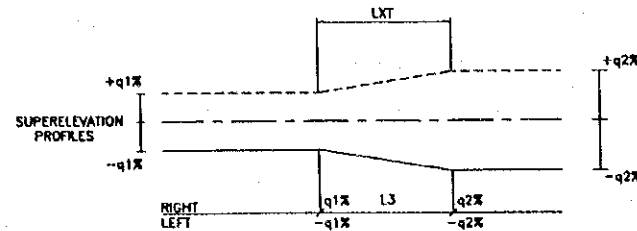
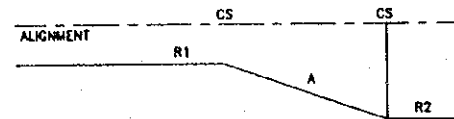
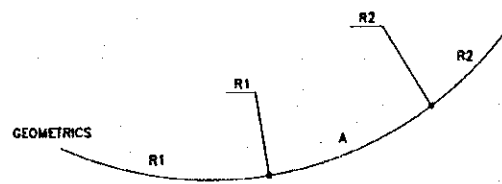
CASE 1. TANGENT-CIRCULAR (WITHOUT SPIRAL CURVE)



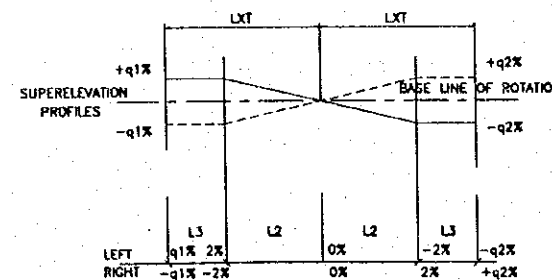
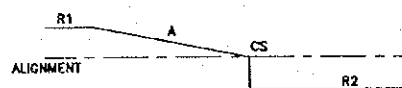
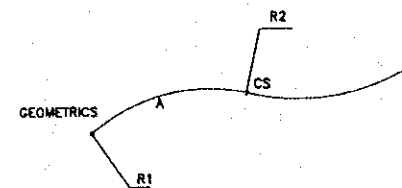
CASE 2. TANGENT-SPIRAL CURVE-CIRCULAR CURVE



CASE 3. CIRCULAR CURVE-REVERSE SPIRAL CURVE-CIRCULAR CURVE



CASSE 4. CIRCULAR CURVE-SPIRAL CURVE-CIRCULAR CURVE

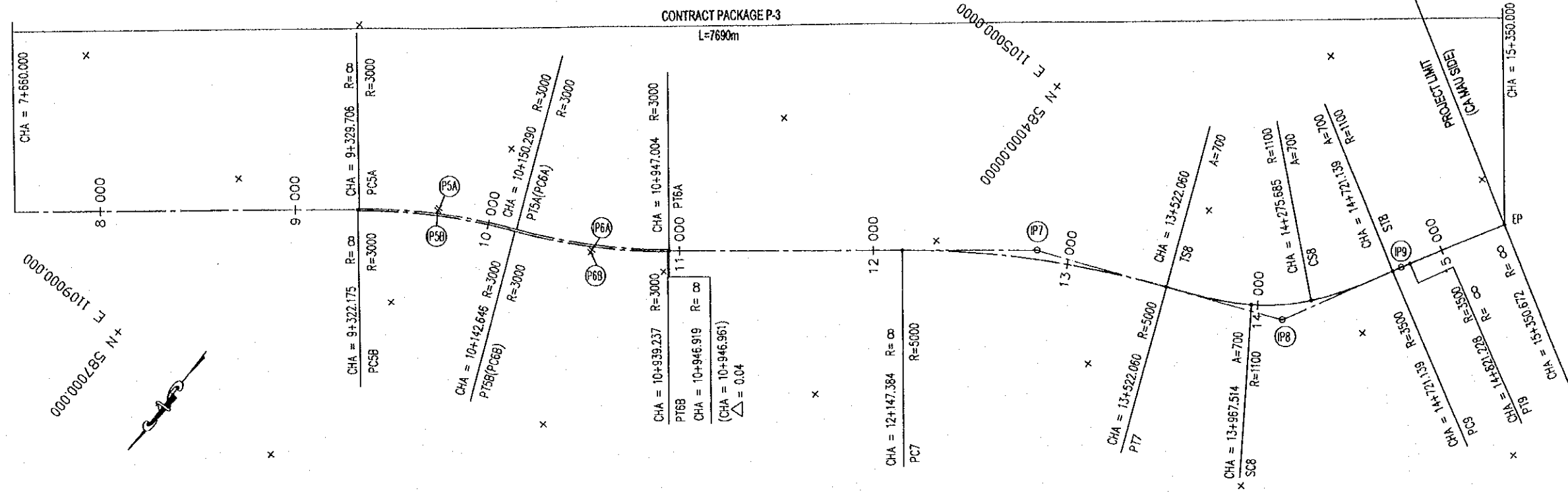


CASE 5. CIRCULAR CURVE-SPIRAL CURVE-CIRCULAR CURVE

LEGEND

- : CENTER OF ROADWAY
- : LEFT SIDE EDGE OF CARRIAGEWAY LOOKING UP CHAINAGE
- : RIGHT SIDE EDGE OF CARRIAGEWAY LOOKING UP CHAINAGE
- A : PARAMETER OF SPIRAL CURVE (CLOTHOID)
- CS : A POINT OF SPIRAL CURVE CONNECTED TO CIRCULAR CURVE
- SC : ANOTHER POINT OF SPIRAL CURVE CONNECTED TO CIRCULAR CURVE
- LXT : LENGTH OF SUPERELEVATION RUNOUT & RUNOFF
- L1 : TANGENT RUNOUT
- L2 : RUNOFF BEFORE NORMAL STRAIGHT CROSSFALL
- L3 : RUNOFF AFTER NORMAL STRAIGHT CROSSFALL TO FULL SUPERELEVATION POINT
- PC : TANGENT TO CIRCULAR CURVE
- PT : CIRCULAR CURVE TO TANGENT
- q : SUPERELEVATION RATE
- q1 : SUPERELEVATION RATE OF FRONT CURVE
- q2 : SUPERELEVATION RATE OF BEHIND CURVE
- R : RADIUS OF CIRCULAR CURVE
- ST : END POINT OF SPIRAL CURVE
- SS : SPIRAL CURVE TO SPIRAL CURVE
- TS : BEGINNING POINT OF SPIRAL CURVE

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	SUPERELEVATION DIAGRAMS	P3/TW/0020

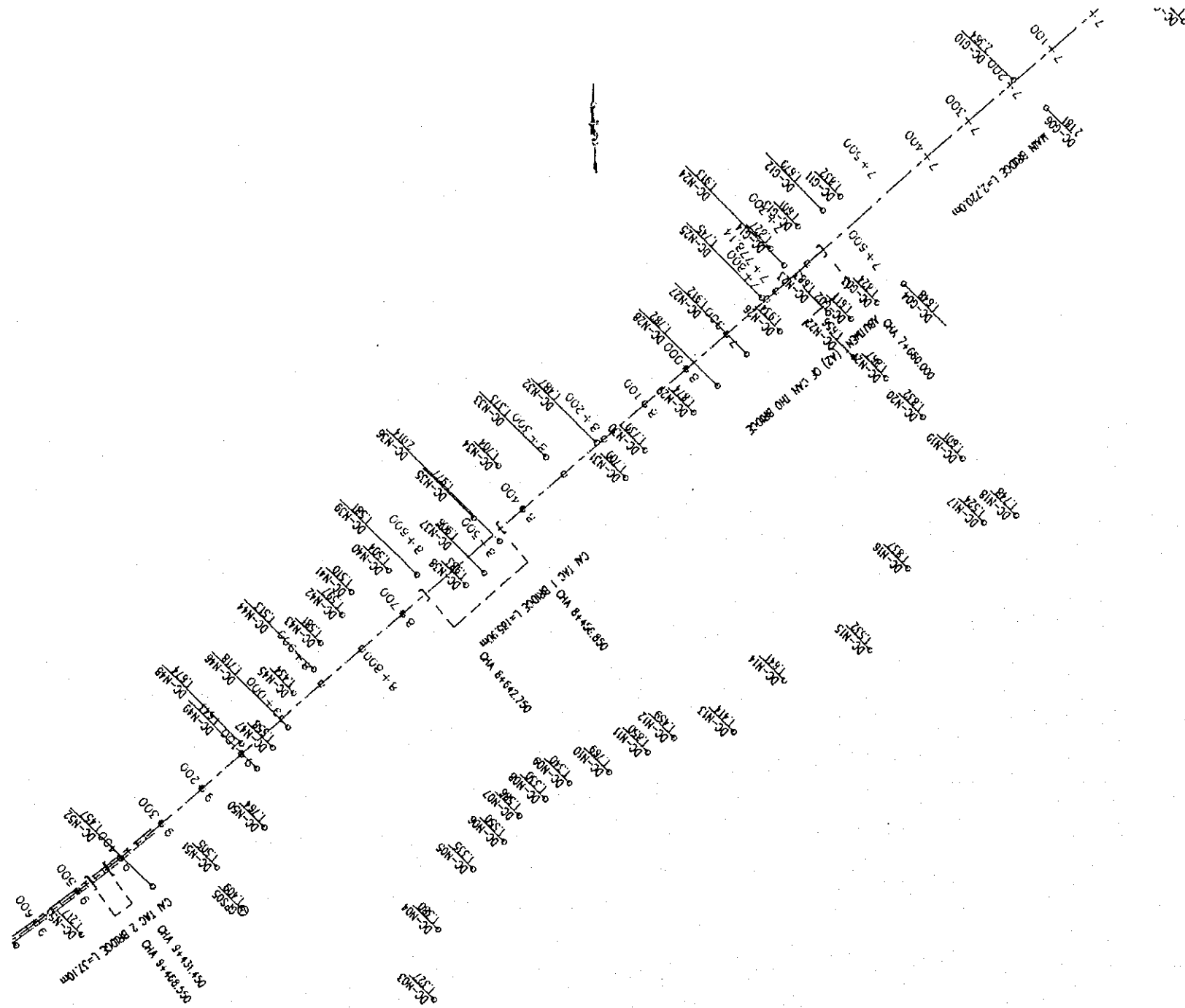


NOTES :
ALL LENGTH UNITS ARE IN METERS.

	IA	R	AI	A2	TL1	TL2	CL	L1	L2	LC	IP		PC			PT		
											X	Y	X	Y	CHA	X	Y	CHA
IP-5A	15°40'19.23"	3000	-	-	412.86959	412.86959	820.58442	-	-	820.58442	1107469.90196	586103.72334	1107730.94313	586423.59645	9+329.70607	1107304.97264	585725.22682	10+150.29049
IP-6A	15°12'57.99"	3000	-	-	400.71469	400.71469	796.713520	-	-	796.713520	1107144.898864	585357.873270	1107304.97264	585725.22682	10+150.29049	1106894.02105	585045.41117	10+947.00401
IP-5B	15°40'11.42"	3000	-	-	412.81172	412.81172	820.47080	-	-	820.47080	1107482.13746	586103.53279	1107743.14203	586423.36105	9+322.17556	1107317.21693	585725.09558	10+142.64636
IP-6B	15°12'49.57"	3000	-	-	400.65237	400.65237	796.59116	-	-	796.59116	1107157.15412	585357.80518	1107317.21693	585725.09558	10+142.64636	1106906.31620	585045.39090	10+939.23752
IP-7	15°45'09.45"	5000	-	-	691.70053	691.70053	1374.67591	-	-	1374.67591	1105713.15088	583567.00000	1106146.20799	584106.36184	12+147.38450	1105442.78659	582930.32677	13+522.06041
IP-8	39°15'14.77"	1100	700.00000	700.00000	617.37700	617.37700	1199.07900	445.45455	445.45455	308.16990	1105201.47290	582362.06399	-	-	-	-	-	-
IP-9	01°38'18.54"	3500	-	-	50.04804	50.04804	100.08927	-	-	100.08927	1104610.74084	582051.43176	1104655.03790	582074.72506	14+721.13961	1104567.12792	582026.88141	14+821.22888
E.P	-	-	-	-	-	-	-	-	-	-	1104105.75918	581767.17016	-	-	-	-	-	-

	IS			SC			CS			ST			AZIMUTH	V (KM/H)	SE (%)	W (M)
	X	Y	CHA	X	Y	CHA	X	Y	CHA	X	Y	CHA				
IP-5A	-	-	-	-	-	-	-	-	-	-	-	-	230° 46' 58.43"	80	-	0
IP-6A	-	-	-	-	-	-	-	-	-	-	-	-	246° 27' 17.66"	80	-	0
IP-5B	-	-	-	-	-	-	-	-	-	-	-	-	230° 46' 58.43"	80	-	0
IP-6B	-	-	-	-	-	-	-	-	-	-	-	-	246° 27' 09.85"	80	-	0
IP-7	-	-	-	-	-	-	-	-	-	-	-	-	231° 14' 19.66"	80	-	0
IP-8	1105442.78659	582930.32677	13+522.06041	1105241.79231	582533.70472	13+967.51495	1105033.74028	582307.73205	14+275.68507	1104655.03790	582074.72506	14+721.13961	246° 59' 29.11"	80	-	0
IP-9	-	-	-	-	-	-	-	-	-	-	-	-	207° 44' 14.34"	80	-	0
E.P	-	-	-	-	-	-	-	-	-	-	-	-	209° 22' 32.88"	80	-	0

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 KOBI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE CAN THO BRIDGE ALIGNMENT LAYOUT AND GEOMETRIC DATA	DWG NO. P3/TW/030	
				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	DRAWING TITLE CAN THO BRIDGE ALIGNMENT LAYOUT AND GEOMETRIC DATA		DWG NO. P3/TW/030			



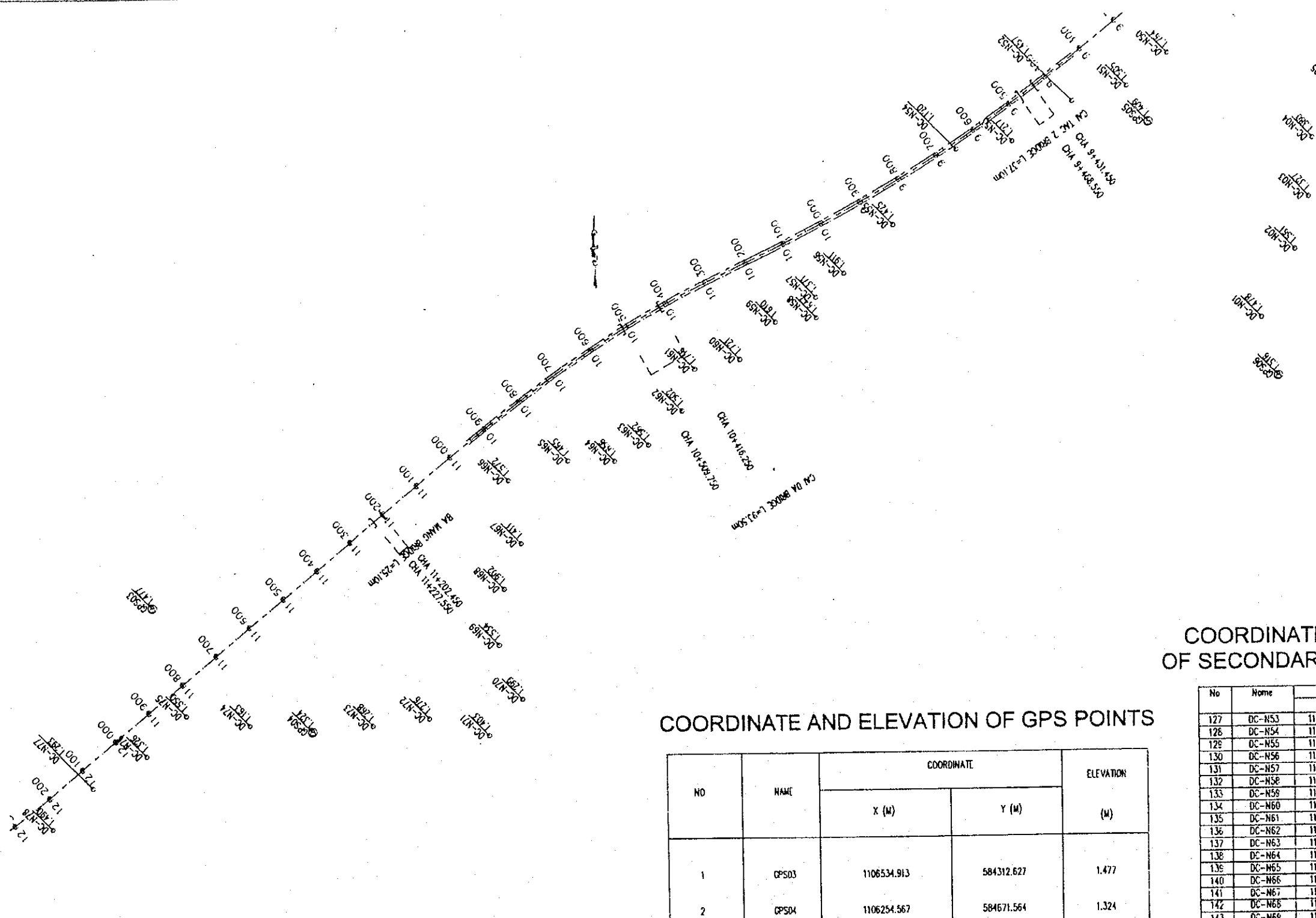
COORDINATE AND ELEVATION OF SECONDARY TRAVERSE POINTS

No	Name	Coordinate		Elevation (m)
		X (m)	Y (m)	
61	DC-N01	1110260.404	589344.546	1.606
62	DC-N02	1110323.000	589387.241	1.434
63	DC-N03	1108663.056	587763.290	1.611
64	DC-N04	1108691.843	587815.040	1.824
65	DC-N05	1108725.613	587866.949	1.648
66	DC-N06	1109038.649	588135.821	2.181
67	DC-N07	1109192.835	588388.910	1.765
68	DC-N08	1109303.794	588521.728	2.136
69	DC-N09	1109350.377	588493.396	2.188
70	DC-N10	1109090.467	588076.745	2.364
71	DC-N11	1108885.896	587747.447	1.832
72	DC-N12	1108861.591	587714.624	1.679
73	DC-N13	1108633.256	587666.707	1.601
74	DC-N14	1108793.458	587614.313	1.877
75	DC-N15	1107155.674	586840.705	1.476
76	DC-N16	1107305.453	586919.572	1.562
77	DC-N17	1107420.940	586952.452	1.327
78	DC-N18	1107550.046	586962.534	1.381
79	DC-N19	1107660.506	587030.609	1.335
80	DC-N20	1107710.148	587091.396	1.550
81	DC-N21	1107757.761	587121.294	1.587
82	DC-N22	1107786.305	587170.619	1.330
83	DC-N23	1107816.979	587216.106	1.346
84	DC-N24	1107835.831	587291.753	1.785
85	DC-N25	1107871.672	587365.306	1.850
86	DC-N26	1107897.508	587414.584	1.459
87	DC-N27	1107907.121	587526.777	1.414
88	DC-N28	1108000.392	587624.113	1.641
89	DC-N29	1108053.836	587788.823	1.533
90	DC-N30	1108202.689	587864.822	1.637
91	DC-N31	1108284.204	588008.211	1.525
92	DC-N32	1108296.604	588067.097	1.749
93	DC-N33	1108402.905	587970.859	1.601
94	DC-N34	1108480.720	587898.426	1.832
95	DC-N35	1108553.389	587829.616	1.867
96	DC-N36	1108593.046	587767.183	1.656
97	DC-N37	1108675.135	587720.397	1.684
98	DC-N38	1108762.785	587639.219	1.913
99	DC-N39	1108704.140	587595.527	1.745
100	DC-N40	1108642.250	587628.685	1.935
101	DC-N41	1108601.434	587565.413	1.912
102	DC-N42	1108543.781	587509.118	1.783
103	DC-N43	1108495.467	587462.803	1.875
104	DC-N44	1108427.235	587371.535	1.739
105	DC-N45	1108376.485	587334.266	1.709
106	DC-N46	1108442.224	587281.480	1.486
107	DC-N47	1108417.387	587185.189	1.374
108	DC-N48	1108402.565	587095.690	1.704
109	DC-N49	1108307.089	587046.058	1.977
110	DC-N50	1108253.490	587095.130	2.014
111	DC-N51	1108205.505	587064.170	1.906
112	DC-N52	1108163.586	587028.280	1.963
113	DC-N53	1108204.663	586937.127	1.581
114	DC-N54	1108212.750	586884.021	1.504
115	DC-N55	1108174.051	586813.581	1.516
116	DC-N56	1108132.722	586795.491	1.596
117	DC-N57	1108081.415	586754.187	1.581
118	DC-N58	1108033.533	586739.875	1.513
119	DC-N59	1107990.150	586700.497	1.434
120	DC-N60	1107927.505	586687.570	1.716
121	DC-N61	1107890.387	586656.820	1.559
122	DC-N62	1107899.095	586598.546	1.675
123	DC-N63	1107852.721	586626.677	1.643
124	DC-N64	1107743.602	586637.847	1.765
125	DC-N65	1107671.066	586546.409	1.506
126	DC-N66	1107637.494	586424.071	1.457

LEGEND

- ⊙ GPS POINT
- SECONDARY TRAVERSE POINT

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				DATE	20/9/2000	29/9/2000	5/10/2000	TRaverse NETWORK OF SURVEY CONTROLS KM 7+660 TO KM 9+500 (1/3)	P3/TW/0040



LEGEND

⊙ GPS POINT
○ SECONDARY TRAVERSE POINT

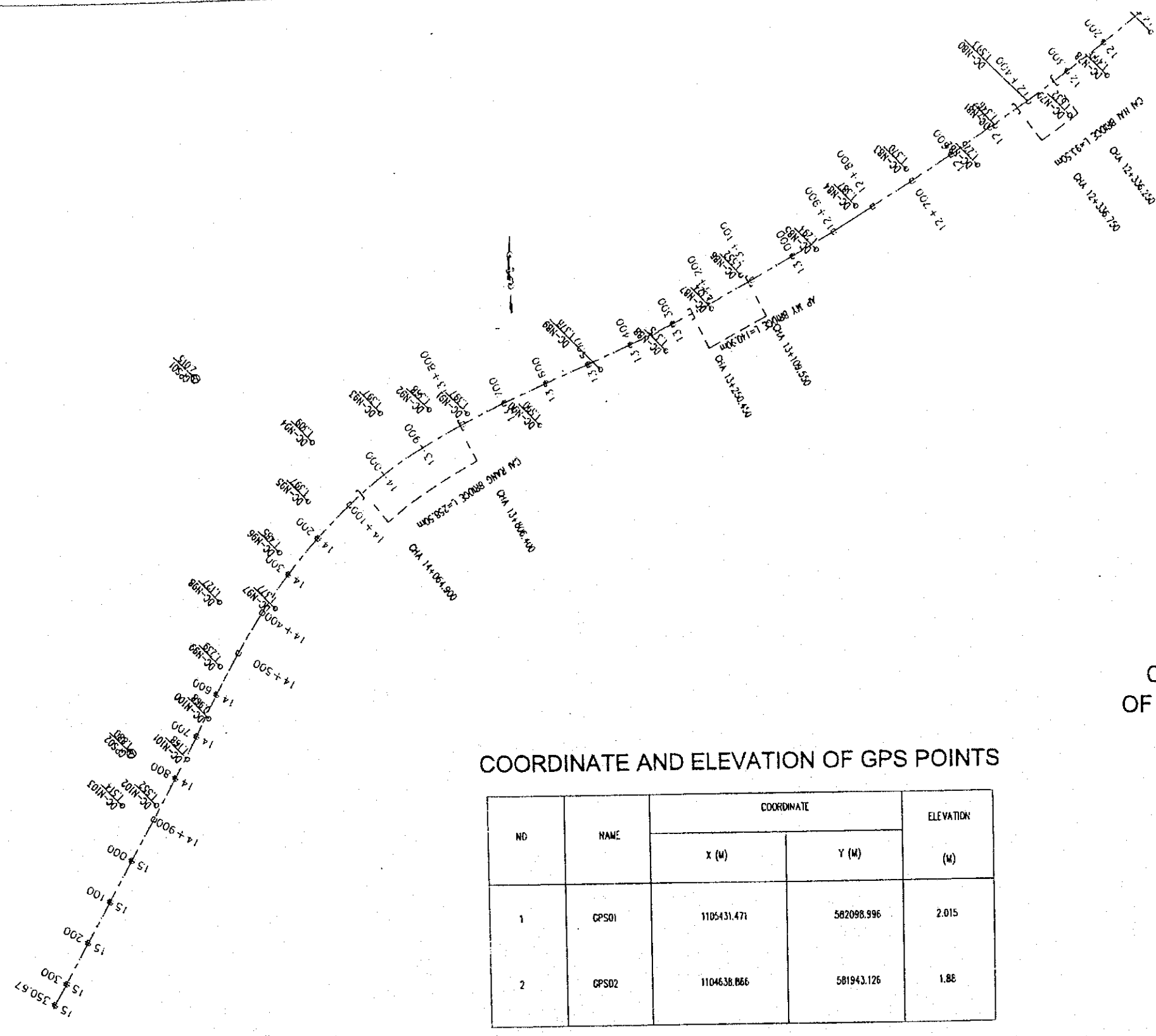
COORDINATE AND ELEVATION OF GPS POINTS

NO	NAME	COORDINATE		ELEVATION (M)
		X (M)	Y (M)	
1	GPS03	1106534.913	584312.627	1.477
2	GPS04	1106254.567	584671.564	1.324
3	GPS05	1107590.554	586594.355	1.409
4	GPS06	1107025.62	586877.035	1.516

COORDINATE AND ELEVATION OF SECONDARY TRAVERSE POINTS

No	Name	Coordinate		Elevation (m)
		X (m)	Y (m)	
127	DC-N53	1107549.792	586290.744	1.217
128	DC-N54	1107531.903	586164.436	1.120
129	DC-N55	1107367.501	586019.914	1.425
130	DC-N56	1107262.592	585907.558	1.911
131	DC-N57	1107210.706	585842.650	1.371
132	DC-N58	1107165.485	585843.031	1.647
133	DC-N59	1107157.021	585745.188	1.610
134	DC-N60	1107075.466	585660.635	1.722
135	DC-N61	1107054.534	585559.761	1.716
136	DC-N62	1106961.466	585531.047	1.502
137	DC-N63	1106886.323	585453.473	1.562
138	DC-N64	1106851.102	585376.154	1.656
139	DC-N65	1106853.236	585269.218	1.465
140	DC-N66	1106811.153	585131.167	1.572
141	DC-N67	1106669.916	585158.100	1.411
142	DC-N68	1106569.161	585117.337	1.902
143	DC-N69	1106444.396	585104.029	1.534
144	DC-N70	1106323.214	585154.675	1.299
145	DC-N71	1106243.106	585078.093	1.403
146	DC-N72	1106281.745	584942.752	1.277
147	DC-N73	1106266.716	584812.474	1.266
148	DC-N74	1106269.963	584529.483	1.163
149	DC-N75	1106293.644	584363.516	1.551
150	DC-N76	1106204.074	584292.297	1.326
151	DC-N77	1106123.519	584166.927	1.294
152	DC-N78	1106042.637	584070.589	1.491

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
				NAME	K. Nemoto	K. Nakai		
SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>	<i>K. Enomoto</i>	DATE	20/9/2000	29/9/2000	5/10/2000	



COORDINATE AND ELEVATION OF GPS POINTS

NO	NAME	COORDINATE		ELEVATION (M)
		X (M)	Y (M)	
1	GPS01	1105431.471	582098.996	2.015
2	GPS02	1104638.066	581943.126	1.88

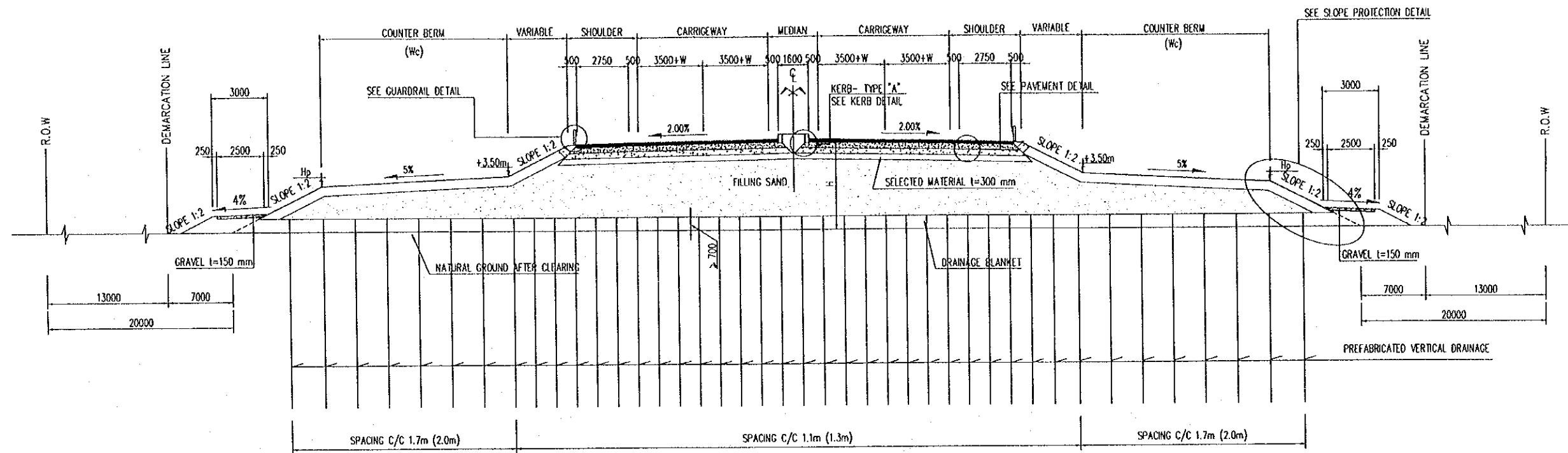
COORDINATE AND ELEVATION OF SECONDARY TRAVERSE POINTS

No.	Name	Coordinate		Elevation (m)
		X (m)	Y (m)	
153	DC-N79	1105960.076	583988.167	1.633
154	DC-N80	1105988.462	583903.527	1.593
155	DC-N81	1105938.449	583636.264	1.347
156	DC-N82	1105856.030	583796.782	1.221
157	DC-N83	1105849.119	583645.437	1.370
158	DC-N84	1105773.465	583535.219	1.387
159	DC-N85	1105683.874	583449.914	1.294
160	DC-N86	1105634.457	583286.743	1.553
161	DC-N87	1105564.975	583219.330	2.325
162	DC-N88	1105477.456	583117.526	1.375
163	DC-N89	1105440.386	582977.182	1.378
164	DC-N90	1105323.909	582843.841	1.590
165	DC-N91	1105350.017	582686.187	1.397
166	DC-N92	1105359.831	582606.083	1.366
167	DC-N93	1105353.513	582502.683	1.397
168	DC-N94	1105294.320	582350.521	1.310
169	DC-N95	1105168.944	582331.537	1.397
170	DC-N96	1105060.872	582273.995	1.485
171	DC-N97	1104942.647	582262.409	1.377
172	DC-N98	1104957.402	582142.321	1.127
173	DC-N99	1104821.332	582140.713	1.231
174	DC-N100	1104711.141	582113.074	0.966
175	DC-N101	1104626.087	582063.323	1.169
176	DC-N102	1104528.727	581994.290	1.552
177	DC-N103	1104528.563	581921.151	1.514

LEGEND

- ⊙ GPS POINT
- SECONDARY TRAVERSE POINT

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 TRAVERSE NETWORK OF SURVEY CONTROLS KM 12+200 TO KM 15+350 (3/3)	DWG NO. P3/TW/0060	
				NAME	K. Nemoto	K. Nakai			K. Enomoto
				SIGNATURE	<i>K. Nemoto</i>	<i>K. Nakai</i>			<i>K. Enomoto</i>
				DATE	20/9/2000	24/9/2000	5/10/2000		



TYPE 1: H ≥ 5M

SCALE 1:250

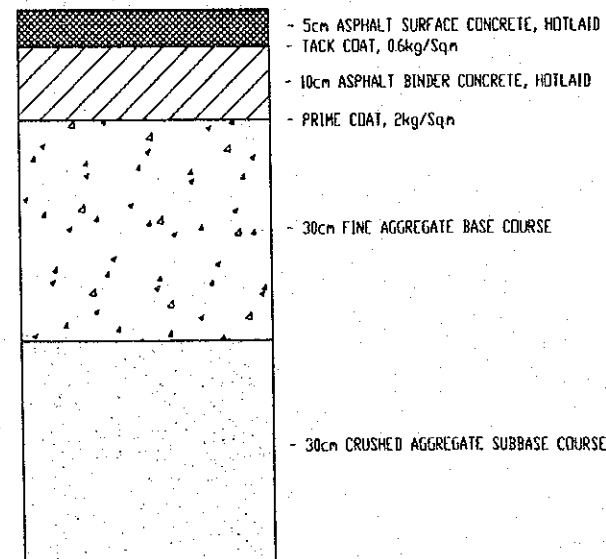
CHAINAGE		LENGTH OF PVD
FROM	TO	
7+660	9+620	25m
9+620	11+000	23m
11+000	15+350	17m

CHAINAGE		SPACING BETWEEN PVD (THROUGHWAY/COUNTER BERM)
FROM	TO	
7+660	11+000	1.1m / 1.7m
11+000	15+350	1.3m / 2.0m

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

PAVEMENT DETAILS

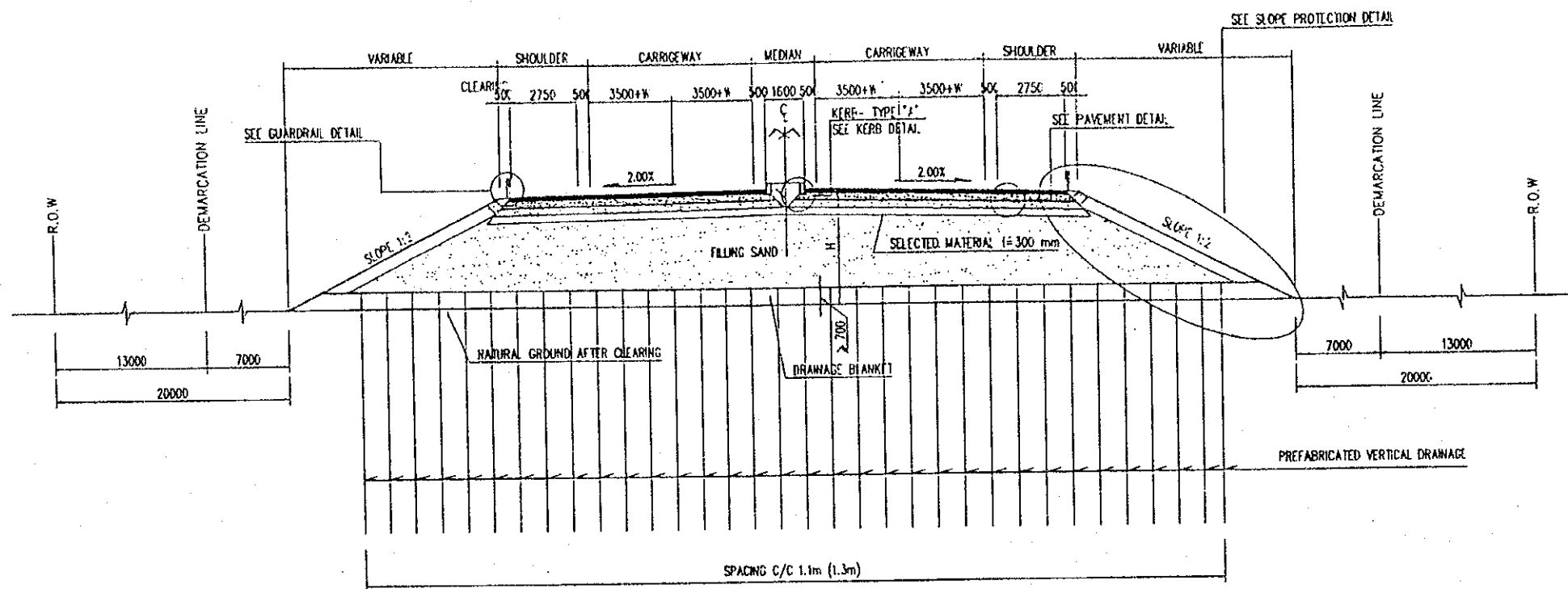
NOT TO SCALE



NOTES:

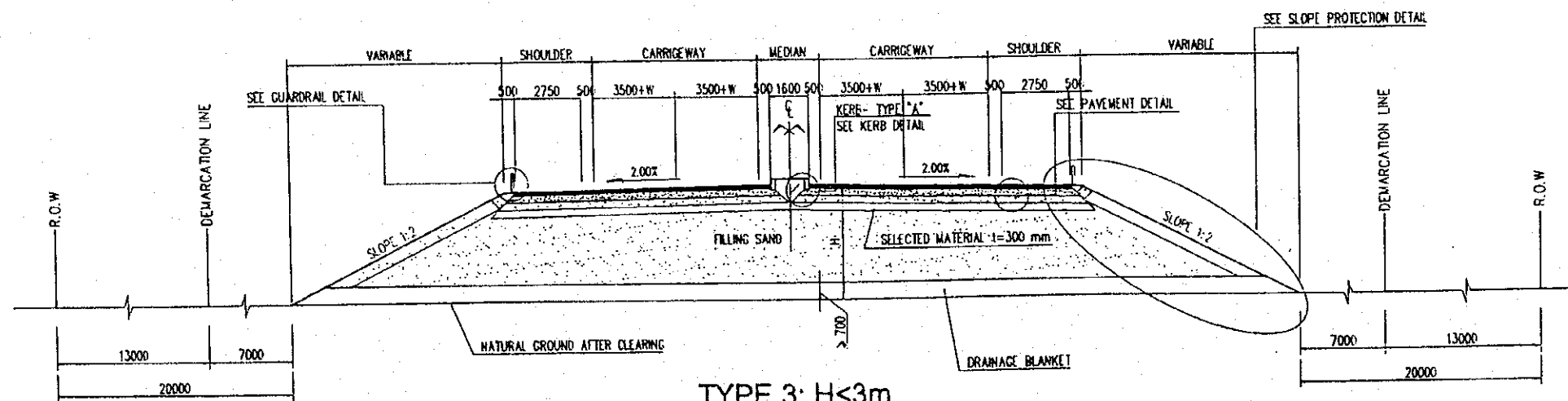
- 1) ALL DIMENSIONS ARE IN MILLIMETER, UNLESS OTHERWISE INDICATED.
- 2) DEMARCATIONS WILL BE LOCATED 7 METERS FROM THE SLOPE TOE AND R.O.W LOCATED 20 METERS FROM IT.
- 3) BETWEEN DEMARCATIONS, ANY RESIDENTS AND FACILITIES (MARKET, FACTORY...) WILL BE REMOVED.
- 4) "W" MEANS WIDENING AMOUNT OF CARRIAGEWAY AT THE CURVES.
- 5) "Wc" AND "Hp" ARE THE WIDTH AND THE ELEVATION OF COUNTER BERM
- 6) GUARDRAIL, KERB SEE DWG P3/MS/0060, P3/MS/0160.
- 7) SLOPE PROTECTION SEE DWG P3/MS/0190, P3/MS/0200.

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	K. Nakai <i>K. Nakai</i> 29/9/2000	K. Enomoto <i>K. Enomoto</i> 5/10/2000	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (1/2)	P3/TW/0070



TYPE 2: $3m \leq H < 5m$

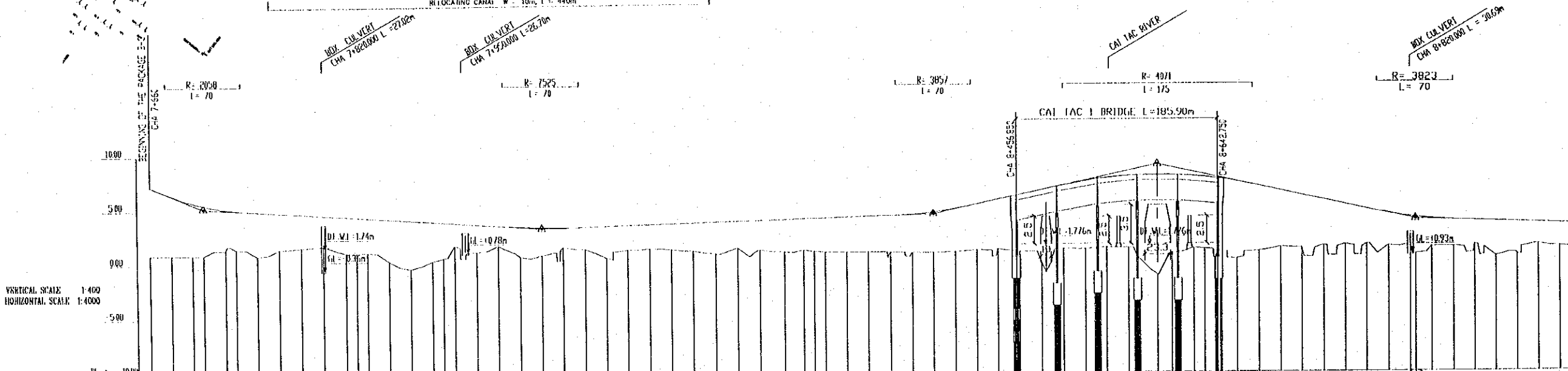
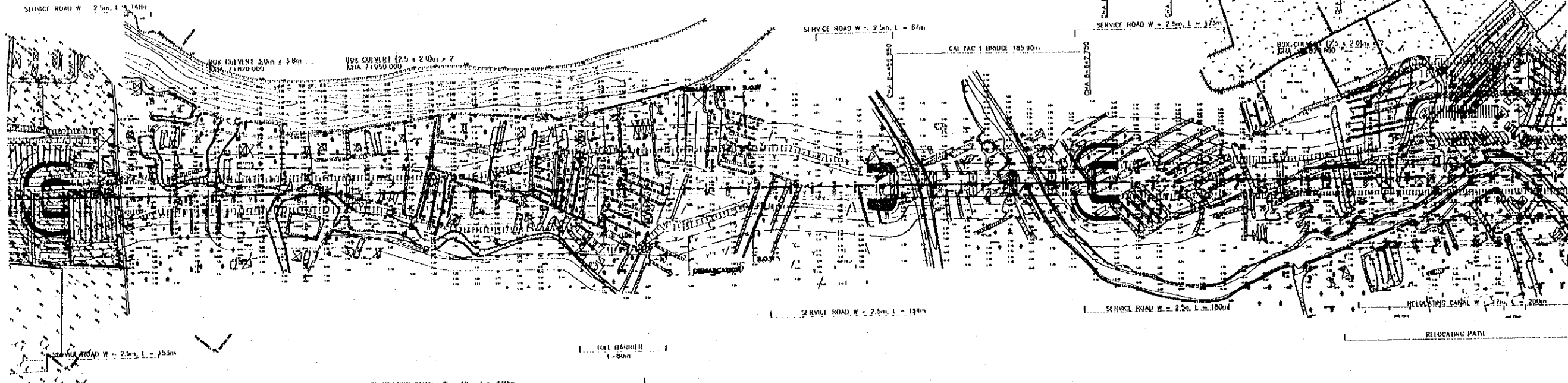
SCALE 1:250



TYPE 3: $H < 3m$

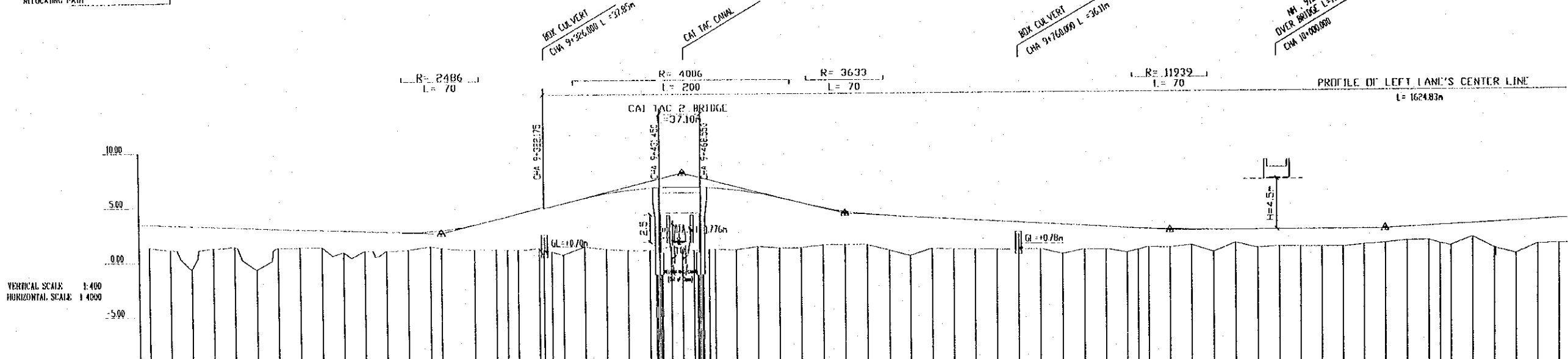
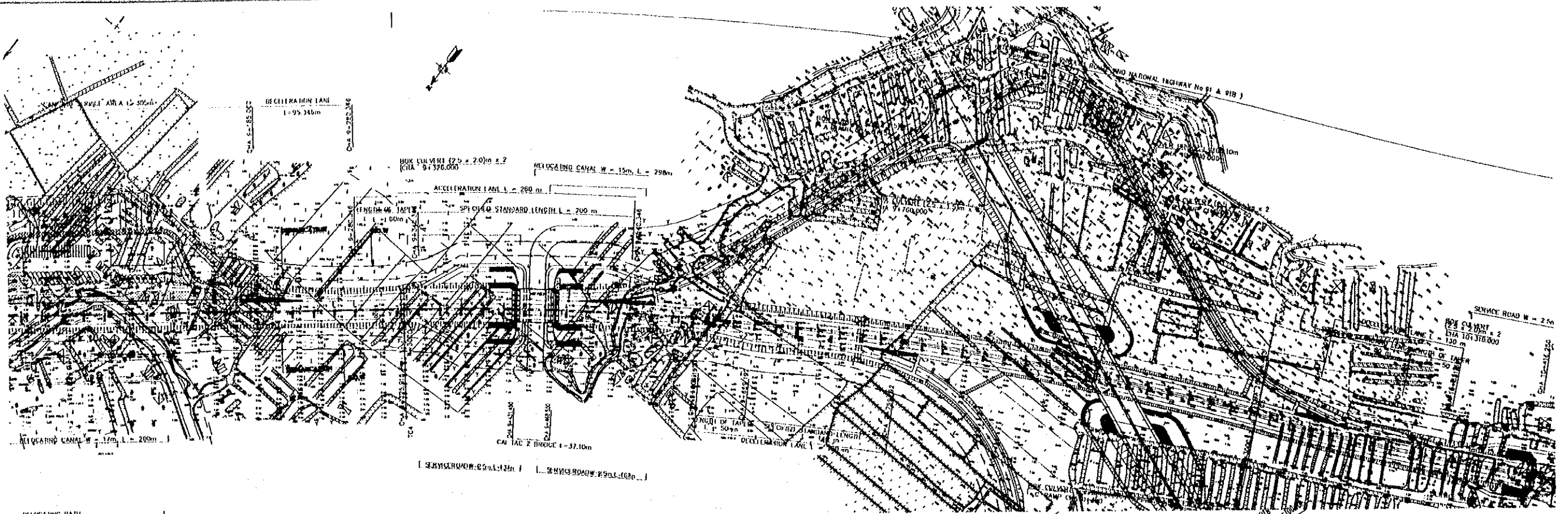
SCALE 1:250

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	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (2/2)	P3/TW/0080

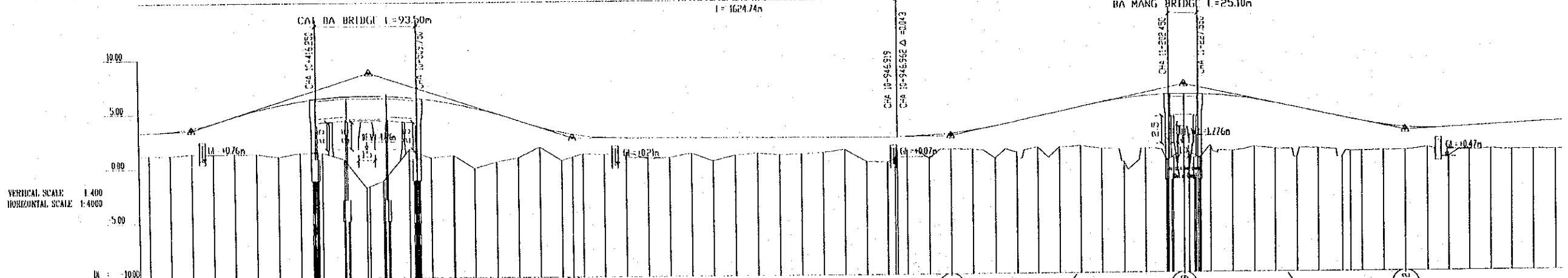
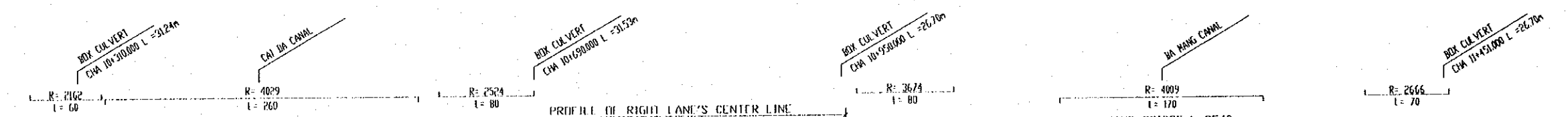
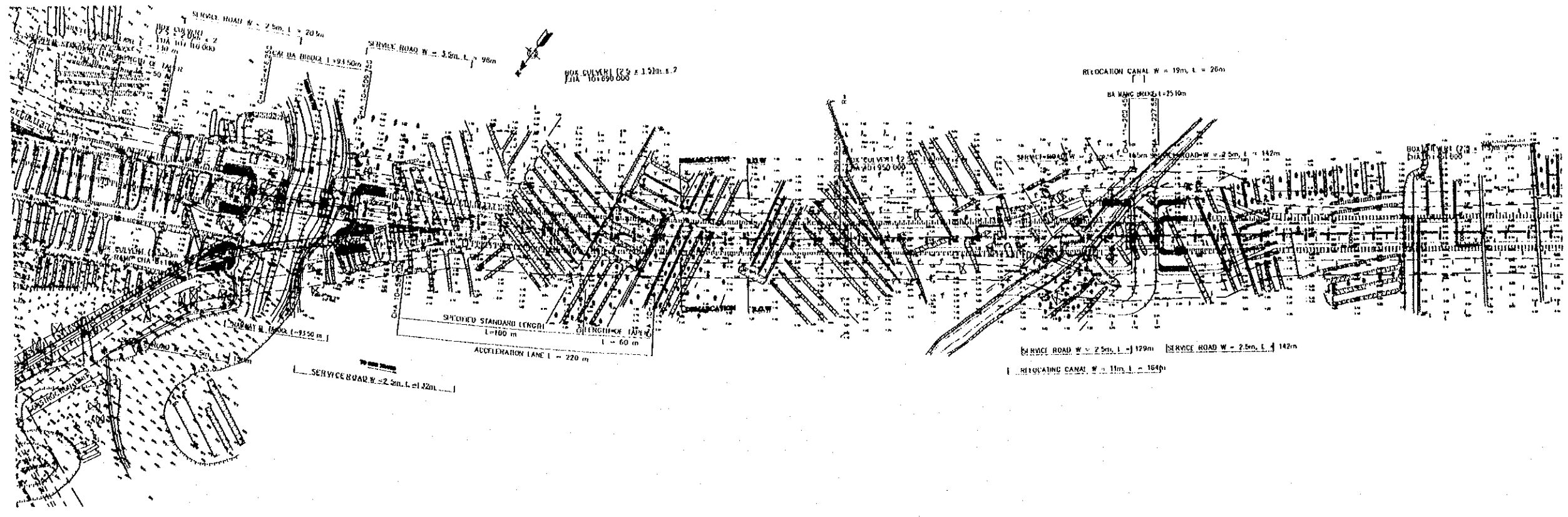


GRADIENT	DESIGN LEVELS (m)	EXISTING LEVEL (m)	DISTANCE (m)	ACCUMULATED DISTANCE (m)	CHAINAGE	CURVE ELEMENT	SUPER ELEVATION
1:4.000%	7.200	6.951	24.9	7.664	7+664	R=0	
1:310.000	6.466	6.466	0	7.664	7+664	R=0	
1:0.596%	5.752	5.752	0	7.710	7+710	R=0	
1:360.000	5.256	5.256	0	7.710	7+710	R=0	
1:0.334%	4.356	4.356	0	7.710	7+710	R=0	
1:207.000	3.456	3.456	0	7.710	7+710	R=0	
1:215.0%	2.556	2.556	0	7.710	7+710	R=0	
1:238.000	1.656	1.656	0	7.710	7+710	R=0	
1:215.0%	0.756	0.756	0	7.710	7+710	R=0	
1:396%	-0.144	-0.144	0	7.710	7+710	R=0	

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 PLAN AND PROFILE KM 7+660 - KM 8+960 (1/8)	DWG. NO. P3/TW/0090

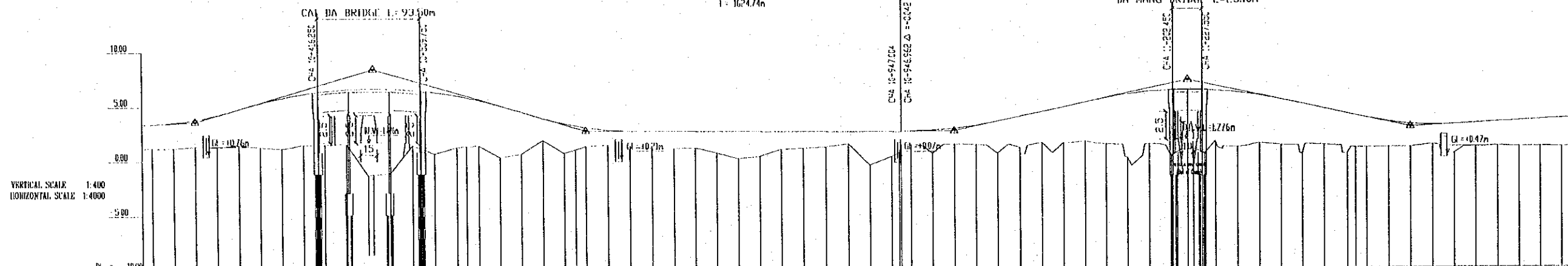
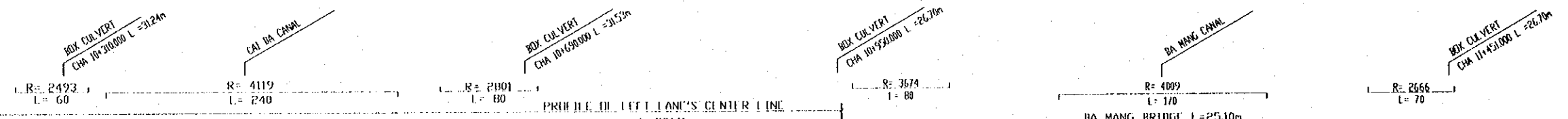
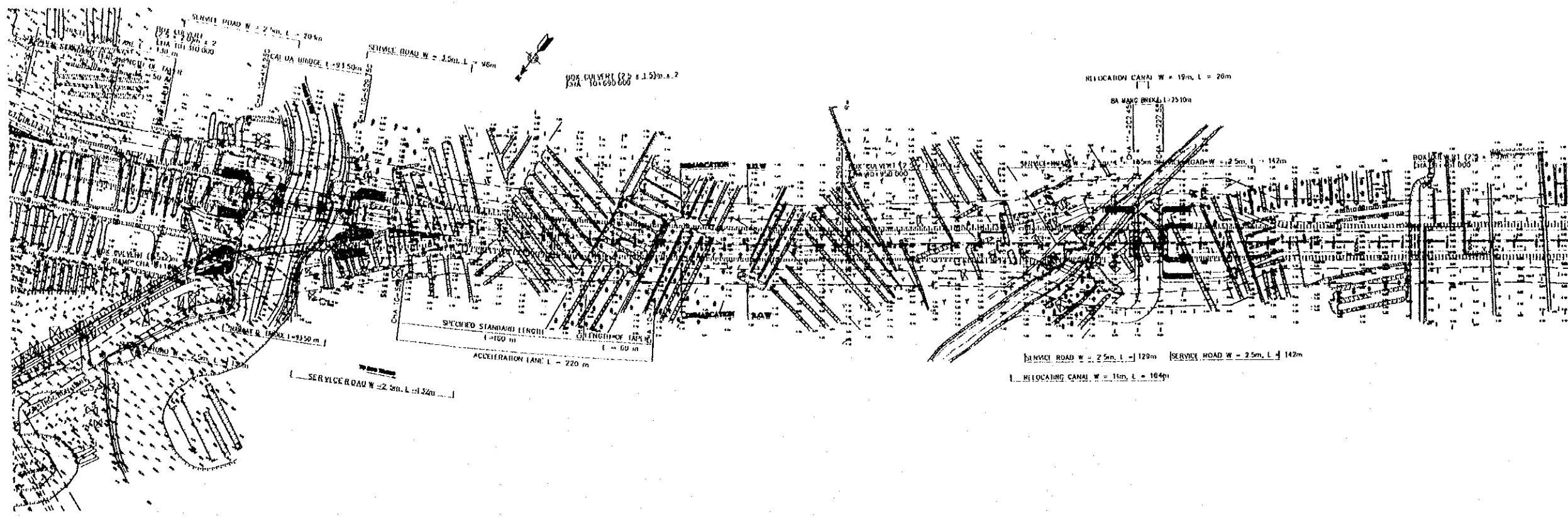


GRADIENT	DESIGN LEVELS (m)	EXISTING LEVEL (m)	DISTANCE (m)	ACCUMULATED DISTANCE (m)	CHAINAGE	CURVE ELEMENT	SUPER ELEVATION
1 = 405.000	3.7 3.46	3.7 3.46	0	0	8+56	R=16	
i = 0.319%	3.56	3.56	20	20	8+76		
	3.36	3.36	40	40	8+96		
	3.16	3.16	60	60	9+16		
	2.96	2.96	80	80	9+36		
	2.76	2.76	100	100	9+56		
	2.56	2.56	120	120	9+76		
	2.36	2.36	140	140	9+96		
	2.16	2.16	160	160	10+16		
	1.96	1.96	180	180	10+36		
	1.76	1.76	200	200	10+56		
	1.56	1.56	220	220	10+76		
	1.36	1.36	240	240	10+96		
	1.16	1.16	260	260	11+16		
	0.96	0.96	280	280	11+36		
	0.76	0.76	300	300	11+56		
	0.56	0.56	320	320	11+76		
	0.36	0.36	340	340	11+96		
	0.16	0.16	360	360	12+16		
	0.00	0.00	380	380	12+36		
	0.16	0.16	400	400	12+56		
	0.36	0.36	420	420	12+76		
	0.56	0.56	440	440	12+96		
	0.76	0.76	460	460	13+16		
	0.96	0.96	480	480	13+36		
	1.16	1.16	500	500	13+56		
	1.36	1.36	520	520	13+76		
	1.56	1.56	540	540	13+96		
	1.76	1.76	560	560	14+16		
	1.96	1.96	580	580	14+36		
	2.16	2.16	600	600	14+56		
	2.36	2.36	620	620	14+76		
	2.56	2.56	640	640	14+96		
	2.76	2.76	660	660	15+16		
	2.96	2.96	680	680	15+36		
	3.16	3.16	700	700	15+56		
	3.36	3.36	720	720	15+76		
	3.56	3.56	740	740	15+96		
	3.76	3.76	760	760	16+16		
	3.96	3.96	780	780	16+36		
	4.16	4.16	800	800	16+56		
	4.36	4.36	820	820	16+76		
	4.56	4.56	840	840	16+96		
	4.76	4.76	860	860	17+16		
	4.96	4.96	880	880	17+36		
	5.16	5.16	900	900	17+56		
	5.36	5.36	920	920	17+76		
	5.56	5.56	940	940	17+96		
	5.76	5.76	960	960	18+16		
	5.96	5.96	980	980	18+36		
	6.16	6.16	1000	1000	18+56		
	6.36	6.36	1020	1020	18+76		
	6.56	6.56	1040	1040	18+96		
	6.76	6.76	1060	1060	19+16		
	6.96	6.96	1080	1080	19+36		
	7.16	7.16	1100	1100	19+56		
	7.36	7.36	1120	1120	19+76		
	7.56	7.56	1140	1140	19+96		
	7.76	7.76	1160	1160	20+16		
	7.96	7.96	1180	1180	20+36		
	8.16	8.16	1200	1200	20+56		
	8.36	8.36	1220	1220	20+76		
	8.56	8.56	1240	1240	20+96		
	8.76	8.76	1260	1260	21+16		
	8.96	8.96	1280	1280	21+36		
	9.16	9.16	1300	1300	21+56		
	9.36	9.36	1320	1320	21+76		
	9.56	9.56	1340	1340	21+96		
	9.76	9.76	1360	1360	22+16		
	9.96	9.96	1380	1380	22+36		
	10.16	10.16	1400	1400	22+56		
	10.36	10.36	1420	1420	22+76		
	10.56	10.56	1440	1440	22+96		
	10.76	10.76	1460	1460	23+16		
	10.96	10.96	1480	1480	23+36		
	11.16	11.16	1500	1500	23+56		
	11.36	11.36	1520	1520	23+76		
	11.56	11.56	1540	1540	23+96		
	11.76	11.76	1560	1560	24+16		
	11.96	11.96	1580	1580	24+36		
	12.16	12.16	1600	1600	24+56		
	12.36	12.36	1620	1620	24+76		
	12.56	12.56	1640	1640	24+96		
	12.76	12.76	1660	1660	25+16		
	12.96	12.96	1680	1680	25+36		
	13.16	13.16	1700	1700	25+56		
	13.36	13.36	1720	1720	25+76		
	13.56	13.56	1740	1740	25+96		
	13.76	13.76	1760	1760	26+16		
	13.96	13.96	1780	1780	26+36		
	14.16	14.16	1800	1800	26+56		
	14.36	14.36	1820	1820	26+76		
	14.56	14.56	1840	1840	26+96		
	14.76	14.76	1860	1860	27+16		
	14.96	14.96	1880	1880	27+36		
	15.16	15.16	1900	1900	27+56		
	15.36	15.36	1920	1920	27+76		
	15.56	15.56	1940	1940	27+96		
	15.76	15.76	1960	1960	28+16		
	15.96	15.96	1980	1980	28+36		
	16.16	16.16	2000	2000	28+56		
	16.36	16.36	2020	2020	28+76		
	16.56	16.56	2040	2040	28+96		
	16.76	16.76	2060	2060	29+16		
	16.96	16.96	2080	2080	29+36		
	17.16	17.16	2100	2100	29+56		
	17.36	17.36	2120	2120	29+76		
	17.56	17.56	2140	2140	29+96		
	17.76	17.76	2160	2160	30+16		
	17.96	17.96	2180	2180	30+36		
	18.16	18.16	2200	2200	30+56		
	18.36	18.36	2220	2220	30+76		
	18.56	18.56	2240	2240	30+96		
	18.76	18.76	2260	2260	31+16		
	18.96	18.96	2280	2280	31+36		
	19.16	19.16	2300	2300	31+56		
	19.36	19.36	2320	2320	31+76		
	19.56	19.56	2340	2340	31+96		
	19.76	19.76	2360	2360	32+16		
	19.96	19.96	2380	2380	32+36		
	20.16	20.16	2400	2400	32+56		
	20.36	20.36	2420	2420	32+76		
	20.56	20.56	2440	2440	32+96		
	20.76	20.76	2460	2460	33+16		
	20.96	20.96	2480	2480	33+36		
	21.16	21.16	2500	2500	33+56		
	21.36	21.36	2520	2520	33+76		
	21.56	21.56	2540	2540	33+96		
	21.76	21.76	2560	2560	34+16		
	21.96	21.96	2580	2580	34+36		
	22.16	22.16	2600	2600	34+56		
	22.36	22.36	2620	2620	34+76		
	22.56	22.56	2640	2640	34+96		
	22.76	22.76	2660	2660	35+16		
	22.96	22.96	2680	2680	35+36		
	23.16	23.16	2700	2700	35+56		
	23.36	23.36	2720	2720	35+76		
	23.56	23.56	2740	2740	35+96		
	23.76	23.76	2760	2760	36+16		
	23.96	23.96	2780	2780	36+36		
	24.16	24.16	2800	2800	36+56		
	24.36	24.36	2820	2820	36+76		
	24.56	24.56	2840	2840	36+96		
	24.76	24.76	2860	2860	37+16		
	24.96	24.96	2880	2880	37+36		
	25.16	25.16	2900	2900	37+56		
	25.36	25.36	2920	2920	37+76		
	25.56	25.56	2940	2940	37+96		
	25.76	25.76	2960	2960	38+16		
	25.96	25.96	2980	2980	38+36		
	26.16	26.16	3000	3000	38+56		
	26.36	26.36	3020	3020	38+76		
	26.56	26.56	3040	3040	38+96		
	26.76	26.76	3060	3060	39+16		
	26.96	26.96	3080	3080	39+36		
	27.16	27.16	3100	3100	39+56		
	27.36	27.36	3120	3120	39+76		
	27.56	27.56	3140	3140	39+96		
	27.76	27.76	3160	3160	40+16		
	27.96	27.96	3180	3180	40+36		
	28						



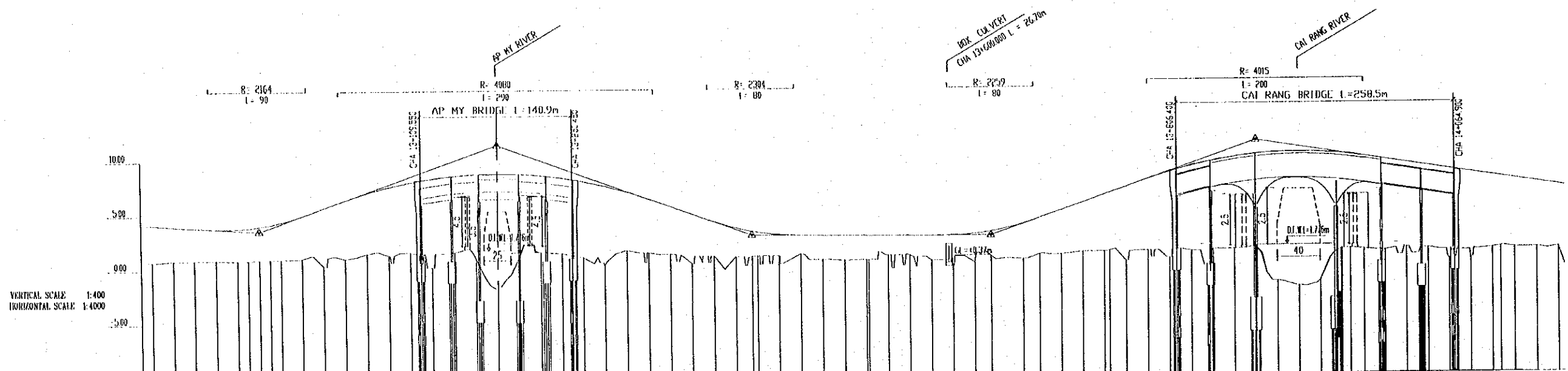
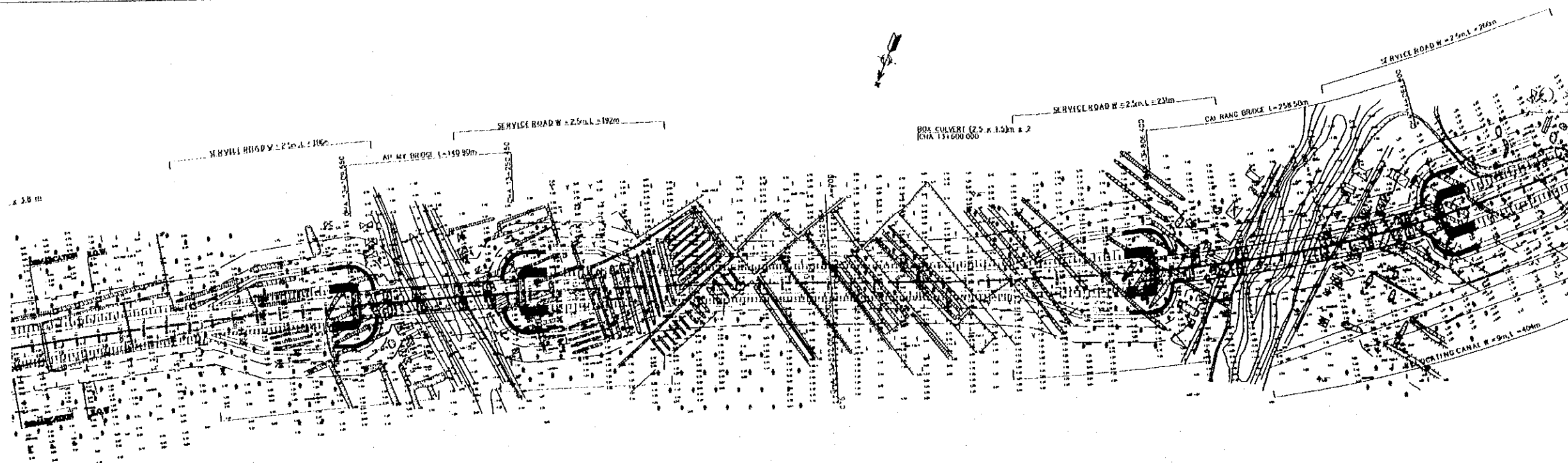
GRADEMENT	DESIGN LEVELS (m)	EXISTING LEVEL (m)	DISTANCE (m)	ACCUMULATED DISTANCE (m)	CHAINAGE	CURVE ELEMENT	SUPER ELEVATION
	11.8 3.316	11.9 3.430	10+000	10+000	10+000		
	11.7 3.457	11.7 3.457	10+1630	10+1630	10+1630		
	11.6 4.166	11.6 4.166	10+3228Z	10+3228Z	10+3228Z		
	11.5 4.782	11.5 4.782	10+4824	10+4824	10+4824		
	11.4 5.343	11.4 5.343	10+6420	10+6420	10+6420		
	11.3 5.898	11.3 5.898	10+8016	10+8016	10+8016		
	11.2 6.457	11.2 6.457	10+9612	10+9612	10+9612		
	11.1 6.430	11.1 6.430	10+11200	10+11200	10+11200		
	11.0 6.594	11.0 6.594	10+12800	10+12800	10+12800		
	10.9 6.655	10.9 6.655	10+14400	10+14400	10+14400		
	10.8 6.666	10.8 6.666	10+16000	10+16000	10+16000		
	10.7 6.624	10.7 6.624	10+17600	10+17600	10+17600		
	10.6 6.490	10.6 6.490	10+19200	10+19200	10+19200		
	10.5 6.256	10.5 6.256	10+20800	10+20800	10+20800		
	10.4 5.924	10.4 5.924	10+22400	10+22400	10+22400		
	10.3 5.596	10.3 5.596	10+24000	10+24000	10+24000		
	10.2 5.268	10.2 5.268	10+25600	10+25600	10+25600		
	10.1 4.940	10.1 4.940	10+27200	10+27200	10+27200		
	10.0 4.612	10.0 4.612	10+28800	10+28800	10+28800		
	9.9 4.284	9.9 4.284	10+30400	10+30400	10+30400		
	9.8 3.956	9.8 3.956	10+32000	10+32000	10+32000		
	9.7 3.628	9.7 3.628	10+33600	10+33600	10+33600		
	9.6 3.300	9.6 3.300	10+35200	10+35200	10+35200		
	9.5 2.972	9.5 2.972	10+36800	10+36800	10+36800		
	9.4 2.644	9.4 2.644	10+38400	10+38400	10+38400		
	9.3 2.316	9.3 2.316	10+40000	10+40000	10+40000		
	9.2 1.988	9.2 1.988	10+41600	10+41600	10+41600		
	9.1 1.660	9.1 1.660	10+43200	10+43200	10+43200		
	9.0 1.332	9.0 1.332	10+44800	10+44800	10+44800		
	8.9 1.004	8.9 1.004	10+46400	10+46400	10+46400		
	8.8 0.676	8.8 0.676	10+48000	10+48000	10+48000		
	8.7 0.348	8.7 0.348	10+49600	10+49600	10+49600		
	8.6 0.020	8.6 0.020	10+51200	10+51200	10+51200		
	8.5 -0.308	8.5 -0.308	10+52800	10+52800	10+52800		
	8.4 -0.636	8.4 -0.636	10+54400	10+54400	10+54400		
	8.3 -0.964	8.3 -0.964	10+56000	10+56000	10+56000		
	8.2 -1.292	8.2 -1.292	10+57600	10+57600	10+57600		
	8.1 -1.620	8.1 -1.620	10+59200	10+59200	10+59200		
	8.0 -1.948	8.0 -1.948	10+60800	10+60800	10+60800		
	7.9 -2.276	7.9 -2.276	10+62400	10+62400	10+62400		
	7.8 -2.604	7.8 -2.604	10+64000	10+64000	10+64000		
	7.7 -2.932	7.7 -2.932	10+65600	10+65600	10+65600		
	7.6 -3.260	7.6 -3.260	10+67200	10+67200	10+67200		
	7.5 -3.588	7.5 -3.588	10+68800	10+68800	10+68800		
	7.4 -3.916	7.4 -3.916	10+70400	10+70400	10+70400		
	7.3 -4.244	7.3 -4.244	10+72000	10+72000	10+72000		
	7.2 -4.572	7.2 -4.572	10+73600	10+73600	10+73600		
	7.1 -4.900	7.1 -4.900	10+75200	10+75200	10+75200		
	7.0 -5.228	7.0 -5.228	10+76800	10+76800	10+76800		
	6.9 -5.556	6.9 -5.556	10+78400	10+78400	10+78400		
	6.8 -5.884	6.8 -5.884	10+80000	10+80000	10+80000		
	6.7 -6.212	6.7 -6.212	10+81600	10+81600	10+81600		
	6.6 -6.540	6.6 -6.540	10+83200	10+83200	10+83200		
	6.5 -6.868	6.5 -6.868	10+84800	10+84800	10+84800		
	6.4 -7.196	6.4 -7.196	10+86400	10+86400	10+86400		
	6.3 -7.524	6.3 -7.524	10+88000	10+88000	10+88000		
	6.2 -7.852	6.2 -7.852	10+89600	10+89600	10+89600		
	6.1 -8.180	6.1 -8.180	10+91200	10+91200	10+91200		
	6.0 -8.508	6.0 -8.508	10+92800	10+92800	10+92800		
	5.9 -8.836	5.9 -8.836	10+94400	10+94400	10+94400		
	5.8 -9.164	5.8 -9.164	10+96000	10+96000	10+96000		
	5.7 -9.492	5.7 -9.492	10+97600	10+97600	10+97600		
	5.6 -9.820	5.6 -9.820	10+99200	10+99200	10+99200		
	5.5 -10.148	5.5 -10.148	10+100800	10+100800	10+100800		
	5.4 -10.476	5.4 -10.476	10+102400	10+102400	10+102400		
	5.3 -10.804	5.3 -10.804	10+104000	10+104000	10+104000		
	5.2 -11.132	5.2 -11.132	10+105600	10+105600	10+105600		
	5.1 -11.460	5.1 -11.460	10+107200	10+107200	10+107200		
	5.0 -11.788	5.0 -11.788	10+108800	10+108800	10+108800		
	4.9 -12.116	4.9 -12.116	10+110400	10+110400	10+110400		
	4.8 -12.444	4.8 -12.444	10+112000	10+112000	10+112000		
	4.7 -12.772	4.7 -12.772	10+113600	10+113600	10+113600		
	4.6 -13.100	4.6 -13.100	10+115200	10+115200	10+115200		
	4.5 -13.428	4.5 -13.428	10+116800	10+116800	10+116800		
	4.4 -13.756	4.4 -13.756	10+118400	10+118400	10+118400		
	4.3 -14.084	4.3 -14.084	10+120000	10+120000	10+120000		
	4.2 -14.412	4.2 -14.412	10+121600	10+121600	10+121600		
	4.1 -14.740	4.1 -14.740	10+123200	10+123200	10+123200		
	4.0 -15.068	4.0 -15.068	10+124800	10+124800	10+124800		
	3.9 -15.396	3.9 -15.396	10+126400	10+126400	10+126400		
	3.8 -15.724	3.8 -15.724	10+128000	10+128000	10+128000		
	3.7 -16.052	3.7 -16.052	10+129600	10+129600	10+129600		
	3.6 -16.380	3.6 -16.380	10+131200	10+131200	10+131200		
	3.5 -16.708	3.5 -16.708	10+132800	10+132800	10+132800		
	3.4 -17.036	3.4 -17.036	10+134400	10+134400	10+134400		
	3.3 -17.364	3.3 -17.364	10+136000	10+136000	10+136000		
	3.2 -17.692	3.2 -17.692	10+137600	10+137600	10+137600		
	3.1 -18.020	3.1 -18.020	10+139200	10+139200	10+139200		
	3.0 -18.348	3.0 -18.348	10+140800	10+140800	10+140800		
	2.9 -18.676	2.9 -18.676	10+142400	10+142400	10+142400		
	2.8 -19.004	2.8 -19.004	10+144000	10+144000	10+144000		
	2.7 -19.332	2.7 -19.332	10+145600	10+145600	10+145600		
	2.6 -19.660	2.6 -19.660	10+147200	10+147200	10+147200		
	2.5 -19.988	2.5 -19.988	10+148800	10+148800	10+148800		
	2.4 -20.316	2.4 -20.316	10+150400	10+150400	10+150400		
	2.3 -20.644	2.3 -20.644	10+152000	10+152000	10+152000		
	2.2 -20.972	2.2 -20.972	10+153600	10+153600	10+153600		
	2.1 -21.300	2.1 -21.300	10+155200	10+155200	10+155200		
	2.0 -21.628	2.0 -21.628	10+156800	10+156800	10+156800		
	1.9 -21.956	1.9 -21.956	10+158400	10+158400	10+158400		
	1.8 -22.284	1.8 -22.284	10+160000	10+160000	10+160000		
	1.7 -22.612	1.7 -22.612	10+161600	10+161600	10+161600		
	1.6 -22.940	1.6 -22.940	10+163200	10+163200	10+163200		
	1.5 -23.268	1.5 -23.268	10+164800	10+164800	10+164800		
	1.4 -23.596	1.4 -23.596	10+166400	10+166400	10+166400		
	1.3 -23.924	1.3 -23.924	10+168000	10+168000	10+168000		
	1.2 -24.252	1.2 -24.252	10+169600	10+169600	10+169600		
	1.1 -24.580	1.1 -24.580	10+171200	10+171200	10+171200		
	1.0 -24.908	1.0 -24.908	10+172800	10+172800	10+172800		
	0.9 -25.236	0.9 -25.236	10+174400	10+174400	10+174400		
	0.8 -25.564	0.8 -25.564	10+176000	10+176000	10+176000		
	0.7 -25.892	0.7 -25.892	10+177600	10+177600	10+177600		
	0.6 -26.220	0.6 -26.220	10+179200	10+179200	10+179200		
	0.5 -26.548	0.5 -26.548	10+180800	10+180800	10+180800		
	0.4 -26.876	0.4 -26.876	10+182400	10+182400	10+182400		
	0.3 -27.204	0.3 -27.204	10+184000	10+184000	10+184000		
	0.2 -27.532	0.2 -27.532	10+185600	10+185600	10+185600		
	0.1 -27.860	0.1 -27.860	10+187200	10+187200	10+187200		
	0.0 -28.188	0.0 -28.188	10+188800	10+188800	10+188800		

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 PLAN AND PROFILE KM 10+260 - KM 11+560 (4/5)	DWG NO. P3/TW/0120
				NAME K. Nemoto	K. Nakai	K. Enomoto		
				SIGNATURE DATE 20/9/2000	29/9/2000	5/10/2000		



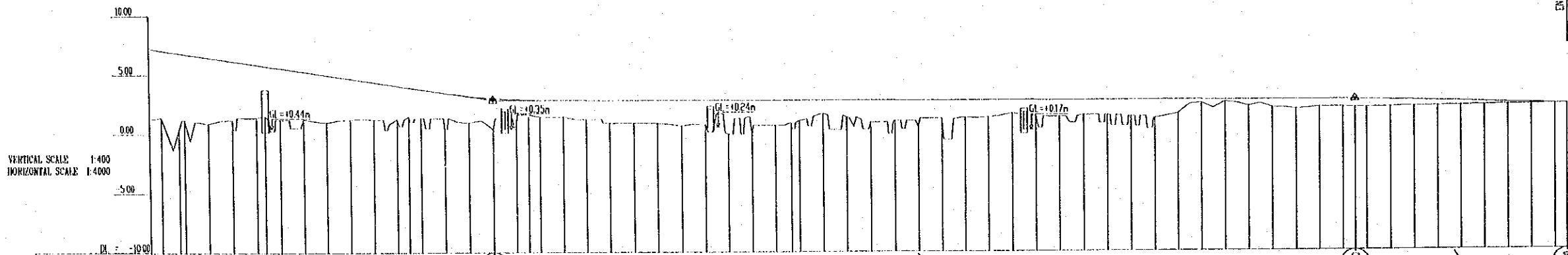
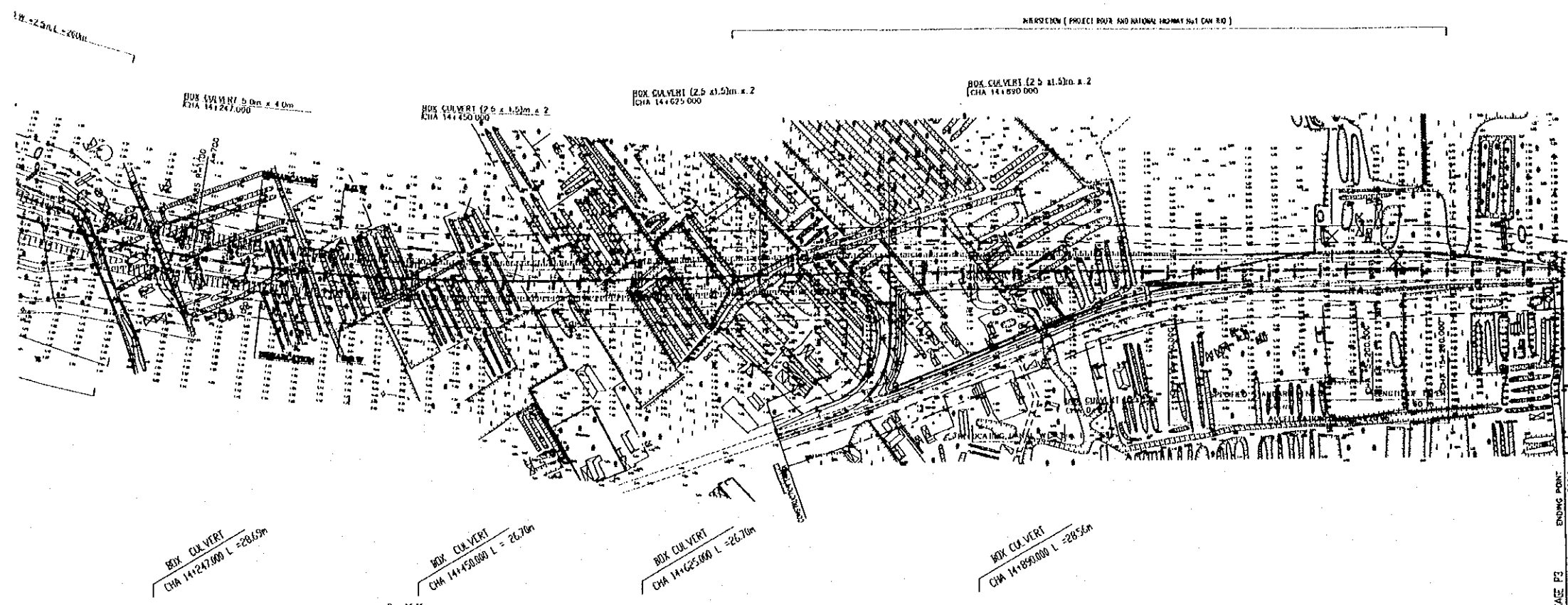
GRADE	DESIGN LEVELS (m)	EXISTING LEVEL (m)	DISTANCE (m)	ACCUMULATED DISTANCE (m)	CURVE ELEMENT	SUPER ELEVATION
1:164.699	1.18, 3.424	1.18, 3.325	0+000 to 0+164.699	0+000 to 0+164.699	1A=164'4" 2" R=300000	
1:2.9142	1.18, 3.325	1.18, 3.325	0+164.699 to 0+167.613	0+164.699 to 0+167.613	1A=164'4" 2" R=300000	
1:195.301	1.18, 3.325	1.18, 3.325	0+167.613 to 0+169.564	0+167.613 to 0+169.564	1A=164'4" 2" R=300000	
1:2.9142	1.18, 3.325	1.18, 3.325	0+169.564 to 0+172.478	0+169.564 to 0+172.478	1A=164'4" 2" R=300000	
1:340.000	1.18, 3.325	1.18, 3.325	0+172.478 to 0+175.388	0+172.478 to 0+175.388	1A=164'4" 2" R=300000	
1:0.0572	1.18, 3.325	1.18, 3.325	0+175.388 to 0+178.298	0+175.388 to 0+178.298	1A=164'4" 2" R=300000	
1:215.000	1.18, 3.325	1.18, 3.325	0+178.298 to 0+181.208	0+178.298 to 0+181.208	1A=164'4" 2" R=300000	
1:2.1202	1.18, 3.325	1.18, 3.325	0+181.208 to 0+184.118	0+181.208 to 0+184.118	1A=164'4" 2" R=300000	
1:205.000	1.18, 3.325	1.18, 3.325	0+184.118 to 0+187.028	0+184.118 to 0+187.028	1A=164'4" 2" R=300000	
1:2.1202	1.18, 3.325	1.18, 3.325	0+187.028 to 0+190.938	0+187.028 to 0+190.938	1A=164'4" 2" R=300000	
2.612	1.18, 3.325	1.18, 3.325	0+190.938 to 0+194.848	0+190.938 to 0+194.848	1A=164'4" 2" R=300000	

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 NIIPPON KOEI CO., LTD.	PREPARED BY NAME: K. Nemoto SIGNATURE: [Signature] DATE: 20/9/2000	CHECKED BY NAME: K. Nakai SIGNATURE: [Signature] DATE: 29/9/2000	APPROVED BY NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	DRAWING TITLE PLAN AND PROFILE KM 10+260 - KM 11+560 (4A/B)	DWG NO. P3/TW/0130



GRADIENT	DESIGN LEVELS (m)	EXISTING LEVEL (m)	DISTANCE (m)	ACCUMULATED DISTANCE (m)	CHAINAGE	CURVE ELEMENT	SUPER ELEVATION
	4.53	4.32	20.00	20.00	12+801.860		
	4.32	4.12	20.00	40.00	12+821.860		
	4.12	3.92	20.00	60.00	12+841.860		
	3.92	3.72	20.00	80.00	12+861.860		
	3.72	3.52	20.00	100.00	12+881.860		
	3.52	3.32	20.00	120.00	12+901.860		
	3.32	3.12	20.00	140.00	12+921.860		
	3.12	2.92	20.00	160.00	12+941.860		
	2.92	2.72	20.00	180.00	12+961.860		
	2.72	2.52	20.00	200.00	12+981.860		
	2.52	2.32	20.00	220.00	13+001.860		
	2.32	2.12	20.00	240.00	13+021.860		
	2.12	1.92	20.00	260.00	13+041.860		
	1.92	1.72	20.00	280.00	13+061.860		
	1.72	1.52	20.00	300.00	13+081.860		
	1.52	1.32	20.00	320.00	13+101.860		
	1.32	1.12	20.00	340.00	13+121.860		
	1.12	0.92	20.00	360.00	13+141.860		
	0.92	0.72	20.00	380.00	13+161.860		
	0.72	0.52	20.00	400.00	13+181.860		
	0.52	0.32	20.00	420.00	13+201.860		
	0.32	0.12	20.00	440.00	13+221.860		
	0.12	0.00	20.00	460.00	13+241.860		
	0.00	-0.20	20.00	480.00	13+261.860		
	-0.20	-0.40	20.00	500.00	13+281.860		
	-0.40	-0.60	20.00	520.00	13+301.860		
	-0.60	-0.80	20.00	540.00	13+321.860		
	-0.80	-1.00	20.00	560.00	13+341.860		
	-1.00	-1.20	20.00	580.00	13+361.860		
	-1.20	-1.40	20.00	600.00	13+381.860		
	-1.40	-1.60	20.00	620.00	13+401.860		
	-1.60	-1.80	20.00	640.00	13+421.860		
	-1.80	-2.00	20.00	660.00	13+441.860		
	-2.00	-2.20	20.00	680.00	13+461.860		
	-2.20	-2.40	20.00	700.00	13+481.860		
	-2.40	-2.60	20.00	720.00	13+501.860		
	-2.60	-2.80	20.00	740.00	13+521.860		
	-2.80	-3.00	20.00	760.00	13+541.860		
	-3.00	-3.20	20.00	780.00	13+561.860		
	-3.20	-3.40	20.00	800.00	13+581.860		
	-3.40	-3.60	20.00	820.00	13+601.860		
	-3.60	-3.80	20.00	840.00	13+621.860		
	-3.80	-4.00	20.00	860.00	13+641.860		
	-4.00	-4.20	20.00	880.00	13+661.860		
	-4.20	-4.40	20.00	900.00	13+681.860		
	-4.40	-4.60	20.00	920.00	13+701.860		
	-4.60	-4.80	20.00	940.00	13+721.860		
	-4.80	-5.00	20.00	960.00	13+741.860		
	-5.00	-5.20	20.00	980.00	13+761.860		
	-5.20	-5.40	20.00	1000.00	13+781.860		
	-5.40	-5.60	20.00	1020.00	13+801.860		
	-5.60	-5.80	20.00	1040.00	13+821.860		
	-5.80	-6.00	20.00	1060.00	13+841.860		
	-6.00	-6.20	20.00	1080.00	13+861.860		
	-6.20	-6.40	20.00	1100.00	13+881.860		
	-6.40	-6.60	20.00	1120.00	13+901.860		
	-6.60	-6.80	20.00	1140.00	13+921.860		
	-6.80	-7.00	20.00	1160.00	13+941.860		
	-7.00	-7.20	20.00	1180.00	13+961.860		
	-7.20	-7.40	20.00	1200.00	13+981.860		
	-7.40	-7.60	20.00	1220.00	14+001.860		
	-7.60	-7.80	20.00	1240.00	14+021.860		
	-7.80	-8.00	20.00	1260.00	14+041.860		
	-8.00	-8.20	20.00	1280.00	14+061.860		
	-8.20	-8.40	20.00	1300.00	14+081.860		
	-8.40	-8.60	20.00	1320.00	14+101.860		
	-8.60	-8.80	20.00	1340.00	14+121.860		
	-8.80	-9.00	20.00	1360.00	14+141.860		
	-9.00	-9.20	20.00	1380.00	14+161.860		
	-9.20	-9.40	20.00	1400.00	14+181.860		
	-9.40	-9.60	20.00	1420.00	14+201.860		
	-9.60	-9.80	20.00	1440.00	14+221.860		
	-9.80	-10.00	20.00	1460.00	14+241.860		
	-10.00	-10.20	20.00	1480.00	14+261.860		
	-10.20	-10.40	20.00	1500.00	14+281.860		
	-10.40	-10.60	20.00	1520.00	14+301.860		
	-10.60	-10.80	20.00	1540.00	14+321.860		
	-10.80	-11.00	20.00	1560.00	14+341.860		
	-11.00	-11.20	20.00	1580.00	14+361.860		
	-11.20	-11.40	20.00	1600.00	14+381.860		
	-11.40	-11.60	20.00	1620.00	14+401.860		
	-11.60	-11.80	20.00	1640.00	14+421.860		
	-11.80	-12.00	20.00	1660.00	14+441.860		
	-12.00	-12.20	20.00	1680.00	14+461.860		
	-12.20	-12.40	20.00	1700.00	14+481.860		
	-12.40	-12.60	20.00	1720.00	14+501.860		
	-12.60	-12.80	20.00	1740.00	14+521.860		
	-12.80	-13.00	20.00	1760.00	14+541.860		
	-13.00	-13.20	20.00	1780.00	14+561.860		
	-13.20	-13.40	20.00	1800.00	14+581.860		
	-13.40	-13.60	20.00	1820.00	14+601.860		
	-13.60	-13.80	20.00	1840.00	14+621.860		
	-13.80	-14.00	20.00	1860.00	14+641.860		
	-14.00	-14.20	20.00	1880.00	14+661.860		
	-14.20	-14.40	20.00	1900.00	14+681.860		
	-14.40	-14.60	20.00	1920.00	14+701.860		
	-14.60	-14.80	20.00	1940.00	14+721.860		
	-14.80	-15.00	20.00	1960.00	14+741.860		
	-15.00	-15.20	20.00	1980.00	14+761.860		
	-15.20	-15.40	20.00	2000.00	14+781.860		

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.	NAME	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE PLAN AND PROFILE KM 12+860 - KM 14+160 (7/8)	DWG NO. P3/TW/0150
				SIGNATURE	K. Nemoto	K. Nakai	K. Enomoto		
				DATE	20/9/2000	29/9/2000	5/10/2000		



GRADIENT	DESIGN LEVELS (m)	EXISTING LEVEL (m)	DISTANCE (m)	ACCUMULATED DISTANCE (m)	CHAINAGE	CURVE ELEMENT	SUPER ELEVATION
	7.045	1.41	14+150.000	14+150.000	14+150.000		
	6.887	1.25	14+155.000	14+155.000	14+155.000		
	6.745	1.11	14+160.000	14+160.000	14+160.000		
	6.440	0.87	14+165.000	14+165.000	14+165.000		
	6.136	0.56	14+170.000	14+170.000	14+170.000		
	5.831	0.25	14+175.000	14+175.000	14+175.000		
	5.527	0.01	14+180.000	14+180.000	14+180.000		
	5.222	-0.28	14+185.000	14+185.000	14+185.000		
	4.918	-0.58	14+190.000	14+190.000	14+190.000		
	4.613	-0.88	14+195.000	14+195.000	14+195.000		
	4.309	-1.18	14+200.000	14+200.000	14+200.000		
	4.004	-1.48	14+205.000	14+205.000	14+205.000		
	3.700	-1.78	14+210.000	14+210.000	14+210.000		
	3.395	-2.08	14+215.000	14+215.000	14+215.000		
	3.115	-2.36	14+220.000	14+220.000	14+220.000		
	2.762	-2.71	14+225.000	14+225.000	14+225.000		
	2.805	-2.66	14+230.000	14+230.000	14+230.000		
	2.782	-2.68	14+235.000	14+235.000	14+235.000		
	2.776	-2.68	14+240.000	14+240.000	14+240.000		
	2.771	-2.68	14+245.000	14+245.000	14+245.000		
	2.766	-2.68	14+250.000	14+250.000	14+250.000		
	2.761	-2.68	14+255.000	14+255.000	14+255.000		
	2.755	-2.68	14+260.000	14+260.000	14+260.000		
	2.750	-2.68	14+265.000	14+265.000	14+265.000		
	2.745	-2.68	14+270.000	14+270.000	14+270.000		
	2.740	-2.68	14+275.000	14+275.000	14+275.000		
	2.735	-2.68	14+280.000	14+280.000	14+280.000		
	2.730	-2.68	14+285.000	14+285.000	14+285.000		
	2.725	-2.68	14+290.000	14+290.000	14+290.000		
	2.720	-2.68	14+295.000	14+295.000	14+295.000		
	2.715	-2.68	14+300.000	14+300.000	14+300.000		
	2.710	-2.68	14+305.000	14+305.000	14+305.000		
	2.704	-2.68	14+310.000	14+310.000	14+310.000		
	2.699	-2.68	14+315.000	14+315.000	14+315.000		
	2.694	-2.68	14+320.000	14+320.000	14+320.000		
	2.689	-2.68	14+325.000	14+325.000	14+325.000		
	2.684	-2.68	14+330.000	14+330.000	14+330.000		
	2.679	-2.68	14+335.000	14+335.000	14+335.000		
	2.674	-2.68	14+340.000	14+340.000	14+340.000		
	2.669	-2.68	14+345.000	14+345.000	14+345.000		
	2.664	-2.68	14+350.000	14+350.000	14+350.000		
	2.659	-2.68	14+355.000	14+355.000	14+355.000		
	2.654	-2.68	14+360.000	14+360.000	14+360.000		
	2.648	-2.68	14+365.000	14+365.000	14+365.000		
	2.643	-2.68	14+370.000	14+370.000	14+370.000		
	2.638	-2.68	14+375.000	14+375.000	14+375.000		
	2.633	-2.68	14+380.000	14+380.000	14+380.000		
	2.628	-2.68	14+385.000	14+385.000	14+385.000		
	2.623	-2.68	14+390.000	14+390.000	14+390.000		
	2.618	-2.68	14+395.000	14+395.000	14+395.000		
	2.613	-2.68	14+400.000	14+400.000	14+400.000		
	2.608	-2.68	14+405.000	14+405.000	14+405.000		
	2.603	-2.68	14+410.000	14+410.000	14+410.000		
	2.598	-2.68	14+415.000	14+415.000	14+415.000		
	2.593	-2.68	14+420.000	14+420.000	14+420.000		
	2.588	-2.68	14+425.000	14+425.000	14+425.000		
	2.583	-2.68	14+430.000	14+430.000	14+430.000		
	2.578	-2.68	14+435.000	14+435.000	14+435.000		
	2.573	-2.68	14+440.000	14+440.000	14+440.000		
	2.568	-2.68	14+445.000	14+445.000	14+445.000		
	2.563	-2.68	14+450.000	14+450.000	14+450.000		
	2.558	-2.68	14+455.000	14+455.000	14+455.000		
	2.553	-2.68	14+460.000	14+460.000	14+460.000		
	2.548	-2.68	14+465.000	14+465.000	14+465.000		
	2.543	-2.68	14+470.000	14+470.000	14+470.000		
	2.538	-2.68	14+475.000	14+475.000	14+475.000		
	2.533	-2.68	14+480.000	14+480.000	14+480.000		
	2.528	-2.68	14+485.000	14+485.000	14+485.000		
	2.523	-2.68	14+490.000	14+490.000	14+490.000		
	2.518	-2.68	14+495.000	14+495.000	14+495.000		
	2.513	-2.68	14+500.000	14+500.000	14+500.000		
	2.508	-2.68	14+505.000	14+505.000	14+505.000		
	2.503	-2.68	14+510.000	14+510.000	14+510.000		
	2.498	-2.68	14+515.000	14+515.000	14+515.000		
	2.493	-2.68	14+520.000	14+520.000	14+520.000		
	2.488	-2.68	14+525.000	14+525.000	14+525.000		
	2.483	-2.68	14+530.000	14+530.000	14+530.000		
	2.478	-2.68	14+535.000	14+535.000	14+535.000		
	2.473	-2.68	14+540.000	14+540.000	14+540.000		
	2.468	-2.68	14+545.000	14+545.000	14+545.000		
	2.463	-2.68	14+550.000	14+550.000	14+550.000		
	2.458	-2.68	14+555.000	14+555.000	14+555.000		
	2.453	-2.68	14+560.000	14+560.000	14+560.000		
	2.448	-2.68	14+565.000	14+565.000	14+565.000		
	2.443	-2.68	14+570.000	14+570.000	14+570.000		
	2.438	-2.68	14+575.000	14+575.000	14+575.000		
	2.433	-2.68	14+580.000	14+580.000	14+580.000		
	2.428	-2.68	14+585.000	14+585.000	14+585.000		
	2.423	-2.68	14+590.000	14+590.000	14+590.000		
	2.418	-2.68	14+595.000	14+595.000	14+595.000		
	2.413	-2.68	14+600.000	14+600.000	14+600.000		
	2.408	-2.68	14+605.000	14+605.000	14+605.000		
	2.403	-2.68	14+610.000	14+610.000	14+610.000		
	2.398	-2.68	14+615.000	14+615.000	14+615.000		
	2.393	-2.68	14+620.000	14+620.000	14+620.000		
	2.388	-2.68	14+625.000	14+625.000	14+625.000		
	2.383	-2.68	14+630.000	14+630.000	14+630.000		
	2.378	-2.68	14+635.000	14+635.000	14+635.000		
	2.373	-2.68	14+640.000	14+640.000	14+640.000		
	2.368	-2.68	14+645.000	14+645.000	14+645.000		
	2.363	-2.68	14+650.000	14+650.000	14+650.000		
	2.358	-2.68	14+655.000	14+655.000	14+655.000		
	2.353	-2.68	14+660.000	14+660.000	14+660.000		
	2.348	-2.68	14+665.000	14+665.000	14+665.000		
	2.343	-2.68	14+670.000	14+670.000	14+670.000		
	2.338	-2.68	14+675.000	14+675.000	14+675.000		
	2.333	-2.68	14+680.000	14+680.000	14+680.000		
	2.328	-2.68	14+685.000	14+685.000	14+685.000		
	2.323	-2.68	14+690.000	14+690.000	14+690.000		
	2.318	-2.68	14+695.000	14+695.000	14+695.000		
	2.313	-2.68	14+700.000	14+700.000	14+700.000		
	2.308	-2.68	14+705.000	14+705.000	14+705.000		
	2.303	-2.68	14+710.000	14+710.000	14+710.000		
	2.298	-2.68	14+715.000	14+715.000	14+715.000		
	2.293	-2.68	14+720.000	14+720.000	14+720.000		
	2.288	-2.68	14+725.000	14+725.000	14+725.000		
	2.283	-2.68	14+730.000	14+730.000	14+730.000		
	2.278	-2.68	14+735.000	14+735.000	14+735.000		
	2.273	-2.68	14+740.000	14+740.000	14+740.000		
	2.268	-2.68	14+745.000	14+745.000	14+745.000		
	2.263	-2.68	14+750.000	14+750.000	14+750.000		
	2.258	-2.68	14+755.000	14+755.000	14+755.000		
	2.253	-2.68	14+760.000	14+760.000	14+760.000		
	2.248	-2.68	14+765.000	14+765.000	14+765.000		
	2.243	-2.68	14+770.000	14+770.000	14+770.000		
	2.238	-2.68	14+775.000	14+775.000	14+775.000		
	2.233	-2.68	14+780.000	14+780.000	14+780.000		
	2.228	-2.68	14+785.000	14+785.000	14+785.000		
	2.223	-2.68	14+790.000	14+790.000	14+790.000		
	2.218	-2.68	14+795.000	14+795.000	14+795.000		
	2.213	-2.68	14+800.000	14+800.000	14+800.000		
	2.208	-2.					