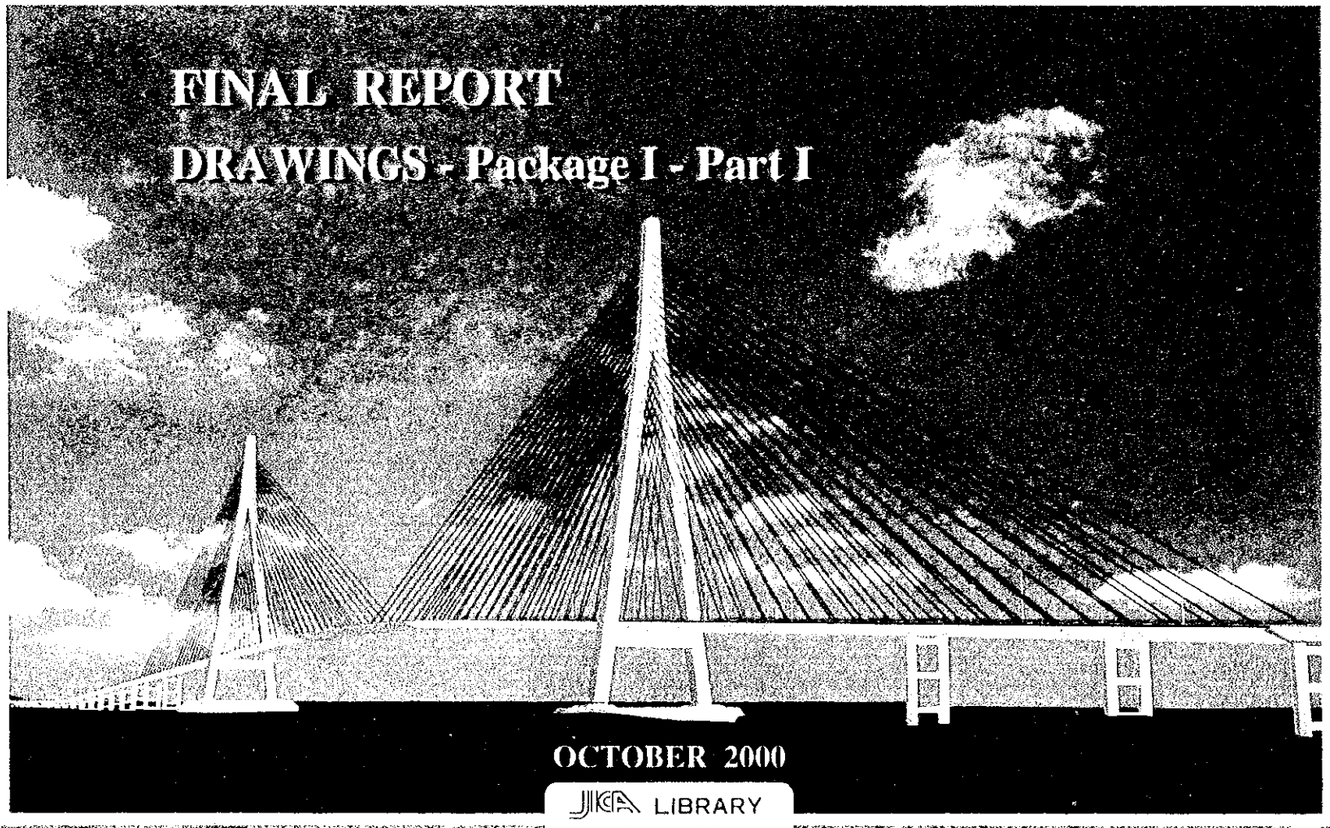
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
MINISTRY OF TRANSPORT
SOCIALIST REPUBLIC OF VIET NAM

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



OCTOBER 2000

NIPPON KOEI CO., LTD.

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 I - Part I

OCTOBER 2000

NIPPON KOEI CO., LTD.

PACKAGE I (PART - 1)

P1/GE	GENERAL
P1/TW	THROUGHWAY
P1/IC1	INTERCHANGE NO.1 (NH NO.1)
P1/IC2	INTERCHANGE NO2 (NH NO.54)
P1/SA	VINH LONG SERVICE AREA
P1/BC	DRAINAGE SYSTEM
P1/SGT	EMBANKMENT AND SOFT GROUND TREATMENT
P1/LS	LIGHTING SYSTEM
P1/MS	MISCELLANEOUS

DRAWING LIST (1/3)

DRAWING NO.	DRAWING TITLE
P1/GE	GENERAL
P1/GE/0010	KEY MAP AND LAYOUT PLAN
P1/GE/0020	ABBREVIATIONS AND SYMBOLS
P1/GE/0030	LEGEND
P1/GE/0040	GENERAL NOTES
P1/TW	THROUGHWAY
P1/TW/0010	DETAIL OF GEOMETRIC DESIGN
P1/TW/0020	SUPERELEVATION DIAGRAMS
P1/TW/0030	ALIGNMENT LAYOUT AND GEOMETRIC DATA
P1/TW/0040	TRAVERSE NETWORK OF SURVEY CONTROLS KM0+500 - KM2+700 (1/2)
P1/TW/0050	TRAVERSE NETWORK OF SURVEY CONTROLS KM2+700 - KM4+910 (2/2)
P1/TW/0060	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (1/2)
P1/TW/0070	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (2/2)
P1/TW/0080	PLAN AND PROFILE KM0+500 - KM0+860 (1/4)
P1/TW/0090	PLAN AND PROFILE KM0+860 - KM2+220 (2/4)
P1/TW/0100	PLAN AND PROFILE KM2+220 - KM3+580 (3/4)
P1/TW/0110	PLAN AND PROFILE KM3+580 - KM4+940 (4/4)
P1/IC1	INTERCHANGE NO.1 (NH NO.1)
P1/IC1/0010	ALIGNMENT LAYOUT AND GEOMETRIC DATA
P1/IC1/0020	PLAN (1/2)
P1/IC1/0030	PLAN (2/2)
P1/IC1/0040	PROFILE OF "A" RAMP (1/2)
P1/IC1/0050	PROFILE OF "A" RAMP (2/2)
P1/IC1/0060	PROFILE OF "B" RAMP (1/2)
P1/IC1/0070	PROFILE OF "B" RAMP (2/2)
P1/IC1/0080	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE
P1/IC1/0090	DETAIL OF RAMP TERMINAL
P1/IC1/0100	DETAIL OF INTERSECTION (1/2)
P1/IC1/0110	DETAIL OF INTERSECTION (2/2)
P1/IC2	INTERCHANGE NO.2 (NH NO.54)
P1/IC2/0010	ALIGNMENT LAYOUT AND GEOMETRIC DATA
P1/IC2/0020	PLAN
P1/IC2/0030	PROFILE OF "A" RAMP
P1/IC2/0040	PROFILE OF "B" RAMP
P1/IC2/0050	PROFILE OF "C" RAMP
P1/IC2/0060	PROFILE OF " D" RAMP
P1/IC2/0070	PROFILE OF NATIONAL HIGHWAY NO.54
P1/IC2/0080	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE
P1/IC2/0090	DETAIL OF RAMP TERMINAL (1/3)
P1/IC2/0100	DETAIL OF RAMP TERMINAL (2/3)
P1/IC2/0110	DETAIL OF RAMP TERMINAL (3/3)
P1/IC2/0120	DETAIL OF INTERSECTION (1/3)
P1/IC2/0130	DETAIL OF INTERSECTION (2/3)
P1/IC2/0140	DETAIL OF INTERSECTION (3/3)

DRAWING NO.	DRAWING TITLE
P1/SA	VINH LONG SERVICE AREA
P1/SA/0010	ALIGNMENT LAYOUT AND GEOMETRIC DATA
P1/SA/0020	PLAN
P1/SA/0030	PROFILE OF RAMP
P1/SA/0040	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE
P1/SA/0050	DETAIL OF RAMP TERMINAL (1/2)
P1/SA/0060	DETAIL OF RAMP TERMINAL (2/2)
P1/SA/0070	ISLAND'S LAYOUT AND GEOMETRIC DATA
P1/SA/0080	PLAN LAYOUT FOR DRAINAGE SYSTEM
P1/SA/0090	STRUCTURAL OF STORM WATER SYSTEM (1/3)
P1/SA/0100	STRUCTURAL OF STORM WATER SYSTEM (2/3)
P1/SA/0110	STRUCTURAL OF STORM WATER SYSTEM (3/3)
P1/SA/0120	REINFORCED CONCRETE PIPE Φ400
P1/SA/0130	REINFORCED CONCRETE PIPE Φ500
P1/BC	DRAINAGE SYSTEM
P1/BC/0010	DRAWING LIST
P1/BC/0020	ABBREVIATIONS AND SYMBOLS
P1/BC/0030	STRUCTURAL NOTES
P1/BC/0040	CULVERT SCHEDULE
P1/BC/0050	GENERAL VIEW OF R.C.P CULVERT STATION 0+051.80
P1/BC/0060	GENERAL VIEW OF WING WALL STATION 0+051.080
P1/BC/0070	REINFORCEMENT OF WING WALL STATION 0+051.80
P1/BC/0080	REINFORCEMENT OF HEAD WALL STATION 0+051.80
P1/BC/0090	REINFORCEMENT OF PIPE SEGMENT - 1.50M DIAMETER STATION 0+051.80
P1/BC/0100	REINFORCEMENT OF CRADLE - R.C.P 1.50M DIAMETER STATION 0+051.80
P1/BC/0110	GENERAL VIEW OF BOX CULVERT STATION 0+183.70
P1/BC/0120	GENERAL VIEW OF WING WALL STATION 0+183.70
P1/BC/0130	REINFORCEMENT OF WING WALL STATION 0+183.70
P1/BC/0140	REINFORCEMENT OF CULVERT STATION 0+183.70 - SHEET 1
P1/BC/0150	REINFORCEMENT OF CULVERT STATION 0+183.70 - SHEET 2
P1/BC/0160	GENERAL VIEW OF BOX CULVERT STATION 0+369.50
P1/BC/0170	GENERAL VIEW OF WING WALL STATION 0+369.50
P1/BC/0180	REINFORCEMENT OF WING WALL TYPE I STATION 0+369.50
P1/BC/0190	REINFORCEMENT OF WING WALL TYPE II STATION 0+369.50
P1/BC/0200	REINFORCEMENT OF CULVERT STATION 0+369.50 -SHEET 1
P1/BC/0210	REINFORCEMENT OF CULVERT STATION 0+369.50 -SHEET 2
P1/BC/0220	GENERAL VIEW OF BOX CULVERT STATION 1+063.20
P1/BC/0230	GENERAL VIEW OF WING WALL STATION 1+063.20
P1/BC/0240	REINFORCEMENT OF WING WALL TYPE I STATION 1+063.20
P1/BC/0250	REINFORCEMENT OF WING WALL TYPE II STATION 1+063.20
P1/BC/0260	REINFORCEMENT OF WING WALL TYPE III STATION 1+063.20
P1/BC/0270	REINFORCEMENT OF CULVERT STATION 1+063.20
P1/BC/0280	REINFORCEMENT OF RETAINING WALL STATION 1+063.20
P1/BC/0290	GENERAL VIEW OF BOX CULVERT STATION 1+300
P1/BC/0300	REINFORCEMENT OF CULVERT STATION 1+300
P1/BC/0310	GENERAL VIEW OF BOX CULVERT STATION 1+560
P1/BC/0320	GENERAL VIEW OF WING WALL STATION 1+560
P1/BC/0330	REINFORCEMENT OF WING WALL STATION 1+560

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	GENERAL DRAWING LIST (1/3)	P1/PA1/010
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

DRAWING LIST (2/3)

DRAWING NO.	DRAWING TITLE
P1/BC/0340	REINFORCEMENT OF CULVERT STATION 1+560
P1/BC/0350	GENERAL VIEW OF BOX CULVERT STATION 2+150
P1/BC/0360	GENERAL VIEW OF WING WALL STATION 2+150
P1/BC/0370	REINFORCEMENT OF WING WALL STATION 2+150
P1/BC/0380	REINFORCEMENT OF CULVERT STATION 2+150
P1/BC/0390	GENERAL VIEW OF BOX CULVERT STATION 2+620
P1/BC/0400	GENERAL VIEW OF WING WALL STATION 2+620
P1/BC/0410	REINFORCEMENT OF WING WALL TYPE I STATION 2+620
P1/BC/0420	REINFORCEMENT OF WING WALL TYPE II STATION 2+620
P1/BC/0430	REINFORCEMENT OF WING WALL TYPE III STATION 2+620
P1/BC/0440	REINFORCEMENT OF CULVERT STATION 2+620
P1/BC/0450	REINFORCEMENT OF RETAINING WALL STATION 2+620
P1/BC/0460	GENERAL VIEW OF BOX CULVERT STATION 2+835
P1/BC/0470	REINFORCEMENT OF CULVERT STATION 2+835
P1/BC/0480	GENERAL VIEW OF BOX CULVERT STATION 3+170
P1/BC/0490	REINFORCEMENT OF CULVERT STATION 3+170
P1/BC/0500	GENERAL VIEW OF BOX CULVERT STATION 4+125
P1/BC/0510	REINFORCEMENT OF CULVERT STATION 4+125
P1/BC/0520	GENERAL VIEW OF BOX CULVERT STATION 4+318
P1/BC/0530	GENERAL VIEW OF WING WALL STATION 4+318
P1/BC/0540	REINFORCEMENT OF WING WALL STATION 4+318
P1/BC/0550	REINFORCEMENT OF CULVERT STATION 4+318 - SHEET 1
P1/BC/0560	REINFORCEMENT OF CULVERT STATION 4+318 - SHEET 2
P1/BC/0570	GENERAL VIEW OF BOX CULVERT STATION 4+640
P1/BC/0580	GENERAL VIEW OF WING WALL STATION 4+640
P1/BC/0590	REINFORCEMENT OF WING WALL TYPE I STATION 4+640
P1/BC/0600	REINFORCEMENT OF WING WALL TYPE II STATION 4+640
P1/BC/0610	REINFORCEMENT OF WING WALL TYPE III STATION 4+640 - SHEET 1
P1/BC/0620	REINFORCEMENT OF WING WALL TYPE III STATION 4+640 - SHEET 2
P1/BC/0630	REINFORCEMENT OF CULVERT STATION 4+640
P1/BC/0640	REINFORCEMENT OF RETAINING WALL STATION 4+640
P1/BC/0650	GENERAL VIEW OF BOX CULVERT - INTERCHANGE 2 RAMP "D" STATION 0+300
P1/BC/0660	REINFORCEMENT OF CULVERT - INTERCHANGE 2 RAMP "D" STATION 0+300
P1/BC/0670	DETAIL OF CONNECTION JOINT AND CONNECTION BETWEEN BOX AND WING WALL
P1/BC/0680	TOTAL QUANTITIES TABLE OF ALL CULVERTS
P1/SGT	EMBANKMENT AND SOFT GROUND TREATMENT
P1/SGT/0010	SOFT GROUND TREATMENT - GENERAL NOTES
P1/SGT/0020	DESIGN SEGMENT OF SOFT GROUND TREATMENT
P1/SGT/0030	GEOLOGICAL PROFILE KM 0+000 - KM0+880 (1/5)
P1/SGT/0040	GEOLOGICAL PROFILE KM 0+880 - KM2+000 (2/5)
P1/SGT/0050	GEOLOGICAL PROFILE KM 2+000 - KM3+000 (3/5)
P1/SGT/0060	GEOLOGICAL PROFILE KM 3+000 - KM4+000 (4/5)
P1/SGT/0070	GEOLOGICAL PROFILE KM 4+000 - KM5+000 (5/5)
P1/SGT/0080	SUMMARY OF SOIL TEST BOREHOLES BR-D-1, ... BR D-5 (1/2)
P1/SGT/0090	SUMMARY OF SOIL TEST BOREHOLES BR-D-6, ... BR D-9 (2/2)
P1/SGT/0100	TYPICAL CROSS SECTIONS AND STAGE CONSTRUCTION PROGRAM
P1/SGT/0110	PLAN OF PVD (1/5)
P1/SGT/0120	PLAN OF PVD (2/5)

DRAWING NO.	DRAWING TITLE
P1/SGT/0130	PLAN OF PVD (3/5)
P1/SGT/0140	PLAN OF PVD (4/5)
P1/SGT/0150	PLAN OF PVD (5/5)
P1/SGT/0160	LARGE TRA VA BRIDGE - PRELOADING AT ABUTMENT A1
P1/SGT/0170	LARGE TRA VA BRIDGE - PRELOADING AT ABUTMENT A2
P1/SGT/0180	SMALL TRA VA BRIDGE - PRELOADING AT ABUTMENT A1
P1/SGT/0190	SMALL TRA VA BRIDGE - PRELOADING AT ABUTMENT A2
P1/SGT/0200	INTERCHANGE 2 FLYOVER BRIDGE - PRELOADING AT ABUTMENT A1
P1/SGT/0210	INTERCHANGE 2 FLYOVER BRIDGE - PRELOADING AT ABUTMENT A2
P1/SGT/0220	TRA ON BRIDGE - PRELOADING AT ABUTMENT A1
P1/SGT/0230	TRA ON BRIDGE - PRELOADING AT ABUTMENT A2
P1/SGT/0240	CAN THO BRIDGE - PRELOADING AT ABUTMENT A1
P1/SGT/0250	PRELOADING AT CULVERTS KM0+051.8 - KM4+640 (1/2)
P1/SGT/0260	PRELOADING AT CULVERTS KM0+051.8 - KM4+640 (2/2)
P1/SGT/0270	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM0+500 - KM0+300 (1/6)
P1/SGT/0280	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM0+300 - KM1+500 (2/6)
P1/SGT/0290	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM1+500 - KM2+660 (3/6)
P1/SGT/0300	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM2+660 - KM3+920 (4/6)
P1/SGT/0310	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES KM3+920 - KM4+910 (5/6)
P1/SGT/0320	GENERAL LAYOUT OF MOVEMENT OBSERVATION DEVICES INTERCHANGE 2 - OVEROAD (6/6)
P1/SGT/0330	LAYOUT OF INSTRUMENTATION FOR SOFT GROUND TREATMENT
P1/SGT/0340	INSTRUMENTATION DETAILS
P1/SGT/0350	LOCATION OF QUARRIES AND DREDGING RIVER
P1/LS	LIGHTING SYSTEM
P1/LS/0010	ROAD LIGHTING LAYOUT PLAN (01)
P1/LS/0020	ROAD LIGHTING LAYOUT PLAN (02)
P1/LS/0030	ROAD LIGHTING LAYOUT PLAN (03)
P1/LS/0040	ROAD LIGHTING LAYOUT PLAN (04)
P1/LS/0050	ROAD LIGHTING LAYOUT PLAN (05)
P1/LS/0060	ROAD LIGHTING LAYOUT PLAN (06)
P1/LS/0070	ROAD LIGHTING LAYOUT PLAN (07)
P1/LS/0080	ROAD LIGHTING LAYOUT PLAN (08)
P1/LS/0090	LIGHTING FIXTURE FIGURE
P1/LS/0100	POWER RECEIVING SYSTEM SINGLE LINE DIAGRAM
P1/LS/0110	DETAIL OF POWER RECEIVING SYSTEM (SUB STATION B)
P1/LS/0120	DETAIL OF POWER RECEIVING SYSTEM (DISTRIBUTION PANEL DIAGRAM NO.1)
P1/LS/0130	DETAIL OF POWER RECEIVING SYSTEM (DISTRIBUTION PANEL DIAGRAM NO.2)
P1/LS/0140	DETAIL OF LIGHTING POLE HOLE
P1/MS	MISCELLANEOUS
P1/MS/0010	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (1/5)
P1/MS/0020	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (2/5)
P1/MS/0030	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (3/5)
P1/MS/0040	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (4/5)
P1/MS/0050	PLAN OF LAYOUT TRAFFIC SIGNS, GUARDRAILS AND GUARD POSTS (5/5)
P1/MS/0060	DETAIL OF GUARDRAIL AND GUARDPOST
P1/MS/0070	INSTALLATION OF GUARDRAIL
P1/MS/0080	DETAIL OF GUIDEPOST AND KM POST

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	GENERAL DRAWING LIST (2/3)	P1/PA1/020
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

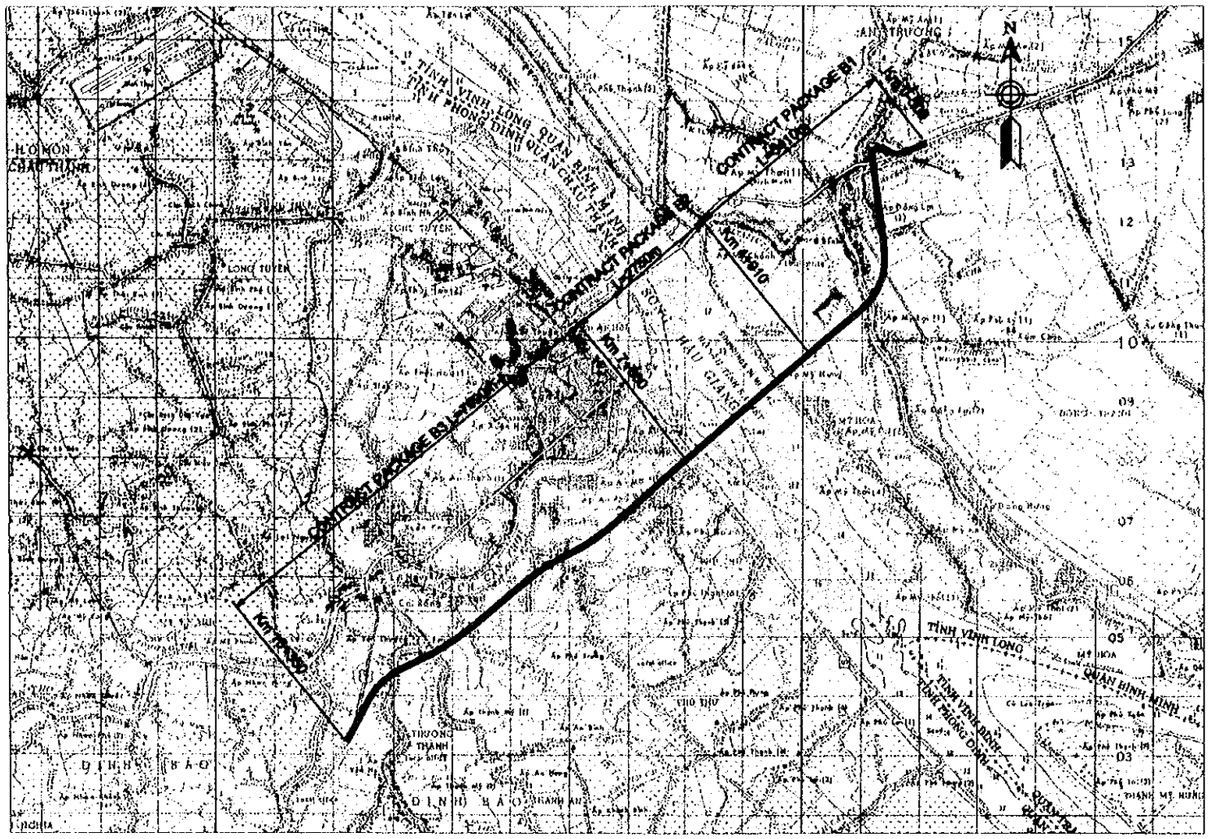
DRAWING LIST (3/3)

DRAWING NO.	DRAWING TITLE
P1/MS/0090	LAYOUT OF ROAD MARKINGS (1/2)
P1/MS/0100	LAYOUT OF ROAD MARKINGS (2/2)
P1/MS/0110	DETAIL OF ROAD MARKINGS
P1/MS/0120	DETAIL OF SIGNBOARD (1/2)
P1/MS/0130	DETAIL OF SIGNBOARD (2/2)
P1/MS/0140	DETAIL OF SIGNPOST (1/2)
P1/MS/0150	DETAIL OF SIGNPOST (2/2)
P1/MS/0160	DETAIL OF CONCRETE KERB AND SIDEWALK
P1/MS/0170	DETAIL OF NOSE AT RAMPWAY TERMINALS
P1/MS/0180	SLOPE PROTECTION (1/2)
P1/MS/0190	SLOPE PROTECTION (2/2)
P1/MS/0200	PLAN LAYOUT FOR DRAINAGE AT INTERCHANGE NO.1
P1/MS/0210	DRAINAGE DETAILS AT INTERCHANGE NO.1
P1/MS/0220	SCHEDULE OF SERVICE ROAD

DRAWING NO.	DRAWING TITLE

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	GENERAL DRAWING LIST (3/3)	P1/PA1/030
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

P1/GE GENERAL



LAYOUT PLAN
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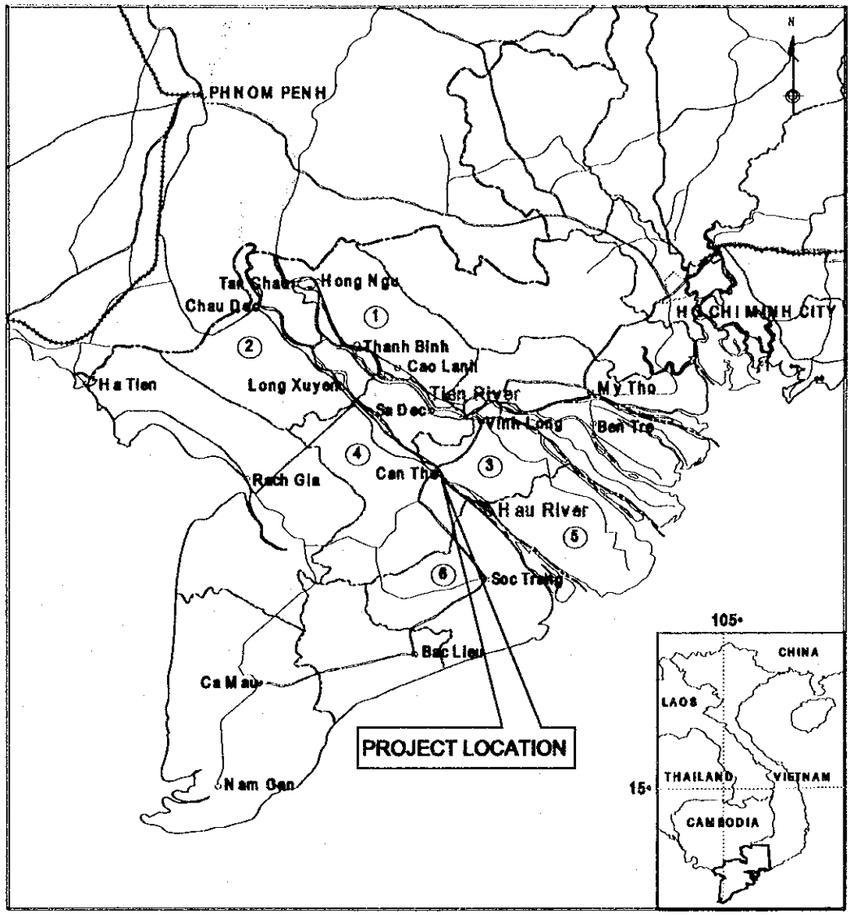


KEY MAP

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	K. Nakai	K. Enomoto	KEY MAP & LAYOUT PLAN	P1/GE/0010
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

ABBREVIATIONS AND SYMBOLS

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

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	ABBREVIATIONS AND SYMBOLS	P1/GE/0020
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

LEGENDS

- 1T : PERMANENT HOUSE
- : TILE-ROOFED BRICK-WALLED HOUSE
- : THATCHED-ROOF TEMPORARY HOUSE
- + : CHURCH
- : PAGODA, TEMPLE
- : CEMETERY, GRAVE YARD, TOMB
- P.O : POST-OFFICE
- : ELECTRIC STATION
- W : WELL
- TN : WATER TOWER
- : MONUMENT
- : PORCH, GATE
- : FENCE
- : RAILWAY
- : HIGH VOLTAGE ELECTRIC LINE (6KV- 35KV)
- : ELECTRIC POLE - LINE 220KV
- : LATERITE ROAD
- : LIGHT POLE

- : EMBANKMENT (FILL)
- : CANAL, DRAINGE CHANNEL, SIDE DITCH
- : SMALL BRIDGE
- : CULVERT
- ASPHALT : ASPHALT (CONCRETE) PAVED ROAD
- : BRICK WALL
- : WATER PIPE
- : OIL, PETROL PIPE
- : GAS PIPE
- : PROVINCIAL BOUNDARY
- : DISTRICT BOUNDARY
- : TELEPHONE LINE.
- : EXCAVATION
- : RIVER, STREAM
- POND : POND, LAKE

- : COCONUT TREE
- : RICE FIELD
- : CROP FIELD (PEANUT, SUGAR CANE, SESAME..)
- : FOREST, OTHER TREE
- : ORCHARD

- GPS : GLOBAL POSITIONING SYSTEM
- : TRAVERSE POINT
- : BENCH MARK
- KP : KM POST
- : BORE HOLE
- : NIPA
- : BAMBOO
- : GRASS

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	LEGEND	P1/GE/0030
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	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. 20TCN-104-83.
- 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
E	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.

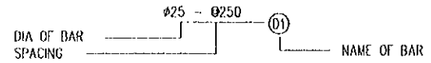
3.4. ALL CONSTRUCTION JOINTS ARE TO BE LOCATED AS SHOWN ON THE DRAWINGS OR AS ENGINEER'S APPROVAL.

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 fy(min) 250 MPa AND HIGH YIELD DEFORMED BARS WITH YIELD STRENGTH NOT LESS THAN fy(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.

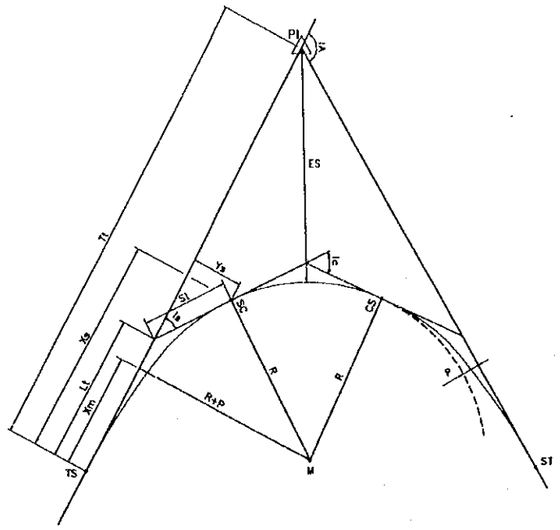
4.6. MINIMUM SPLICE LENGTH SHALL BE IN ACCORDANCE WITH AASHTO LRFD 98.

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

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	GENERAL NOTES	P1/GE/0040
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

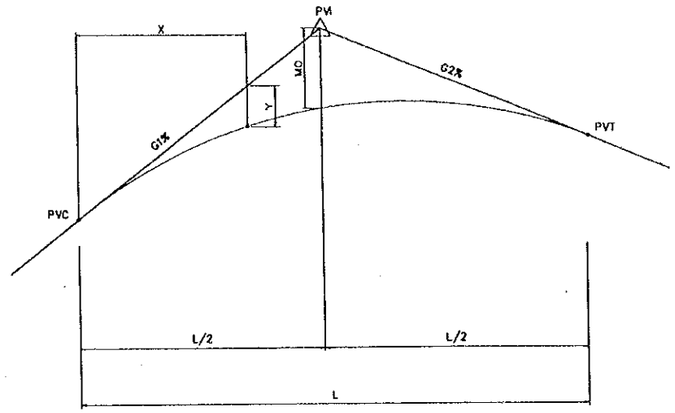
P1/TW THROUGH WAY



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 $A=\sqrt{R \times Ls}$
- 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
- Tt = 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:

- PVI = 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:

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

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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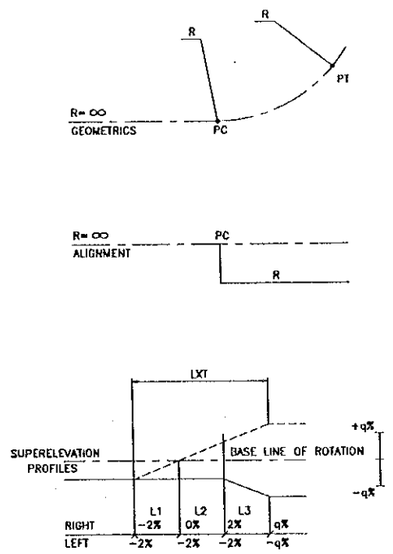
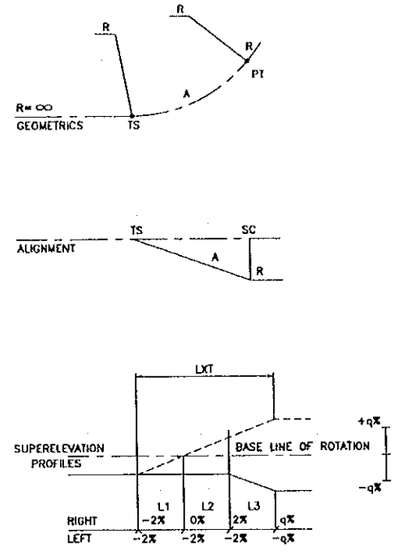
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

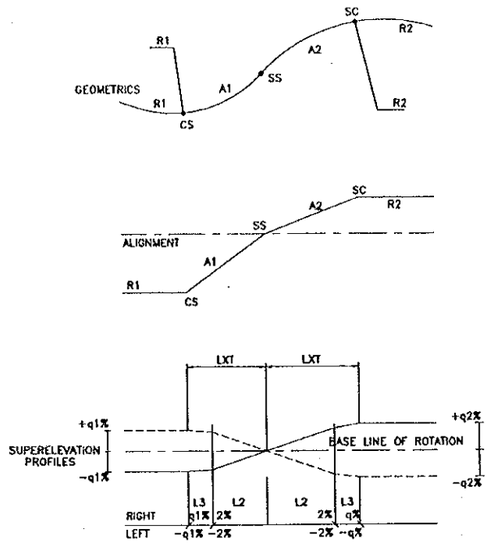
SUPERELEVATION DIAGRAMS



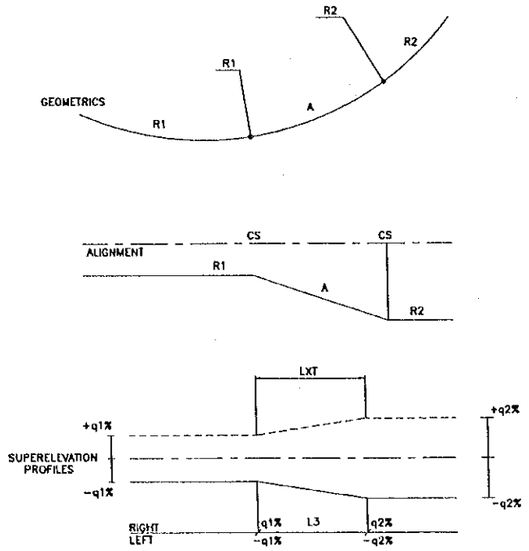
CASE 1. TANGENT-CIRCULAR
(WITHOUT SPIRAL CURVE)



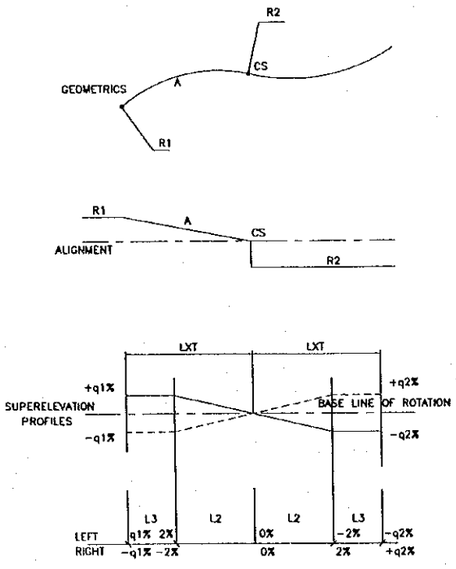
CASE 2. TANGENT-SPIRAL CURVE-CIRCULAR CURVE



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

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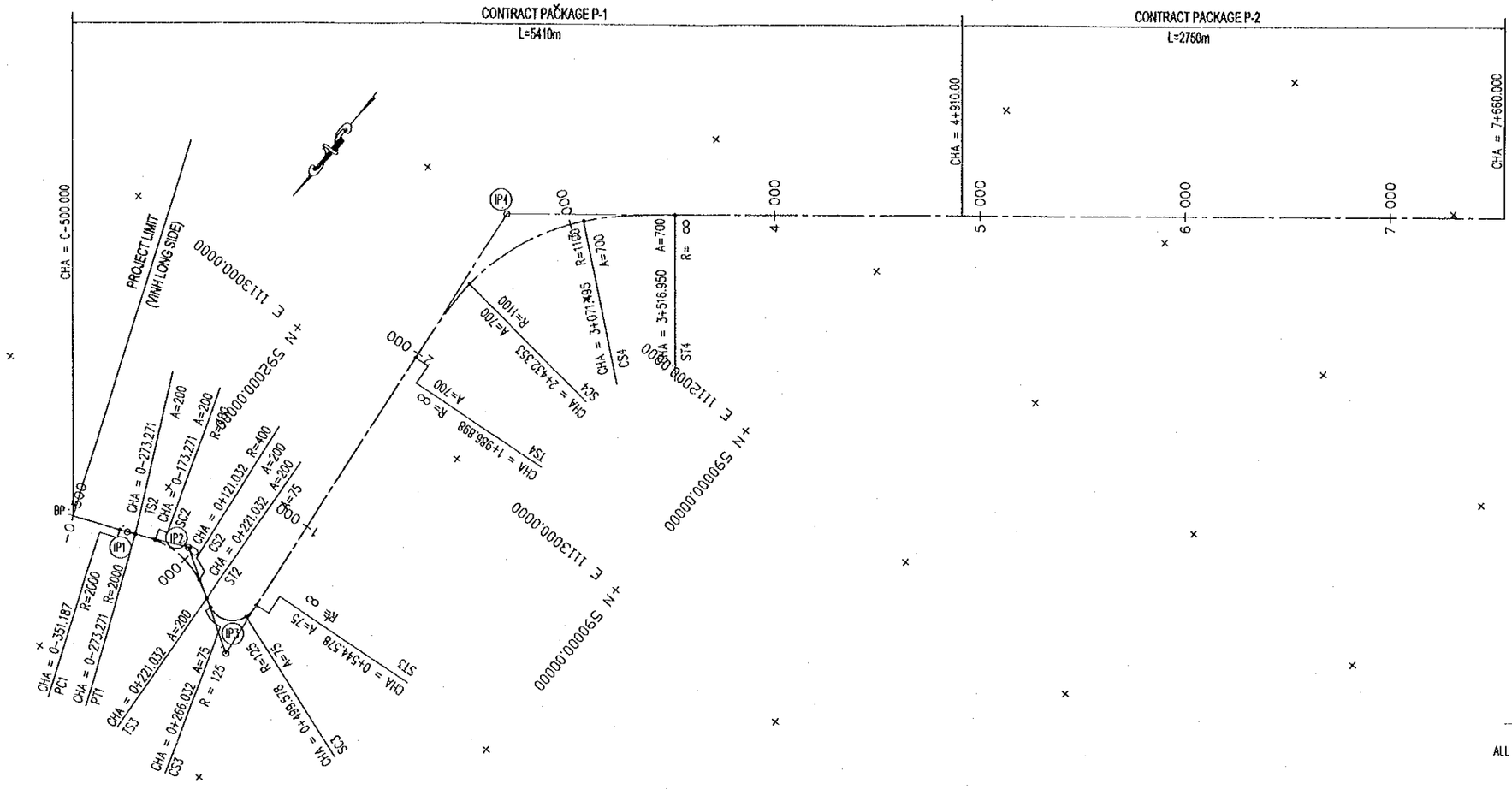
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		



NOTES :

ALL LENGTH UNITS ARE IN METERS .

	IA	R	A1	A2	TL1	TL2	CL	L1	L2	LC	IP		PC			PT		
											X	Y	X	Y	CHA	X	Y	CHA
B.P	–	–	–	–	–	–	–	–	–	–	1114395.90470	592300.00000	–	–	–	–	–	–
IP-1	2°13'55.64"	2000	–	–	38.96000	38.96000	77.915800	–	–	77.915800	1114290.56622	592042.92577	1114305.33946	592078.97925	0-351.18678	1114274.39998	592007.47504	0-273.27099
IP-2	56°28'46.96"	400	200.00000	200.00000	265.37000	265.37000	294.30276	100.00000	100.00000	494.30276	1114164.29429	591766.02573	–	–	–	–	–	–
IP-3	174°17'21.87"	125	75.00000	75.00000	278.31000	278.31000	233.54664	45.00000	45.00000	323.54664	1114452.12503	591304.78750	–	–	–	–	–	–
IP-4	56°29'36.56"	1100	700.00000	700.00000	817.42621	817.42621	1530.05170	445.45455	445.45455	639.14260	1111926.66483	591557.33352	–	–	–	–	–	–

	IS			SC			CS			ST			AZIMUTH	V (KM/H)	SE (%)	W (M)
	X	Y	CHA	X	Y	CHA	X	Y	CHA	X	Y	CHA				
B.P	–	–	–	–	–	–	–	–	–	–	–	–				
IP-1	–	–	–	–	–	–	–	–	–	–	–	–	247° 43' 5.50"	40	–	0
IP-2	1114274.39998	592007.47504	0-273.27099	1114255.45663	591627.80299	0-173.27099	1114236.76018	591914.90418	0+121.03177	1114304.78433	591540.89558	0+221.03177	245° 29' 9.85"	40	–	0
IP-3	1114304.78433	591540.89558	0+221.03177	1114220.09634	591330.69756	0+266.03177	1114326.24554	591501.41658	0+499.57841	1114175.19649	591332.48035	0+544.57841	301° 57' 56.81"	40	–	0
IP-4	1112740.03432	591475.99657	1+986.89854	1112295.62139	591490.31116	2+432.35308	1111713.55431	591248.78069	3+071.49568	1111409.83844	590924.02783	3+516.95023	174° 17' 21.87"	40	2.0	0.8
													230° 46' 58.43"	80	–	0

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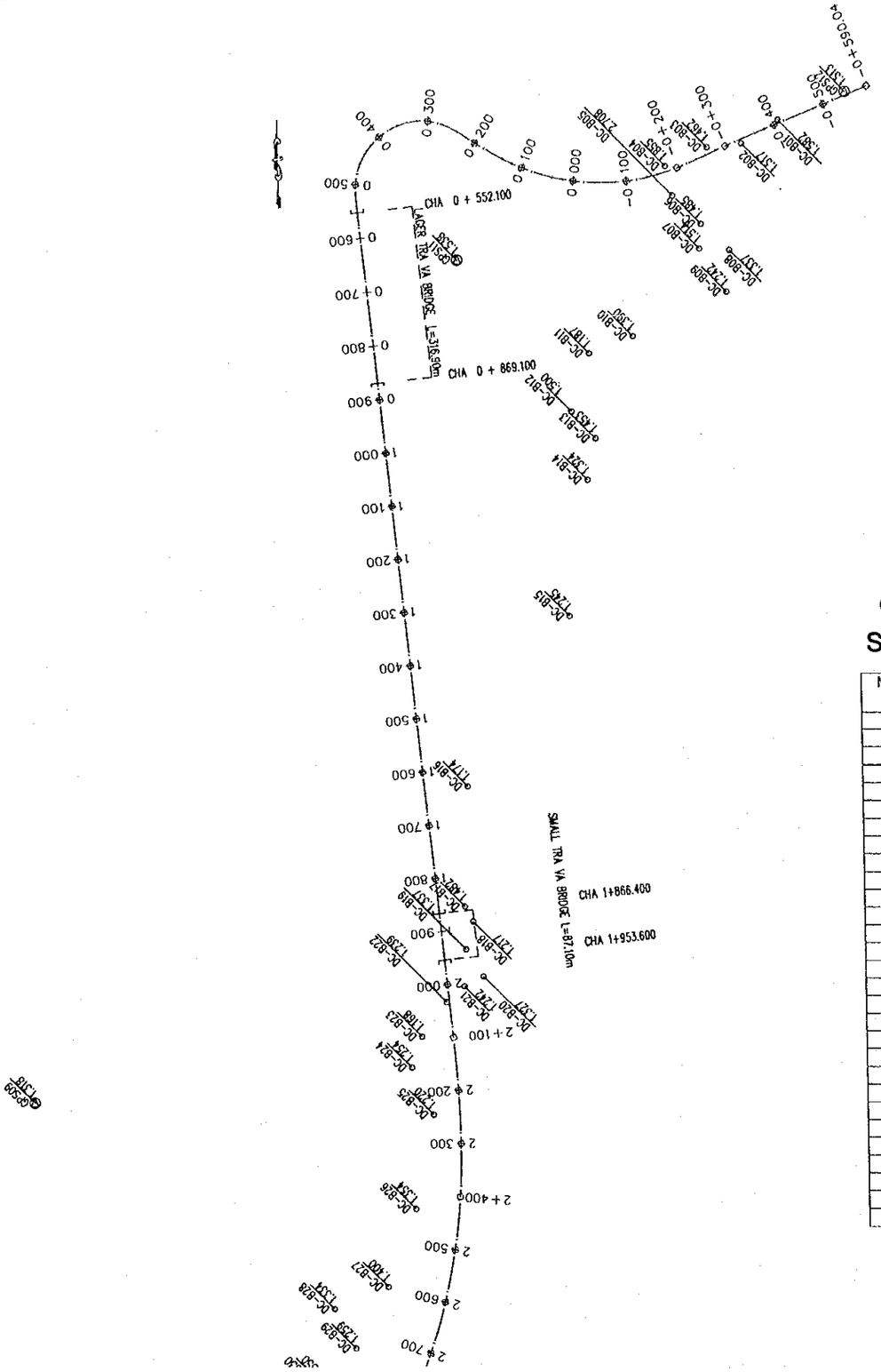
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		



LEGEND

- ⓐ GPS POINT
- ○ SECONDARY TRAVERSE POINT

COORDINATE AND ELEVATION OF GPS POINTS

NO	NAME	COORDINATE		ELEVATION
		X (M)	Y (M)	(M)
1	GPS09	1112507.233	590687.774	1.318
2	GPS11	1114078.612	591519.564	1.538
3	GPS12	1114385.446	592257.998	1.513

COORDINATE AND ELEVATION SECONDARY TRAVERSE POINTS

No	Name	Coordinate		Elevation
		X (m)	Y (m)	(m)
1	DC-B01	1114333.434	592131.164	1.582
2	DC-B02	1114290.104	592062.565	1.517
3	DC-B03	1114283.294	591997.175	1.462
4	DC-B04	1114248.826	591917.612	1.855
5	DC-B05	1114194.043	591930.960	2.708
6	DC-B06	1114142.362	591983.770	1.485
7	DC-B07	1114097.117	591979.964	1.514
8	DC-B08	1114094.264	592036.873	1.337
9	DC-B09	1114017.462	592030.394	1.242
10	DC-B10	1113935.946	591850.516	1.390
11	DC-B11	1113904.763	591767.360	1.187
12	DC-B12	1113796.856	591732.631	1.500
13	DC-B13	1113746.681	591776.512	1.453
14	DC-B14	1113669.522	591760.508	1.324
15	DC-B15	1113415.052	591722.151	1.245
16	DC-B16	1113098.518	591523.362	1.174
17	DC-B17	1112873.507	591513.328	1.482
18	DC-B18	1112845.281	591528.814	1.217
19	DC-B19	1112793.019	591513.850	1.337
20	DC-B20	1112741.726	591546.743	1.327
21	DC-B21	1112723.207	591509.774	1.242
22	DC-B22	1112693.485	591475.140	1.239
23	DC-B23	1112629.070	591426.723	1.168
24	DC-B24	1112571.193	591406.322	1.254
25	DC-B25	1112482.530	591445.830	1.220
26	DC-B26	1112306.238	591408.763	1.354
27	DC-B27	1112160.384	591353.125	1.400
28	DC-B28	1112119.436	591251.057	1.334
29	DC-B29	1112045.255	591290.816	1.259

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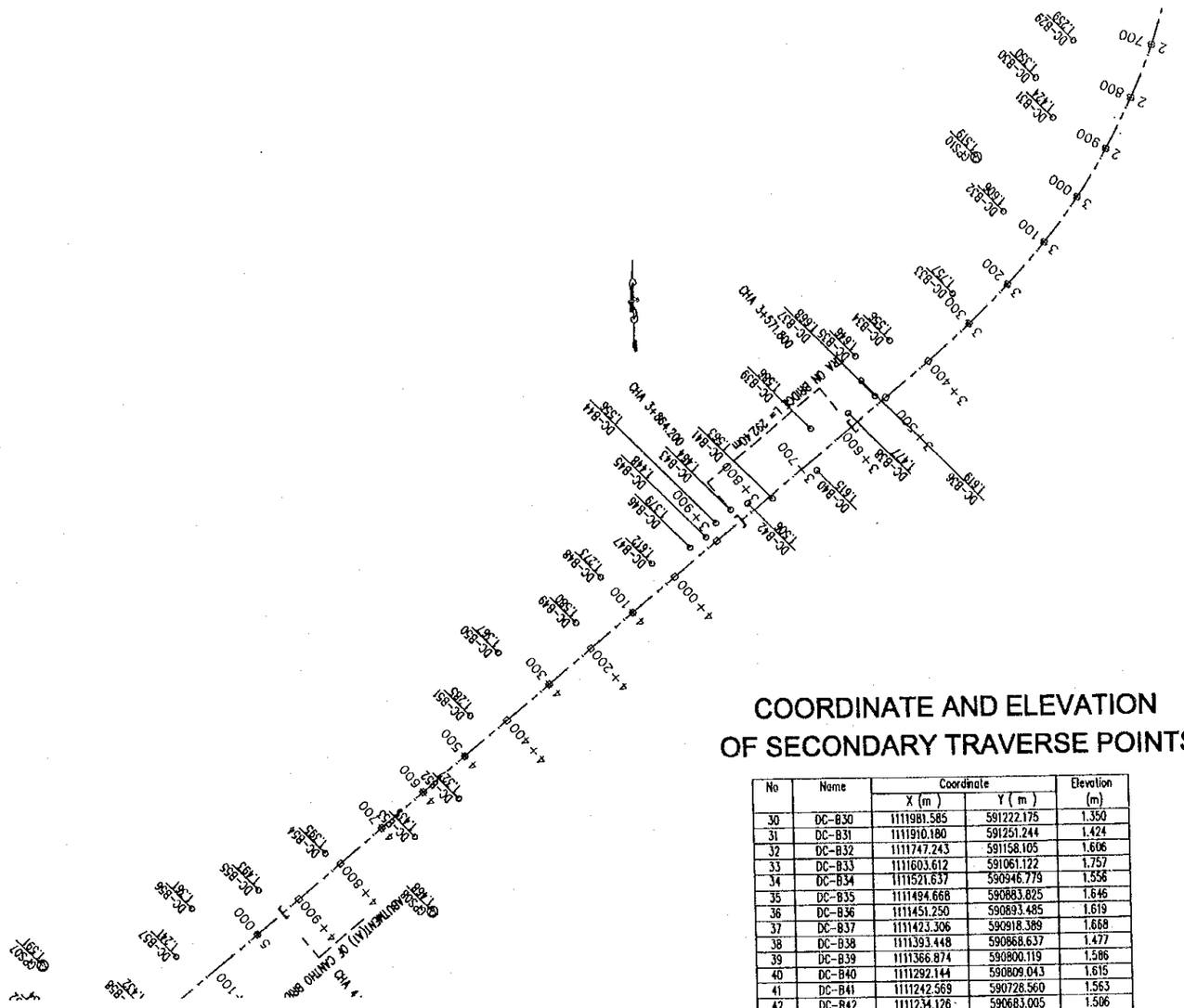
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		



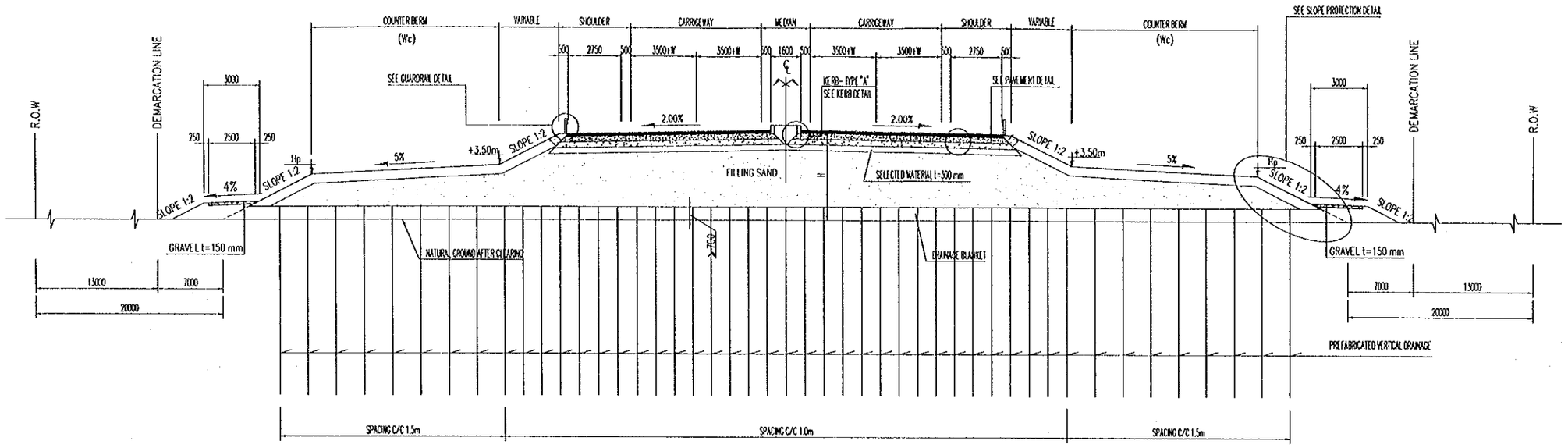
COORDINATE AND ELEVATION OF SECONDARY TRAVERSE POINTS

No	Name	Coordinate		Elevation
		X (m)	Y (m)	(m)
30	DC-B30	1111981.585	591222.175	1.350
31	DC-B31	1111910.180	591251.244	1.424
32	DC-B32	1111747.243	591158.105	1.606
33	DC-B33	1111603.612	591061.122	1.757
34	DC-B34	1111521.637	590946.779	1.556
35	DC-B35	1111494.668	590883.825	1.646
36	DC-B36	1111451.250	590893.485	1.619
37	DC-B37	1111423.306	590918.389	1.668
38	DC-B38	1111393.448	590868.637	1.477
39	DC-B39	1111366.874	590800.119	1.586
40	DC-B40	1111292.144	590809.043	1.615
41	DC-B41	1111242.569	590728.560	1.563
42	DC-B42	1111234.126	590683.005	1.506
43	DC-B43	1111223.253	590653.237	1.464
44	DC-B44	1111199.769	590626.598	1.556
45	DC-B45	1111174.464	590608.248	1.448
46	DC-B46	1111156.337	590578.879	1.379
47	DC-B47	1111128.544	590509.206	1.612
48	DC-B48	1111105.537	590415.457	1.273
49	DC-B49	1111024.341	590368.566	1.580
50	DC-B50	1110972.149	590227.331	1.367
51	DC-B51	1110860.655	590174.094	1.285
52	DC-B52	1110712.995	590149.775	1.327
53	DC-B53	1110645.128	590068.140	1.435
54	DC-B54	1110617.304	589902.588	1.395
55	DC-B55	1110552.143	589778.699	1.493
56	DC-B56	1110520.291	589657.784	1.361
57	DC-B57	1110434.005	589626.749	1.241

COORDINATE AND ELEVATION OF GPS POINTS

NO	NAME	COORDINATE		ELEVATION
		X (M)	Y (M)	(M)
1	GPS07	1110420.72	589379.969	1.591
2	GPS08	1110510.826	590096.639	1.468
3	GPS10	1111843.21	591109.838	1.519

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	TRAVERSE NETWORK OF SURVEY CONTROLS KM 2+700 TO KM 4+910(2/2)	P1/TW/0050
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

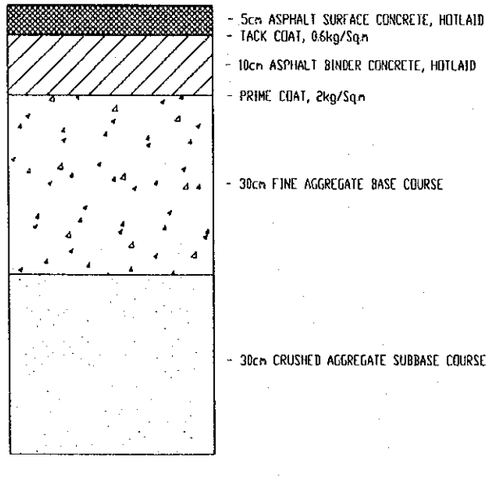


TYPE 1: H≥5M

SCALE 1:250

PAVEMENT DETAILS

NOT TO SCALE



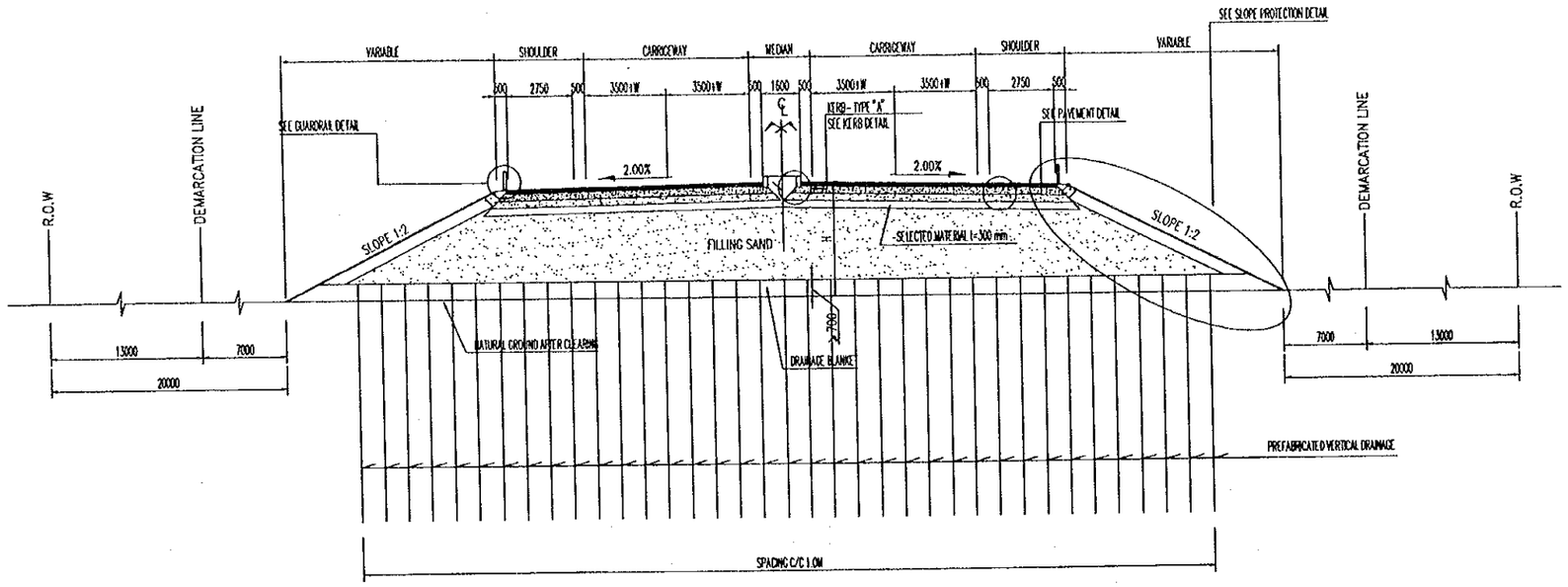
CHAINAGE		LENGTH OF PVD
FROM	TO	
-0+500	2+900	29m
2+900	4+910	38m

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

NOTES:

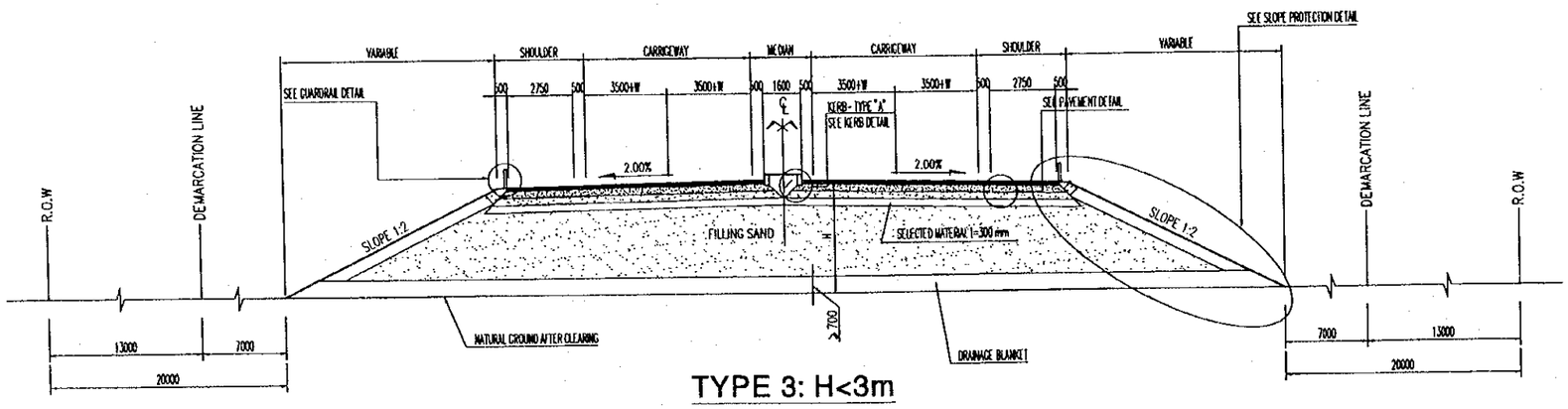
1) ALL DIMENSIONS ARE IN MILIMETER, UNLESS OTHERWISE INDICATED.
2) DEMARCATIONS WILL BE LOCATED 7 METERS FROM THE SLOPE TOE AND R.O.W LOCATED 20 METERS FROM IT.
3) BETWEEN DEMARCATIONS, ANY RESIDENTS AND FACILITIES (MARKET, FACTORY...) WILL BE REMOVED.
4) "W" MEANS WIDENING AMOUNT OF CARRIAGEWAY AT THE CURVES.
5) "Wc" AND "Hp" ARE THE WIDTH AND THE ELEVATION OF COUNTER BERM
6) GUARDRAIL, KERB SEE DWG P1/MS/0060, P1/MS/0160.
7) SLOPE PROTECTION SEE DWG P1/MS/0180, P1/MS/0190.

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	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (1/2)	P1/TW/0060
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		



TYPE 2: 3m≤H<5m

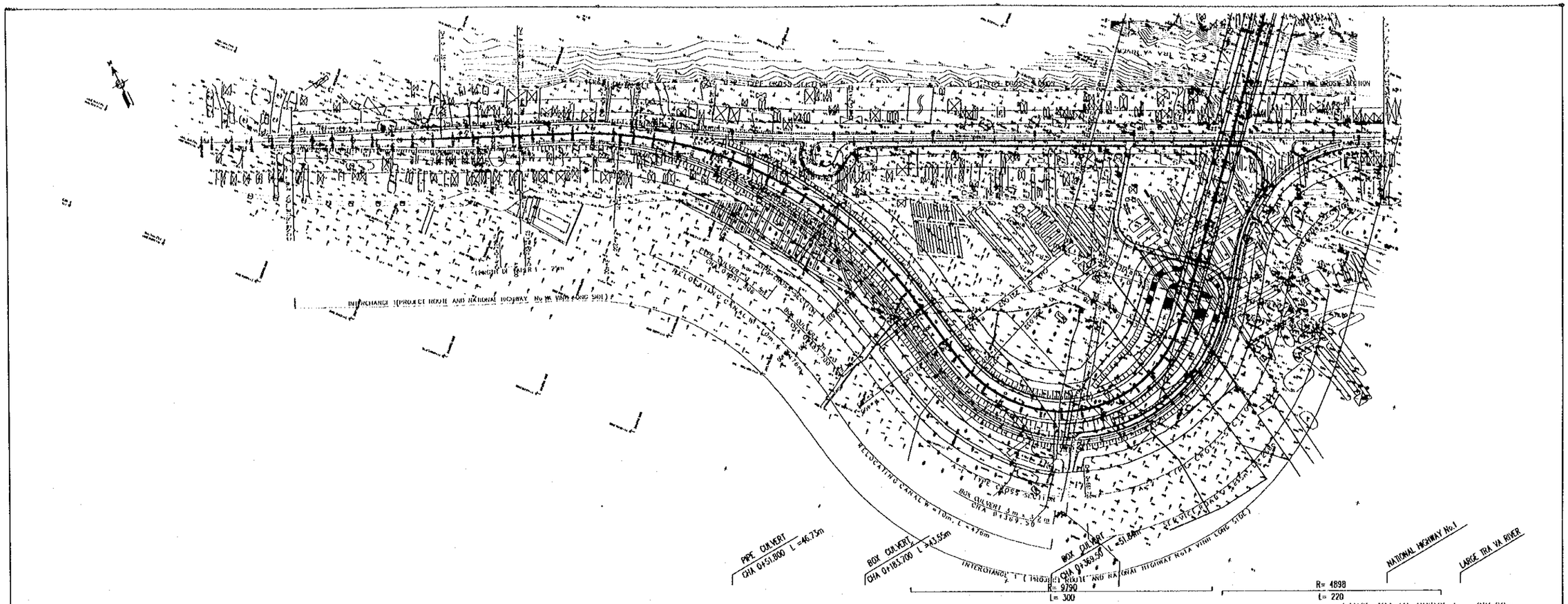
SCALE 1:250



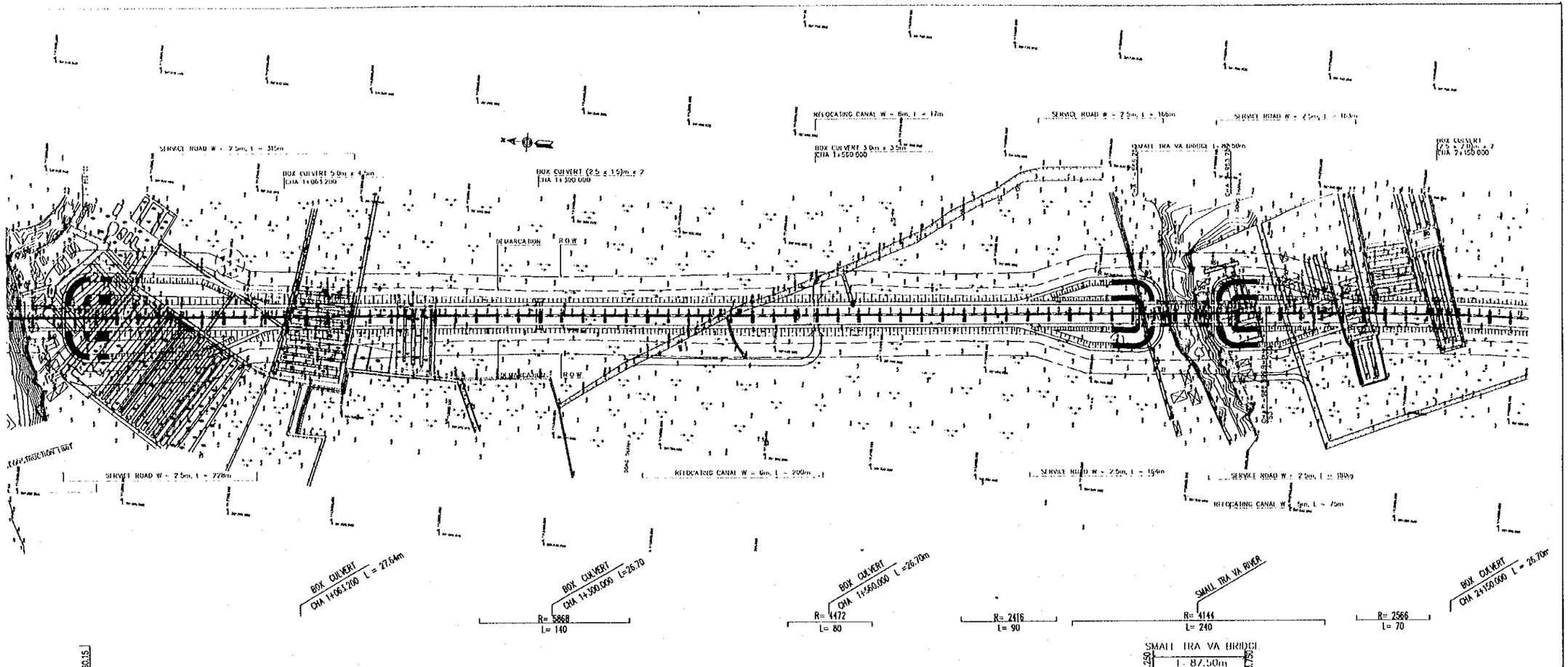
TYPE 3: H<3m

SCALE 1:250

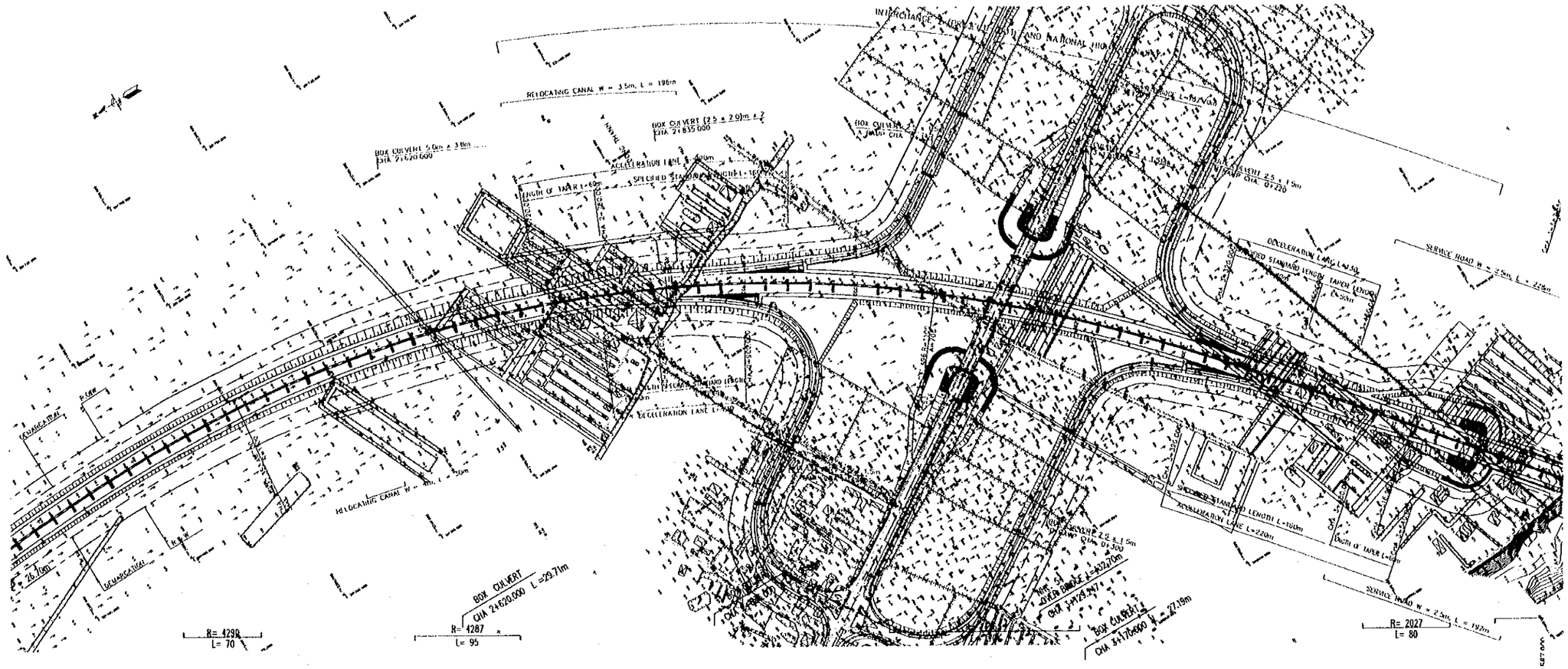
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	TYPICAL CROSS SECTIONS AND PAVEMENT STRUCTURE (2/2)	P1/TW/0070
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

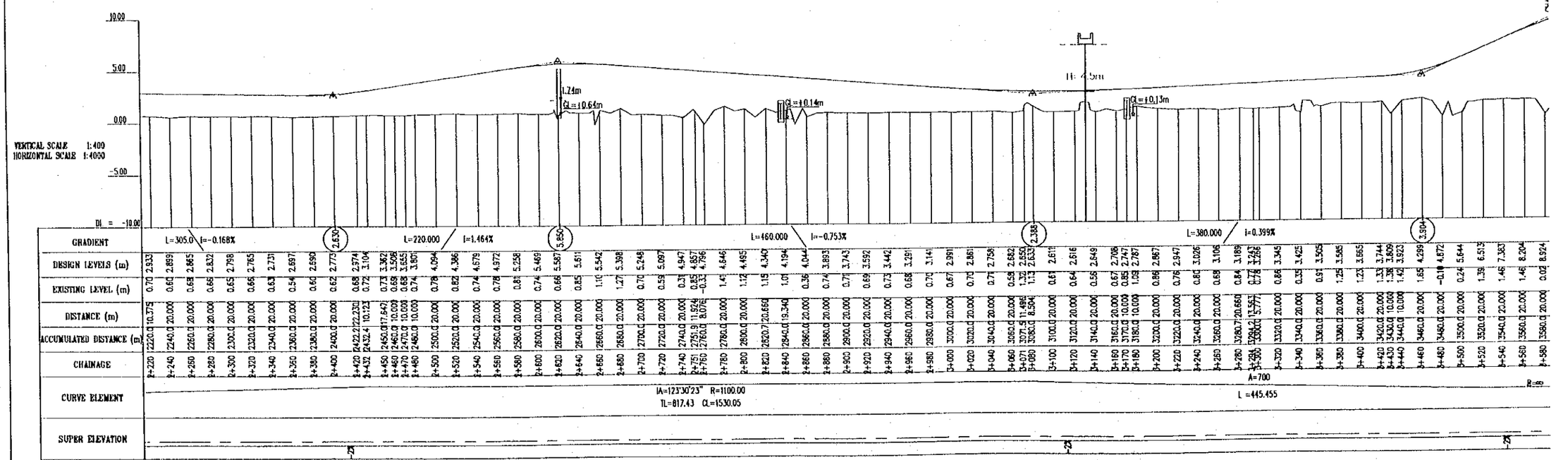


PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	PLAN AND PROFILE KM 0+500 - KM 0+860 (1/4)	P1/TW/0080
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		

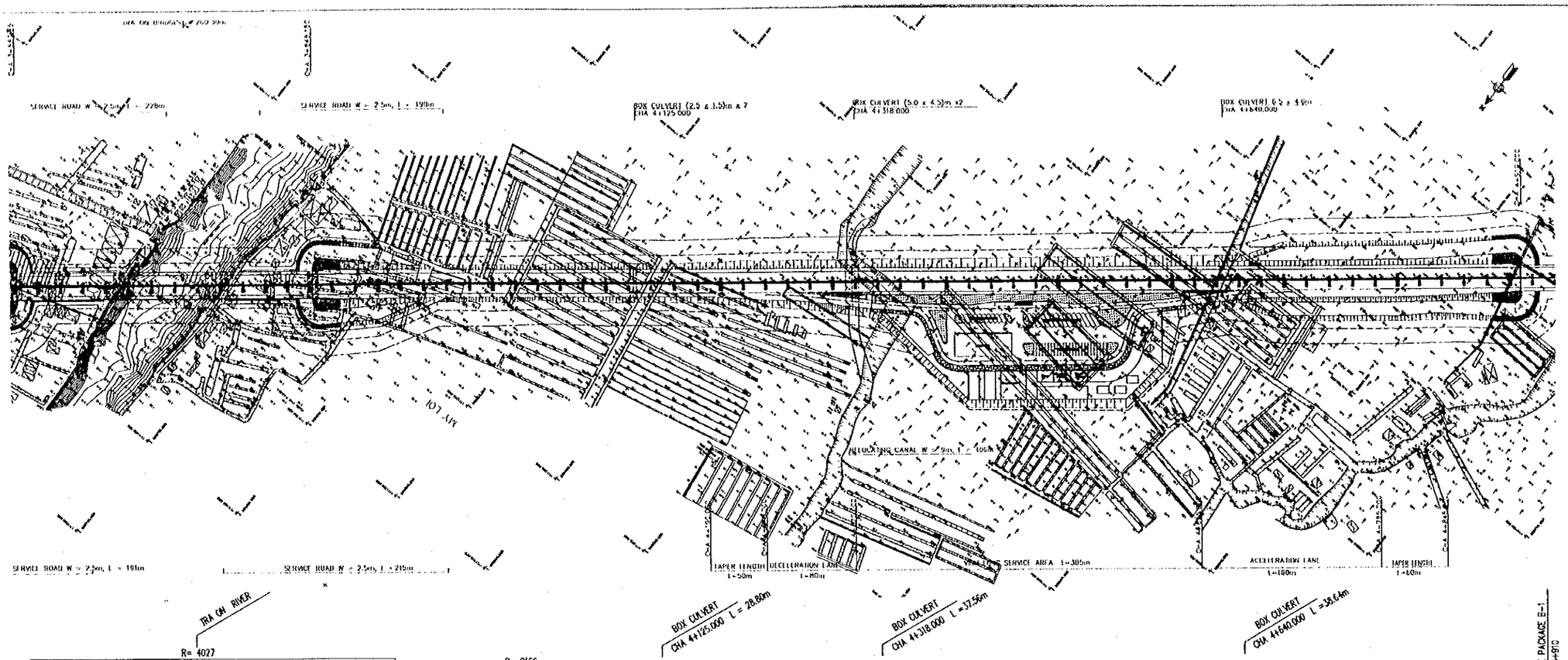


PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	PLAN AND PROFILE KM 0+860 - KM 2+220 (2/4)	P1/TW/0090
				SIGNATURE	K. Nemoto	K. Nakai	K. Enomoto		
				DATE	20/9/2000	29/9/2000	5/10/2000		



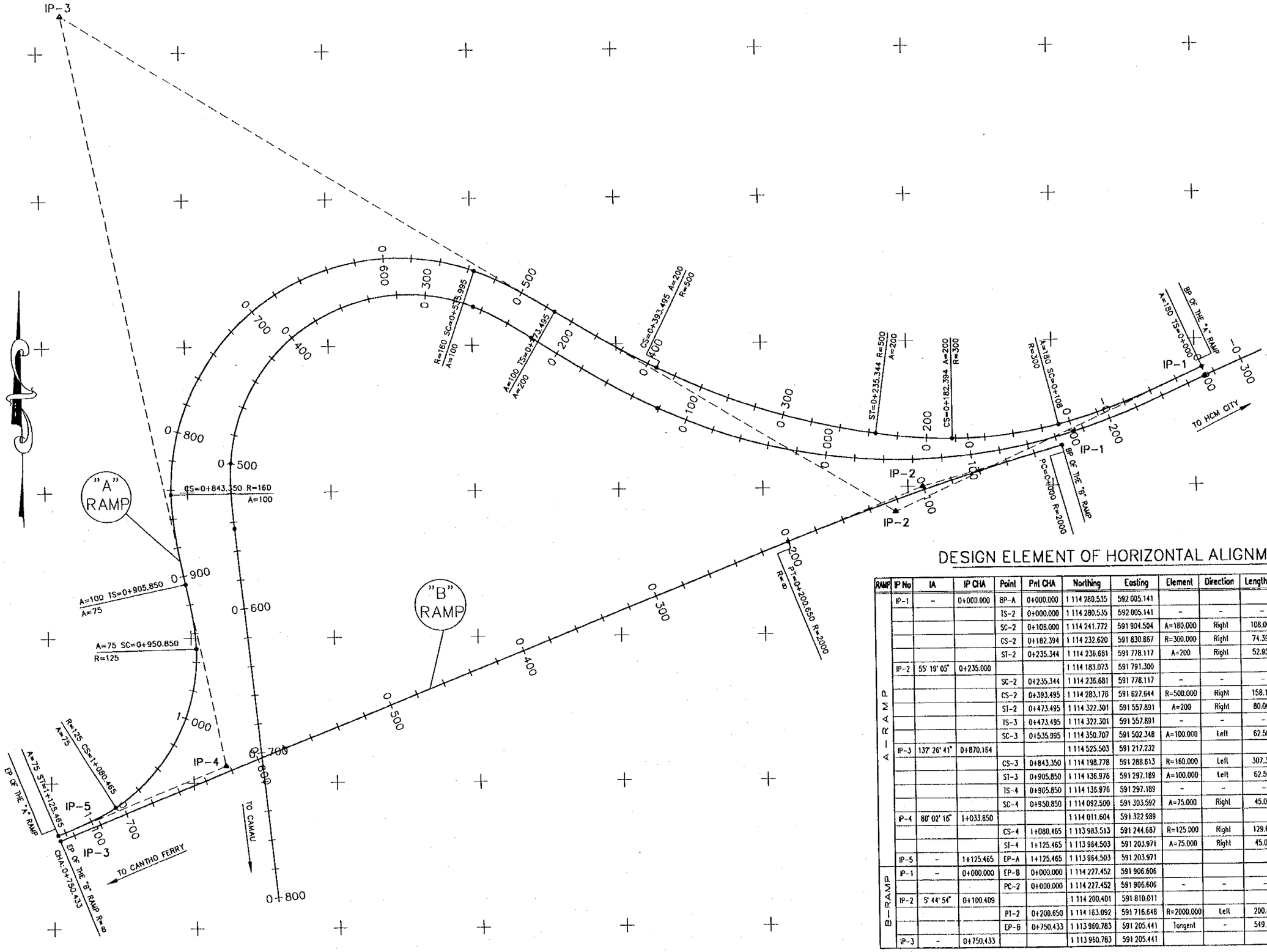


PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	PLAN AND PROFILE KM 2+220 - KM 3+580 (3/4)	P1/TW/0100
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		



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	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 AND PROFILE KM 3+580 - KM 4+910 (4/4)	P1/TW/0110
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

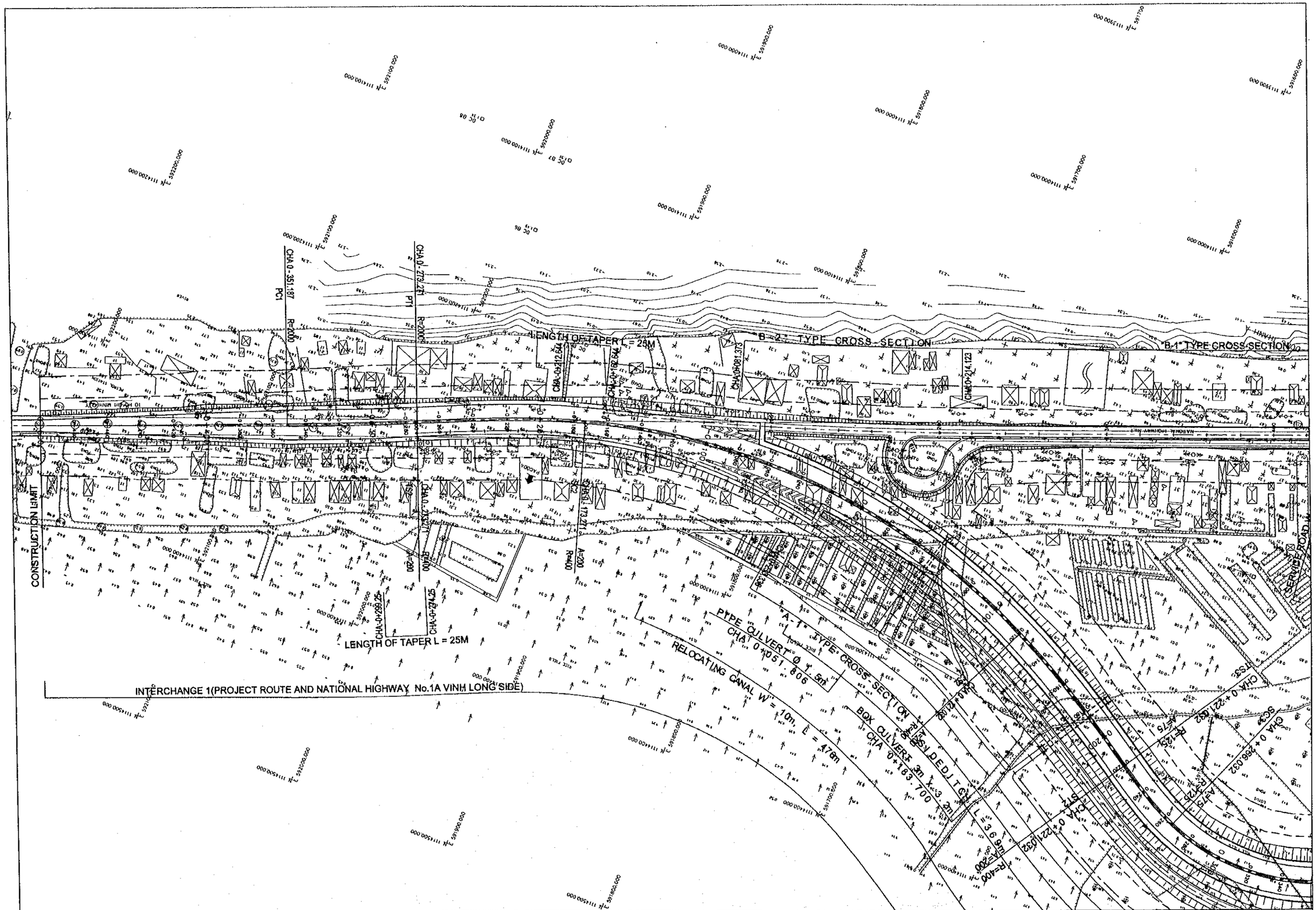
P1/IC1 INTERCHANGE NO.1 (NH NO.1)



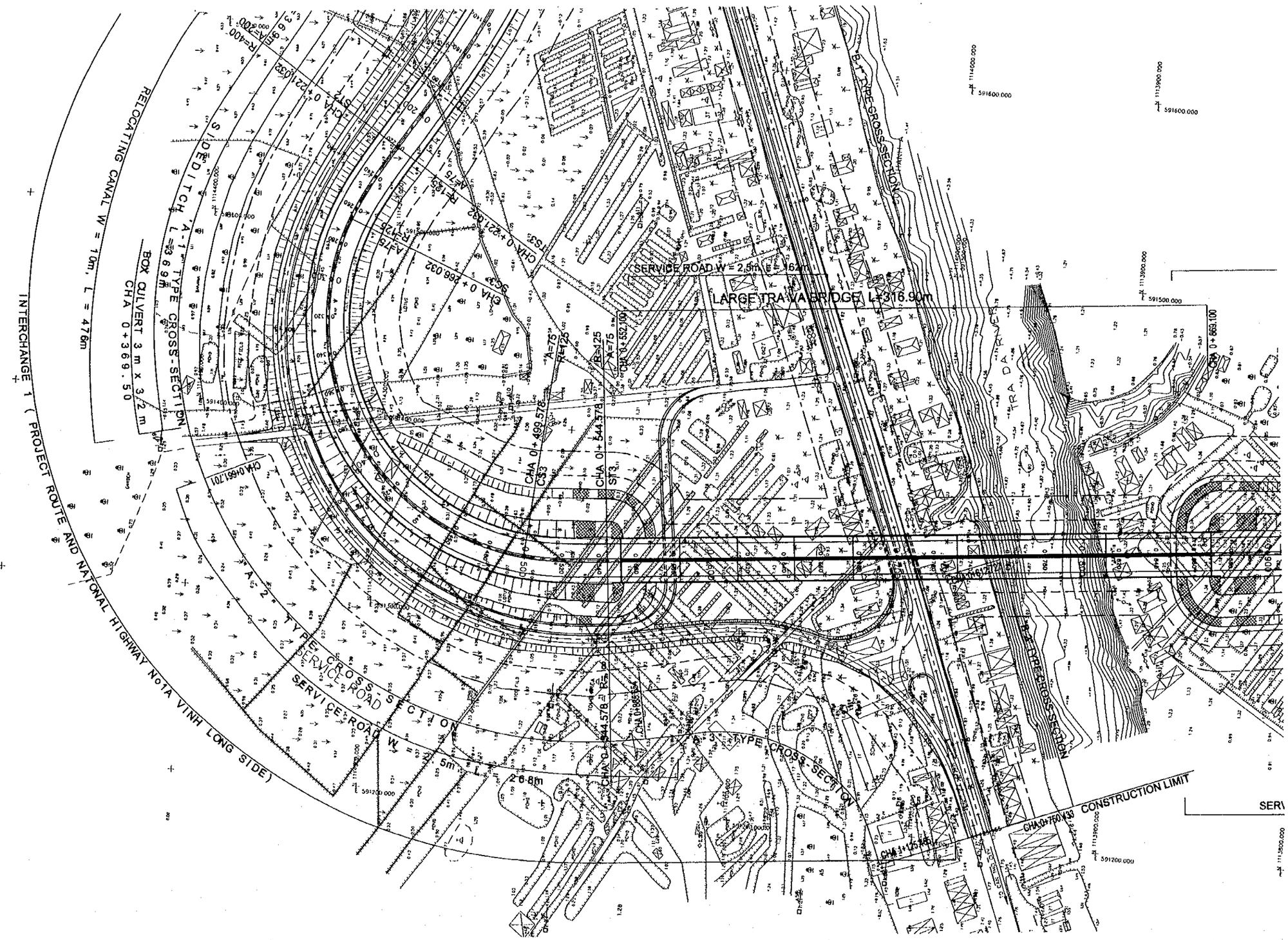
DESIGN ELEMENT OF HORIZONTAL ALIGNMENT

RAMP	IP No	IA	IP CHA	Point	Pnt CHA	Northing	Easting	Element	Direction	Length(m)	IP Distance	Azimuth
A-RAMP	IP-1	-	0+000.000	BP-A	0+000.000	1 114 280.535	592 005.141				-	245° 29' 53"
				TS-2	0+000.000	1 114 280.535	592 005.141	-	-	-		
				SC-2	0+108.000	1 114 241.772	591 904.504	A=180.000	Right	108.000		
				CS-2	0+182.394	1 114 232.620	591 830.867	R=-300.000	Right	74.394		
				ST-2	0+235.344	1 114 236.681	591 778.117	A=200	Right	52.950		
	IP-2	55° 19' 05"	0+235.000			1 114 183.073	591 791.300				235.000	300° 48' 58"
				SC-2	0+235.344	1 114 236.681	591 778.117	-	-	-		
				CS-2	0+393.495	1 114 283.176	591 627.644	R=500.000	Right	158.151		
				ST-2	0+473.495	1 114 322.301	591 557.891	A=200	Right	80.000		
				TS-3	0+473.495	1 114 322.301	591 557.891	-	-	-		
				SC-3	0+535.995	1 114 350.707	591 502.348	A=100.000	Left	62.500		
	IP-3	132° 26' 41"	0+870.164			1 114 525.503	591 217.232				668.440	168° 22' 16"
				CS-3	0+843.350	1 114 198.778	591 288.813	R=160.000	Left	307.356		
				ST-3	0+905.850	1 114 136.976	591 297.189	A=100.000	Left	62.500		
				TS-4	0+905.850	1 114 136.976	591 297.189	-	-	-		
				SC-4	0+950.850	1 114 092.500	591 303.592	A=75.000	Right	45.000		
	IP-4	80° 02' 16"	1+033.850			1 114 011.604	591 322.989				524.668	68° 24' 32"
				CS-4	1+080.465	1 113 983.513	591 244.687	R=125.000	Right	129.615		
				ST-4	1+125.465	1 113 964.503	591 203.971	A=75.000	Right	45.000		
	IP-5	-	1+125.465	EP-A	1+125.465	1 113 964.503	591 203.971				-	68° 24' 32"
B-RAMP	IP-1	-	0+000.000	EP-B	0+000.000	1 114 227.452	591 906.606				-	254° 09' 26"
				PC-2	0+000.000	1 114 227.452	591 906.606	-	-	-		
	IP-2	5° 44' 54"	0+100.409			1 114 200.401	591 810.011				100.409	68° 24' 32"
				PT-2	0+200.650	1 114 183.092	591 716.648	R=2000.000	Left	200.650		
				EP-B	0+750.433	1 113 960.783	591 205.441	Tangent	-	549.783		
	IP-3	-	0+750.433			1 113 960.783	591 205.441				650.192	68° 24' 32"

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	INTERCHANGE 1 ALIGNMENT LAYOUT AND GEOMETRIC DATA SCALE 1:2500	P1/IC1/0010
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		



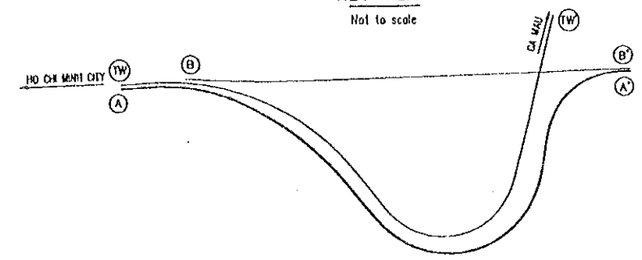
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	INTERCHANGE 1 PLAN (1/2) SCALE 1:2000	P1/IC1/0020
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		

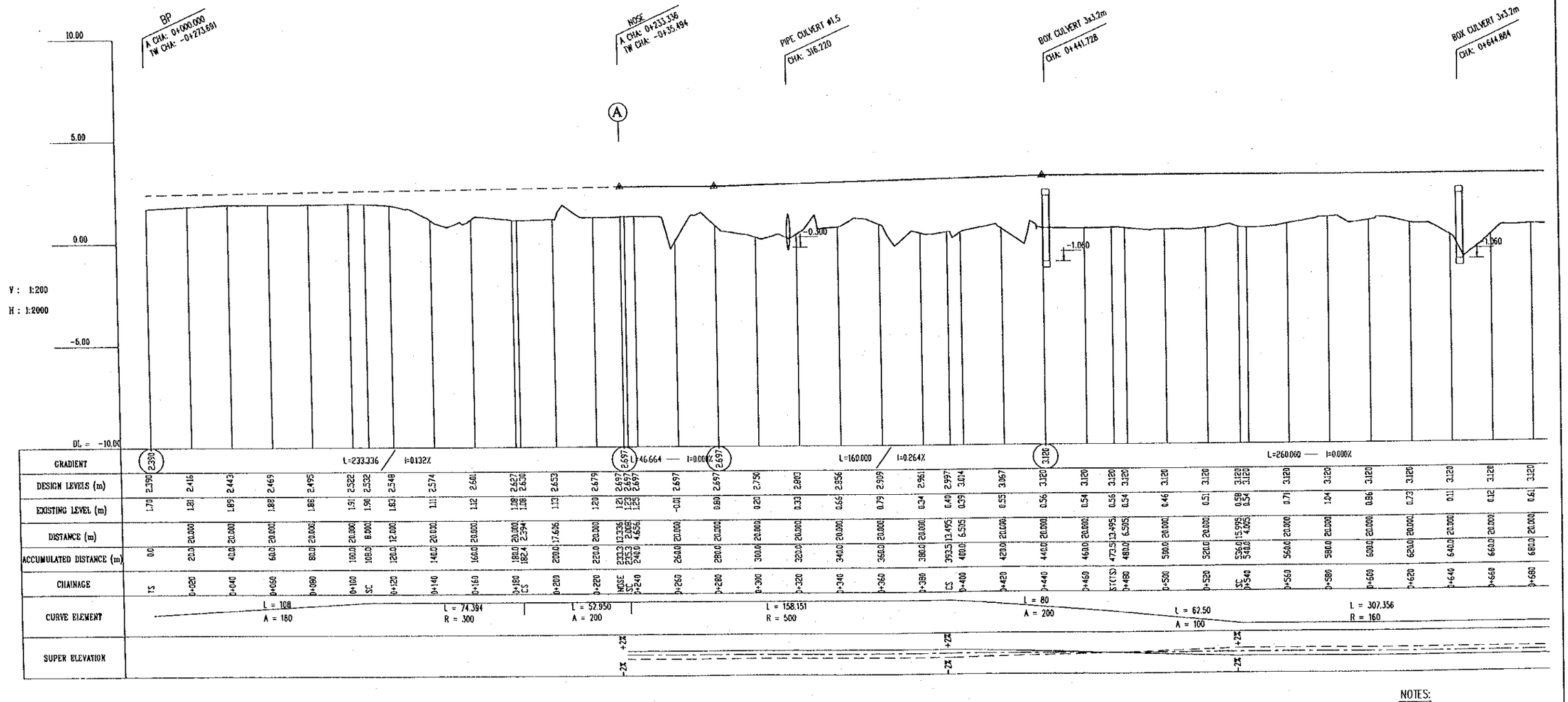


PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	INTERCHANGE 1 PLAN(2/2) SCALE 1:2000	P1/IC1/0030
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		

KEY--PLAN

Not to scale





NOTES:

- SCALE AS SHOWN.
- ALL UNITS ARE IN METERS, 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	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	INTERCHANGE 1 PROFILE OF "A " RAMP(1/2)	P1/IC1/0040
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

KEY--PLAN

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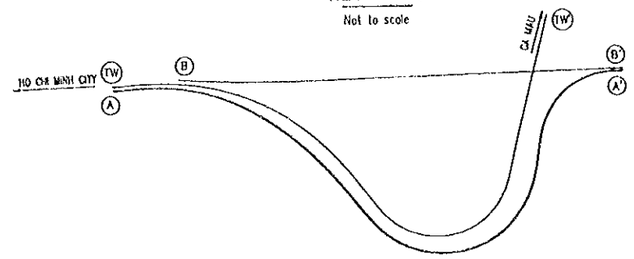

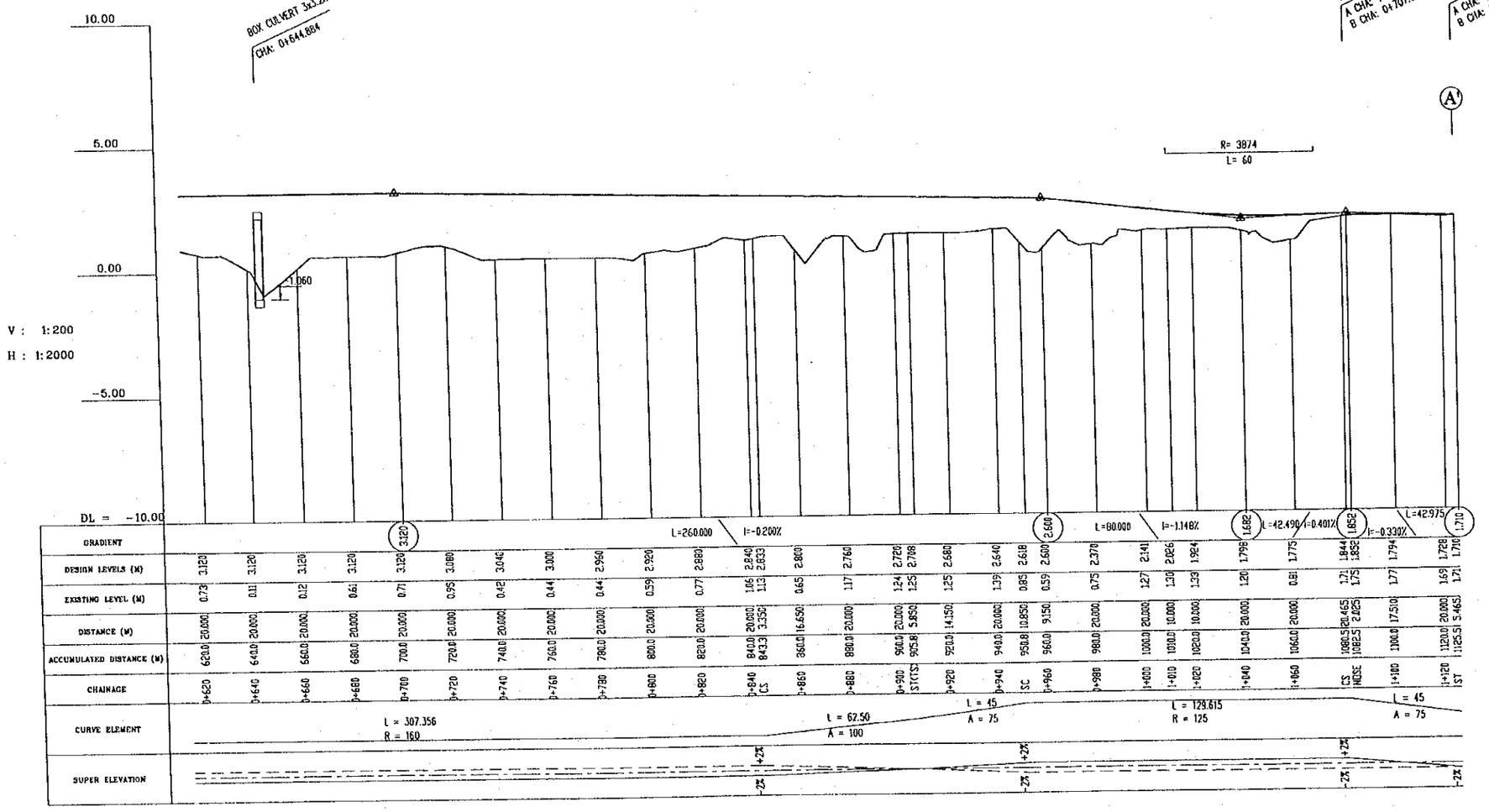

NOTES:

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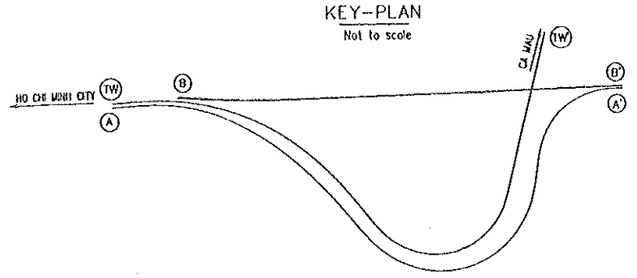
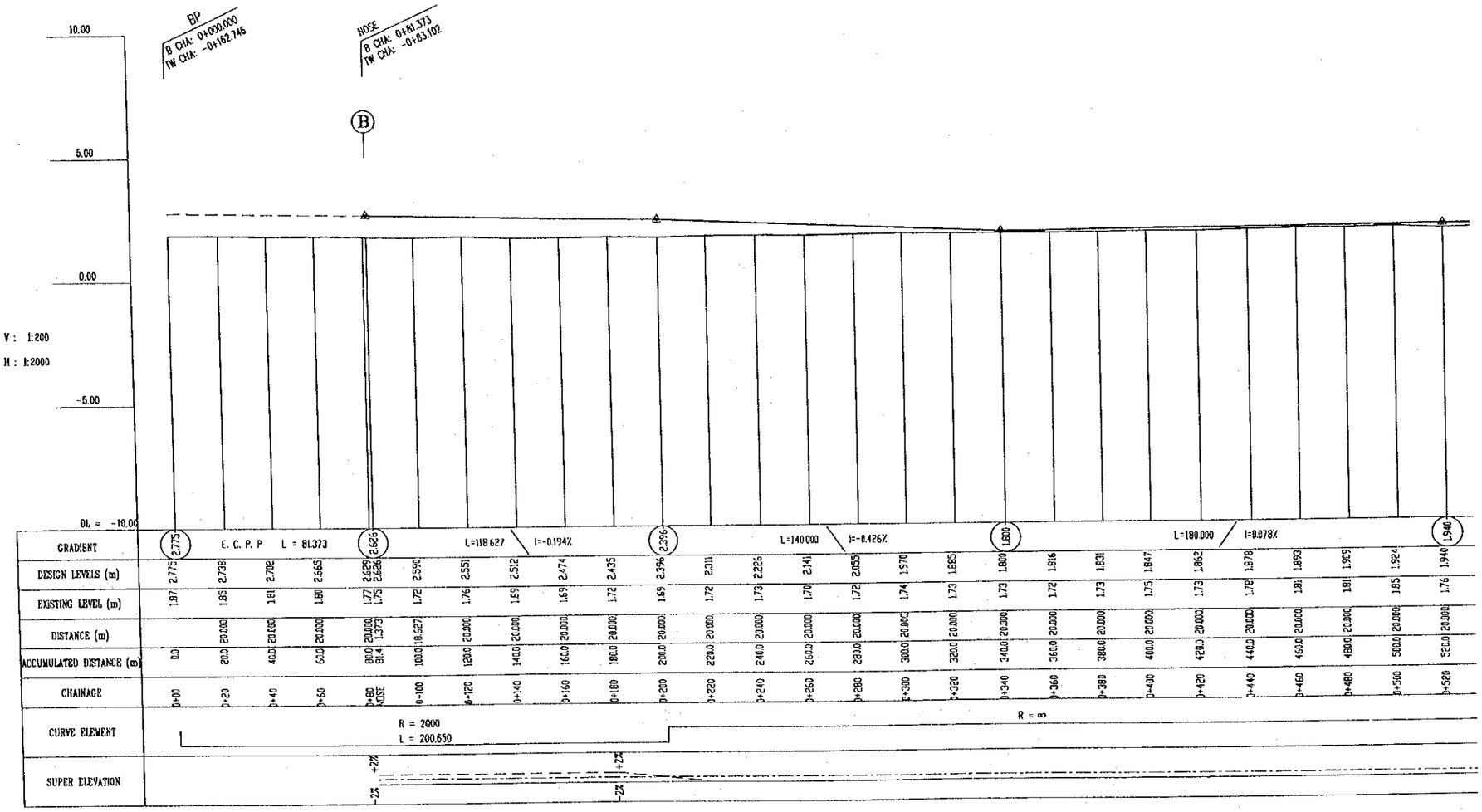
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	INTERCHANGE I PROFILE OF "A " RAMP(2/2)	P1/IC1/0050
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

KEY-PLAN

Not to scale

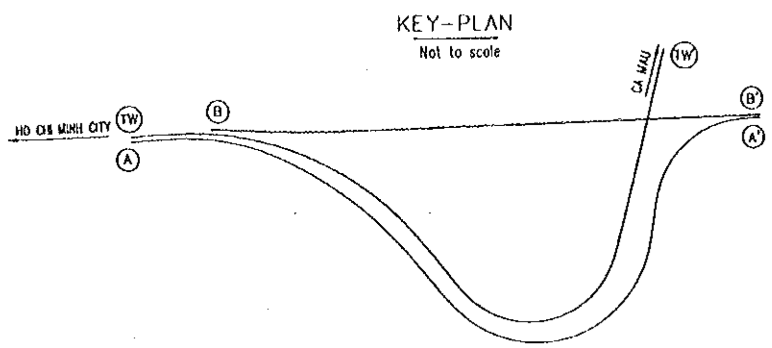


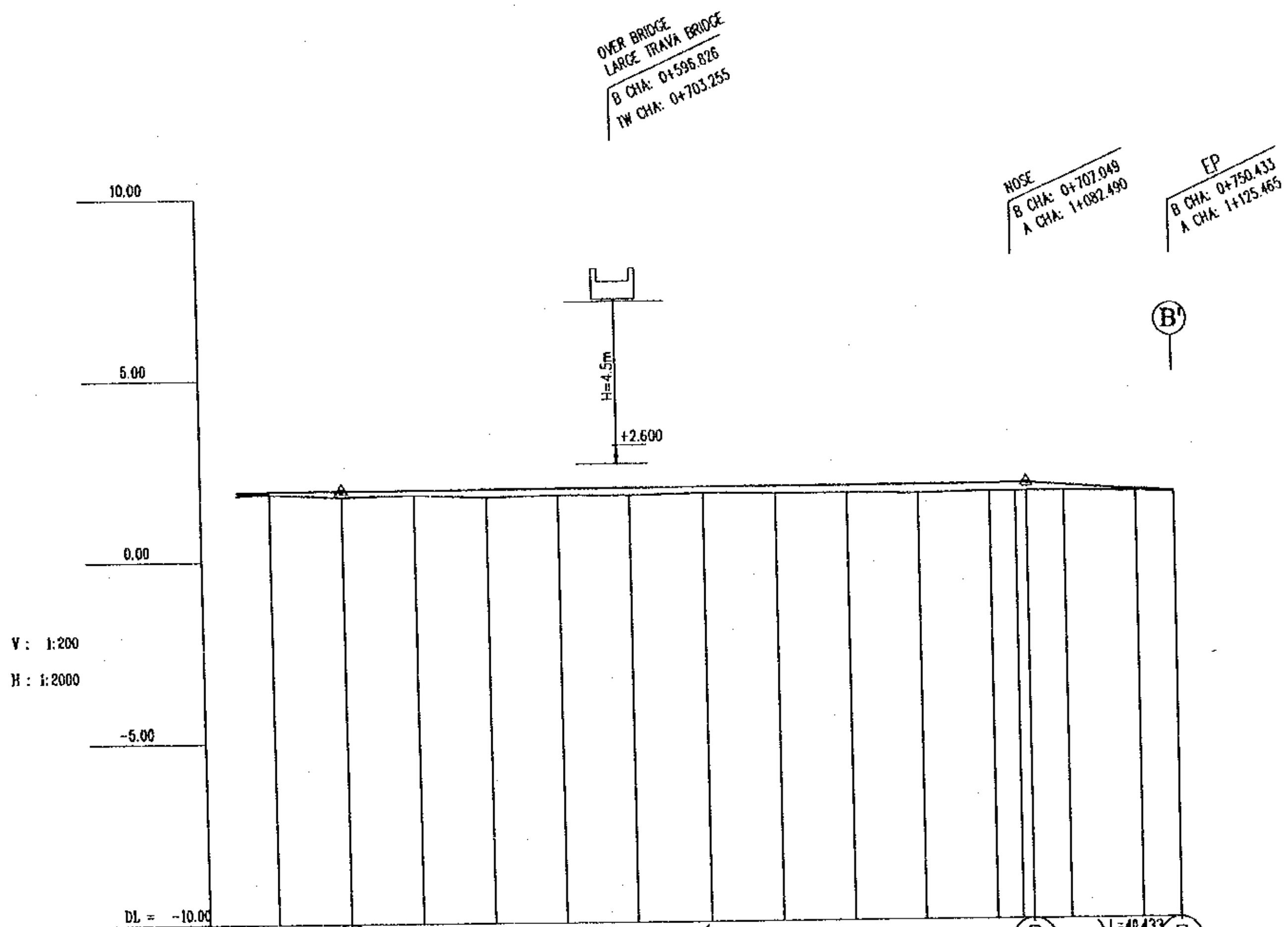


NOTES:

- SCALE AS SHOWN
- ALL UNITS ARE IN METERS, 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	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	INTERCHANGE 1 PROFILE OF "B" RAMP(1/2)	P1/IC1/0060
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		





GRADIENT		(1.940)					L=190.000 / i=0.021%						(1.980)	i=-0.668%	L=40.433	(1.710)
DESIGN LEVELS (M)	1.924	1.940	1.944	1.948	1.953	1.957	1.961	1.965	1.969	1.974	1.978	1.979	1.980	1.913	1.780	1.710
EXISTING LEVEL (M)	1.85	1.76	1.81	1.72	1.78	1.75	1.79	1.75	1.76	1.72	1.76	1.76	1.76	1.76	1.72	1.71
DISTANCE (M)	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	7.049	2.951	10.000	20.000	10.433
ACCUMULATED DISTANCE (M)	500.0	520.0	540.0	560.0	580.0	600.0	620.0	640.0	660.0	680.0	700.0	707.0	710.0	720.0	740.0	750.4
CHAINAGE	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	NOSE	0+710	0+720	0+740	0+750
CURVE ELEMENT	R = ∞															
SUPER ELEVATION	-2%															

NOTES:

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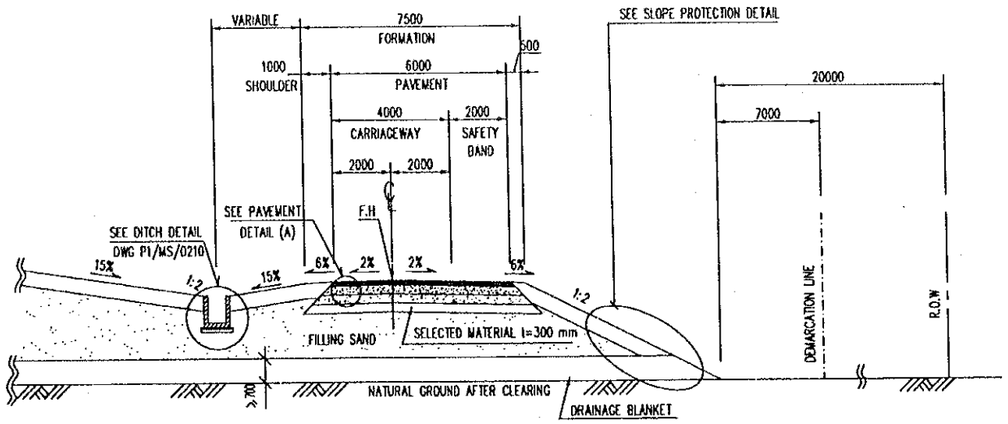
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	INTERCHANGE 1 PROFILE OF "B" RAMP(2/2)	P1/IC1/0070
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

TYPICAL CROSS SECTION

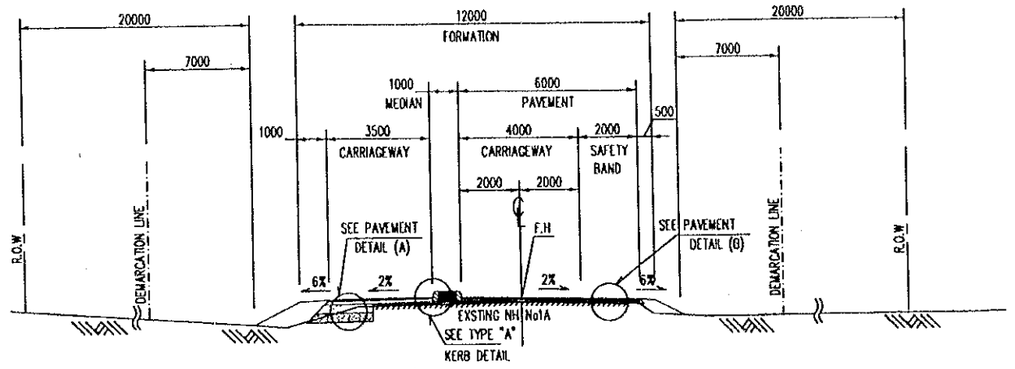
"A-1" TYPE

SCALE 1:200



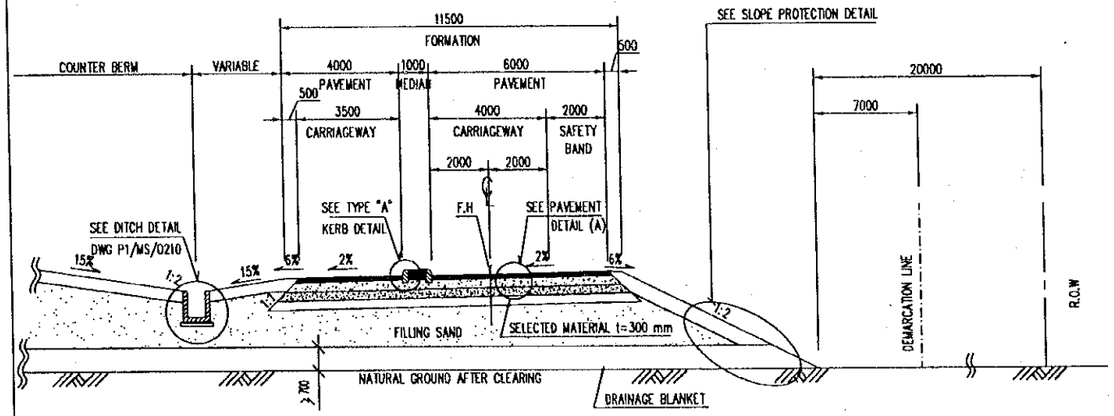
"B-1" TYPE

SCALE 1:200



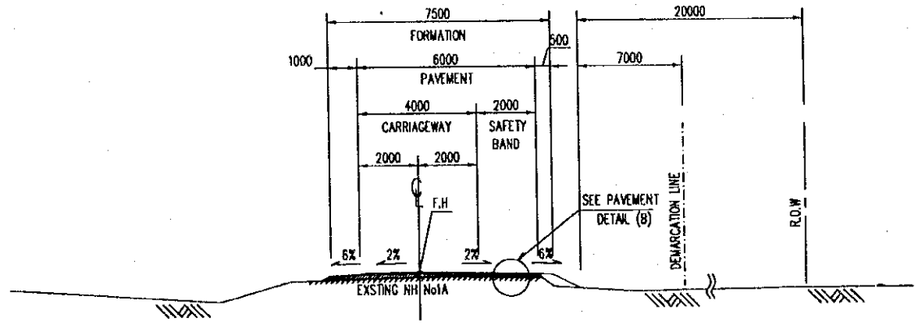
"A-2" TYPE

SCALE 1:200



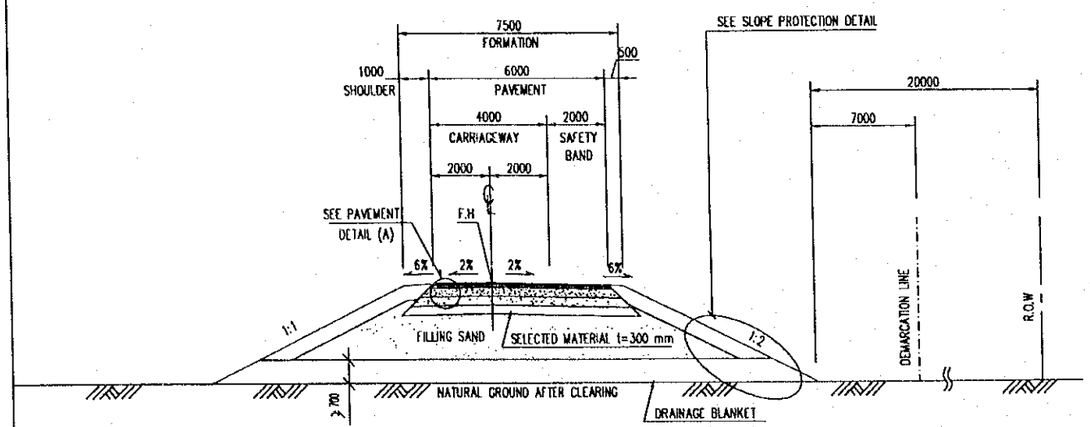
"B-2" TYPE

SCALE 1:200



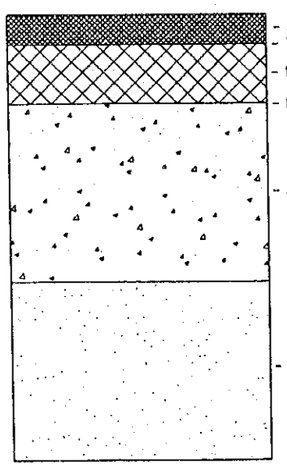
"A-3" TYPE

SCALE 1:200



PAVEMENT DETAIL (A)

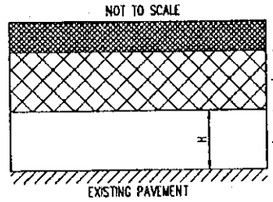
NOT TO SCALE



- 5cm ASPHALT SURFACE CONCRETE, HOTLAID
- TACK COAT, 0.6kg/sq.m
- 10cm ASPHALT BINDER CONCRETE, HOTLAID
- PRIME COAT, 2kg/sq.m
- 30cm FINE AGGREGATE BASE COURSE
- 30cm CRUSHED AGGREGATE SUBBASE COURSE

PAVEMENT DETAIL (B)

NOT TO SCALE



- 5cm ASPHALT SURFACE CONCRETE, HOTLAID
- TACK COAT, 0.6kg/sq.m
- 10cm ASPHALT BINDER CONCRETE, HOTLAID
- PRIME COAT, 2kg/kq.m
- H LEVELLING COURSE
  - H≦10cm : ASPHALT CONCRETE BE USED
  - H>10cm : CRUSHED AGGREGATE BE USED

No	RAMPWAY	CROSS-SECTION SHALL BE USED FROM KM ...TO KM ...	TYPE	REMARK
1	A	KM0+233.336 - KM0+661.701	A - 1	
2	A	KM0+661.701 - KM0+885.654	A - 2	
3	A	KM0+885.654 - KM1+125.485	A - 3	
4	B	KM0+214.123 - KM0+612.727	B - 1	
5	B	KM0+081.373 - KM0+214.123	B - 2	
6	B	KM0+612.727 - KM0+750.433	B - 2	

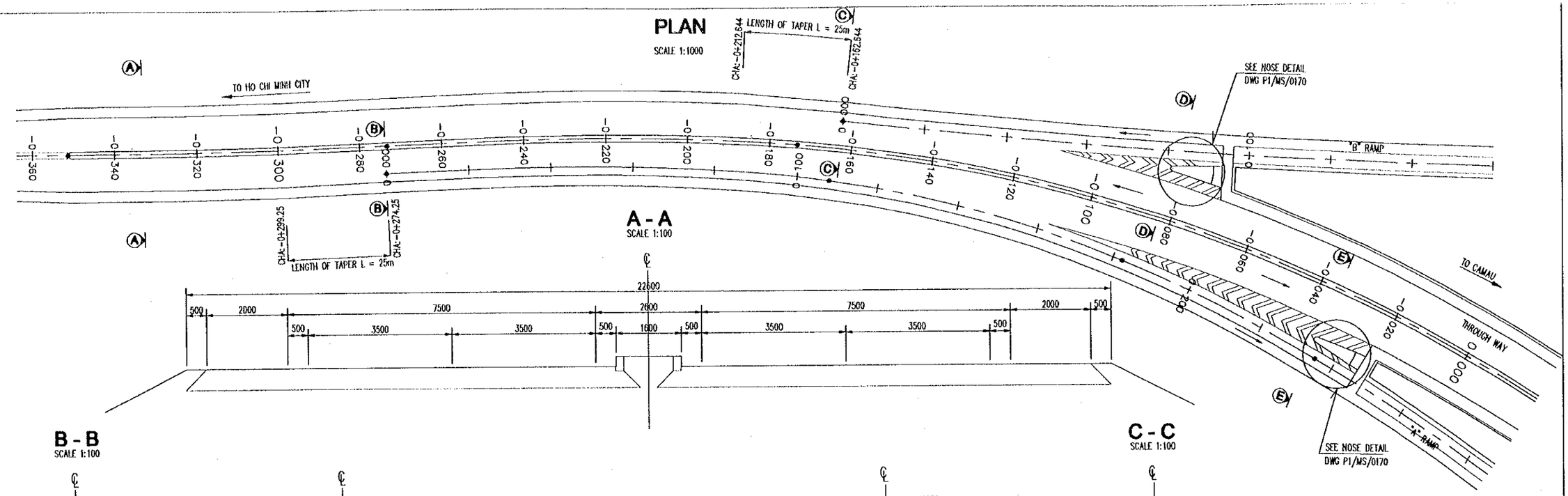
NOTES:

- NOT USING PVD FOR RAMPWAY
- SCALE AS SHOWN.
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE INDICATED.
- KERB SEE DWG P1/MS/0160.
- SLOPE PROTECTION SEE DWG P1/MS/0180 AND P1/MS/0190.
- LOCATION OF CROSS-SECTION SEE DWG P1/IC1/0020 AND P1/IC1/0030.

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	INTERCHANGE 1 TYPICAL CROSS SECTION AND PAVEMENT STRUCTURE	P1/IC1/0080
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

PLAN

SCALE 1:1000

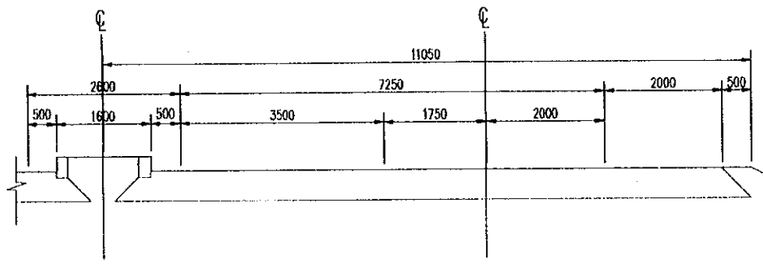


A - A

SCALE 1:100

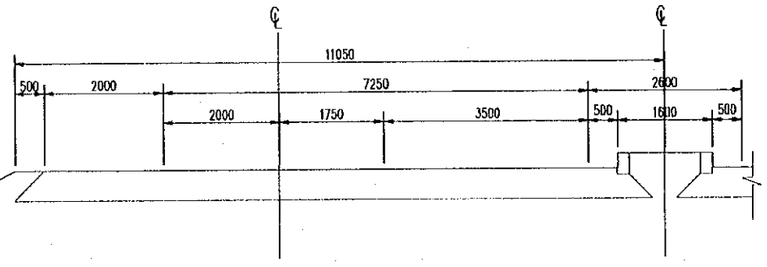
B - B

SCALE 1:100



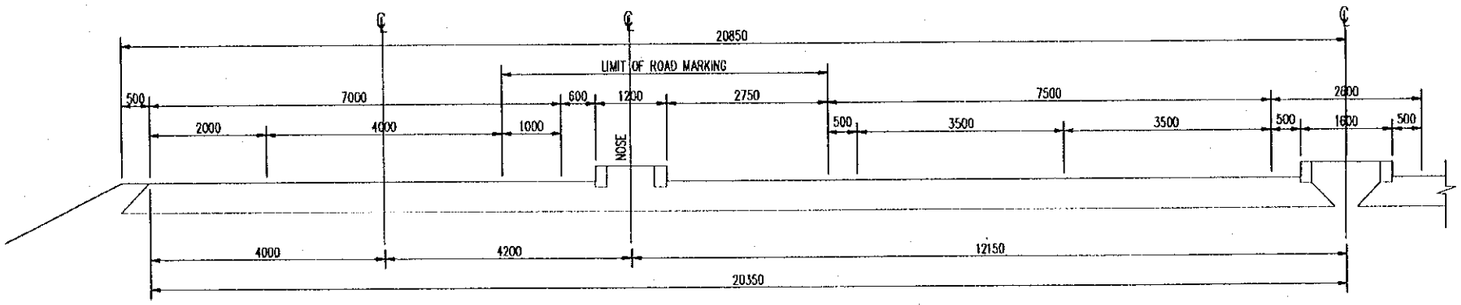
C - C

SCALE 1:100



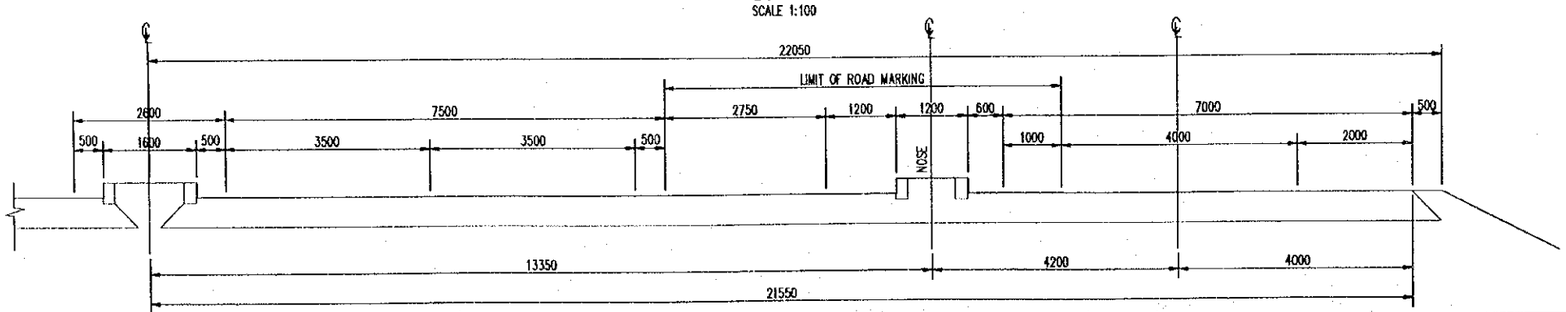
D - D

SCALE 1:100



E - E

SCALE 1:100



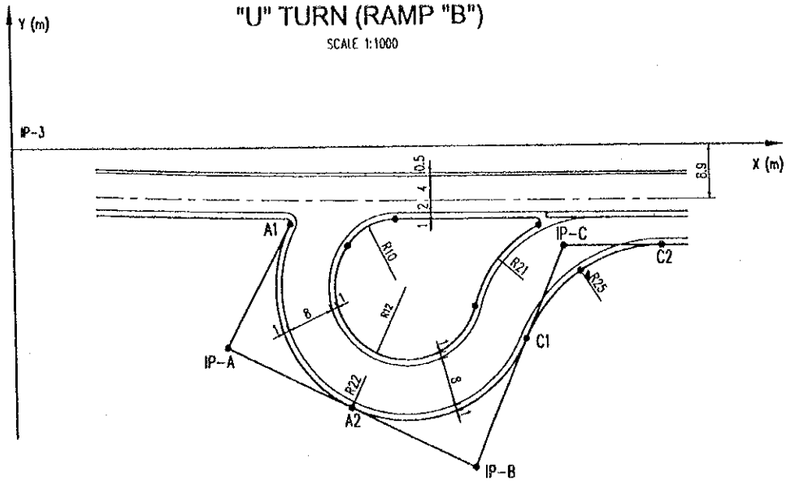
NOTES:

- SCALE AS SHOWN.
- ALL DIMENSIONS ARE IN MILLIMETERS, 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	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	INTERCHANGE 1 DETAIL OF RAMP TERMINAL	P1/IC1/0090
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

"U" TURN (RAMP "B")

SCALE 1:1000

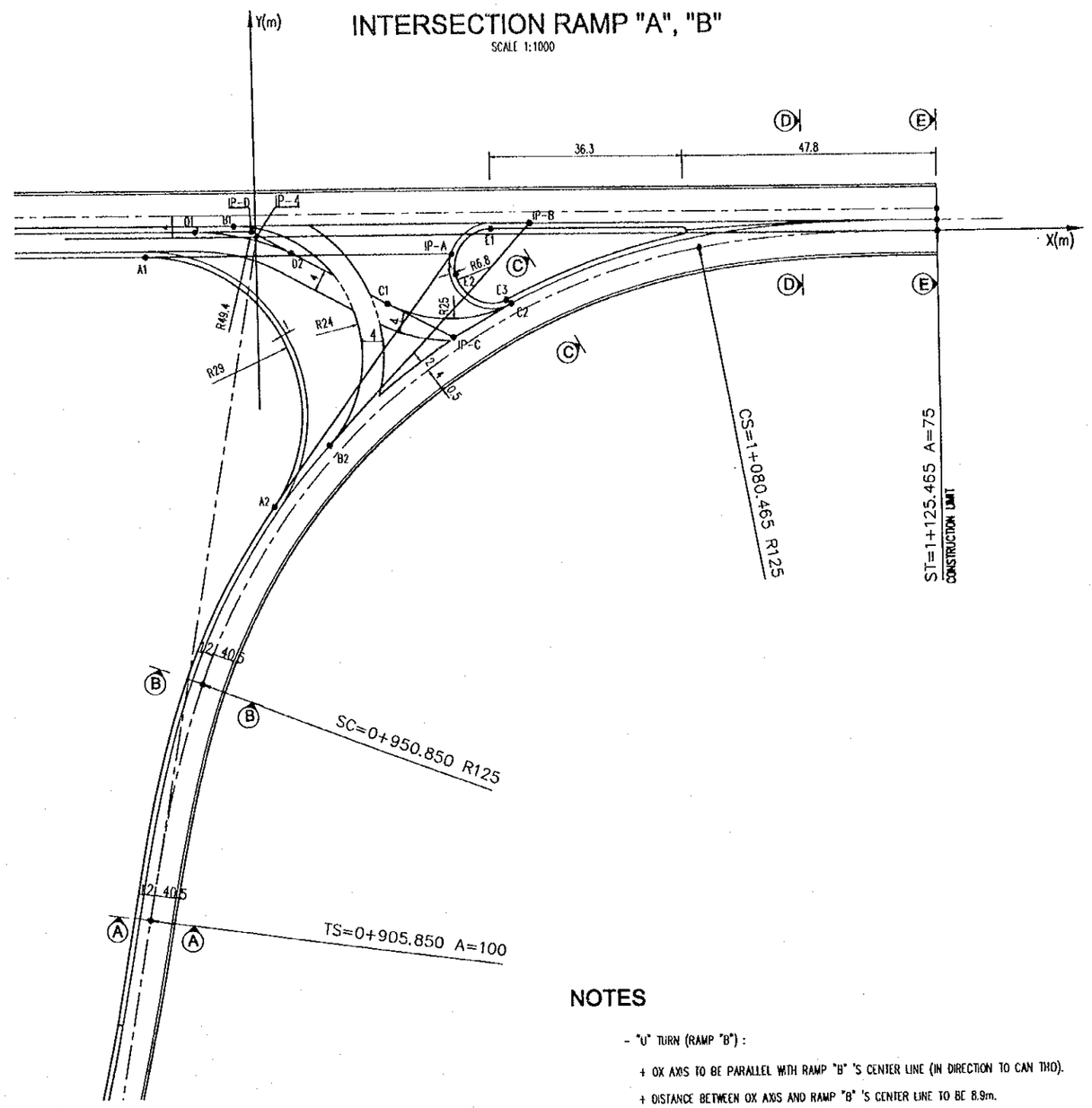


"U" TURN (RAMP "B")

POINT	X (m)	Y (m)	RADIUS (m)	IA
A1	47.016	-12.546	R=42	92°40'31"
IP-A	36.059	-32.827		
A2	56.830	-42.825		
A2	56.830	-42.825	R=42	92°40'31"
IP-B	77.600	-52.824		
C1	86.618	-31.609		
C1	86.618	-31.609	R=25	66°58'16"
IP-C	93.088	-16.389		
C2	109.626	-16.389		

INTERSECTION RAMP "A", "B"

SCALE 1:1000



LIST OF COORDINATES INTERSECTION RAMP "A", "B"

POINT	X (m)	Y (m)	RADIUS (m)	IA
A1	-20.700	-3.500	R=29	126°24'32"
IP-A	36.582	-3.500		
A2	2.498	-49.715		
B1	-4.263	2.000	R=24	133°22'01"
IP-B	51.420	2.000		
B2	13.184	-38.480		
C1	24.642	-12.475	R=25	56°56'32"
IP-C	36.618	-18.787		
C2	47.681	-12.616		
D1	-11.524	1.000	R=49.4	27°47'21"
IP-D	-0.928	1.000		
D2	6.658	-2.998		
E1	43.879	1.000		
E2	37.232	-7.235		
E3	46.685	-11.994		

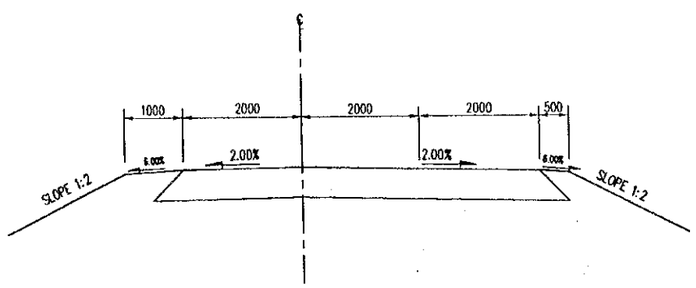
NOTES

- "U" TURN (RAMP "B") :
  - + OX AXIS TO BE PARALLEL WITH RAMP "B" 'S CENTER LINE (IN DIRECTION TO CAN THO).
  - + DISTANCE BETWEEN OX AXIS AND RAMP "B" 'S CENTER LINE TO BE 8.9m.
  - + CO-ORDINATE (0,0) TO BE POINT IP-3.
- INTERSECTION RAMP "A", "B" :
  - + OX AXIS TO BE PARALLEL WITH RAMP "B" 'S CENTER LINE (IN DIRECTION TO CAN THO).
  - + DISTANCE BETWEEN OX AXIS AND RAMP "B" 'S CENTER LINE TO BE 4.0m.
  - + CO-ORDINATE (0,0) TO BE POINT IP-4.
- CROSS-SECTION, SEE DWG P1/IC1/0110.
- ALL DIMENSIONS ARE IN METERS.

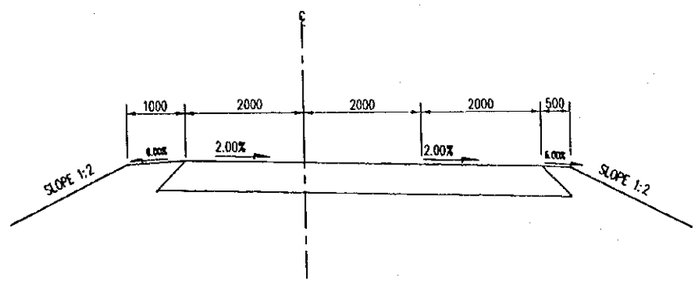
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	K. Nemoto	K. Nakai	K. Enomoto	INTERCHANGE 1 DETAIL OF INTERSECTION (1/2)	P1/IC1/0100
				SIGNATURE	K. Nemoto				
				DATE	20/9/2000	29/9/2000	5/10/2000		

CROSS - SECTION RAMP "A", "B"

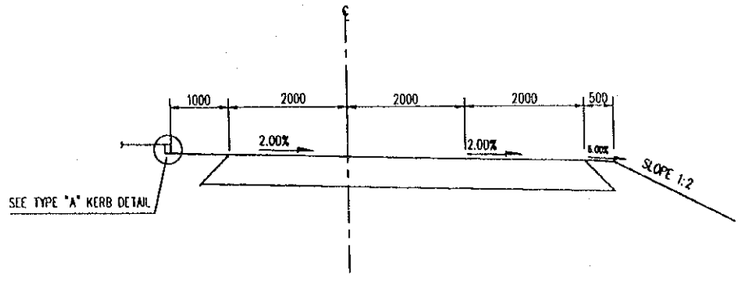
A - A
SCALE 1:100



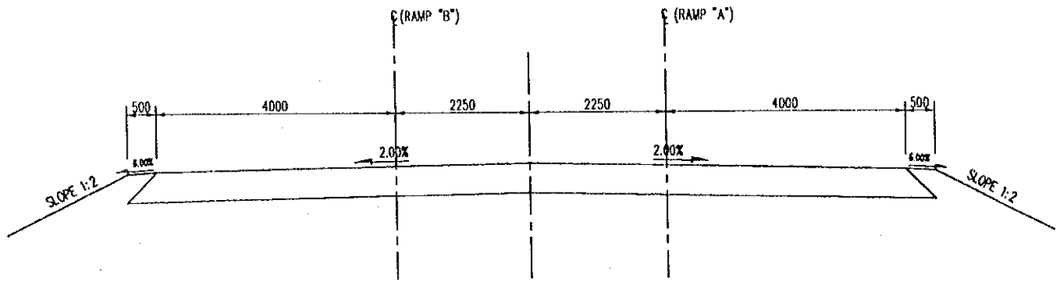
B - B
SCALE 1:100



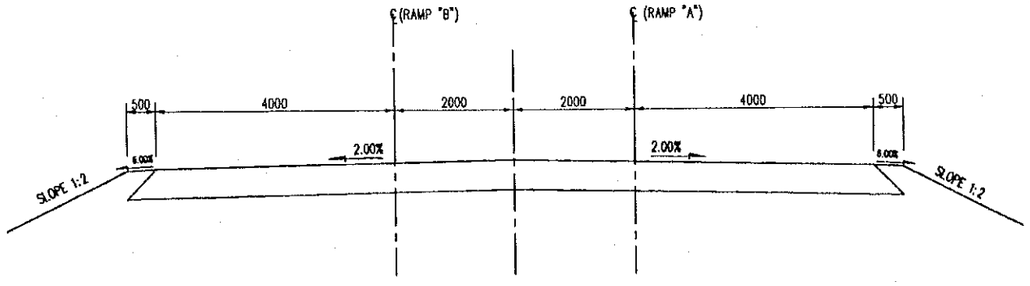
C - C
SCALE 1:100



D - D
SCALE 1:100



E - E
SCALE 1:100



NOTES:

- LOCATION OF CROSS - SECTION SEE, DWG P1/IC1/0100.
- ALL DIMENSIONS ARE IN MILIMETERS.

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	INTERCHANGE 1 DETAIL OF INTERSECTION (2/2)	P1/IC1/0110
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		