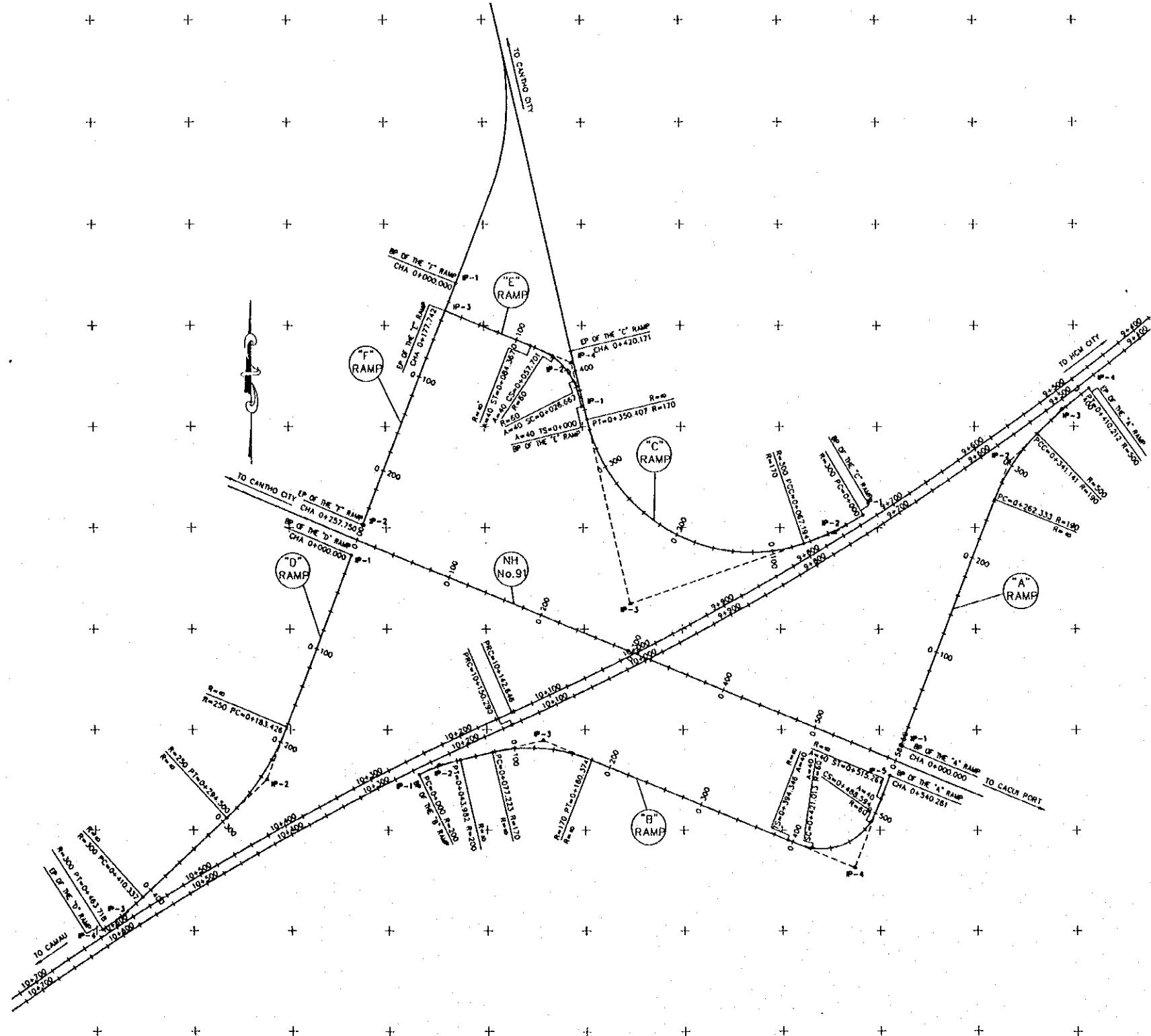


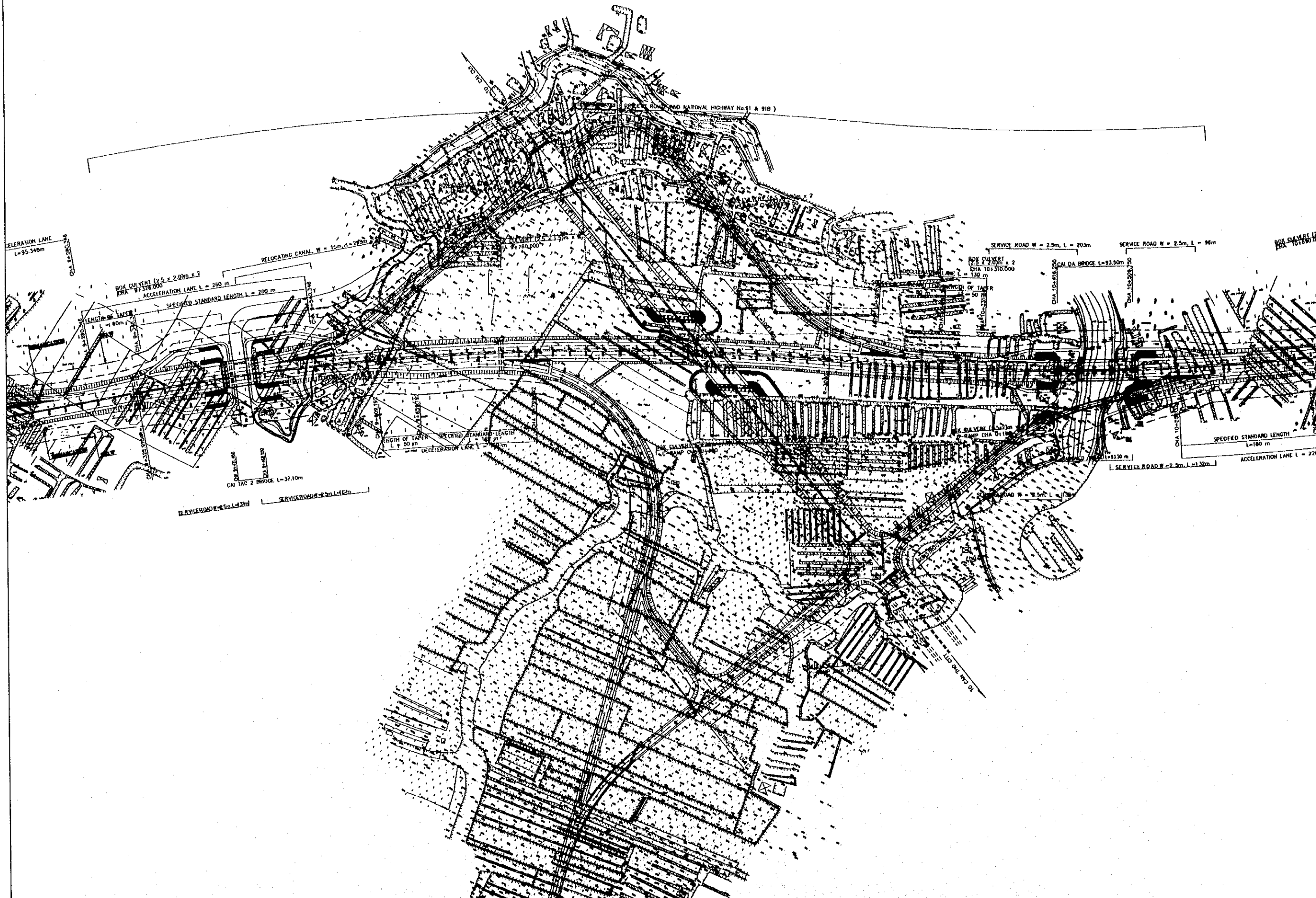
**P3/IC3 INTERCHANGE NO.3
(NH NO.91B & NH NO.91)**


DESIGN ELEMENT OF HORIZONTAL ALIGNMENT



| RAMP | IP No | IA | IP CHA | Point | Pnt CHA | Northing | Easting | Element | Direction | Length(m) | IP Distance | Azimuth |
|---------------|-------|-------------|-----------|-------|-----------|---------------|-------------|-----------|-----------|-----------|-------------|--------------|
| A | IP-1 | - | 0+000.000 | BP-A | 0+000.000 | 1 107 284.294 | 586 122.479 | Tangent | - | 262.333 | - | 201° 48' 59" |
| | | | | PC-2 | 0+262.333 | 1 107 527.839 | 586 219.971 | | | | | |
| | IP-2 | 23° 45' 54" | 0+302.312 | - | - | 1 107 564.955 | 586 234.829 | R=190.000 | Right | 78.808 | 302.312 | 225° 34' 53" |
| | | | | | | | | | | | | |
| B | IP-3 | 7° 54' 54" | 0+375.732 | - | - | 1 107 617.145 | 586 288.090 | R=500.000 | Right | 69.071 | 74.569 | 233° 29' 47" |
| | | | | | | | | | | | | |
| | IP-4 | - | 0+410.212 | - | - | 1 107 637.722 | 586 315.894 | R=170.000 | Right | 34.591 | - | 233° 29' 47" |
| | | | | | | | | | | | | |
| C | IP-1 | - | 0+000.000 | BP-B | 0+000.000 | 1 107 255.599 | 585 631.599 | - | - | - | - | 244° 26' 04" |
| | | | | | | | | | | | | |
| | IP-2 | 12° 36' 00" | 0+022.080 | - | - | 1 107 265.128 | 585 651.518 | R=200.000 | Right | 43.982 | 22.080 | 257° 02' 04" |
| | | | | | | | | | | | | |
| D | IP-3 | 34° 45' 56" | 0+130.442 | - | - | 1 108 289.480 | 585 757.290 | R=170.000 | Right | 103.151 | 108.539 | 291° 48' 00" |
| | | | | | | | | | | | | |
| | IP-4 | 90° 00' 00" | 0+468.150 | - | - | 1 107 162.846 | 586 073.899 | R=60.000 | Left | 67.581 | 340.995 | 201° 48' 00" |
| | | | | | | | | | | | | |
| E | IP-5 | - | 0+540.261 | - | - | 1 107 254.584 | 586 110.591 | R=40.000 | Left | 26.667 | - | - |
| | | | | | | | | | | | | |
| | IP-1 | - | 0+000.000 | BP-C | 0+000.000 | 1 107 512.765 | 586 085.056 | - | - | - | - | 58° 36' 52" |
| | | | | | | | | | | | | |
| F | IP-2 | 12° 49' 59" | 0+033.738 | - | - | 1 107 495.194 | 586 056.254 | R=300.000 | Right | 67.194 | 33.738 | 71° 26' 51" |
| | | | | | | | | | | | | |
| | IP-4 | 95° 27' 09" | 0+254.193 | - | - | 1 107 424.962 | 585 846.988 | R=170.000 | Right | 283.213 | 220.738 | 166° 51' 00" |
| | | | | | | | | | | | | |
| G | IP-5 | - | 0+420.171 | - | - | 1 107 675.043 | 585 788.792 | - | - | - | 256.763 | 166° 54' 00" |
| | | | | | | | | | | | | |
| | IP-1 | - | 0+000.000 | BP-D | 0+000.000 | 1 107 473.134 | 585 564.178 | - | - | - | - | 21° 48' 00" |
| | | | | | | | | | | | | |
| H | IP-2 | 25° 27' 23" | 0+239.895 | - | - | 1 107 250.395 | 585 475.088 | R=250.000 | Right | 111.074 | 239.895 | 47° 15' 23" |
| | | | | | | | | | | | | |
| | IP-3 | 10° 11' 42" | 0+437.098 | - | - | 1 107 115.284 | 585 328.894 | R=300 | - | 53.381 | 199.067 | 57° 27' 05" |
| | | | | | | | | | | | | |
| I | IP-4 | - | 0+463.718 | - | - | 1 107 100.886 | 585 306.336 | R=300 | - | 53.381 | - | 57° 27' 05" |
| | | | | | | | | | | | | |
| | IP-1 | - | 0+000.000 | BP-E | 0+000.000 | 1 107 619.732 | 585 799.353 | - | - | - | - | 166° 54' 00" |
| | | | | | | | | | | | | |
| J | IP-2 | 55° 06' 00" | 0+044.869 | - | - | 1 107 663.433 | 585 789.183 | A=40.000 | Left | 26.667 | 44.869 | 111° 48' 00" |
| | | | | | | | | | | | | |
| | IP-3 | - | 0+177.742 | - | - | 1 107 714.773 | 585 660.826 | R=60.000 | Left | 31.034 | - | 111° 48' 00" |
| | | | | | | | | | | | | |
| K | IP-1 | - | 0+000.000 | BP-F | 0+000.000 | 1 107 742.163 | 585 671.781 | - | - | - | - | 21° 48' 00" |
| | | | | | | | | | | | | |
| | IP-2 | - | 0+257.750 | - | - | 1 107 502.846 | 585 576.061 | A=40.000 | Left | 26.667 | 257.750 | 21° 48' 00" |
| | | | | | | | | | | | | |
| NH No.91-RAMP | IP-1 | - | 0+000.000 | BP-OR | 0+000.000 | 1 107 487.990 | 585 570.119 | - | - | - | - | 291° 48' 00" |
| | | | | | | | | | | | | |

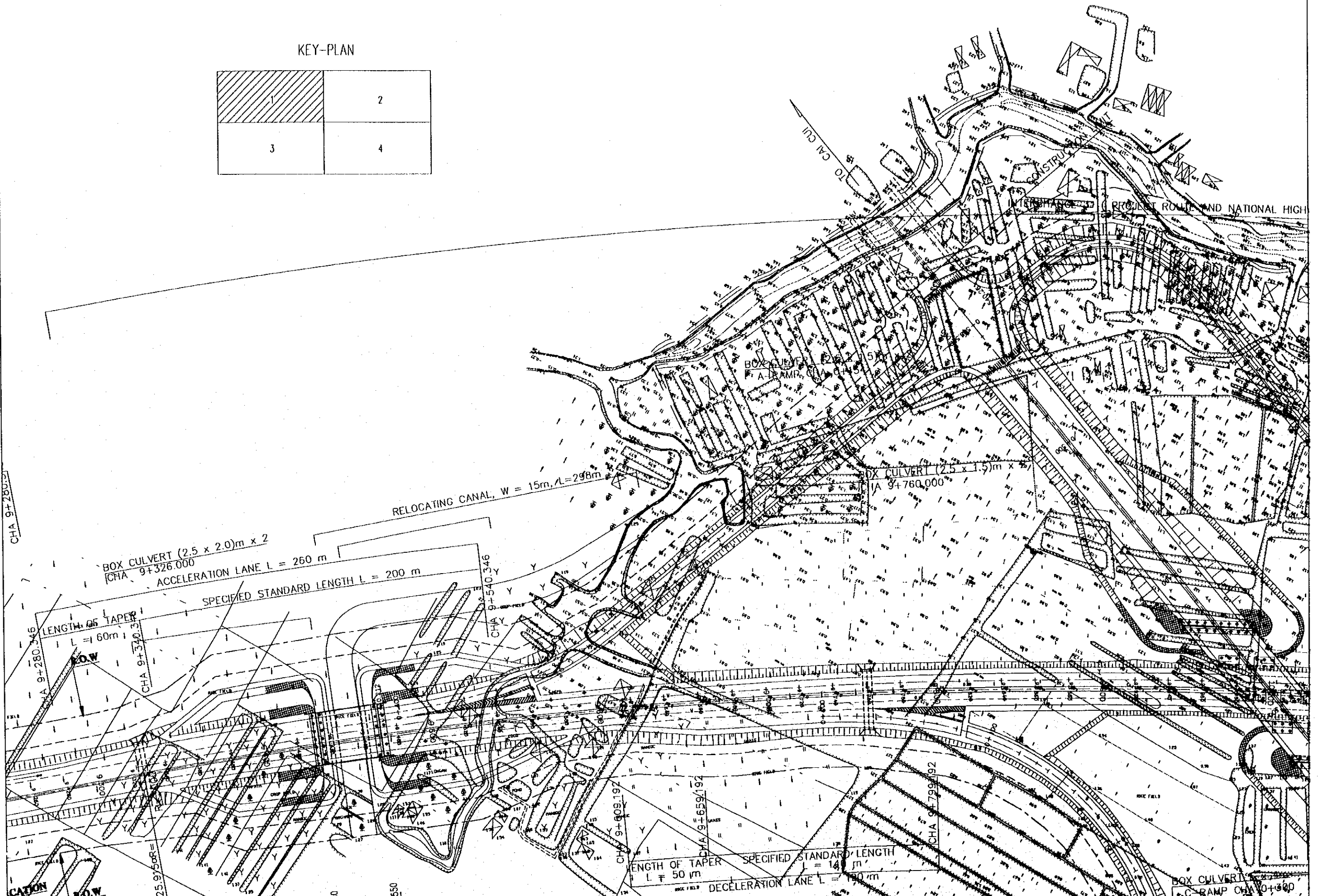
| | | | | | | | | | |
|--|--|---|---|-------------|------------|-------------|---|------------------------|------------|
| PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | IMPLEMENTATION AGENCY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | JICA STUDY TEAM NIPPON KOEI CO.,LTD. | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE INTERCHANGE 3 ALIGNMENT LAYOUT AND GEOMETRIC DATA SCALE 1:5000 | DWG NO. P3/IC3/0010 | |
| | | | | NAME | K. Nemoto | K. Nakai | | | K. Enomoto |
| | | | | 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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT |  NIPPON KOEI CO., LTD. | NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000 | NAME K. Nakai SIGNATURE <i>K. Nakai</i> DATE 29/9/2000 | NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000 | INTERCHANGE 3 PLAN SCALE 1:4000 | P3/IC3/0020 |

KEY-PLAN

| | |
|---|---|
| 1 | 2 |
| 3 | 4 |

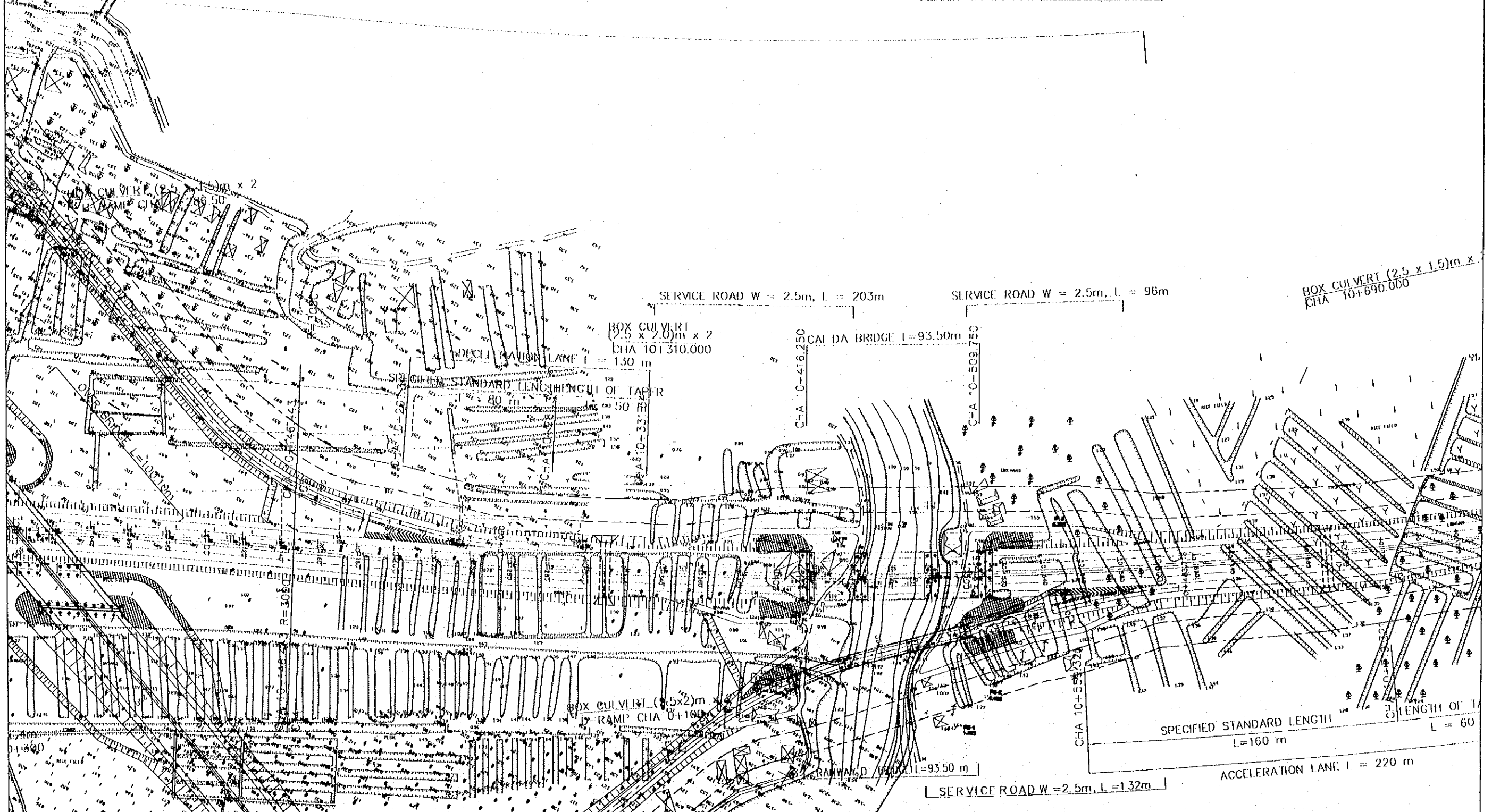


| | | | | | | | | |
|---|--|--|--|---|--|---|--|------------------------------|
| PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (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 INTERCHANGE 3 PLAN(1/4) SCALE 1:2000 | DWG NO. P3/C3/0030 |
|---|--|--|--|---|--|---|--|------------------------------|

KLY-PLAN

| | |
|---|---|
| 1 | 2 |
| 3 | 4 |

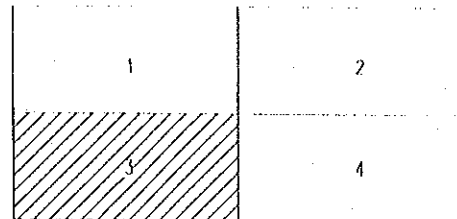
AI HIGHWAY No.91 & 91B)





| | | | | | | | | | |
|--|--|---|--|-------------|------------------|-----------------|---|------------------------|-------------------|
| PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | JICA STUDY TEAM NIPON KOEI CO.,LTD. | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE INTERCHANGE 3 PLAN(2/4) SCALE 1:2000 | DWG NO. P3/IC3/0040 | |
| | | | | 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 | | | | | | |



KEY PLAN



| | | | | | | | | | |
|---|---|--|--|----------------------------------|--|---|--|--|-------------------------------|
| PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | IMPLEMENTATION AGENCY  JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | JICA STUDY TEAM  NIPPON KOEI CO.,LTD. | NAME SIGNATURE DATE | PREPARED BY K. Nemoto <i>K. Nemoto</i> 20/9/2000 | CHECKED BY K. Nakai <i>K. Nakai</i> 29/9/2000 | APPROVED BY K. Enomoto <i>K. Enomoto</i> 5/10/2000 | DRAWING TITLE INTERCHANGE 3 PLAN(3/4) SCALE 1:2000 | DWG NO. P3/IC3/0050 |
|---|---|--|--|----------------------------------|--|---|--|--|-------------------------------|



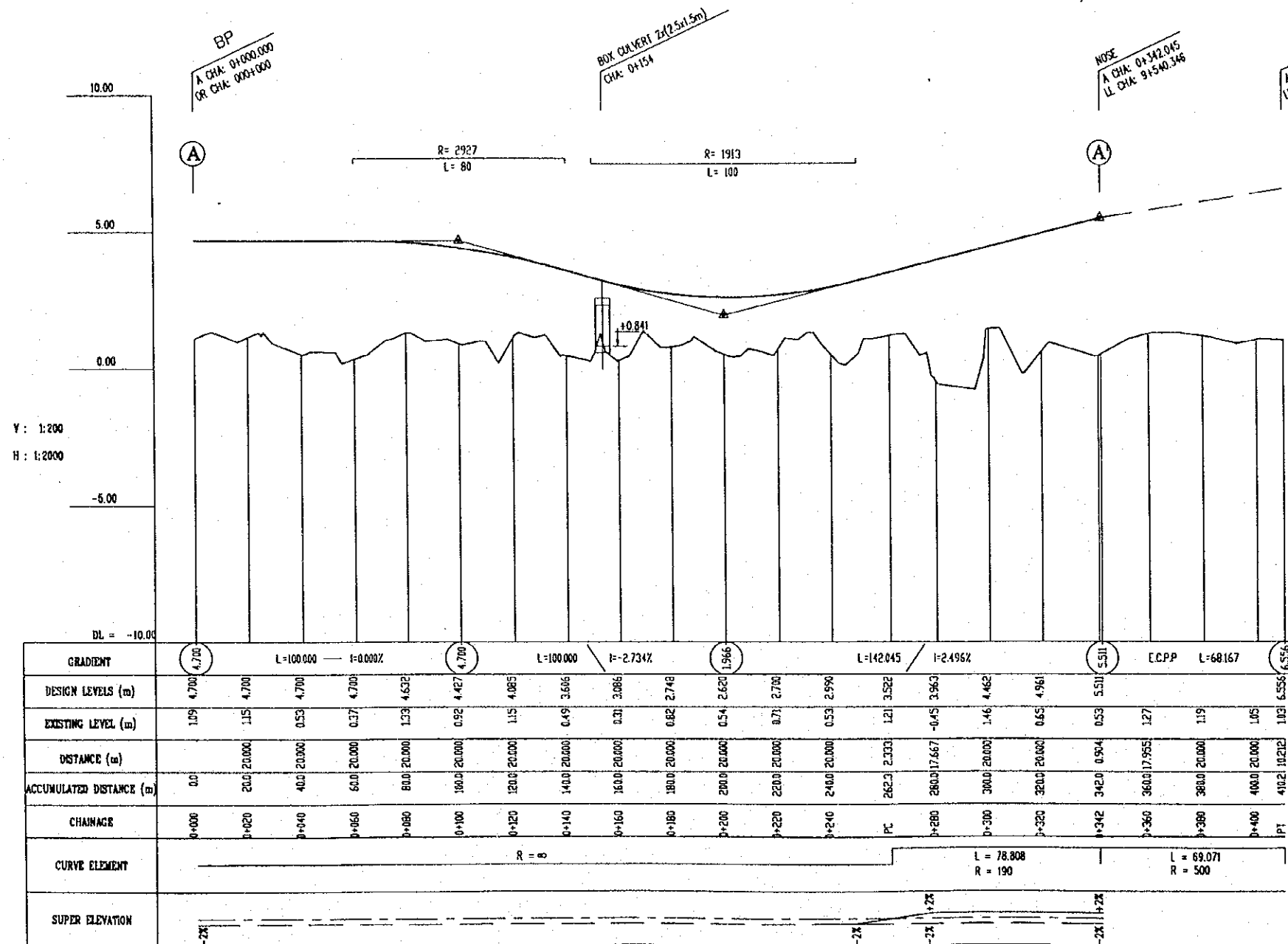
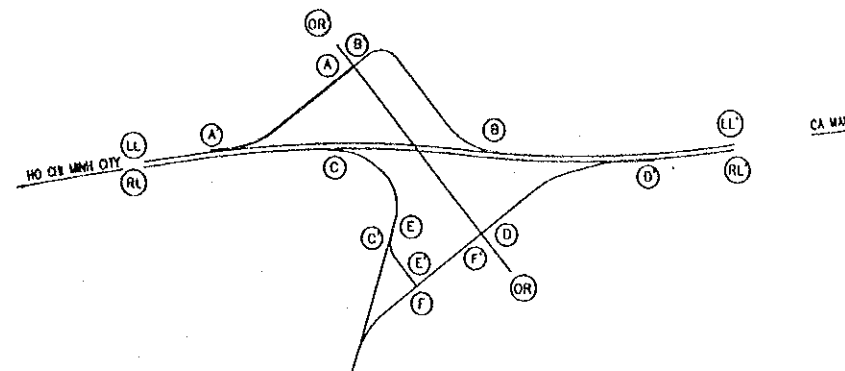
KEY-PLAN

| | |
|---|---|
| 1 | 2 |
| 3 | 4 |

| | | | | | | | | |
|---|---|--|--|---|--|---|--|-------------------------------|
| PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | IMPLEMENTATION AGENCY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | JICA STUDY TEAM NIPPON KOKI CO.,LTD. | PREPARED BY NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000 | CHECKED BY K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | APPROVED BY K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | DRAWING TITLE INTERCHANGE 3 PLAN(4/4) SCALE 1:2000 | DWG NO. P3/IC3/0060 |
|---|---|--|--|---|--|---|--|-------------------------------|

KEY - PLAN

Not to scale

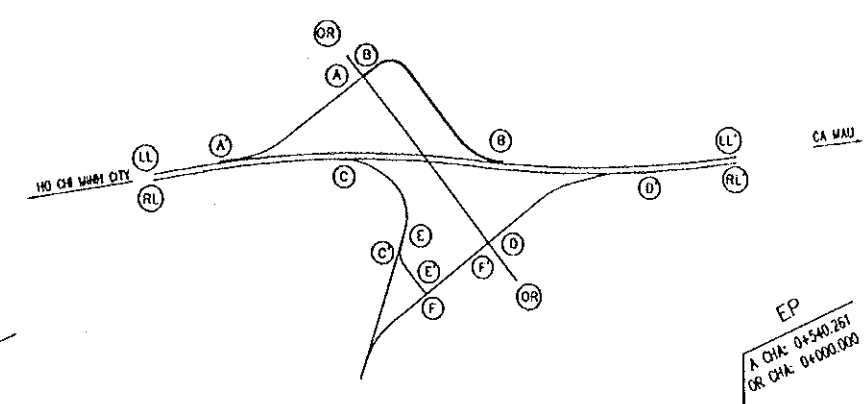


NOTES:

- 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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | NAME K. Nemoto SIGNATURE <i>K. Nemoto</i> DATE 20/9/2000 | NAME K. Nakai SIGNATURE <i>K. Nakai</i> DATE 29/9/2000 | NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000 | INTRCHANGE 3 PROFILE OF 'A' RAMP | P3/IC3/0070 |

KEY - PLAN
Not to scale

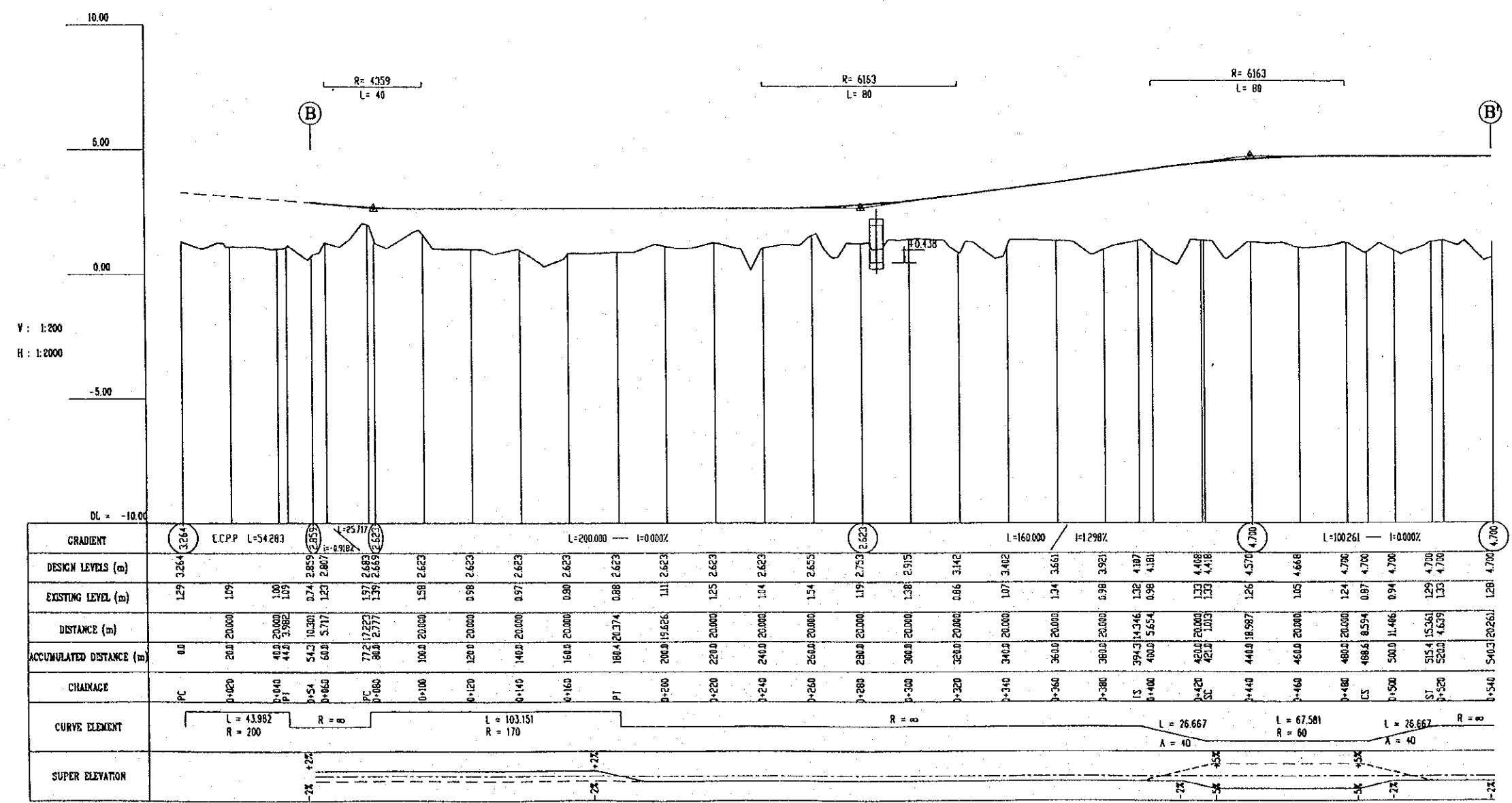


BP
B CHK: 0+000.000
LL CHK: 10+256.079

NOSE
A CHK: 0+542.83
TW CHK: 10+201.541

BOX CULVERT 2x(2.5x1.5m)
CHK: 0+286.50

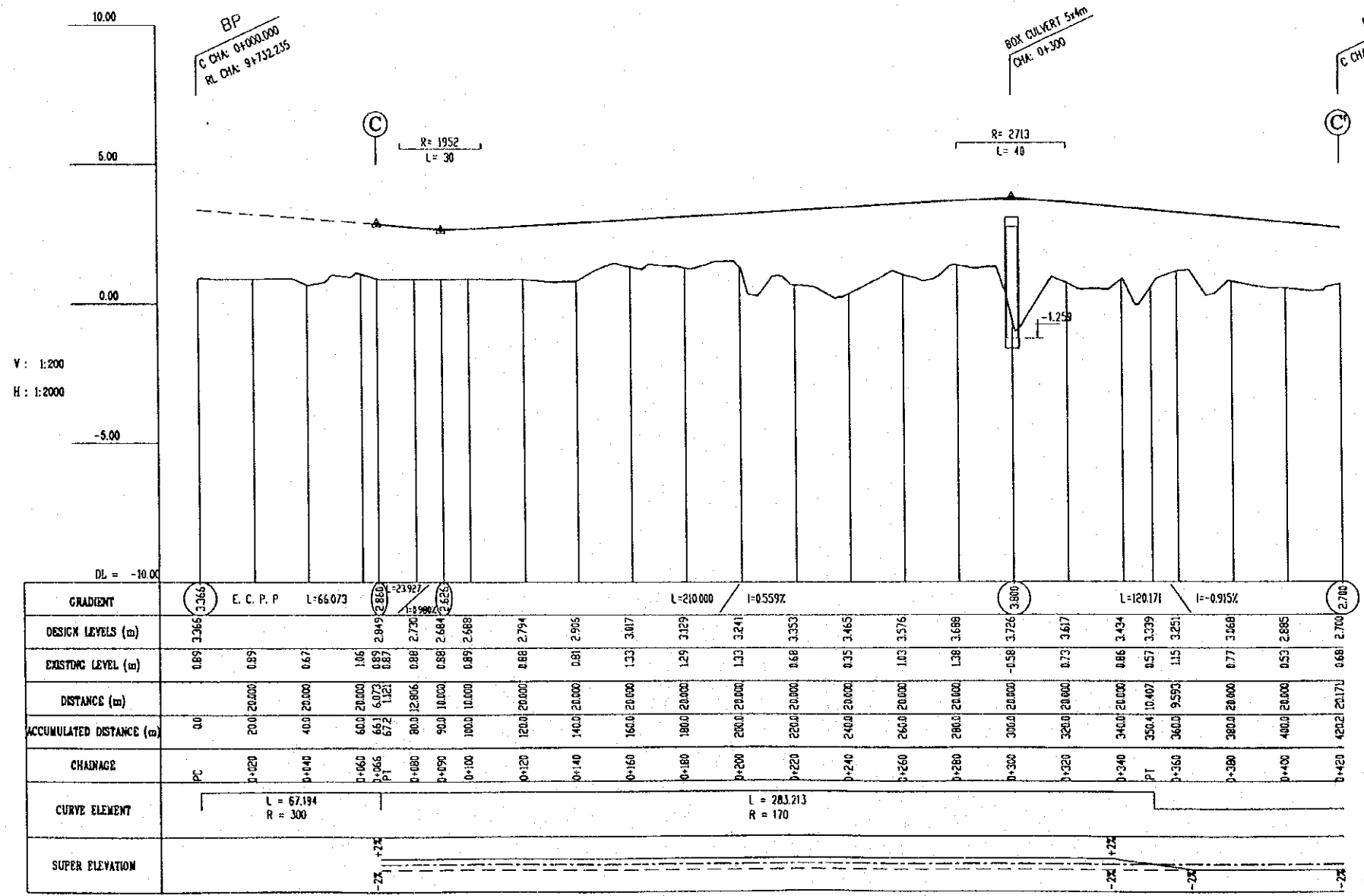
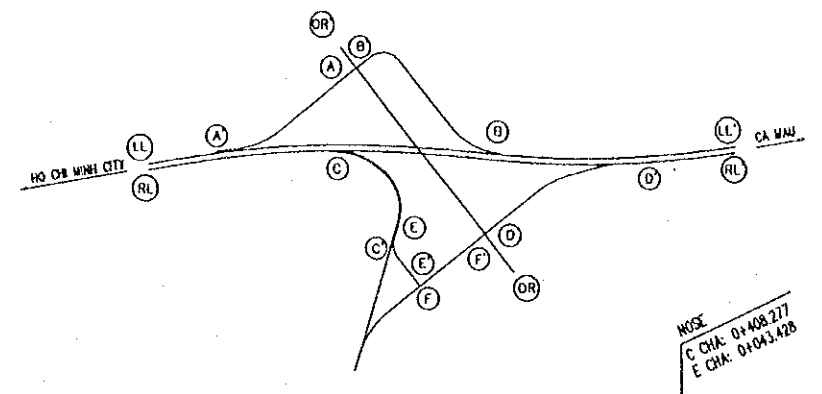
EP
A CHK: 0+540.261
OR CHK: 0+000.000



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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | K. Nemoto | K. Nakai | K. Enomoto | INTERCHANGE 3 PROFILE OF "B" RAMP | P3/IC3/0080 |
| | | | | SIGNATURE | SIGNATURE | SIGNATURE | | |
| | | | | DATE | DATE | DATE | | |

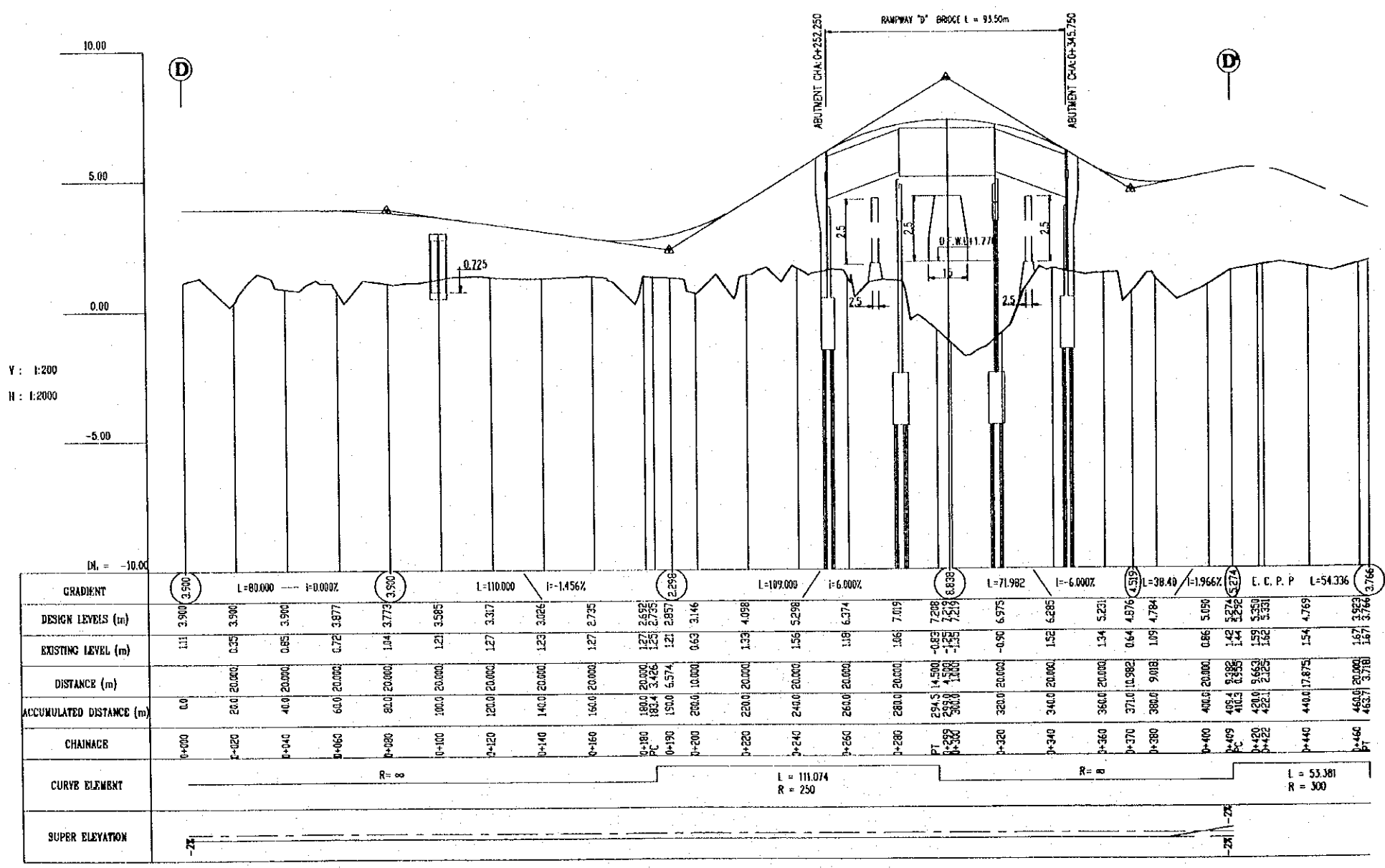
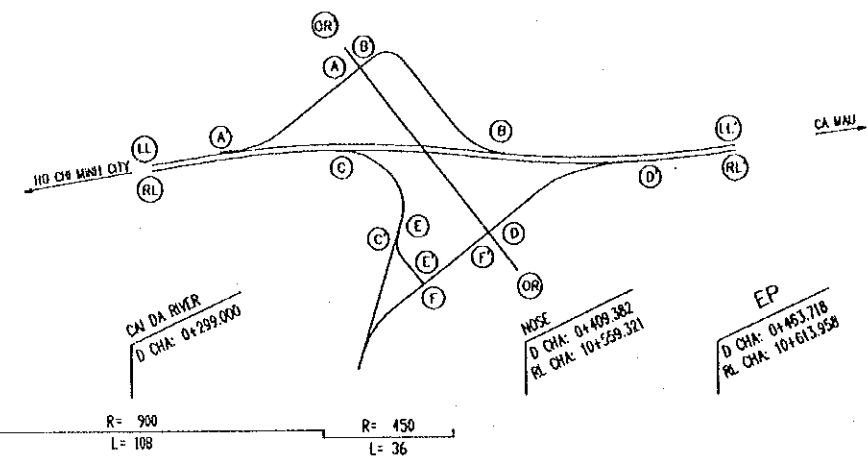
KEY - PLAN
Not to scale



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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERCHANGE 3 PROFILE OF "C" RAMP | P3/IC3/0090 |

KEY - PLAN
Not to scale

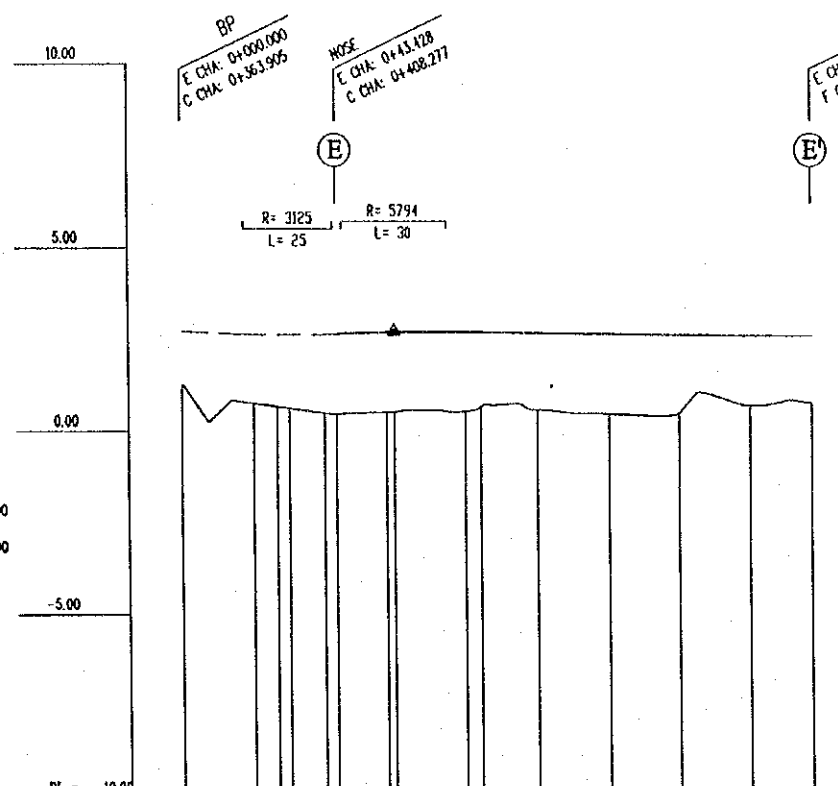
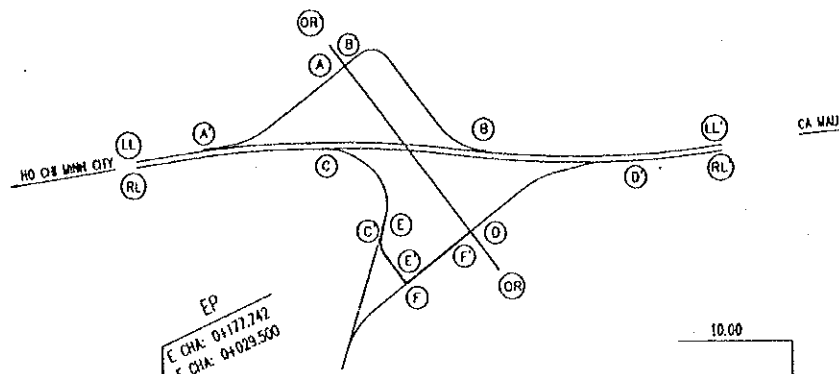


NOTES:
- SCALE AS SHOWN.
- ALL UNITS ARE IN METERS,
UNLESS OTHERWISE INDICATED.

| 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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | NIPPON KOEI CO., LTD. | K. Nemoto | K. Nakai | K. Enomoto | INTERCHANGE 3 PROFILE OF "D" RAMP | P3/C3/0100 |
| | | | | DATE: 20/9/2000 | DATE: 29/9/2000 | DATE: 5/10/2000 | | |

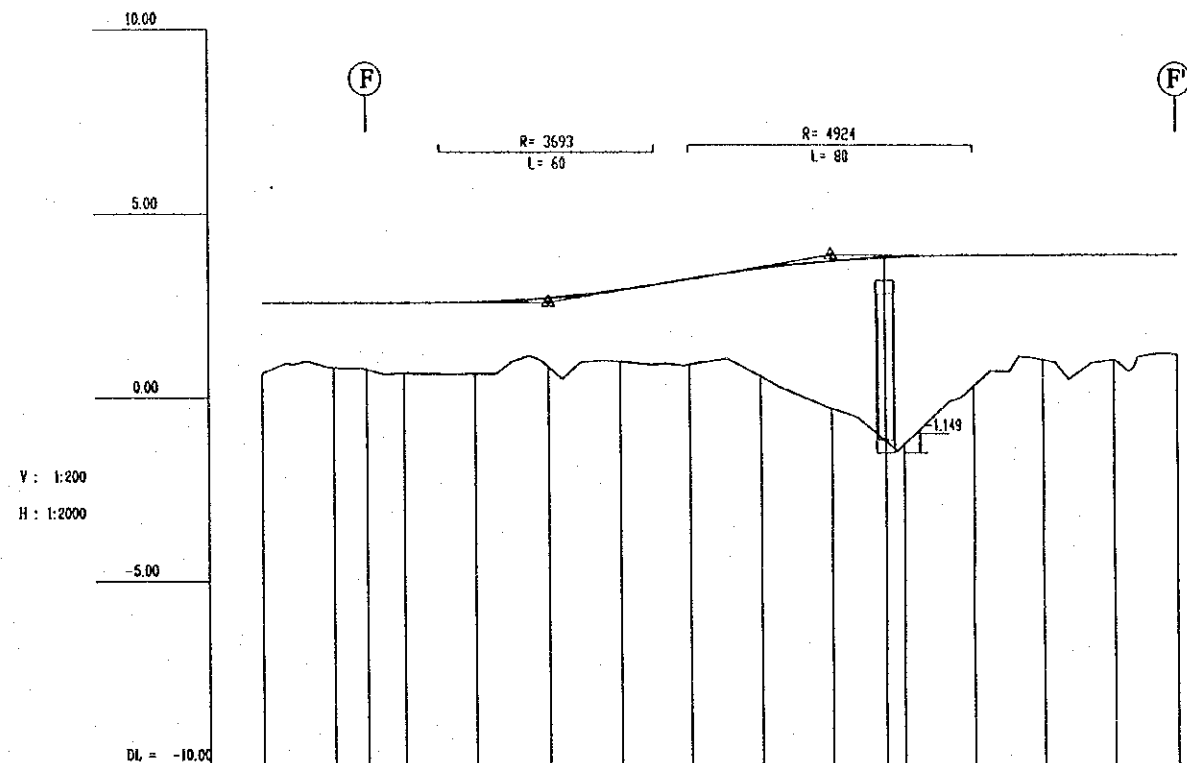
KEY - PLAN

Not to scale



V: 1:200
H: 1:2000

| | | | | | | | |
|--------------------------|----------------------|--------|----------------------|---------|----------------------|---------|---------|
| GRADIENT | E.C.P.P. L=43.428 | | L=117.742 | | I=0.004% | | 2.600 |
| DESIGN LEVELS (m) | 2.715 | 2.639 | 2.624 | 2.600 | 2.585 | 2.570 | 2.555 |
| EXISTING LEVEL (m) | 1.25 | 0.76 | 0.67 | 0.58 | 0.53 | 0.55 | 0.66 |
| DISTANCE (m) | | 20.000 | 36.7 | 57.7 | 80.0 | 84.4 | 100.0 |
| ACCUMULATED DISTANCE (m) | 0.0 | 20.0 | 56.7 | 114.4 | 194.4 | 278.8 | 378.8 |
| CHAINAGE | 0+000 | 0+020 | 0+036.7 | 0+057.7 | 0+080.0 | 0+084.4 | 0+100.0 |
| CURVE ELEMENT | L = 26.667 A = 40 | | L = 31.034 R = 60 | | L = 26.667 A = 40 | | R = 0 |
| SUPER ELEVATION | | | | | | | |



V: 1:200
H: 1:2000

| | | | | | | | | |
|--------------------------|----------|--------|----------|--------|----------|--------|--------|-------|
| GRADIENT | L=80.000 | | L=80.000 | | L=97.750 | | 3.900 | |
| DESIGN LEVELS (m) | 2.600 | 2.600 | 2.600 | 2.614 | 2.722 | 2.999 | 3.250 | |
| EXISTING LEVEL (m) | 0.67 | 0.63 | 0.68 | 0.65 | 0.84 | 0.99 | 0.92 | |
| DISTANCE (m) | | 20.000 | 20.000 | 20.000 | 20.000 | 20.000 | 20.000 | |
| ACCUMULATED DISTANCE (m) | 0.0 | 20.0 | 40.0 | 60.0 | 80.0 | 100.0 | 120.0 | |
| CHAINAGE | 0+000 | 0+020 | 0+040 | 0+060 | 0+080 | 0+100 | 0+120 | |
| CURVE ELEMENT | R = 0 | | | | | | | R = 0 |
| SUPER ELEVATION | | | | | | | | |

NOTES:
- SCALE AS SHOWN
- ALL UNITS ARE IN METERS,
UNLESS OTHERWISE INDICATED.

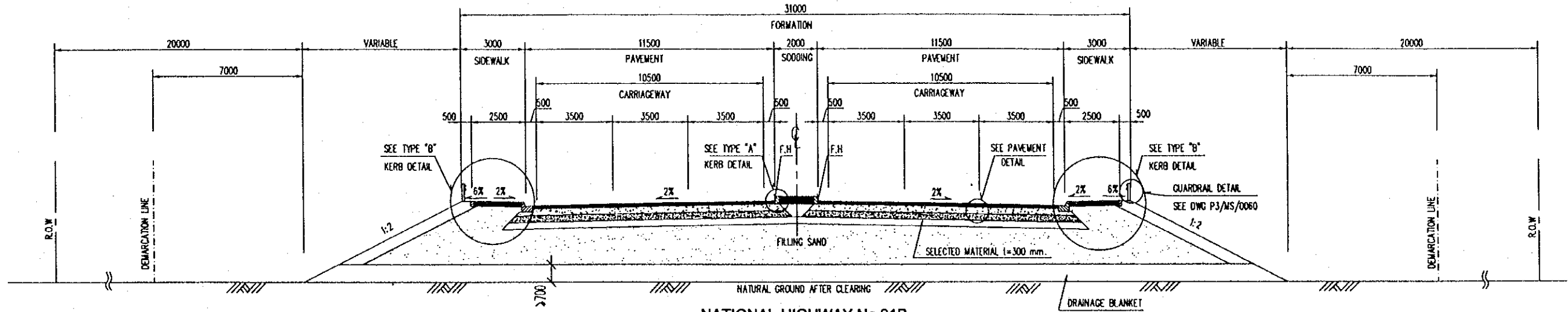
| | | | | | | | | |
|--|--|---|-------------------------|-------------|------------|-------------|---|------------|
| PROJECT NAME | IMPLEMENTATION AGENCY | EXECUTING AGENCY | JICA STUDY TEAM | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE | DWG NO. |
| DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | NK NIPPON KOEI CO.,LTD. | K. Nemoto | K. Nakai | K. Enomoto | INTERCHANGE 3 PROFILE OF "E", "F" RAMPS | P3/C3/0110 |
| | | | | SIGNATURE | SIGNATURE | SIGNATURE | | |
| | | | | DATE | DATE | DATE | | |
| | | | | 20/9/2000 | 29/9/2000 | 5/10/2000 | | |

TYPICAL CROSS SECTION

NATIONAL HIGHWAY No.91B

EMBANKMENT HEIGHT < 5m

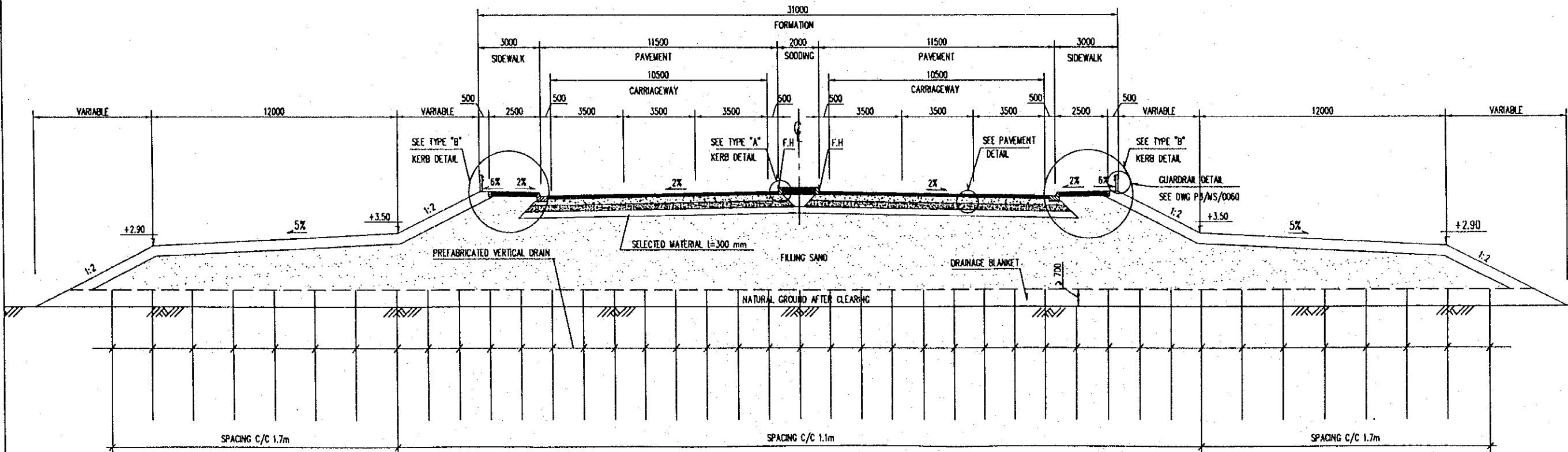
SCALE 1:200



NATIONAL HIGHWAY No.91B

EMBANKMENT HEIGHT ≥ 5m

SCALE 1:200



NOTES:

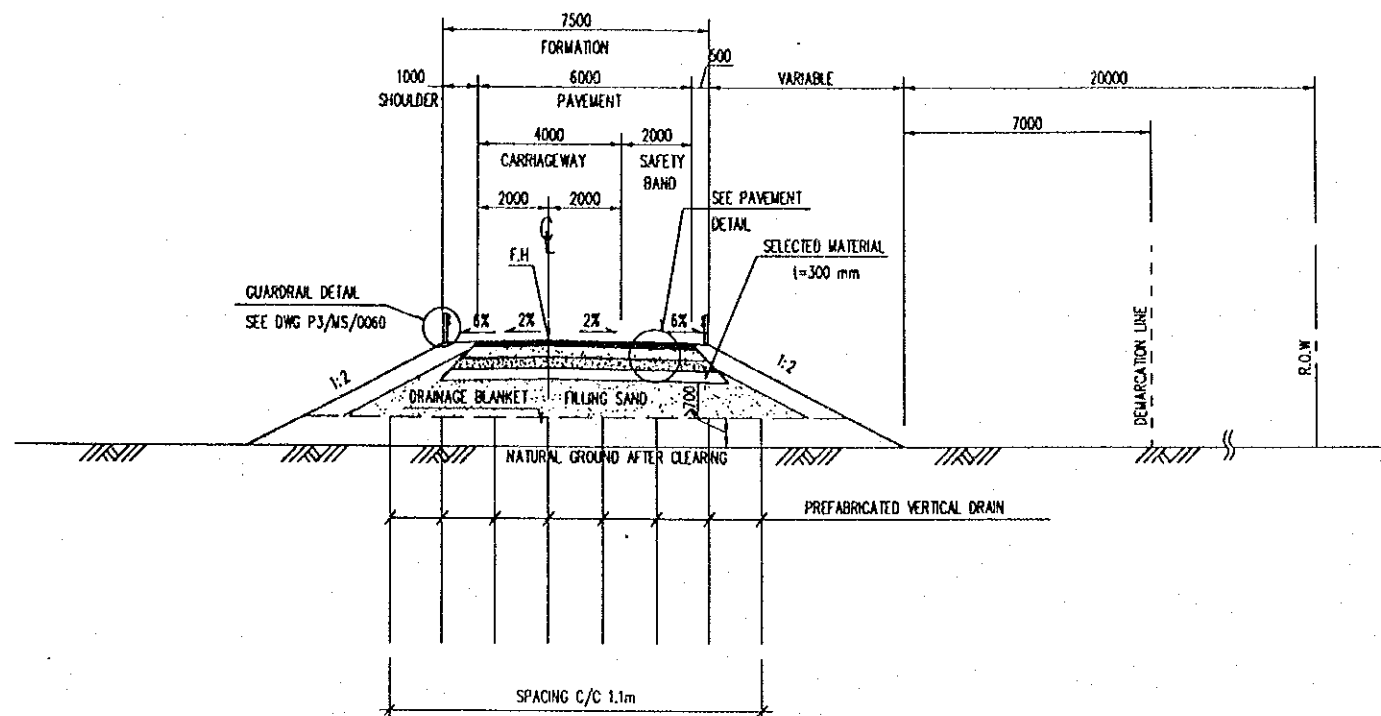
- EMBANKMENT HEIGHT < 3m PVD IS NOT USED.
- SCALE AS SHOWN.
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE INDICATED.
- KERB SEE DWG P3/MS/0160.
- SLOPE PROTECTION SEE DWG P3/MS/0190, P3/MS/0200.

| 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 | NAME K. Nakai SIGNATURE <i>K. Nakai</i> DATE 29/9/2000 | NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000 | INTERCHANGE 3 TYPICAL CROSS SECTION AND PAVEMENT STRUCTURE(1/2) | P3/IC3/0130 |

TYPICAL CROSS SECTION

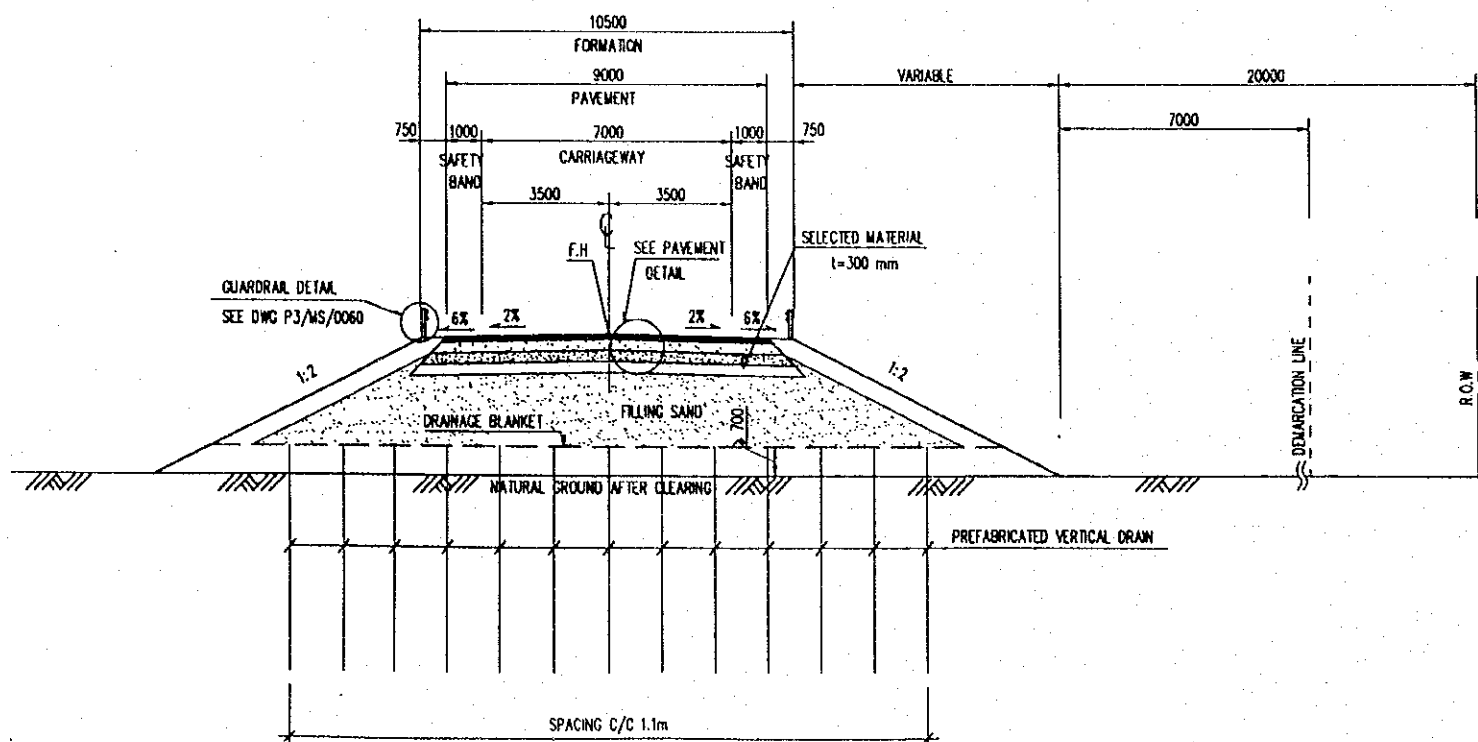
"B", "D", "E" RAMP

SCALE 1:200



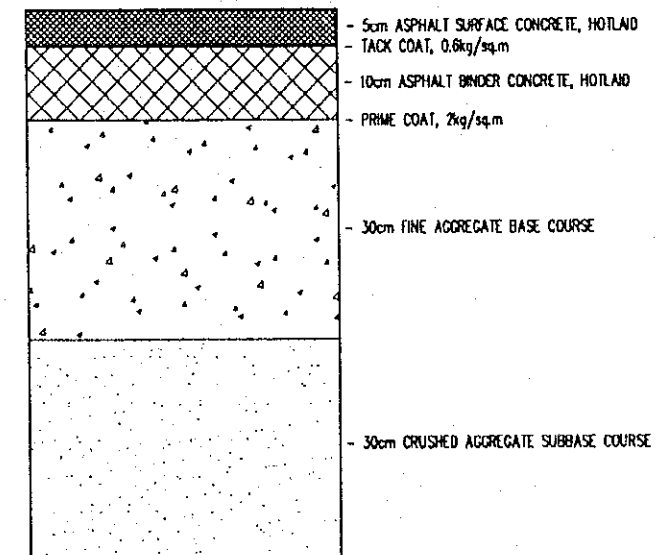
"A", "C", "F" RAMP

SCALE 1:200



PAVEMENT DETAIL

NOT TO SCALE

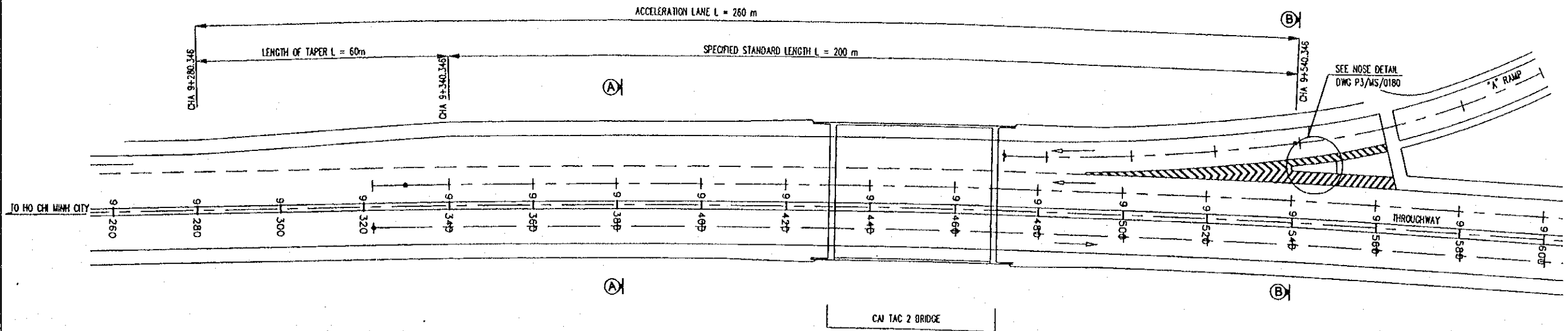


NOTES:

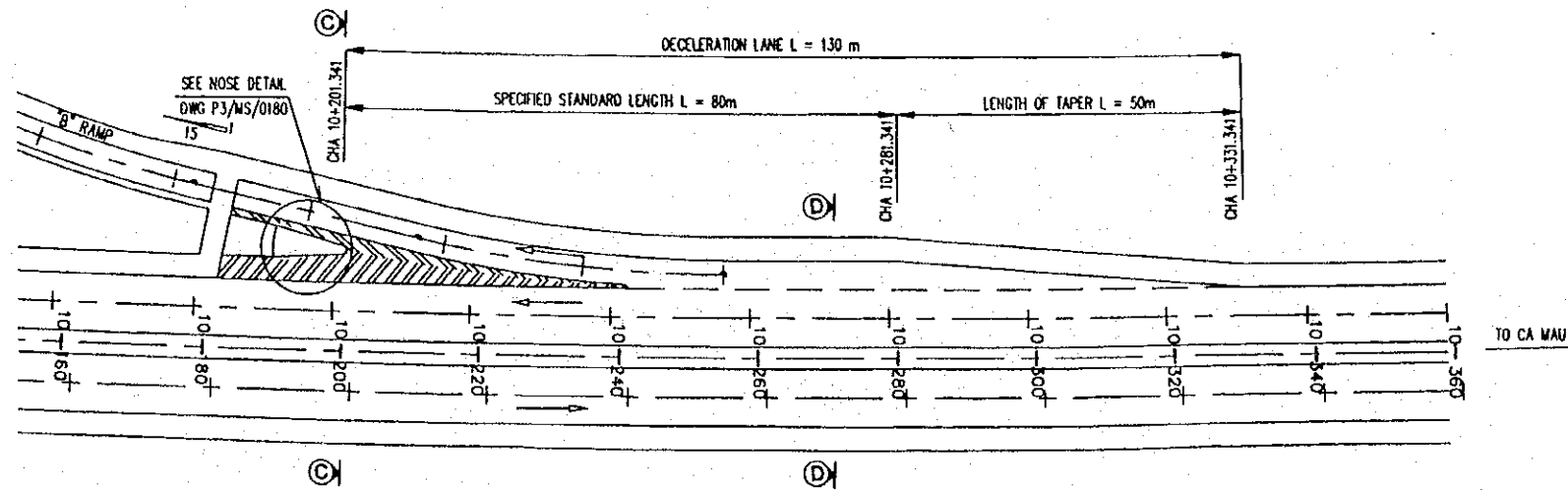
- EMBANKMENT HEIGHT < 3m PVD IS NOT USED.
- SCALE AS SHOWN.
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE INDICATED.
- SLOPE PROTECTION SEE DWG P3/MS/0190, P3/MS/0200.

| 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 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERCHANGE 3 TYPICAL CROSS SECTION AND PAVEMENT STRUCTURE(2/2) | P3/CS/0140 |

PLAN
"A" RAMP TERMINAL
SCALE 1:1000



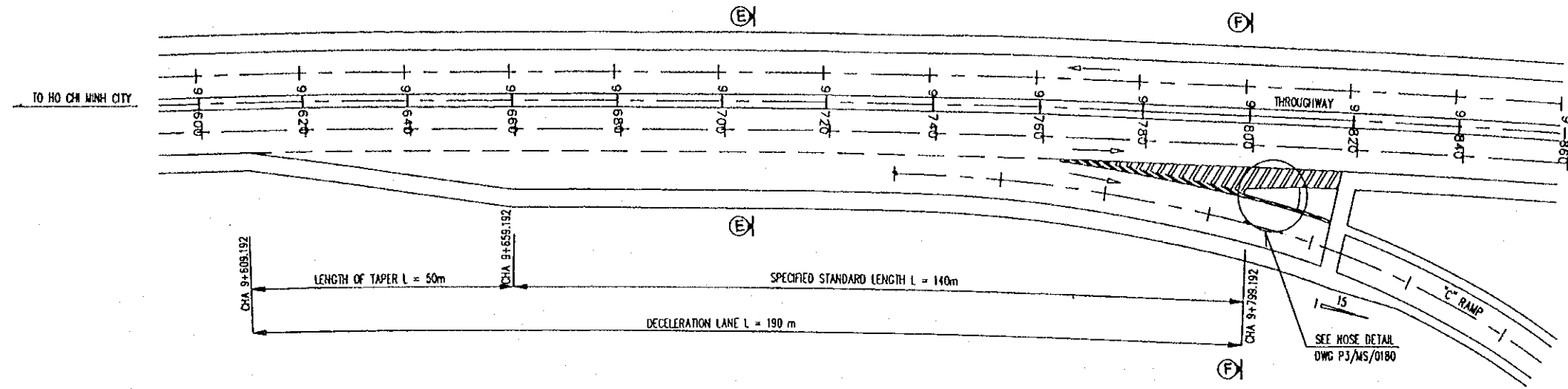
PLAN
"B" RAMP TERMINAL
SCALE 1:1000



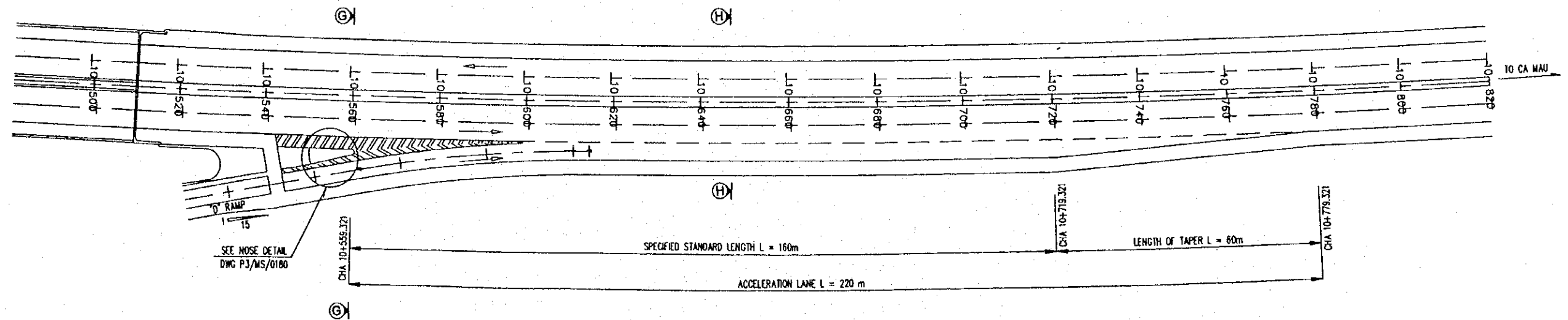
NOTES:
- SCALE AS SHOWN.
- ALL DIMENSIONS ARE IN METERS,
UNLESS OTHERWISE INDICATED.

| | | | | | | | | | |
|--|--|---|---|-------------|------------------|-----------------|--|------------------------|-------------------|
| 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 INTERCHANGE 3 DETAIL OF RAMP TERMINAL(1/4) | DWG NO. P3/IC3/0150 | |
| | | | | 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 | | | | | | |

PLAN
"C" RAMP TERMINAL
SCALE 1:1000



PLAN
"D" RAMP TERMINAL
SCALE 1:1000

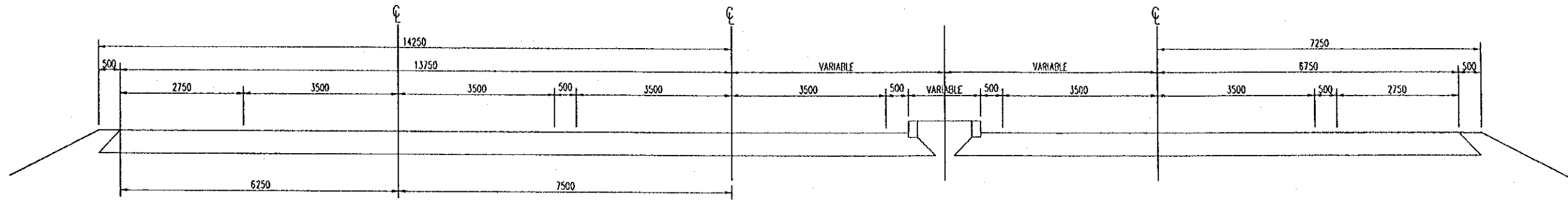


NOTES:
- SCALE AS SHOWN.
- ALL DIMENSIONS ARE IN METERS,
UNLESS OTHERWISE INDICATED.

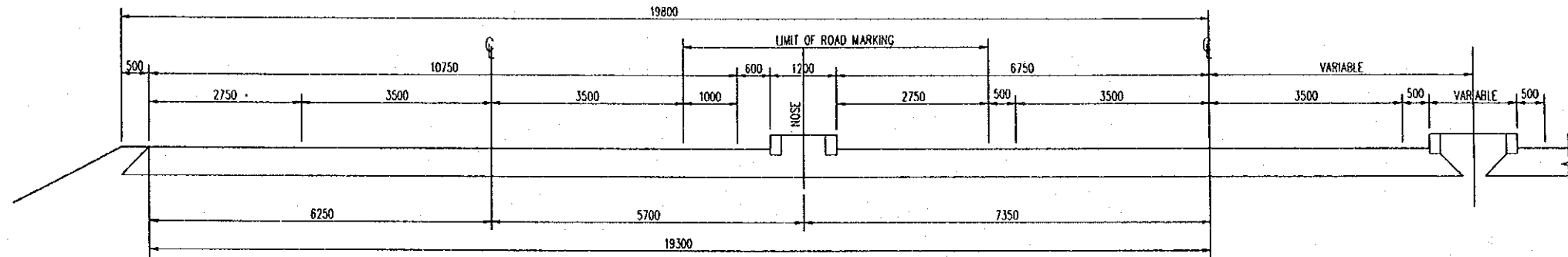
| PROJECT NAME | IMPLEMENTATION AGENCY | EXECUTING AGENCY | JICA STUDY TEAM | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE | DWG NO. |
|--|--|---|---------------------------|-------------|------------|-------------|---|-------------|
| DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | K. Nemoto | K. Nakai | K. Enomoto | INTERCHANGE 3 DETAIL OF RAMP TERMINAL(2/4) | P3/TC3/0160 |
| | | | | SIGNATURE | DATE | DATE | | |
| | | | | | 20/9/2000 | 29/9/2000 | | |
| | | | | | | 5/10/2000 | | |

SECTIONS
SCALE 1:100

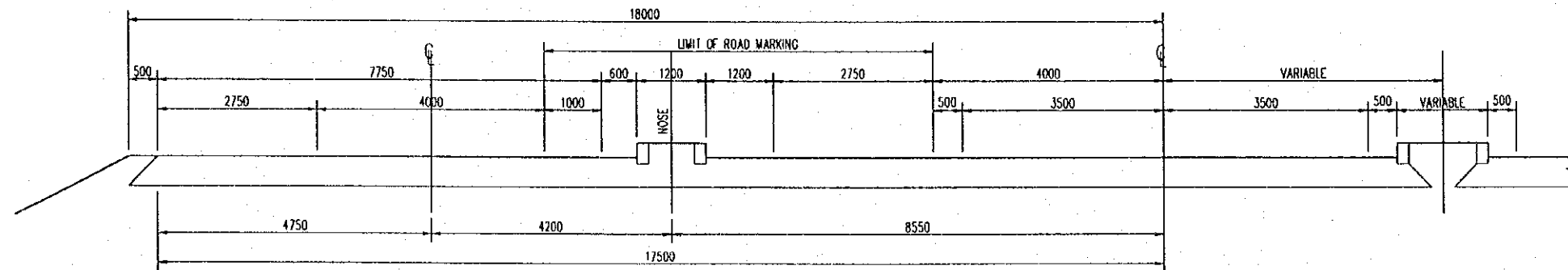
A - A
SCALE 1:100



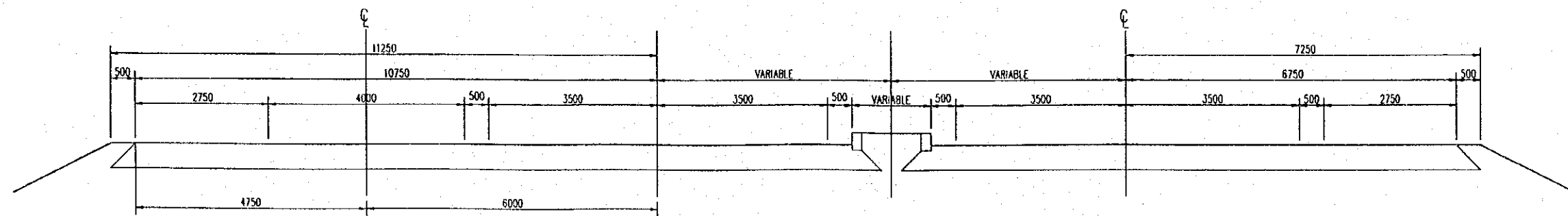
B - B
SCALE 1:100



C - C
SCALE 1:100



D - D
SCALE 1:100



NOTES:
- SCALE AS SHOWN.
- ALL DIMENSIONS ARE IN MILL METERS,
UNLESS OTHERWISE INDICATED.

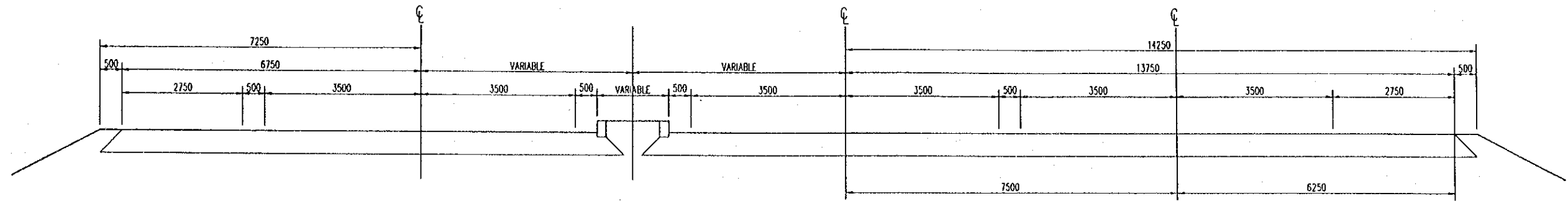
| PROJECT NAME | IMPLEMENTATION AGENCY | EXECUTING AGENCY | JICA STUDY TEAM | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE | DWG NO. |
|--|--|---|---------------------------|---|---|---|---|-------------|
| DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERCHANGE 3 DETAIL OF RAMP TERMINAL(3/4) | P3/TC3/0170 |

SECTIONS

SCALE 1:100

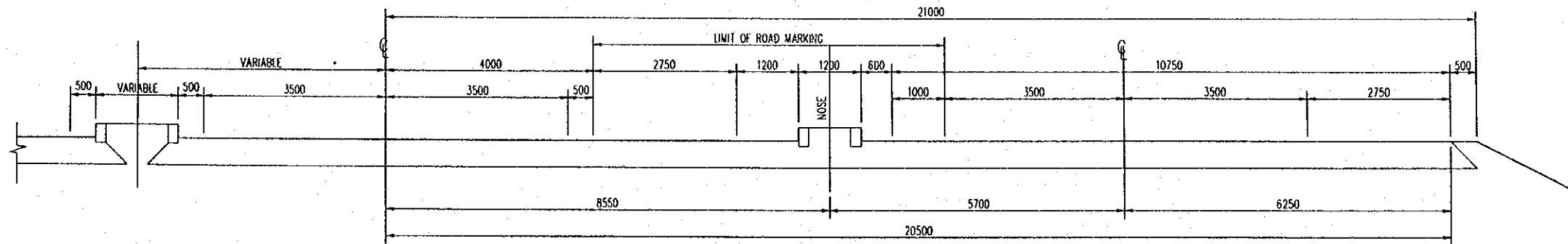
E - E

SCALE 1:100



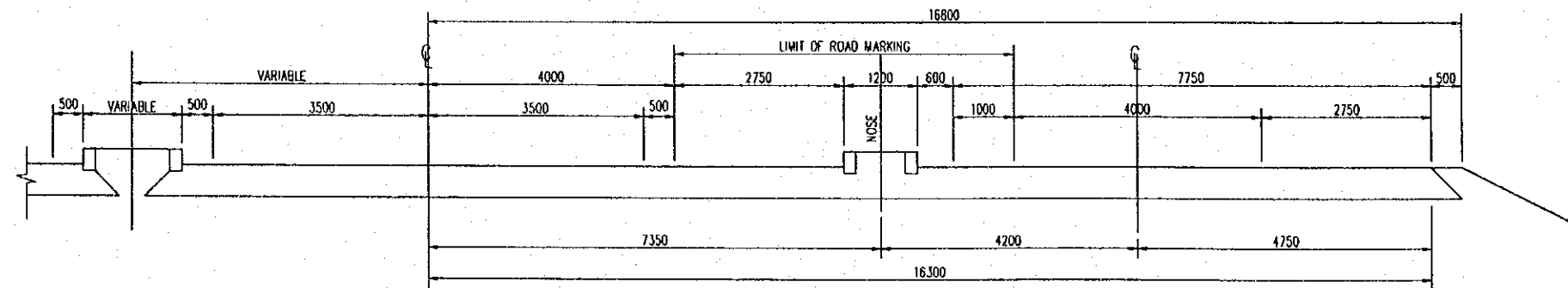
F - F

SCALE 1:100



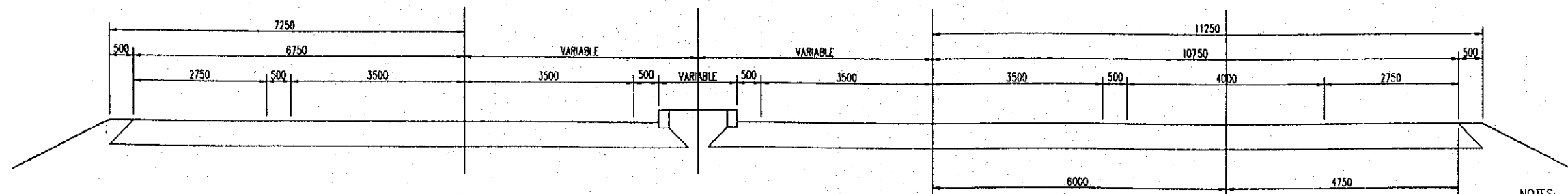
G - G

SCALE 1:100



H - H

SCALE 1:100

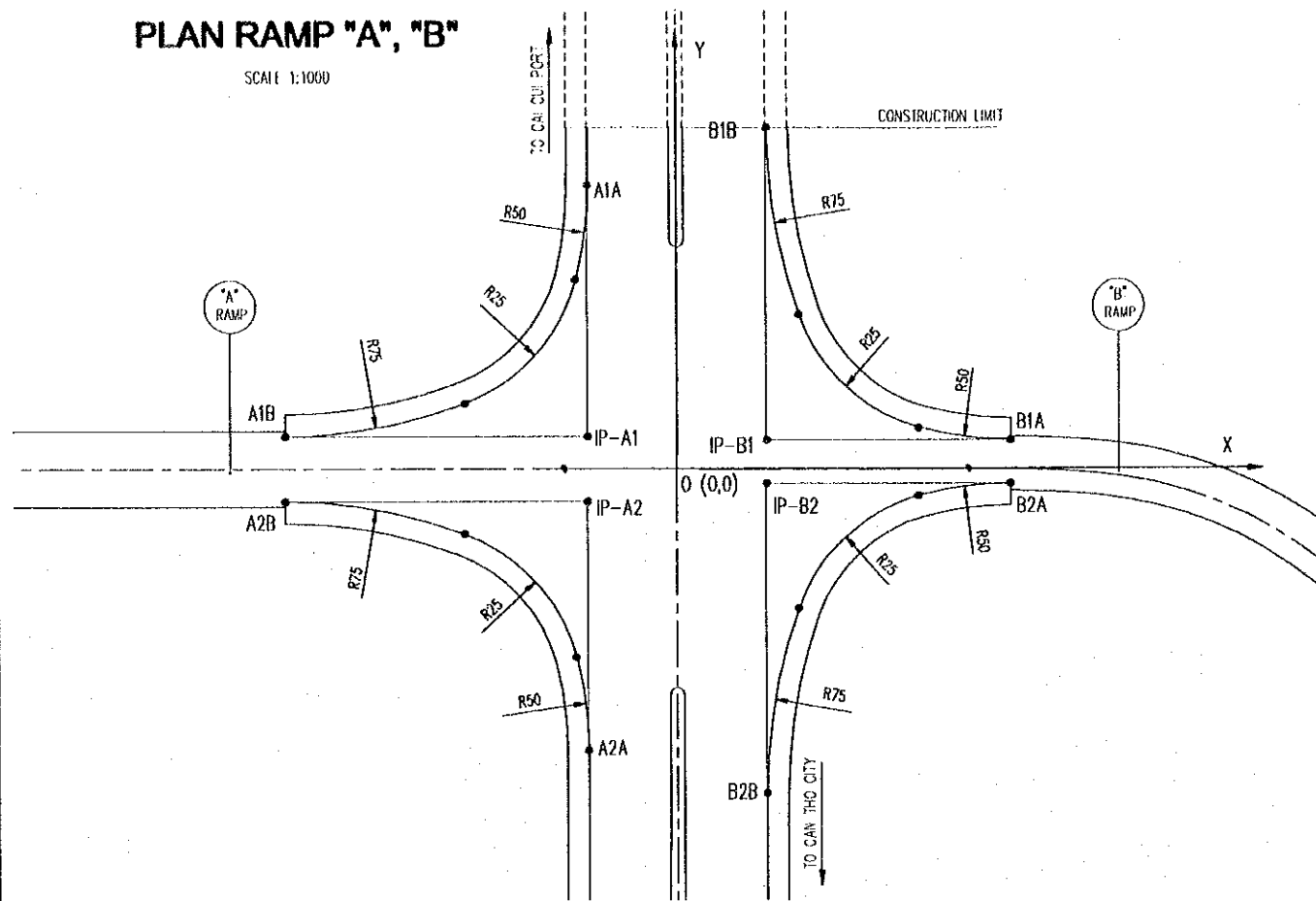


NOTES:
 - SCALE AS SHOWN.
 - ALL DIMENSIONS ARE IN MILL METERS, UNLESS OTHERWISE INDICATED.

| 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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERCHANGE 3 DETAIL OF RAMP TERMINAL(4/4) | P3/IC3/0180 |

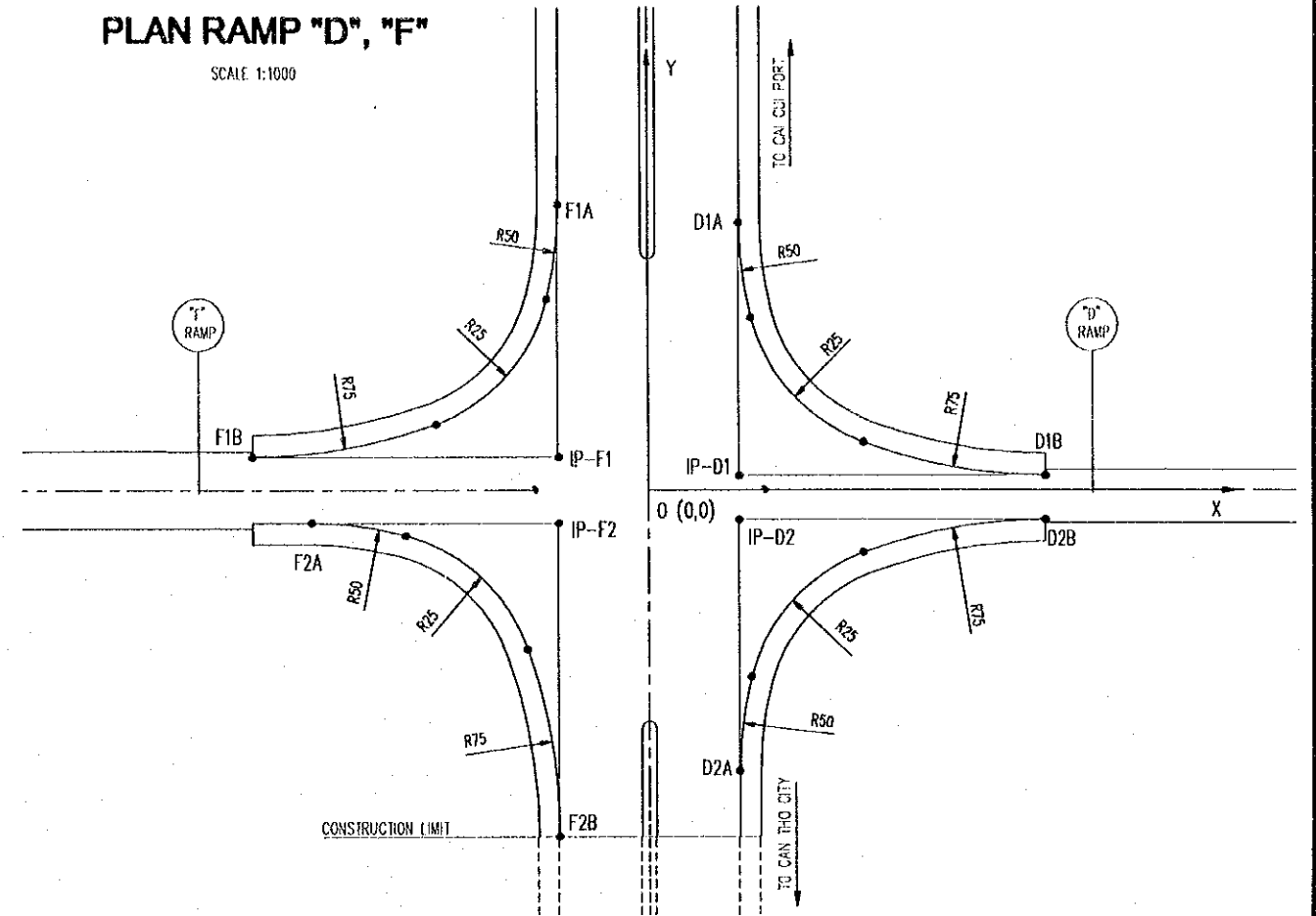
PLAN RAMP "A", "B"

SCALE 1:1000



PLAN RAMP "D", "F"

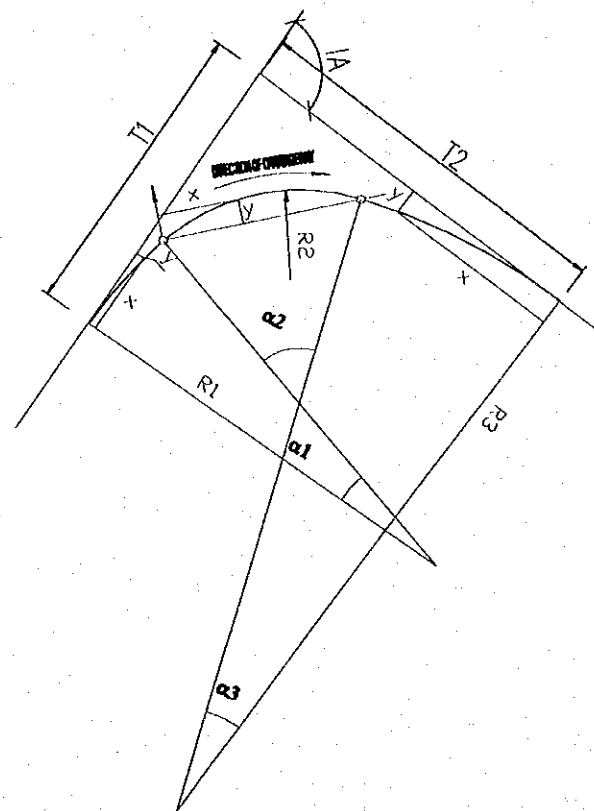
SCALE 1:1000



LIST OF COORDINATES RAMP "A", "B", "D", "F"

| POINT | X (m) | Y (m) | RADIUS (m) | IA |
|-------|---------|---------|------------|------------|
| A1A | -12.487 | 38.979 | R1=50 | 90° 00'00" |
| IP-A1 | -12.498 | 4.486 | R2=25 | |
| A1B | -55.459 | 4.513 | R3=75 | |
| A2A | -12.513 | -38.992 | R1=50 | 90° 00'00" |
| IP-A2 | -12.502 | -4.514 | R2=25 | |
| A2B | -55.446 | -4.487 | R3=75 | |
| B1A | 46.98 | 3.960 | R1=50 | 90° 00'00" |
| IP-B1 | 12.501 | 3.982 | R2=25 | |
| B1B | 12.516 | 46.927 | R3=75 | |
| B2A | 46.993 | -2.040 | R1=50 | 90° 00'00" |
| IP-B2 | 12.499 | -2.018 | R2=25 | |
| B2B | 12.485 | -44.979 | R3=75 | |
| D1A | 12.512 | 36.484 | R1=50 | 90° 00'00" |
| IP-D1 | 12.501 | 1.998 | R2=25 | |
| D1B | 55.454 | 1.984 | R3=75 | |
| D2A | 12.487 | -38.488 | R1=50 | 90° 00'00" |
| IP-D2 | 12.499 | -4.002 | R2=25 | |
| D2B | 55.451 | -4.016 | R3=75 | |
| F1A | -12.487 | 38.993 | R1=50 | 90° 00'00" |
| IP-F1 | -12.498 | 4.507 | R2=25 | |
| F1B | -55.451 | 4.521 | R3=75 | |
| F2A | -46.987 | -4.482 | R1=50 | 90° 00'00" |
| IP-F2 | -12.502 | -4.493 | R2=25 | |
| F2B | -12.516 | -47.446 | R3=75 | |

LAYOUT FOR POSITIONING THE 3-CENTER CURVE



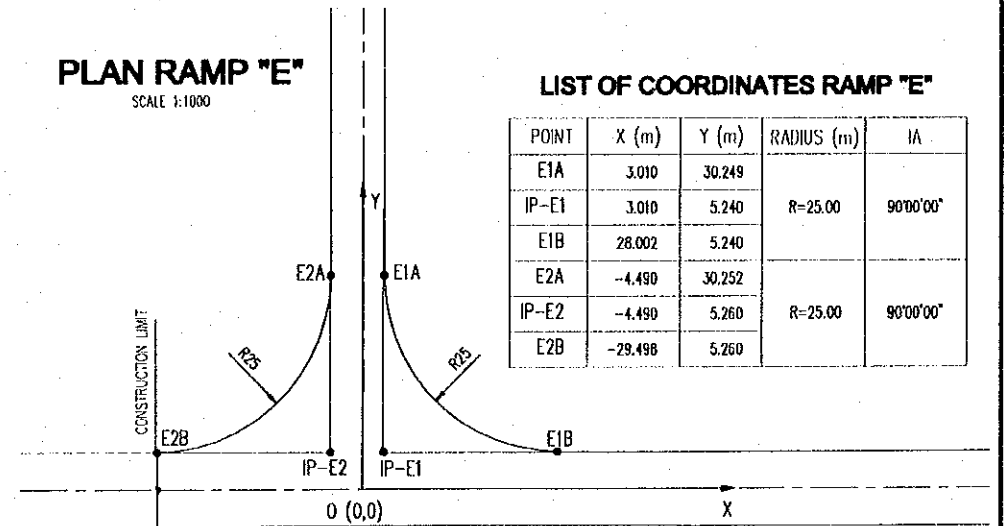
R1=50m R2=25m R3=75m
 $\alpha 1 = 15^\circ 0' 0''$ $\alpha 2 = 20^\circ 0' 0''$ $IA = 90^\circ 00' 00''$
 $T1 = 34.49m$ $T2 = 42.95m$

LIST OF COORDINATES

| SEGMENT | X (m) | Y (m) |
|---------|--------|-------|
| 1 | 4.990 | 0.250 |
| | 9.930 | 1.000 |
| | 12.940 | 1.700 |
| 2 | 4.640 | 1.850 |
| | 9.550 | 2.740 |
| | 14.540 | 2.640 |
| 3 | 23.090 | 0.000 |
| | 5.000 | 0.170 |
| | 9.970 | 0.670 |
| | 14.900 | 1.500 |
| | 19.760 | 2.650 |
| | 24.540 | 4.130 |
| | 25.650 | 4.520 |

PLAN RAMP "E"

SCALE 1:1000



LIST OF COORDINATES RAMP "E"

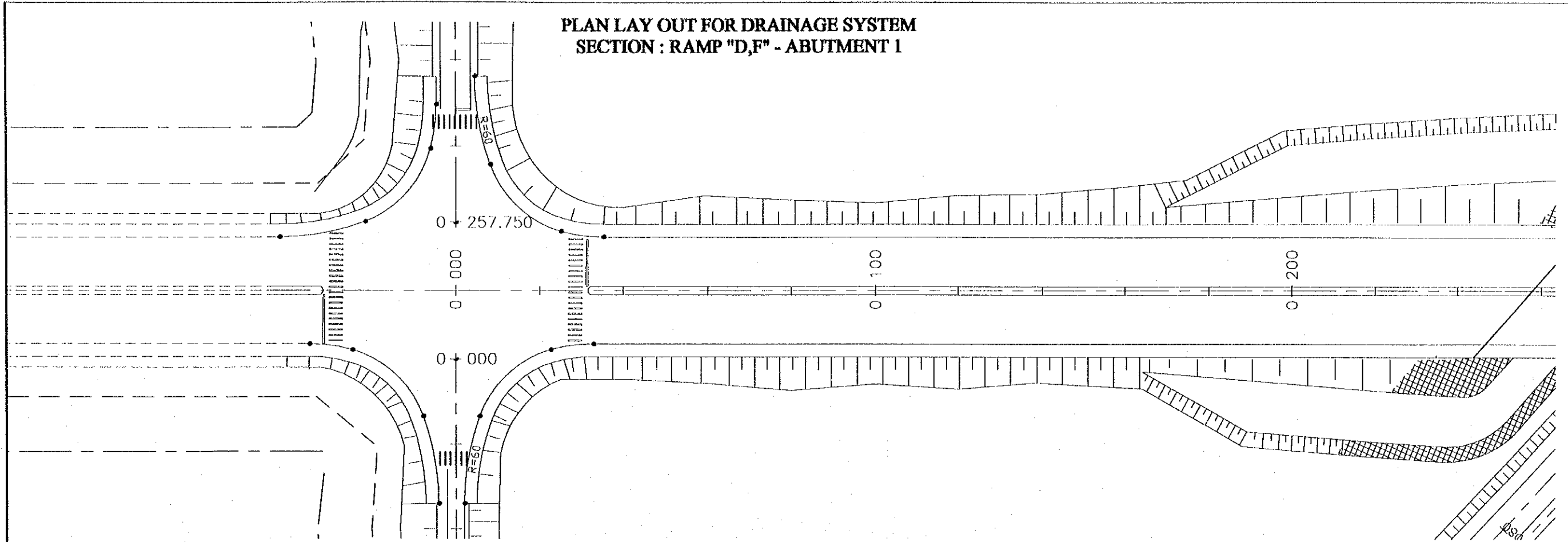
| POINT | X (m) | Y (m) | RADIUS (m) | IA |
|-------|---------|--------|------------|-----------|
| E1A | 3.010 | 30.249 | R=25.00 | 90°00'00" |
| IP-E1 | 3.010 | 5.240 | | |
| E1B | 28.002 | 5.240 | R=25.00 | 90°00'00" |
| IP-E2 | -4.490 | 5.260 | | |
| E2A | -4.490 | 30.252 | R=25.00 | 90°00'00" |
| E2B | -28.498 | 5.260 | | |

NOTES

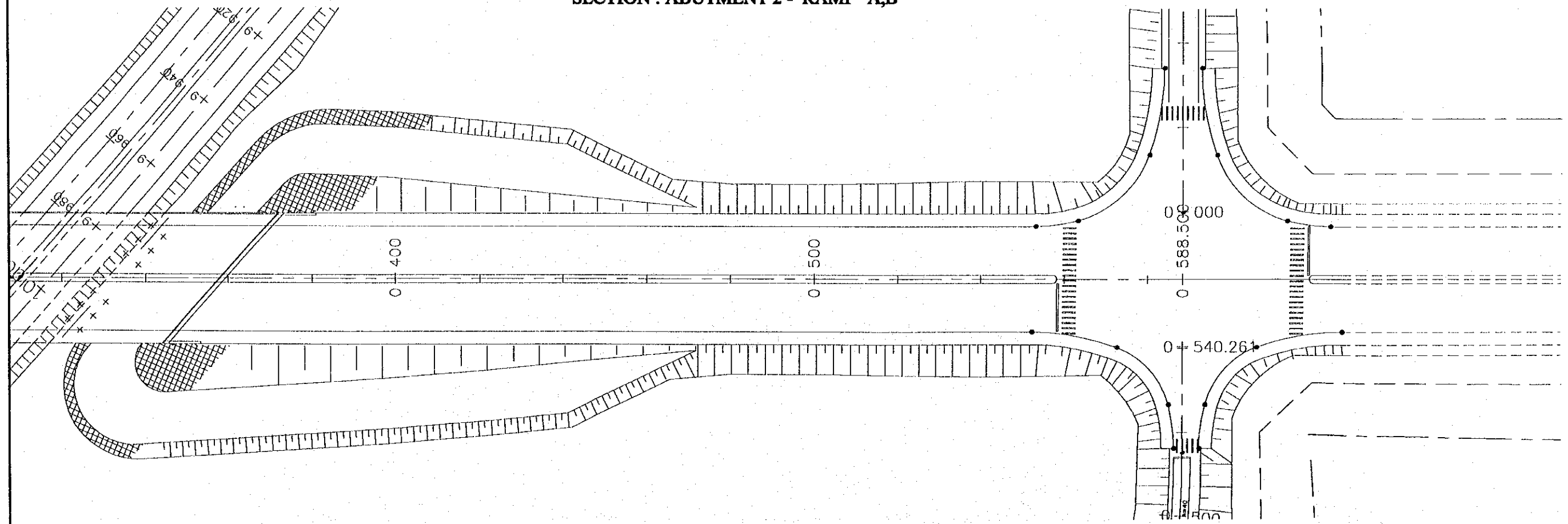
- THE COORDINATE (0,0) TO BE INTERSECTION OF THE RAMP "A", "B" OR RAMP "D", "F" 'S
- CENTER LINE AND THE NH91'S, Y AXIS TO BE THE DIRECTION CAI CUI PORT.
- ALL THE CURVES TO BE POSITIONED ACCORDING TO SPECIFICATIONS OF THE 3 - CENTER CURVE.
- ALL DIMENTIONS ARE IN METERS.

| 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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | K. Nemoto | K. Nakai | K. Enomoto | INTERCHANGE 3 DETAIL OF INTERSECTION | P3/IC3/0190 |
| | | | | DATE: 20/9/2000 | DATE: 29/9/2000 | DATE: 5/10/2000 | | |

PLAN LAY OUT FOR DRAINAGE SYSTEM
SECTION : RAMP "D,F" - ABUTMENT 1



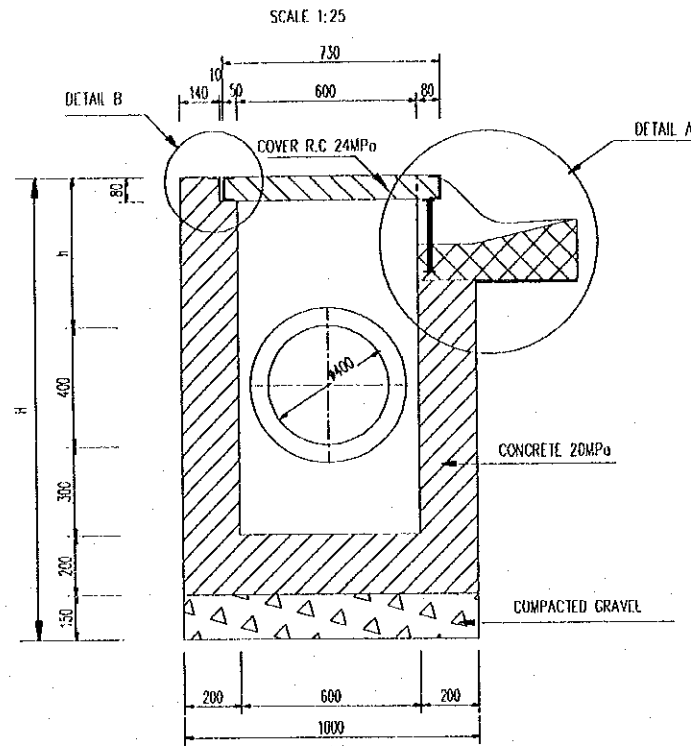
PLAN LAY OUT FOR DRAINAGE SYSTEM
SECTION : ABUTMENT 2 - RAMP "A,B"



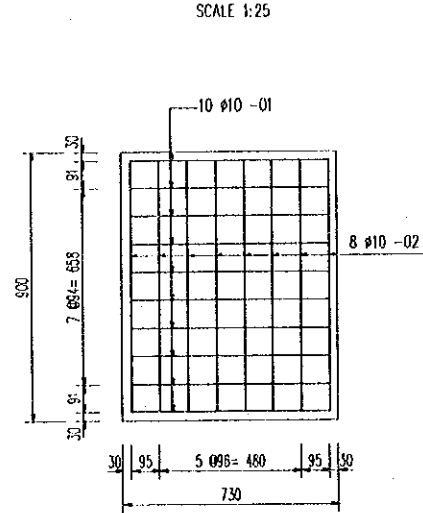
| PROJECT NAME | IMPLEMENTATION AGENCY | EXECUTING AGENCY | JICA STUDY TEAM | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE | DWG NO. |
|--|---|---|---------------------------|---|---|---|---|-------------|
| DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERCHANGE 3 PLAN LAY OUT FOR DRAINAGE SYSTEM | F3/IC3/0200 |

CATCH BASIN

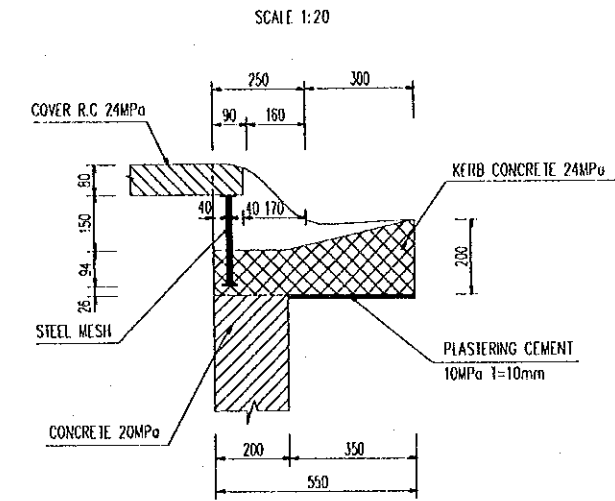
SECTION A - A



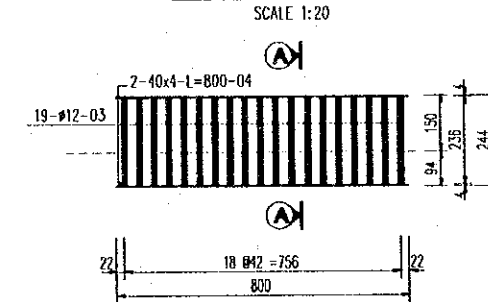
COVER



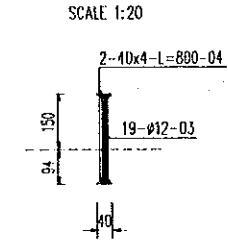
DETAIL A



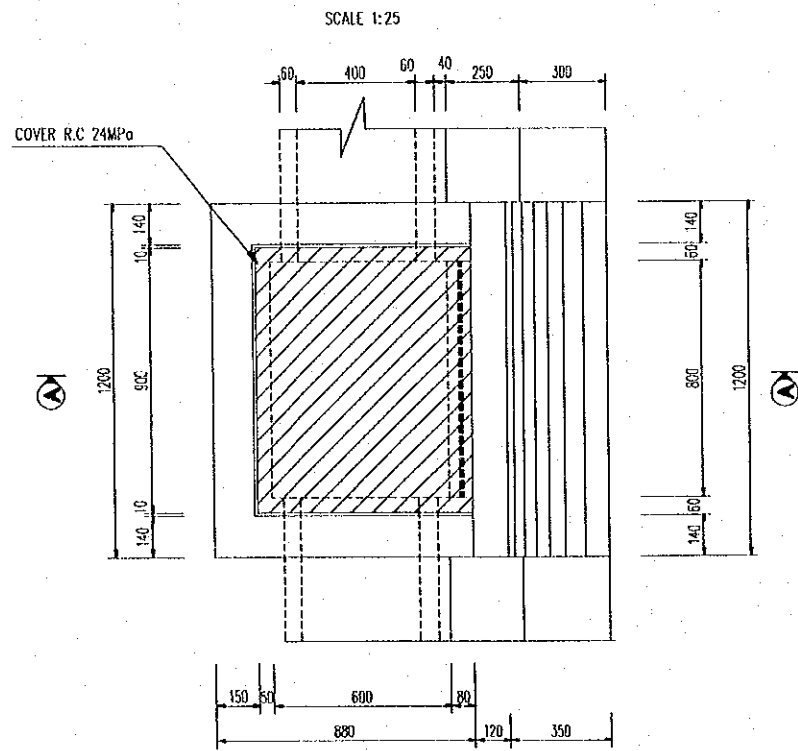
STEEL MESH



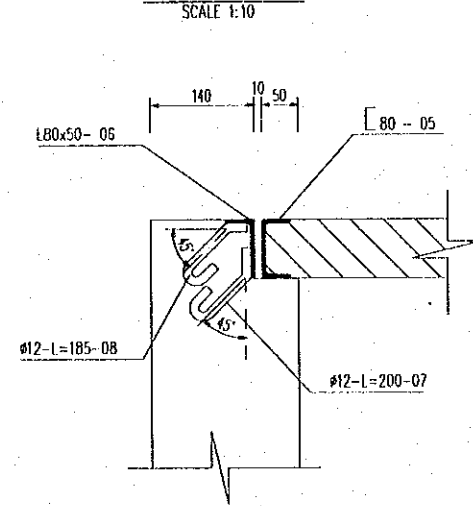
A - A



PLAN



DETAIL B



DIMENSION

| TYPE | h | H | TYPE | h | H |
|------|------|------|------|------|------|
| R1 | 300 | 1350 | L1 | 297 | 1347 |
| R2 | 300 | 1350 | L2 | 297 | 1347 |
| R3 | 390 | 1440 | L3 | 394 | 1444 |
| R4 | 360 | 1410 | L4 | 363 | 1413 |
| R5 | 455 | 1505 | L5 | 463 | 1513 |
| R6 | 620 | 1670 | L6 | 627 | 1677 |
| R7 | 585 | 1635 | L7 | 628 | 1678 |
| R8 | 1972 | 3022 | L8 | 2407 | 3457 |
| R11 | 1204 | 2254 | L11 | 734 | 1784 |
| R12 | 594 | 1644 | L12 | 647 | 1697 |
| R13 | 600 | 1650 | L13 | 660 | 1710 |
| R14 | 455 | 1505 | L14 | 516 | 1566 |
| R15 | 310 | 1360 | L15 | 389 | 1439 |
| R16 | 610 | 1660 | L16 | 650 | 1700 |
| R17 | 300 | 1350 | L17 | 300 | 1350 |
| R18 | 300 | 1350 | L18 | 300 | 1350 |
| | | | L19 | 302 | 1352 |

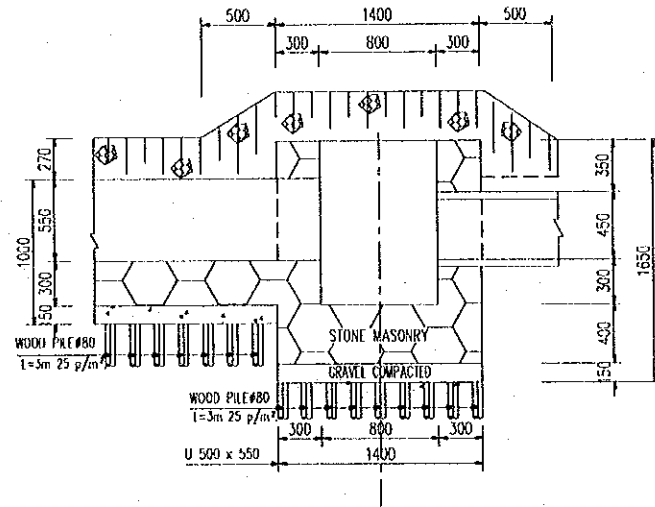
NOTE :
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE INDICATED.

CATCH PIT & DROP INLET

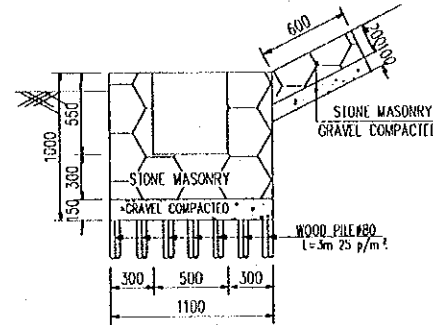
| PROJECT NAME | IMPLEMENTATION AGENCY | EXECUTING AGENCY | JICA STUDY TEAM | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE | DWG NO. |
|--|--|---|---------------------------|---|---|---|--|-------------|
| DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON 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 | INTERCHANGE 3 STRUCTURAL OF STORM WATER SYSTEM (1/2) | P3/IC3/0210 |

**CATCH BASIN (TYPE L9, R9, L10,R10)
OUTLET (TYPE C1, C2, C3, C4)**

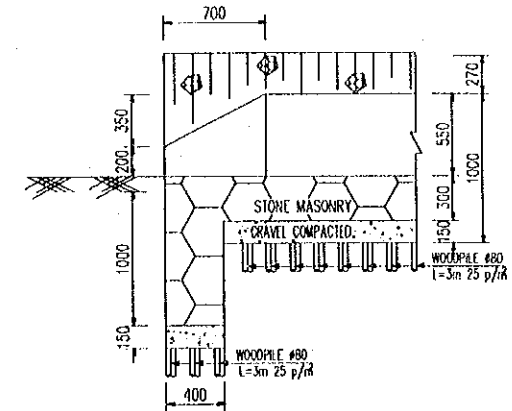
SECTION I - I
SCALE 1:50



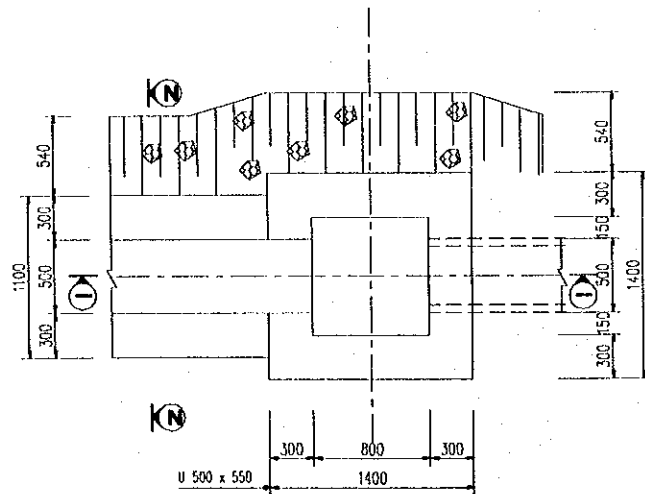
SECTION N - N
SCALE 1:50



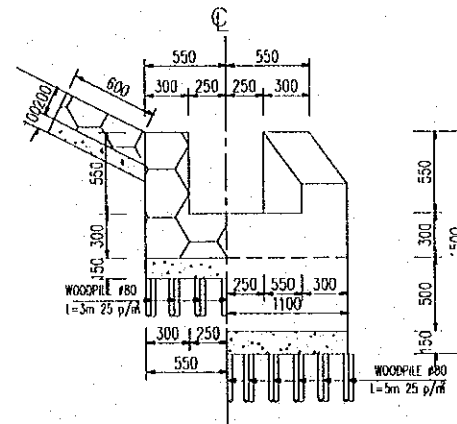
SECTION G - G
SCALE 1:50



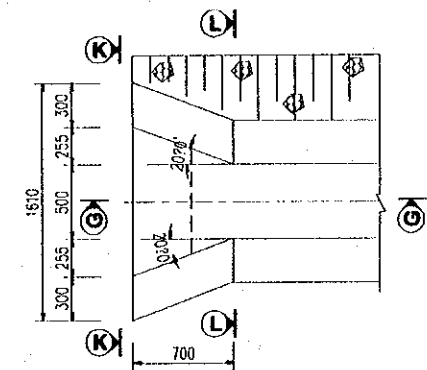
PLAN OF CATCH BASIN (L9, R9, L10, R10)
SCALE 1:50



HALF SECTION L - L HALF SECTION K - K
SCALE 1:50



PLAN OF OUTLET (C1, C2, C3, C4)
SCALE 1:50



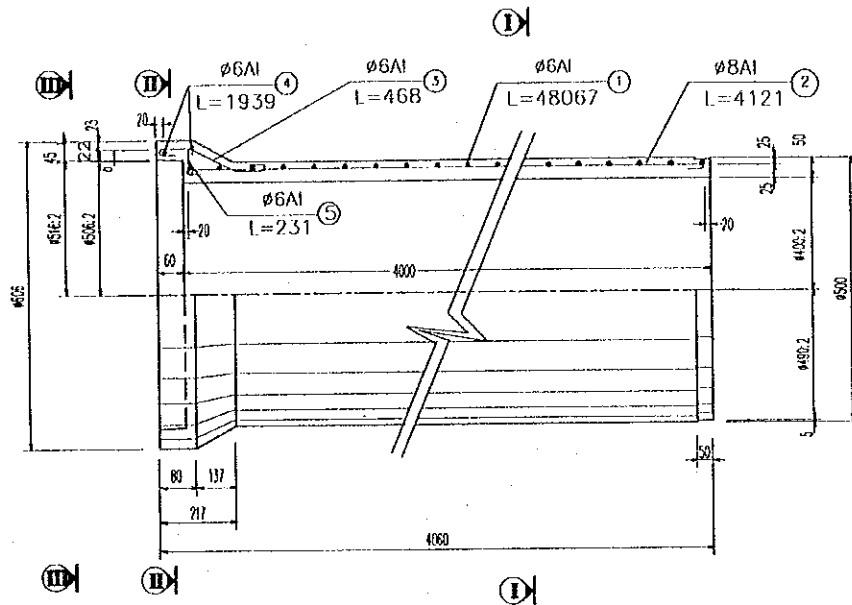
NOTE

- 1- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- 2- LOCATIONS OF CATCH BASINS AND OULETS OF SIDE DITCHES SEE DRAWING No P3/IC3/0200.

| 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 | 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 | INTERCHANGE 3 STRUCTURAL OF STORM WATER SYSTEM (2/2) | P3/IC3/0220 |

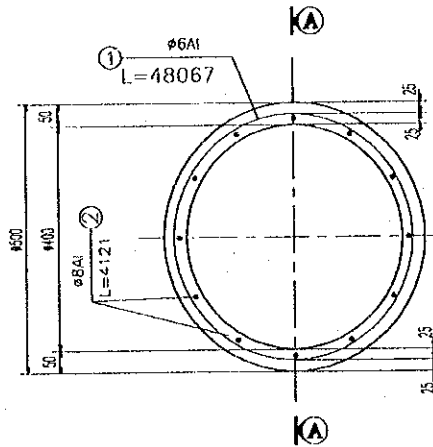
SECTION A-A

SCALE 1:10



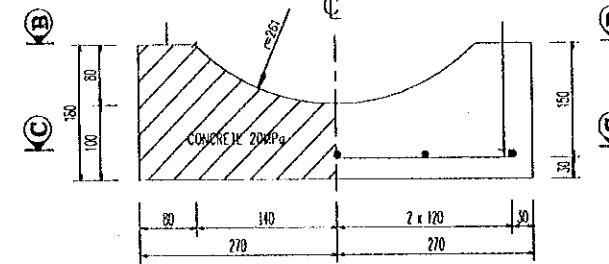
SECTION I - I

SCALE 1:10

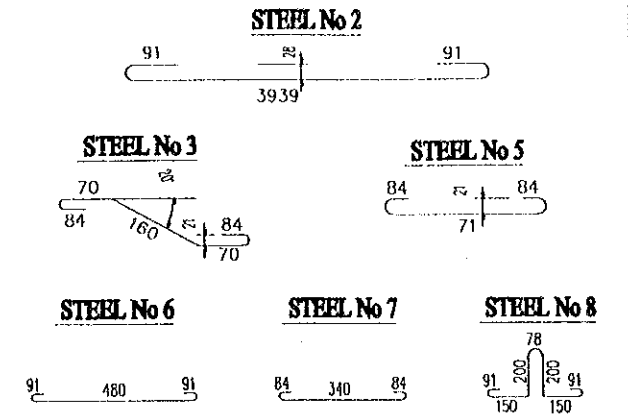


SUPPORT OF PIPE D400

SCALE 1:10

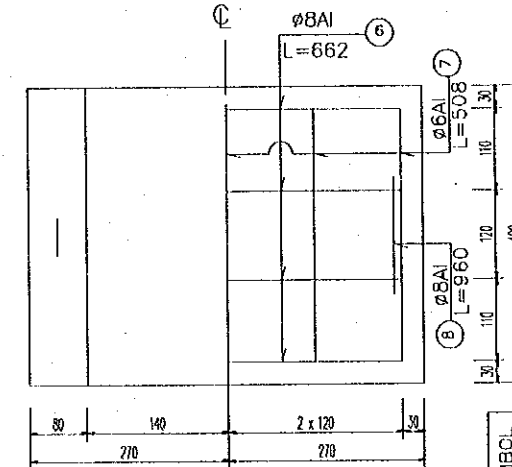


BENDING DIAGRAM



HALF SECTION B-B HALF SECTION C-C

SCALE 1:10

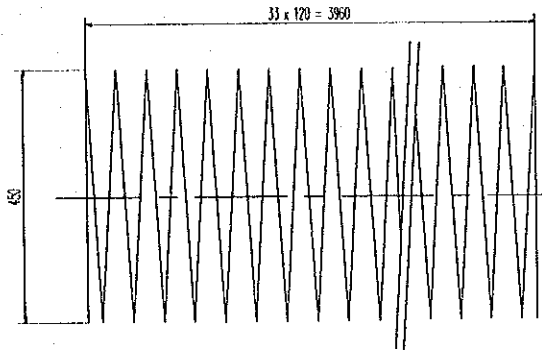


QUANTITY TABLE FOR 1 SUPPORT OF PIPE D400

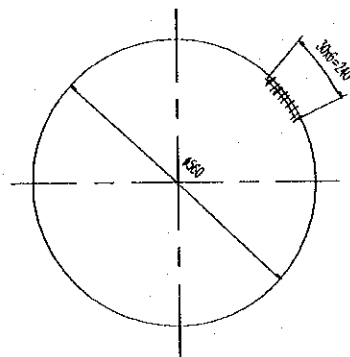
| SYMBOL | DIAMETER OF REINFORCING BAR | LENGTH OF 1 BAR | NUMBER OF BARS | TOTAL LENGTH | TOTAL WEIGHT |
|----------------------------|-----------------------------|-----------------|----------------|--------------|-----------------------|
| ⑥ | ø8 | 662 | 4 | 3.130 | 1.050 |
| ⑦ | ø6 | 508 | 4 | 2.030 | 0.450 |
| ⑧ | ø8 | 960 | 2 | 1.920 | 0.760 |
| - CONCRETE 20MPa = 0.021m³ | | | | | - STEEL ø8 = 1.810kg. |
| | | | | | - STEEL ø6 = 0.450kg. |

BENDING DIAGRAM

STEEL No 1

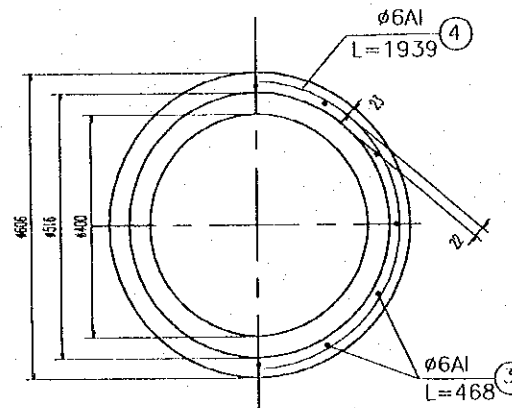


STEEL No 4



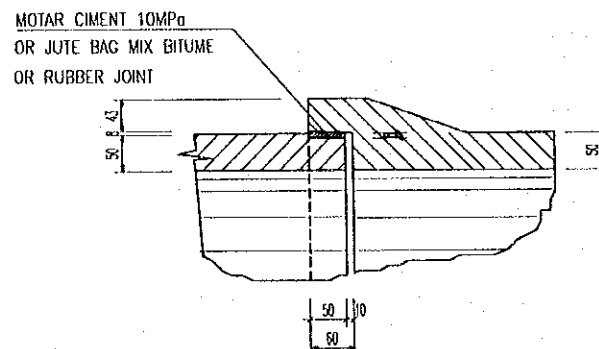
HALF SECTION III - III HALF SECTION II - II

SCALE 1:10



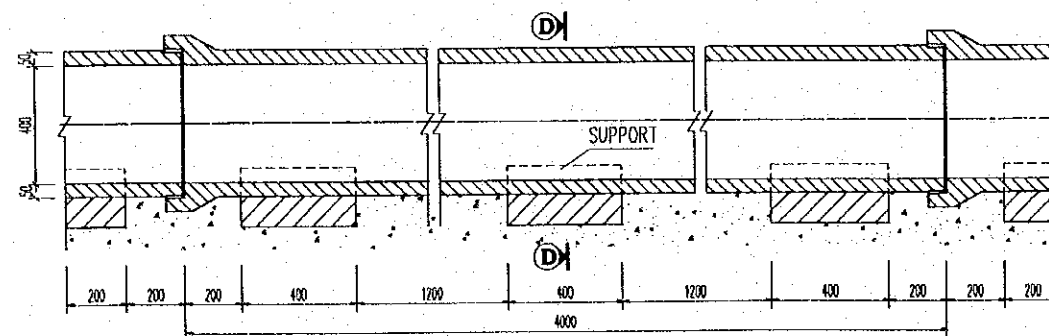
DETAIL OF JOINT PIPE

SCALE 1:10



LOCATE SUPPORT OF PIPES

SCALE 1:25



SECTION D - D

SCALE 1:25

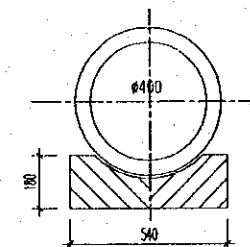


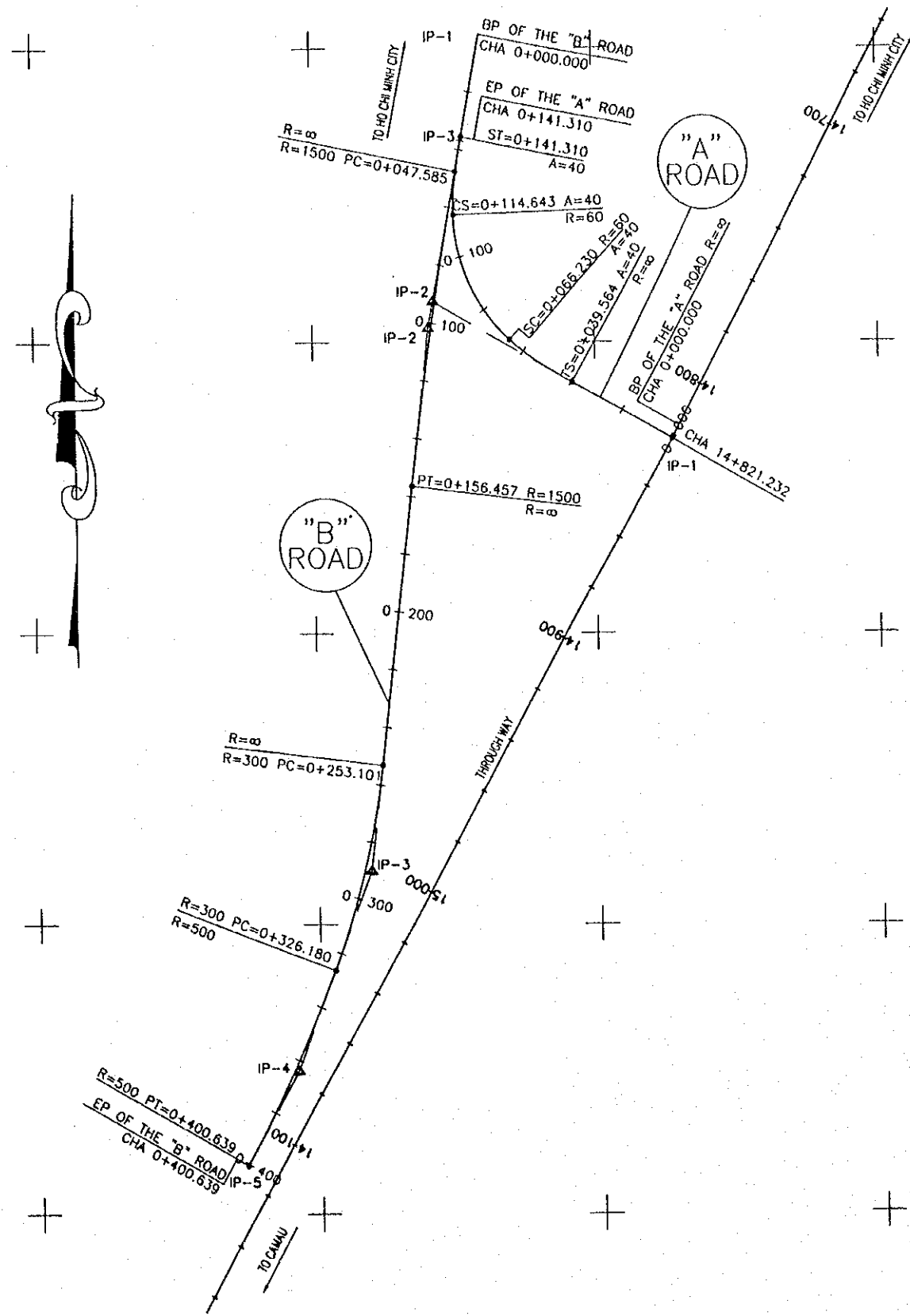
TABLE OF MATERIAL

| SYMBOL | DIAMETER (mm) | NUMBER OF BAR | LENGTH OF BAR (mm) | TOTAL LENGTH (m) | TOTAL WEIGHT (kg) | REMARK |
|---------------------|---------------|---------------|--------------------|------------------|-------------------|--------|
| ① | ø6A1 | 01 | 48067 | 48.067 | 10.670 | |
| ② | ø8A1 | 11 | 4121 | 45.331 | 17.906 | |
| ③ | ø6A1 | 11 | 468 | 5.148 | 1.143 | |
| ④ | ø6A1 | 02 | 1939 | 3.878 | 0.860 | |
| ⑤ | ø6A1 | 11 | 231 | 2.541 | 0.564 | |
| TOTAL | | | | ø6A1 | 13.24 | |
| | | | | ø8A1 | 17.91 | |
| TOTAL OF REBAR (kg) | | | | 31.15 | | |
| CONCRETE 30MPa | | | | 0.300m³/01 pipe | | |

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

| PROJECT NAME | IMPLEMENTATION AGENCY | EXECUTING AGENCY | JICA STUDY TEAM | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE | DWG NO. |
|--|--|---|----------------------|-----------------|-----------------|-----------------|---|-------------|
| DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | NIPPON KOEI CO.,LTD. | K. Nemoto | K. Nakai | K. Enomoto | INTERCHANGE 3 REINFORCED CONCRETE PIPE ø400 | P3/IC3/0230 |
| | | | | DATE: 20/9/2000 | DATE: 29/9/2000 | DATE: 5/10/2000 | | |

P3/IS INTERSECTION NO.1

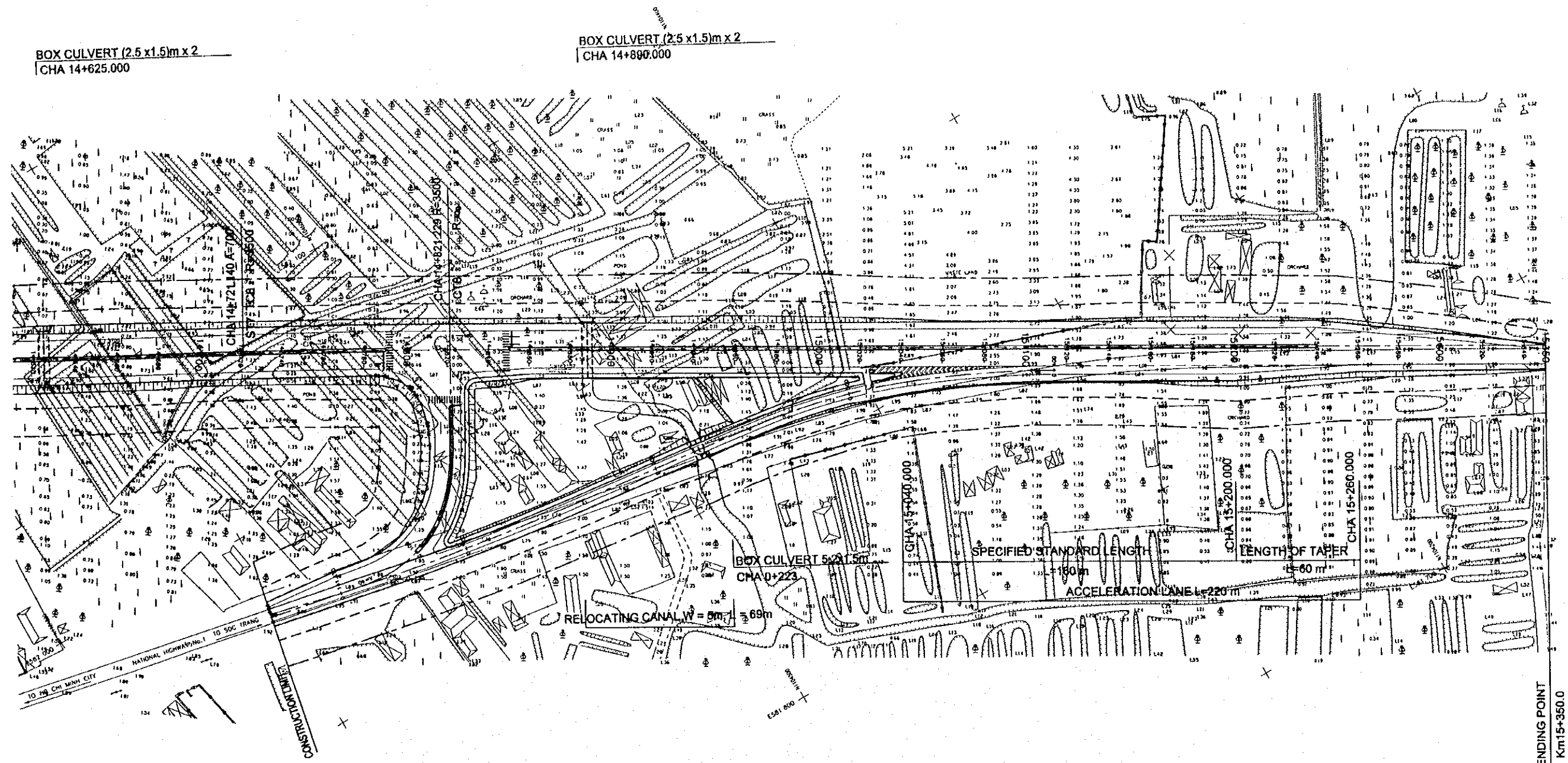


DESIGN ELEMENT OF HORIZONTAL ALIGNMENT

| RAMP | IP No | IA | IP CHA | Point | PrI CHA | Northing | Easting | Element | Direction | Length(m) | IP Distance | Azimuth | |
|--------|-------|-------------|-----------|-------|------------|---------------|-------------|-----------|---------------|-------------|-------------|--------------|--|
| ROAD A | IP-1 | - | 0+000.000 | BP-A | 0+000.000 | 1 104 566.795 | 582 026.640 | | | | - | 299° 20' 45" | |
| | | | | IS-2 | 0+039.564 | 1 104 586.185 | 581 992.153 | Tangent | - | 39.564 | | | |
| | | | | SC-2 | 0+066.230 | 1 104 600.905 | 581 969.988 | A=40.000 | Left | 26.667 | | | |
| | IP-2 | 71° 41' 44" | 0+096.581 | | | 1 104 614.128 | 581 942.453 | | | | 96.581 | 111° 02' 29" | |
| | | | | CS-2 | 0+114.643 | 1 104 643.668 | 581 950.222 | R=60.000 | Left | 48.413 | | | |
| ROAD B | | | | ST-2 | 0+141.310 | 1 104 670.089 | 581 953.373 | A=40.000 | Left | 26.667 | | | |
| | IP-3 | - | 0+141.310 | EP-A | 0+141.310 | 1 104 670.089 | 581 953.373 | | | | 57.017 | | |
| | IP-1 | - | 0+000.000 | BP-B | 0+000.000 | 1 104 705.024 | 581 960.190 | | | | - | 191° 02' 29" | |
| | | | | PC-2 | 0+47.585 | 1 104 658.319 | 581 951.078 | Tangent | - | 47.585 | | | |
| | IP-2 | 4° 09' 31" | 0+102.045 | | | 1 104 604.868 | 581 940.646 | | | | 102.045 | 186° 52' 58" | |
| ROAD B | | | | PT-2 | 0+156.457 | 1 104 550.801 | 581 934.120 | R=1500 | Left | 108.871 | | | |
| | | | | PC-3 | 0+253.101 | 1 104 454.853 | 581 922.538 | Tangent | - | 96.845 | | | |
| | IP-3 | 13° 57' 25" | 0+289.822 | | | 1 104 418.396 | 581 918.137 | | | | 187.825 | 200° 50' 23" | |
| | | | | PT-3 | 0+326.180 | 1 104 384.078 | 581 905.073 | R=300 | Right | 73.079 | | | |
| | | | | PC-4 | 0+326.180 | 1 104 384.078 | 581 905.073 | | - | - | | | |
| | | | | IP-4 | 8° 31' 57" | 0+363.478 | | | | | 74.02 | 209° 22' 20" | |
| | | | | PT-4 | 0+400.639 | 1 104 316.715 | 581 873.510 | R=500 | Right | 74.459 | | | |
| | | | | IP-5 | | 0+400.639 | EP-B | 0+400.639 | 1 104 316.715 | 581 873.510 | | 37.298 | |

| | | | | | | | | |
|--|--|---|---------------------------|---|---|---|--|------------|
| PROJECT NAME | IMPLEMENTATION AGENCY | EXECUTING AGENCY | JICA STUDY TEAM | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE | DWG NO. |
| DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERSECTION ALIGNMENT LAYOUT AND GEOMETRIC DATA SCALE 1:2000 | P3/IS/0010 |

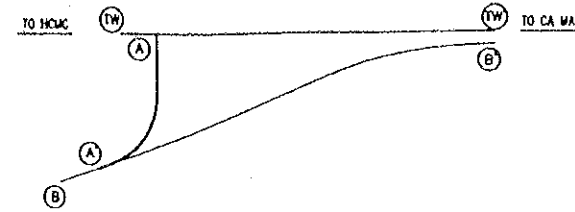
INTERSECTION (PROJECT ROUTE AND NATIONAL HIGHWAY No.1 CAN THO)



ENDING POINT
Km 15+350.0

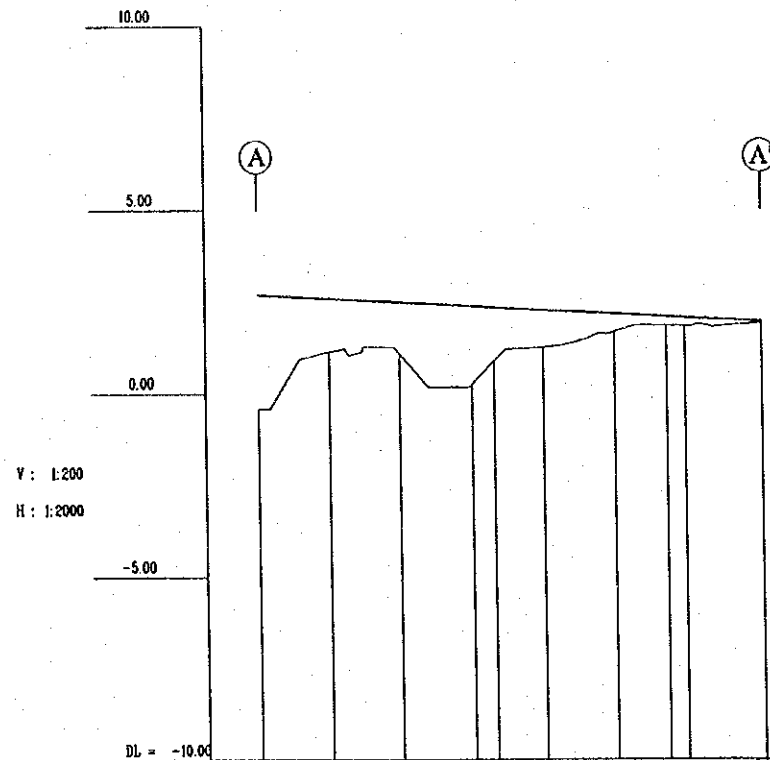
| PROJECT NAME | IMPLEMENTATION AGENCY | EXECUTING AGENCY | JICA STUDY TEAM | PREPARED BY | CHECKED BY | APPROVED BY | DRAWING TITLE | DWG NO. | |
|--------------|-----------------------|------------------|-----------------|-------------|------------------|-----------------|-------------------|------------|-------------------|
| | | | | NAME | K. Nemoto | K. Nakai | | | K. Enomoto |
| | | | | SIGNATURE | <i>K. Nemoto</i> | <i>K. Nakai</i> | | | <i>K. Enomoto</i> |
| DATE | 20/9/2000 | 29/9/2000 | 5/10/2000 | | | | INTERSECTION PLAN | P3/1S/0020 | |
| | | | | | | | SCALE 1:2000 | | |

KEY - PLAN
Not to scale



BP
A CHA: 0+000.000
TW CHA: 14+820

EP
A CHA: 0+141.310
B CHA: 0+35.594



| | | | | | | | |
|--------------------------|-------|-------|-----------|----------|-----------|---------|---------|
| GRADIENT | 0.68% | | L=141.310 | | F=-0.535% | | 1.933 |
| DESIGN LEVELS (m) | 2.689 | 2.582 | 2.477 | 2.368 | 2.261 | 2.154 | 1.933 |
| EXISTING LEVEL (m) | -0.43 | 1.12 | 1.07 | 0.23 | 0.87 | 1.80 | 1.82 |
| DISTANCE (m) | | 20.0 | 19.64 | 60.20 | 66.2 | 114.6 | 120.0 |
| ACCUMULATED DISTANCE (m) | 0.0 | 20.0 | 39.64 | 100.0 | 166.2 | 280.8 | 300.8 |
| CHAINAGE | 0+000 | 0+020 | 0+039.64 | 0+100 | 0+166.2 | 0+280.8 | 0+300.8 |
| CURVE ELEMENT | R=60 | | L=26.667 | L=48.413 | L=26.667 | | |
| SUPER ELEVATION | -2% | | +2% | +2% | -2% | -2% | |

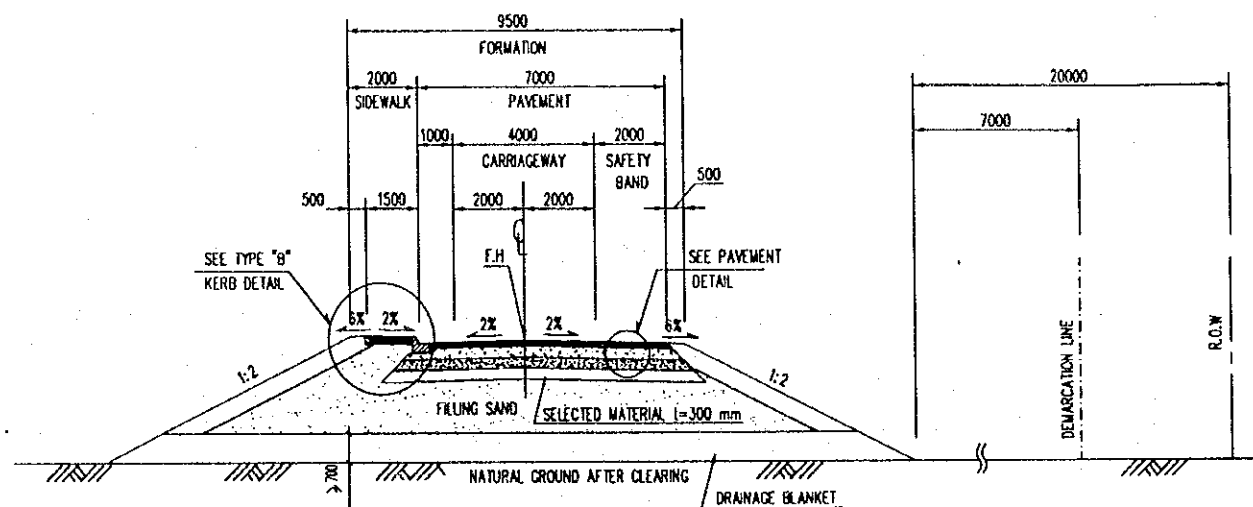
NOTES:
- SCALE AS SHOWN
- ALL UNITS ARE IN METERS.
UNLESS OTHERWISE INDICATED

| | | | | | | | | | |
|--|--|---|---|-------------|------------------|-----------------|--|-----------------------|-------------------|
| 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 INTERSECTION PROFILE OF "A" ROAD | DWG NO. P3/IS/0030 | |
| | | | | 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 | | | | | | |

TYPICAL CROSS SECTION

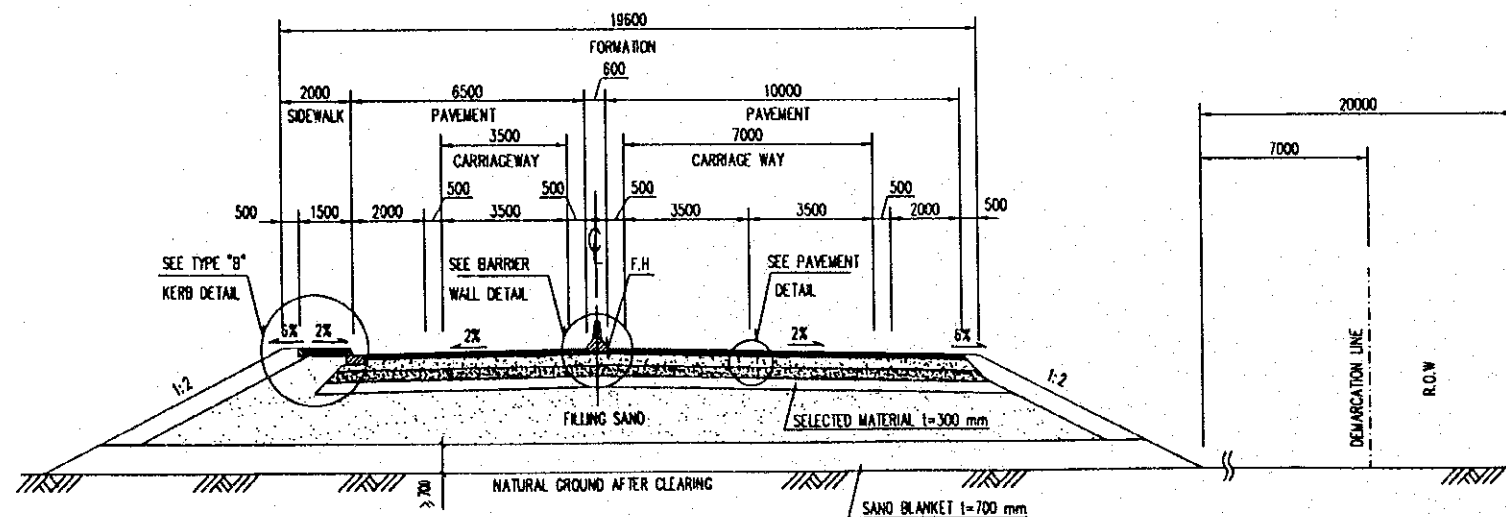
"B" ROAD

SCALE 1:200



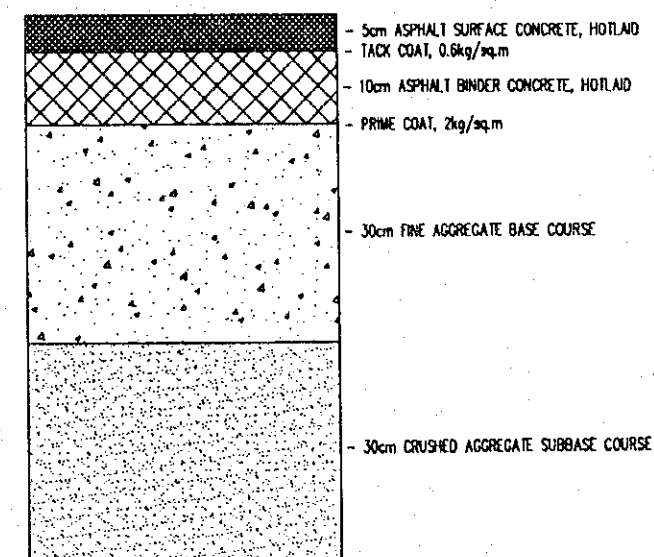
"A" ROAD

SCALE 1:200



PAVEMENT DETAIL

NOT TO SCALE



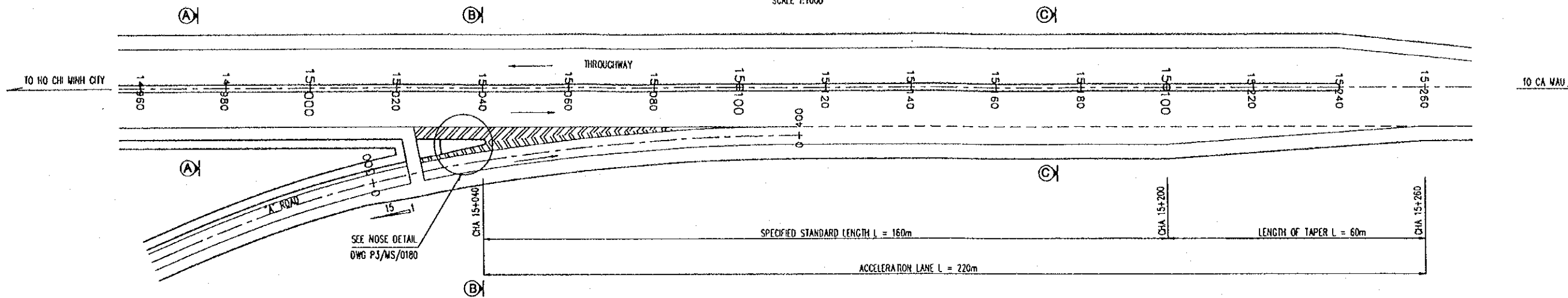
NOTES:

- EMBANKMENT HEIGHT <3m PVD IS NOT USED.
- SCALE AS SHOWN.
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE INDICATED.
- KERB SEE DWG P3/MS/0160.
- MEDIAN BARRIER WALL SEE DWG P3/MS/0170.
- 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 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERSECTION TYPICAL CROSS SECTION AND PAVEMENT STRUCTURE | P3/IS/0050 |

PLAN

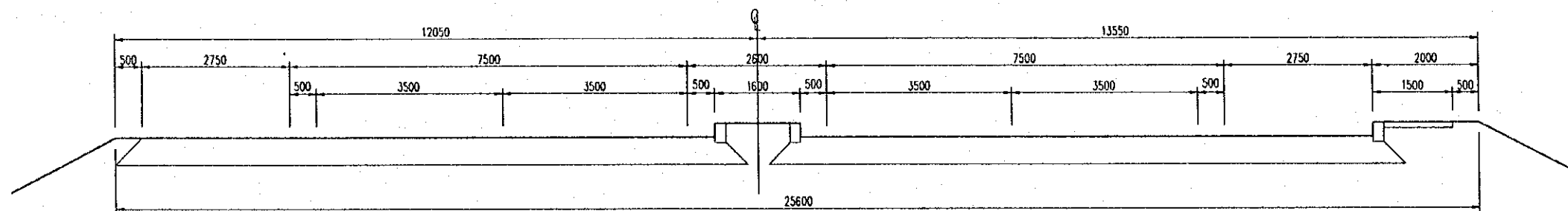
SCALE 1:1000



SECTIONS

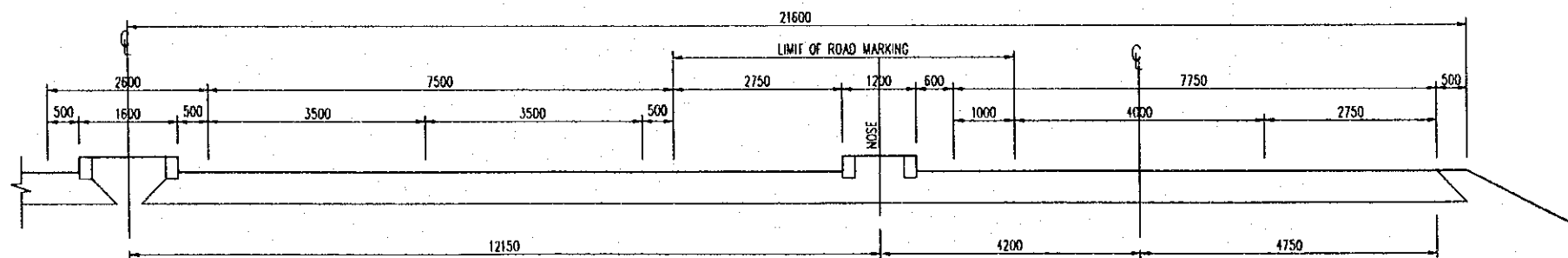
A - A

SCALE 1:100



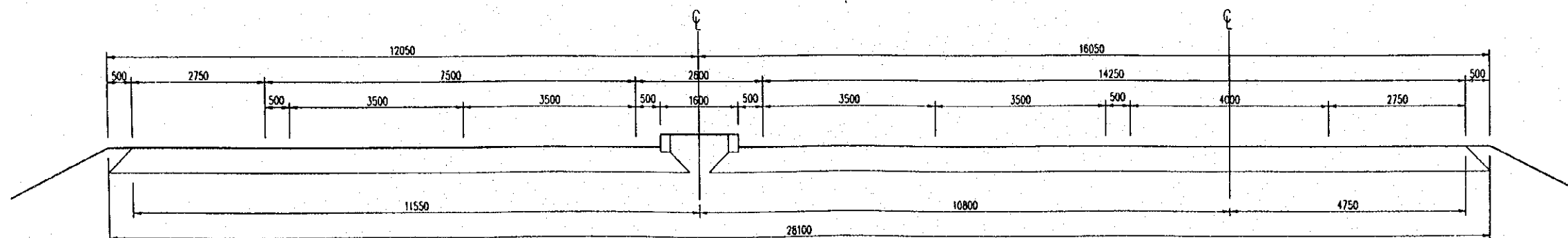
B - B

SCALE 1:100



C - C

SCALE 1:100

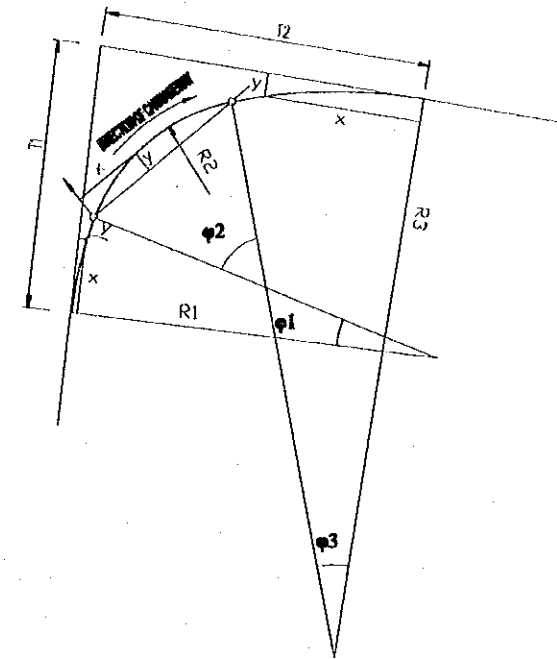


NOTES:

- 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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO., LTD. | NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERSECTION DETAIL OF RAMP TERMINAL | P3/IS/0060 |

LAYOUT FOR POSITIONING THE - 3 CENTER CURVE



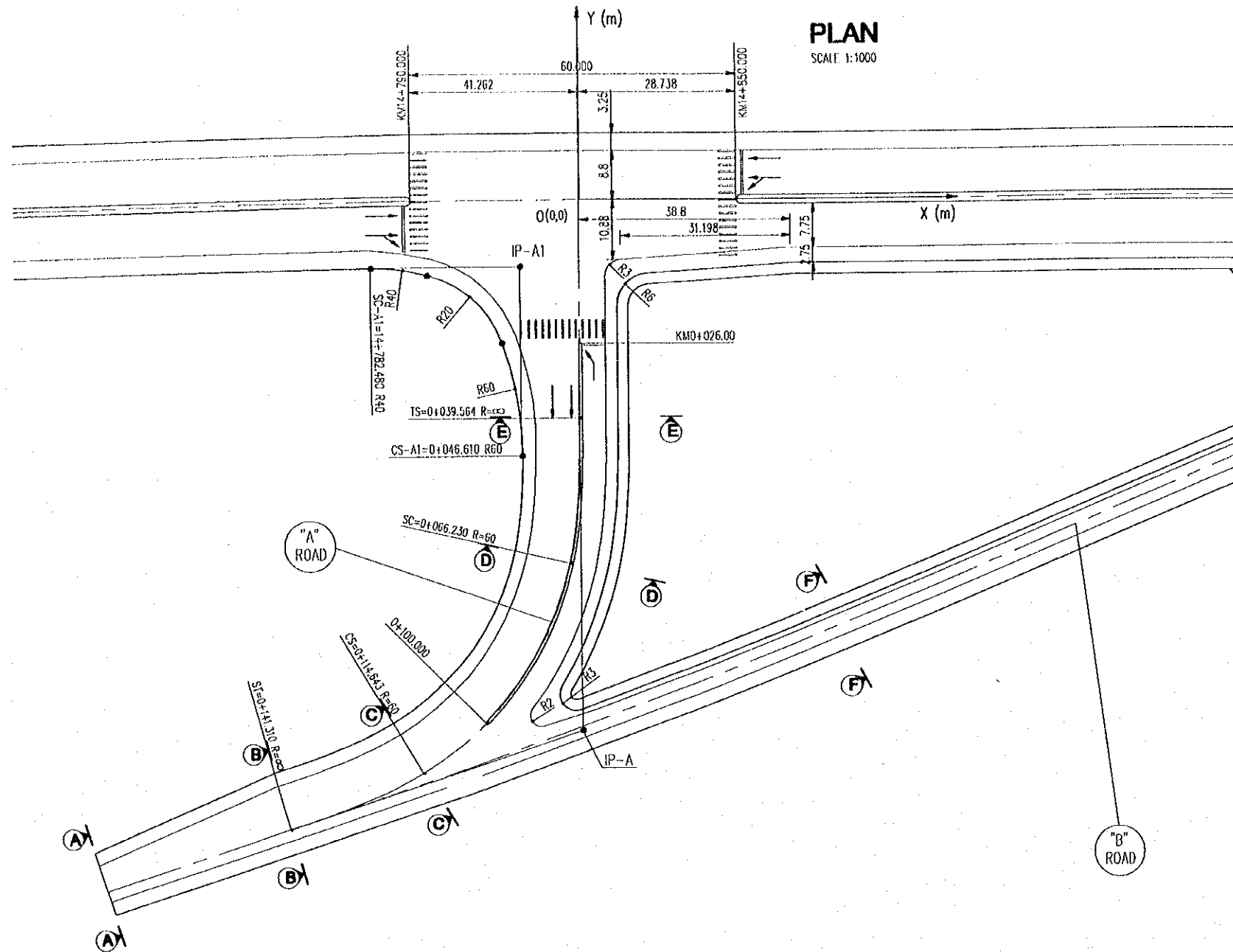
LIST OF COORDINATES

| SEGMENT | X (m) | Y (m) |
|---------|--------|-------|
| 1 | 4.990 | 0.310 |
| | 9.900 | 1.240 |
| | 10.350 | 1.360 |
| 2 | 4.670 | 1.740 |
| | 9.630 | 2.260 |
| | 14.570 | 1.550 |
| | 18.500 | 0.000 |
| 3 | 4.990 | 0.210 |
| | 9.950 | 0.830 |
| | 14.840 | 1.870 |
| | 19.630 | 3.300 |
| | 20.520 | 3.620 |

R1=40 R2=20 R3=60
 IA=90°05'54" φ1=14°59'36" φ3=19°58'56"
 T1=27.62 T2=34.40

PLAN

SCALE: 1:1000



LIST OF COORDINATES

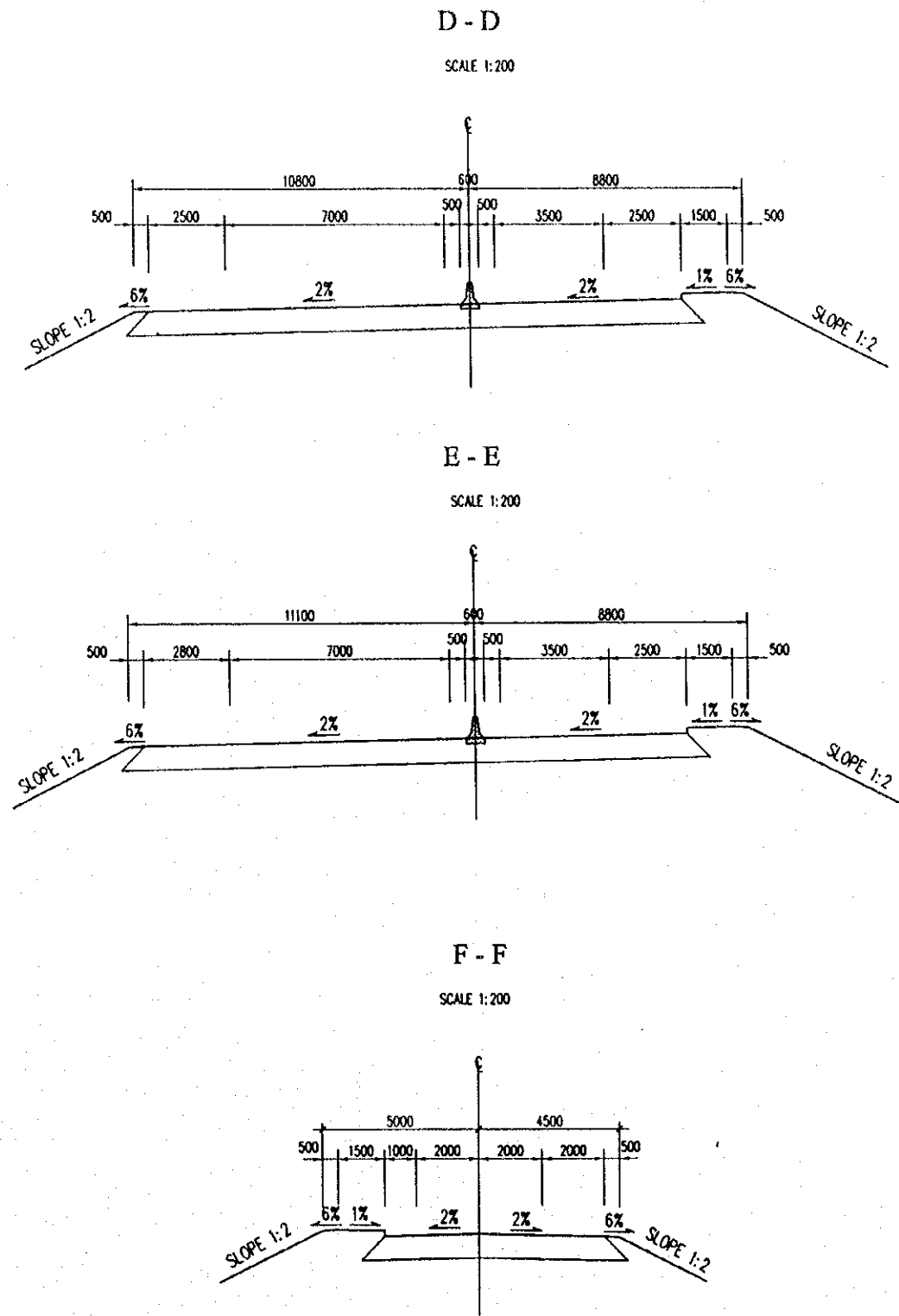
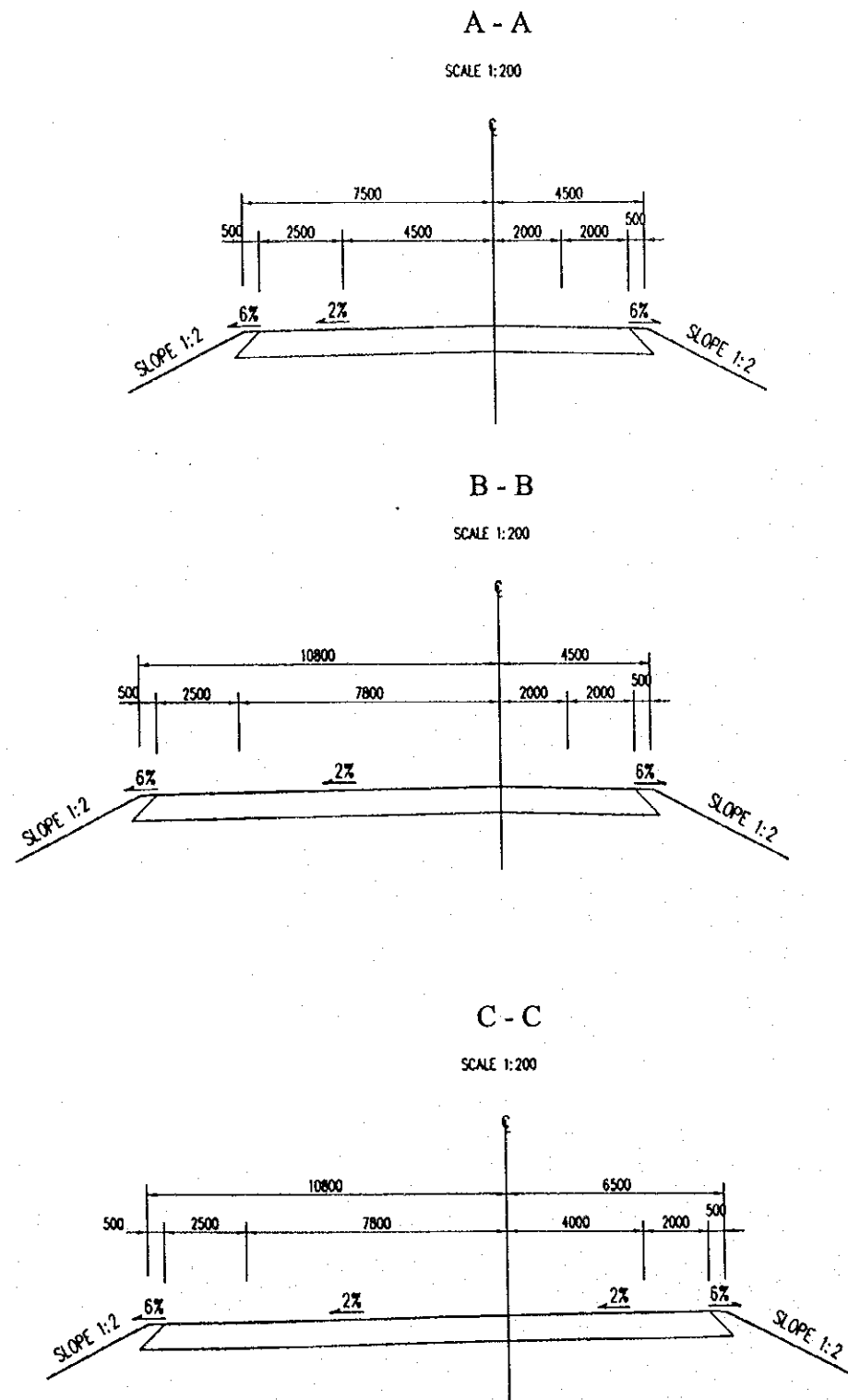
| IP-No | POINT | X (m) | Y (m) | RADIUS (m) | IA |
|-------|---------|---------|----------|------------|-----------|
| IP-A | TS-A | 0.000 | -39.564 | | |
| | SC-A | -1.946 | -66.100 | | |
| | IP-A | 0.000 | -96.581 | R=60 | 71°41'44" |
| | CS-A | -29.522 | -104.295 | | |
| IP-A1 | ST-A | -54.093 | -114.506 | | |
| | SC-A1 | -38.616 | -12.266 | R1=40 | 90°05'54" |
| | IP-A1 | -11.007 | -12.067 | R2=20 | |
| CS-A1 | -10.819 | -46.446 | R3=60 | | |

NOTES

- THE COORDINATE (0,0) TO BE INTERSECTION OF THE RAMP 'A'S' CENTRALLINE AND THE MAIN ROAD'S.
- Y AXIS TO BE THE DIRECTION (IP-A-0) SHOWN ON THE PLAN.
- THE CURVE IP-A1 TO BE POSITIONED ACCORDING TO SPECIFICATIONS OF THE 3 - CENTER CURVE.
- CROSS - SECTION, SEE DWG P3/IS/0080.
- 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 | JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) | SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT | (NK) NIPPON KOEI CO.,LTD. | NAME: K. Nemoto SIGNATURE: <i>K. Nemoto</i> DATE: 20/9/2000 | NAME: K. Nakai SIGNATURE: <i>K. Nakai</i> DATE: 29/9/2000 | NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000 | INTERSECTION DETAIL OF INTERSECTION (1/2) | P3/IS/0070 |

CROSS - SECTION ROAD "A", "B"



| 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 | INTERSECTION DETAIL OF INTERSECTION (2/2) | P3/TS/0080 |
| | | | | SIGNATURE: <i>K. Nemoto</i> | <i>K. Nakai</i> | <i>K. Enomoto</i> | | |
| | | | | DATE: 20/9/2000 | 24/9/2000 | 5/10/2000 | | |