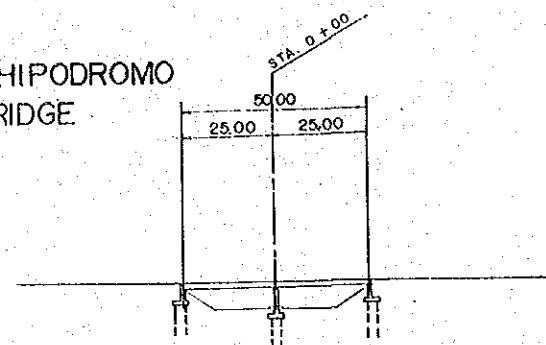
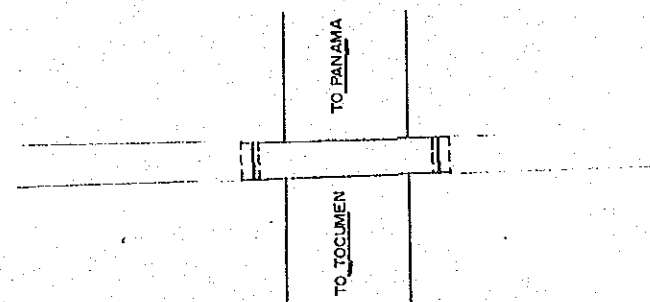


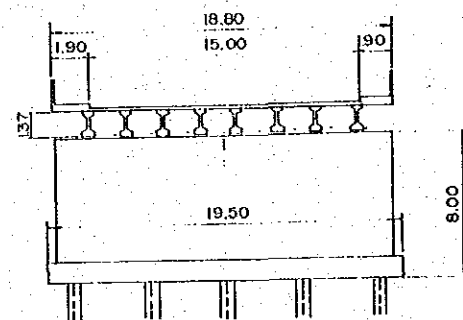
SAN MIGUELITO-HIPODROMO
INTERCHANGE BRIDGE



ELEVATION Scale 1:1000



PLAN Scale 1:1000



SECTION Scale 1:200

DESIGN CRITERIA

| TYPE | P.C. SIMPLE COMPOSITE GIRDER |
|---------------------|--|
| TOTAL BRIDGE LENGTH | 50 ^m 00 |
| SPAN | 25 ^m 00 + 25 ^m 00 |
| WIDTH | 15 ^m 00 + 1 ^m 90 + 1 ^m 90 |
| LIVE LOAD | MS 20 - 44 (M 18) |
| IMPACT COEFFICIENT | $I = 15.24 / (L + 38)$ |
| SEISMIC INTENSITY | C = 0.06 |
| STANDARD | AASHTO |

ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE VIA SAN MIGUELITO - HIPODROMO INTERCHANGE BRIDGE
TITULO PUENTE SOBRE LA VIA SAN MIGUELITO - HIPODROMO

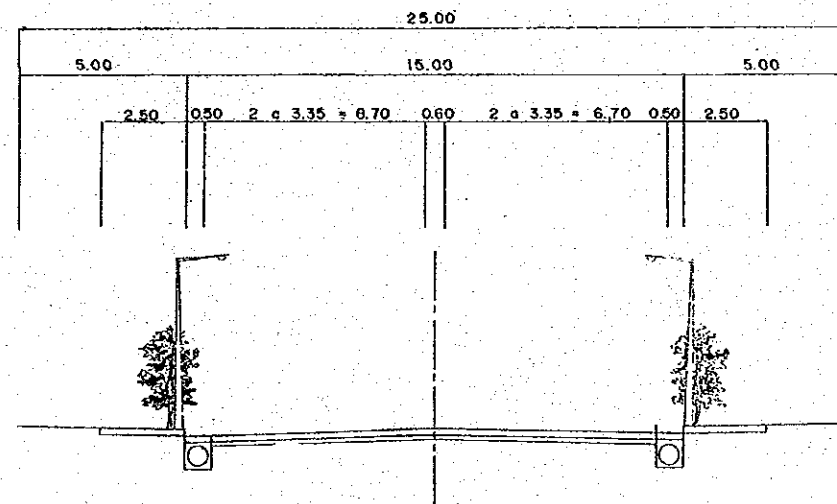
SCALE ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE

DWG No. 1101A No.
PAGE No. 50
PAGINA No.

TYPICAL CROSS SECTION OF VIA JUAN DIAZ

STA (10 + 00)

SCALE 1:100



ESTAMPA 1.1

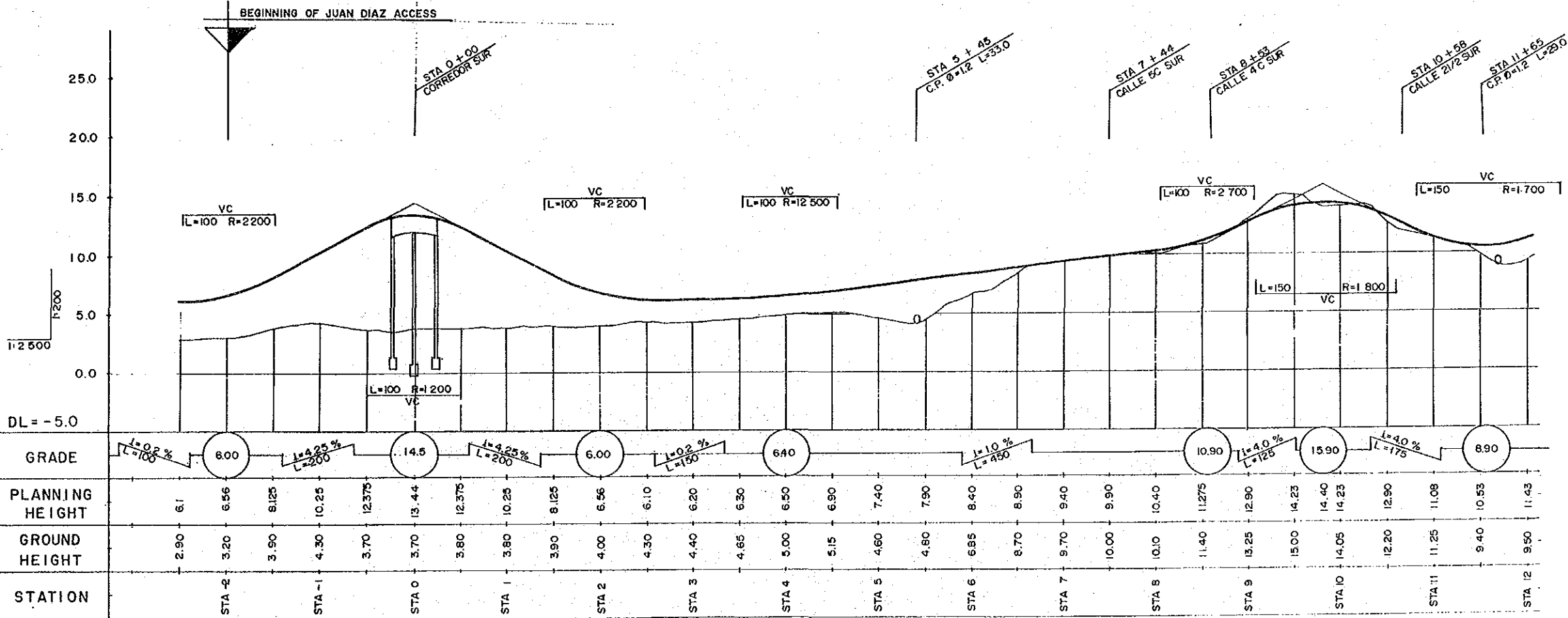
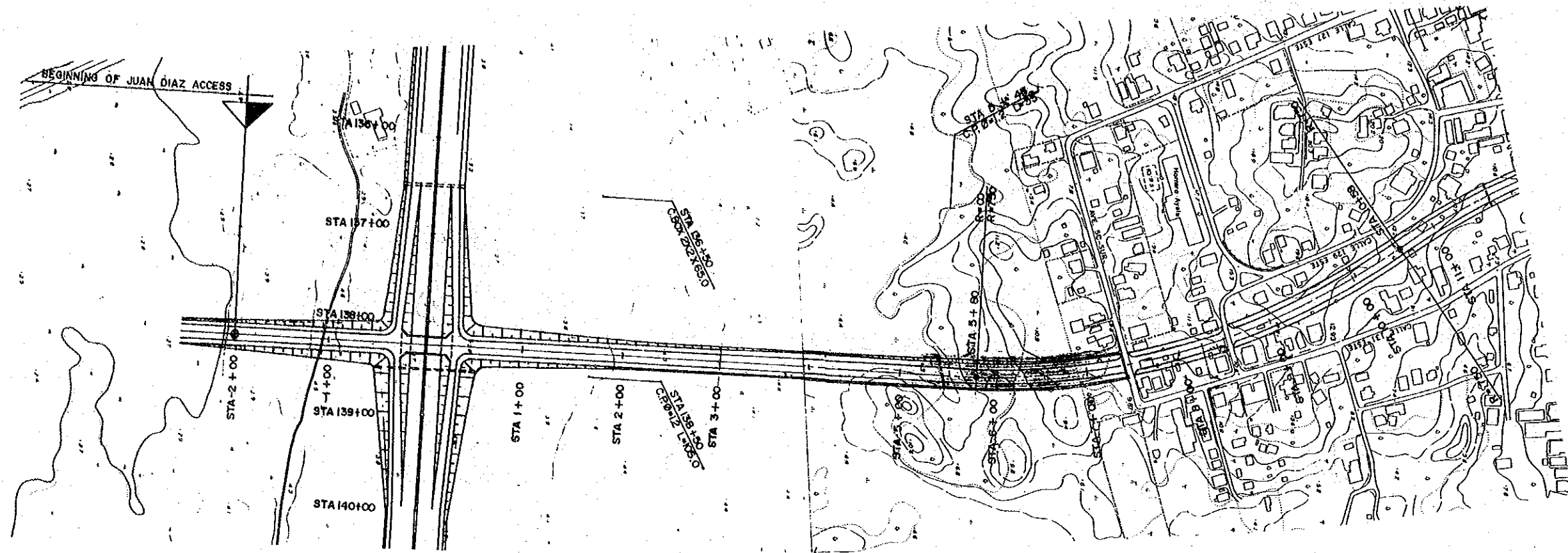
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
 THE MINISTRY OF PUBLIC WORKS
 AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
 DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
 ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE TYPICAL CROSS SECTION OF VIA JUAN DIAZ
 TITULO SECCION TRANSVERSAL TIPICA DE LA VIA JUAN DIAZ

SCALE ESCALA
 DATE FECHA NOVEMBER 1987 NOVIEMBRE 1987

DWG No. HOJA No.
 PAGE No. PAGINA No. 51



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|----------------|--------|-------|----------------|--------|-------|---------------|-------|-------|---------------|-------|-------|---------------|--------|--------|---------------|------|-------|---------------|------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| GRADE | -0.2% L=100 | | 6.00 | 4.25% L=200 | | 14.5 | 0.2% L=200 | | 6.00 | 0.2% L=150 | | 6.40 | 1.0% L=450 | | 10.90 | 4.0% L=125 | | 15.90 | 4.0% L=175 | | 8.90 | | | | | | | | | | | |
| PLANNING HEIGHT | 6.1 | 6.56 | 8.125 | 10.25 | 12.375 | 13.44 | 12.375 | 10.25 | 8.125 | 6.56 | 6.10 | 6.20 | 6.30 | 6.50 | 6.90 | 7.40 | 7.90 | 8.40 | 8.70 | 8.90 | 9.40 | 9.90 | 10.40 | 11.275 | 12.90 | 14.23 | 14.40 | 14.23 | 12.90 | 11.08 | 10.53 | 11.43 |
| GROUND HEIGHT | 2.90 | 3.20 | 3.90 | 4.30 | 3.70 | 3.70 | 3.80 | 3.80 | 3.90 | 4.00 | 4.30 | 4.40 | 4.65 | 5.00 | 5.15 | 4.60 | 4.80 | 6.85 | 8.70 | 9.70 | 10.00 | 10.10 | 11.40 | 13.25 | 15.00 | 14.05 | 14.23 | 12.20 | 11.25 | 9.40 | 9.50 | |
| STATION | STA -2 | STA -1 | STA 0 | STA 1 | STA 2 | STA 3 | STA 4 | STA 5 | STA 6 | STA 7 | STA 8 | STA 9 | STA 10 | STA 11 | STA 12 | | | | | | | | | | | | | | | | | |

ESTAMPA III

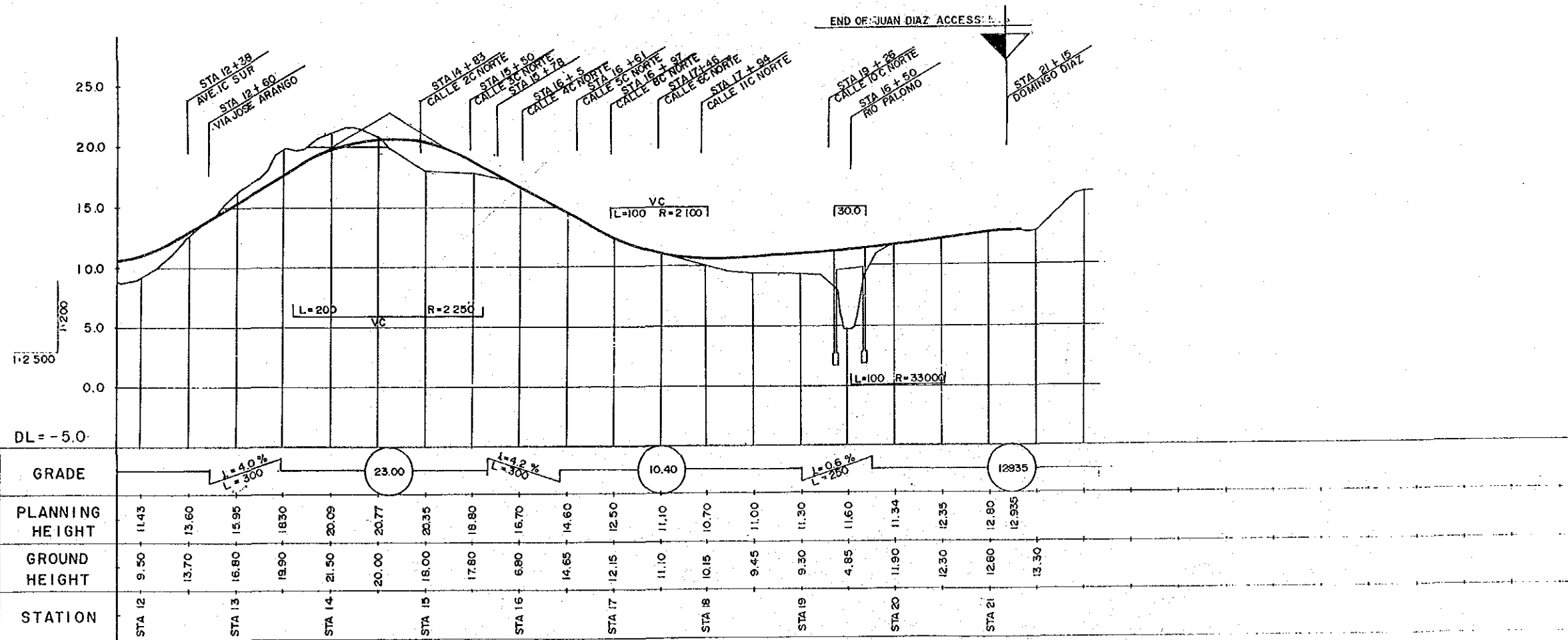
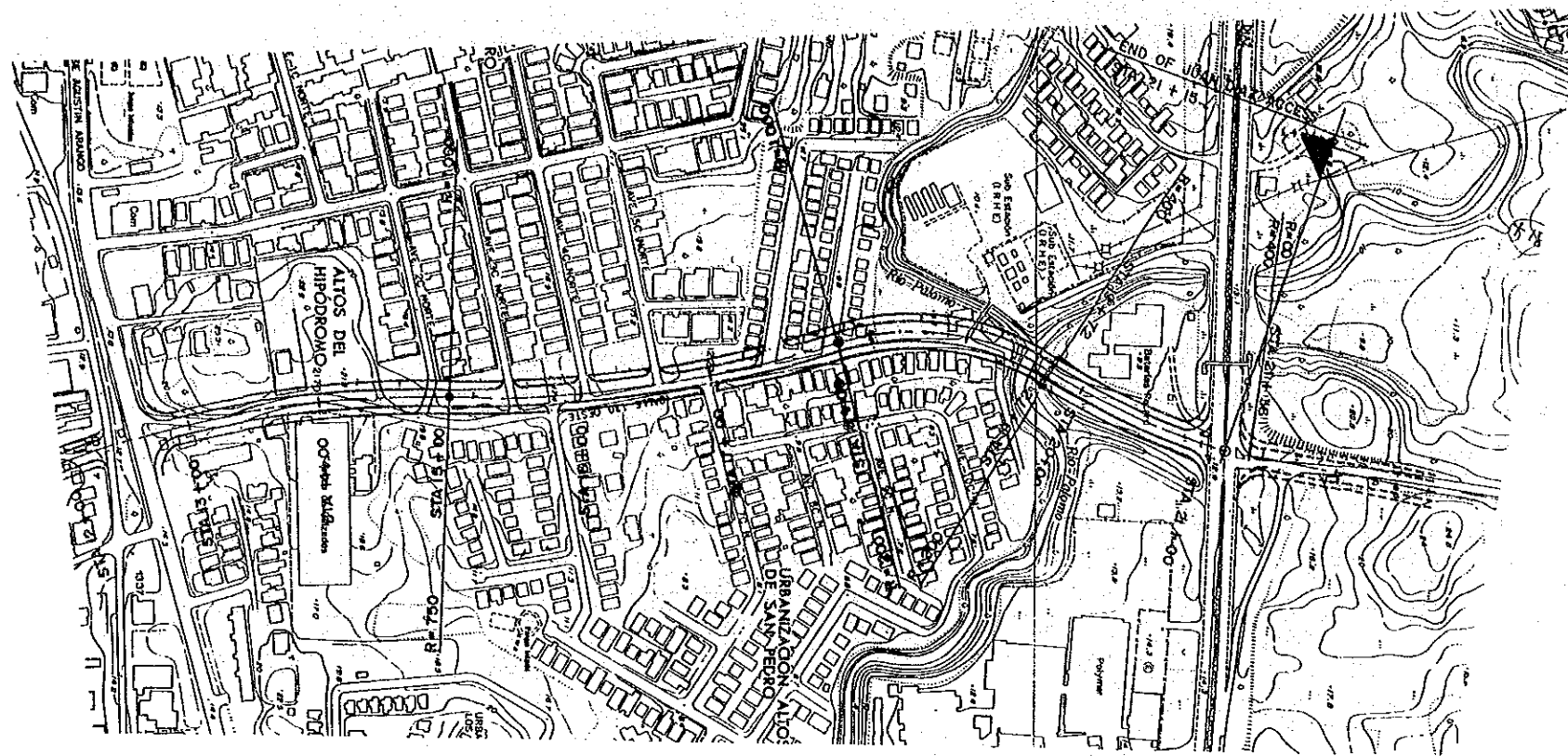
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
 THE MINISTRY OF PUBLIC WORKS
 AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
 DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
 ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE VIA JUAN DIAZ PLAN & PROFILE (I)
 TITULO PLANO-PERFIL DE LA VIA JUAN DIAZ (I)

SCALE ESCALA
 DATE FECHA NOVEMBER 1987
 NOVIEMBRE

DWG No. HOJA No.
 PAGE No. PAGINA No. 52



ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

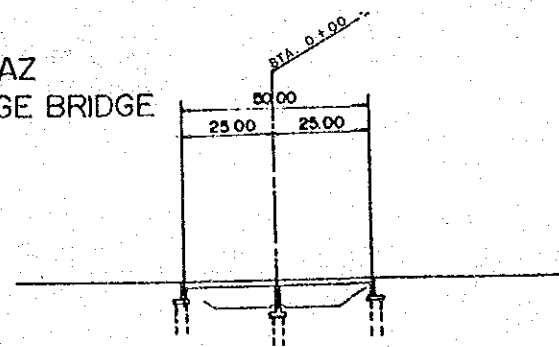
THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE VIA JUAN DIAZ PLAN B PROFILE (2)
TITULO PLANO-PERFIL DE LA VIA JUAN DIAZ (2)

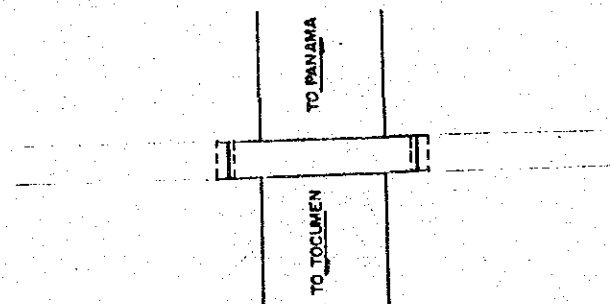
SCALE ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE 1987

DWG No. HOJA No.
PAGE No. PAGINA No.
53

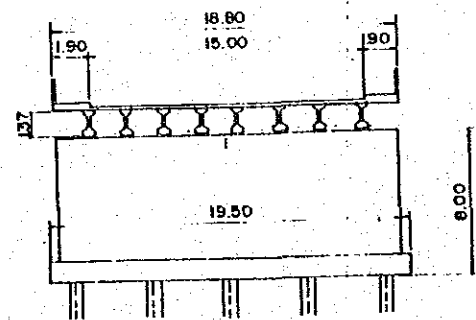
JUAN DIAZ
INTERCHANGE BRIDGE



ELEVATION Scale 1:1000



PLAN Scale 1:1000



SECTION Scale 1:200

DESIGN CRITERIA

| TYPE | P.C. SIMPLE COMPOSITE GIRDER |
|---------------------|---|
| TOTAL BRIDGE LENGTH | 50. ^m 00 |
| SPAN | 25. ^m 00 + 25. ^m 00 |
| WIDTH | 15. ^m 00 + 1. ^m 90 + 1. ^m 90 |
| LIVE LOAD | MS 20 - 44 (M 18) |
| IMPACT COEFFICIENT | $I = 15.24 / (L + 38)$ |
| SEISMIC INTENSITY | C = 0.06 |
| STANDARD | AASHTO |

ESTAMPA III

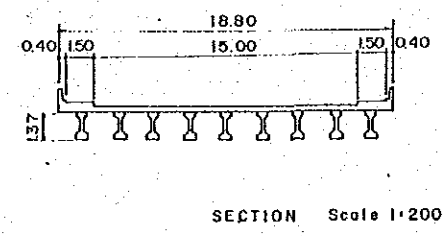
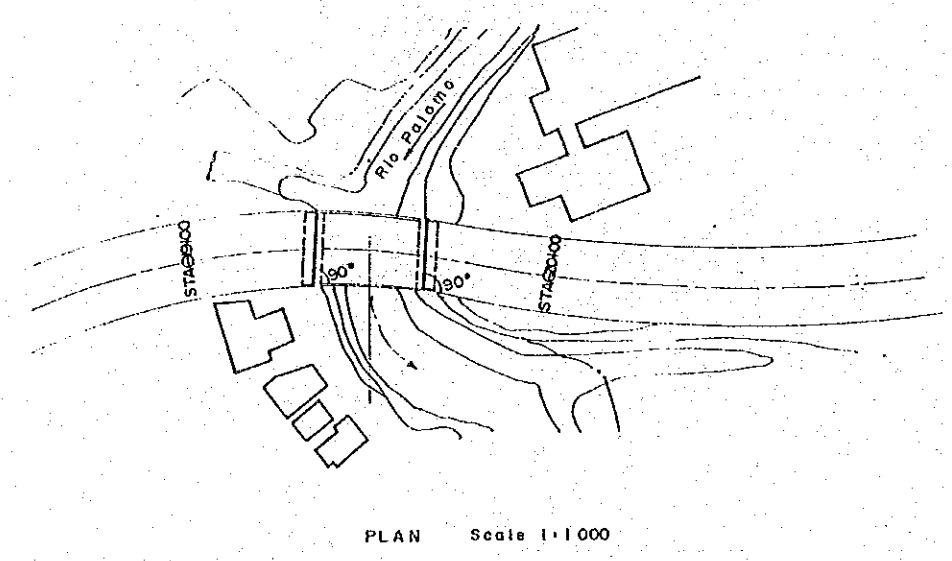
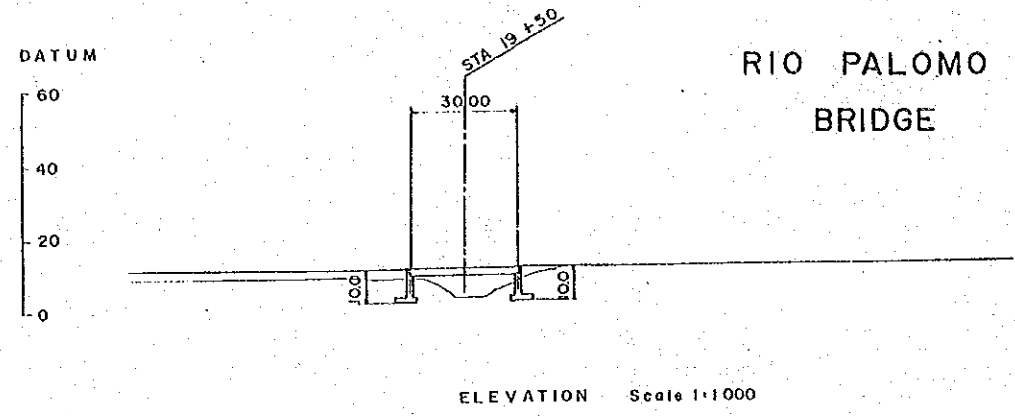
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE VIA JUAN DIAZ INTERCHANGE BRIDGE
TITULO PUENTE SOBRE LA VIA JUAN DIAZ

SCALE
ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE 1987

DWG No
HOJA No
PAGE No 54
PAGINA No



DESIGN CRITERIA

| TYPE | P.C. SIMPLE COMPOSITE GIRDER |
|---------------------|--|
| TOTAL BRIDGE LENGTH | 30 ^m 00 |
| SPAN | 30 ^m 00 |
| WIDTH | 15 ^m 00 + 1 ^m 50 + 1 ^m 50 |
| LIVE LOAD | MS 20 - 44 (M 18) |
| IMPACT COEFFICIENT | 1 + 15.24 / (L + 38) |
| SEISMIC INTENSITY | C = 0.06 |
| STANDARD | AASHTO |

ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

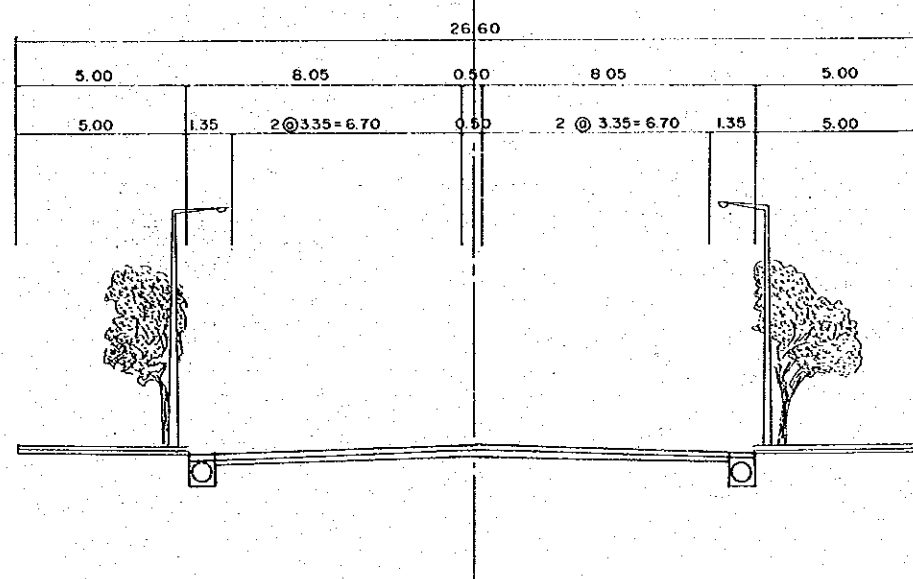
THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE VIA JUAN DIAZ RIO PALOMO BRIDGE
TITULO PUENTE SOBRE EL RIO PALOMO EN LA VIA JUAN DIAZ

| | |
|---------------------------------|--------------------------|
| SCALE ESCALA | DWG No. NO. DE DISEÑO |
| DATE FECHA | PAGE No. PÁGINA No. |
| NOVEMBER 1987 NOVIEMBRE 1987 | 55 |

TYPICAL CROSS SECTION OF CIUDAD RADIAL

STA. 110+001
SCALE 1:100



ESTAMPA III

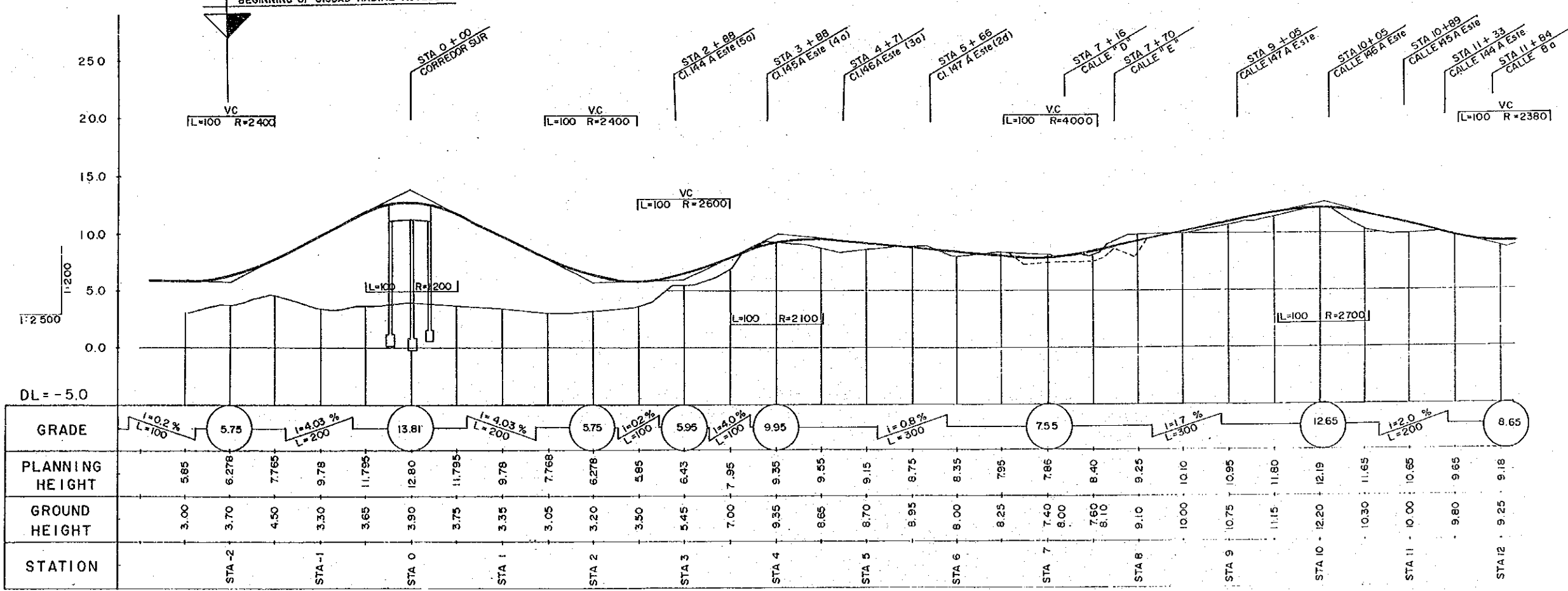
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

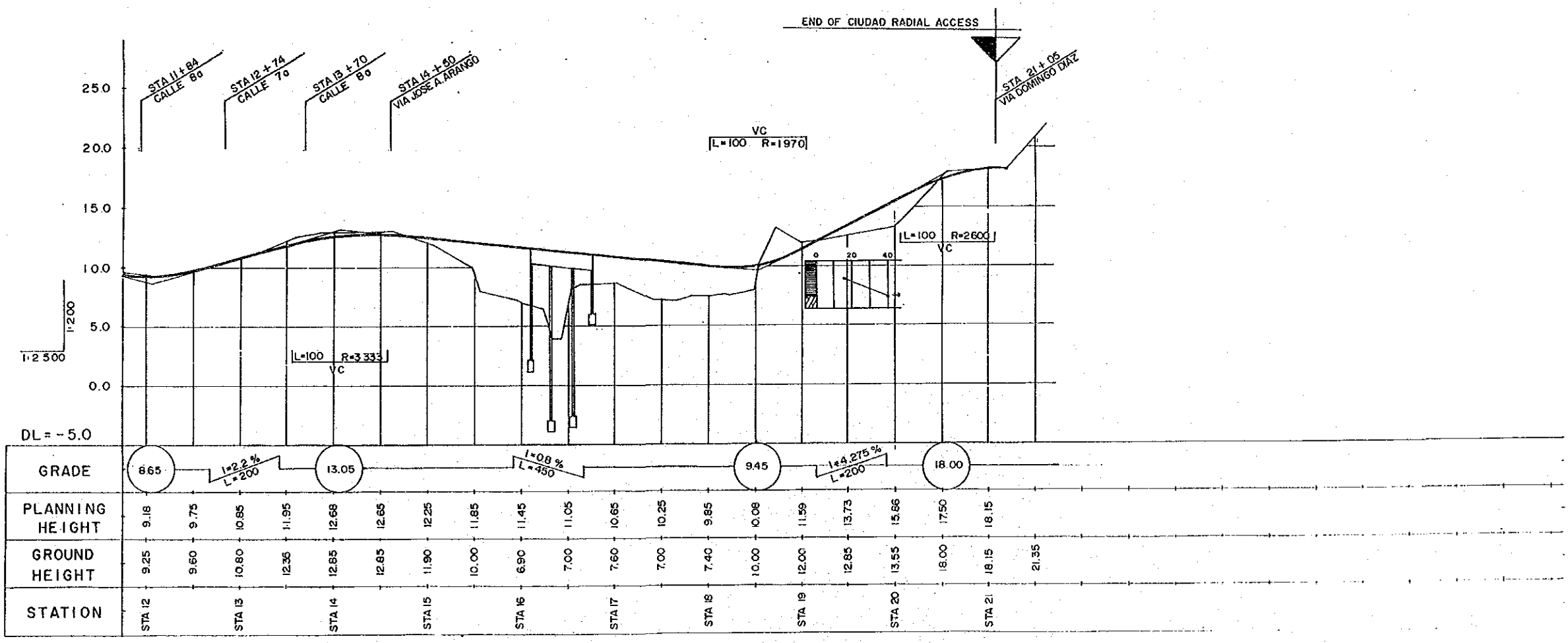
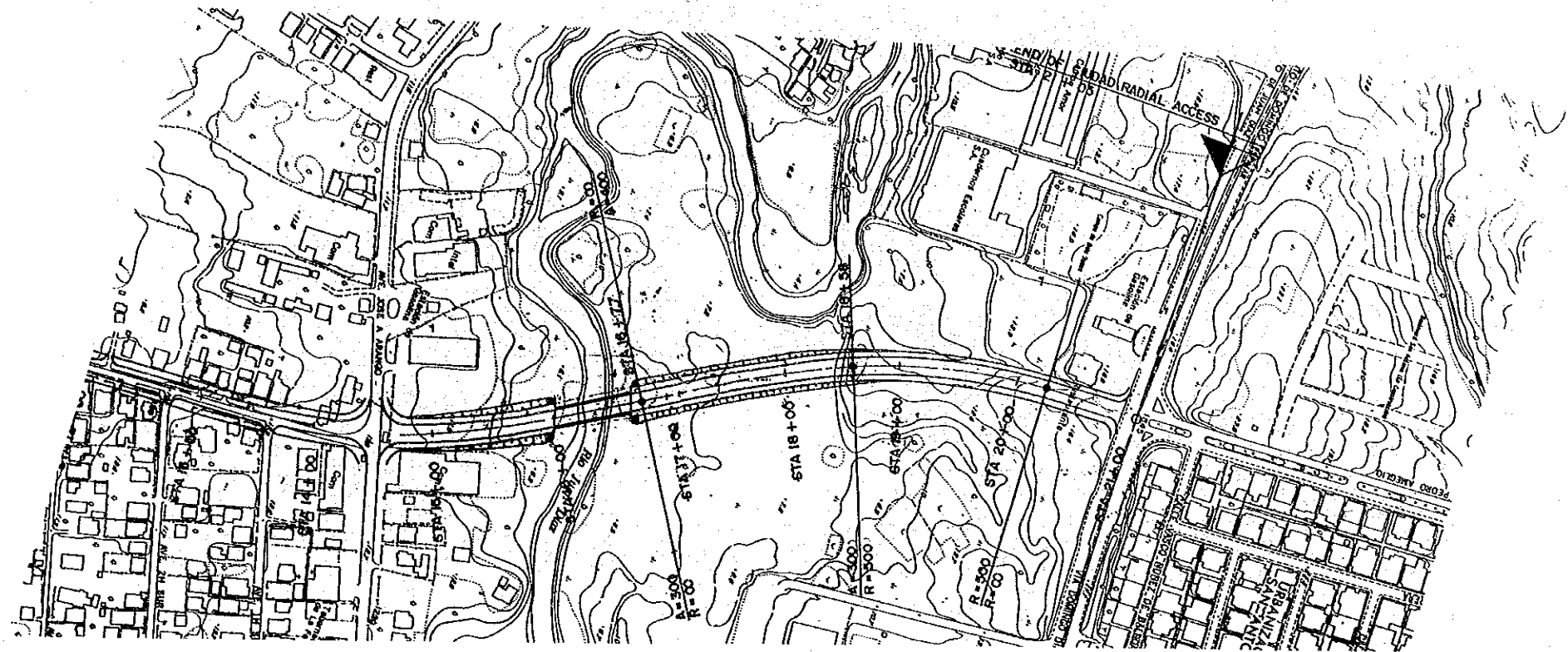
THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE TYPICAL CROSS SECTION OF VIA CIUDAD RADIAL
TITULO SECCION TRANSVERSAL TIPICA DE LA VIA CIUDAD RADIAL

SCALE ESCALA
DATE FECHA NOVEMBER 1987
NOVIEMBRE

DWG No. HOJA No.
PAGE No. PAGINA No. 56





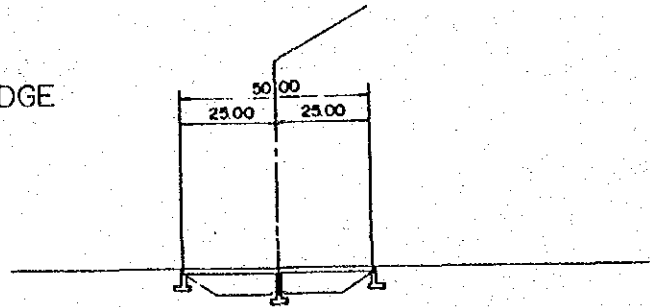
ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH THE MINISTRY OF PUBLIC WORKS
 AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION DEL MINISTERIO DE OBRAS PUBLICAS

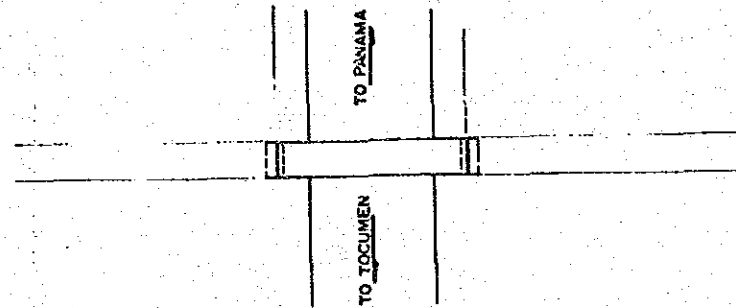
**THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
 ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA**

| | | | | | |
|--------|--|-------|----------------|----------|------------|
| TITLE | VIA CIUDAD RADIAL PLAN & PROFILE (2) | SCALE | ESCALA | OWG No. | HOJA No. |
| TITULO | PLANO-PERFIL DE LA VIA CIUDAD RADIAL (2) | DATE | NOVEMBER 1987 | PAGE No. | PAGINA No. |
| | | FECHA | NOVIEMBRE 1987 | 58 | 58 |

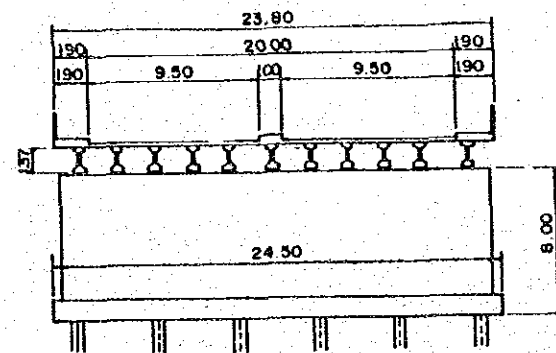
CIUDAD RADIAL
INTERCHANGE BRIDGE



ELEVATION Scale 1:1000



PLAN Scale 1:1000



SECTION Scale 1:200

DESIGN CRITERIA

| TYPE | P.C. SIMPLE COMPOSITE GIRDER |
|---------------------|---|
| TOTAL BRIDGE LENGTH | 50. ^m 00 |
| SPAN | 25. ^m 00 + 25. ^m 00 |
| WIDTH | 9. ^m 50 + 1. ^m 90 |
| LIVE LOAD | MS 20 - 44 (M 18) |
| IMPACT COEFFICIENT | $I = 1524 / (L + 38)$ |
| SEISMIC INTENSITY | C-0.06 |
| STANDARD | AASHTO |

ESTAMPA III

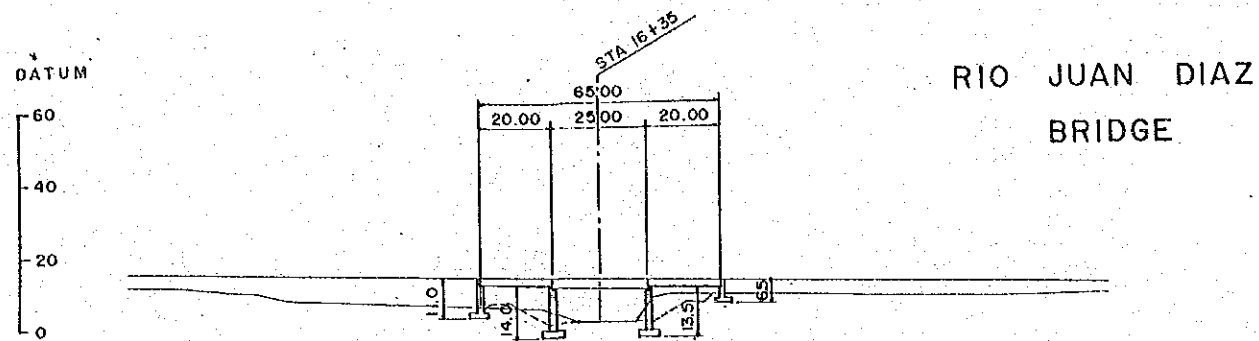
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

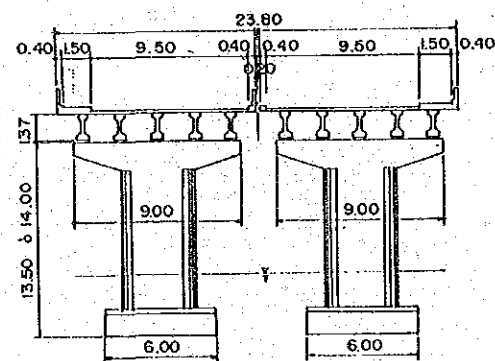
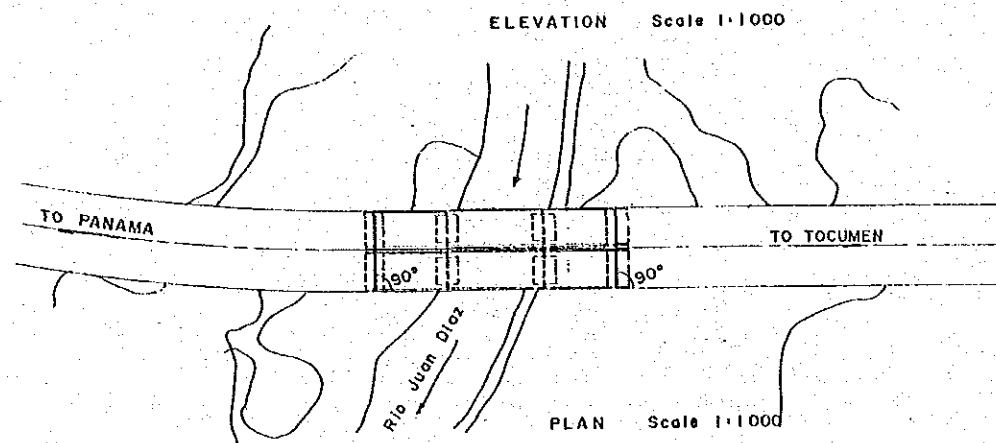
TITLE VIA CIUDAD RADIAL INTERCHANGE BRIDGE
TITULO PUENTE SOBRE LA VIA CIUDAD RADIAL

SCALE ESCALA
DATE FECHA NOVEMBER 1987
NOVIEMBRE 1987

DWG No. NO. JA No.
PAGE No. PAGINA No. 59



RIO JUAN DIAZ
BRIDGE



SECTION Scale 1:200

DESIGN CRITERIA

| TYPE | P.C. SIMPLE COMPOSITE GIRDER |
|---------------------|---|
| TOTAL BRIDGE LENGTH | 65. ^m 00 |
| SPAN | 20. ^m 00 + 25. ^m 00 + 20. ^m 00 |
| WIDTH | 9. ^m 50 + 1. ^m 50 |
| LIVE LOAD | MS 20-44 (M 18) |
| IMPACT COEFFICIENT | $I = 15.24 / (L + 38)$ |
| SEISMIC INTENSITY | C = 0.06 |
| STANDARD | AASHTO |

ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

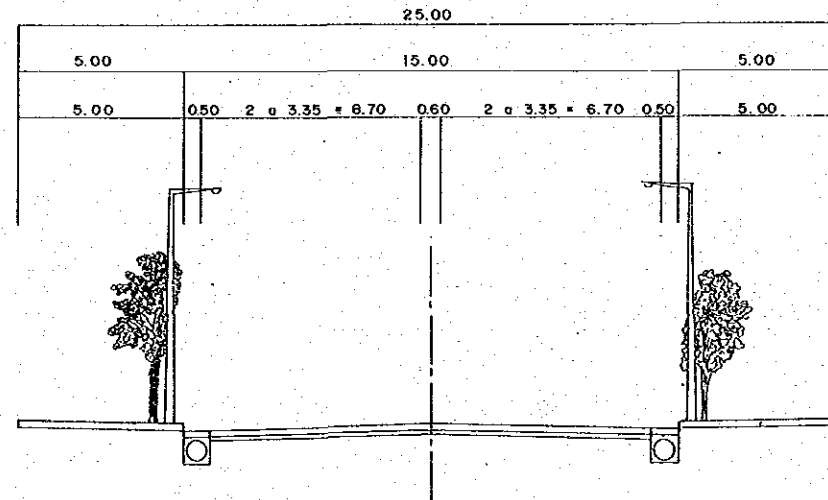
TITLE VIA CIUDAD RADIAL -- RIO JUAN DIAZ BRIDGE
TITULO PUENTE SOBRE RIO JUAN DIAZ EN VIA CIUDAD RADIAL

SCALE ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE 1987

FIG. No. 60
PAGE No. 60

TYPICAL CROSS SECTION OF VIA DON BOSCO

STA (10+00)
SCALE 1:100



ESTAMPA III

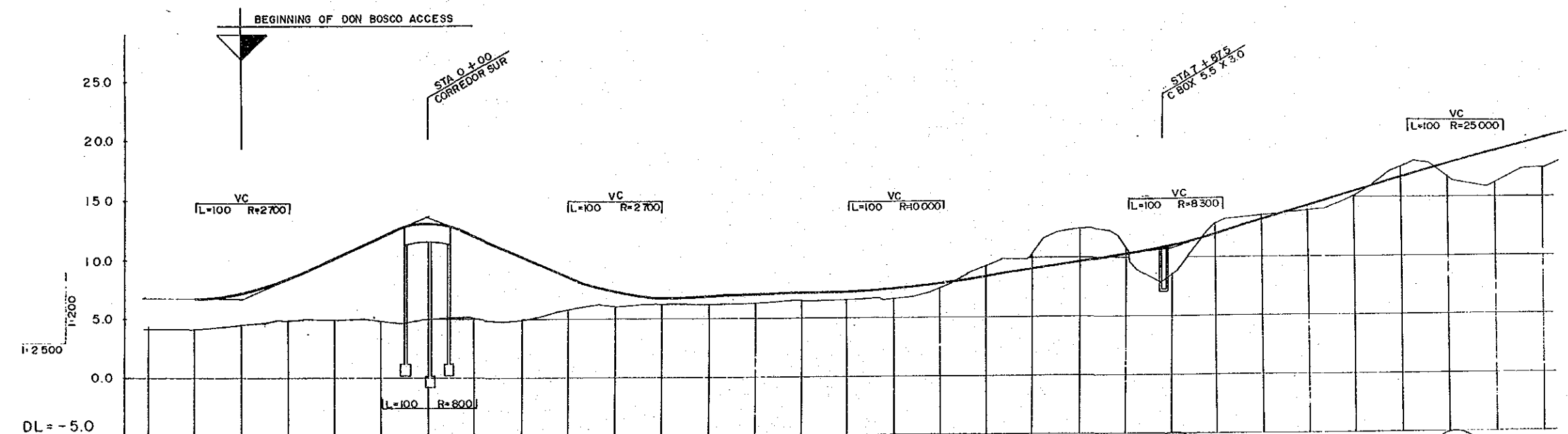
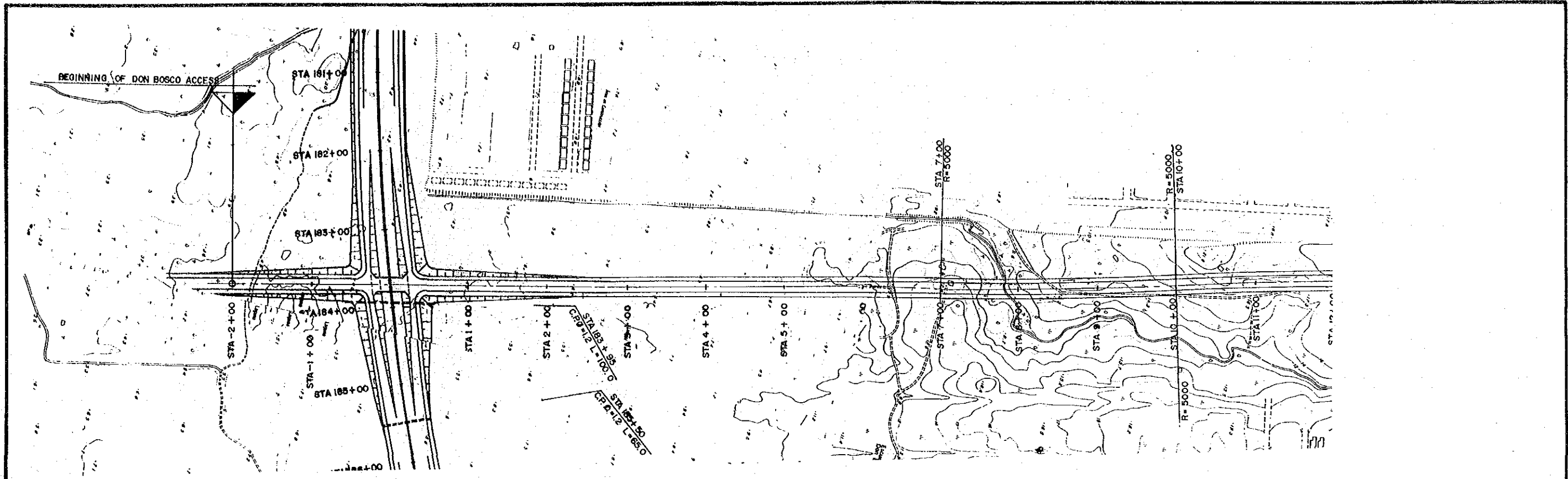
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

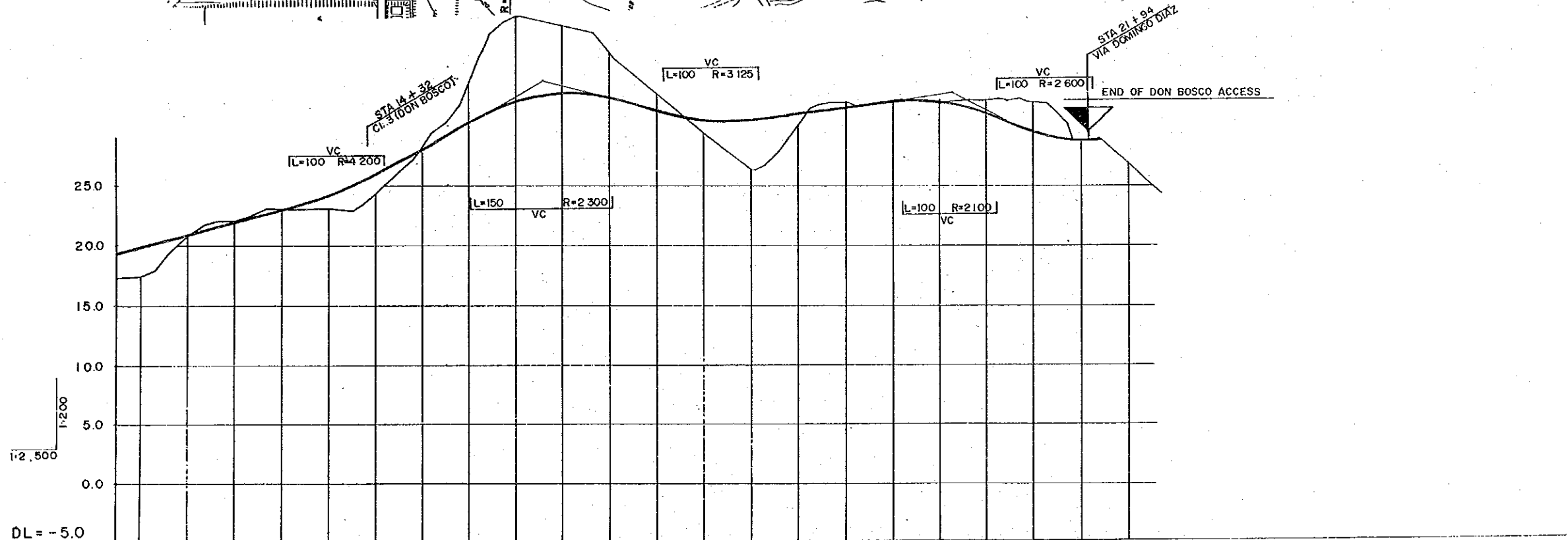
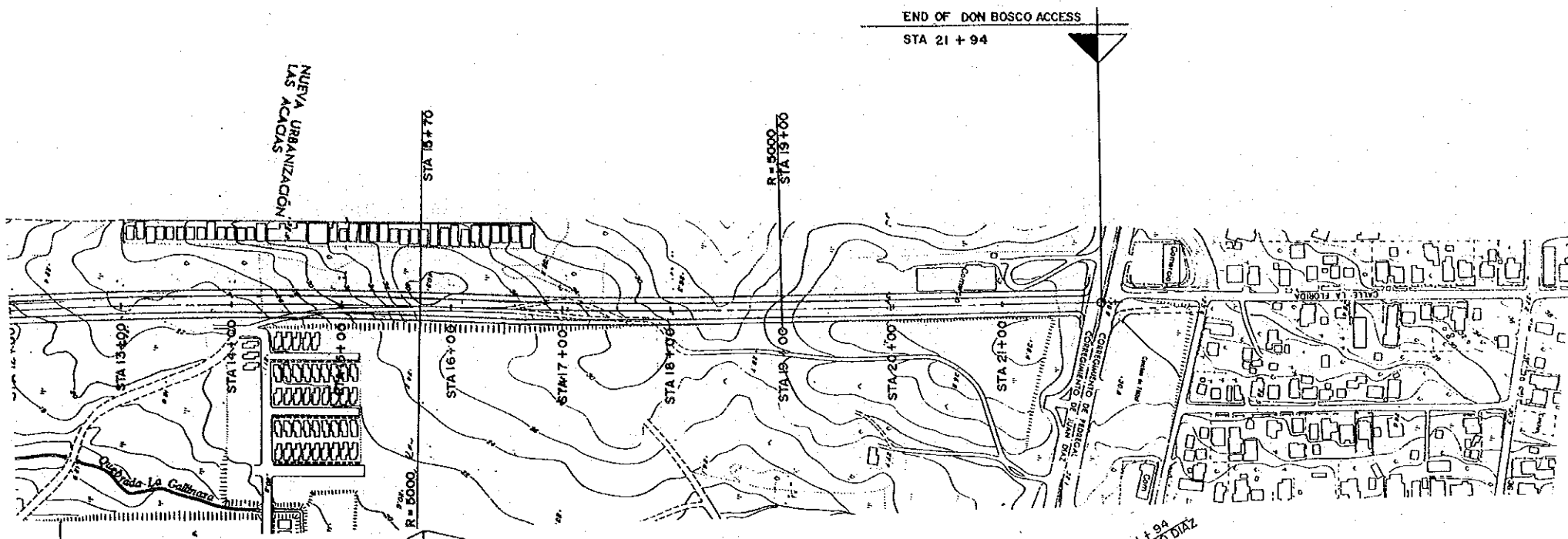
TITLE TYPICAL CROSS SECTION OF VIA DON BOSCO
TITULO SECCION TRANSVERSAL TIPICA DE LA VIA DON BOSCO

SCALE
ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE 1987

DWG No.
HOJA No.
PAGE No. 61
PAGINA No. 61



| GRADE | 1 = 0.2% L = 100 | | 6.70 | 1 = 3.5% L = 100 | | 13.80 | 1 = 3.5% L = 100 | | 6.7 | 1 = 0.2% L = 500 | | 7.30 | 1 = 12% L = 300 | | 10.90 | 1 = 2.4% L = 300 | | 18.10 | | | | | | | | | | | | | |
|-----------------|---------------------|--------|--------|---------------------|-------|--------|---------------------|--------|-------|---------------------|-------|-------|--------------------|--------|--------|---------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PLANNING HEIGHT | 6.90 | 6.80 | 7.16 | 6.48 | 10.25 | 12.025 | 12.92 | 12.025 | 10.25 | 6.48 | 7.16 | 6.80 | 6.90 | 7.00 | 7.10 | 7.20 | 7.42 | 7.90 | 8.50 | 9.10 | 9.70 | 10.30 | 11.05 | 12.10 | 13.30 | 14.50 | 15.70 | 16.90 | 18.05 | 19.10 | 20.10 |
| GROUND HEIGHT | 4.10 | 4.10 | 4.43 | 4.90 | 4.90 | 4.90 | 4.90 | 5.10 | 4.90 | 5.70 | 6.10 | 6.30 | 6.30 | 6.40 | 6.50 | 6.65 | 6.70 | 7.80 | 9.55 | 10.55 | 12.49 | 10.00 | 9.95 | 13.10 | 13.65 | 14.05 | 15.60 | 17.60 | 16.20 | 16.60 | 17.60 |
| STATION | STA -3 | STA -2 | STA -1 | STA 0 | STA 1 | STA 2 | STA 3 | STA 4 | STA 5 | STA 6 | STA 7 | STA 8 | STA 9 | STA 10 | STA 11 | STA 12 | | | | | | | | | | | | | | | |



| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|----------------|--------|--------|----------------|--------|--------|----------------|--------|--------|-----------------|--------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GRADE | L=20% L=300 | | 24.10 | L=44% L=225 | | 34.00 | L=22% L=175 | | 30.15 | L=1.0% L=250 | | 32.65 | L=3.3% L=100 | | 28.85 | | | | | | | | |
| PLANNING HEIGHT | 20.10 | 21.10 | 22.10 | 23.10 | 24.40 | 26.30 | 28.50 | 30.70 | 32.35 | 32.76 | 32.90 | 32.35 | 31.25 | 30.55 | 30.65 | 31.15 | 31.65 | 32.15 | 32.05 | 30.75 | 29.34 | 28.80 | |
| GROUND HEIGHT | 17.60 | 21.20 | 22.15 | 22.90 | 22.90 | 25.00 | 28.85 | 34.75 | 39.40 | 38.55 | 38.55 | 35.65 | 32.25 | 28.00 | 28.45 | 30.70 | 34.90 | 32.05 | 32.20 | 32.20 | 32.00 | 28.80 | 28.80 |
| STATION | STA 12 | STA 13 | STA 14 | STA 15 | STA 16 | STA 17 | STA 18 | STA 19 | STA 20 | STA 21 | STA 22 | | | | | | | | | | | | |

ESTAMPA III

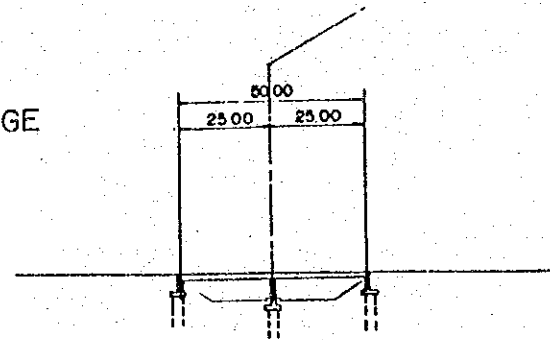
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

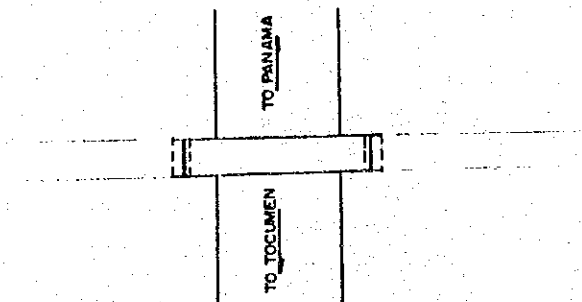
TITLE VIA DON BOSCO PLAN & PROFILE (2)
TITULO PLANO-PERFIL DE LA VIA DON BOSCO (2)

SCALE ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE 1987
DWG No. 110JA No.
PAGE No. 63
PAGINA No. 63

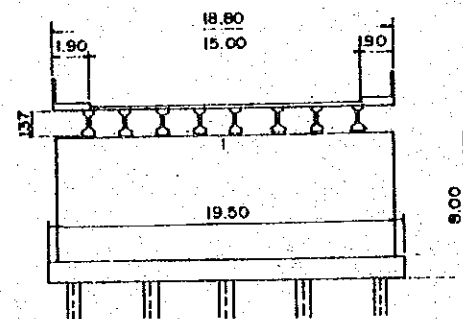
DON BOSCO
INTERCHANGE BRIDGE



ELEVATION Scale 1:1000



PLAN Scale 1:1000



SECTION Scale 1:200

DESIGN CRITERIA

| TYPE | P.C. SIMPLE COMPOSITE GIRDER |
|---------------------|--|
| TOTAL BRIDGE LENGTH | 50 ^m 00 |
| SPAN | 25 ^m 00 + 25 ^m 00 |
| WIDTH | 15 ^m 00 + 1 ^m 90 + 1 ^m 90 |
| LIVE LOAD | MS 20 - 44 (M 18) |
| IMPACT COEFFICIENT | $I = 15.24 / (L + 38)$ |
| SEISMIC INTENSITY | C = 0.06 |
| STANDARD | AASHTO |

ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

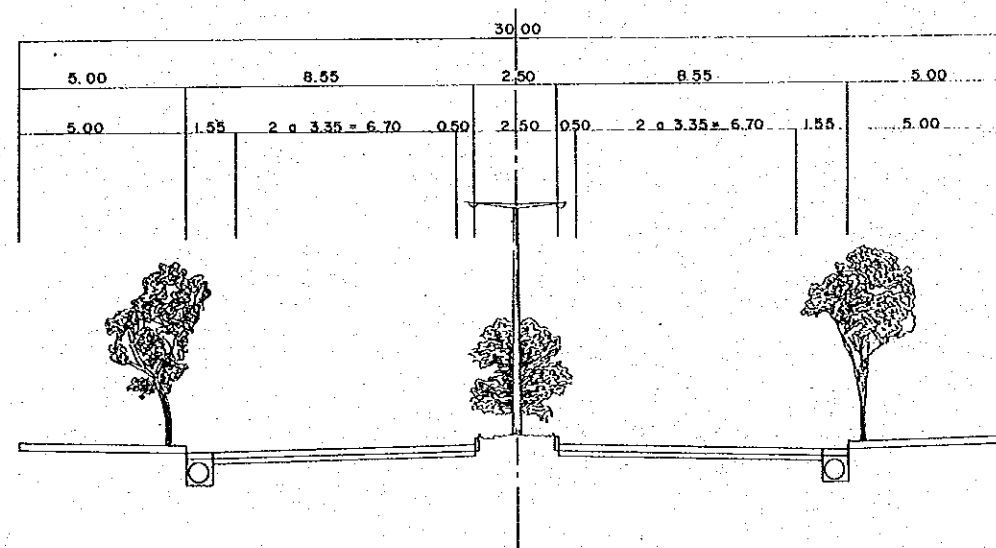
TITLE VIA DON BOSCO INTERCHANGE BRIDGE
TITULO PUENTE SOBRE VIA DON BOSCO

SCALE
ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE 1987

OWB No
IOJA No
PAGE No 64
PAGINA No

TYPICAL CROSS SECTION OF VIA E.T. LEFEVRE

STA (5 + 00)
SCALE 1:100



ESTAMPA III

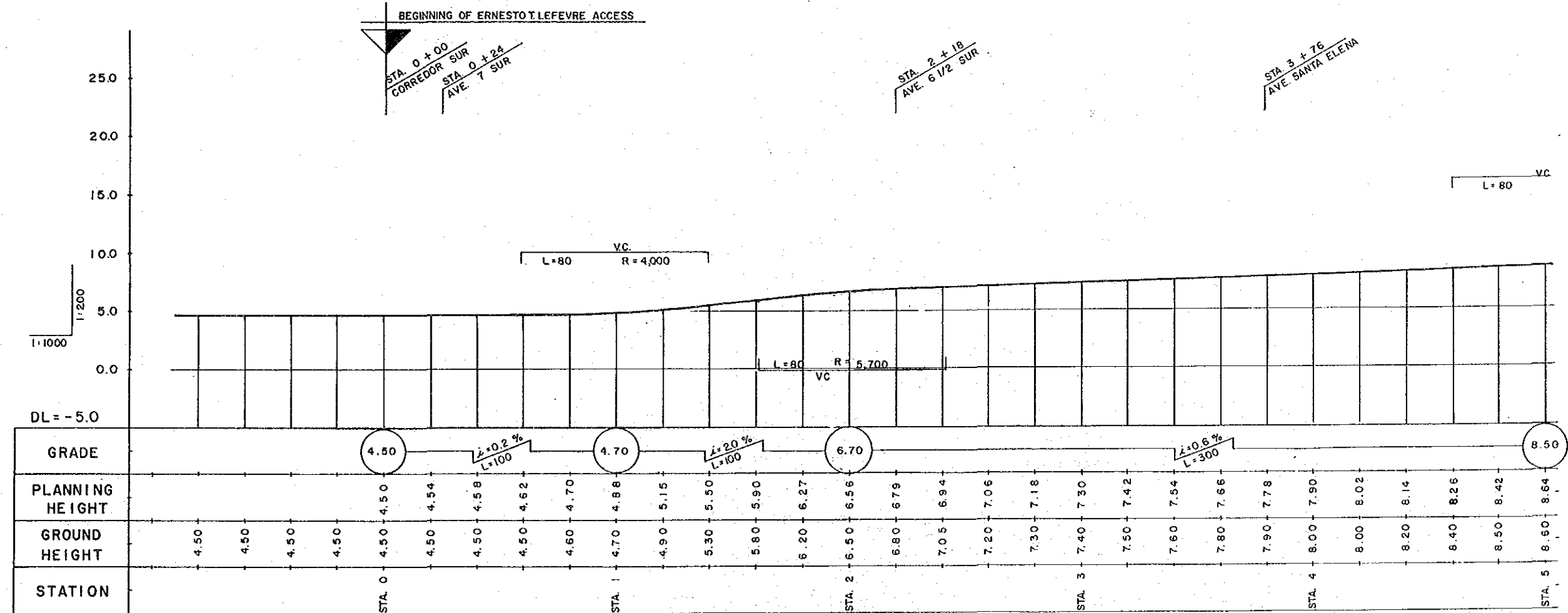
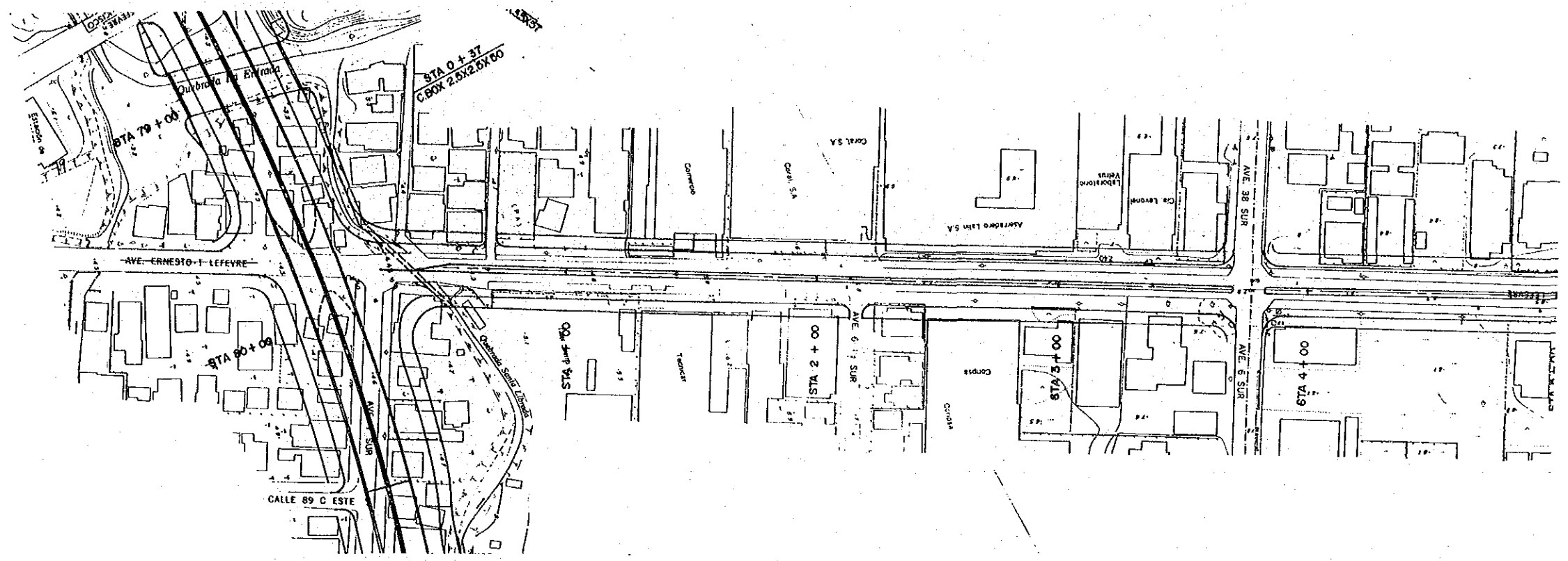
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE TYPICAL CROSS SECTION OF VIA E.T. LEFEVRE
TITULO SECCION TRANSVERSAL TIPICA DE LA VIA E.T. LEFEVRE

SCALE
ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE 1987

DWG No.
HOJA No.
PAGE No 65
PAGINA No 65



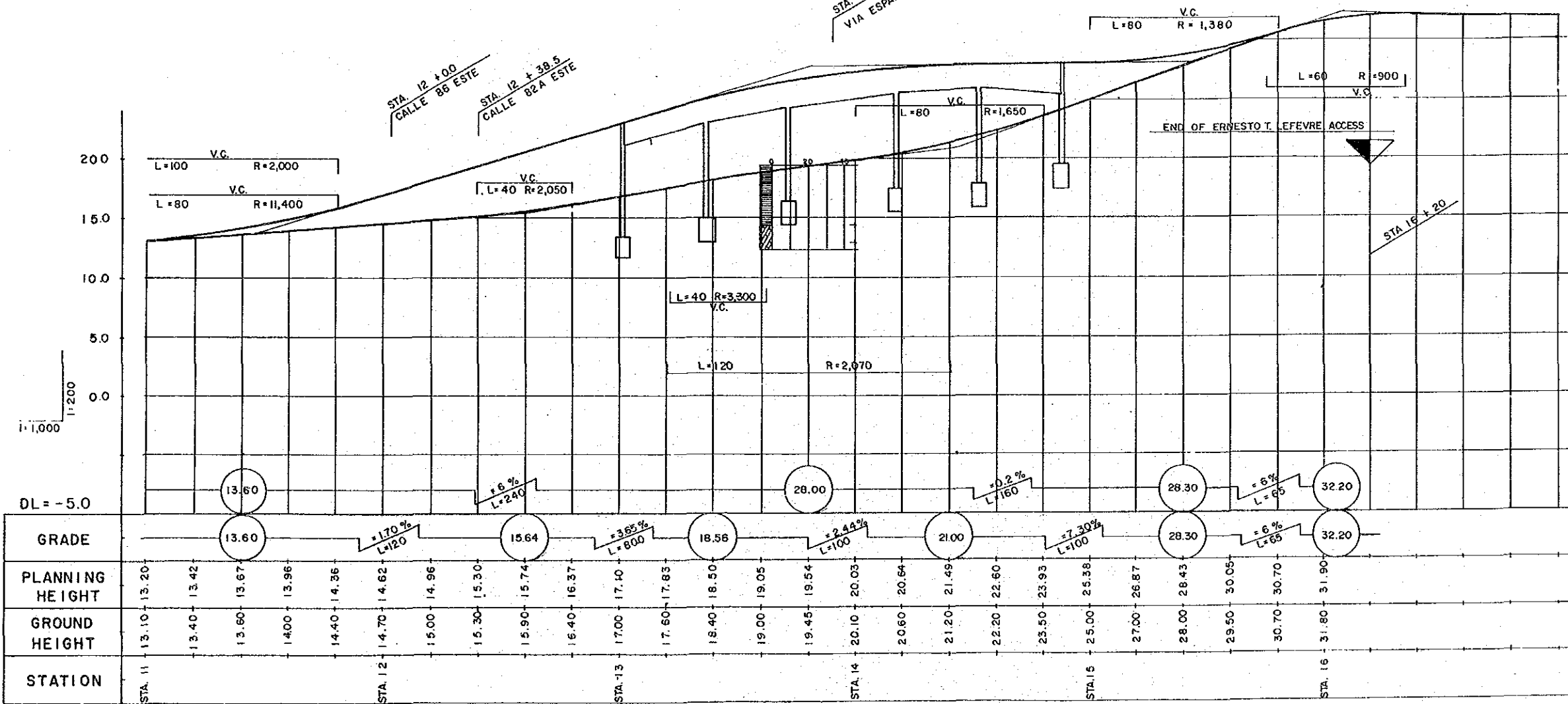
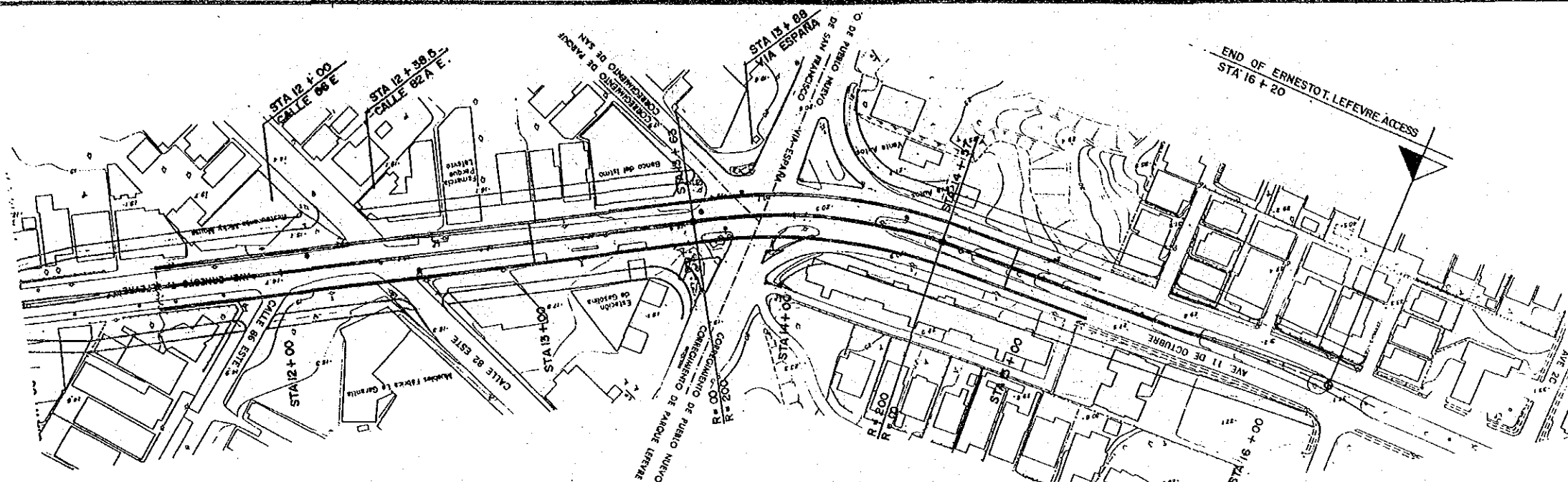
ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
 THE MINISTRY OF PUBLIC WORKS
 AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
 DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
 ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE VIA ERNESTO T. LEFEVRE PLAN & PROFILE (I)
 TITULO PLANO-PERFIL DE LA VIA ERNESTO T. LEFEVRE (I)

SCALE ESCALA
 DATE NOVEMBER 1987
 FECHA NOVIEMBRE 1987
 DWG No HOJA No
 PAGE No PAGINA No 66



ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
 THE MINISTRY OF PUBLIC WORKS
 AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
 DEL MINISTERIO DE OBRAS PUBLICAS

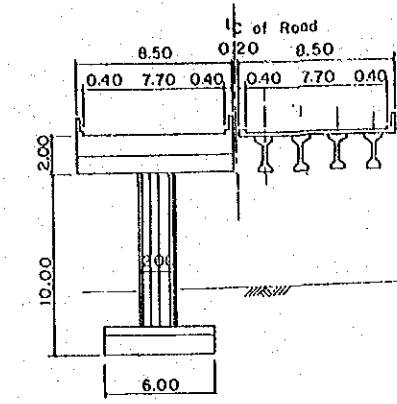
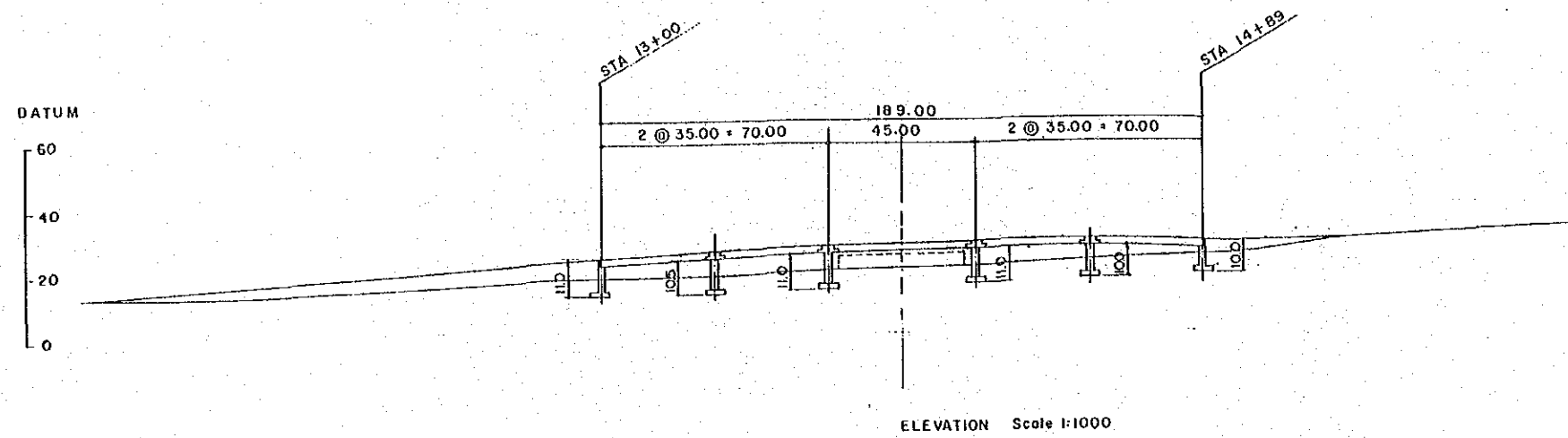
**THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
 ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA**

TITLE VIA ERNESTO T. LEFEVRE PLAN & PROFILE (3)
 TITULO PLANO-PERFIL DE LA VIA ERNESTO T. LEFEVRE (3)

SCALE ESCALA
 DATE NOVEMBER 1987
 FECHA NOVIEMBRE 1987

DWG No. HOJA No.
 PAGE No. PAGINA No. 68

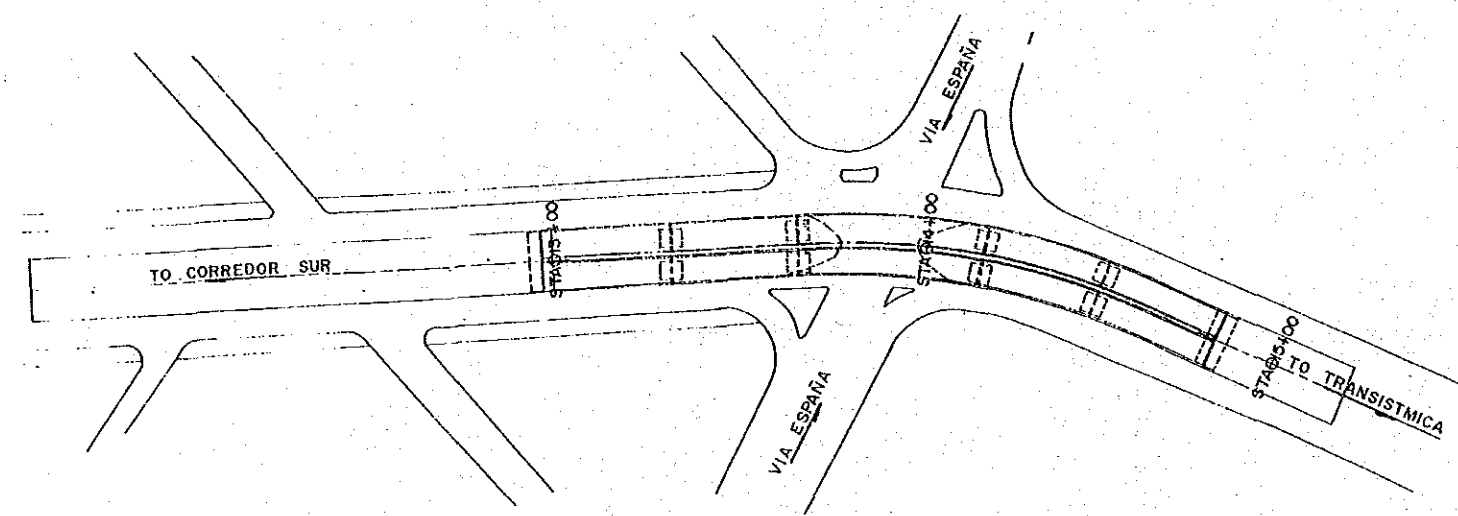
VIA ERNESTO T. LEFEBRE INTERSECTION BRIDGE



| GRADE | PLANNING HEIGHT | GROUND HEIGHT | STATION |
|-----------------------|-----------------|---------------|---------|
| $L=6.00\%$ $L=200$ | 17.20 | 14.7 | 12+00 |
| | 23.20 | 17.0 | 13+00 |
| 25.60 | 21.25 | | |
| $L=3.00\%$ | 27.40 | 20.1 | 14+00 |
| 28.60 | 27.85 | | |
| $L=1.60\%$ | 27.79 | 24.2 | 15+00 |
| 27.00 | 27.0 | | |
| $L=6.30\%$ | | 3.70 | 16+00 |

DESIGN CRITERIA

| TYPE | PC SIMPLE COMPOSITE GIRDER |
|---------------------|--|
| TOTAL BRIDGE LENGTH | 189 ^m 00 |
| SPAN | 2 @ 35 ^m 00 + 45 ^m 00 + 2 @ 35 ^m 00 |
| WIDTH | 7 ^m 70 |
| LIVE LOAD | MS 20 - 44 (M 18) |
| IMPACT COEFFICIENT | $I = 15.24 / (L + 38)$ |
| SEISMIC INTENSITY | C = 0.06 |
| STANDARD | AASHTO |



ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

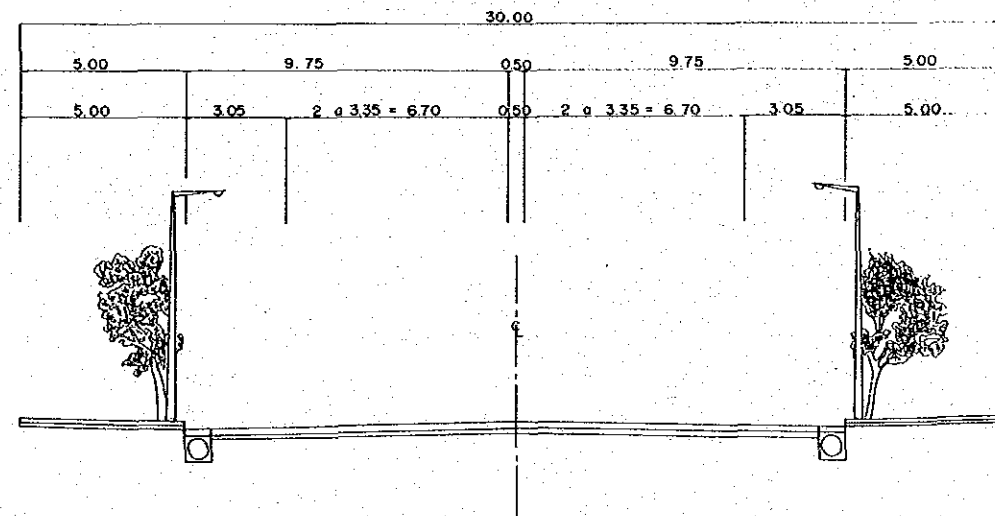
THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE VIA ESPAÑA - VIA ERNESTO T. LEFEBRE INTERSECTION BRIDGE
TITULO PASO ELEVADO DE LA INTERSECCION VIA ESPAÑA / VIA ERNESTO T. LEFEBRE

| | |
|---------------------------------|----------------------|
| SCALE ESCALA | DWG No DISEÑO No |
| DATE FECHA | PAGE No PAGINA No |
| NOVEMBER 1987 NOVIEMBRE 1987 | 69 |

TYPICAL SECTION OF CORREDOR SUR EXTENSION

STA (10 + 00)
SCALE 1:100



ESTAMPA III

JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

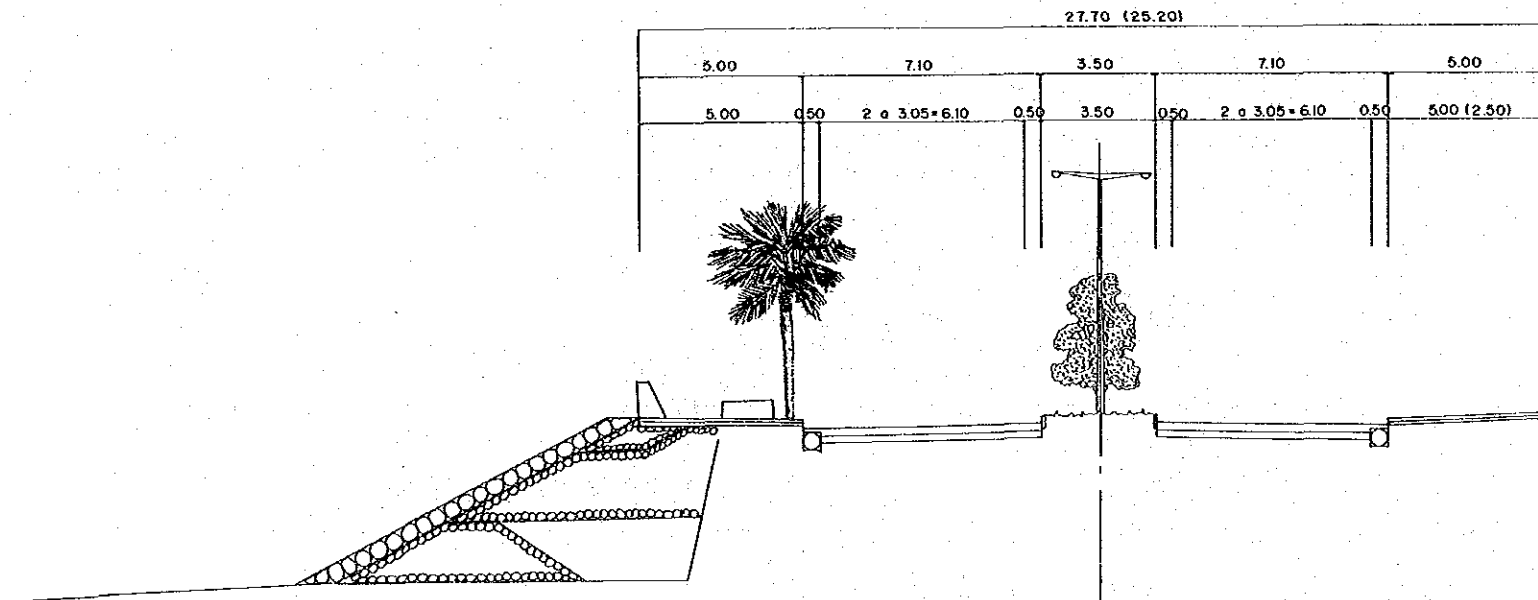
TITLE TYPICAL CROSS SECTION OF CORREDOR SUR EXTENSION
TITULO SECCION TRANSVERSAL TIPICA DE LA EXTENSION DE CORREDOR SUR

SCALE ESCALA
DATE FECHA NOVEMBER 1987 NOVIEMBRE 1987

DWG No. HOJA No.
PAGE No. PAGINA No. 70

TYPICAL CROSS SECTION
CORREDOR SUR EXTENSION (AVE LOS POETAS)

STA (20 + 00)
SCALE 1:100



ESTAMPA III

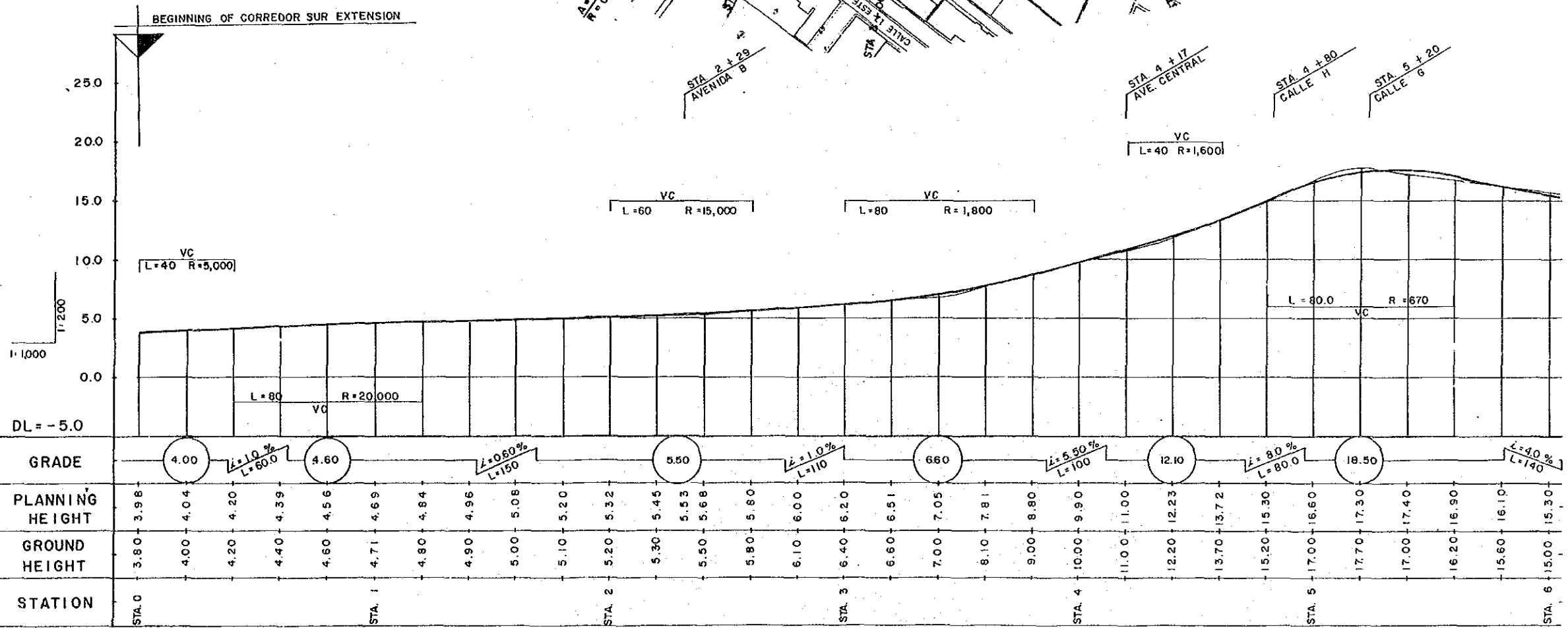
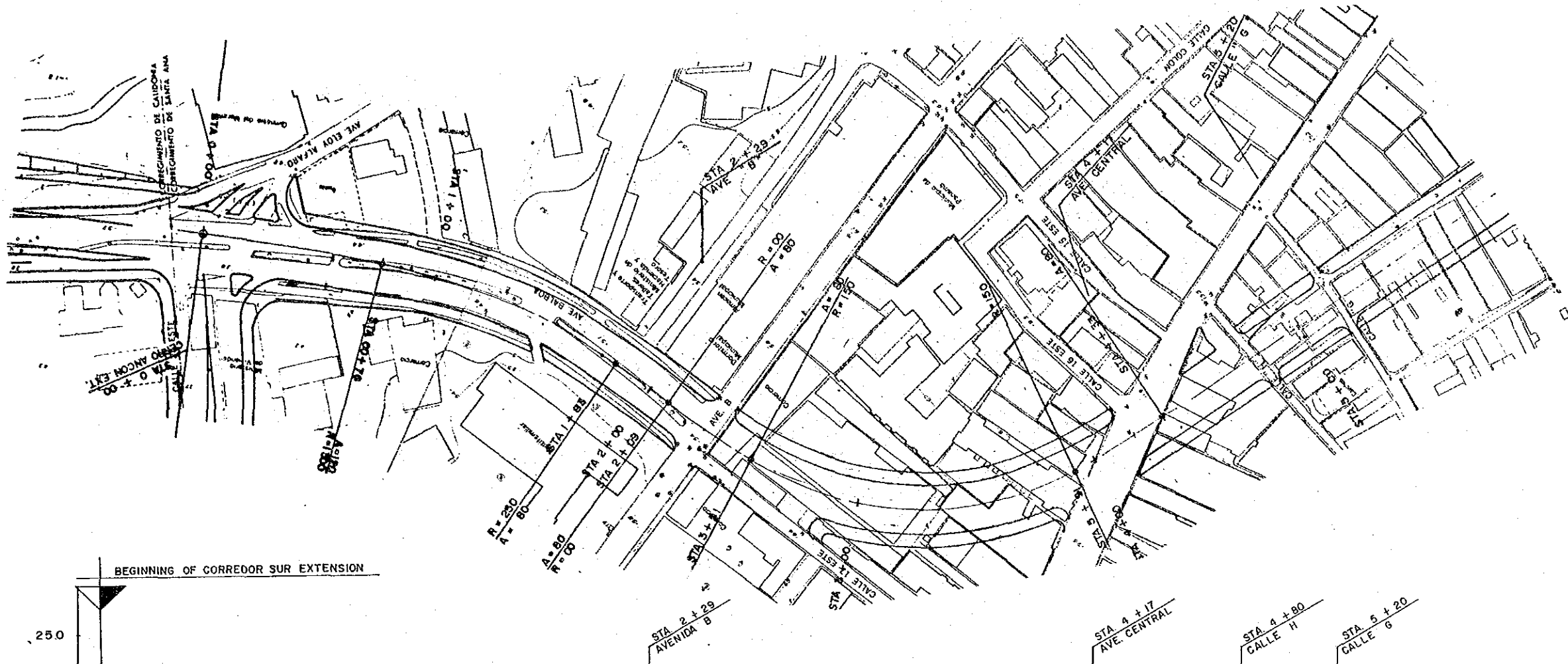
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
THE MINISTRY OF PUBLIC WORKS
AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA

TITLE TYPICAL CROSS SECTION OF CORREDOR SUR EXTENSION (AVE. DE LOS POETAS)
TITULO SECCION TRANSVERSAL TIPICA DE LA EXTENSION DE CORREDOR SUR-AVE. DE LOS POETAS

SCALE
ESCALA
DATE NOVEMBER 1987
FECHA NOVIEMBRE 1987

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HOJA No.
PAGE No 71
PAGINA No



| STATION | 3.80 | 4.00 | 4.20 | 4.40 | 4.60 | 4.71 | 4.84 | 4.96 | 5.08 | 5.20 | 5.32 | 5.45 | 5.53 | 5.68 | 5.80 | 6.10 | 6.00 | 6.20 | 6.51 | 6.60 | 7.05 | 7.81 | 8.10 | 8.80 | 9.00 | 10.00 | 9.90 | 11.00 | 11.00 | 12.23 | 13.72 | 15.20 | 15.30 | 17.00 | 16.60 | 17.30 | 17.40 | 17.00 | 17.40 | 16.90 | 16.10 | 15.30 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GRADE | 4.00 | 4.00 | 4.20 | 4.39 | 4.60 | 4.69 | 4.84 | 4.96 | 5.08 | 5.20 | 5.32 | 5.45 | 5.53 | 5.68 | 5.80 | 6.10 | 6.00 | 6.20 | 6.51 | 6.60 | 7.05 | 7.81 | 8.10 | 8.80 | 9.00 | 10.00 | 9.90 | 11.00 | 11.00 | 12.23 | 13.72 | 15.20 | 15.30 | 17.00 | 16.60 | 17.30 | 17.40 | 17.00 | 17.40 | 16.90 | 16.10 | 15.30 |
| PLANNING HEIGHT | 3.98 | 4.04 | 4.20 | 4.39 | 4.56 | 4.69 | 4.84 | 4.96 | 5.08 | 5.20 | 5.32 | 5.45 | 5.53 | 5.68 | 5.80 | 6.10 | 6.00 | 6.20 | 6.51 | 6.60 | 7.05 | 7.81 | 8.10 | 8.80 | 9.00 | 10.00 | 9.90 | 11.00 | 11.00 | 12.23 | 13.72 | 15.20 | 15.30 | 17.00 | 16.60 | 17.30 | 17.40 | 17.00 | 17.40 | 16.90 | 16.10 | 15.30 |
| GROUND HEIGHT | 3.80 | 4.00 | 4.20 | 4.40 | 4.60 | 4.71 | 4.84 | 4.96 | 5.08 | 5.20 | 5.32 | 5.45 | 5.53 | 5.68 | 5.80 | 6.10 | 6.00 | 6.20 | 6.51 | 6.60 | 7.05 | 7.81 | 8.10 | 8.80 | 9.00 | 10.00 | 9.90 | 11.00 | 11.00 | 12.23 | 13.72 | 15.20 | 15.30 | 17.00 | 16.60 | 17.30 | 17.40 | 17.00 | 17.40 | 16.90 | 16.10 | 15.30 |

ESTAMPA III

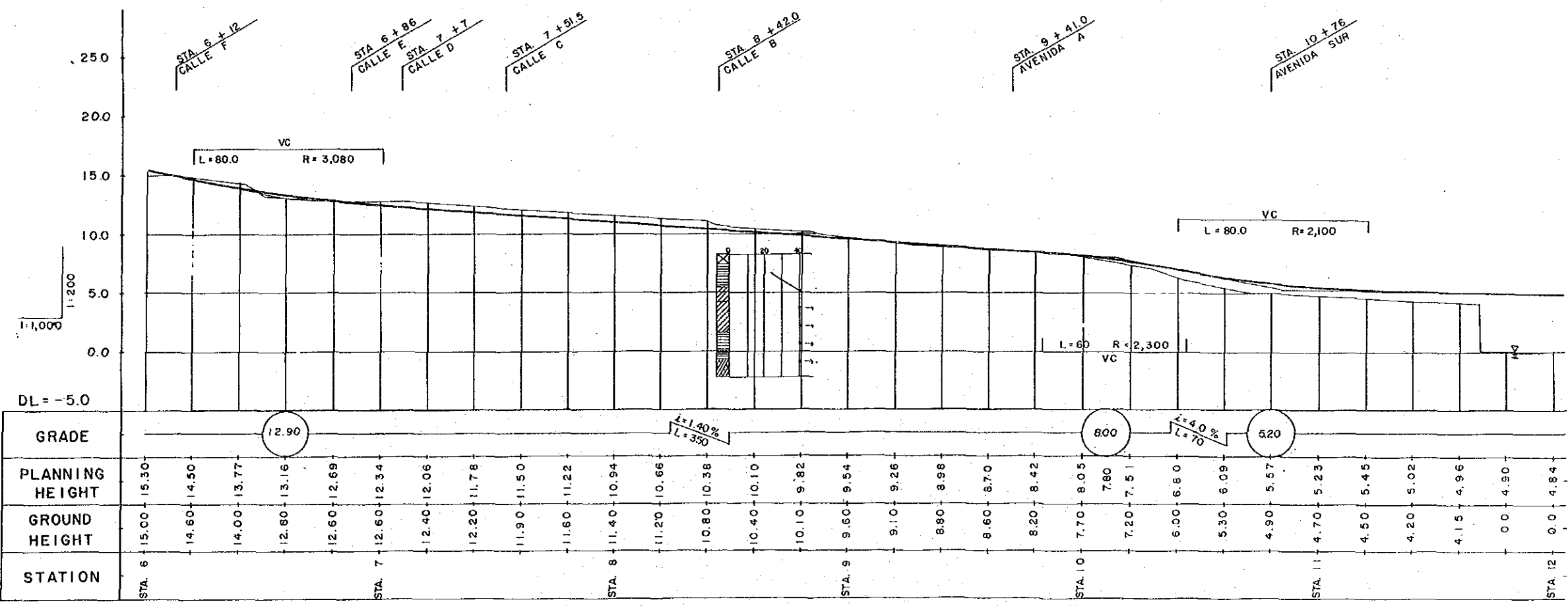
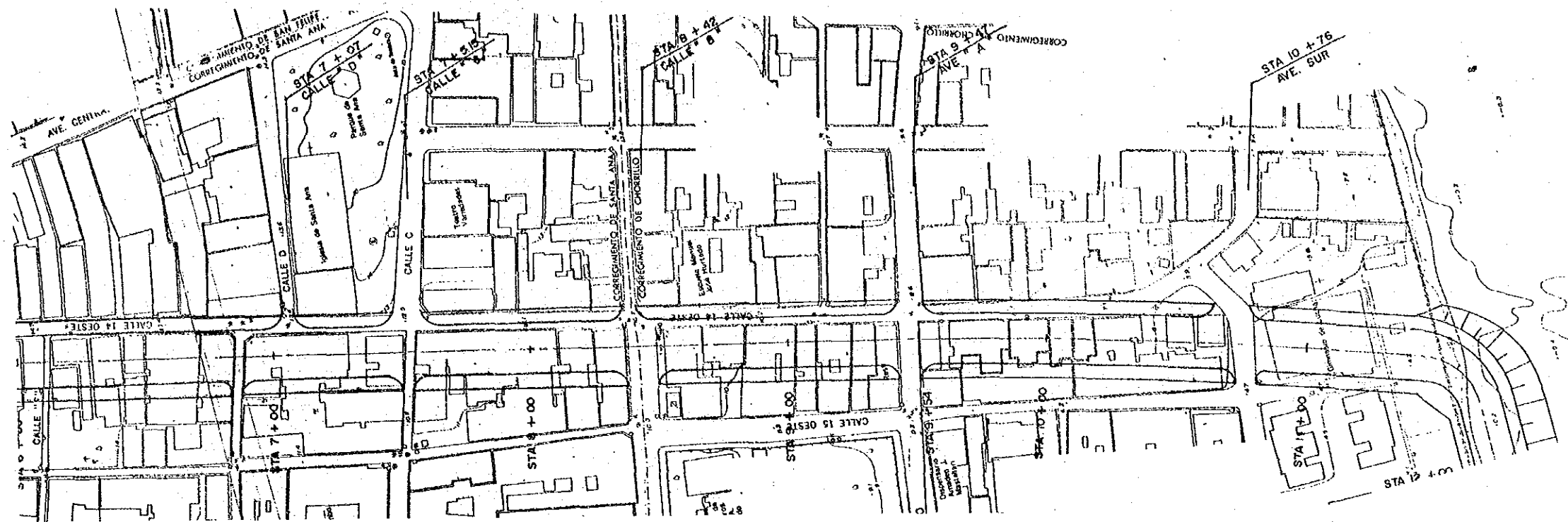
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
 THE MINISTRY OF PUBLIC WORKS
 AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
 DEL MINISTERIO DE OBRAS PUBLICAS

**THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
 ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA**

TITLE CORREDOR SUR EXTENSION PLAN & PROFILE (I)
 TITULO PLANO-PERFIL DE LA EXTENSION DE CORREDOR SUR (I)

SCALE ESCALA
 DATE FECHA NOVEMBER 1987
 NOVEMBRE 1987

DWG No. HOJA No.
 PAGE No. PAGINA No. 72



ESTAMPA III

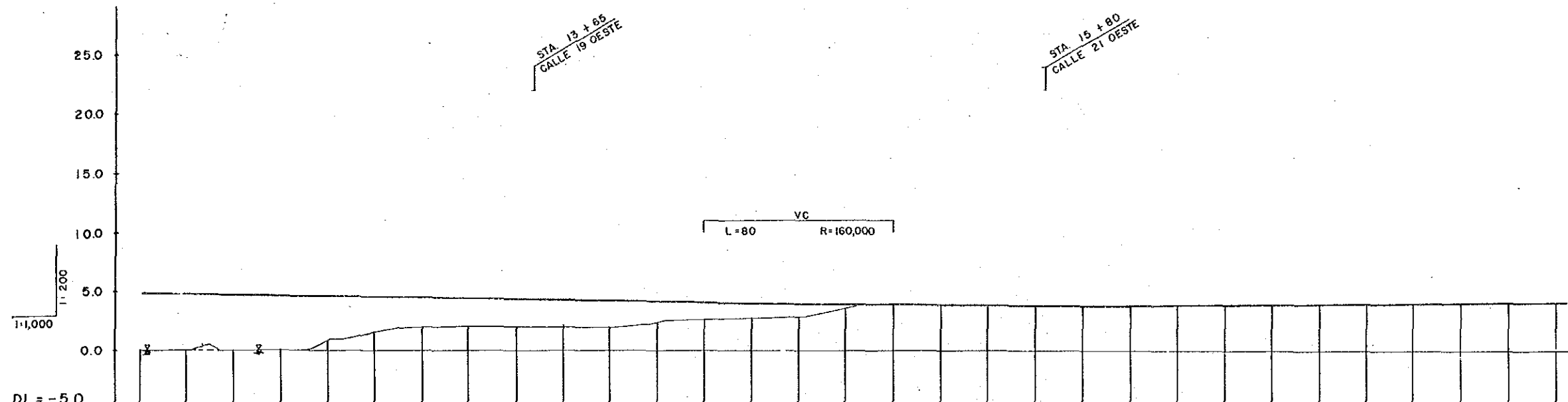
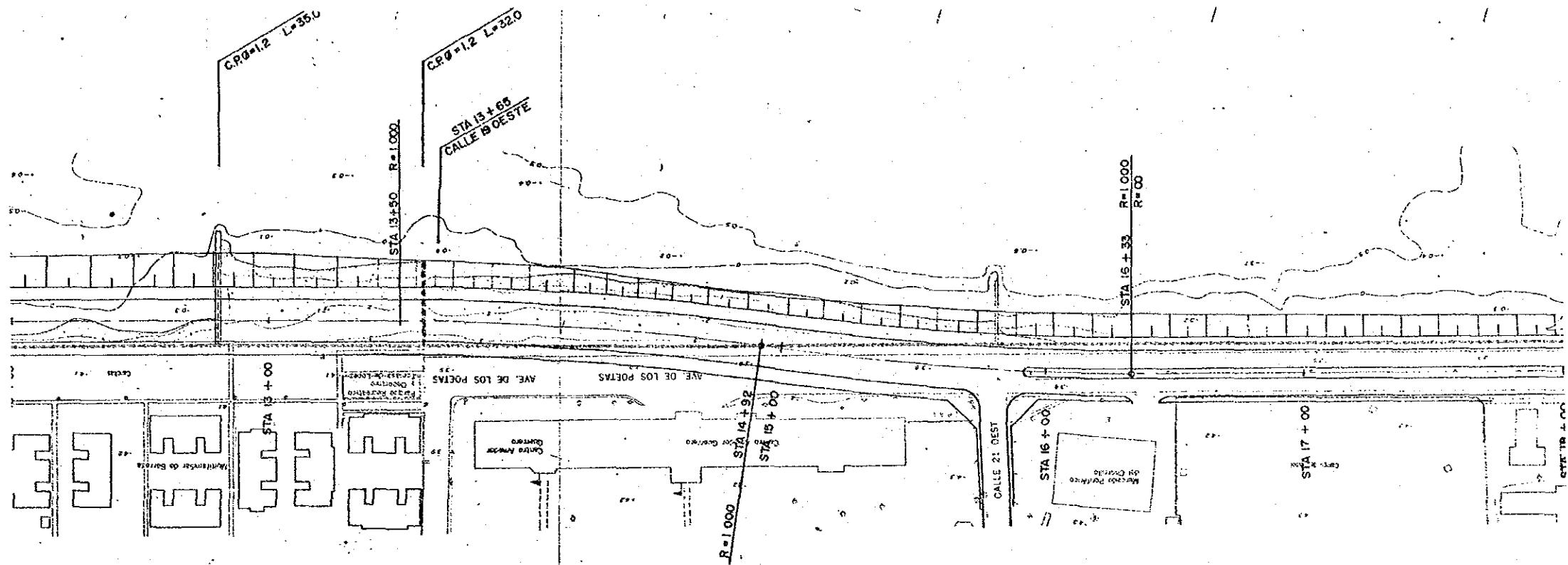
JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
 THE MINISTRY OF PUBLIC WORKS
 AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON CON LA COLABORACION
 DEL MINISTERIO DE OBRAS PUBLICAS

**THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
 ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA**

TITLE CORREDOR SUR EXTENSION PLAN & PROFILE (2)
 TITULO PLANO-PERFIL DE LA EXTENSION DE CORREDOR SUR (2)

SCALE ESCALA
 DATE FECHA NOVEMBER 1987
 NOVEMBRE 1987

DWG No. HOJA No.
 PAGE No. PAGINA No. 73



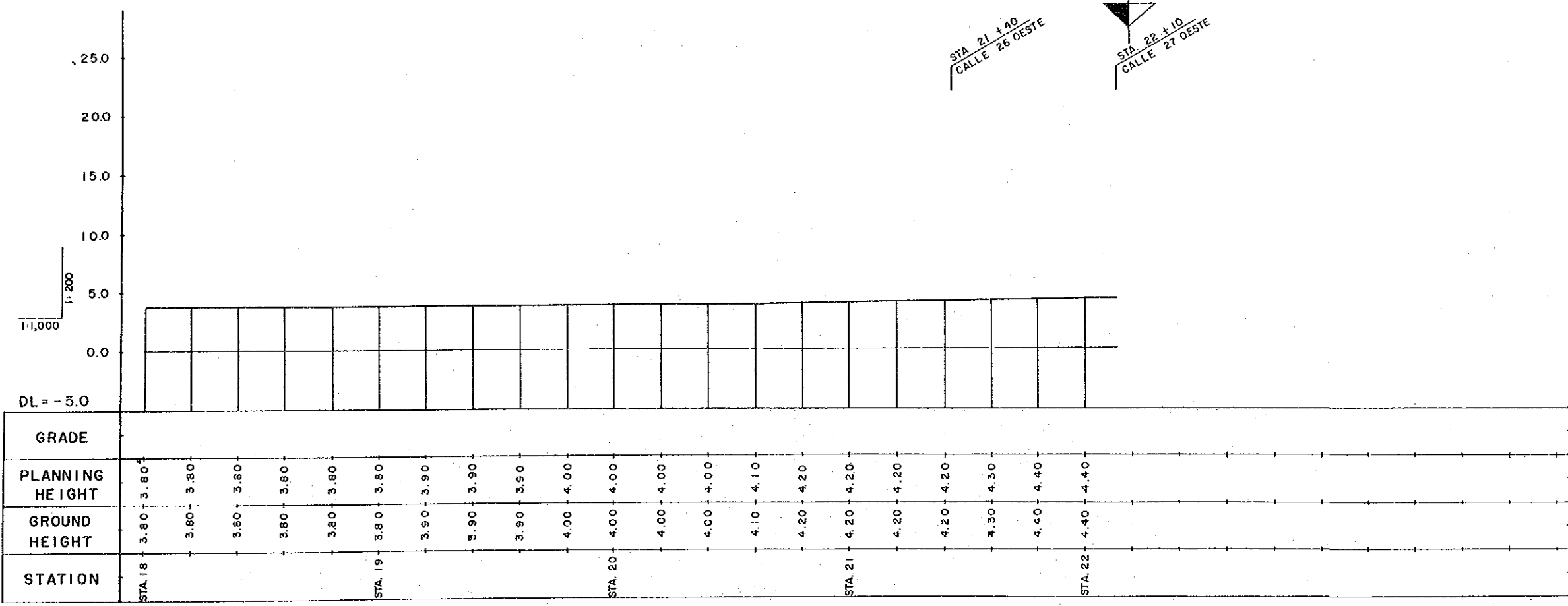
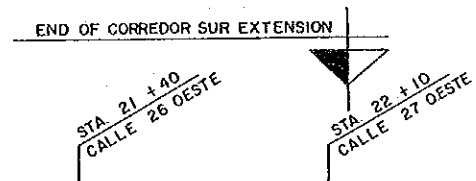
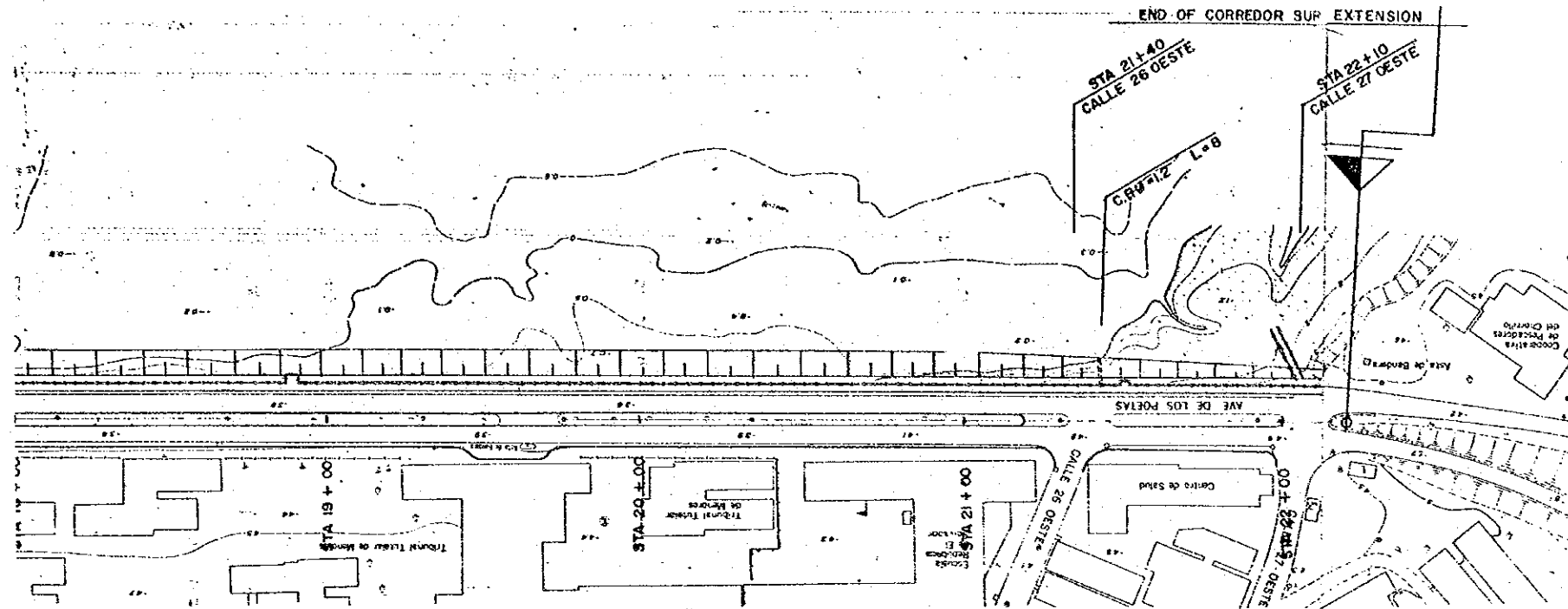
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|------|------|------|------|--------|------|------|------|------|--------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|--------|
| GRADE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLANNING HEIGHT | 4.84 | 4.78 | 4.72 | 4.66 | 4.60 | 4.54 | 4.48 | 4.42 | 4.36 | 4.30 | 4.24 | 4.18 | 4.12 | 4.06 | 4.01 | 3.95 | 3.90 | 3.85 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.80 |
| GROUND HEIGHT | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.70 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.60 | 2.70 | 2.80 | 2.90 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.90 | 3.90 | 3.90 | 3.90 | 3.80 |
| STATION | STA 12 | | | | | STA 13 | | | | | STA 14 | | | | | STA 15 | | | | | | | | | | STA 17 | | | | | STA 18 |

ESTAMPA III
 JAPAN INTERNATIONAL COOPERATION AGENCY IN COLLABORATION WITH
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 DEL MINISTERIO DE OBRAS PUBLICAS

THE FEASIBILITY STUDY ON THE CORREDOR SUR DEVELOPMENT PROJECT IN THE PANAMA METROPOLITAN AREA
ESTUDIO DE FACTIBILIDAD DEL PROYECTO CORREDOR SUR EN EL AREA METROPOLITANA DE LA CIUDAD DE PANAMA
 TITLE CORREDOR SUR EXTENSION PLAN & PROFILE (3)
 TITULO PLANO-PERFIL DE LA EXTENSION DE CORREDOR SUR (3)

| | |
|-----------------|-----------------------|
| SCALE ESCALA | DWG No. HOJA No |
| DATE FECHA | PAGE No. PAGINA No |

SCALE: NOVEMBER 1987 / FECHA: NOVIEMBRE 1987
 PAGE No: 74 / PAGINA No: 74



JICA