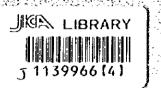
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

GUATEMALA MUNICIPALITY

THE REPUBLIC OF GUATEMALA

THE FEASIBILITY STUDY
ON

THE PROJECT OF URBAN TRANSPORTATION
IN THE METROPOLITAN AREA OF GUATEMALA

FINAL REPORT
DRAWINGS

**MARCH 1997** 

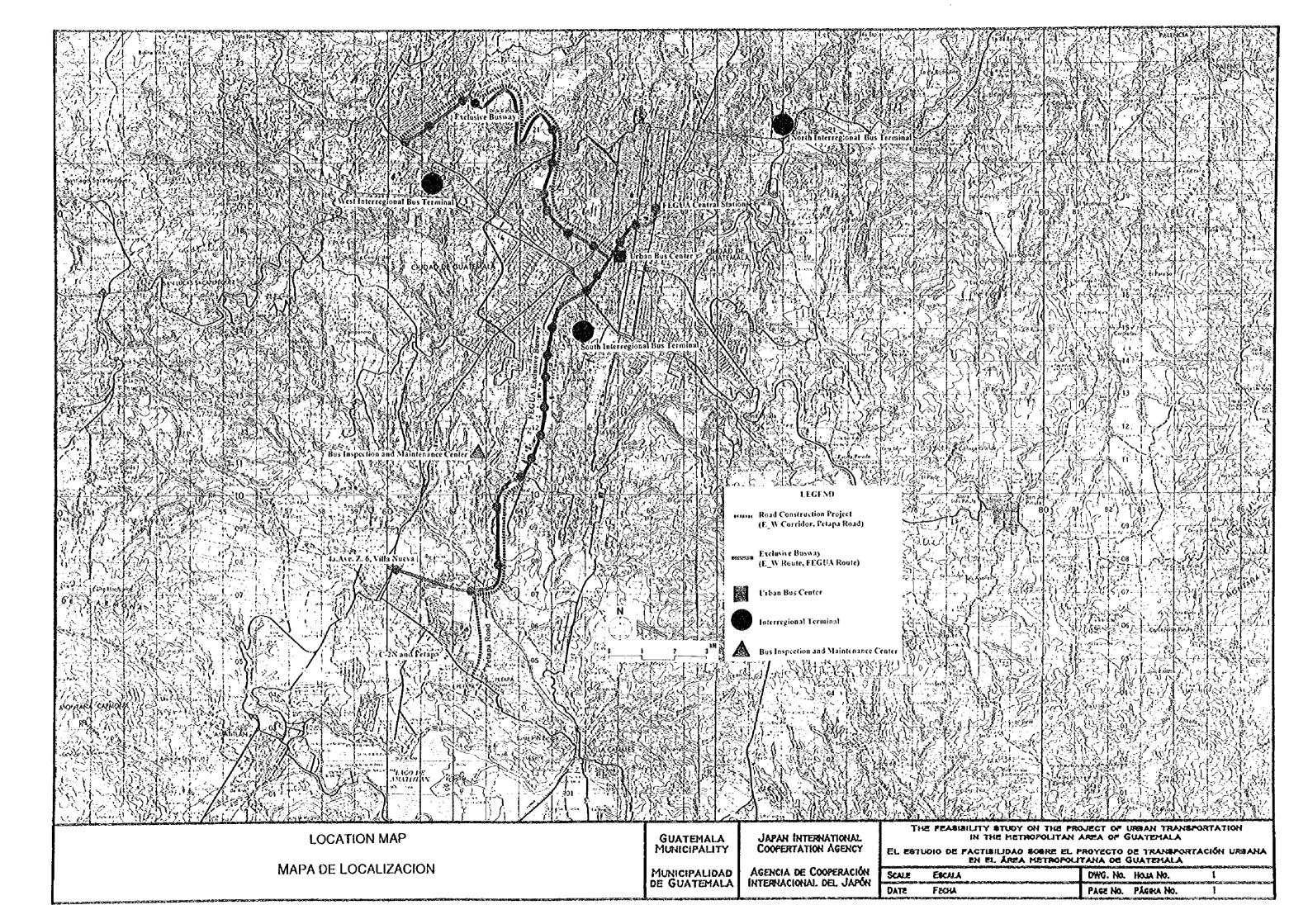
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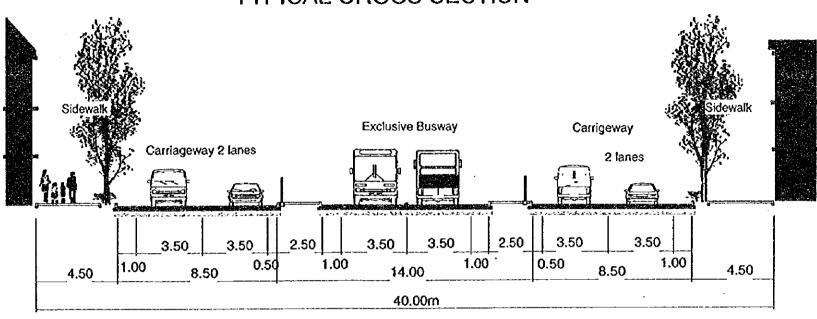
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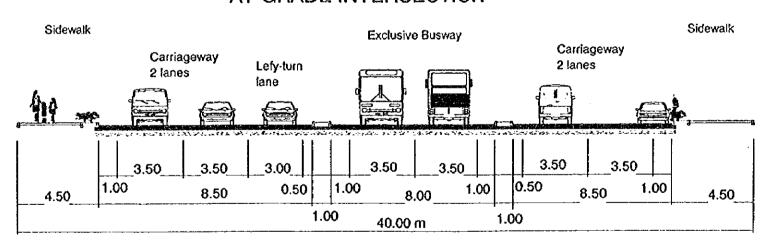
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3-9	Plan & Profile (E-W Corridor / Exclusive Busway)	50	Interior & Exterior Finish Schedule (North Inter-regional Bus
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47	Ground Floor Plan (North Inter-regional Bus Terminal)		
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### TYPICAL CROSS SECTION



#### AT-GRADE INTERSECTION



Typical Cross Section(E-W Corridor/Exclusive Busway)
SECCION TRANSVERSAL TIPICA
(VIA EXCLUSIVA DE BUS/CORREDOR ESTE-OESTE)

GUATEMALA MUNICIPALITY

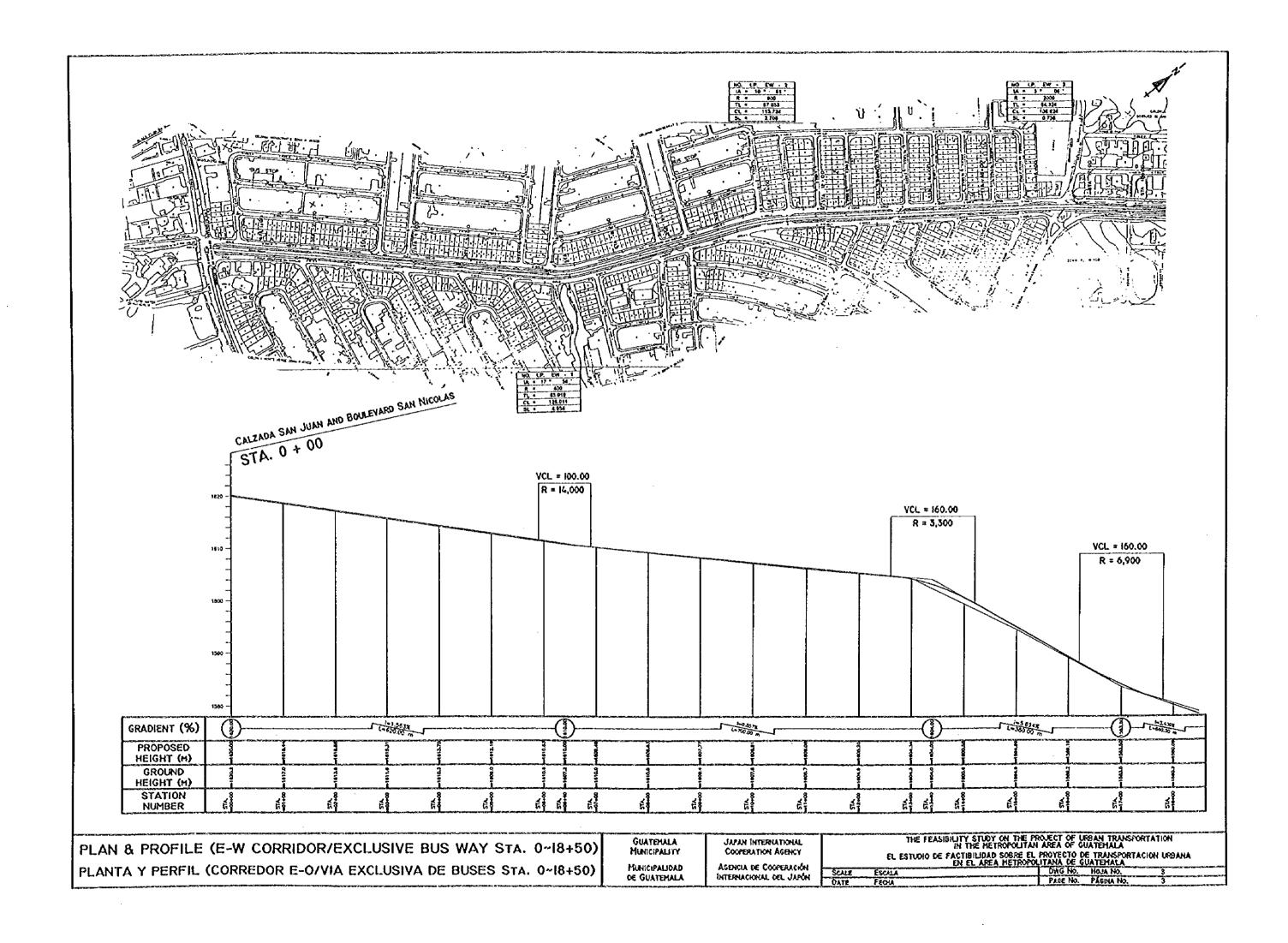
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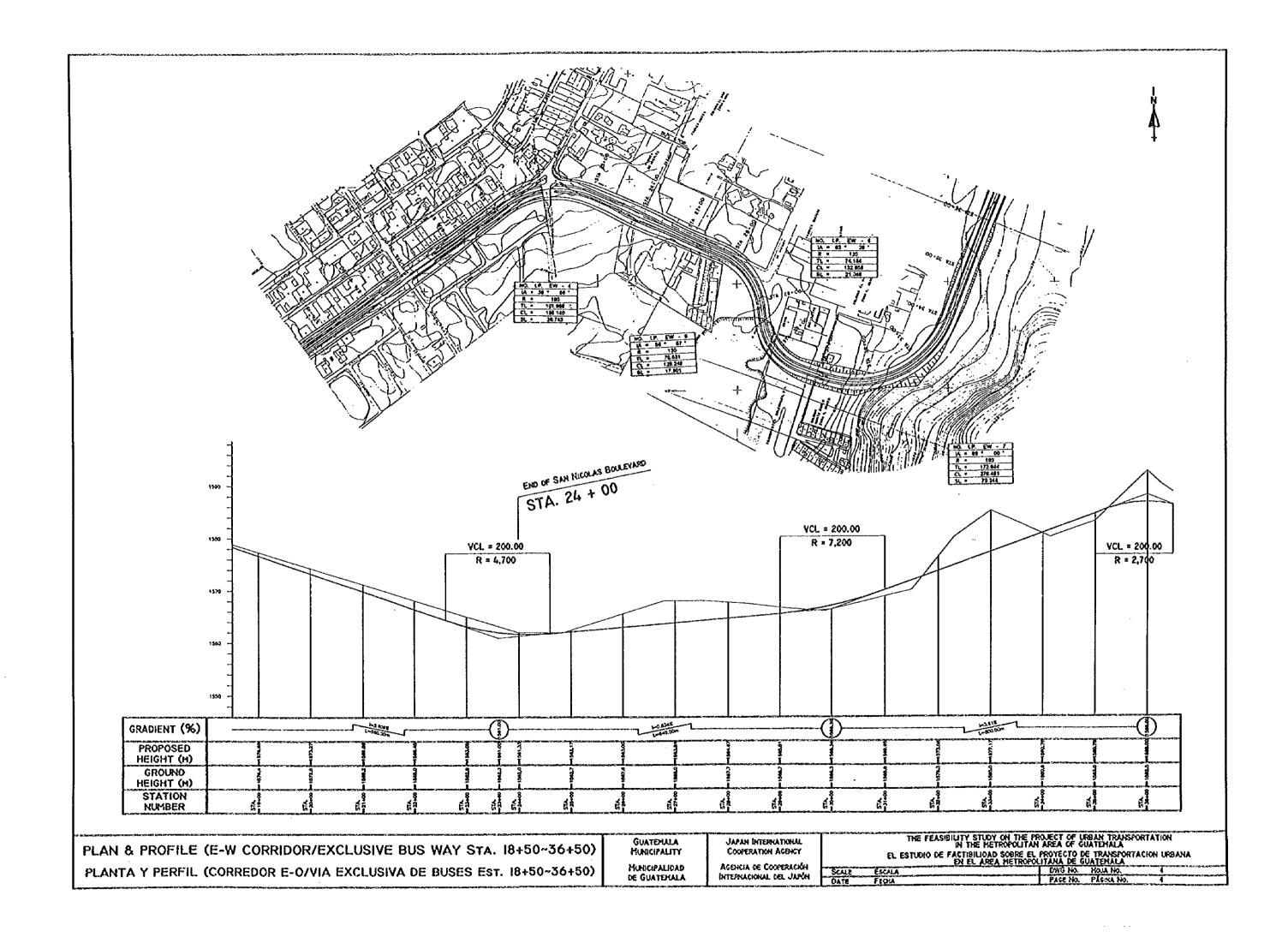
AGENCIA DE COOPERACION INTERNATIONAL DEL JAPAN

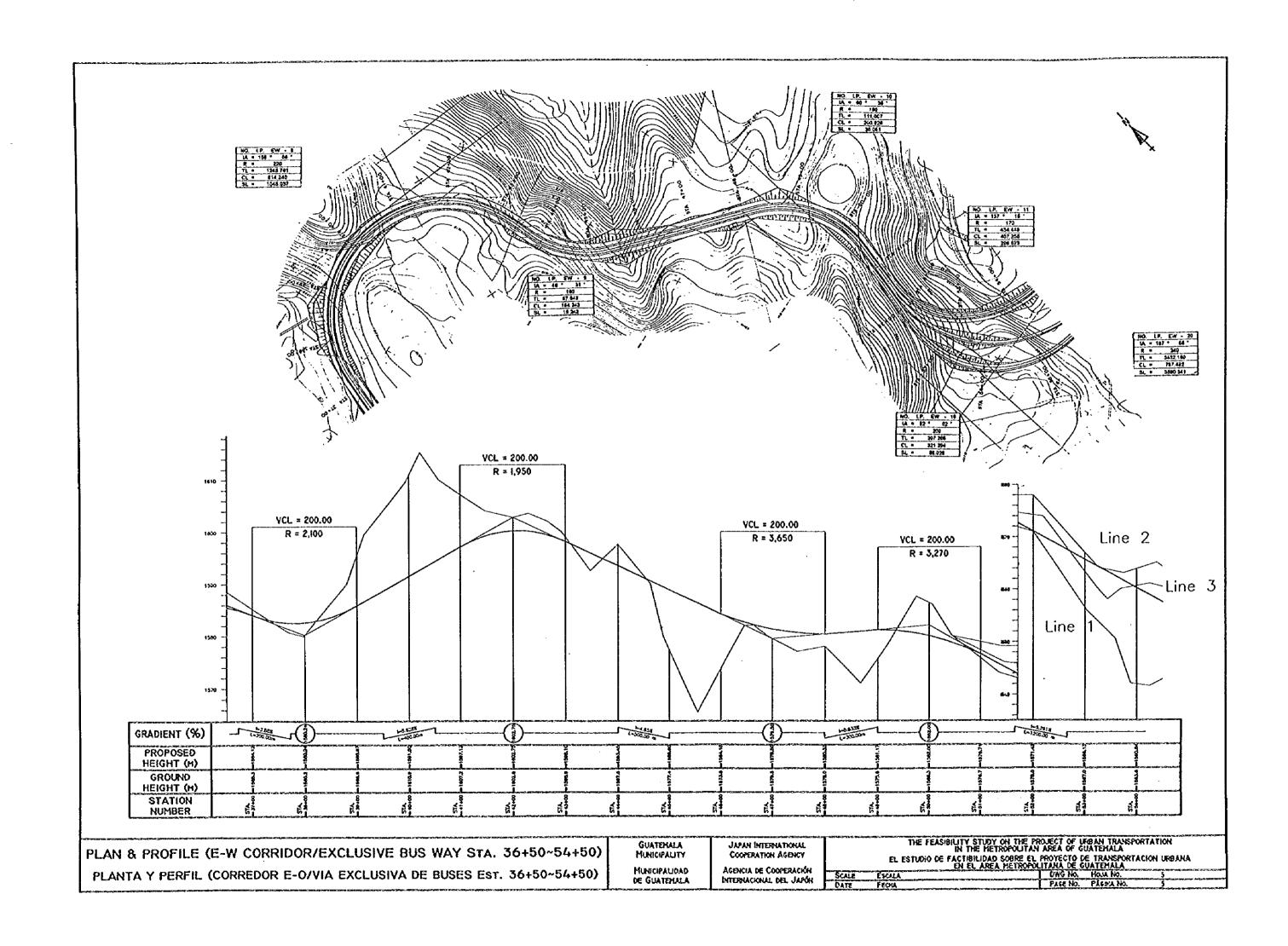
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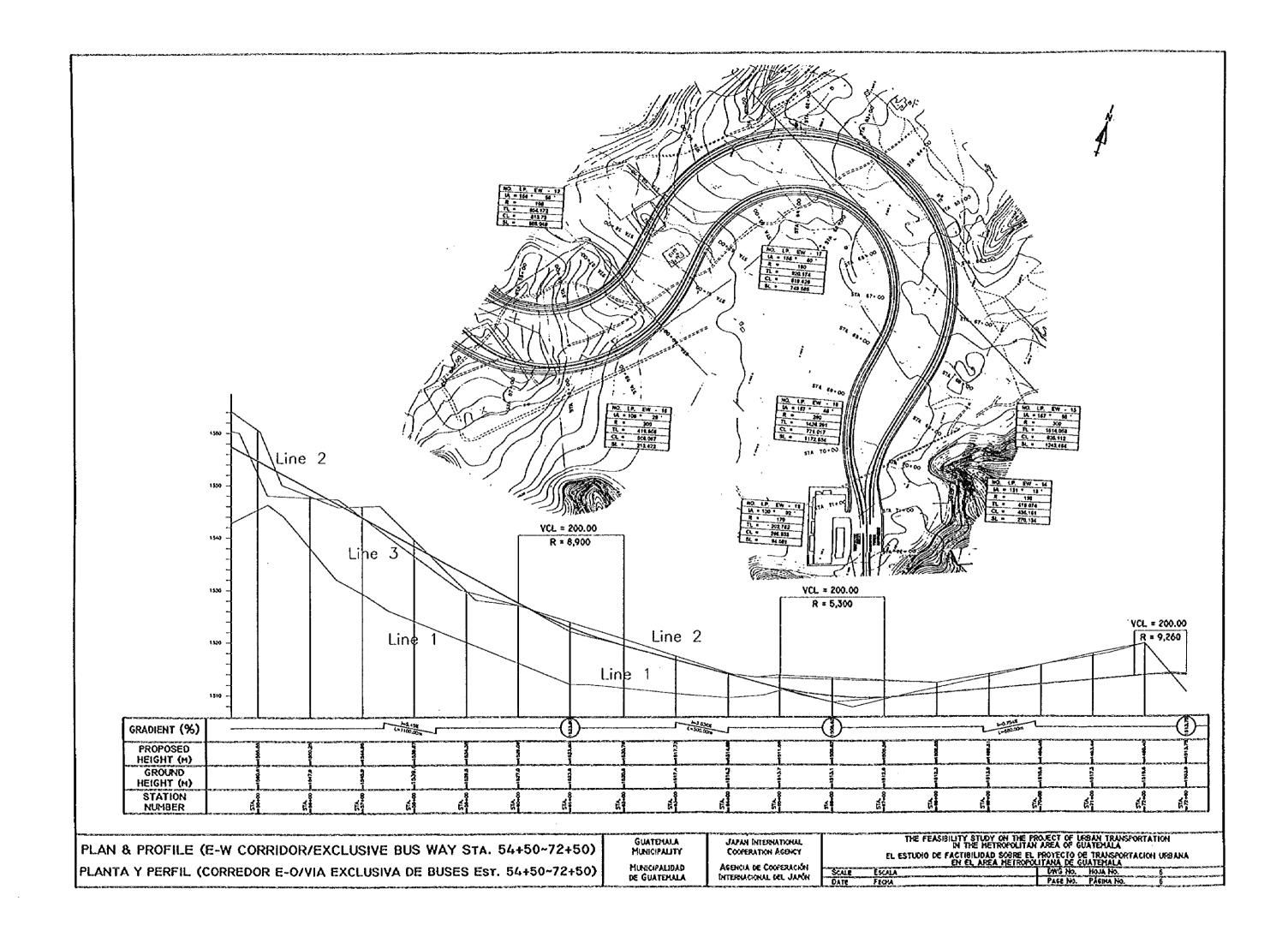
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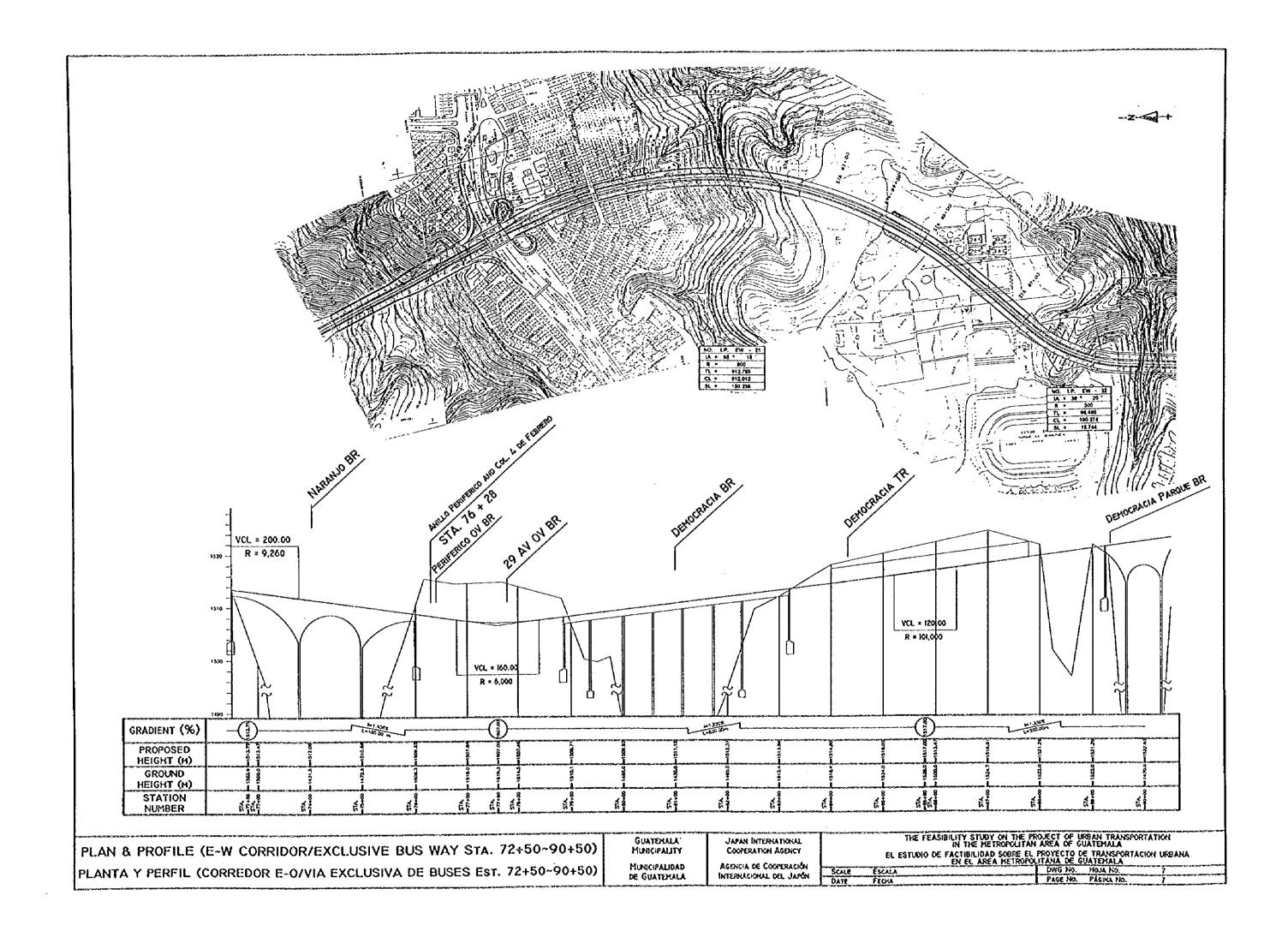
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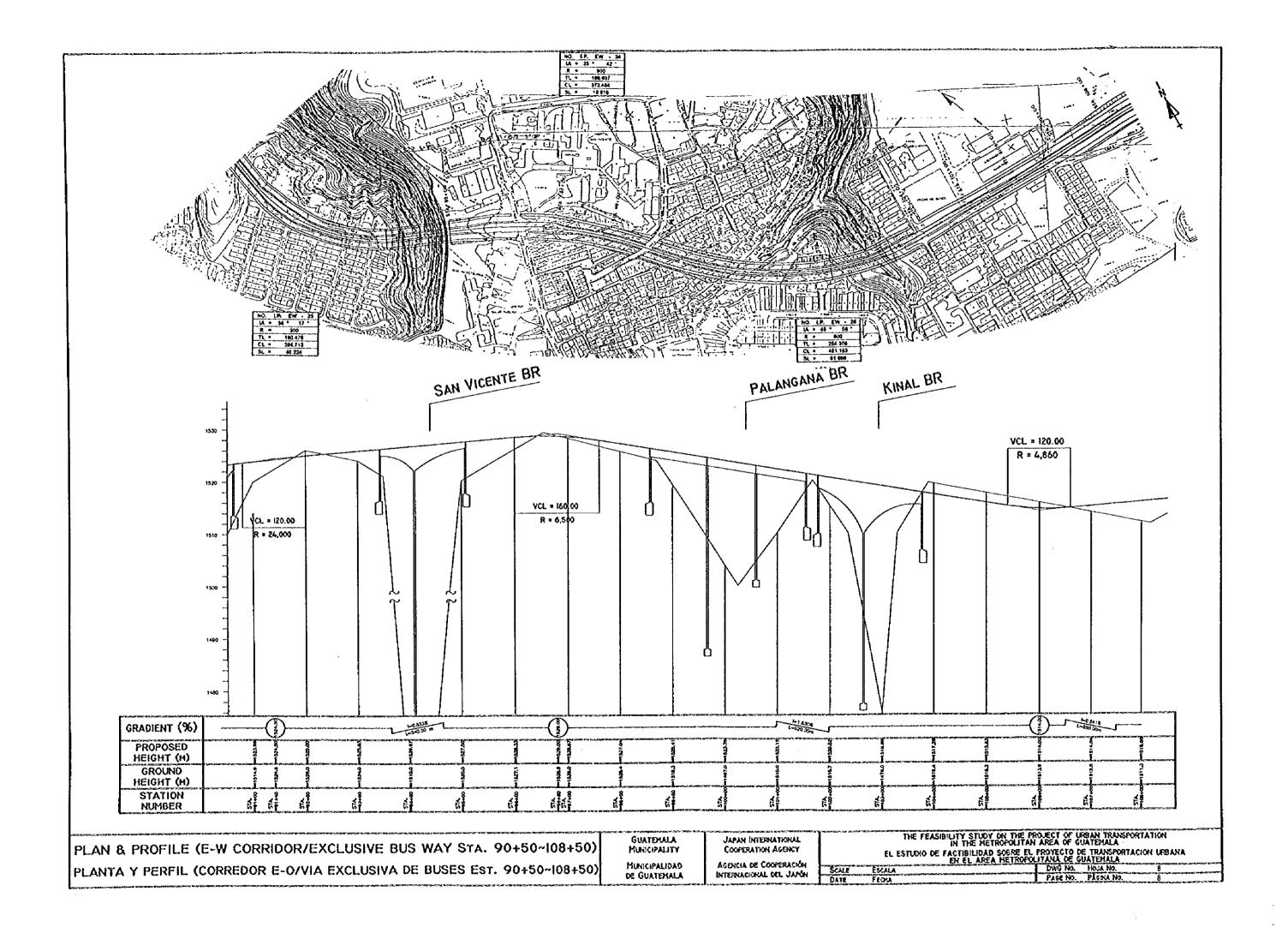


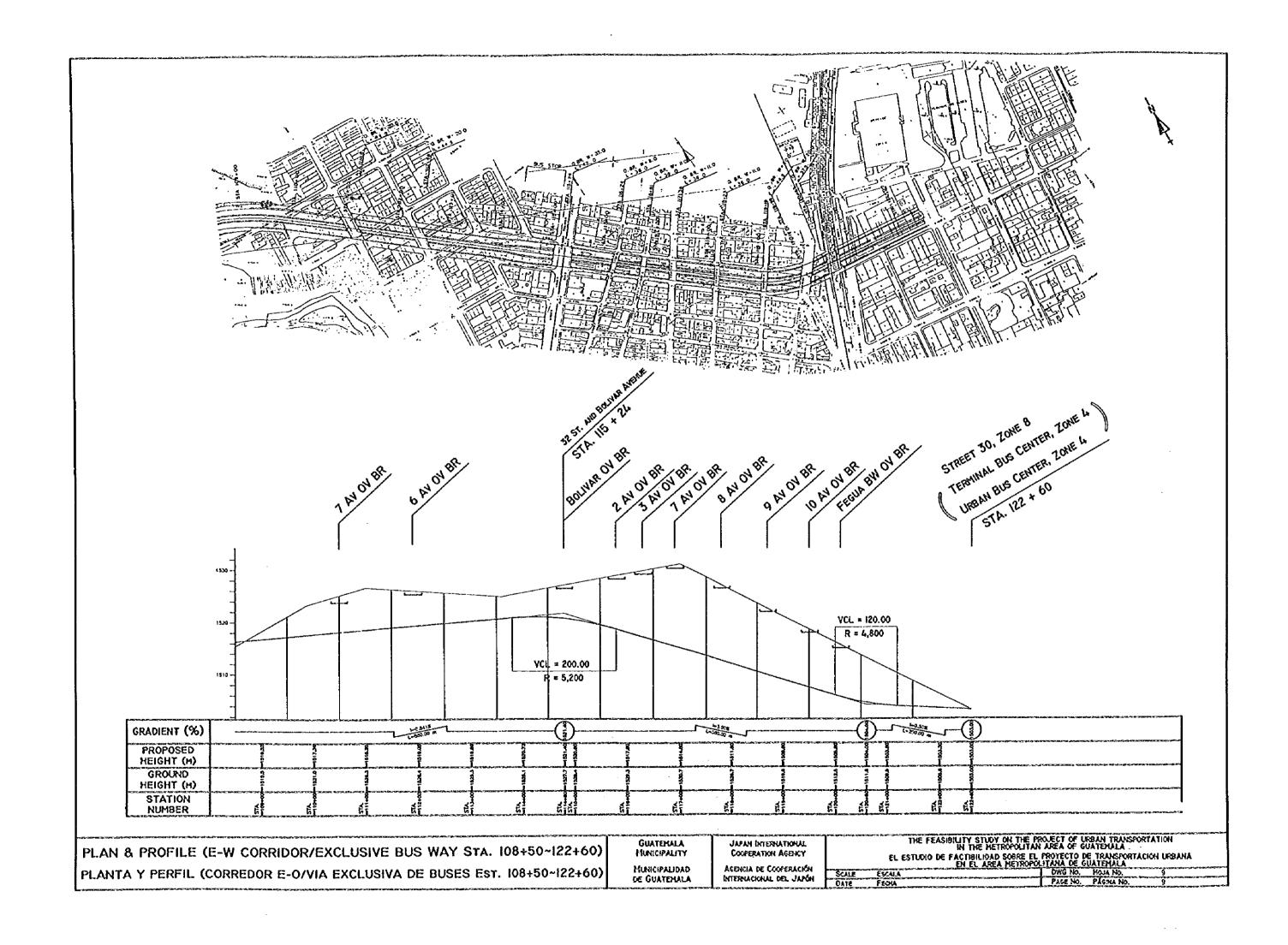


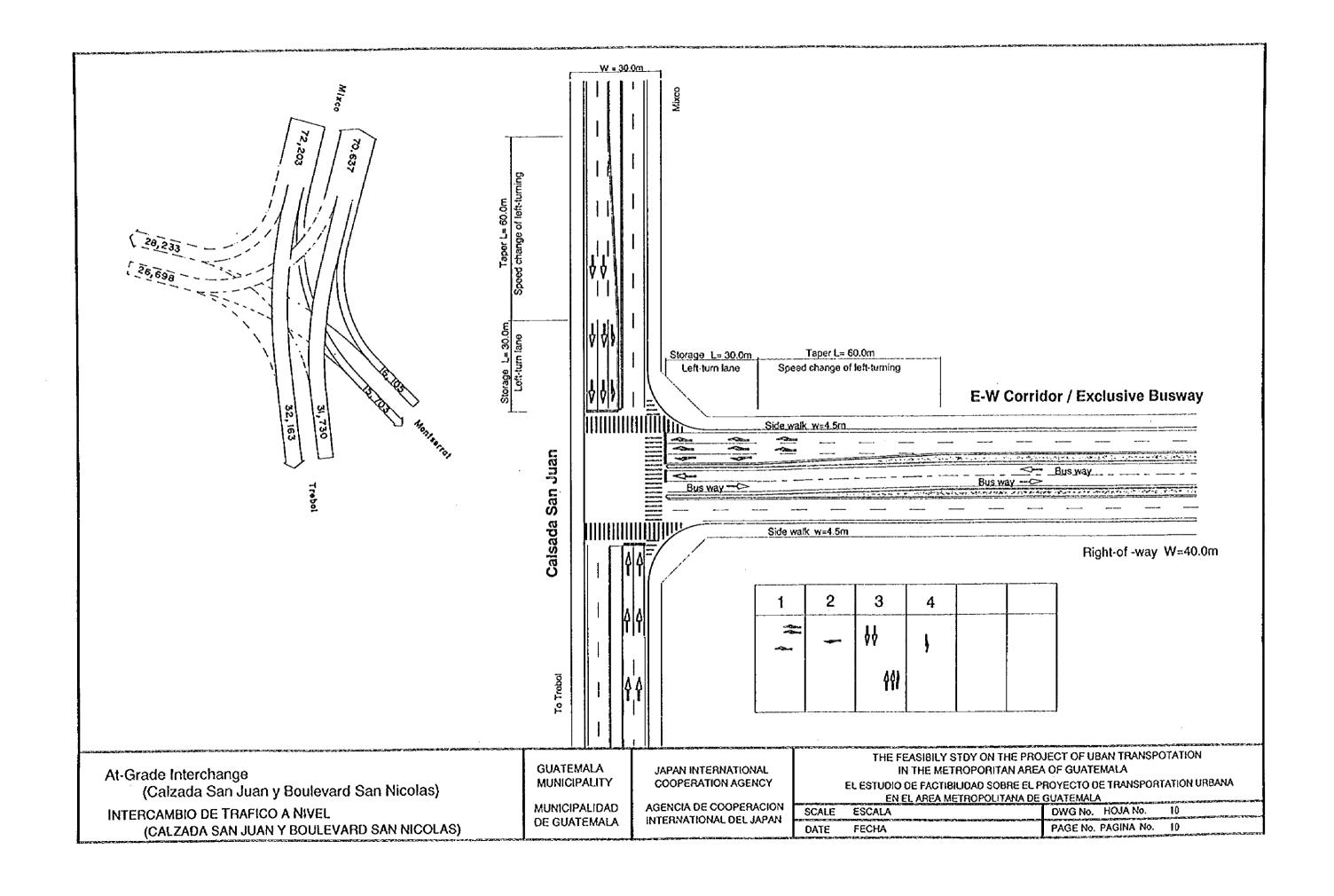


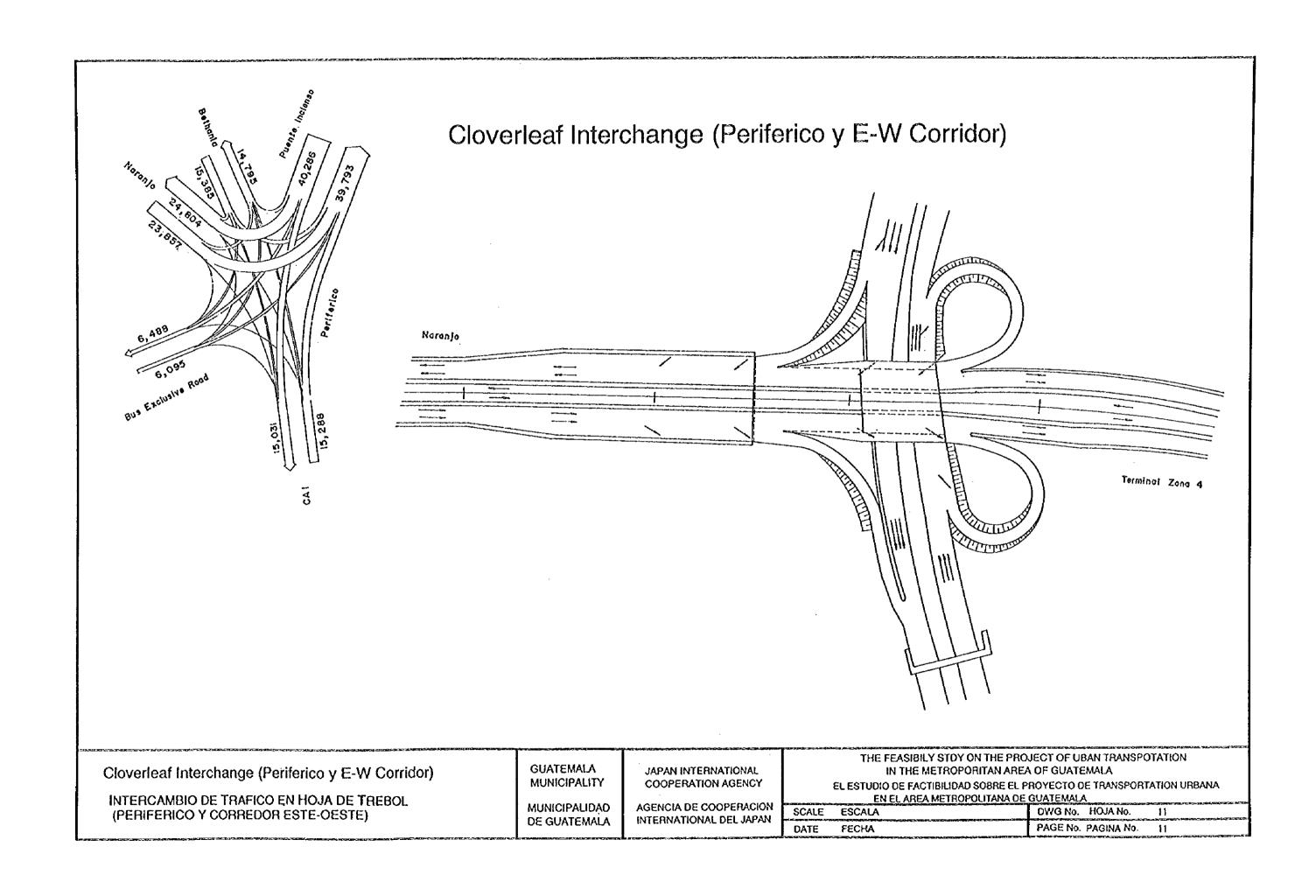




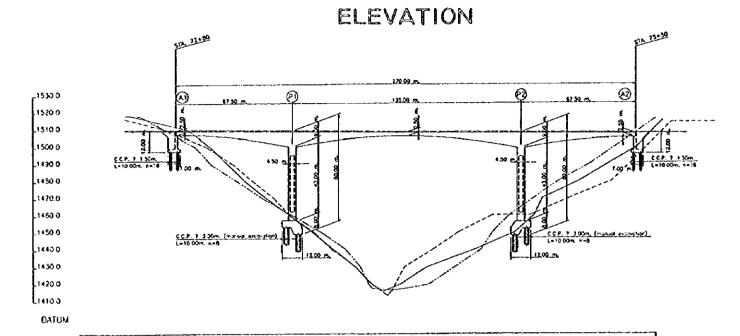




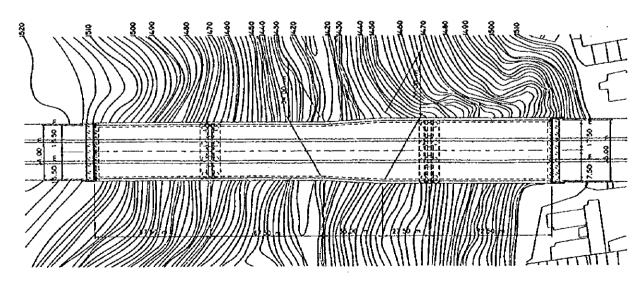




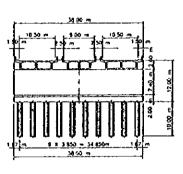
### NARANJO BRIDGE



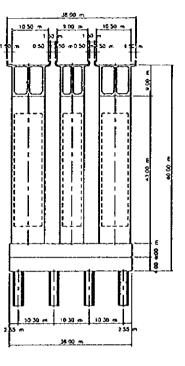
PLAN



### SECTION







### DESIGN CRITERIA

(P2)

TYPE	P.C. 3 SPAN COUNTINUOUS GIRDER
TOTAL BRIDGE LENGTH	270.00 H
SPAN	67.50 M + 135.00 M + 67.50 M
WIDHT	31.00 M ~ 35.00 M
LIVE LOAD	HS 20 - 44
IMPACT COEFICIENT	I = 15+24 L+38
ACCELERATION COEFICIENT	A = 0.30
STANDARD	AASHTO

GENERAL VIEW OF BRIDGE - NARANJO BRIDGE VISTA GENERAL DEL PUENTE - PUENTE NARANJO

GRADE

PLANNING HEIGHT

GROUND HEIGHT

STATION

GUATEMALA MUNICIPALITY MUNICIPALIDAD DE GUATEMALA JAPAN INTERNATIONAL COOPERTATION AGENCY

AGENCIA DE COOPERACIÓN INTERNACIONAL DEL JAPON

OPERACIÓN SCALE ES

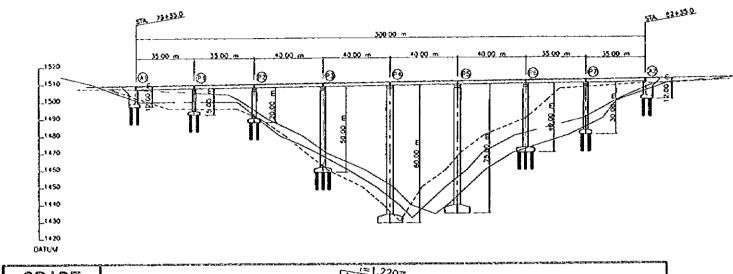
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EL ESTUDIO DE FACTIBILIDAD SOBRE EL PROYECTO DE TRANSPORTACIÓN URBANA EN EL ÁRMA METROPOLITANA DE GUATEMALA

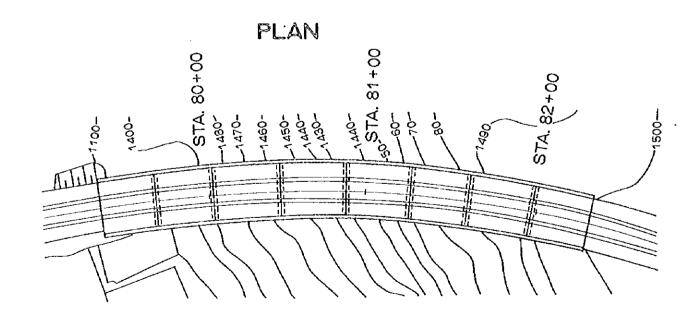
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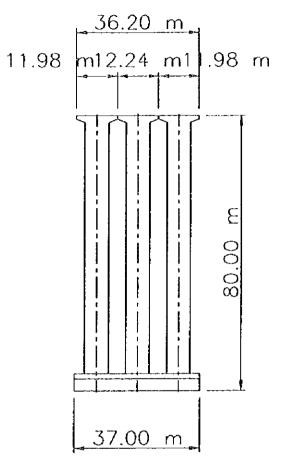
### ELEVATION



GRADE			= 300.00m	
PLANNING HEIGHT	Q7.665	\$6.50	\$ \$	52.57
GROUND LEVEL	256.25	W.78.00	8.	85. 80. 80.
STATION	STA 29+35	STA. 80+00	. \$- \$- \$-	STA. STA. STA.



### SECTION





### DESIGN CRITERIA

TYPE	SIMPLE COMPOSITE PCI GIROER
TOTAL BRIDGE LENGTH	300.00 M
SPAN	35.00 H, 40.00 H
WIDHT	34.00 H
LIVE LOAD	HS 20 - 44
IMPACT COEFICIENT	1 = <u>15+24</u> L+38
ACCELERATION COEFICIENT	A = 0.30
STANDARD	AASHTO

GENERAL VIEW OF BRIDGE - DEMOCRACIA BRIDGE VISTA GENERAL DEL PUENTE - PUENTE DEMOCRACIA GUATEMALA MUNICIPALITY

MUNICIPALIDAD DE GUATEMALA JAPAN INTERNATIONAL COOPERTATION AGENCY

AGENCIA DE COOPERACIÓN INTERNACIONAL DEL JAPÓN THE FEASIBILITY STUDY ON THE PROJECT OF URBAN TRANSPORTATION IN THE METROPOLITAN AREA OF GUATEMALA

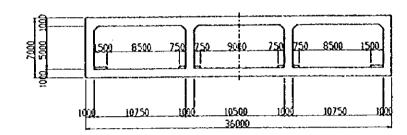
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# DEMOCRACIA PARQUE TUNNEL ZONE 7 RETAINING WALL

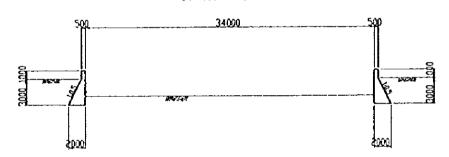
### DEMOCRACIA PARQUE TUNNEL

### SECTION

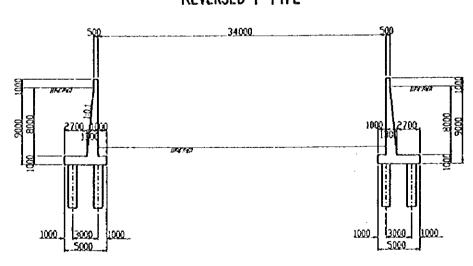


### ZONE 7 RETAINING WALL

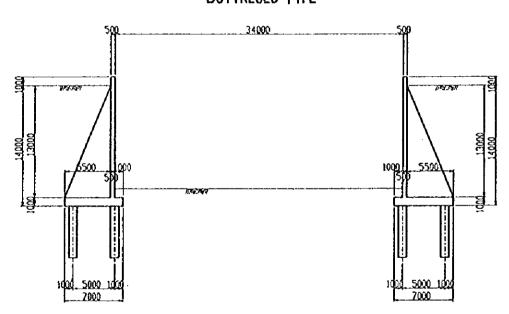
### GRAVITY TYPE



### REVERSED T-TYPE



### BUTTRESED TYPE



GENERAL VIEW -	DEMOCRACIA PARQUE TUNNEL
VISTA GENERAL	ZONE 7 RETAINING WALL - TUNNEL PARQUE LA DEMOCRACIA
TOTA OLITEINAL	70NE 7 MURO DE CONTENCION

Municipalidad de Guatenala JAPAN ENTERNATIONAL COOPERTATION AGENCY

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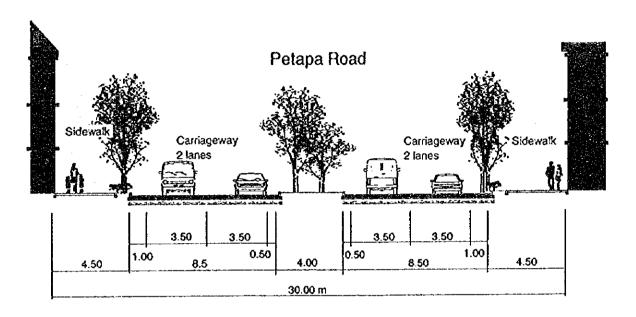
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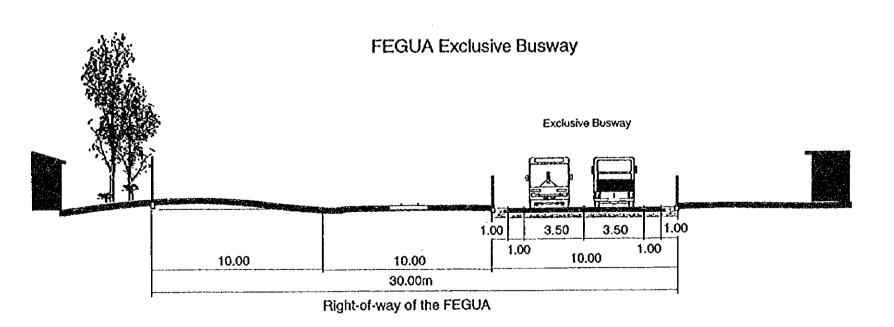
IN THE PETROPOLITAN AREA OF GUATERIALA

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### TYPYCAL CROSS SECTION





Typical Cross Section(Petapa Road / FEGUA Exclusive Busway)
SECCION TRANSVERSAL TIPICA
(VIA EXCLUSIVA DE BUS FEGUA / AVENIDA PETAPA

GUATEMALA MUNICIPALITY

MUNICIPALIDAD AGENCIA DE COOPERACION INTERNATIONAL DEL JAPAN

JAPAN INTERNATIONAL

**COOPERATION AGENCY** 

THE FEASIBILY STDY ON THE PROJECT OF UBAN TRANSPOTATION
IN THE METROPORITAN AREA OF GUATEMALA
EL ESTUDIO DE FACTIBILIDAD SOBRE EL PROYECTO DE TRANSPORTATION URBANA
EN EL AREA METROPOLITANA DE GUATEMALA

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