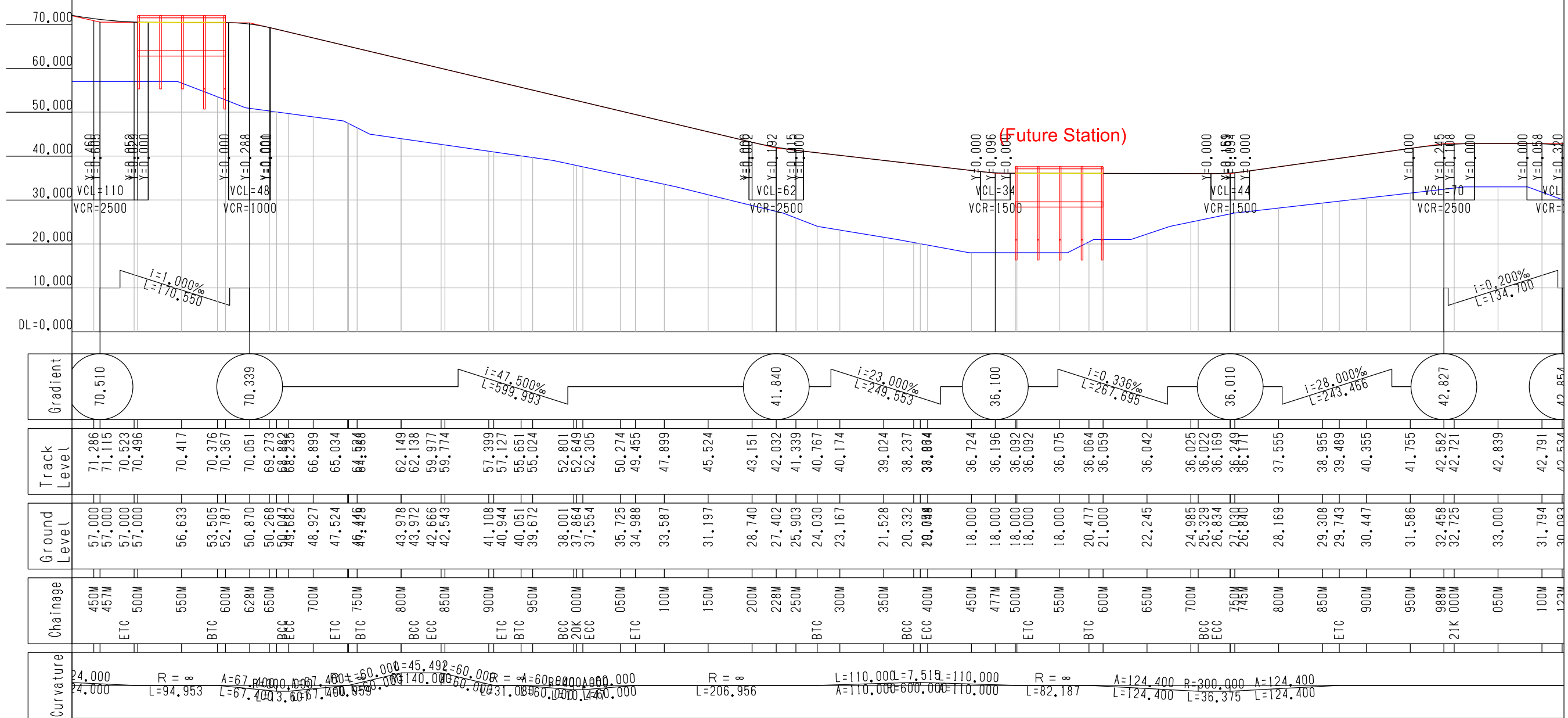


Est. Carcares

(Future Station)



SECRETARIA DEL METRO DE PANAMA



JAPAN INTERNATIONAL COOPERATION AGENCY

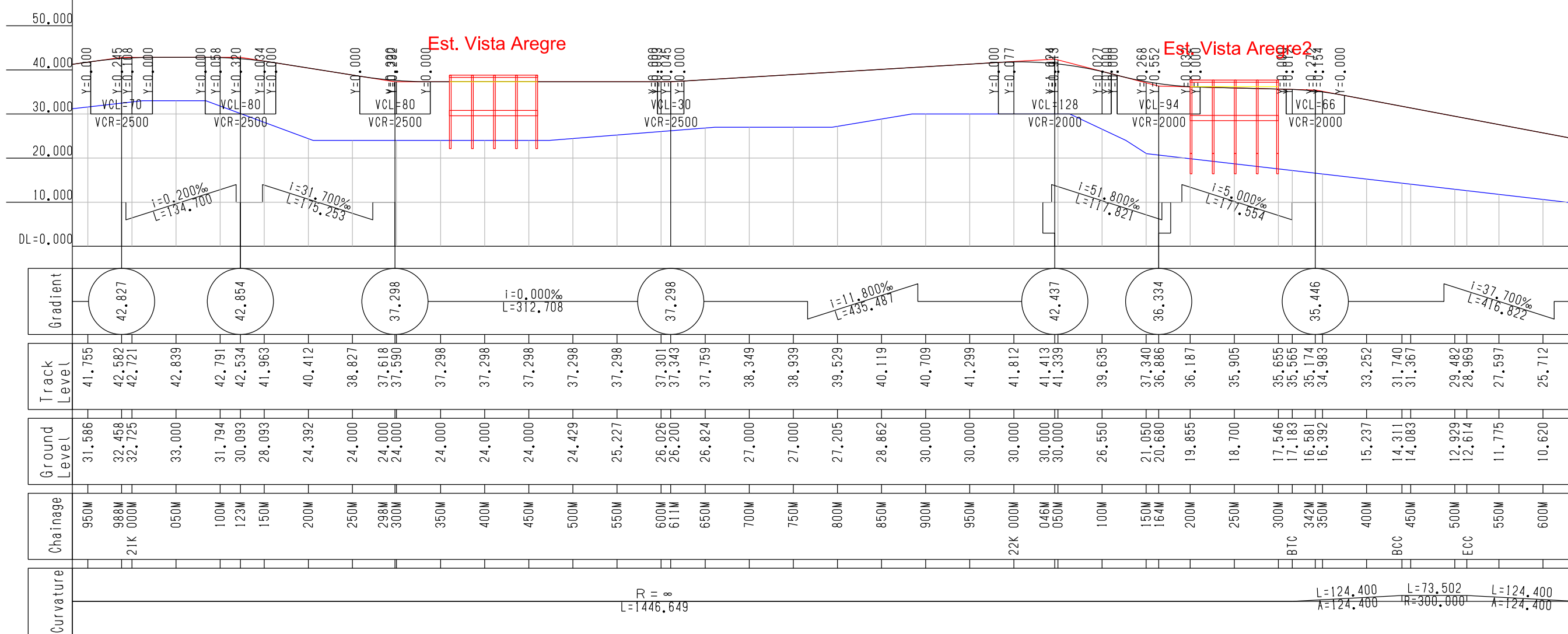
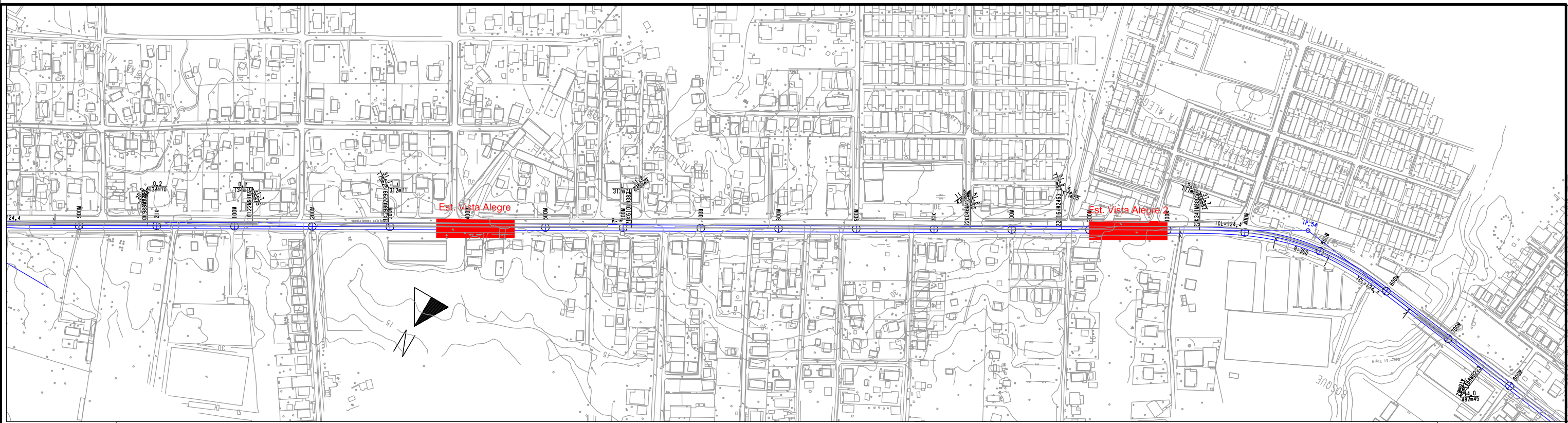
THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

DRAWN:	DATE: August 2014
DESIGNED:	SCALE(A3): Plan 1:5,000 Profile 1:5,000(X) and 1:1,000(Y)

RECEIVED BY:	SUBMITTED BY:
TEAM LEADER/URBAN RAILWAY PLANNING	CIVIL AND FACILITY PLANNING

CHECKED BY:	PAGE: 14
APPROVED BY:	18

REMARKS:
Alignment Plan(FR)
(19K500M000 ~ 21K000M000)



SECRETARIA DEL METRO DE PANAMA



JAPAN INTERNATIONAL COOPERATION AGENCY

THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

DRAWN:

DATE: August 2014

RECEIVED BY:

SUBMITTED BY:

CHECKED BY:

PAGE:

DESIGNED:

SCALE(A3): Plan 1:5,000
Profile 1:5,000(X) and 1:1,000(Y)

TEAM LEADER/URBAN RAILWAY PLANNING

CIVIL AND FACILITY PLANNING

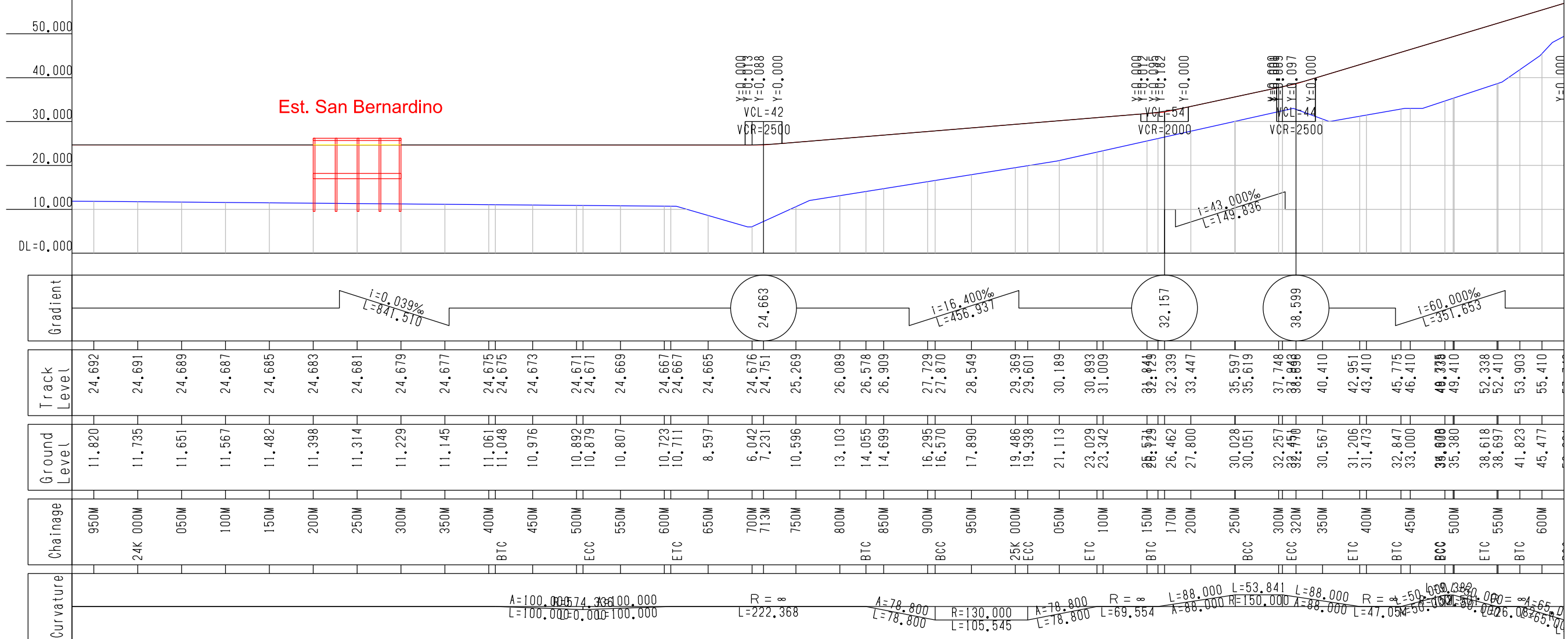
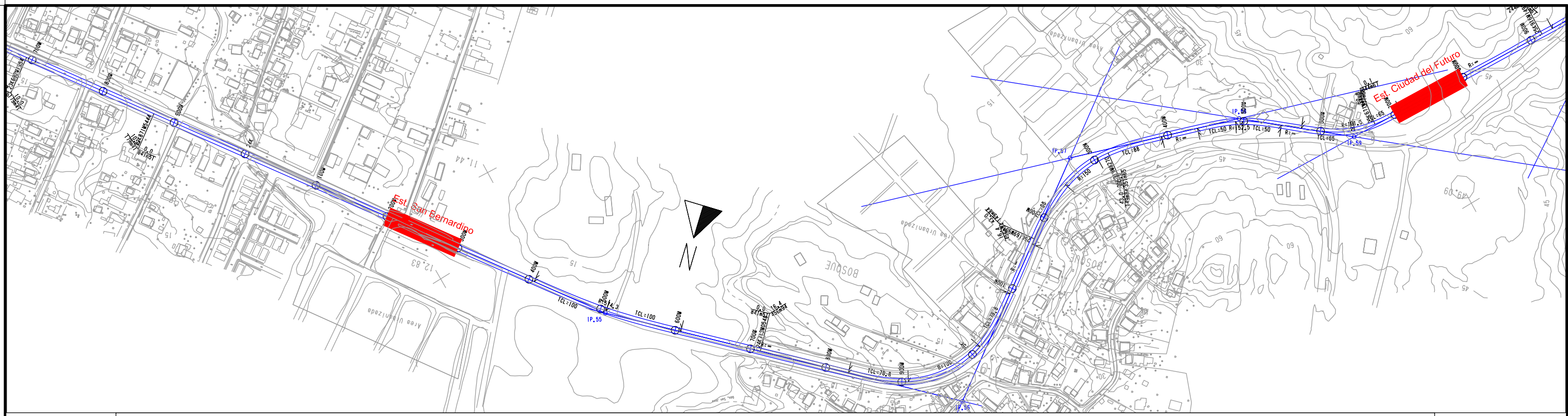
APPROVED BY:

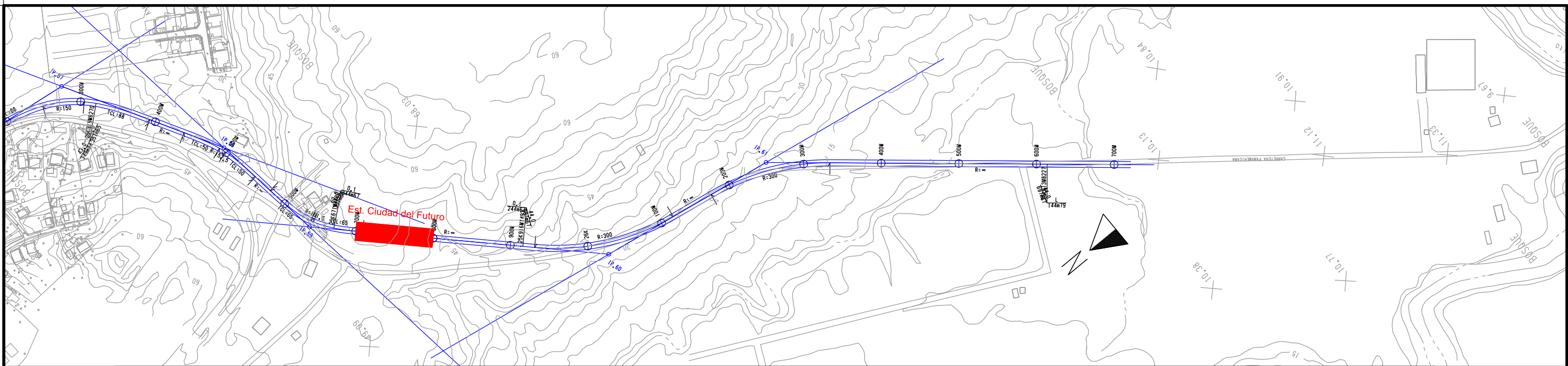
15

REMARKS:

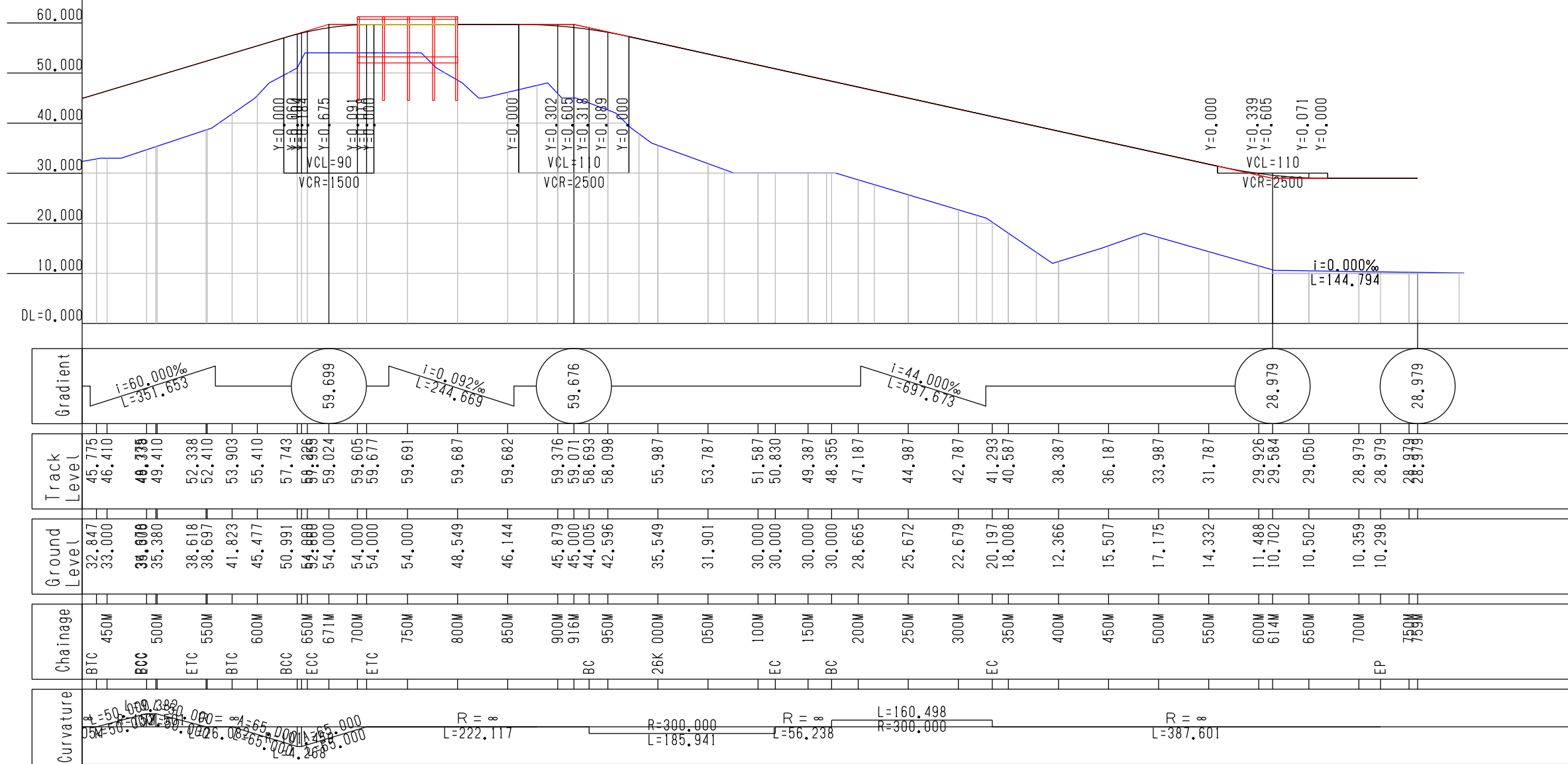
Alignment Plan(FR)
(21K000M000 ~ 22K500M000)

18





Est. Ciudad del Futuro



SECRETARIA DEL METRO DE PANAMA



JAPAN INTERNATIONAL COOPERATION AGENCY

THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

DRAWN: _____
DESIGNED: _____

DATE: August 2014
SCALE(A3): Plan 1:5,000
Profile 1:5,000(X) and 1:1,000(Y)

RECEIVED BY: _____
TEAM LEADER/URBAN RAILWAY PLANNING

SUBMITTED BY: _____
CIVIL AND FACILITY PLANNING

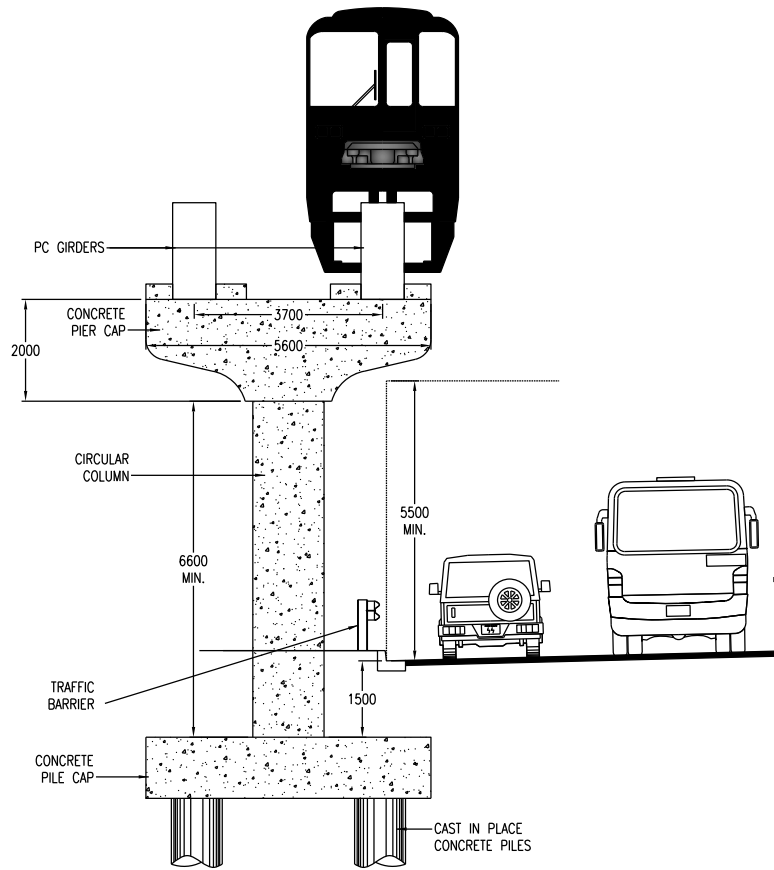
CHECKED BY: _____
APPROVED BY: _____

PAGE: 18

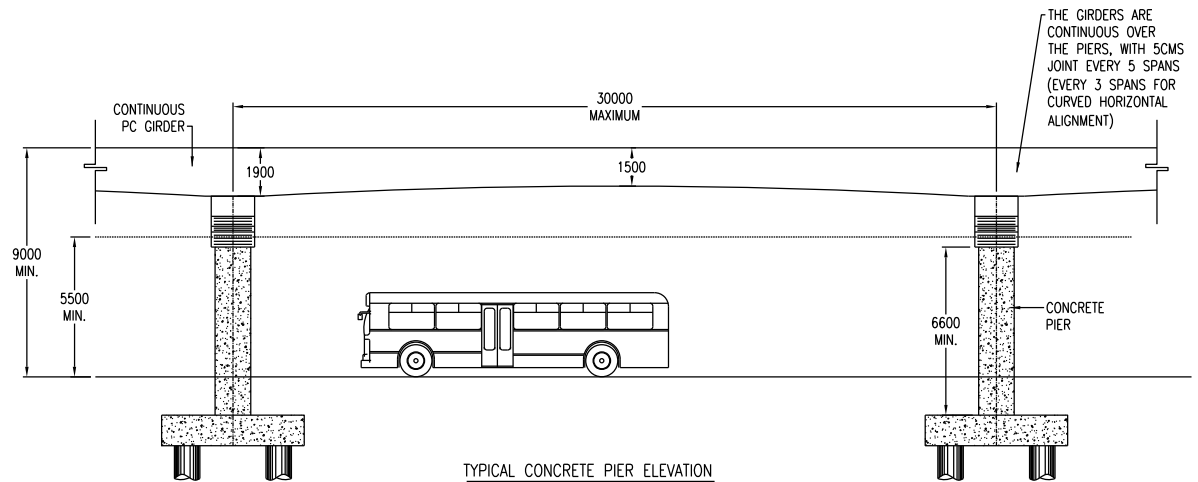
REMARKS:

Alignment Plan(FR)
(25K500M000 ~ 26K800M000)

4-2 構造物図面



TYPICAL CONCRETE PIER ELEVATION
SCALE 1:100



TYPICAL CONCRETE PIER ELEVATION
SCALE 1:100

GENERAL NOTES

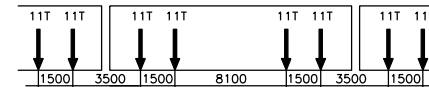
1.0 DESIGN

DESIGN CODES

- * AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, THIRD EDITION 2004
- * TECHNICAL STANDARD FOR SEISMIC DESIGN IN PANAMA

LIVE LOAD

- * 6 CARS OF 44 TONS EACH.



DEAD LOAD

- * REINFORCED CONCRETE 2,400 kg/m³
- * COMPACTED EARTH FILL 1,600 kg/m³
- * STRUCTURAL STEEL 7,850 kg/m³

SEISMIC LOAD

- * ACCELERATION COEFFICIENT A=0.20 (PANAMA CITY)
- * SITE COEFFICIENTS, SOIL PROFILE S2, S=1.20

MATERIALS PROPERTIES

CONCRETE

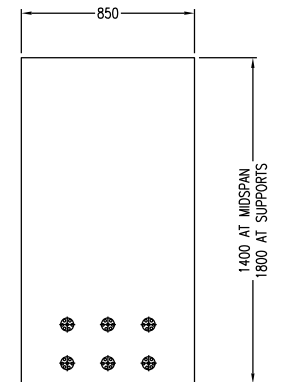
- * PRESTRESSED CONCRETE 420 kg/cm²
- * PIER CONCRETE 280 kg/cm²
- * PILES CONCRETE 280 kg/cm²

PRESTRESSING STEEL

- * LOW RELAXATION SEVEN WIRE CABLES GRADE 270K
- FPU = 18,900 KG/CM²

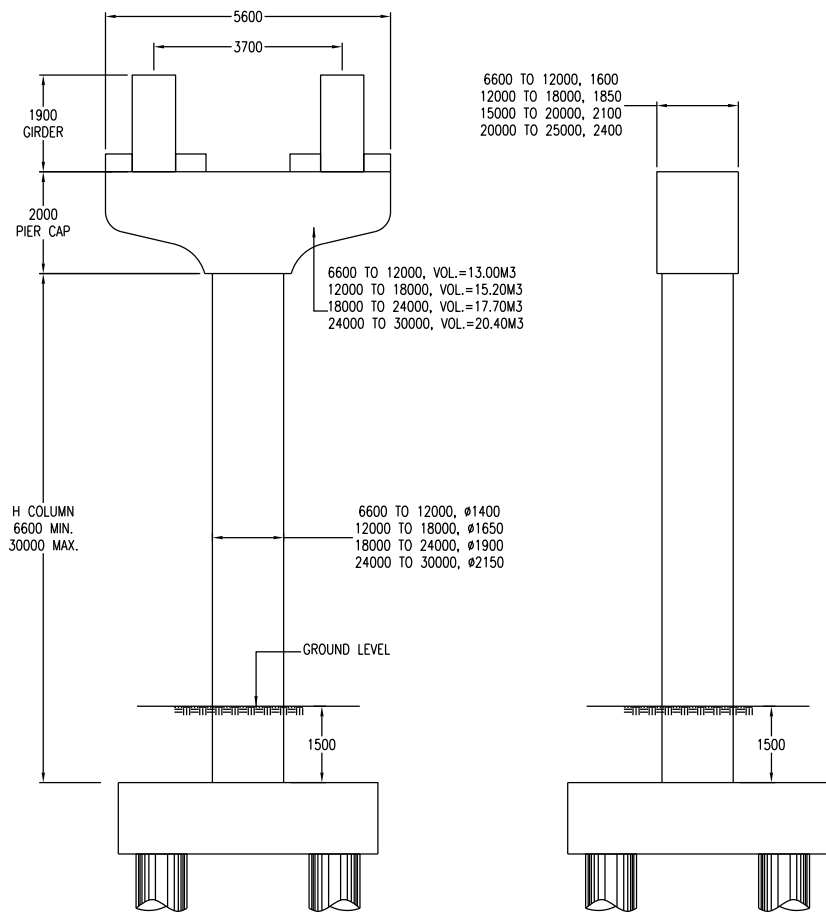
REINFORCEMENT STEEL

- * CORRUGATED BARS GRADE 60 ASTM A-615, fy=4200 Kg/cm²

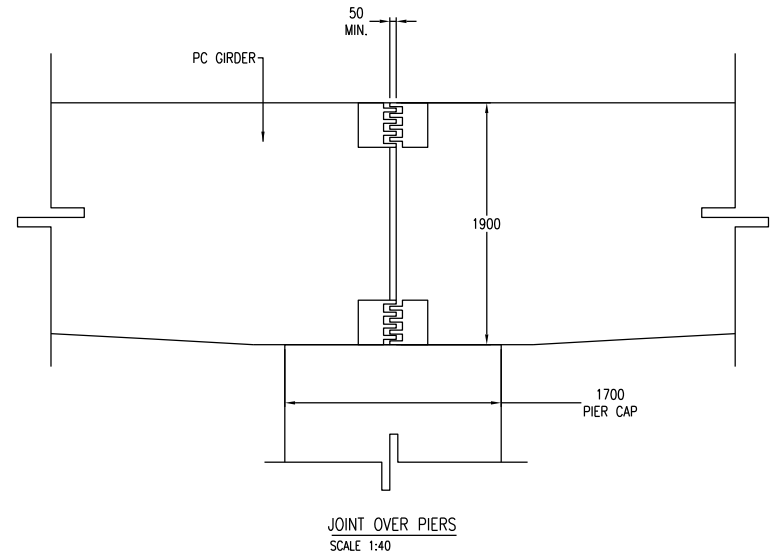


POST-TENSIONED GIRDER SECTION
SCALE 1:25

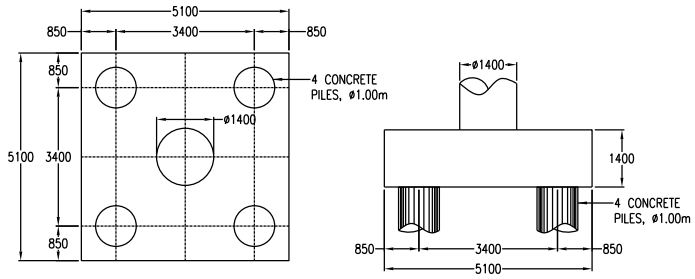
PROJECT: THE FEASIBILITY STUDY OF PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT		
CONTENTS: TYPICAL DETAILS		
DESIGNED: R.M.G.	DATE: JANUARY-2013	
DRAWN: E.A.D.C.	SCALE: INDICATED	SHEET: 1/3



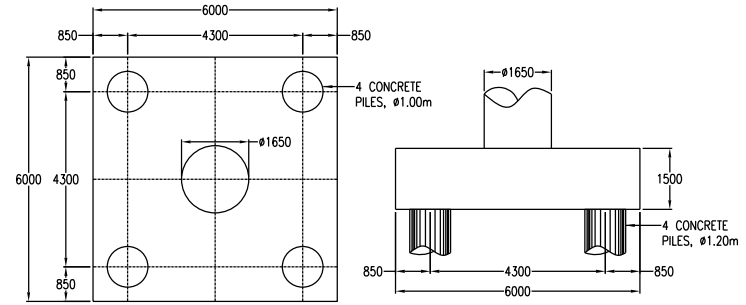
GEOMETRY OF PIER CAP AND COLUMNS
 SCALE 1:100



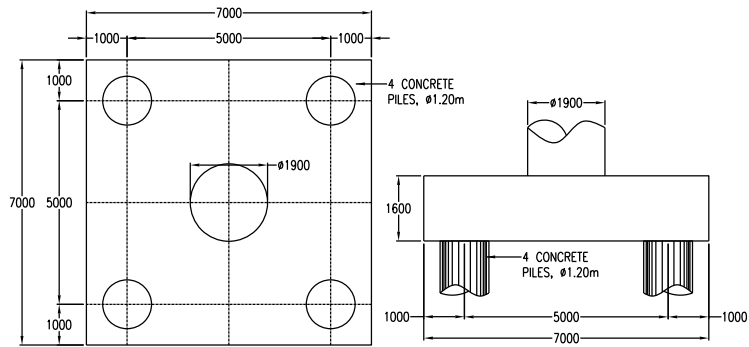
PROJECT: THE FEASIBILITY STUDY OF PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT		
CONTENTS: PIER DETAILS		
DESIGNED: R.M.G.	DATE: OCTOBER-2013	
DRAWN: E.A.D.C.	SCALE: INDICATED	SHEET: 2 / 3



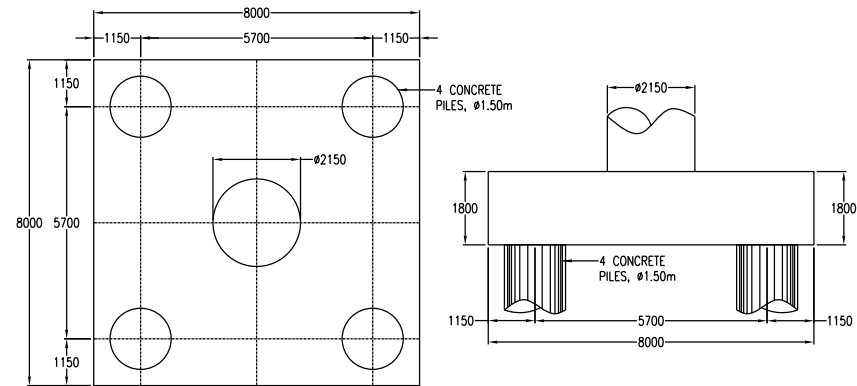
PILE CAP FOR COLUMNS OF H=6.60m TO H=12.00m



PILE CAP FOR COLUMNS OF H=12.00m TO H=18.00m



PILE CAP FOR COLUMNS OF H=18.00m TO H=24.00m



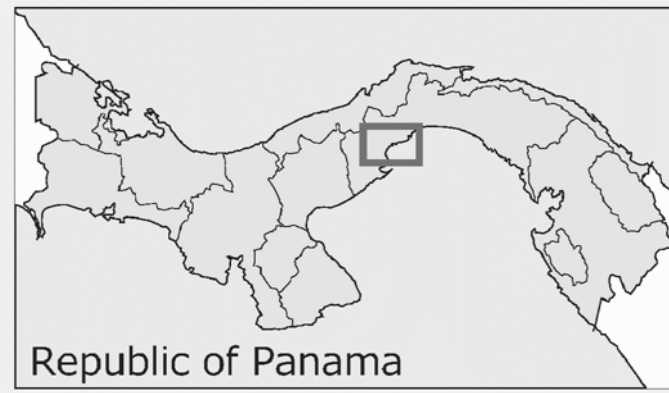
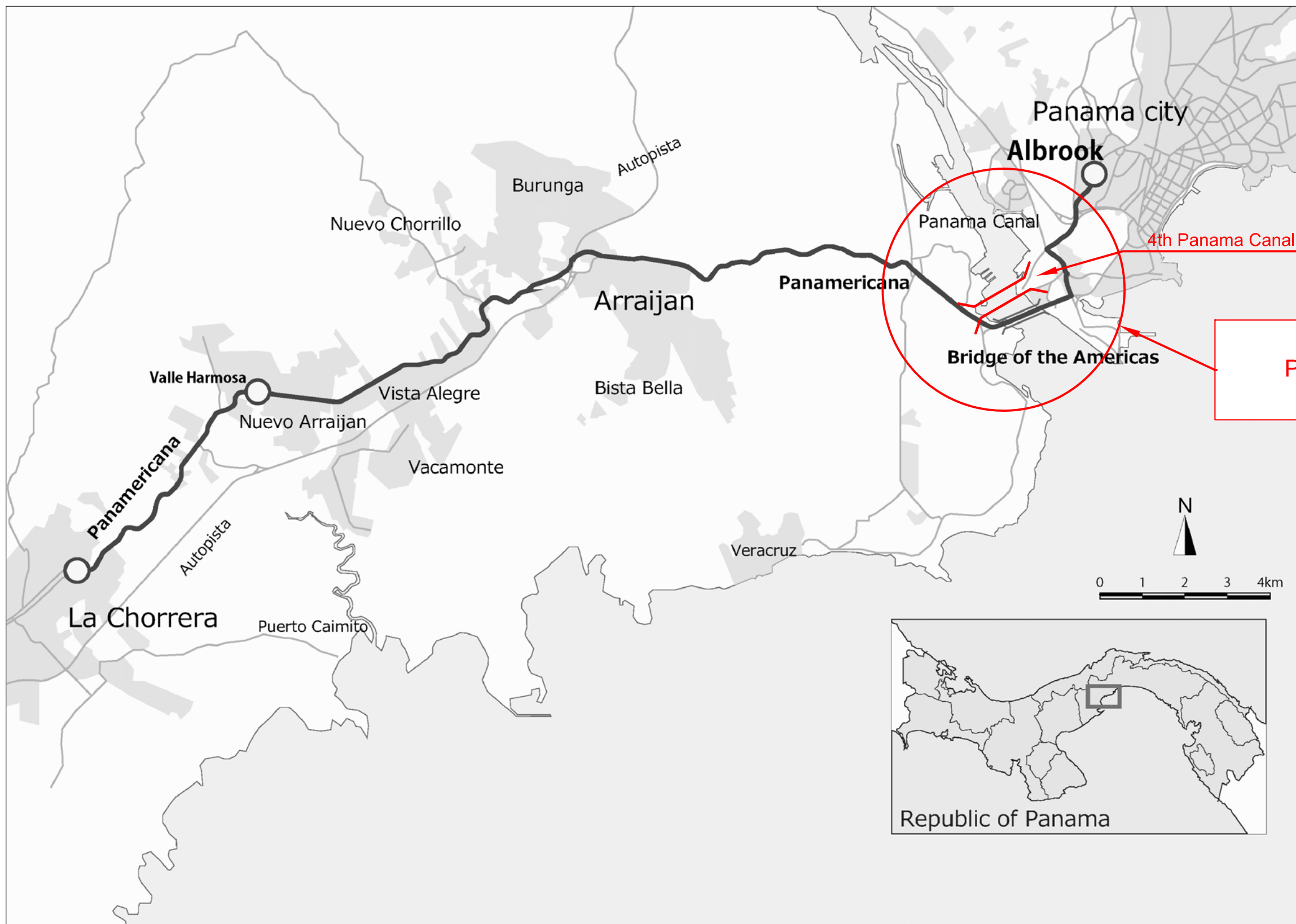
PILE CAP FOR COLUMNS OF H=24.00m TO H=30.00m

PROJECT:		
THE FEASIBILITY STUDY OF PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT		
CONTENTS:		
FOOTING DETAILS		
DESIGNED:	DATE:	
R.M.G.	OCTOBER-2013	
DRAWN:	SCALE:	SHEET:
E.A.D.C.	INDICATED	3 / 3

付属資料 5: 概略設計図面(第4パナマ運河橋)

付属資料 5-1: 概略設計図面

付属資料 5-1-1: 位置図



SECRETARIA DEL METRO DE PANAMA



JAPAN INTERNATIONAL COOPERATION AGENCY

THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

DRAWN:	DATE: May 2014	RECEIVED BY:	SUBMITTED BY:	CHECKED BY:	PAGE:
DESIGNED:	SCALE: S=1:100,000	TEAM LEADER/URBAN RAILWAY PLANNING	CIVIL AND FACILITY PLANNING	APPROVED BY:	1/2

REMARKS:
Project Location Map (1 of 2)

Project Location Map (2 of 2)

S=1:10000

