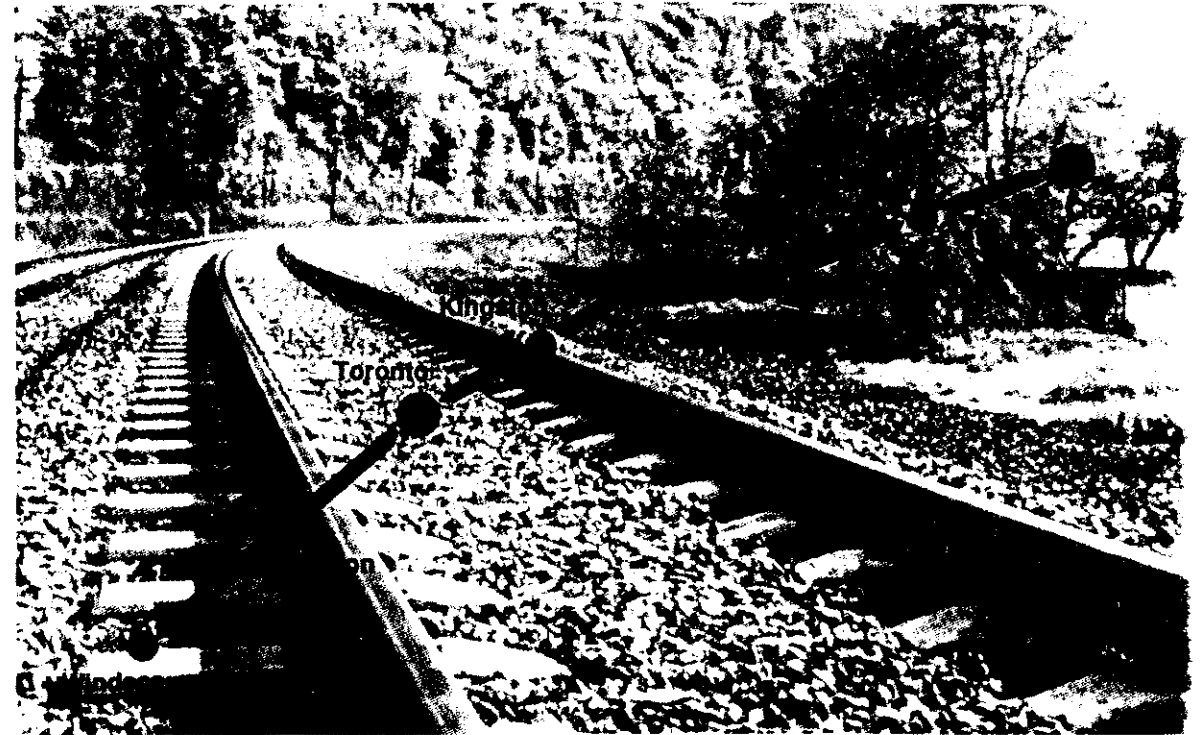


Preliminary Routing Assessment  
and Costing Study

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Interim Report No. 2  
Detailed Routing Analysis  
Appendix A - Schematic Plan and Profile

May, 1993



**SNC-LAVALIN and DELCAN**

in association with:

- CANARAIL
- SOFRERAIL
- SWEDERAIL

**APPENDIX A**  
**SCHEMATIC PLAN AND PROFILE**

**Table of Contents**

**200-250 KPH TILTING TECHNOLOGY**

WINDSOR - OSHAWA  
OSHAWA - RICHMOND  
RICHMOND - OTTAWA  
OTTAWA - DORION  
DORION - MONTREAL  
MONTREAL - QUEBEC

**OVER 300 KPH NON-TILTING TECHNOLOGY IN EXISTING RAIL CORRIDORS**

WINDSOR - OSHAWA  
OSHAWA - RICHMOND  
RICHMOND - OTTAWA  
OTTAWA - CP LACHUTE  
CP LACHUTE - MONTREAL  
MONTREAL - QUEBEC

**OVER 300 KPH NON-TILTING TECHNOLOGY IN NEW CORRIDORS**

WINDSOR - OSHAWA  
OSHAWA - RICHMOND  
RICHMOND - OTTAWA  
OTTAWA - MIRABEL  
MIRABEL - MONTREAL  
MONTREAL - QUEBEC

**200-250 KPH TILTING TECHNOLOGY**

**WINDSOR - OSHAWA**



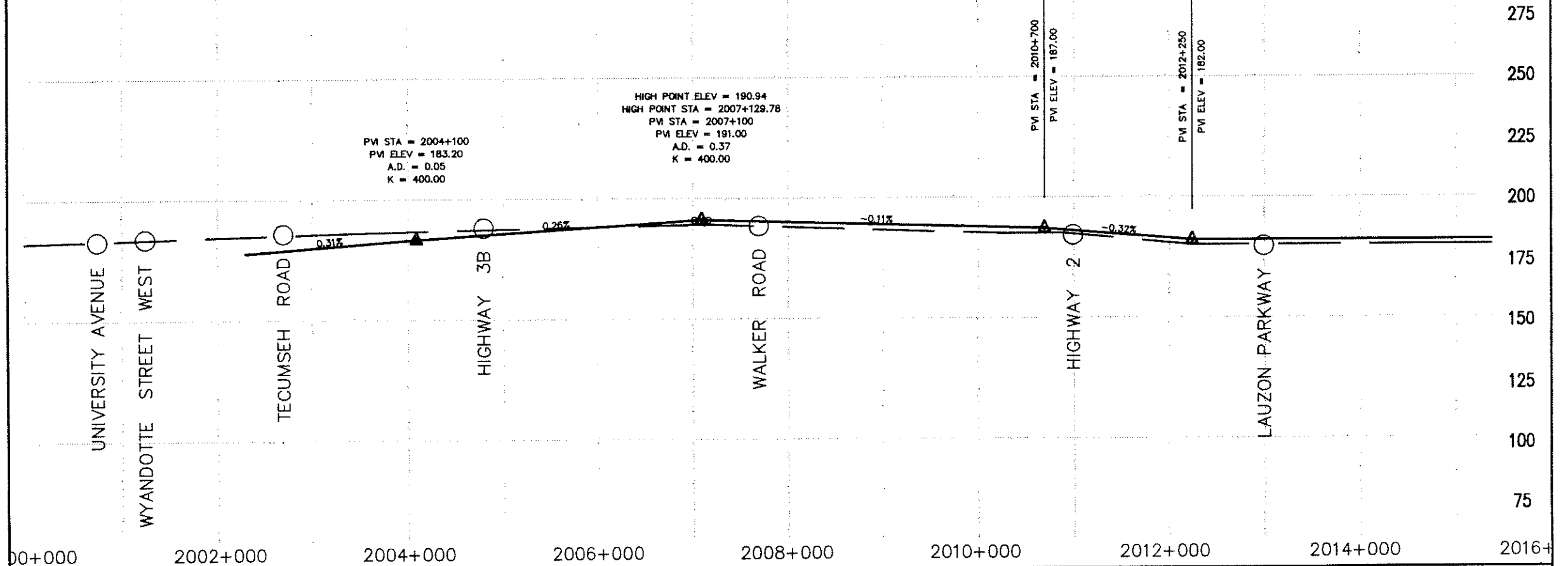
Schematic

R = 1000

Right

Left

Profile



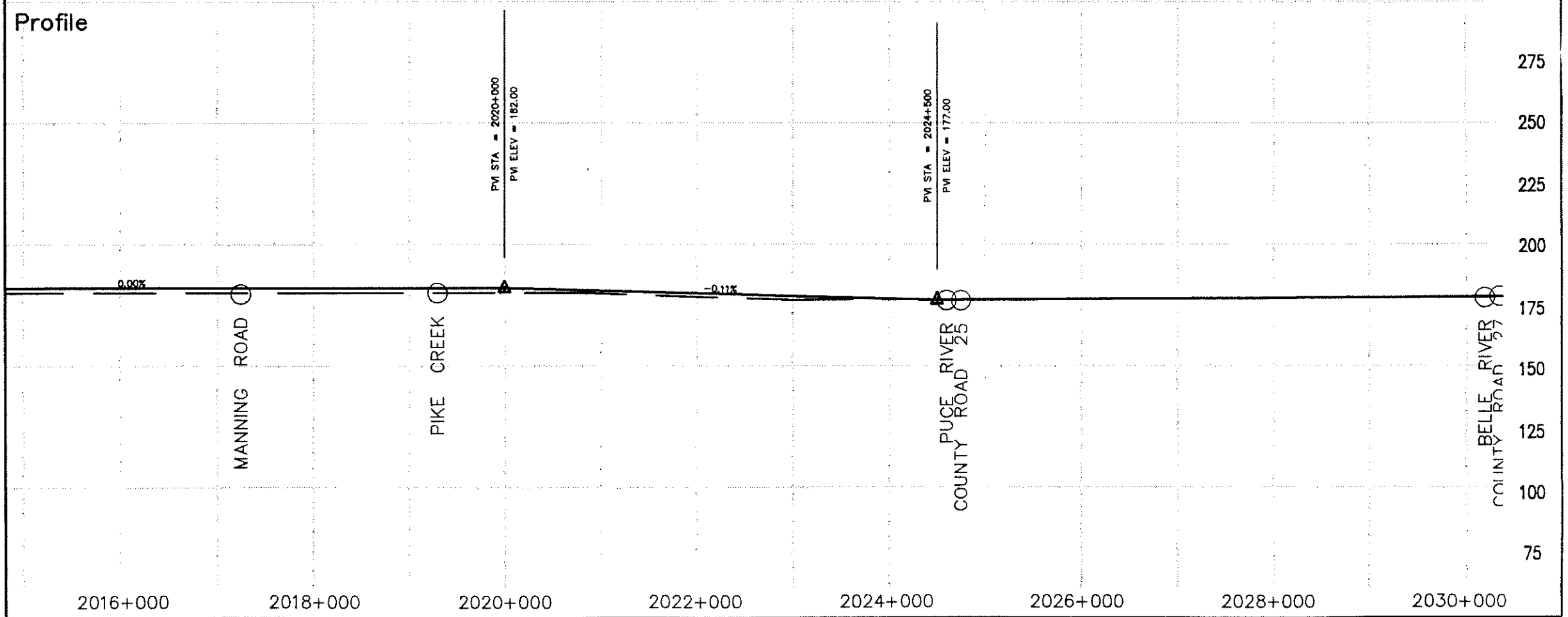
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-A0	SHEET: 1 OF 28

Schematic

Right

Left

Profile



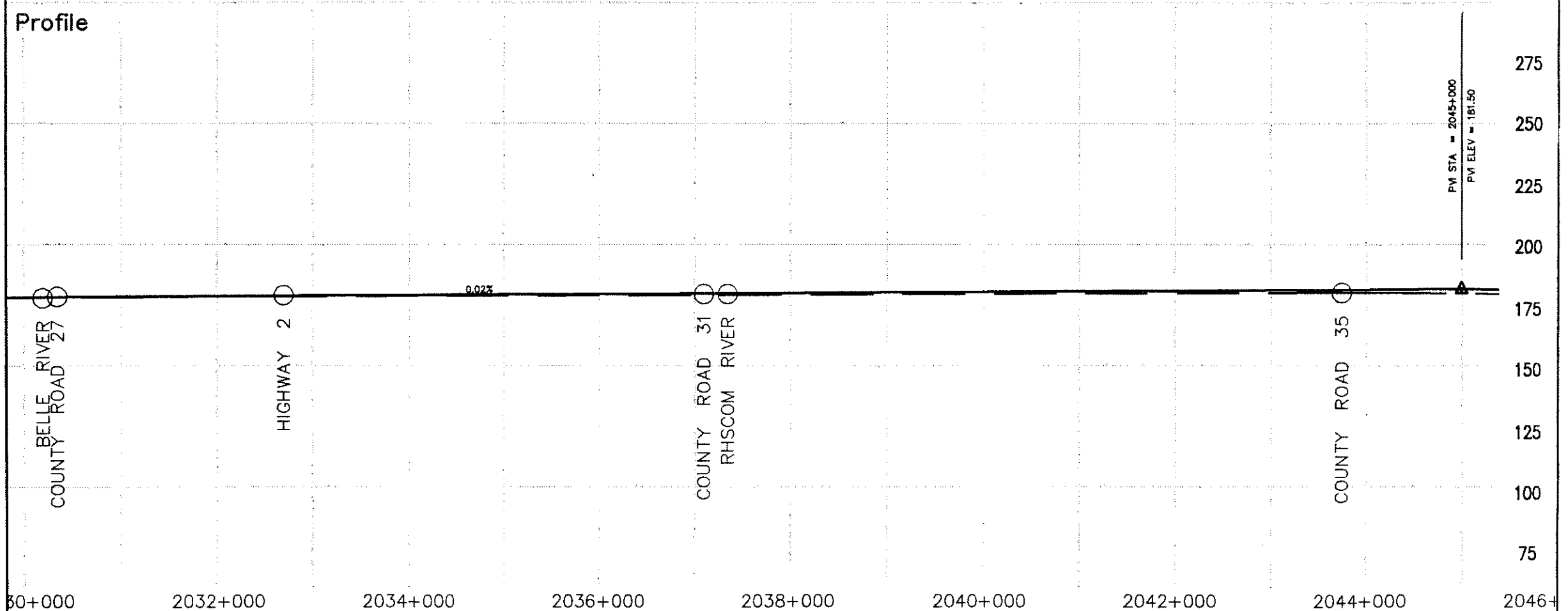
<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>200km/h PLUS ON EXISTING ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-A0	SHEET: 2 OF 28

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WT2-A0

DATE: MAY/93  
 REVISION:  
 SHEET: 3 OF 28

Schematic

R = 10000

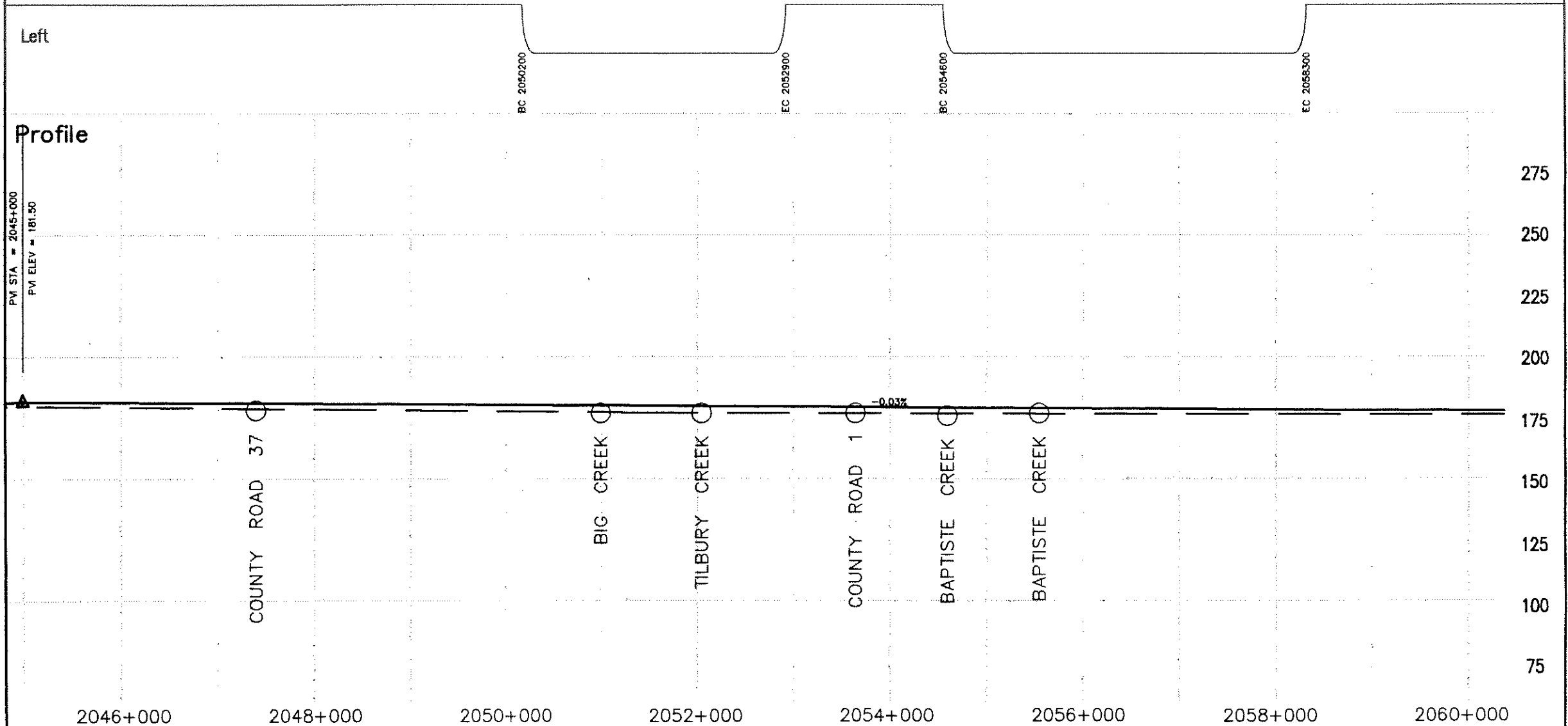
R = 10000

Right

Left

Profile

PVI STA = 2045+000  
PVI ELEV = 181.50



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
WINDSOR - TORONTO

SCALE: HOR: 1:50000	DATE: MAY/93
VER: 1:2000	REVISION:
SEGMENT CODE: WT2-A0	SHEET: 4 OF 28

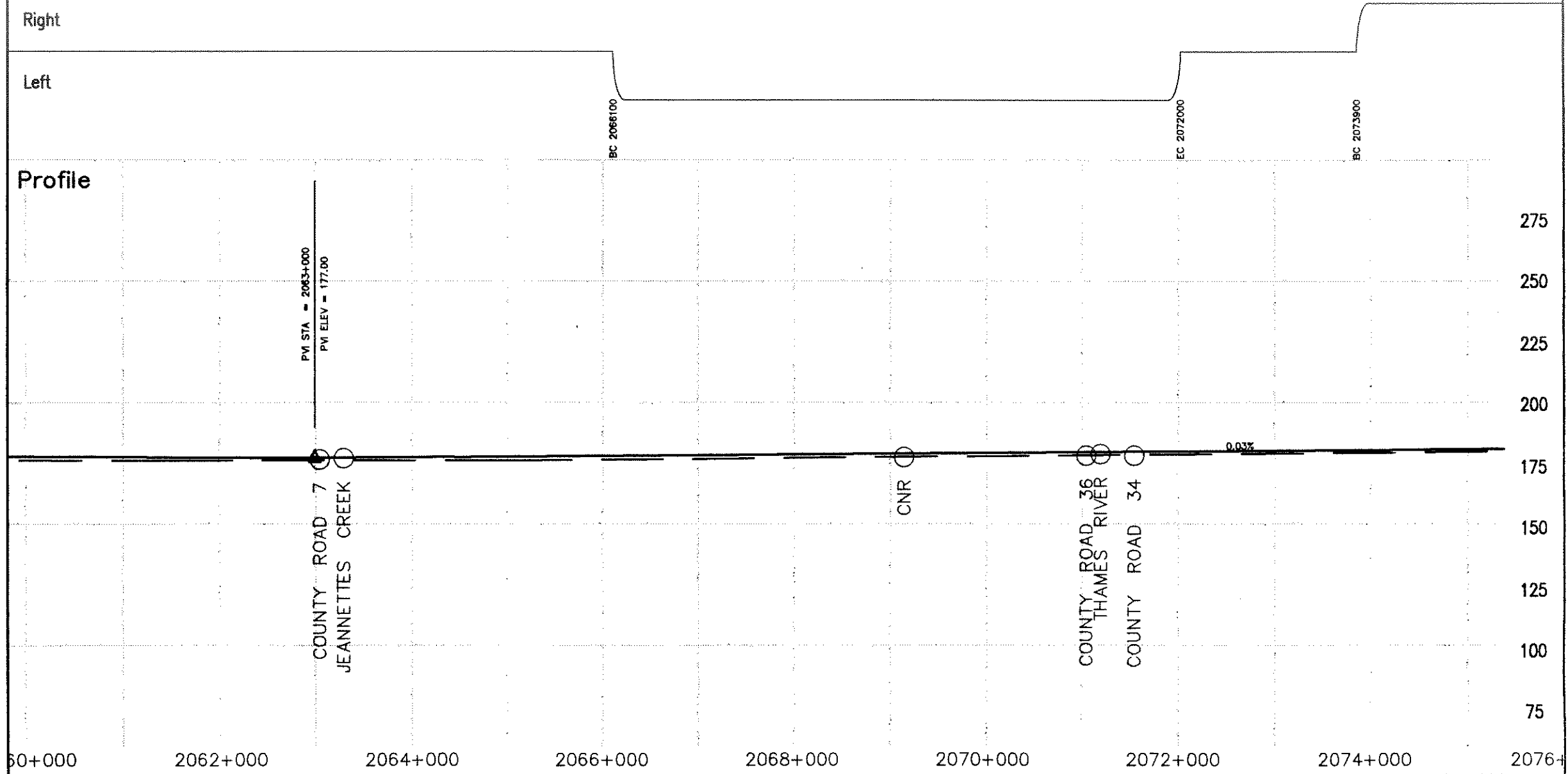
Schematic

R = 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-A0	SHEET: 5 OF 28

Schematic

R = 8000

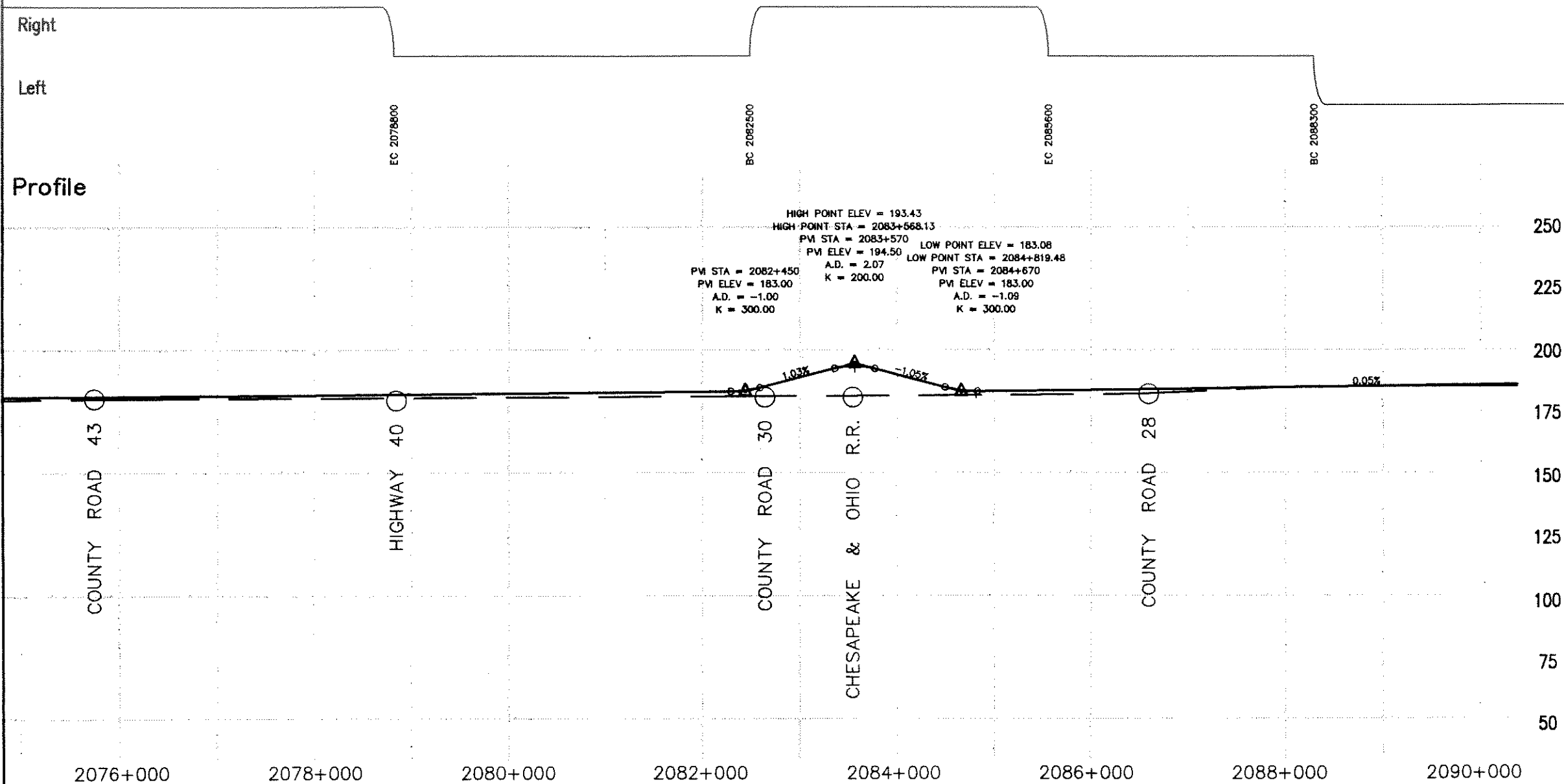
R = 8000

R = 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

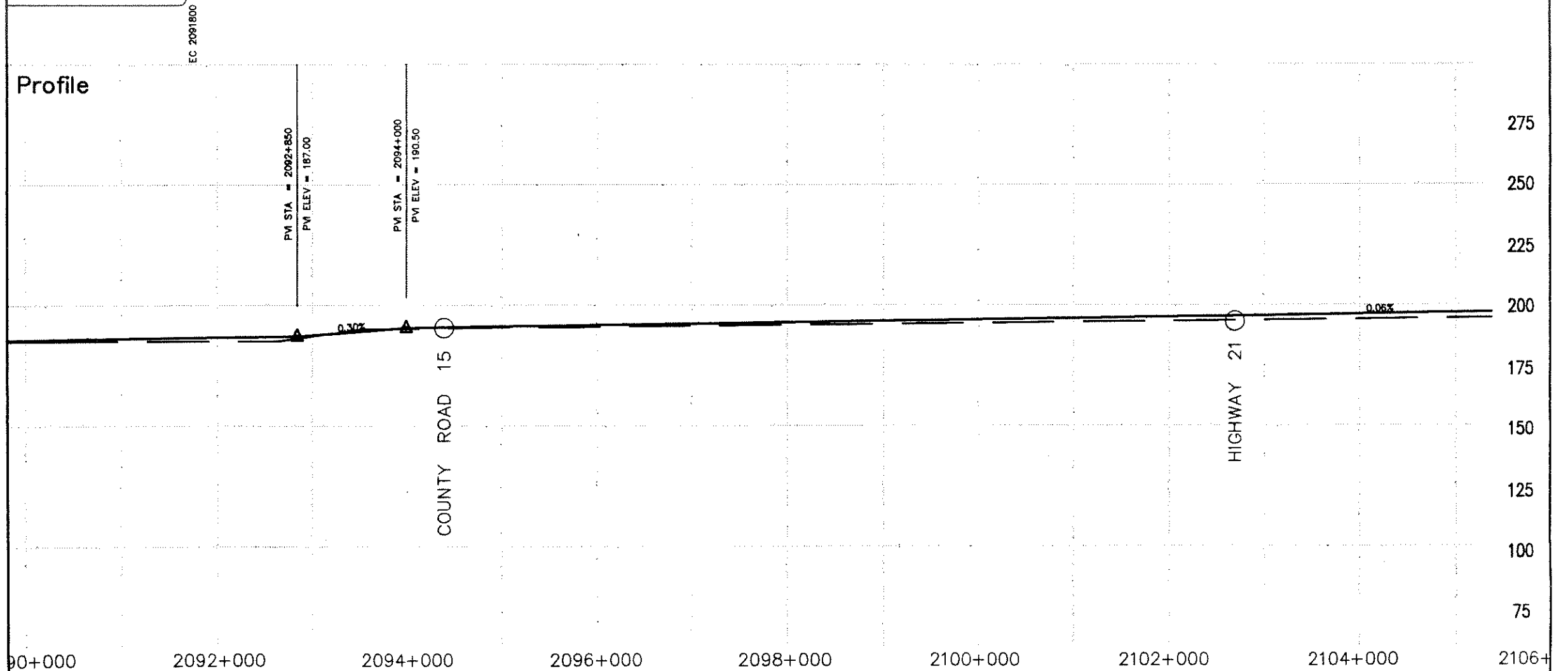
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VER: 1:2000	REVISION:
SEGMENT CODE: WT2-A0	SHEET: 6 OF 28

Schematic  
= 8000

Right

Left

Profile



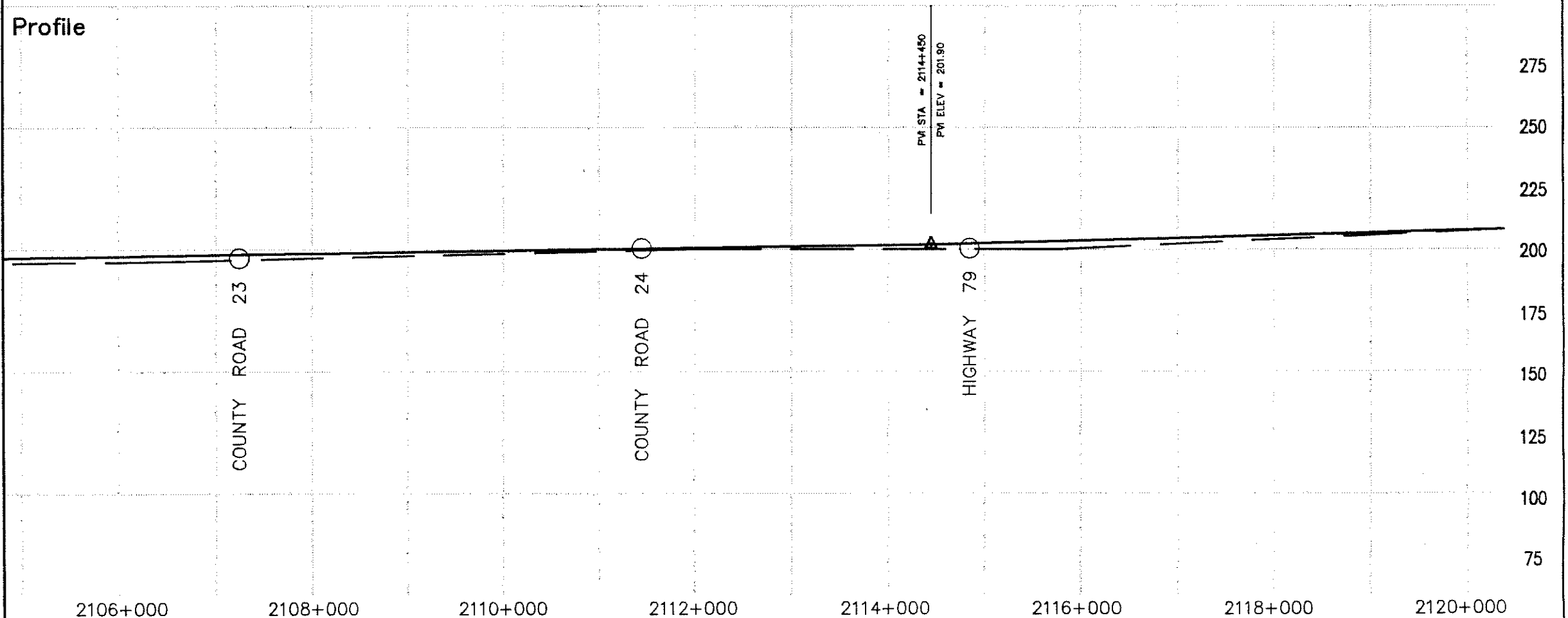
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-A0	SHEET: 7 OF 28

Schematic

Right

Left

Profile



<p>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE</p>	<p>200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO</p>	<p>SCALE: HOR: 1:50000 VER: 1:2000 SEGMENT CODE: WT2-A0</p>	<p>DATE: MAY/93 REVISION: SHEET: 8 OF 28</p>
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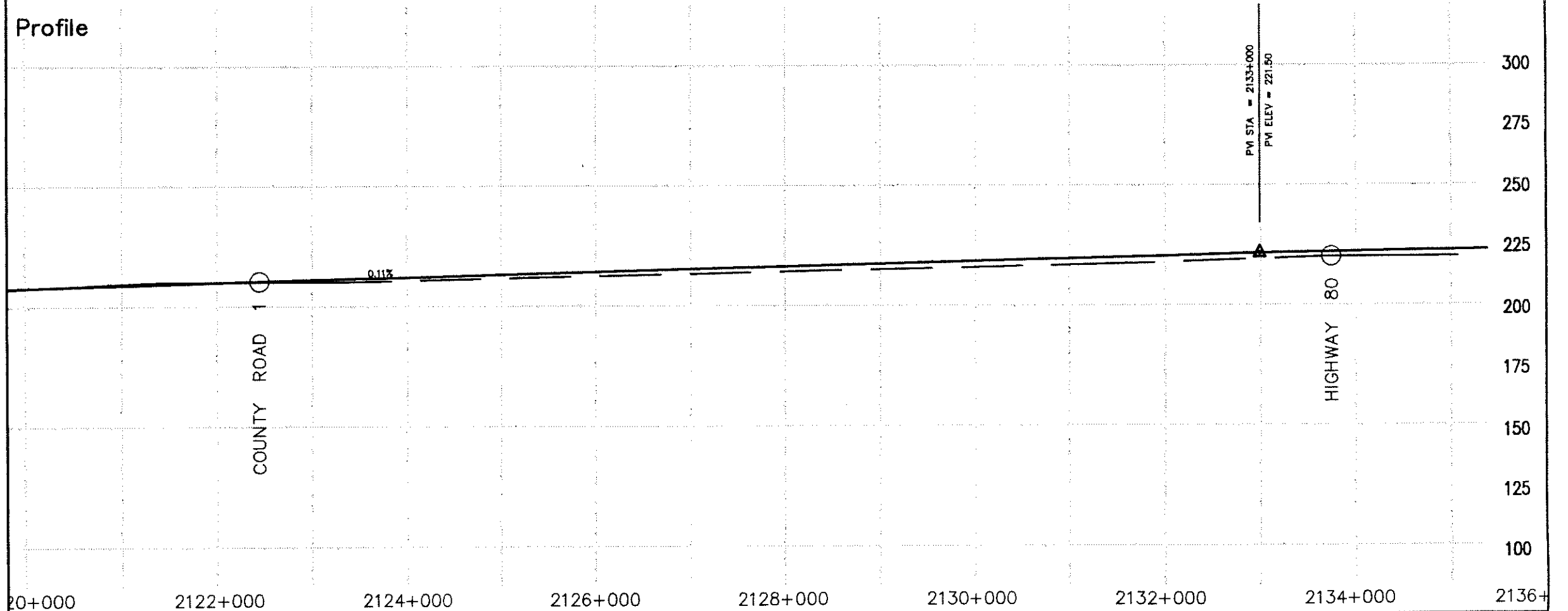


Schematic

Right

Left

Profile



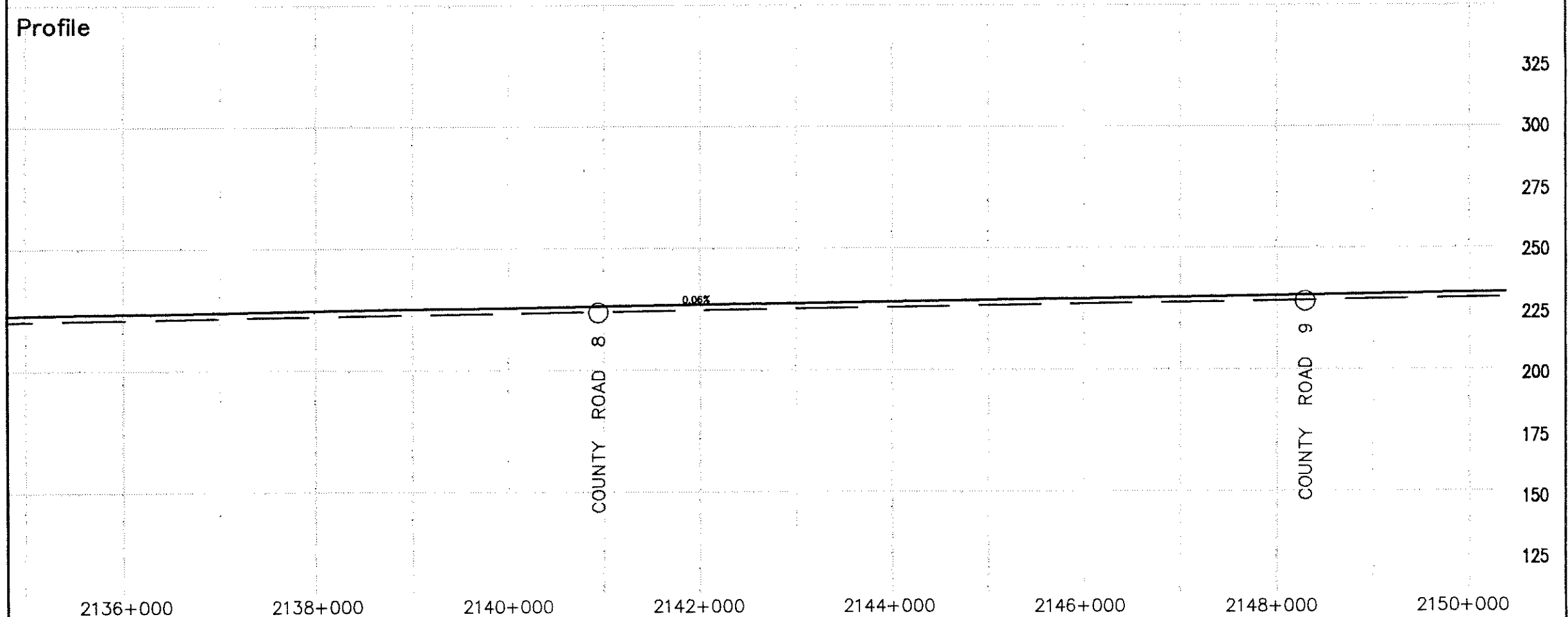
<p>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE</p>	<p>200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO</p>	<p>SCALE: HOR: 1:50000 VER: 1:2000 SEGMENT CODE: WT2-A0</p>	<p>DATE: MAY/93 REVISION: SHEET: 9 OF 28</p>
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Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WT2-A0

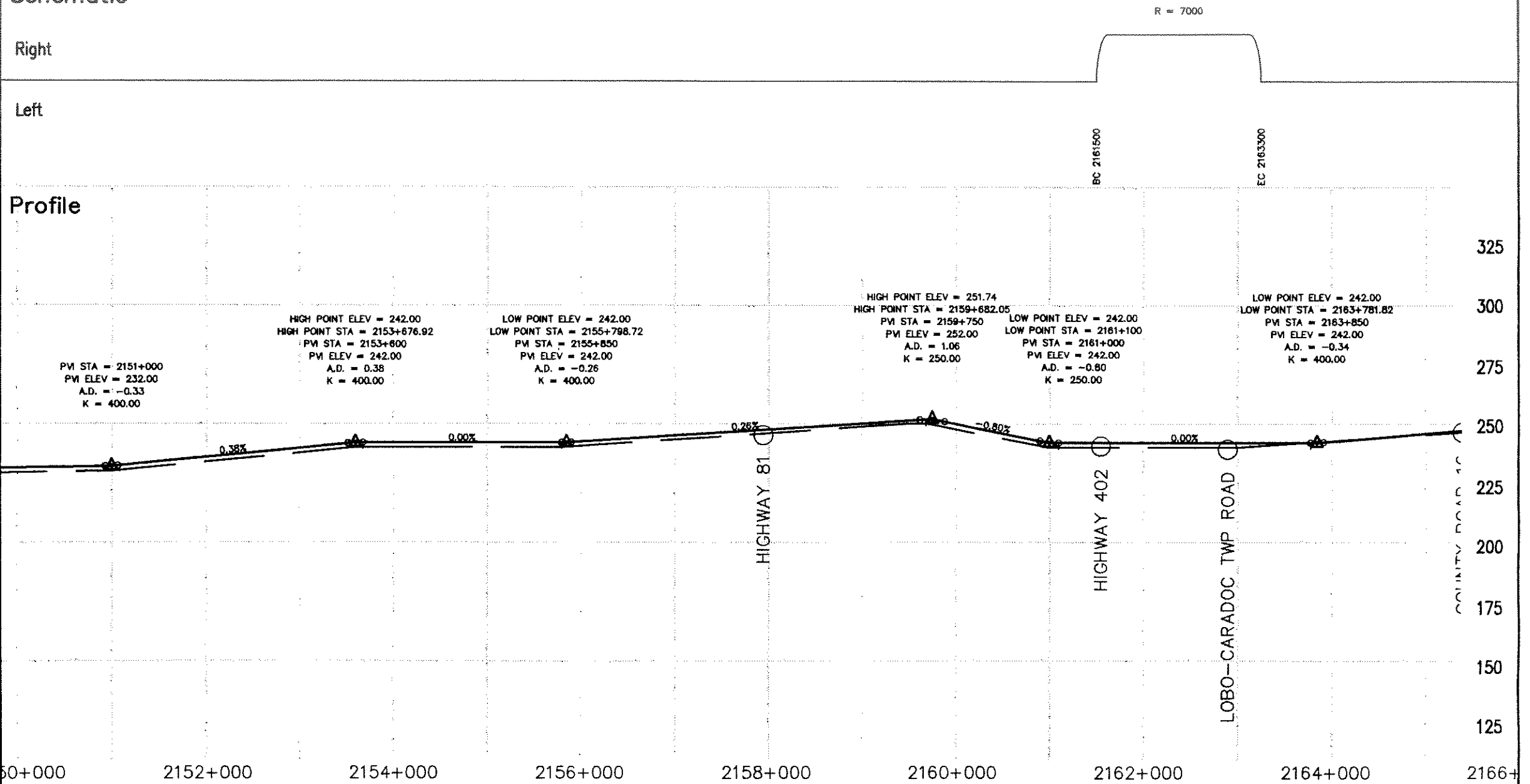
DATE: MAY/93  
 REVISION:  
 SHEET: 10 OF 28

Schematic

Right

Left

Profile



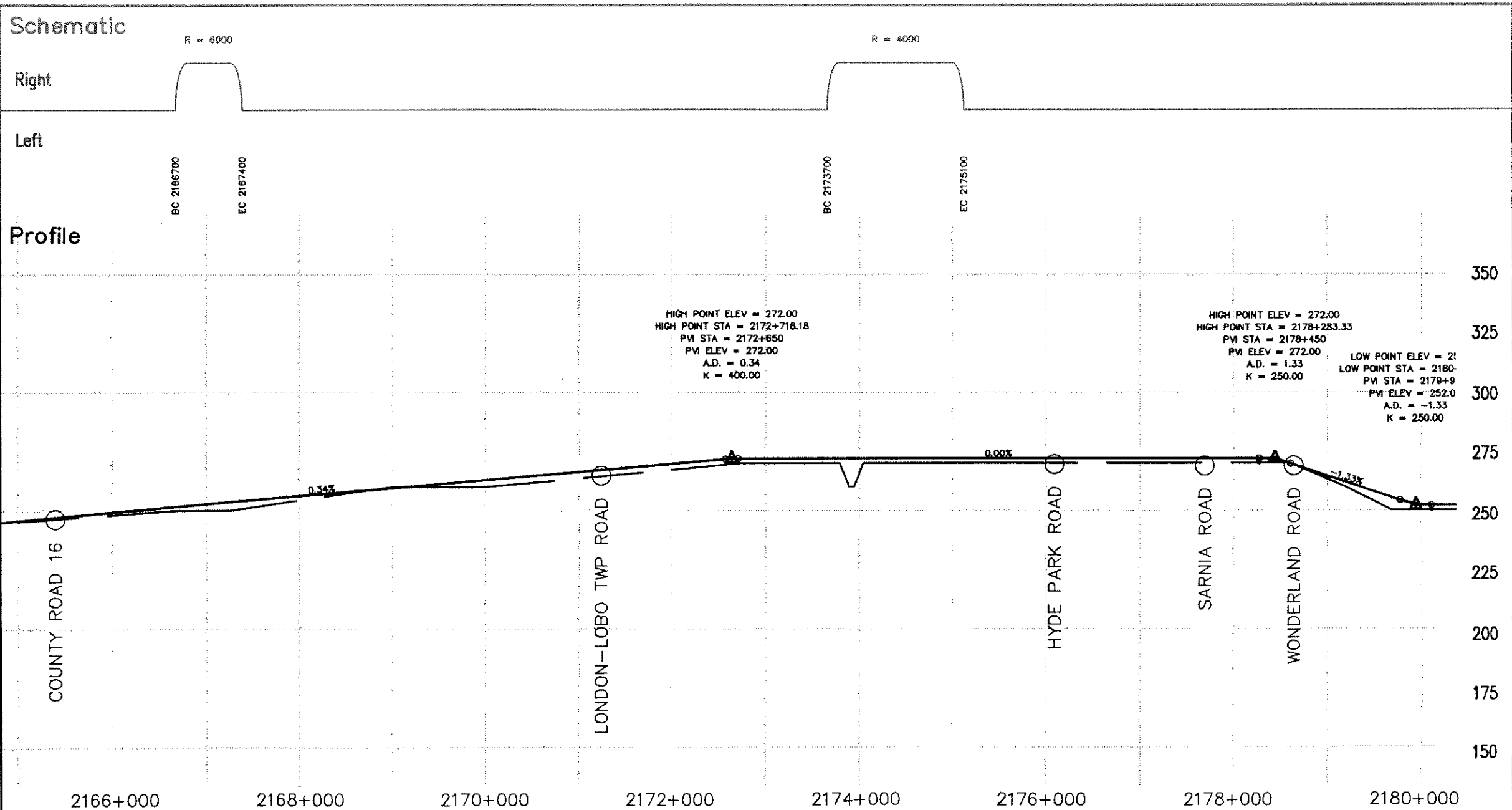
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-A0	SHEET: 11 OF 28

Schematic

Right

Left

Profile



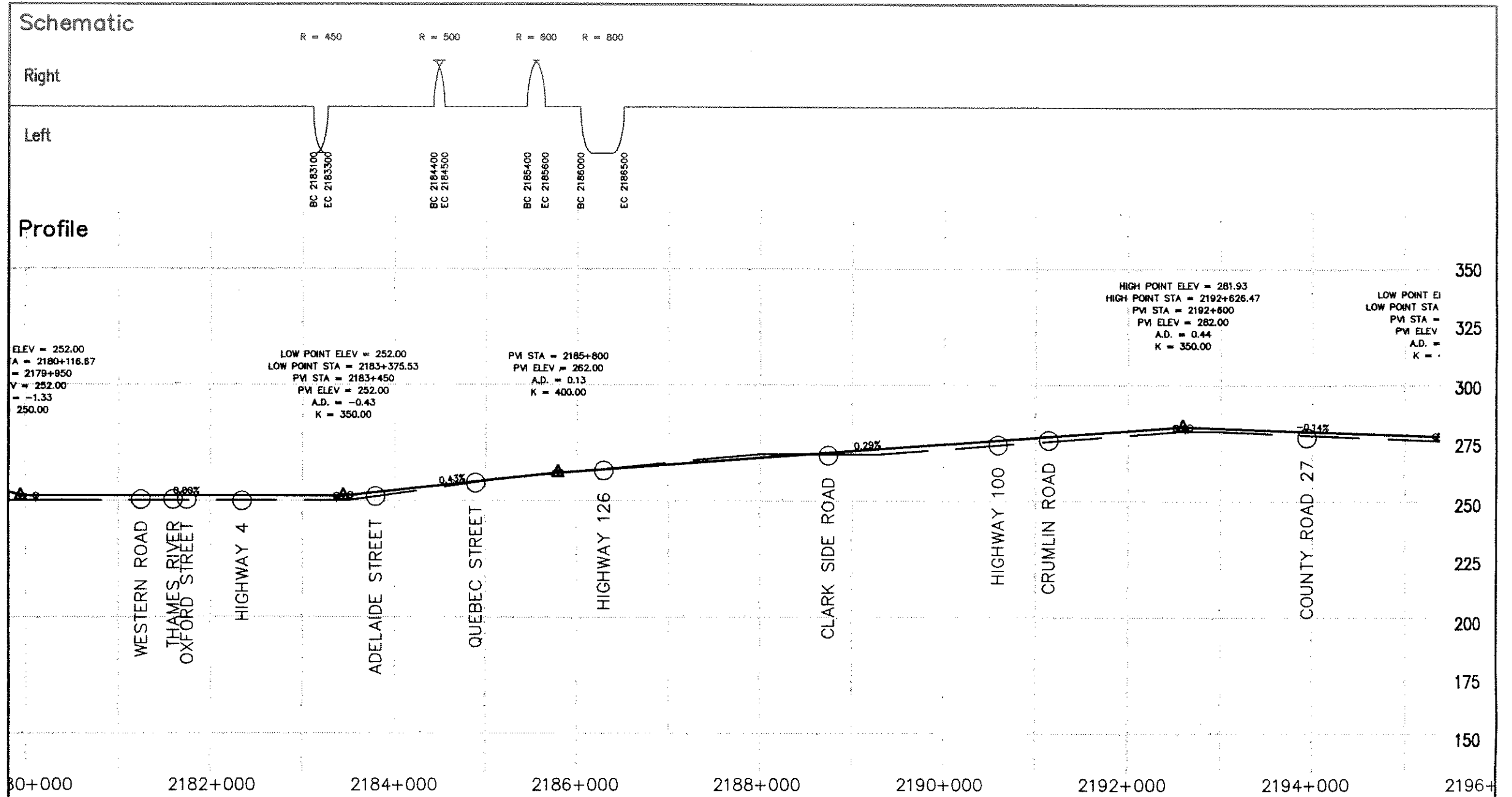
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-A0	SHEET: 12 OF 28

# Schematic

Right

Left

# Profile



**QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT**  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WT2-B0

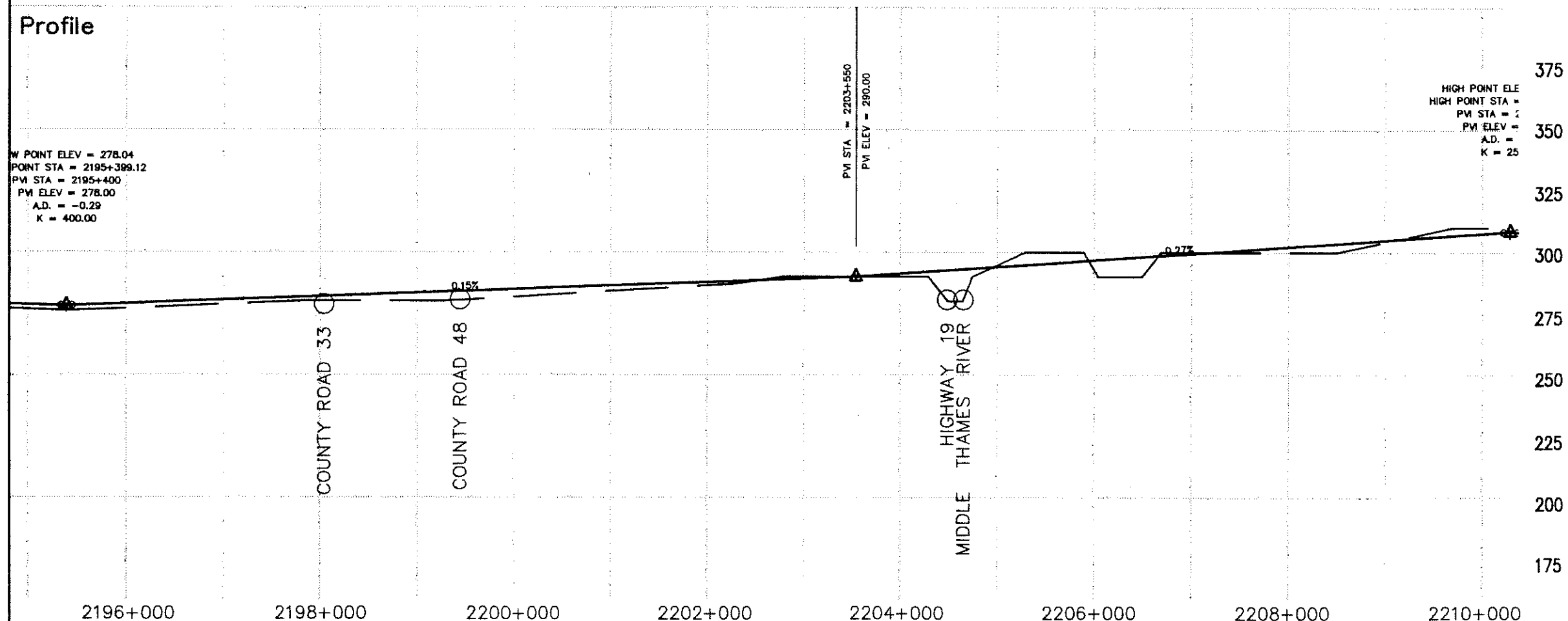
DATE: MAY/93  
 REVISION:  
 SHEET: 13 OF 28

# Schematic

Right

Left

## Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WT2-B0

DATE: MAY/93  
 REVISION:  
 SHEET: 14 OF 28

Schematic

R = 7000

Right

Left

Profile

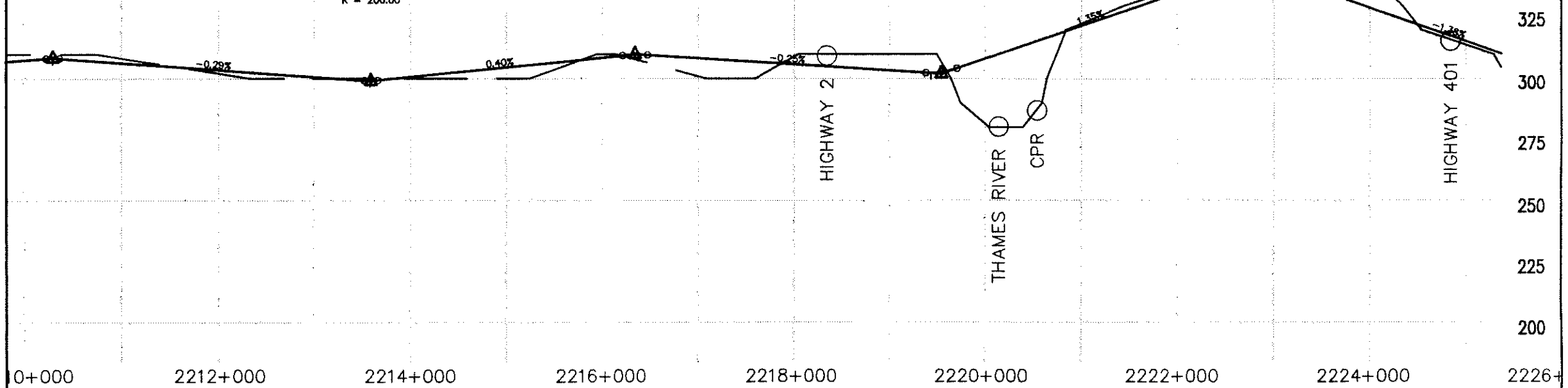
POINT ELEV = 308.40  
 INT STA = 2210+298.27  
 M STA = 2210+300  
 PVI ELEV = 308.50  
 A.D. = 0.56  
 K = 250.00

LOW POINT ELEV = 299.12  
 LOW POINT STA = 2213+588.79  
 PVI STA = 2213+600  
 PVI ELEV = 299.00  
 A.D. = -0.69  
 K = 200.00

HIGH POINT ELEV = 309.80  
 HIGH POINT STA = 2216+380  
 PVI STA = 2216+350  
 PVI ELEV = 310.00  
 A.D. = 0.85  
 K = 400.00

LOW POINT ELEV = 302.34  
 LOW POINT STA = 2219+439.62  
 PVI STA = 2219+550  
 PVI ELEV = 302.00  
 A.D. = -1.60  
 K = 200.00

HIGH POINT ELEV = 344.13  
 HIGH POINT STA = 2222+798.92  
 PVI STA = 2222+800  
 PVI ELEV = 346.00  
 A.D. = 2.74  
 K = 200.00



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-B0	SHEET: 15 OF 28

Schematic

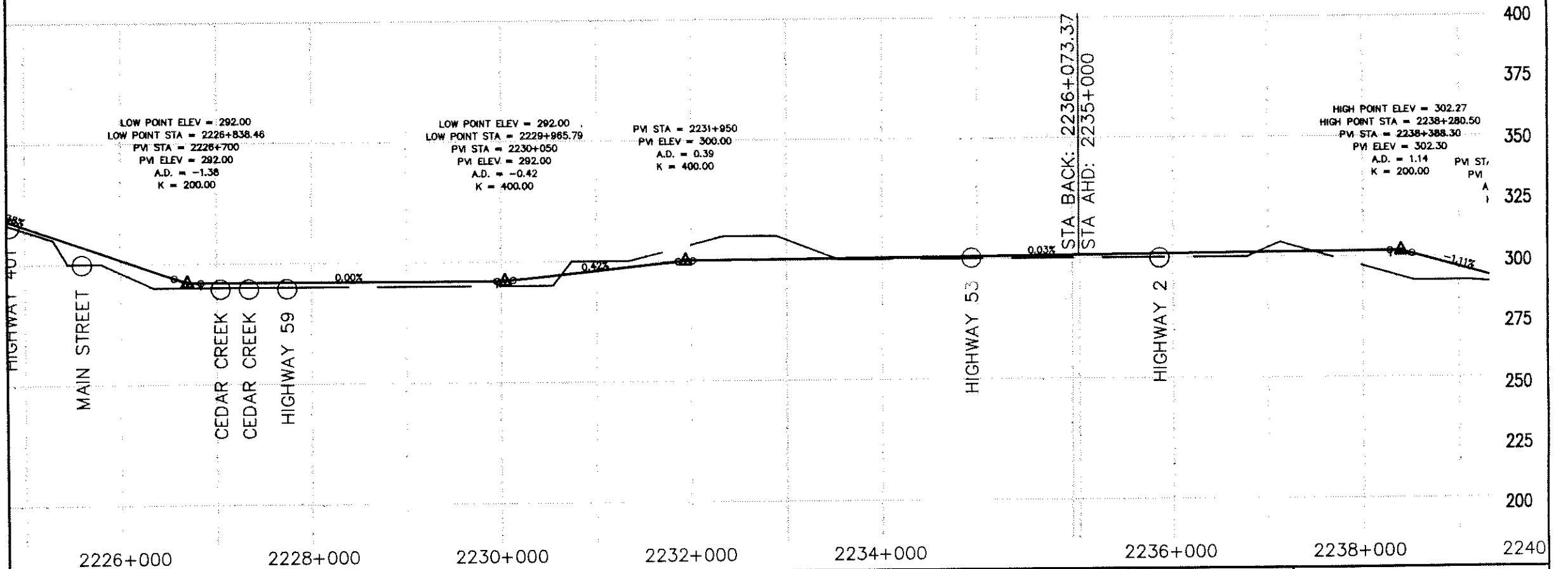
R = 7000

R = 7000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000

DATE: MAY/93  
 REVISION:  
 SHEET: 16 OF 28

SEGMENT CODE: WT2-B0



Schematic

R = 6000

Right

Left

BC 2248700

EC 2252800

BC 2253500

Profile

302.27  
B+280.50  
28.30  
30

PVI STA = 2239+588.30  
PVI ELEV = 289.00  
A.D. = -0.78  
K = 300.00

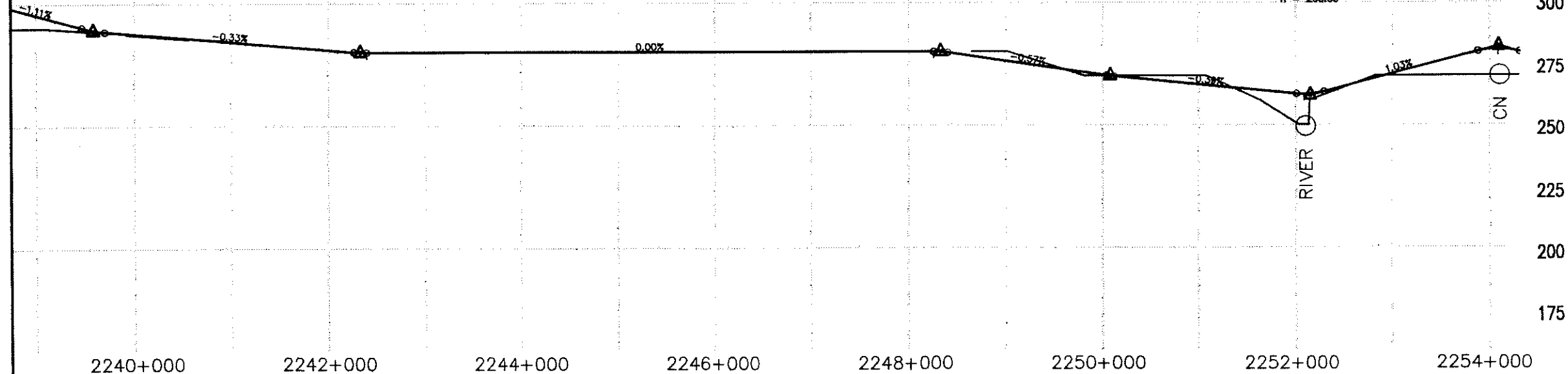
LOW POINT ELEV = 280.00  
LOW POINT STA = 2242+403.76  
PVI STA = 2242+338.30  
PVI ELEV = 280.00  
A.D. = -0.33  
K = 400.00

HIGH POINT ELEV = 280.00  
HIGH POINT STA = 2248+268.87  
PVI STA = 2248+338.30  
PVI ELEV = 280.00  
A.D. = 0.57  
K = 250.00

PVI STA = 2250+088.30  
PVI ELEV = 270.00  
A.D. = -0.18  
K = 400.00

LOW POINT ELEV = 262.40  
LOW POINT STA = 2252+074.76  
PVI STA = 2252+138.30  
PVI ELEV = 262.00  
A.D. = -1.42  
K = 200.00

HIGH POINT ELEV = 325  
HIGH POINT STA = 225  
PVI STA = 2254+0  
PVI ELEV = 282  
A.D. = 2.12  
K = 200.00



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-B0	SHEET: 17 OF 28

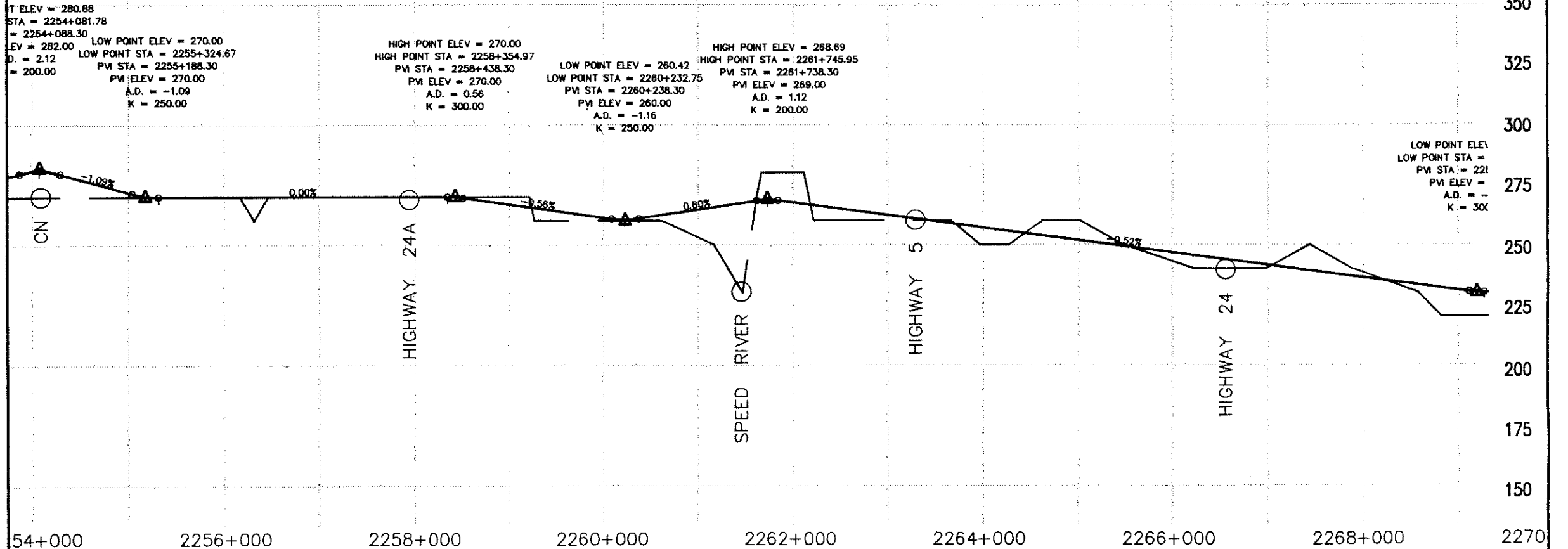
Schematic

R = 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-B0	SHEET: 18 OF 28

# Schematic

Right

Left

R = 10000

R = 10000

BC 2271900

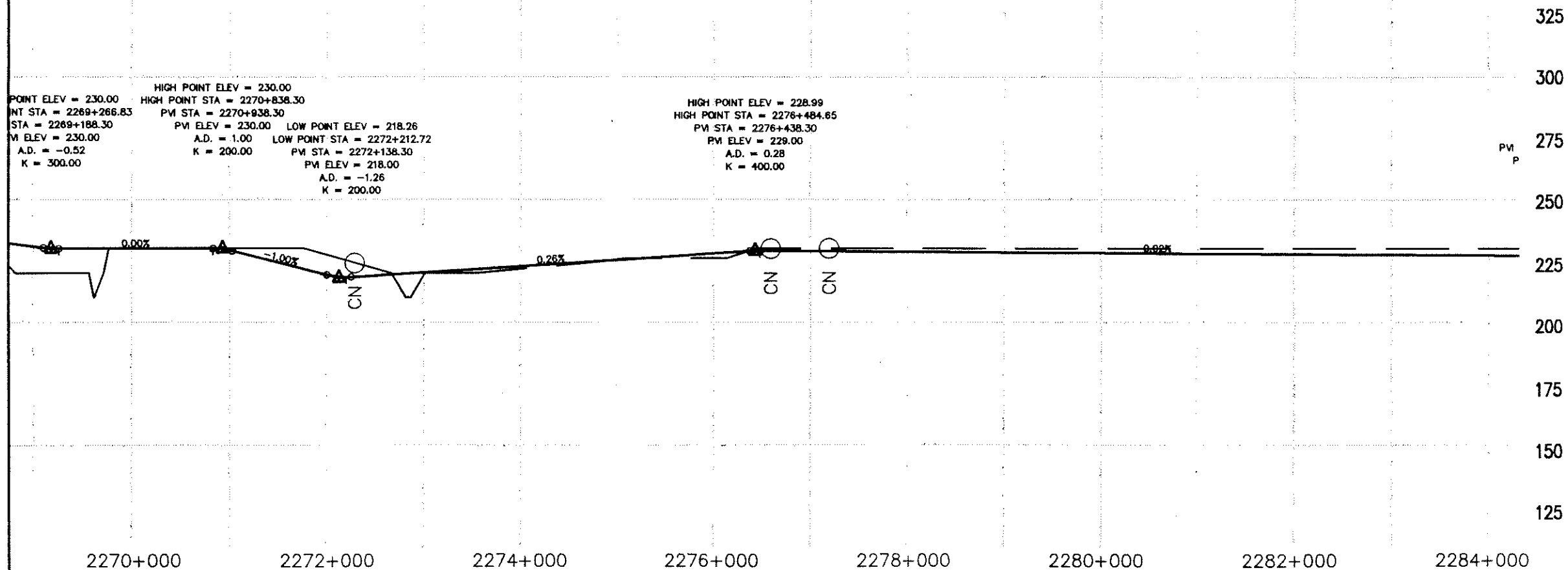
EC 2272900

BC 2274100

EC 2275400

BC 2284900

# Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000	DATE: MAY/93
VER: 1:2000	REVISION:
SEGMENT CODE: WT2-B0	SHEET: 19 OF 28

Schematic

R = 6000

R = 6000

R = 6000

Right

Left

BC 2284900

EC 2287100

BC 2294200

EC 2296600

BC 2297200

Profile  
 PVI STA = 2284+738.30  
 PVI ELEV = 227.00  
 A.D. = 0.95  
 K = 300.00

PVI STA = 2294+738.30  
 PVI ELEV = 130.00  
 A.D. = -0.53  
 K = 300.00

HIGHWAY 52

CNR

CNR

YORK ROAD

GUELPH ROAD  
 CNR

LC  
 LOW  
 F

84+000

2286+000

2288+000

2290+000

2292+000

2294+000

2296+000

2298+000

2300

250

225

200

175

150

125

100

75

50

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000

VER: 1:2000

SEGMENT CODE: WT2-B0

DATE: MAY/93

REVISION:

SHEET: 20 OF 28

Schematic

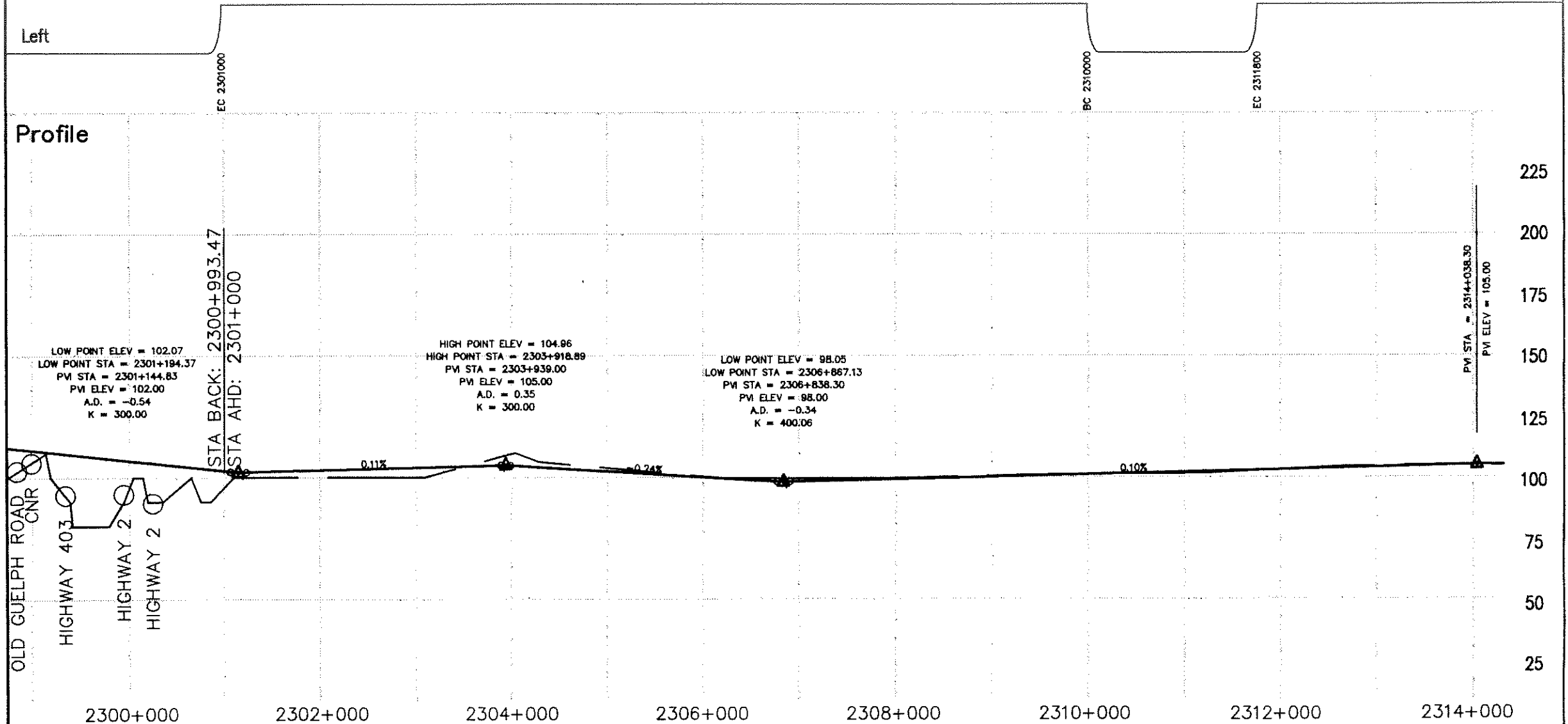
R = 6000

R = 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000	DATE: MAY/93
VER: 1:2000	REVISION:
SEGMENT CODE: WT2-C0	SHEET: 21 OF 28

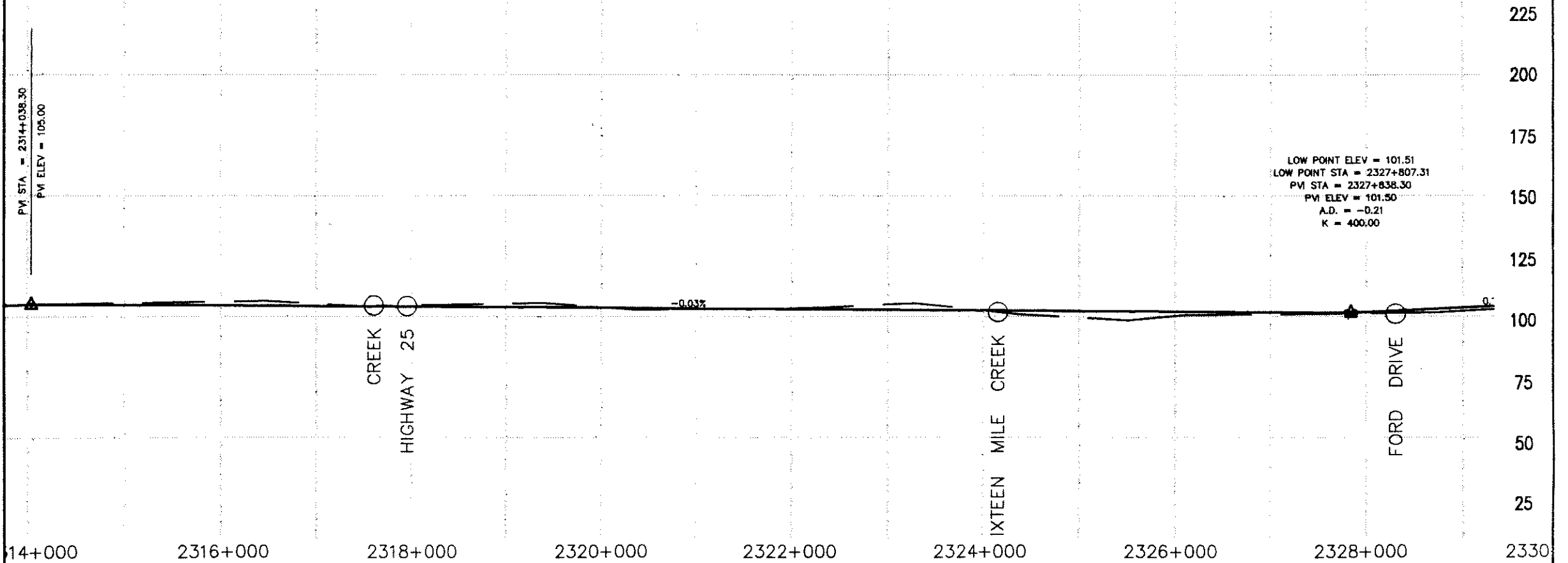
Schematic

R = 8000

Right

Left

Profile



PVI STA = 2314+038.30  
PVI ELEV = 105.00

LOW POINT ELEV = 101.51  
LOW POINT STA = 2327+807.31  
PVI STA = 2327+838.30  
PVI ELEV = 101.50  
A.D. = -0.21  
K = 400.00

CREEK  
HIGHWAY 25

IXTEEN MILE CREEK

FORD DRIVE

2314+000 2316+000 2318+000 2320+000 2322+000 2324+000 2326+000 2328+000 2330

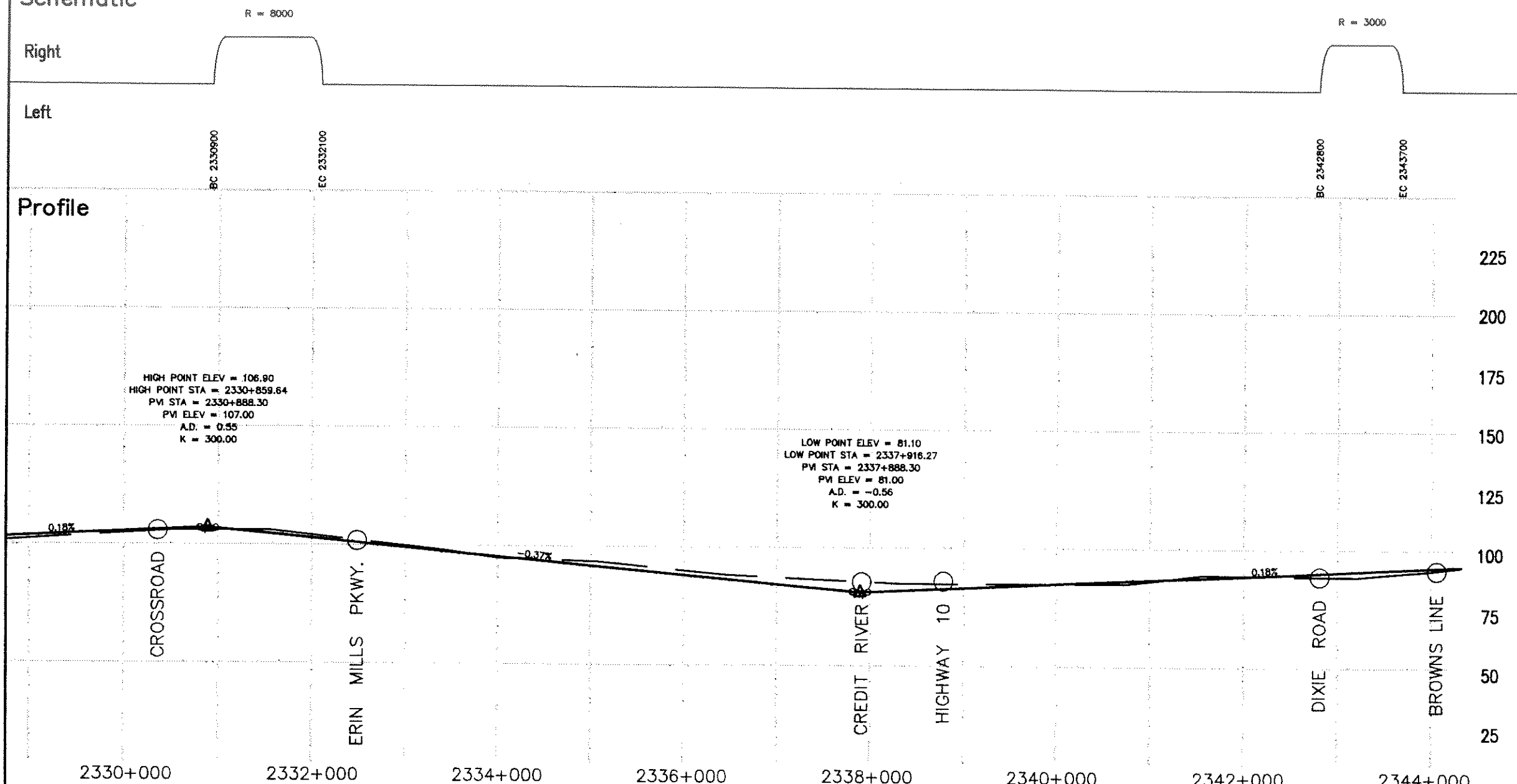
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-C0	SHEET: 22 OF 28

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
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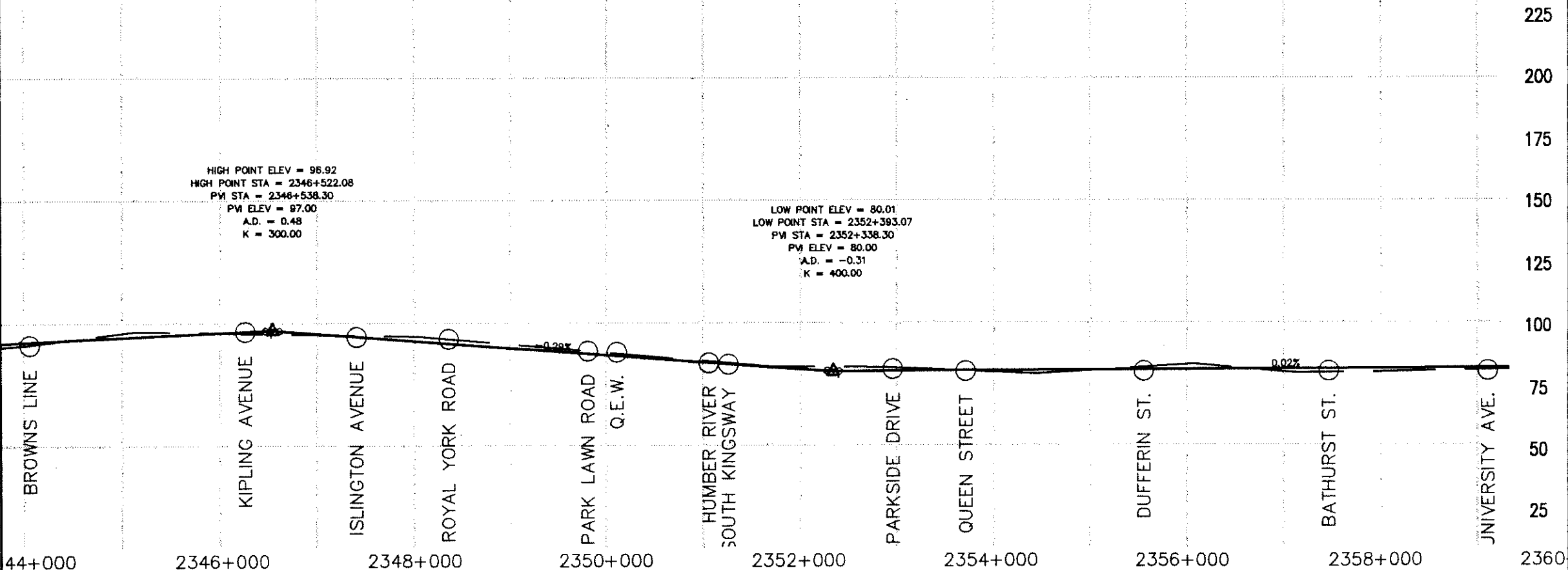
Schematic

Right

Left

R = 3500                      R = 1400                      R = 1400                      R = 1000                      R = 500    R = 500

Profile



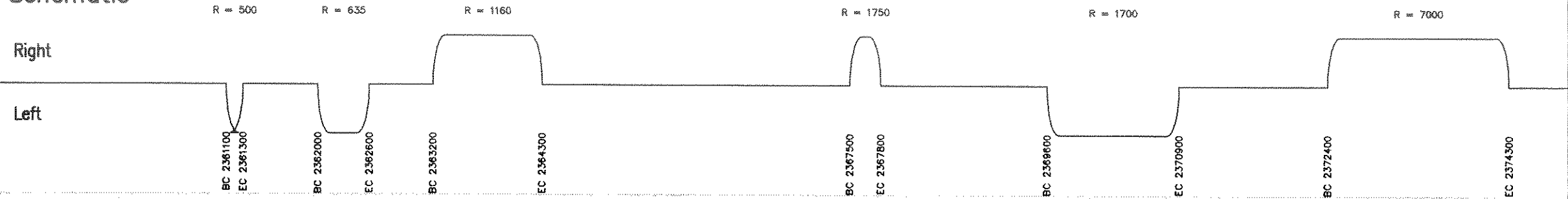
HIGH POINT ELEV = 98.92  
 HIGH POINT STA = 2346+522.08  
 PVI STA = 2348+538.30  
 PVI ELEV = 97.00  
 A.D. = 0.48  
 K = 300.00

LOW POINT ELEV = 80.01  
 LOW POINT STA = 2352+393.07  
 PVI STA = 2352+338.30  
 PVI ELEV = 80.00  
 A.D. = -0.31  
 K = 400.00

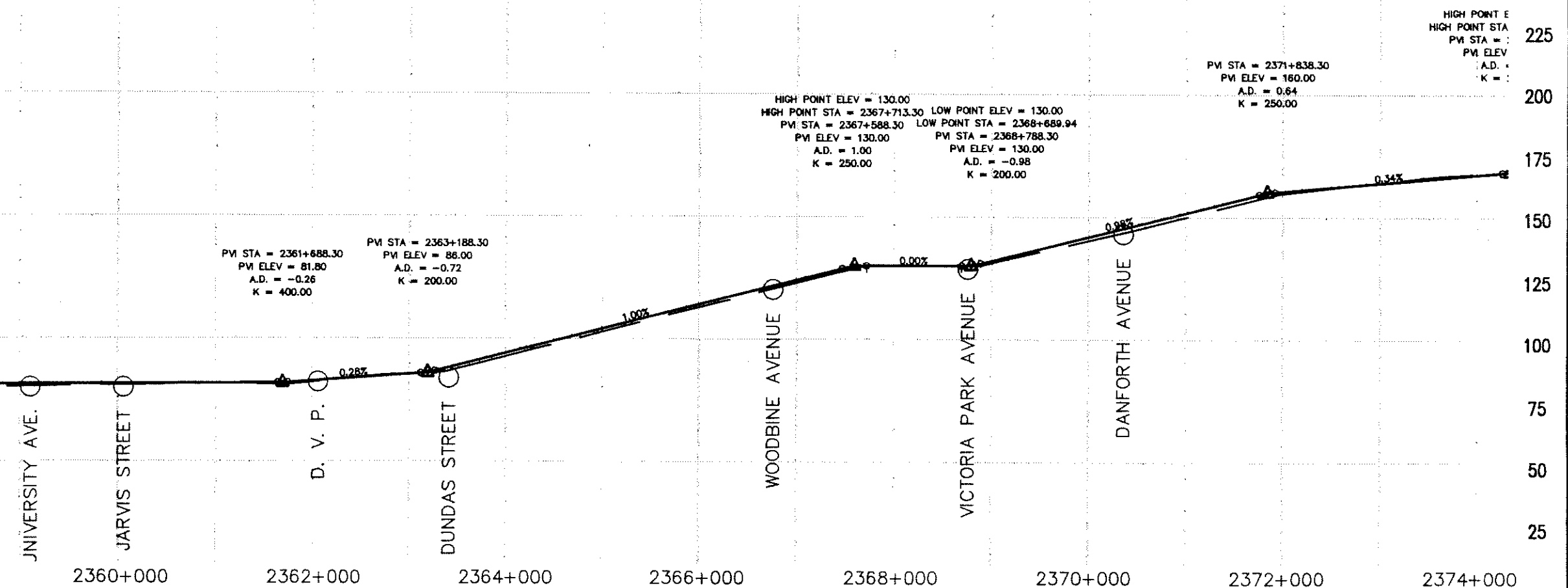
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT2-CO	SHEET: 24 OF 28



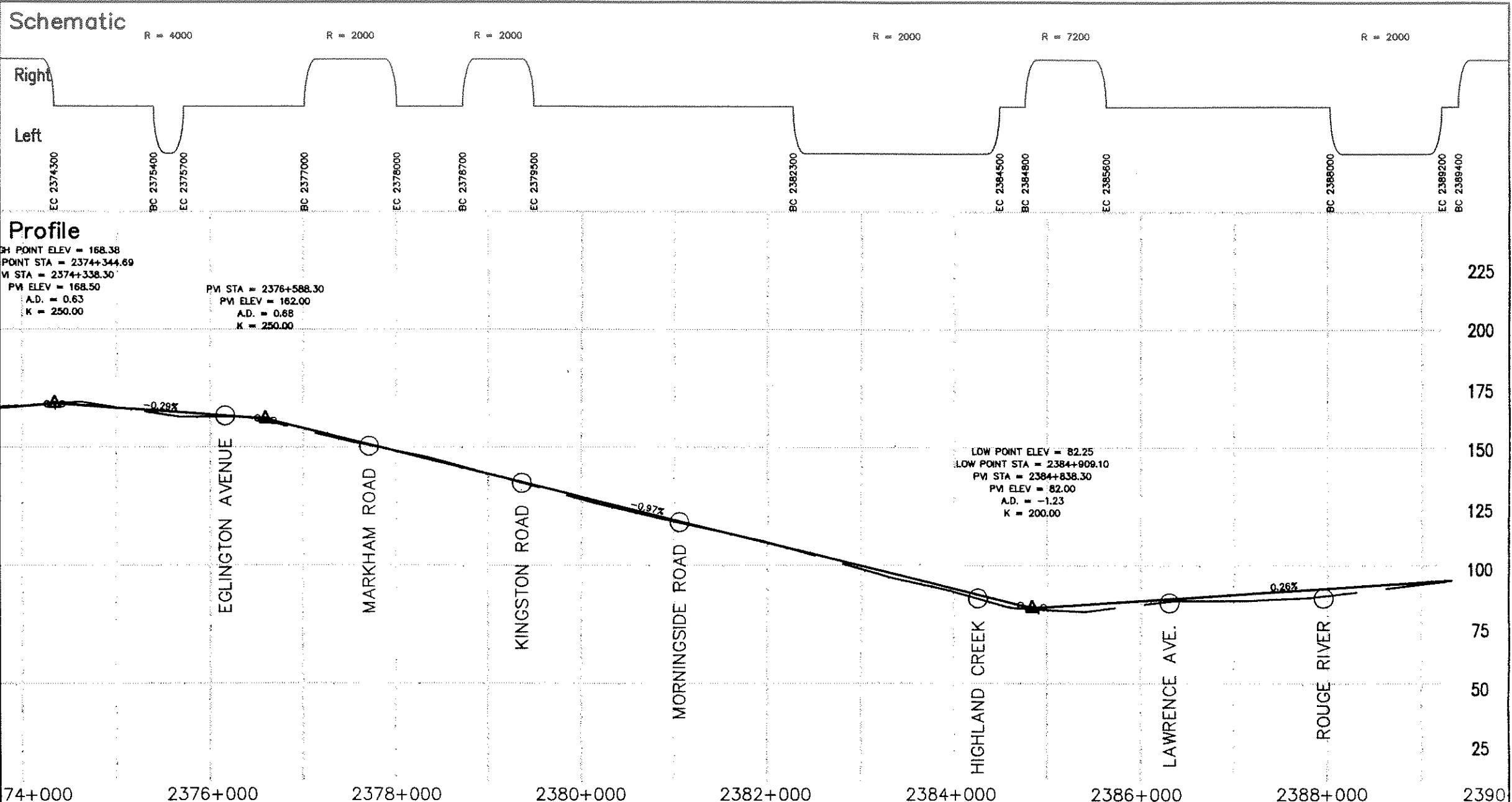
# Schematic



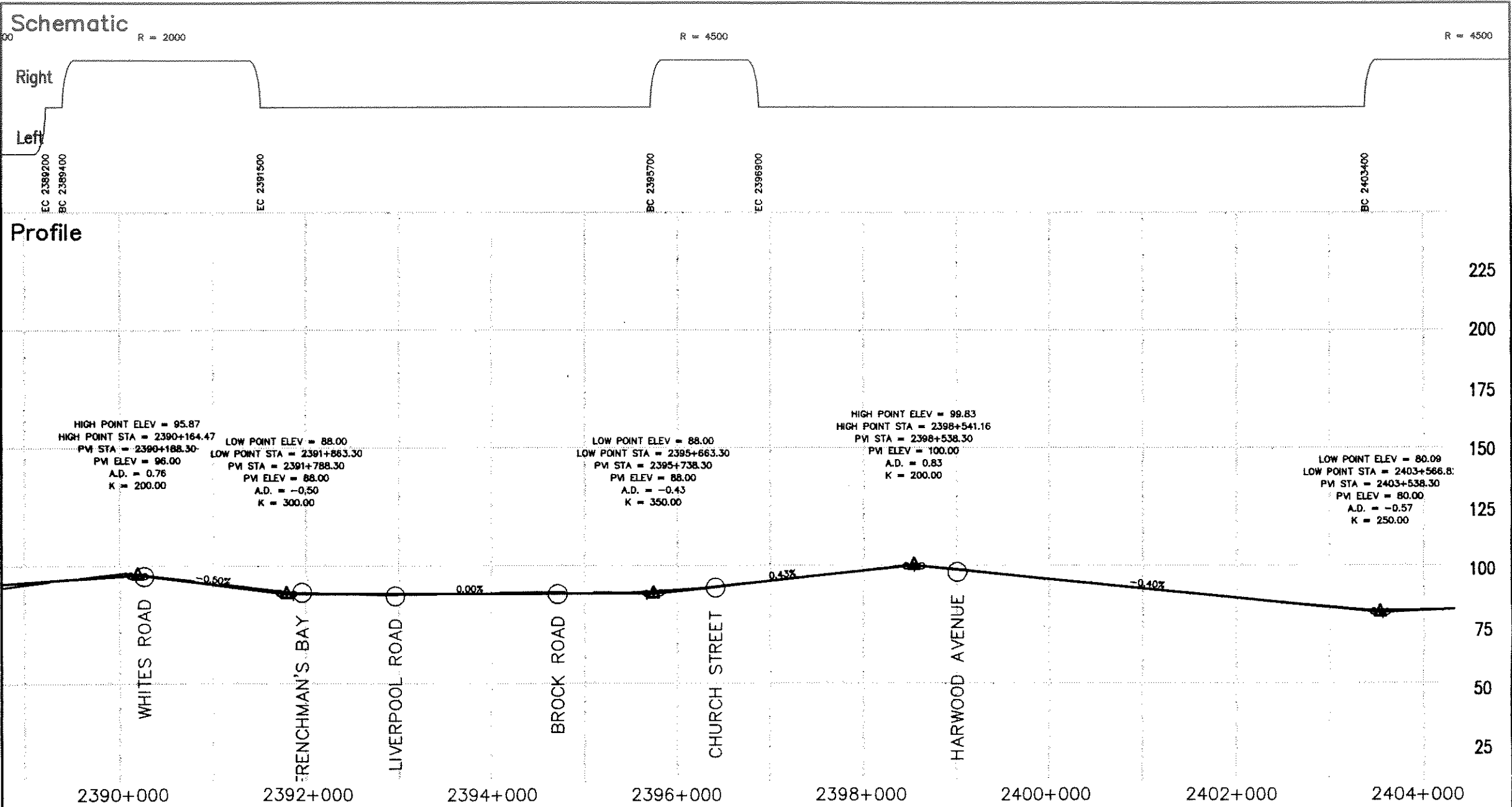
# Profile



<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>200km/h PLUS ON EXISTING ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TM2-A0	SHEET: 25 OF 28



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TM2-A0	SHEET: 26 OF 28



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TM2-A0	SHEET: 27 OF 28

# Schematic

R = 4500

R = 4500

R = 4500

R = 875

R = 1750

Right

Left

EC 2406600

BC 2406600

EC 2409400

BC 2412000

EC 2412900

BC 2415800

EC 2416700

BC 2417500

EC 2418900

# Profile

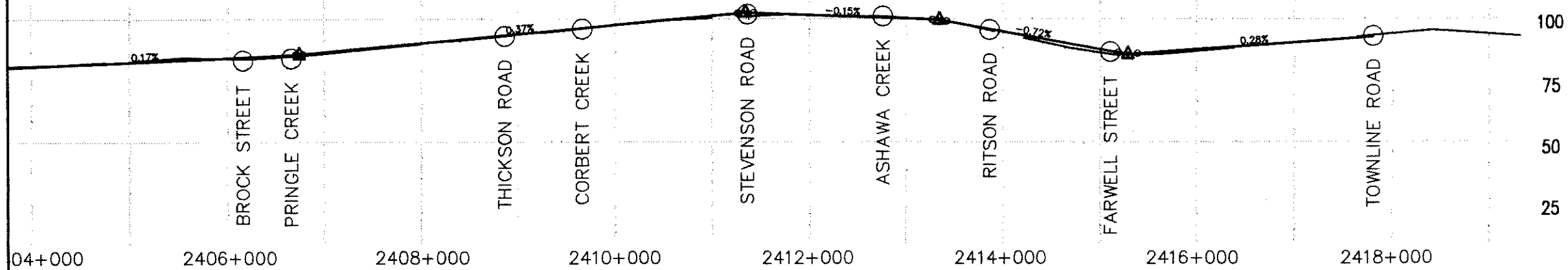
80.09  
403+566.82  
+538.30  
10.00  
57  
0

PVI STA = 2406+738.30  
PVI ELEV = 85.50  
A.D. = -0.20  
K = 400.00

HIGH POINT ELEV = 102.42  
HIGH POINT STA = 2411+371.24  
PVI STA = 2411+338.30  
PVI ELEV = 102.50  
A.D. = 0.52  
K = 300.00

PVI STA = 2413+338.30  
PVI ELEV = 99.50  
A.D. = 0.57  
K = 250.00

LOW POINT ELEV = 85.70  
LOW POINT STA = 2415+331.66  
PVI STA = 2415+288.30  
PVI ELEV = 85.50  
A.D. = -1.00  
K = 200.00

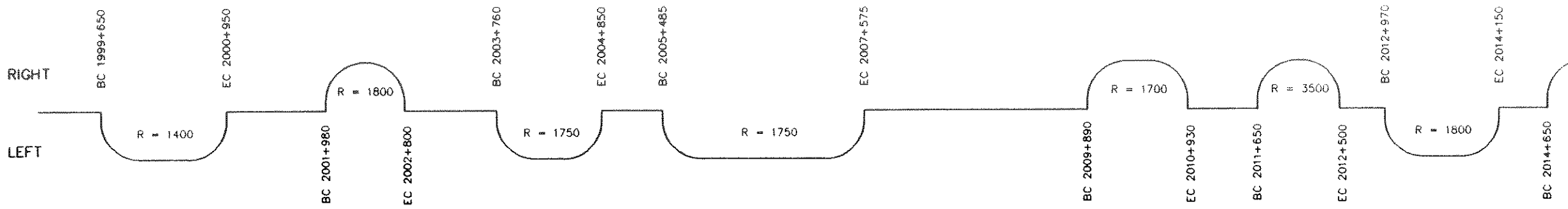


<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>200km/h PLUS ON EXISTING ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TM2-AD	SHEET: 28 OF 28

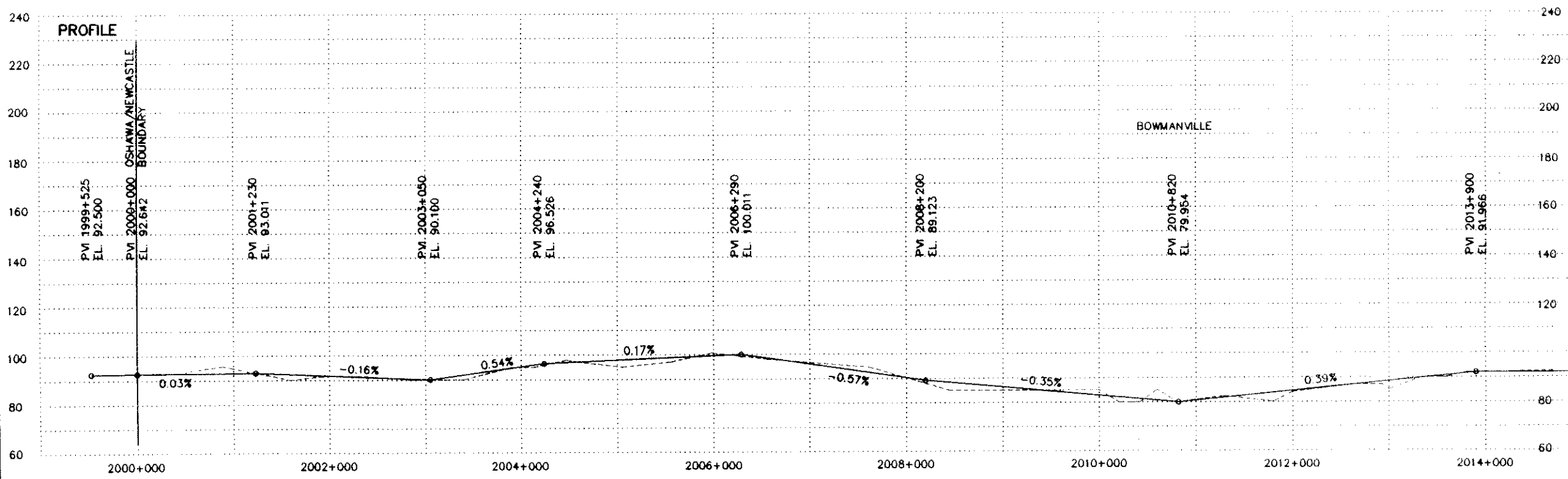
**200-250 KPH TILTING TECHNOLOGY**

**OSHAWA - RICHMOND**

PLAN - SCHEMATIC

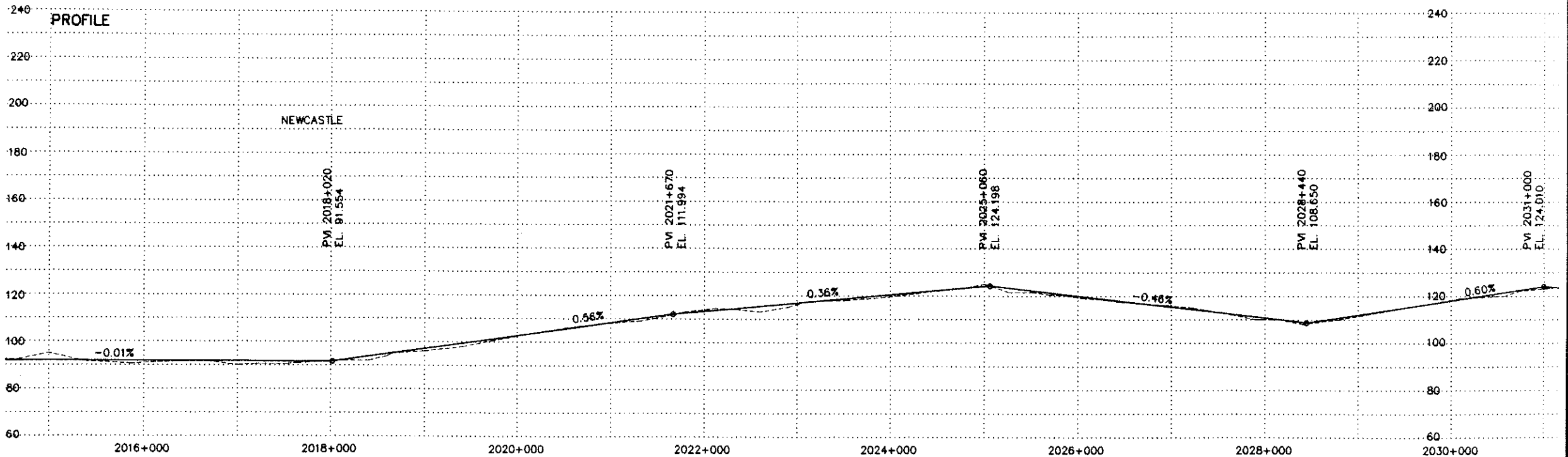
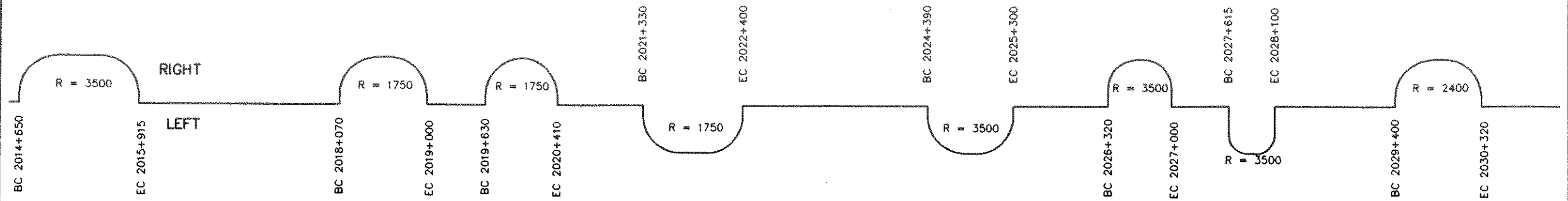


PROFILE



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph TECHNOLOGY ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION: MAY/93
		SEGMENT CODE: TM2-B0	SHEET 1 OF 23

PLAN - SCHEMATIC

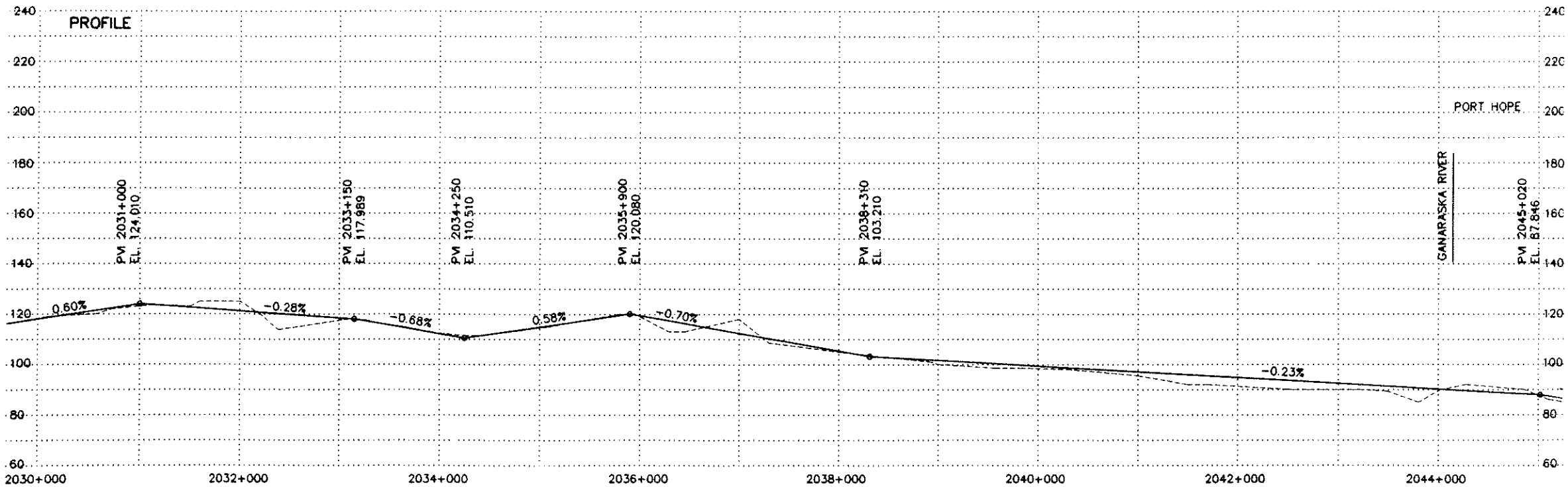
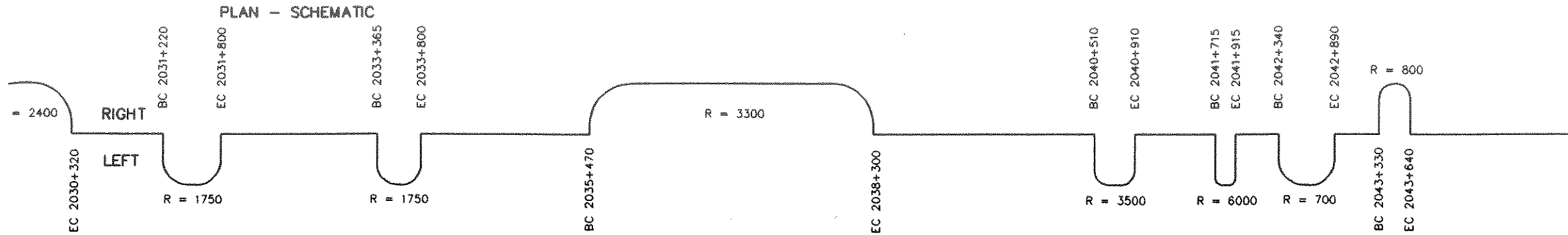


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 2 OF 23



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

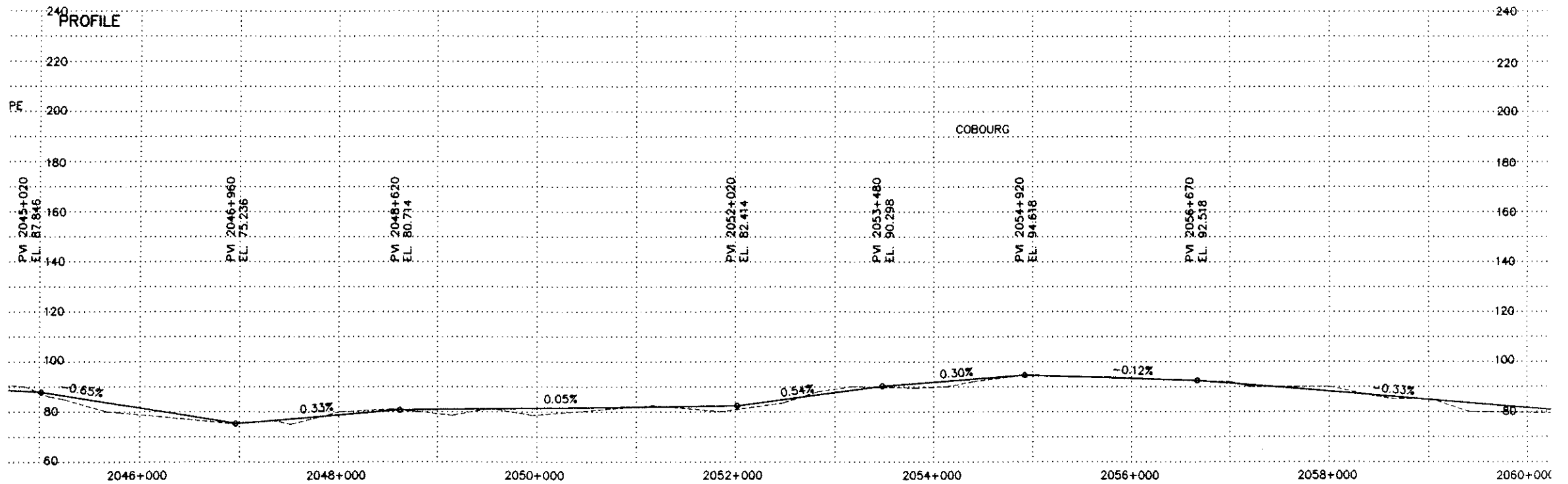
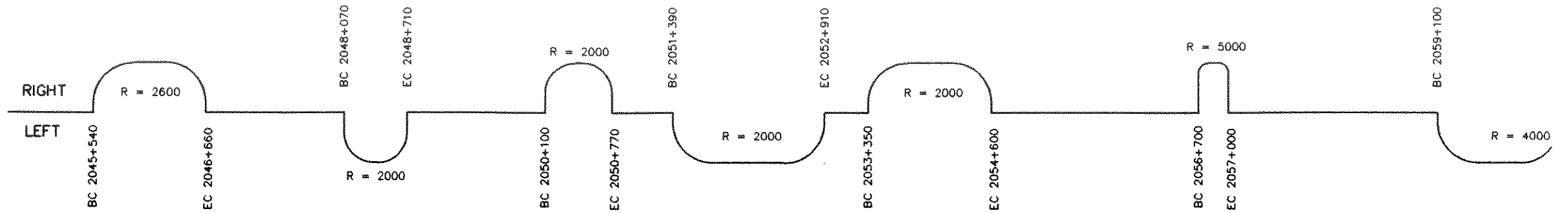
200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1: 50 000  
 VER. 1: 2000  
 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 3 OF 23



PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

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 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 4 OF 23

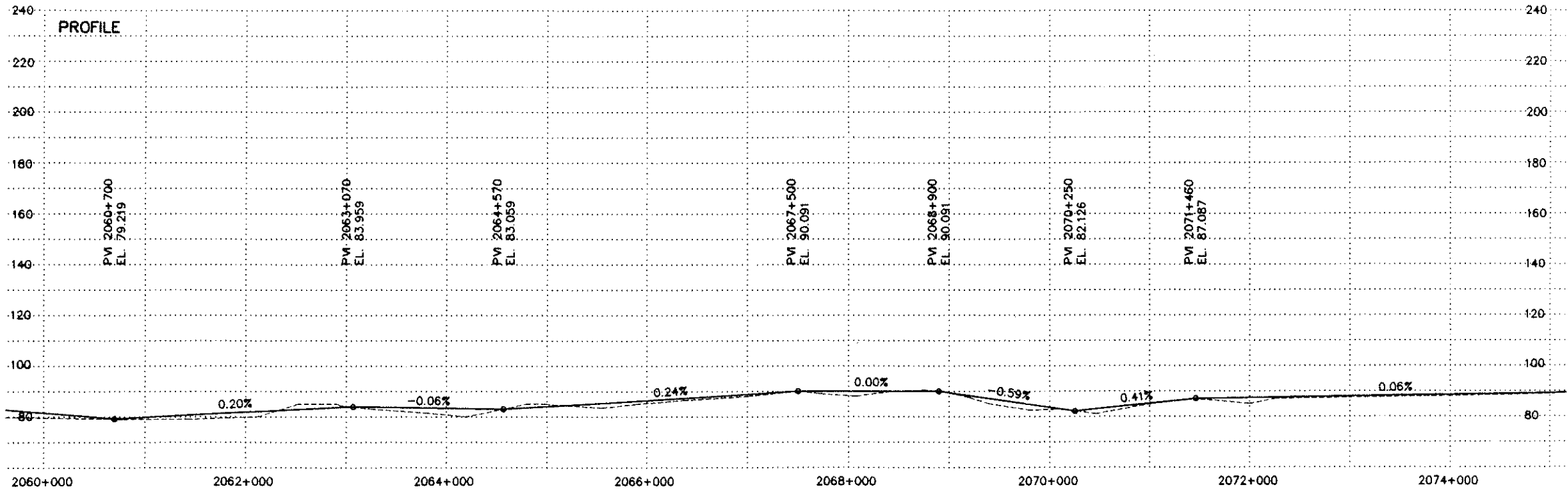
PLAN - SCHEMATIC

EC 2060+330

RIGHT

R = 4000

LEFT



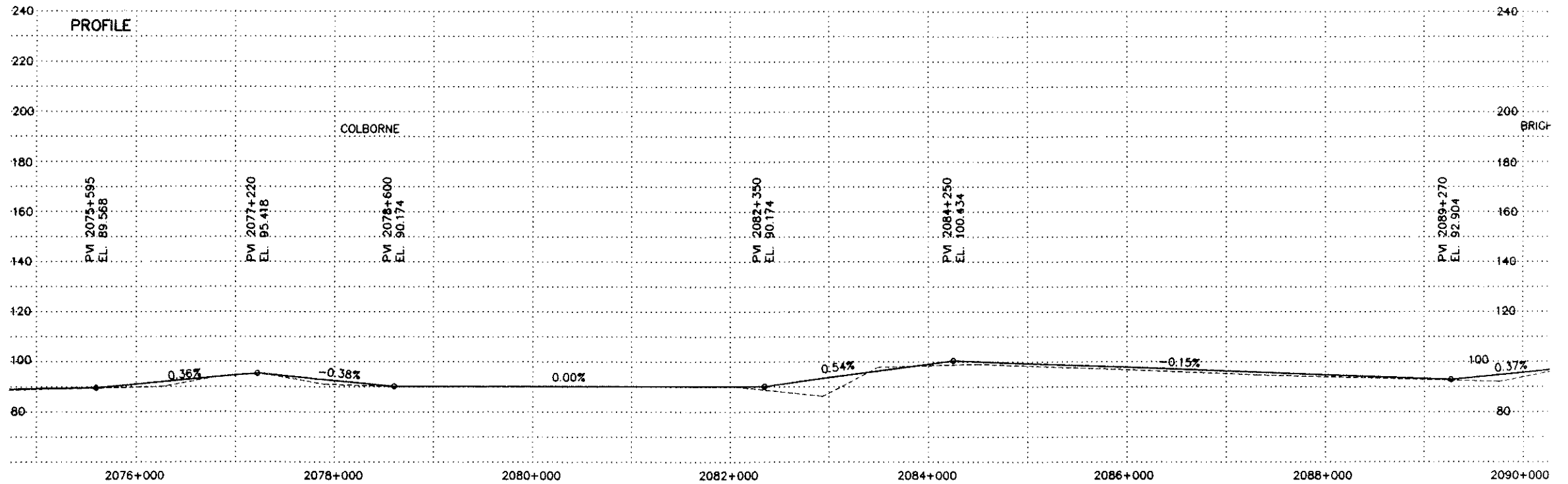
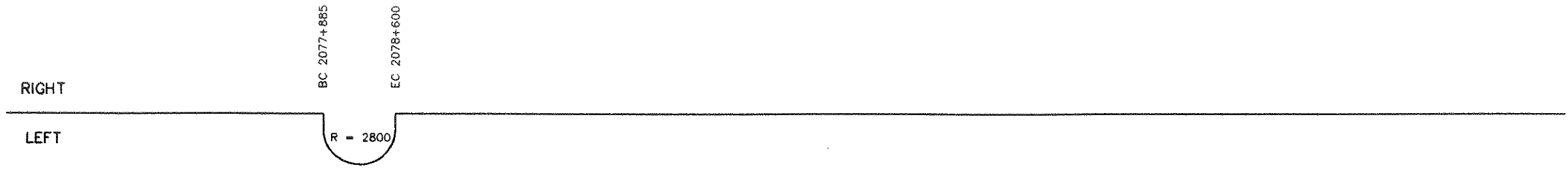
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 5 OF 23

PLAN - SCHEMATIC



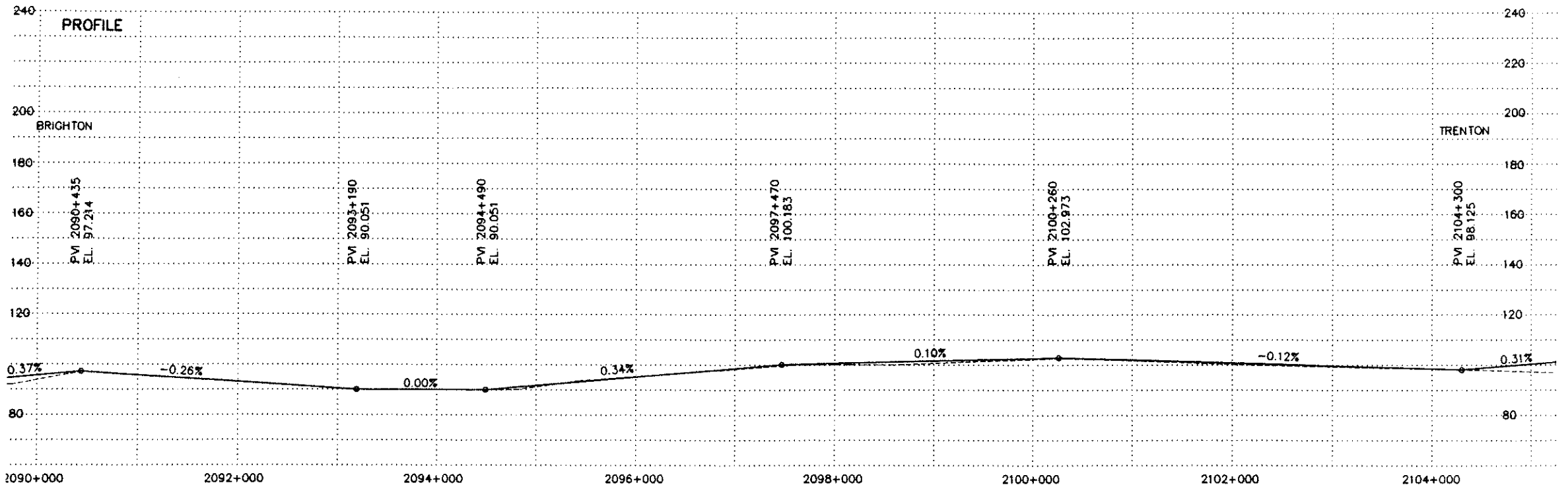
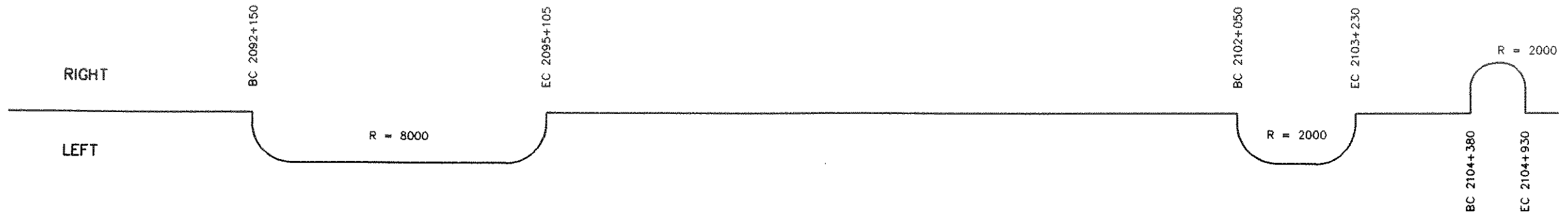
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 6 OF 23

PLAN - SCHEMATIC



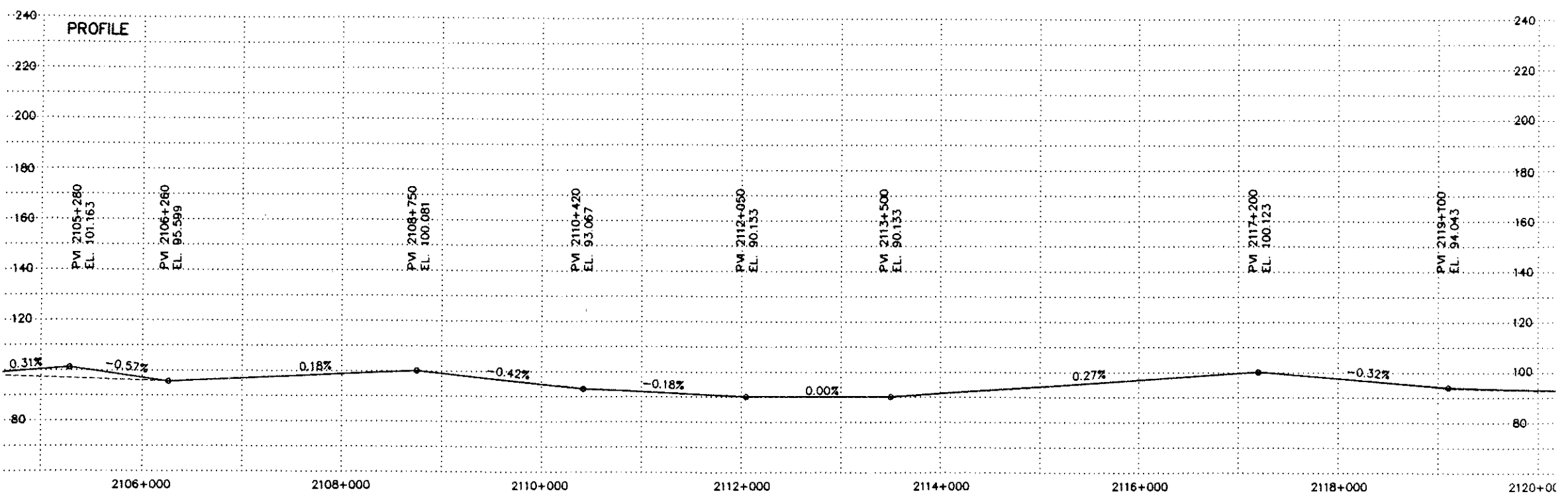
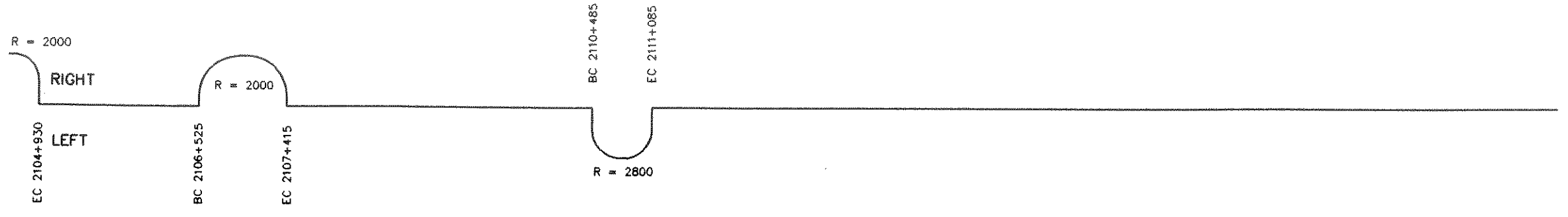
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1: 50 000  
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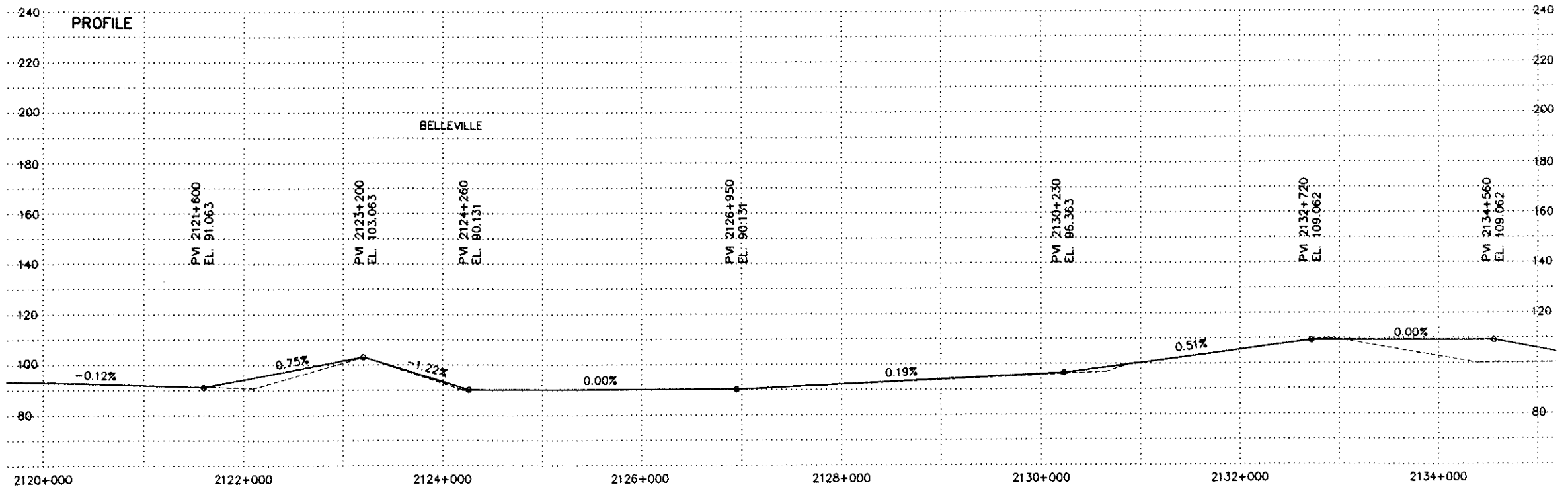
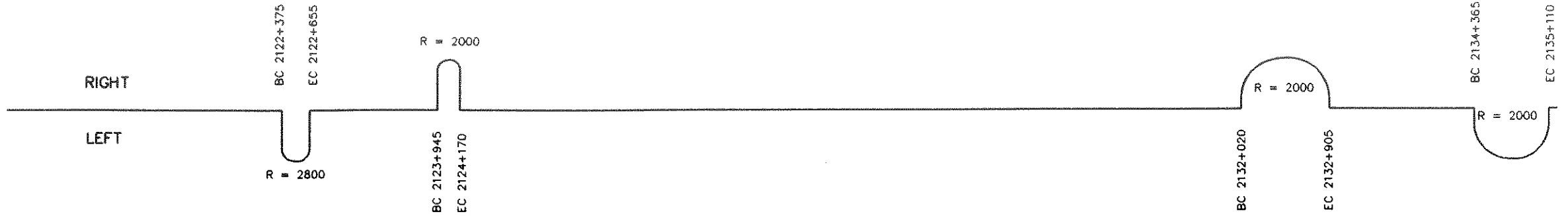
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 REVISION: MAR/93  
 SHEET 7 OF 23

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph TECHNOLOGY ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1: 50 000	DATE: MAR/93
		VER. 1: 2000	REVISION: MAR/93
		SEGMENT CODE: TM2-B0	SHEET 8 OF 23

PLAN - SCHEMATIC



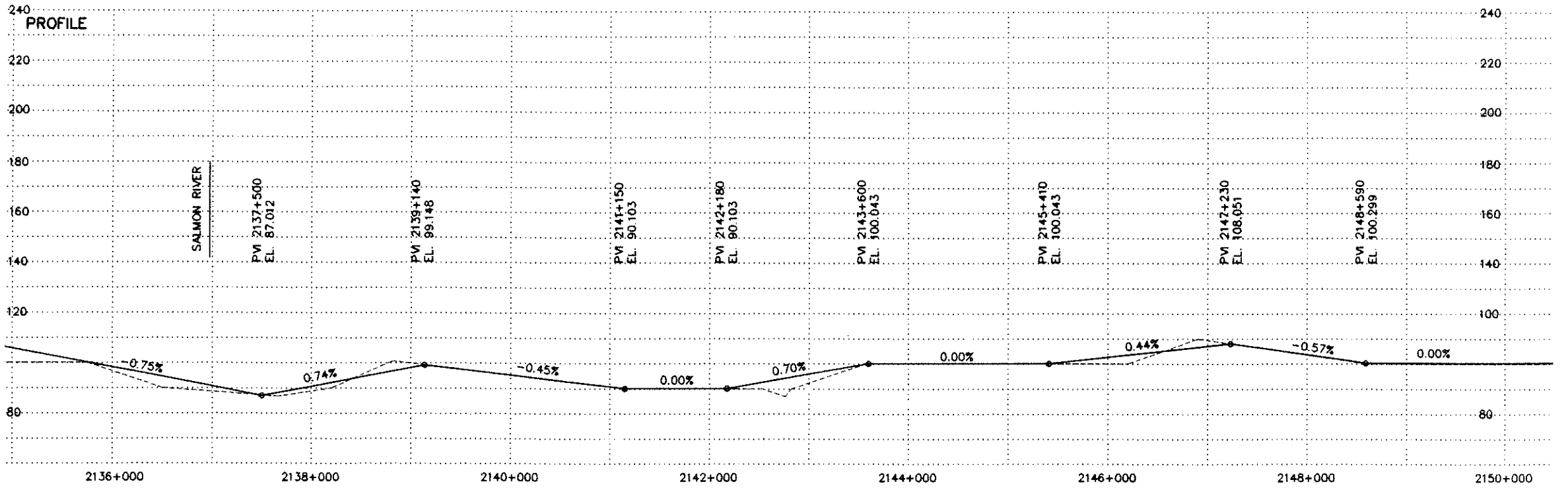
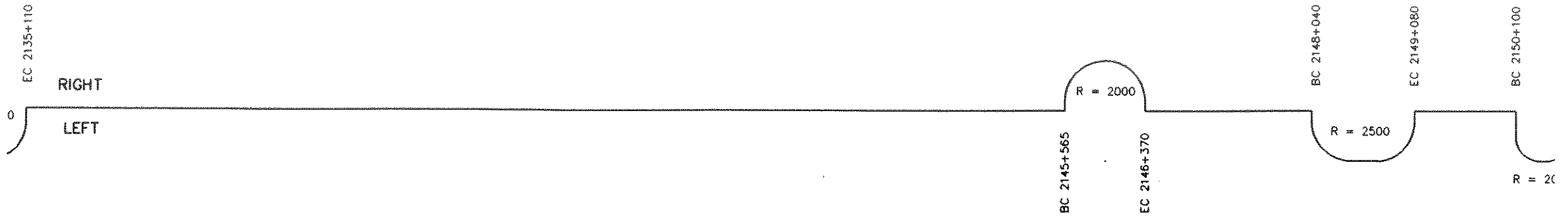
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 9 OF 23

PLAN - SCHEMATIC



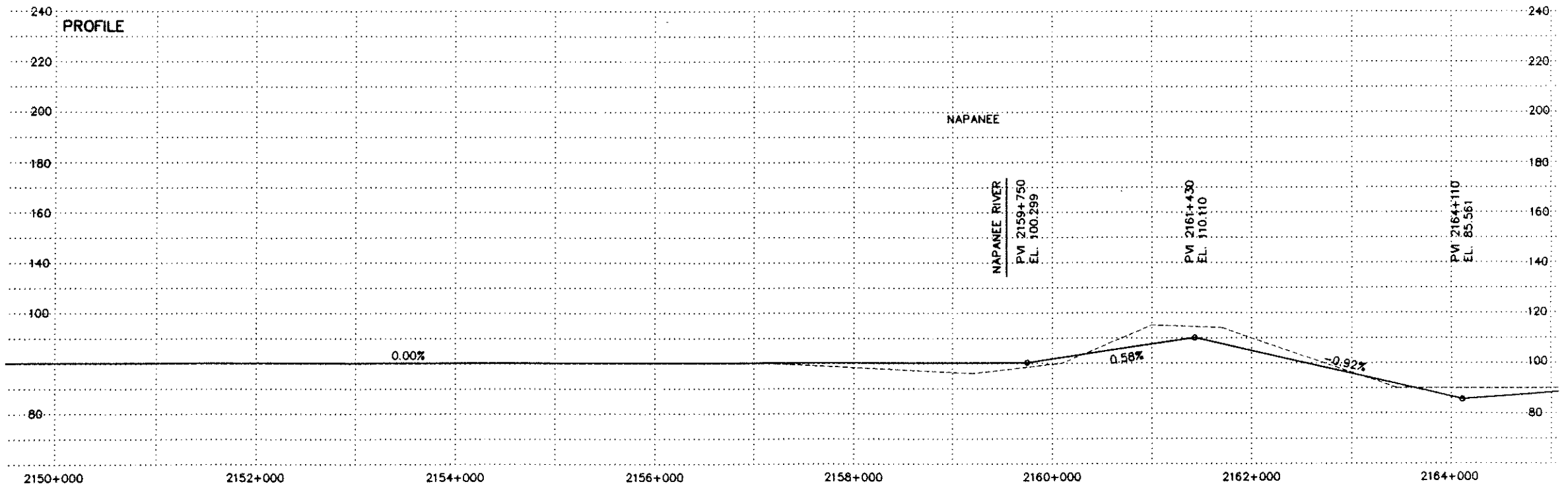
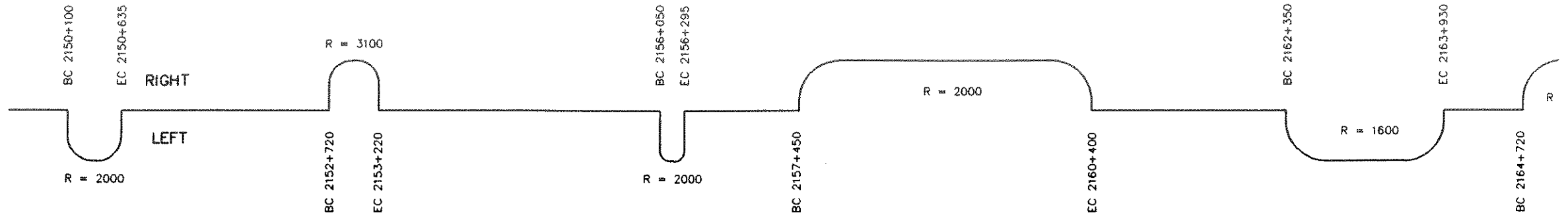
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 10 OF 23

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

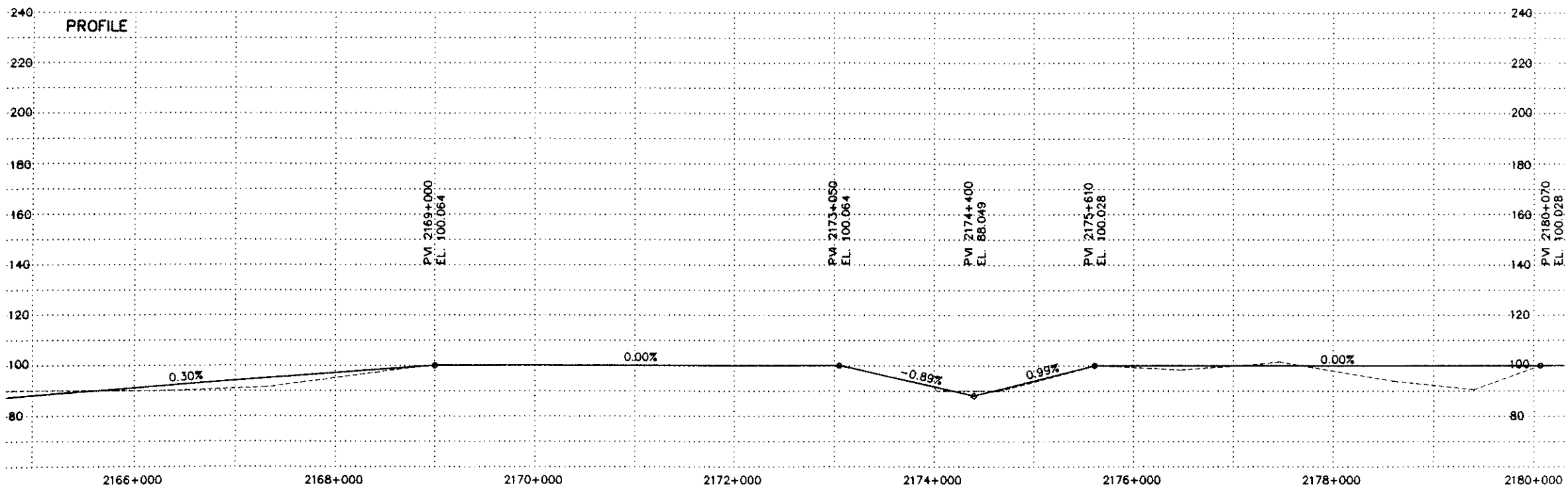
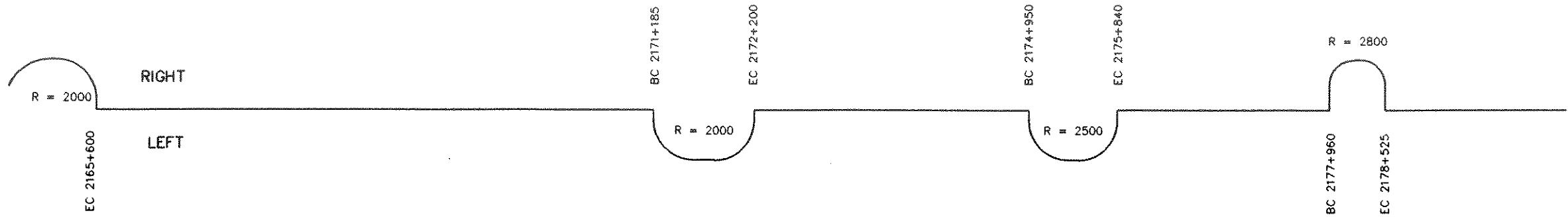
200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 11 OF 23

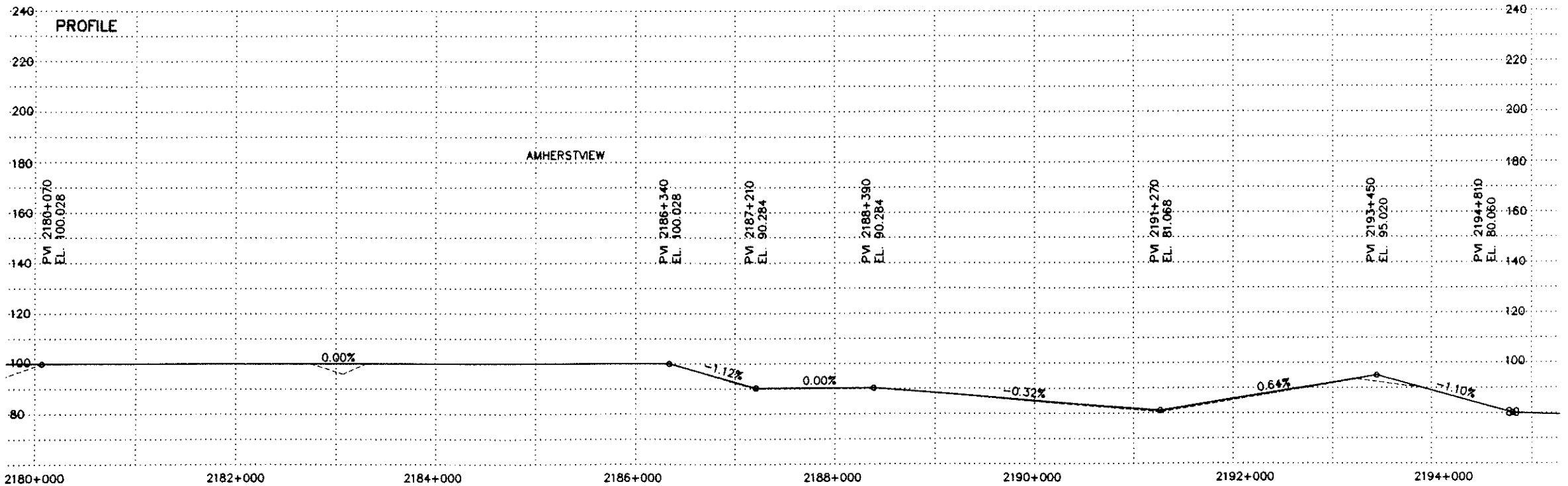
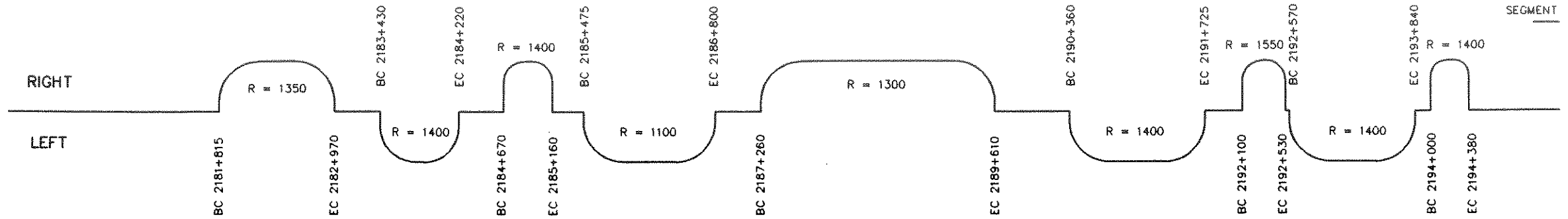


PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph TECHNOLOGY ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1: 50 000	DATE: MAR/93
		VER. 1: 2000	REVISION: MAR/93
		SEGMENT CODE: TM2-B0	SHEET 12 OF 23

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

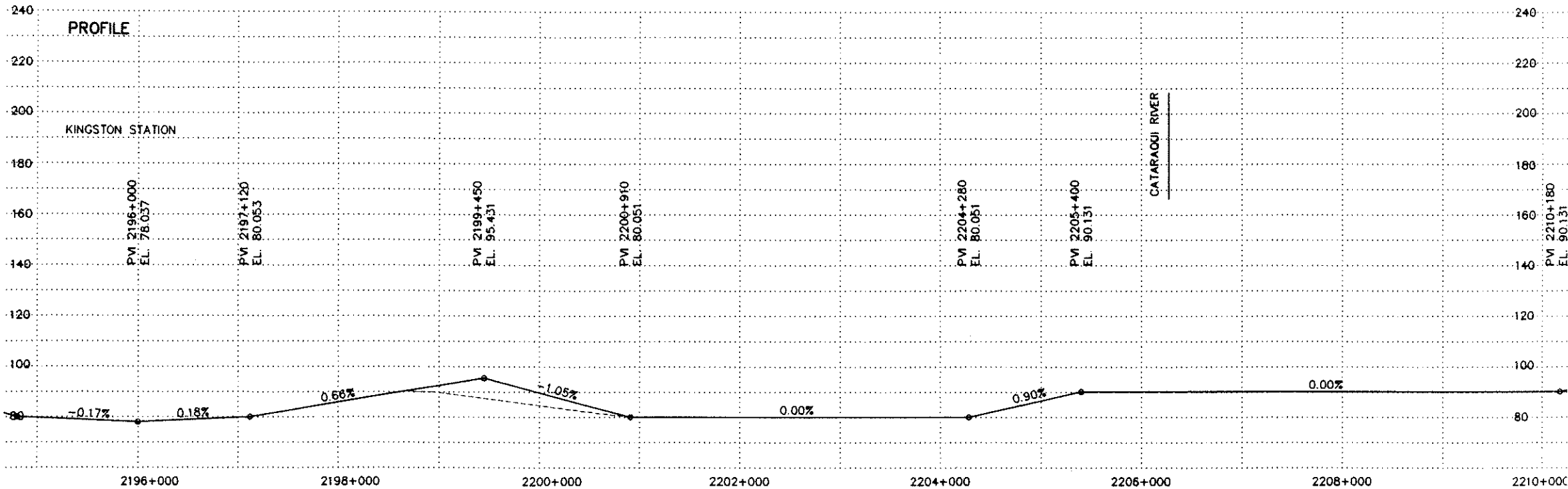
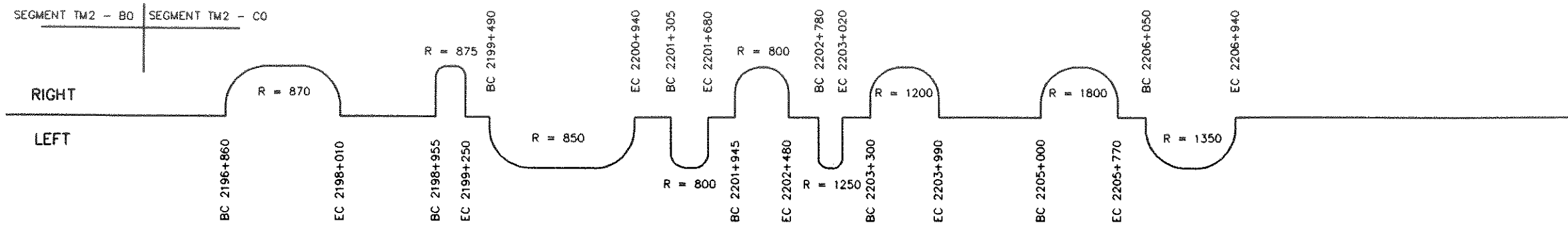
200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM2-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 13 OF 23

PLAN - SCHEMATIC

SEGMENT TM2 - B0 | SEGMENT TM2 - C0



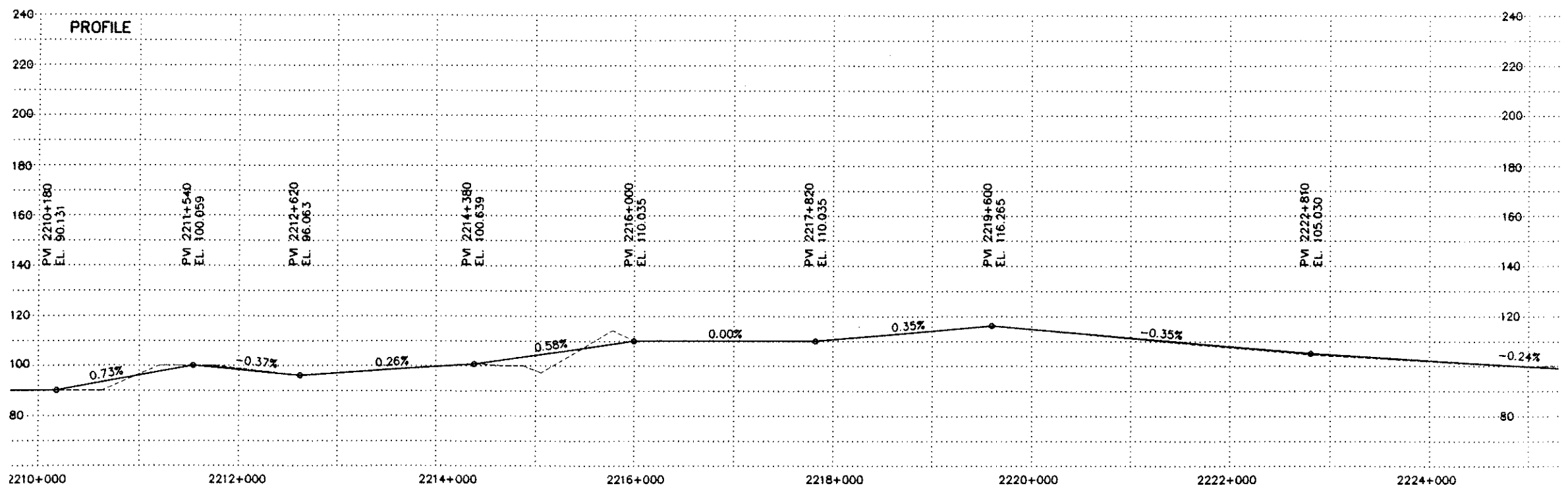
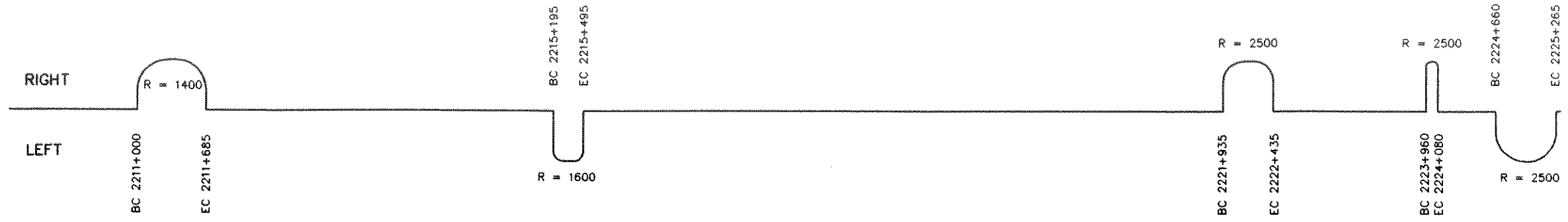
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

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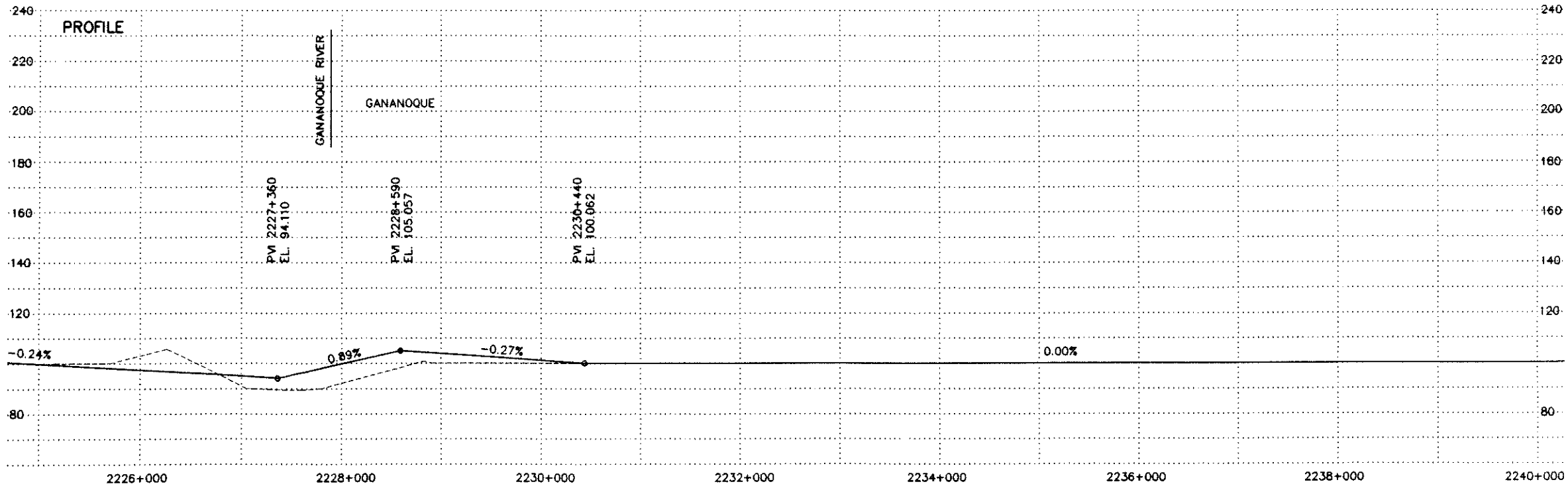
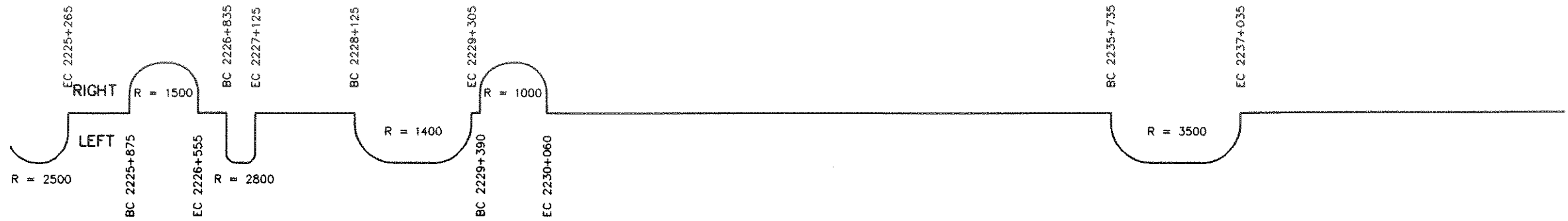
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 SHEET 14 OF 23

PLAN - SCHEMATIC



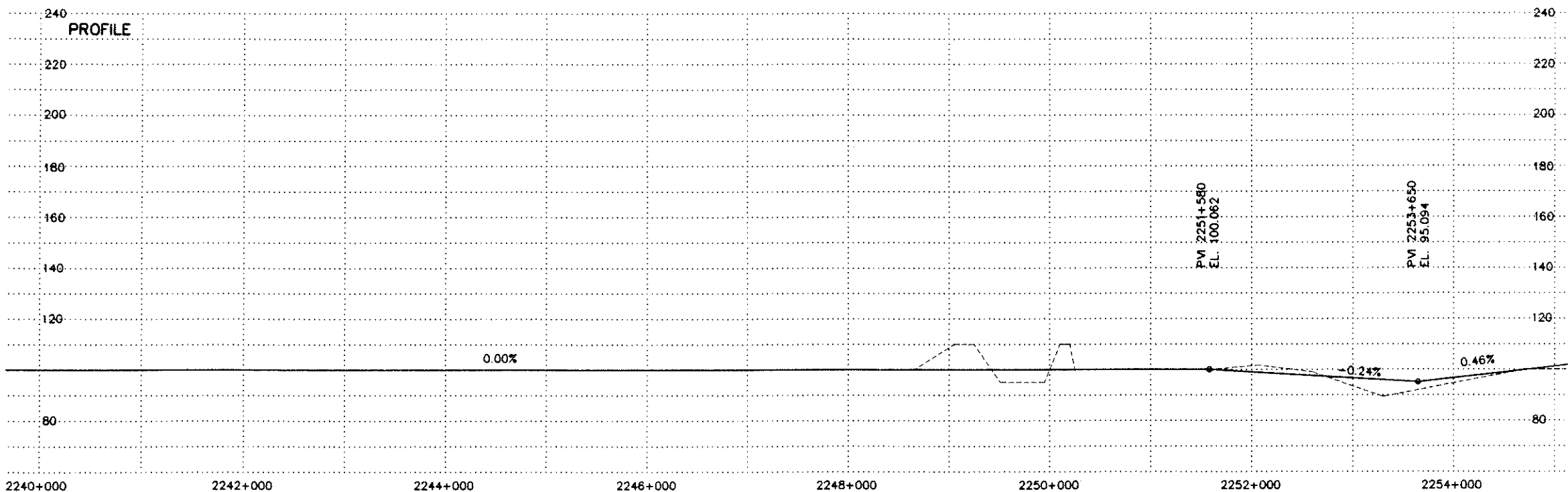
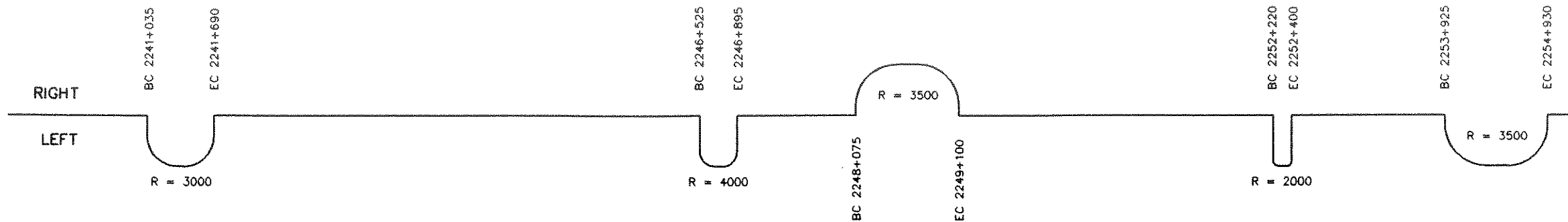
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph TECHNOLOGY ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION: MAR/93
		SEGMENT CODE: TM2-C0	SHEET 15 OF 23

PLAN - SCHEMATIC



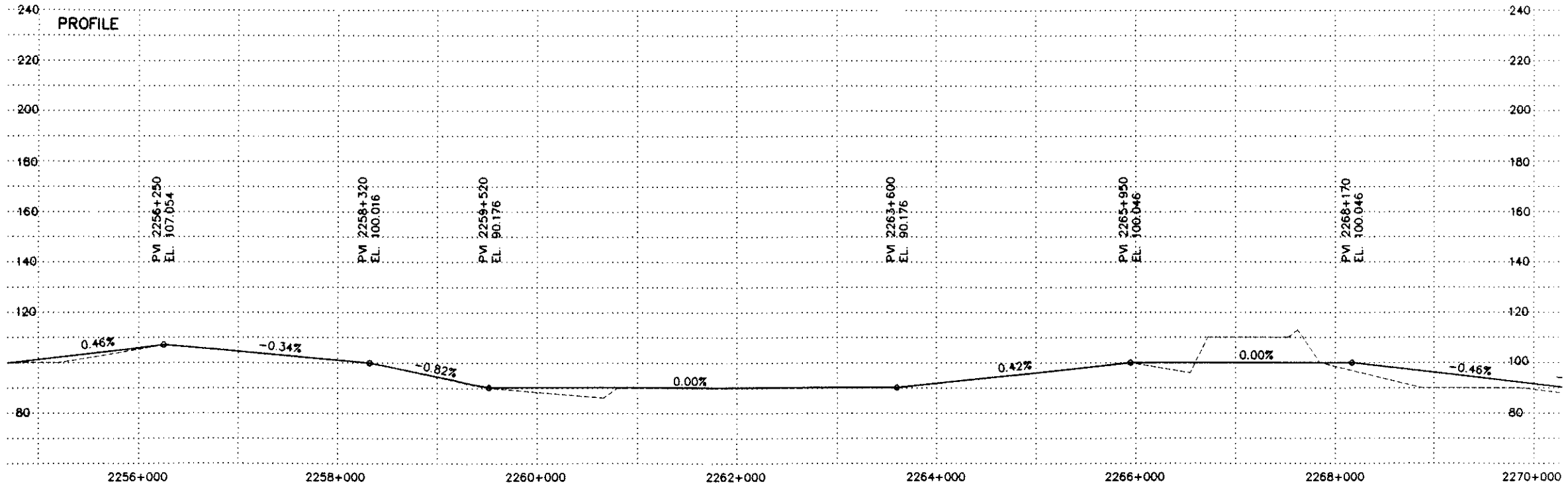
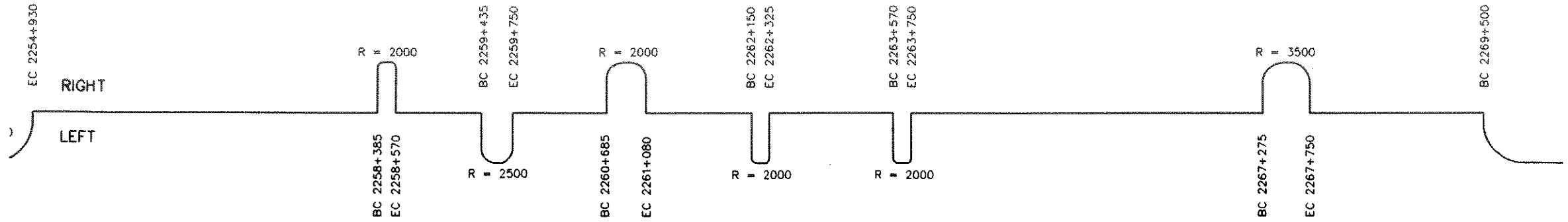
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph TECHNOLOGY ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION: MAR/93
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PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph TECHNOLOGY ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000 VER. 1:2000	DATE: MAR/93
		SEGMENT CODE: TM2-C0	REVISION: MAR/93 SHEET 17 OF 23

PLAN - SCHEMATIC



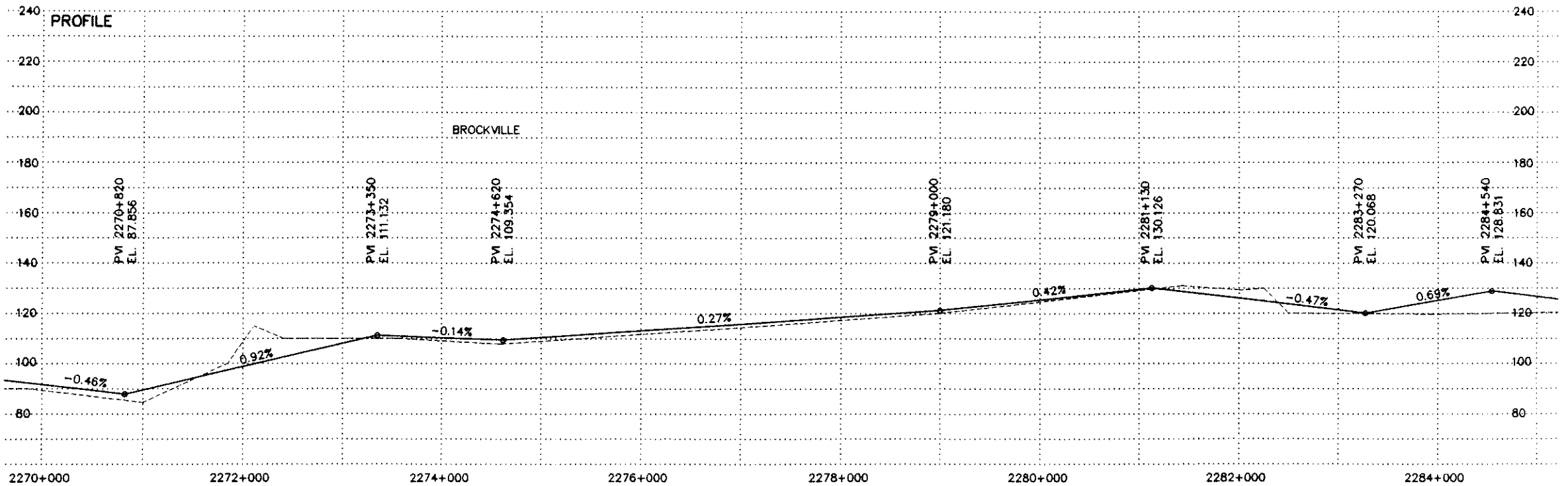
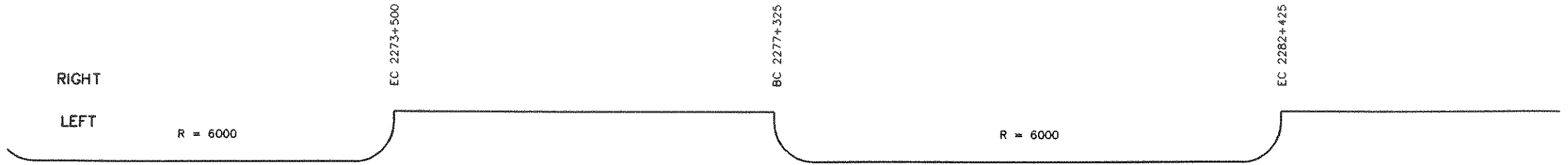
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1: 50 000  
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 SEGMENT CODE: TM2-C0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 18 OF 23

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

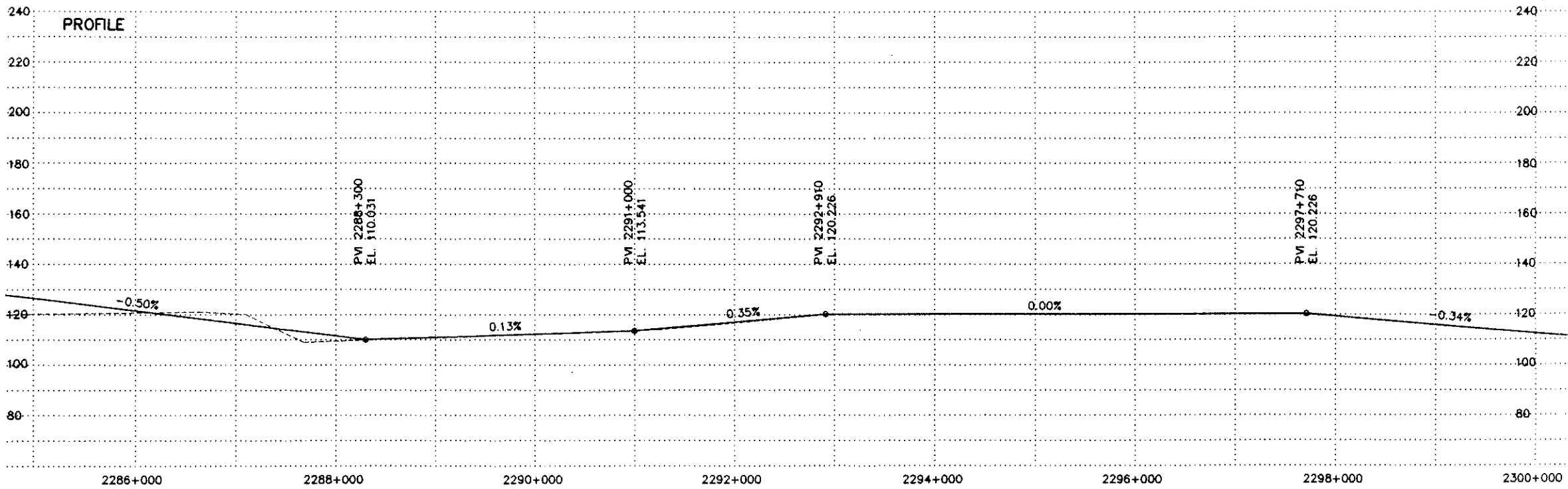
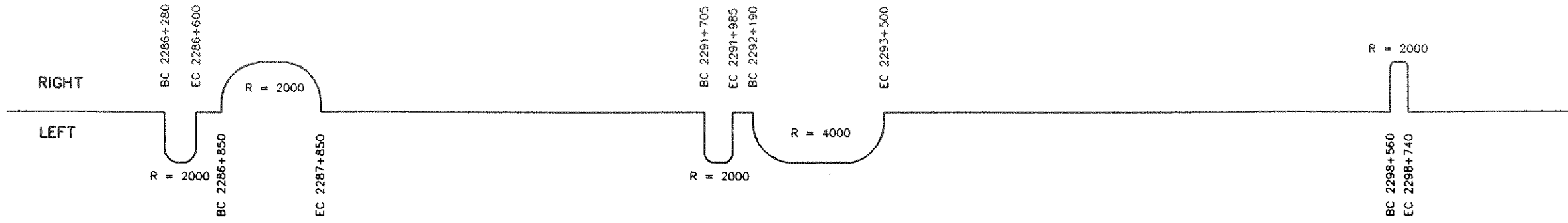
200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 19 OF 23



PLAN - SCHEMATIC



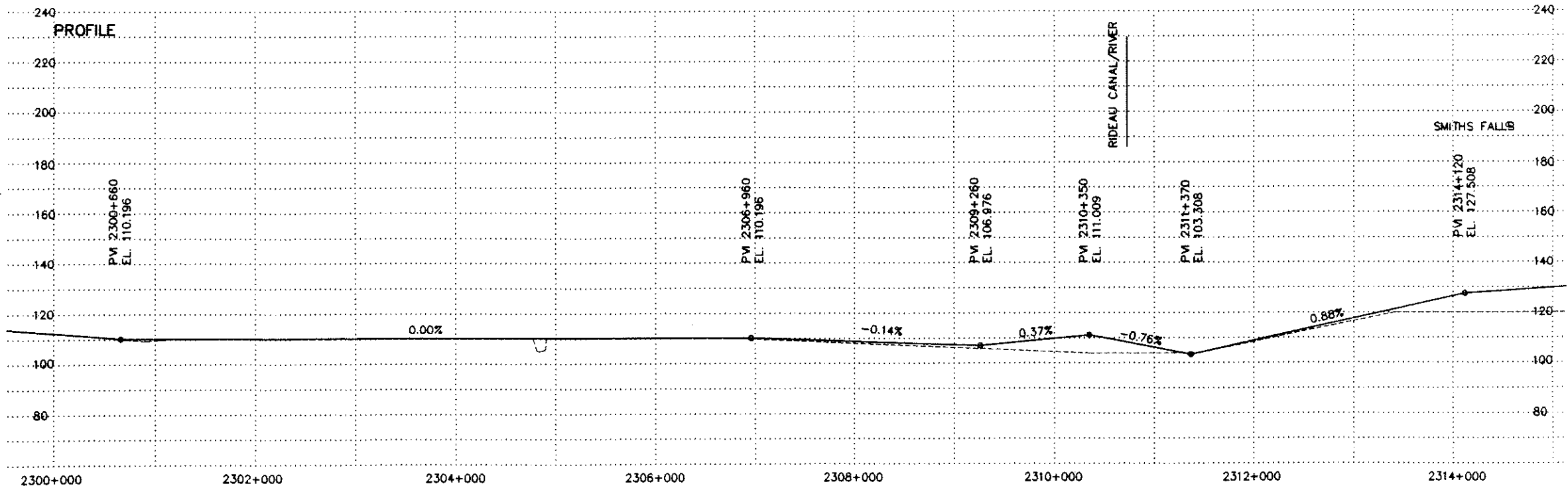
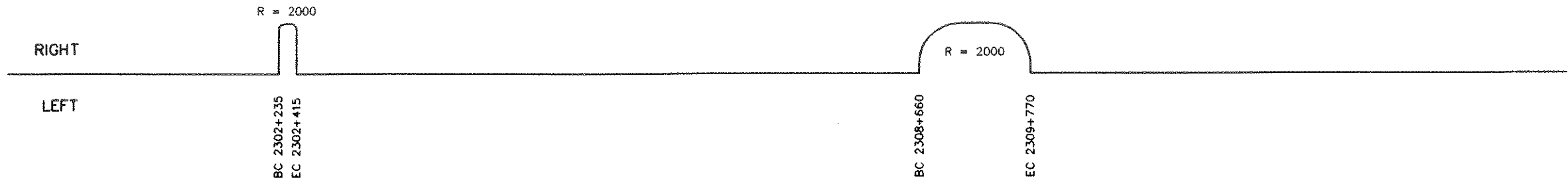
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM2-C0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 20 OF 23

PLAN - SCHEMATIC



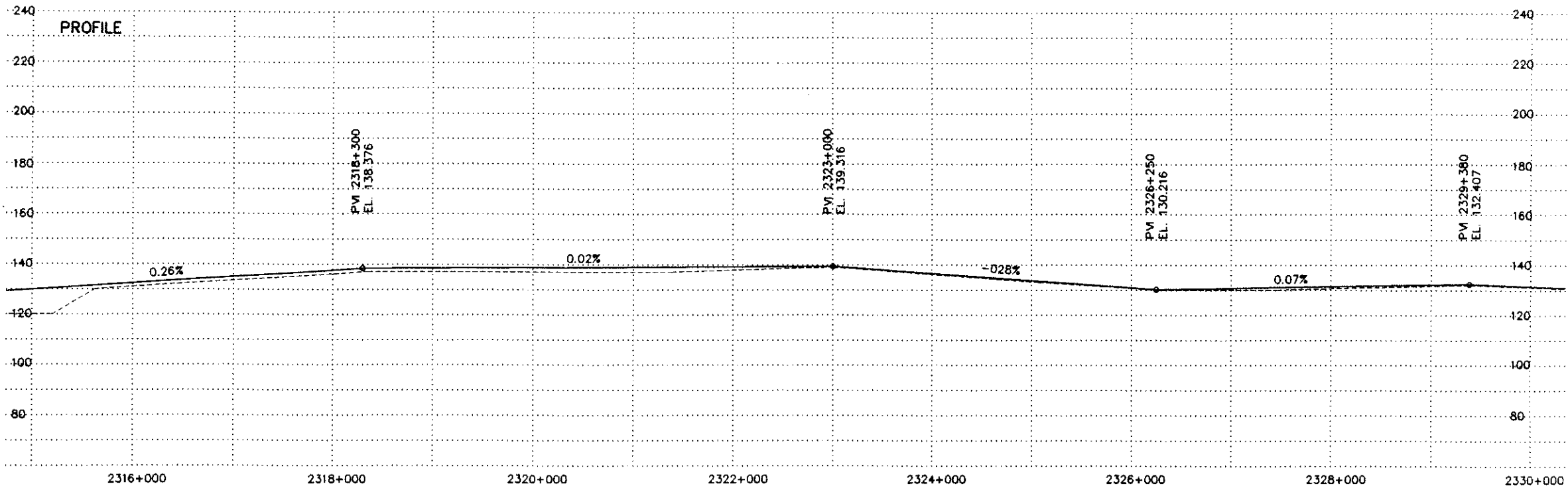
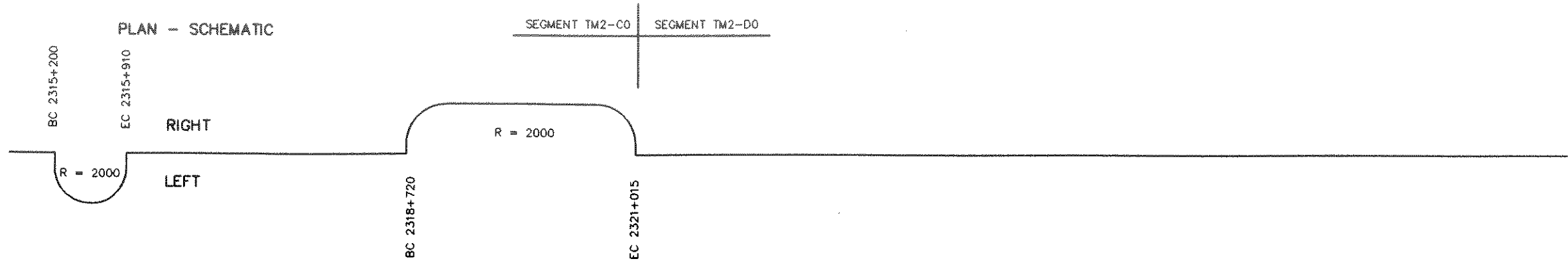
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 21 OF 23

PLAN - SCHEMATIC



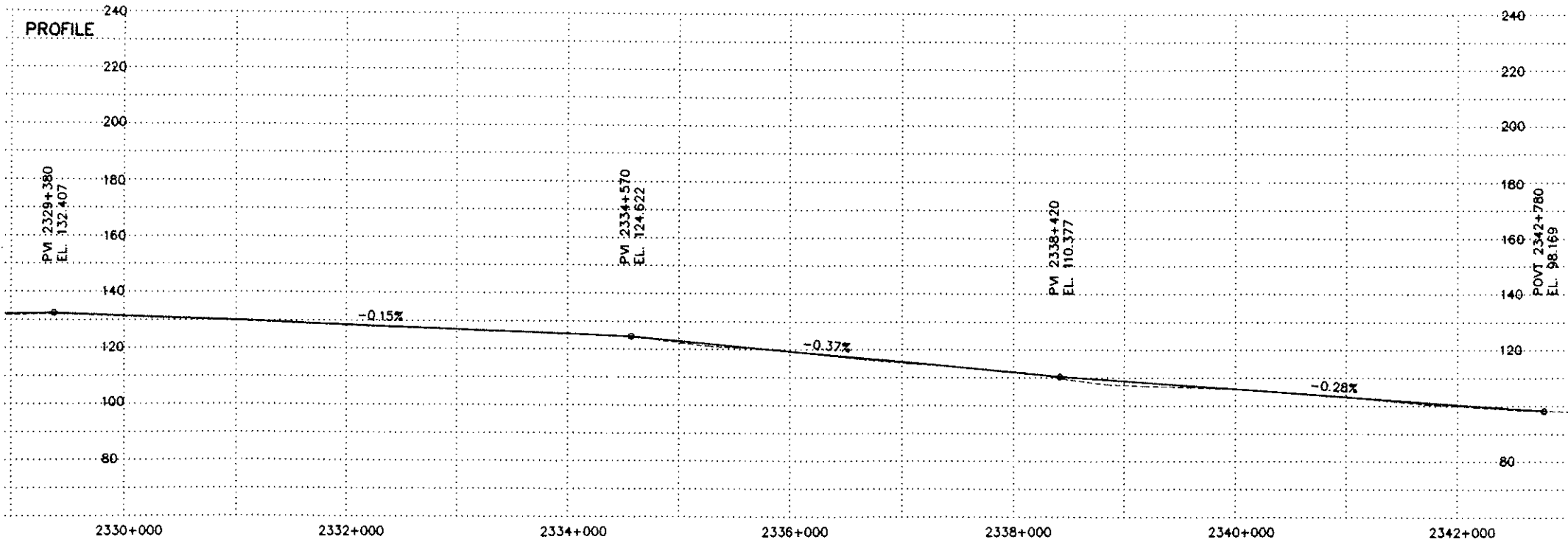
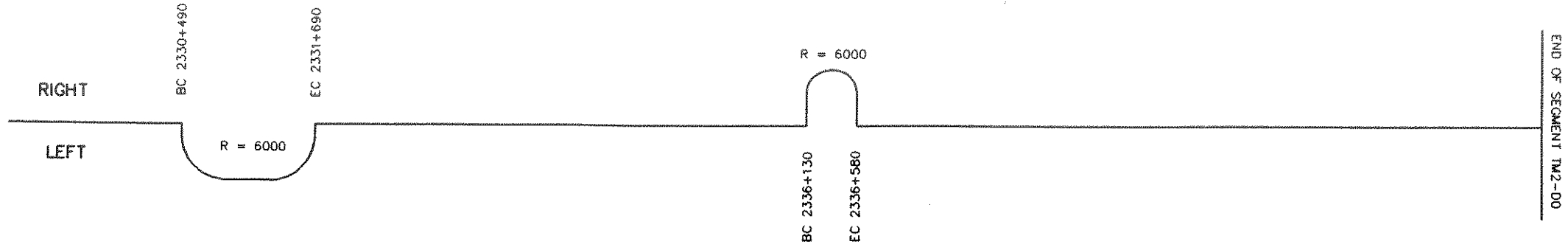
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
REPRESENTATIVE ROUTE  
TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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SEGMENT CODE: TM2-D0

DATE: MAR/93  
REVISION: MAR/93  
SHEET 22 OF 23

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph TECHNOLOGY ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

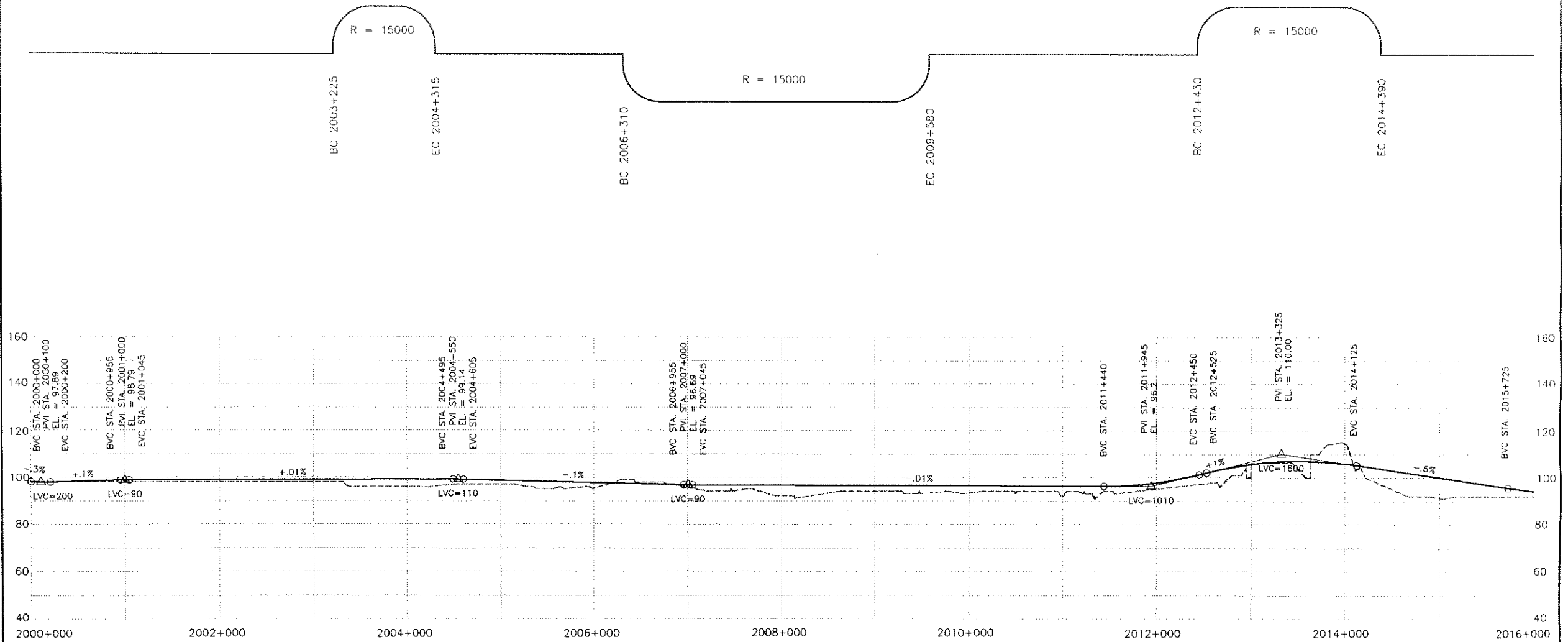
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 SEGMENT CODE: TM2-D0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 23 OF 23

**200-250 KPH TILTING TECHNOLOGY**

**RICHMOND - OTTAWA**

10-MAR-93 FILE NAME: D:\0131644\RD\ACAD11\T0200E01.DWG  
3:22 PM



QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000

VER. 1:2000

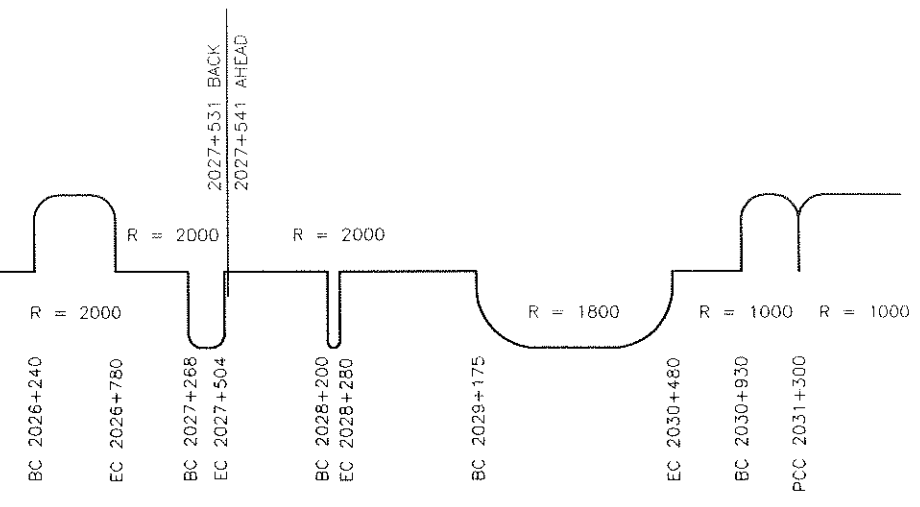
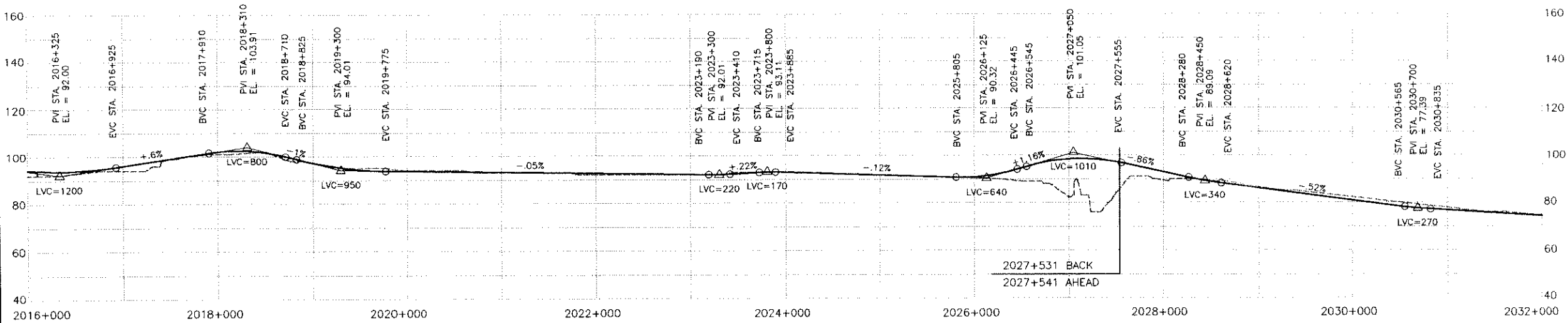
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DATE: 9/3/1993

REVISION:

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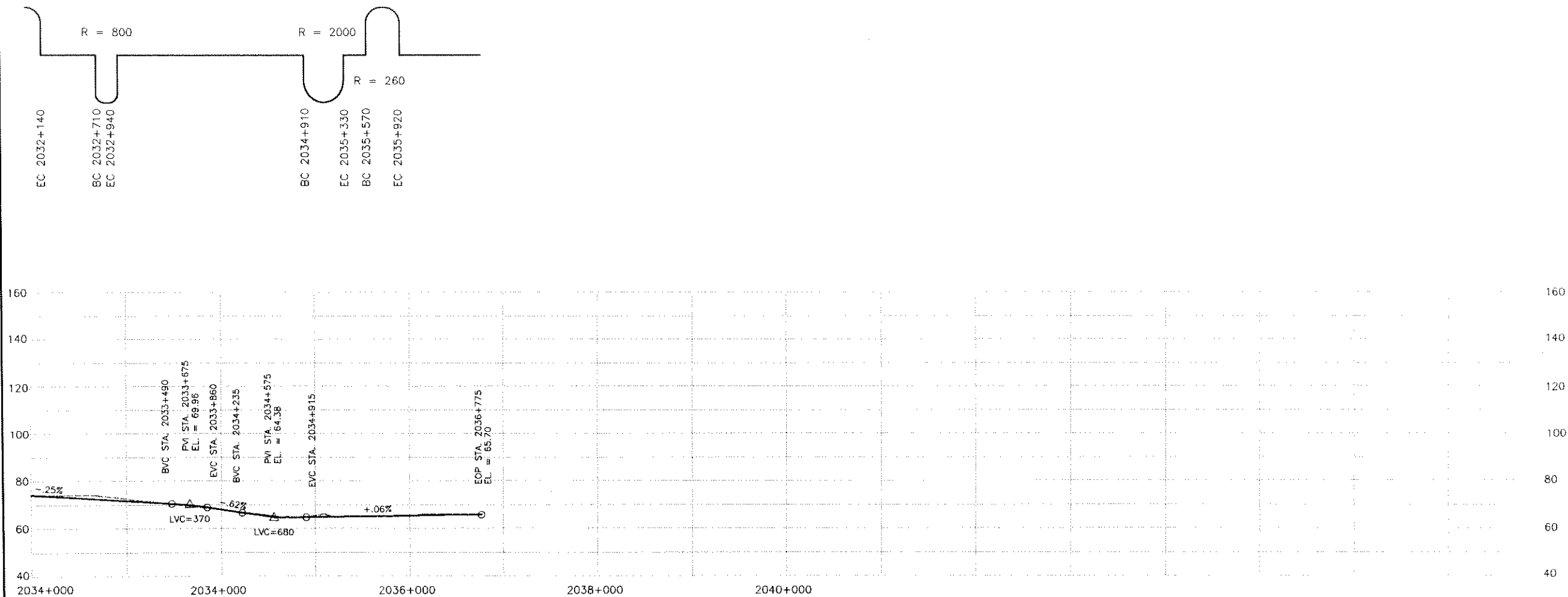
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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 SEGMENT CODE: TM2-E0

DATE: 9/3/1993  
 REVISION:  
 SHEET 02 OF 12

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QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000

VER. 1:2000

SEGMENT CODE: TM2-E0

DATE: 9/3/1993

REVISION:

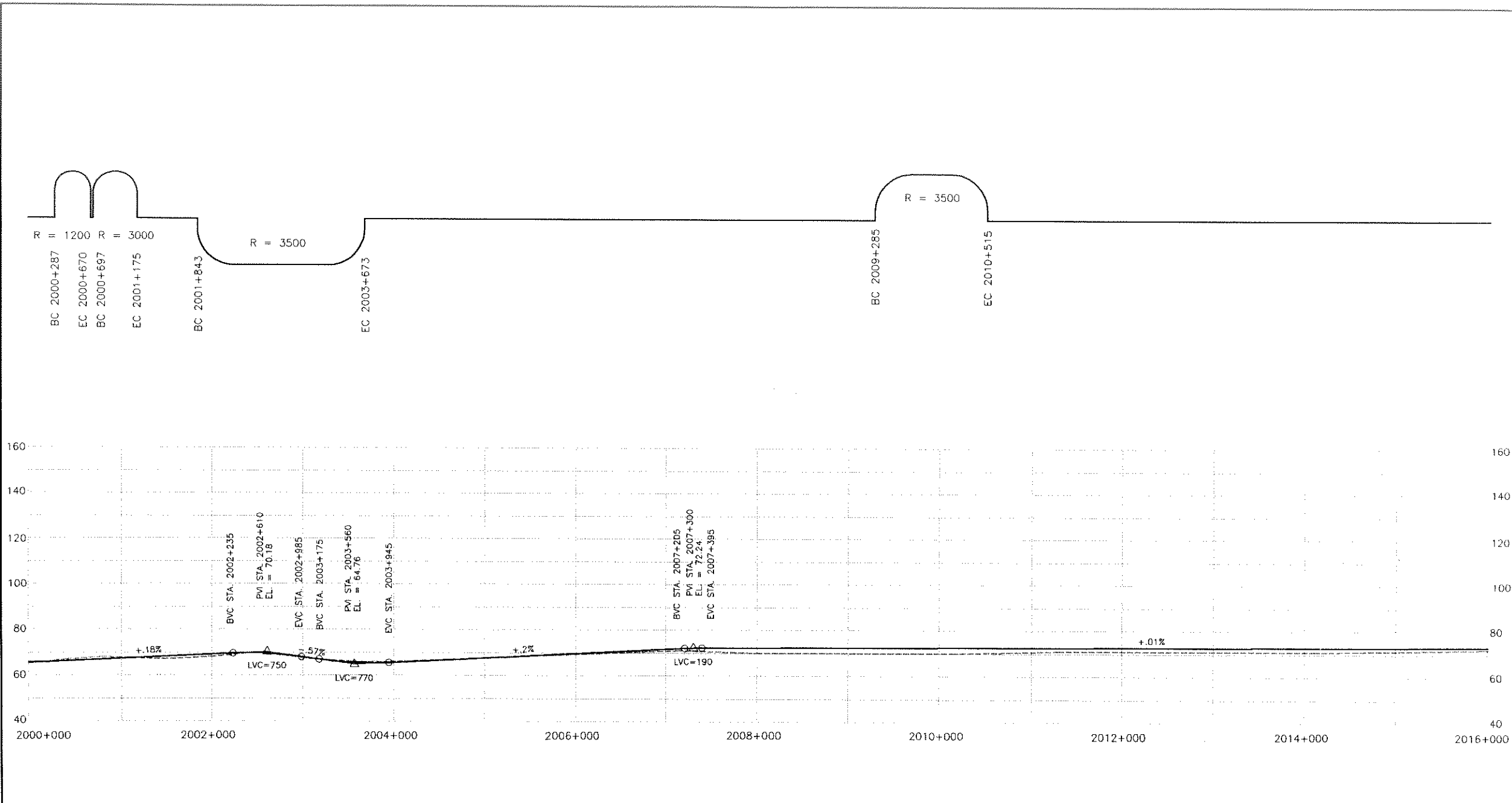
SHEET 03 OF 12



**200-250 KPH TILTING TECHNOLOGY**

**OTTAWA - DORION**

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QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000

VER. 1:2000

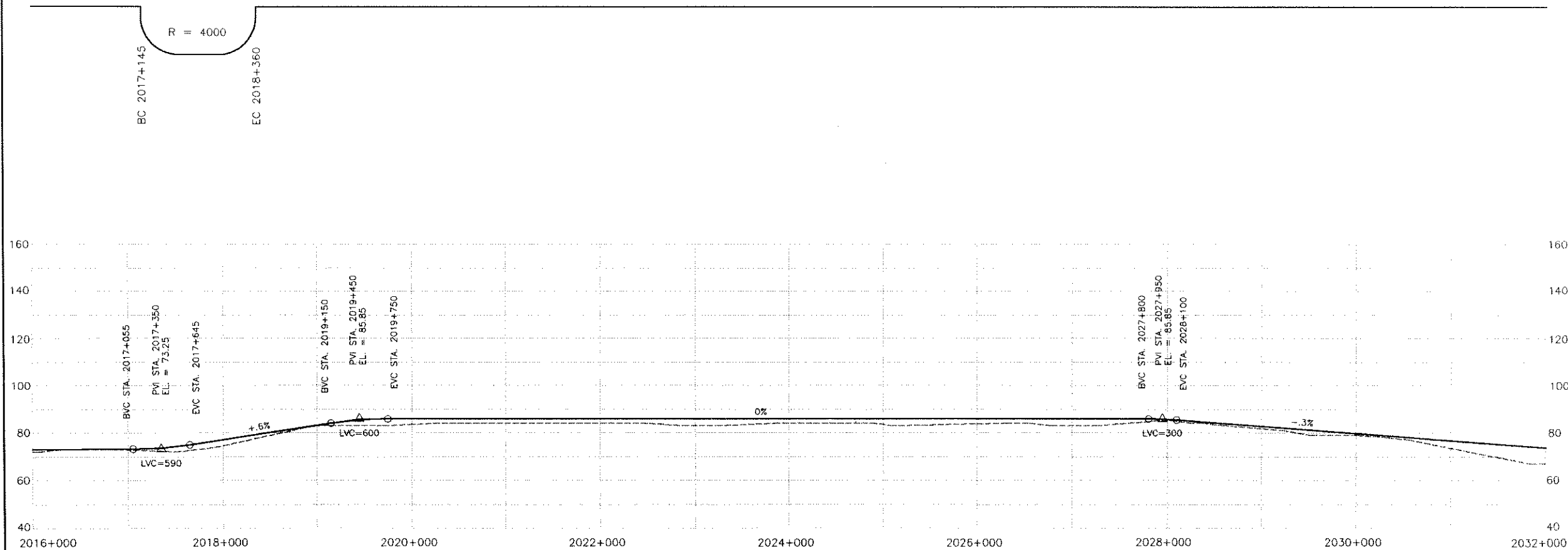
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DATE: 9/3/1993

REVISION:

SHEET 04 OF 12

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QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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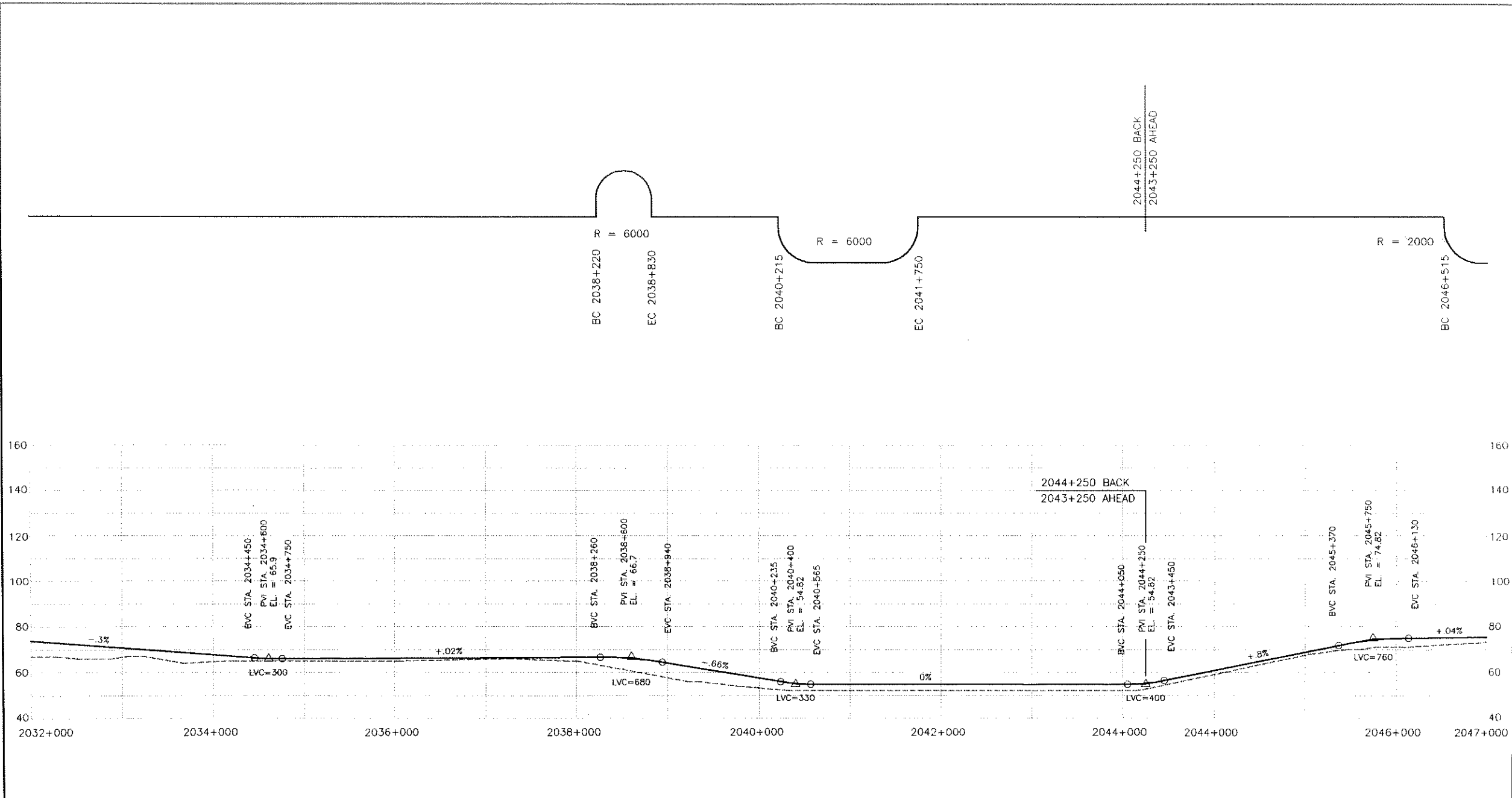
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DATE: 9/3/1993

REVISION:

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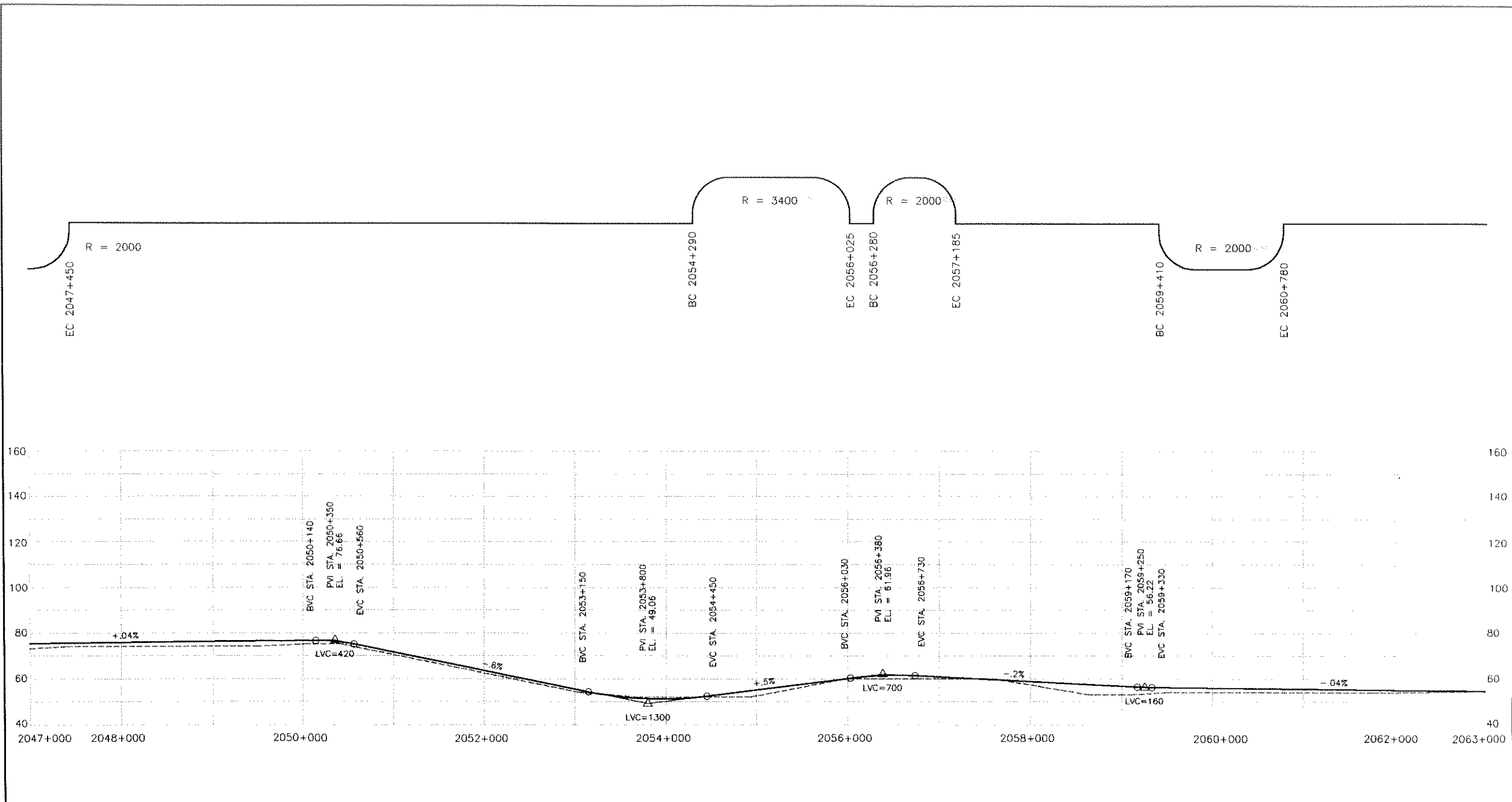
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PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION – MONTREAL

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DATE: 9/3/1993  
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SHEET 06 OF 12

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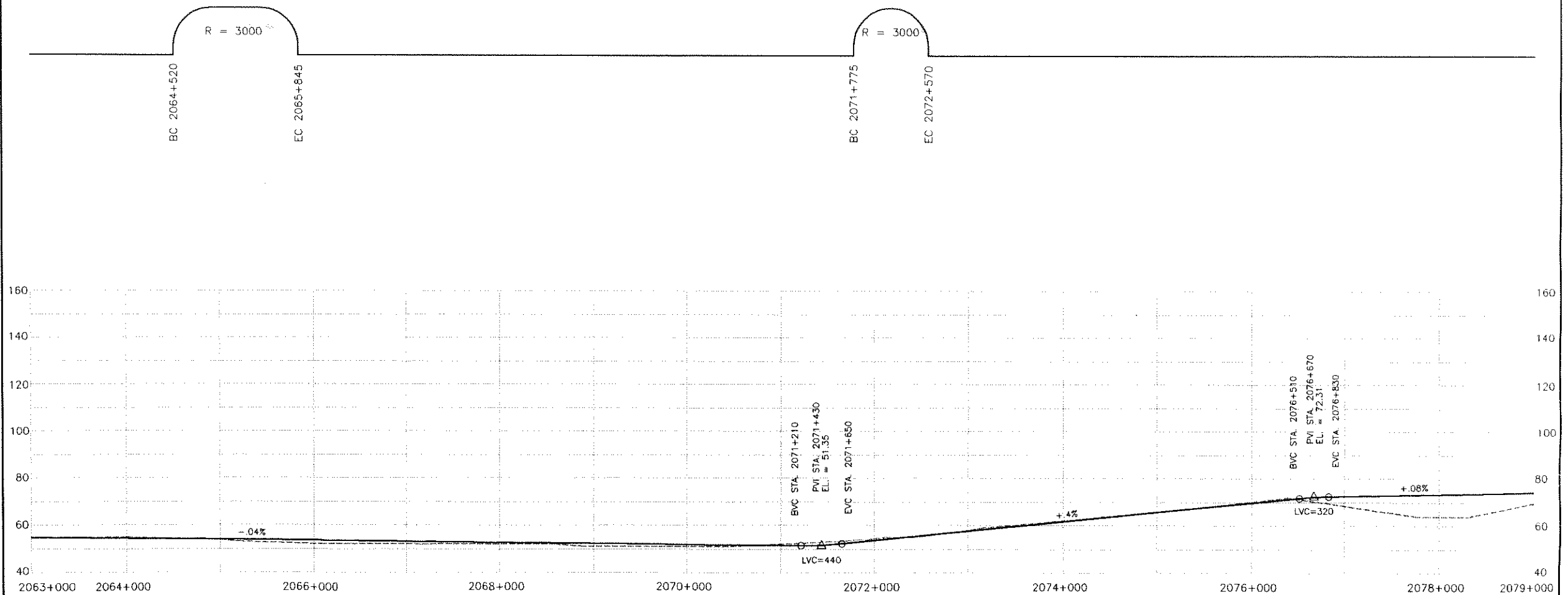
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 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION — MONTREAL

SCALE: HOR. 1:50000  
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DATE: 9/3/1993  
 REVISION:  
 SHEET 07 OF 12

10-MAR-93 FILE NAME: D:\013164A\RD\ACAD11\0M200E08.DWG  
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QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

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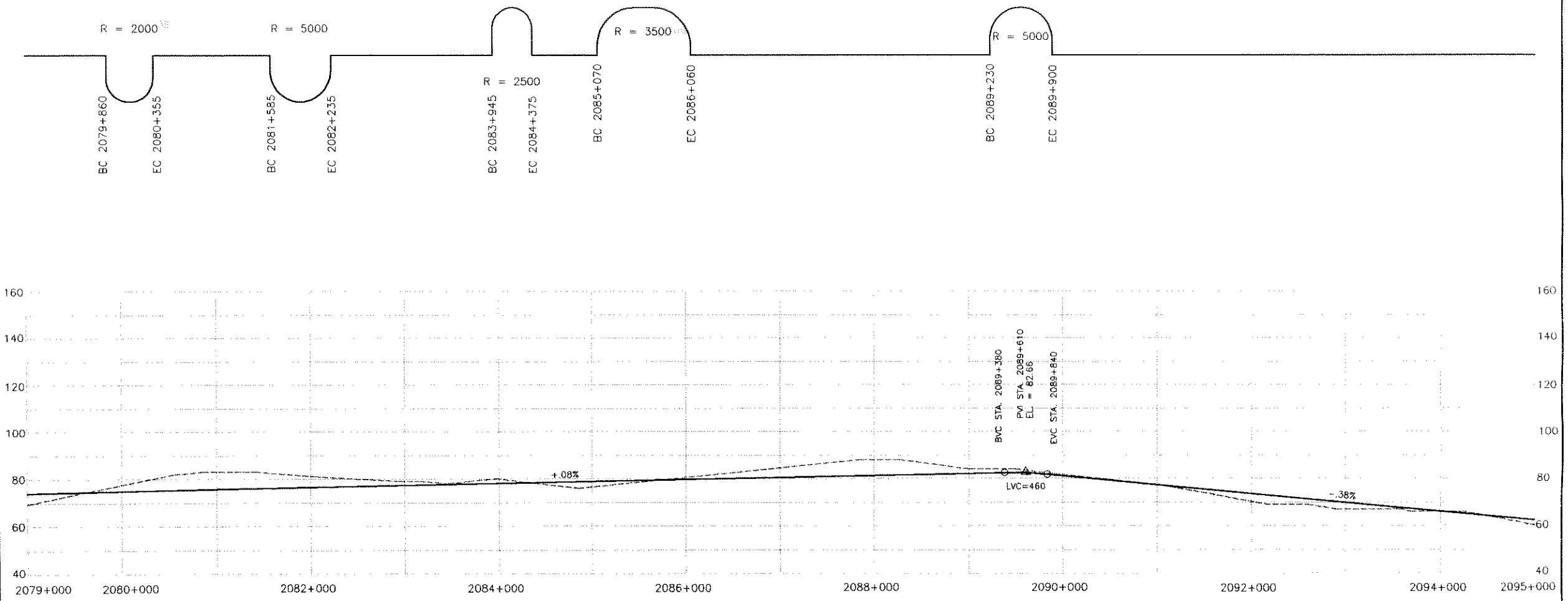
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SHEET 08 OF 12

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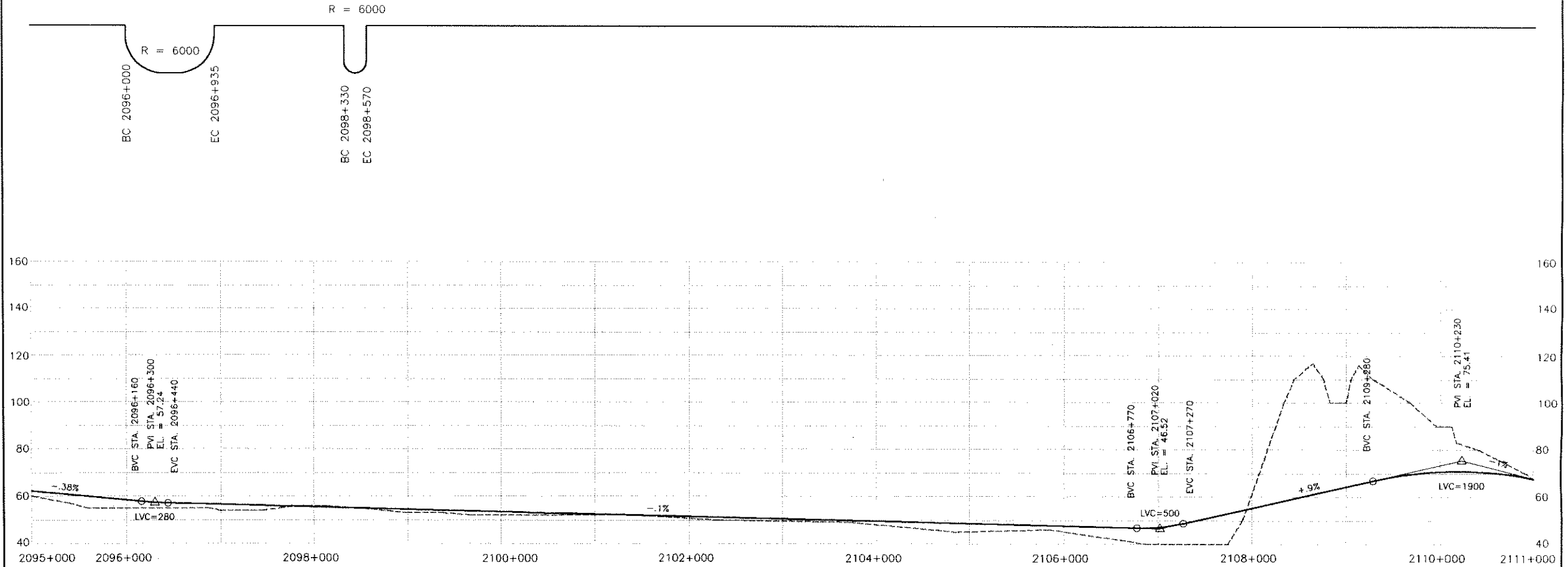
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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DATE: 9/3/1993  
 REVISION:  
 SHEET 09 OF 12

10-MAR-93 3:19 PM FILE NAME: D:\013164A\RD\ACAD11\OM200E10.DWG



QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

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VER. 1:2000

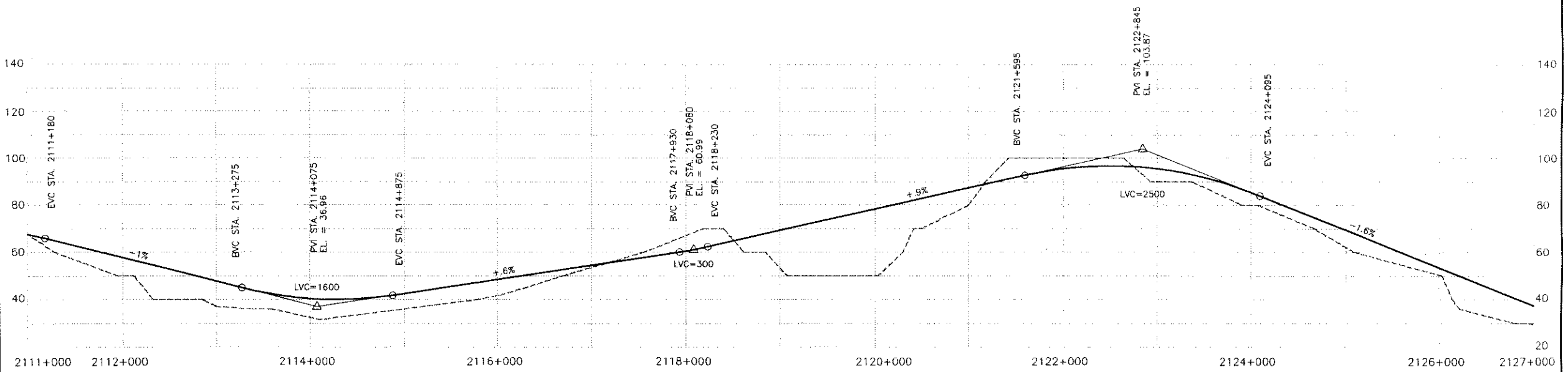
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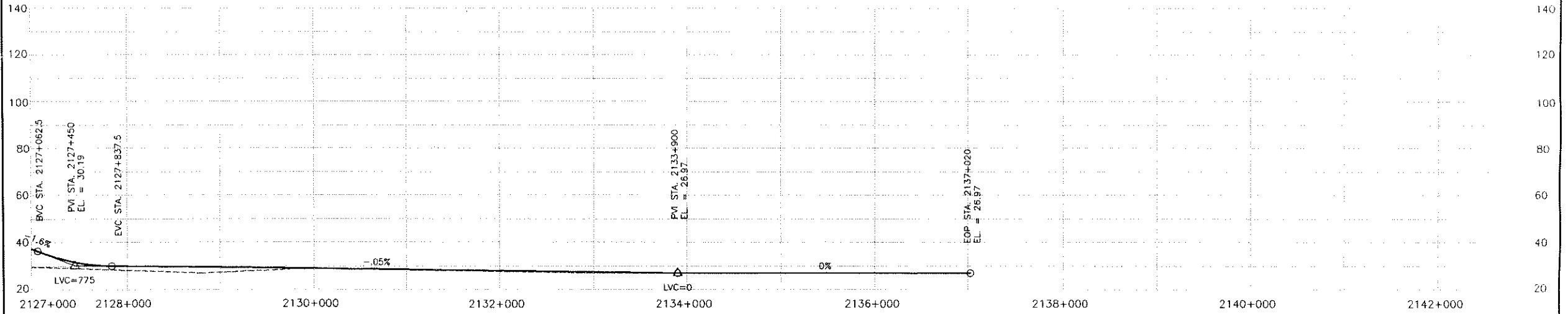
QUEBEC – ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION – MONTREAL

SCALE: HOR. 1:50000  
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DATE: 9/3/1993  
 REVISION:  
 SHEET 11 OF 12

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QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

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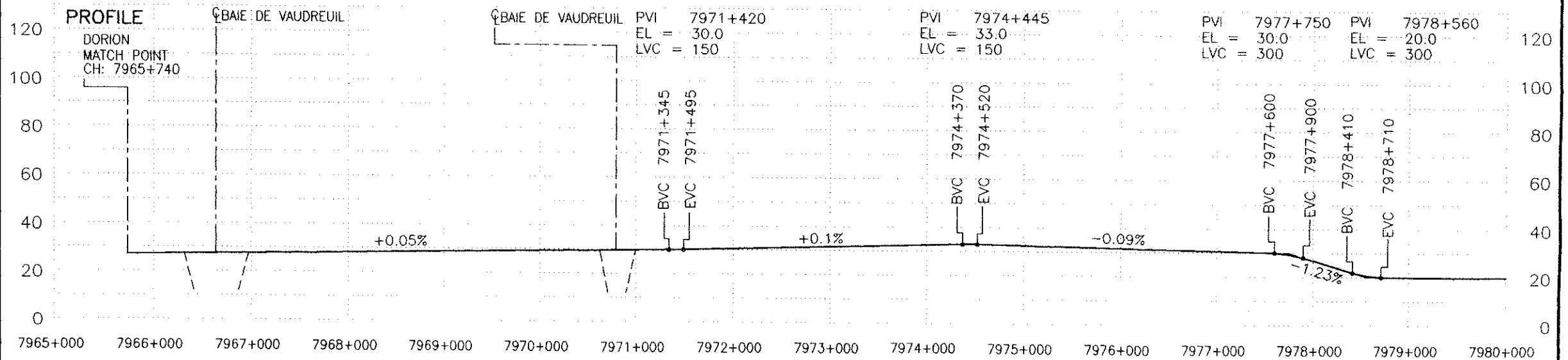
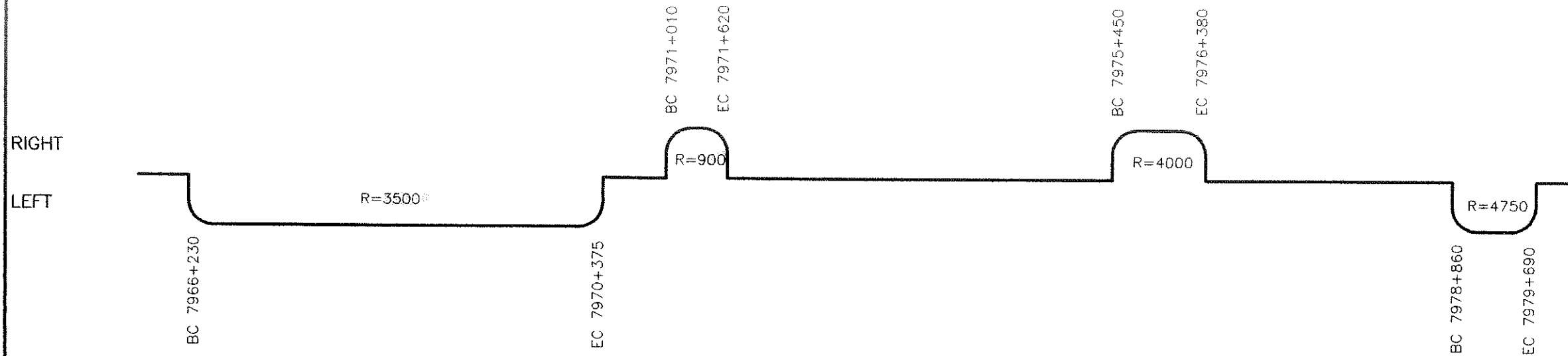
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 SHEET 12 OF 12

**200-250 KPH TILTING TECHNOLOGY**

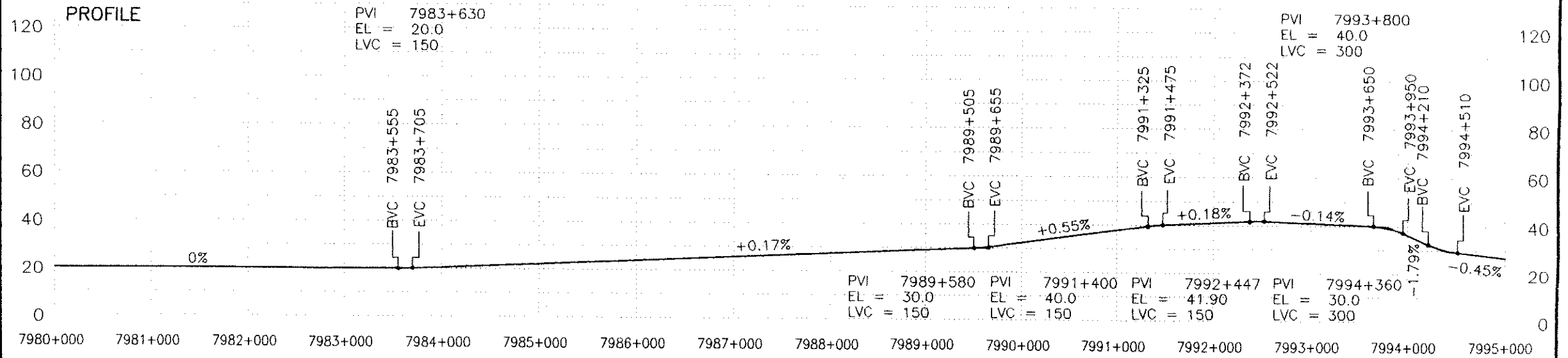
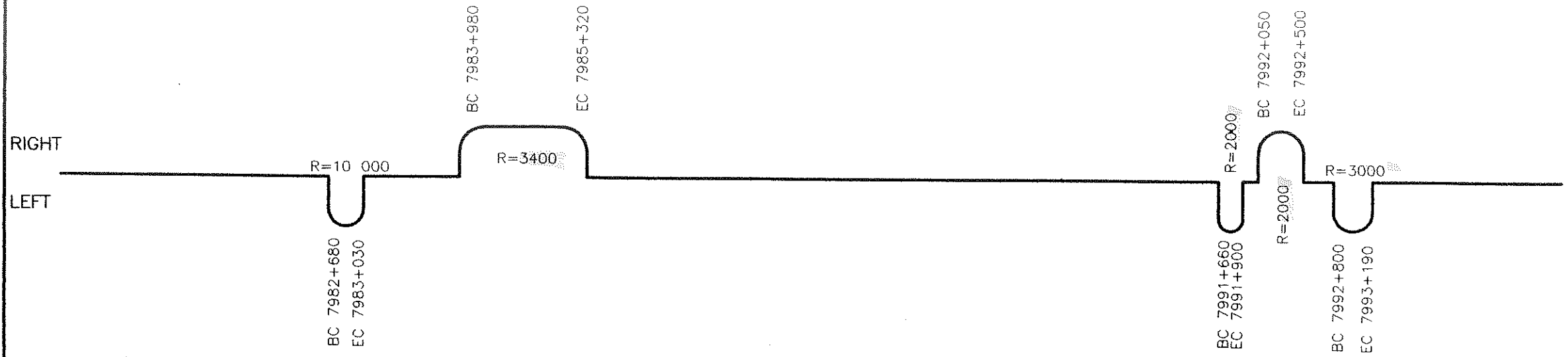
**DORION - MONTREAL**

PLAN - SCHEMATIC



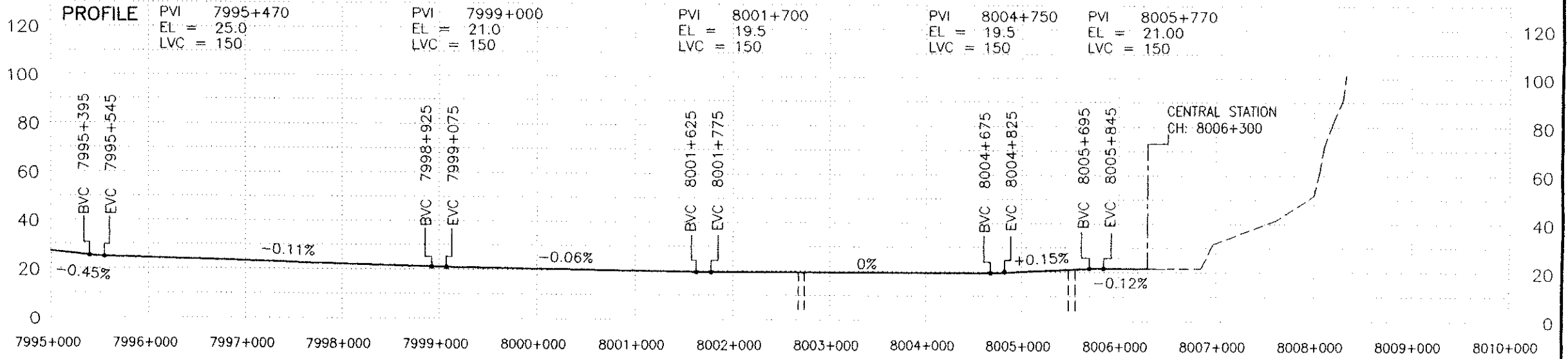
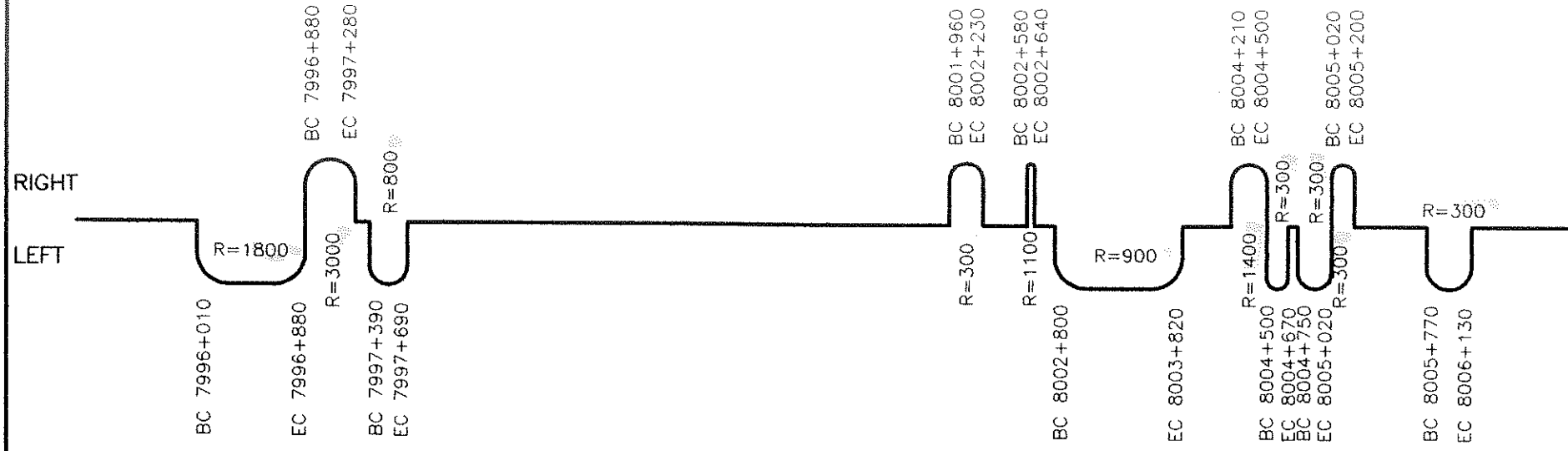
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - DORION	SCALE: HOR. 1:50 000 VER. 1:2000	DATE: MAR/93
		SEGMENT CODE:	REVISION:
		SHEET	1 OF 3

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - DORION	SCALE: HOR. 1:50 000	DATE: MAR/93
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PLAN - SCHEMATIC

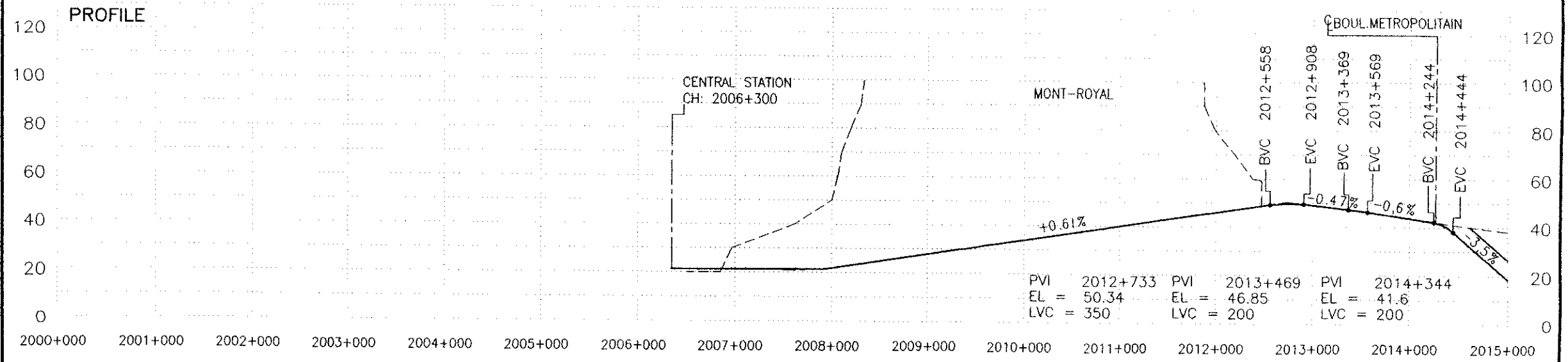
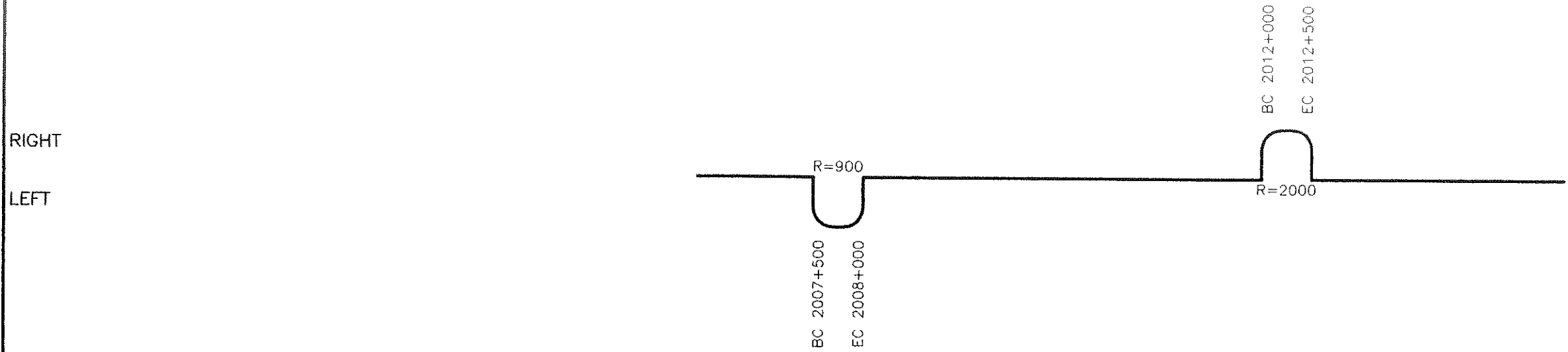


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - DORION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
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**200-250 KPH TILTING TECHNOLOGY**

**MONTREAL - QUEBEC**

PLAN — SCHEMATIC

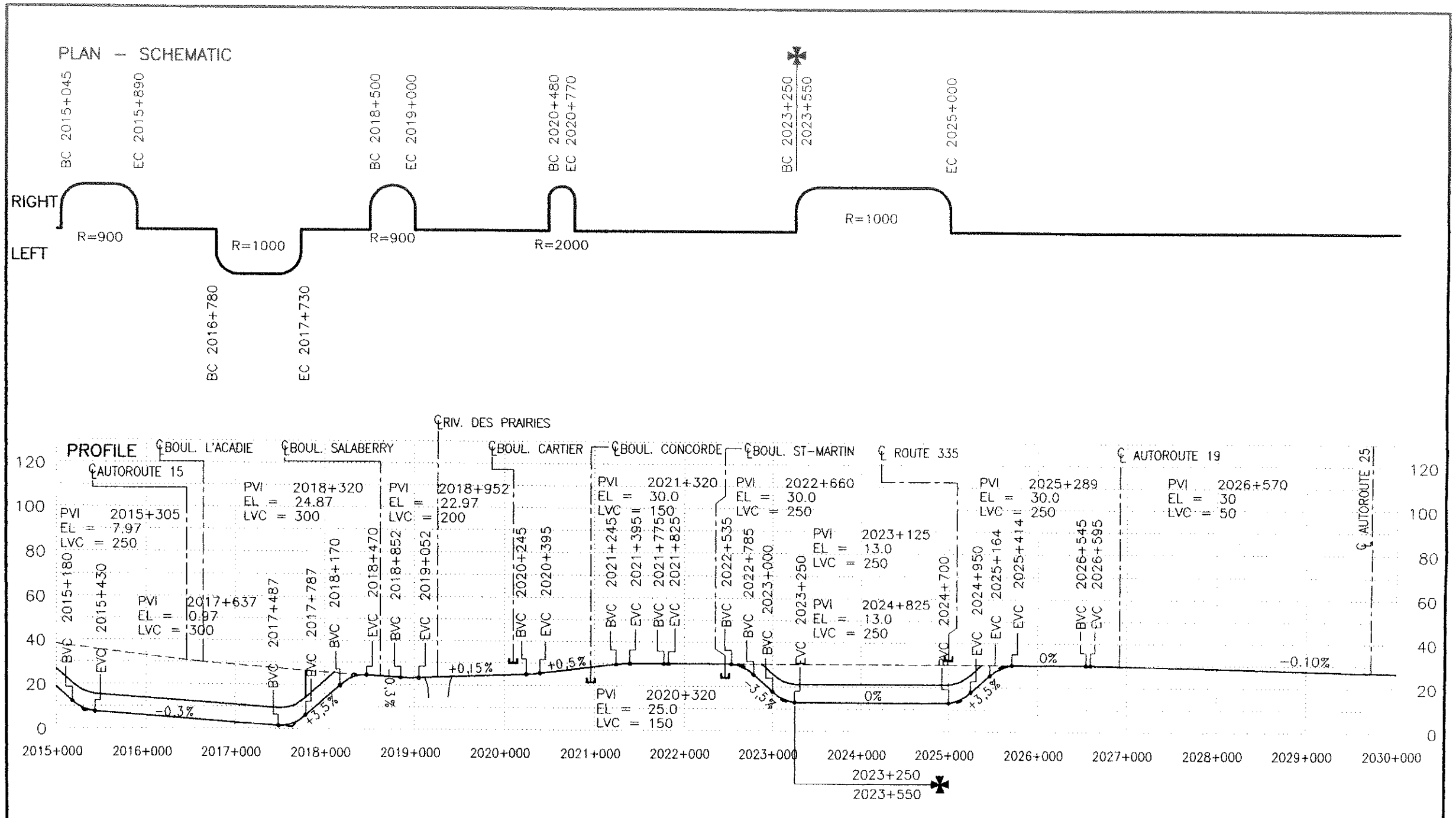


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
REPRESENTATIVE ROUTE  
MONTREAL - QUEBEC

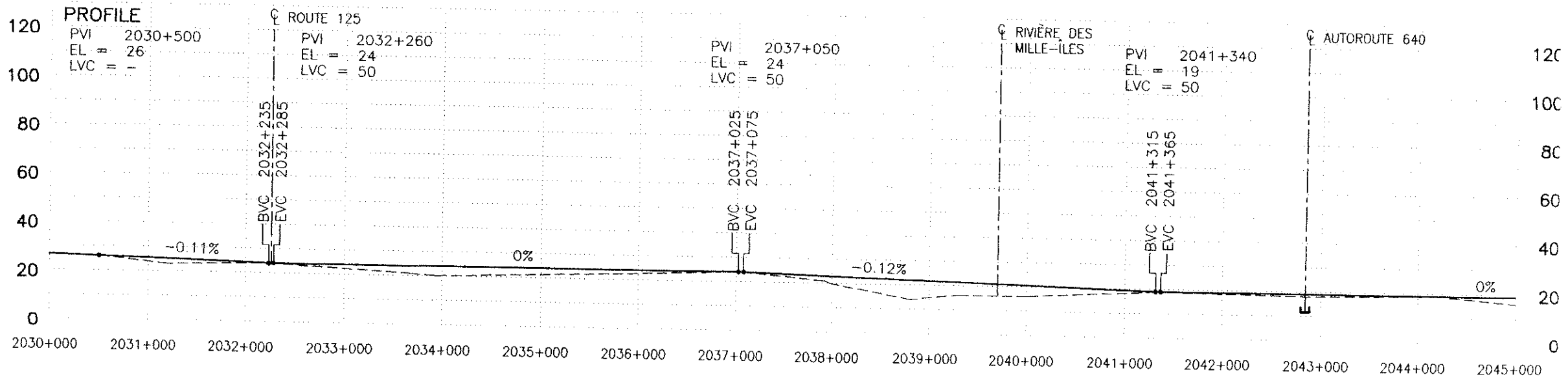
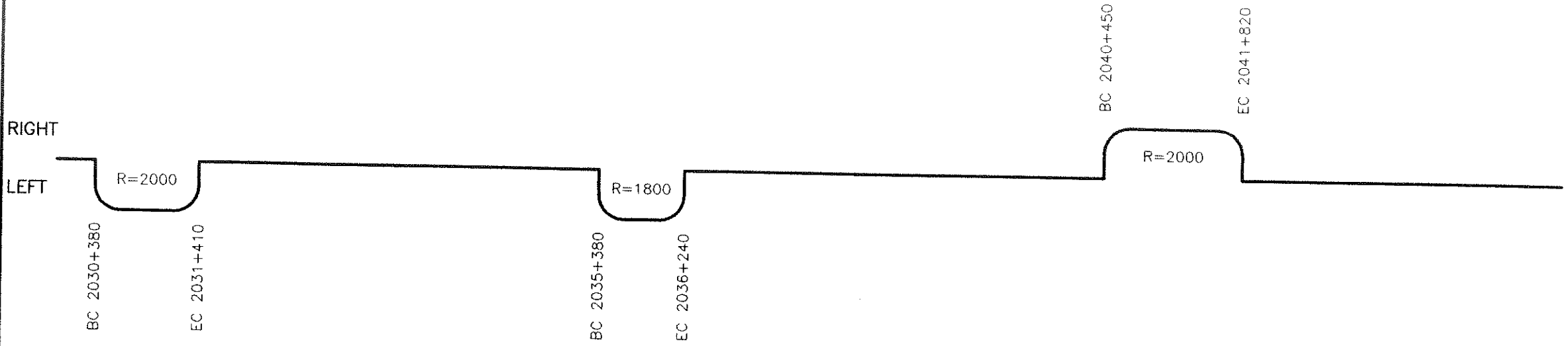
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SEGMENT CODE:	SHEET 1 OF 19





QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
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		SEGMENT CODE:	SHEET 2 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

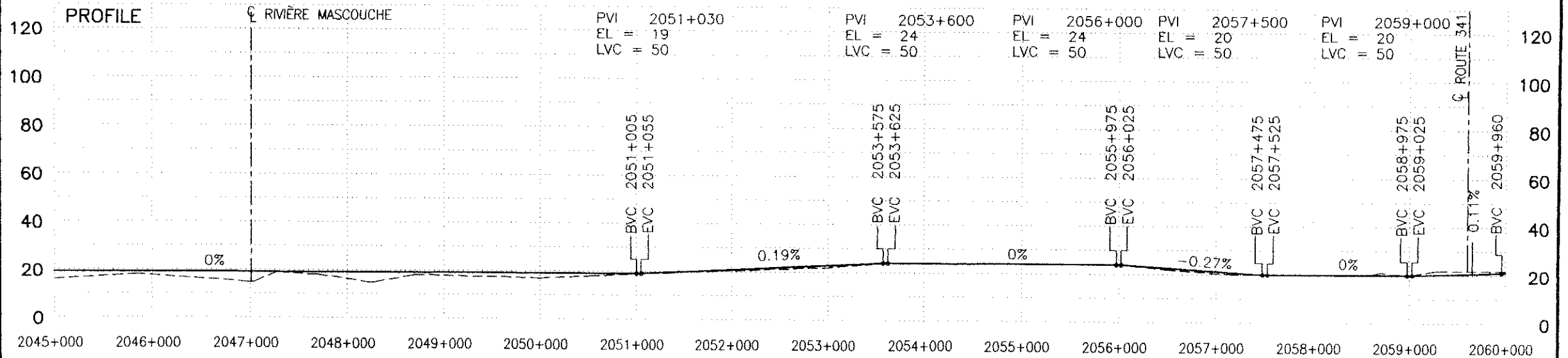
200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000	DATE: MAR/93
VER. 1:2000	REVISION:
SEGMENT CODE:	CURT 7 OF 10

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000

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SEGMENT CODE:

DATE: MAR/93

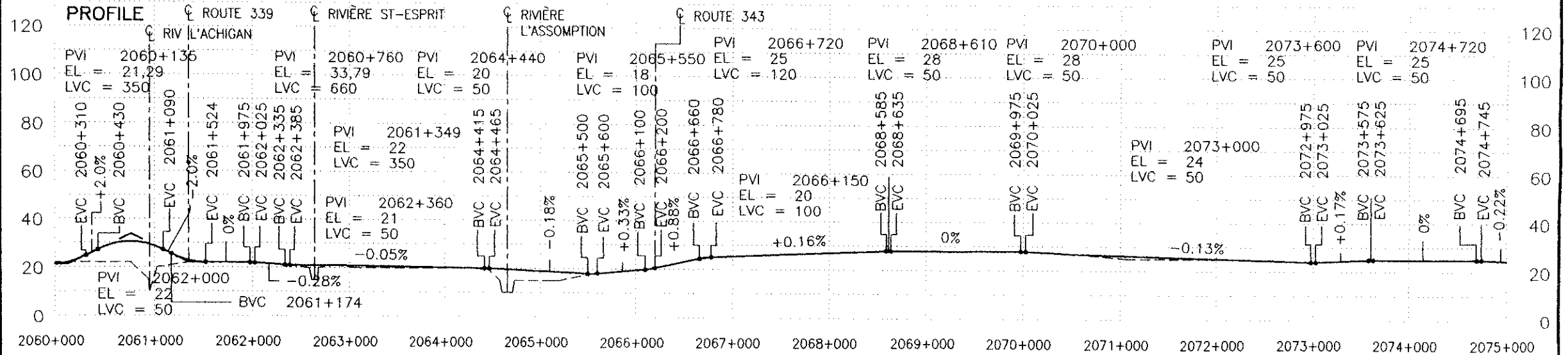
REVISION:

SHEET 4 OF 19

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

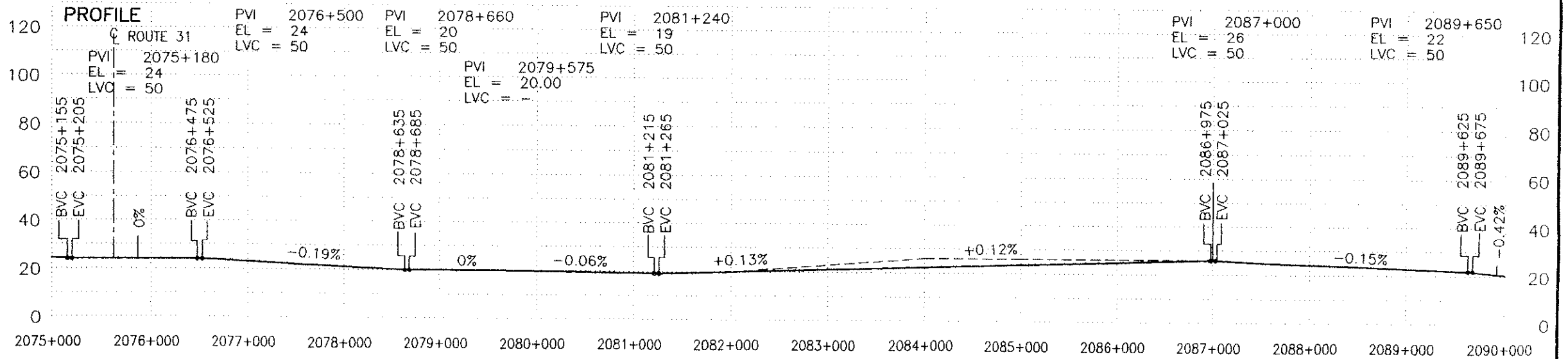
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PLAN - SCHEMATIC

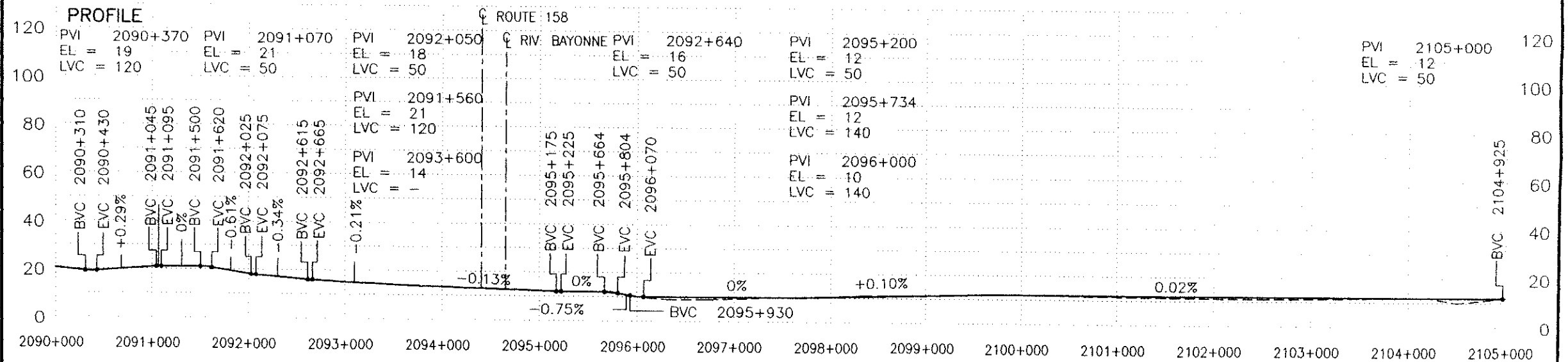
RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
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		SEGMENT CODE:	SHEET 6 OF 19

PLAN - SCHEMATIC



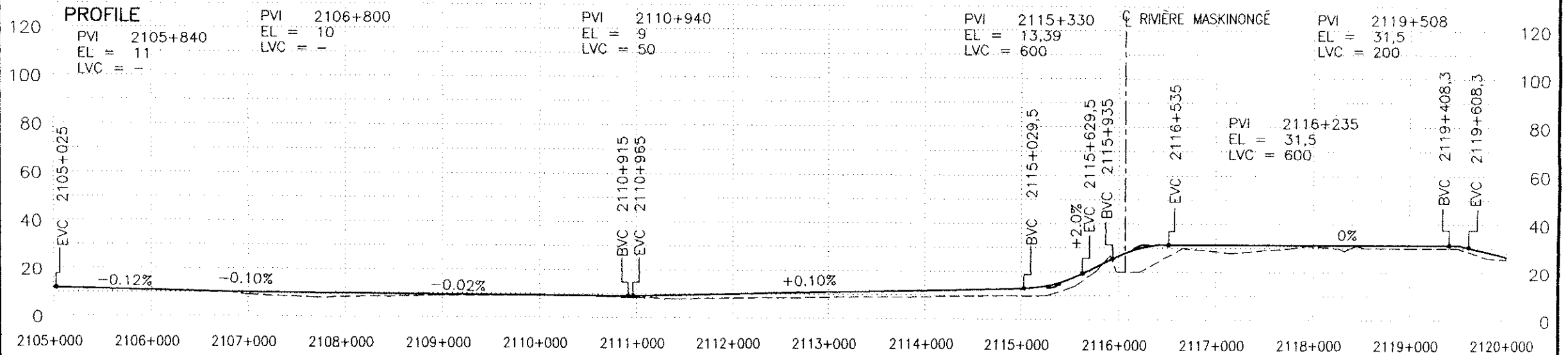
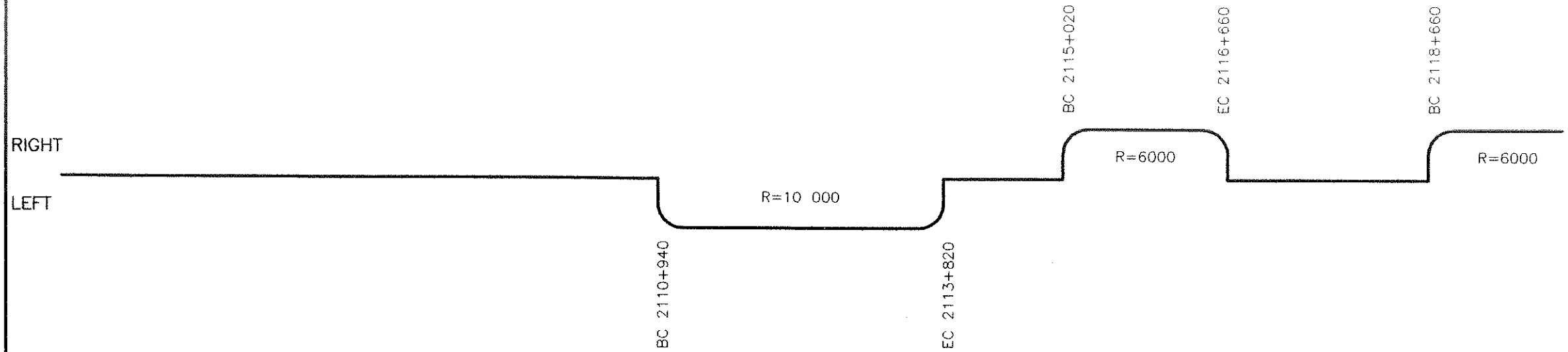
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 7 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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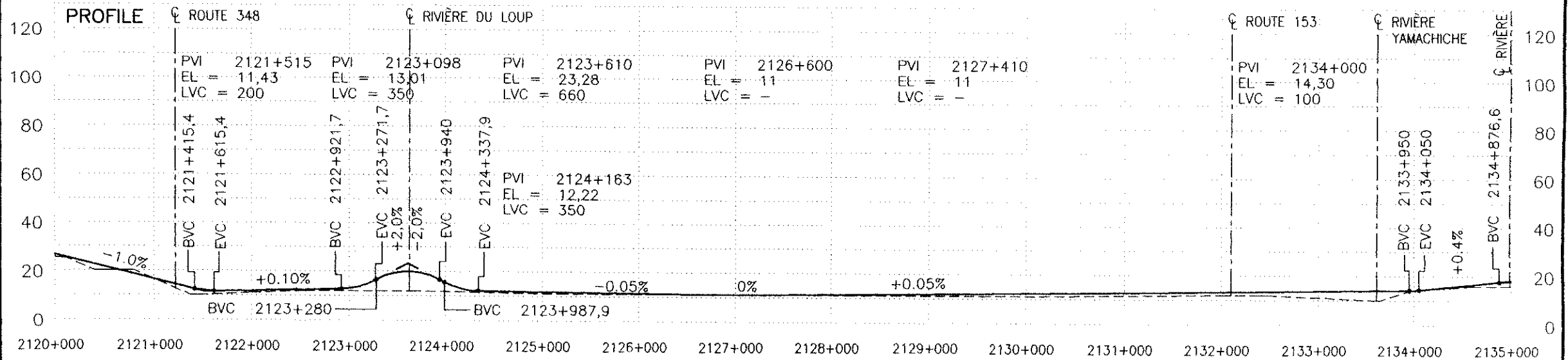
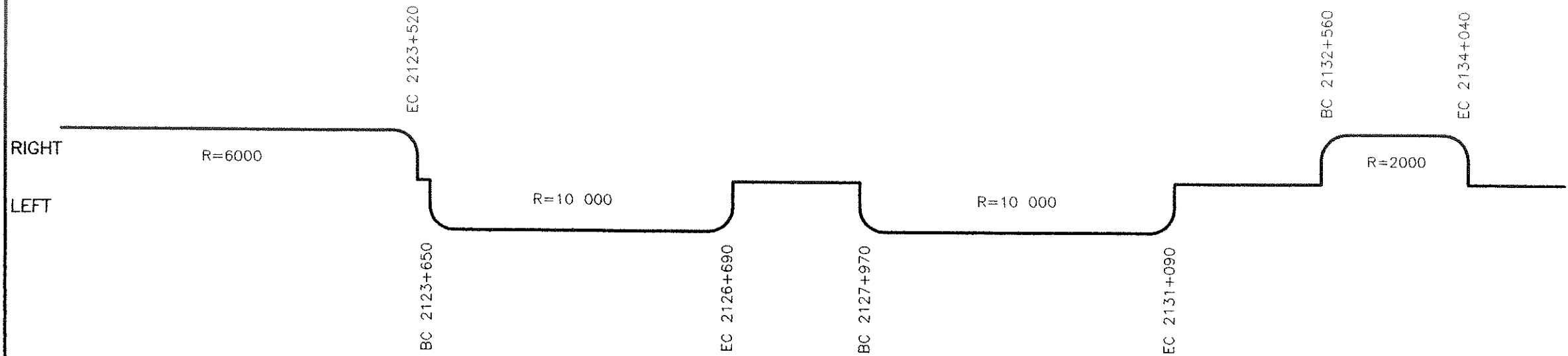
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REVISION:

SHEET 8 OF 19

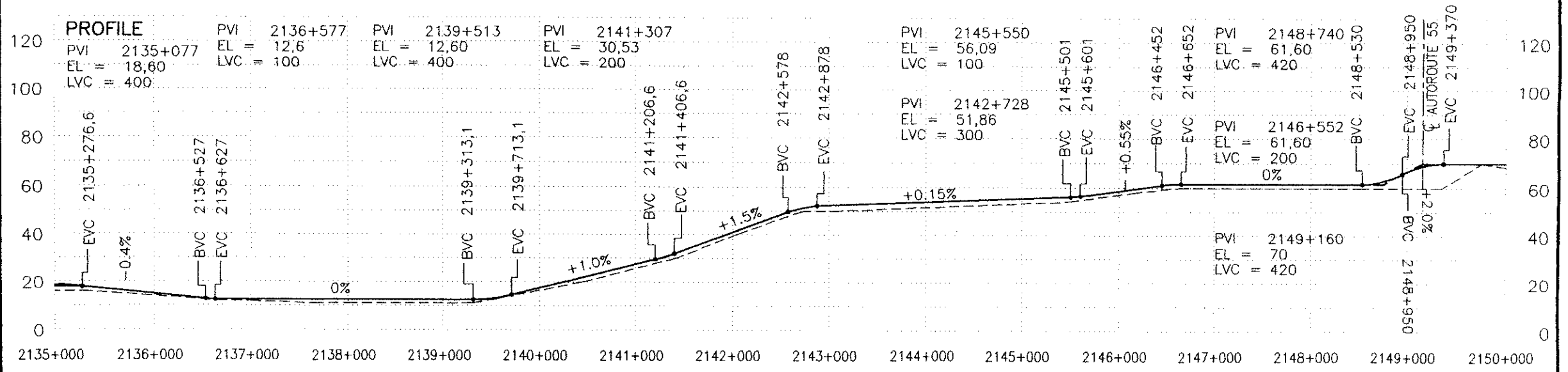
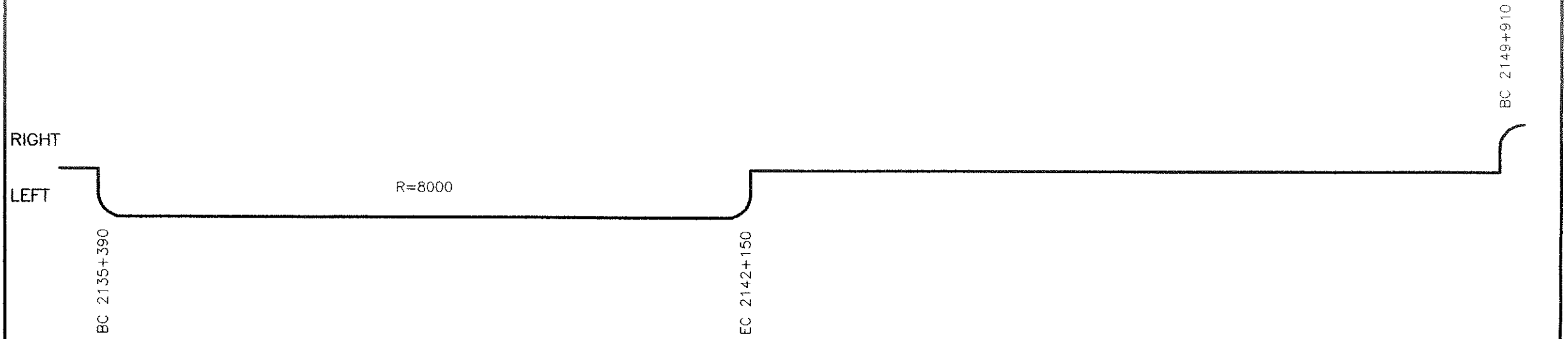
PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000 VER. 1:2000	DATE: MAR/93
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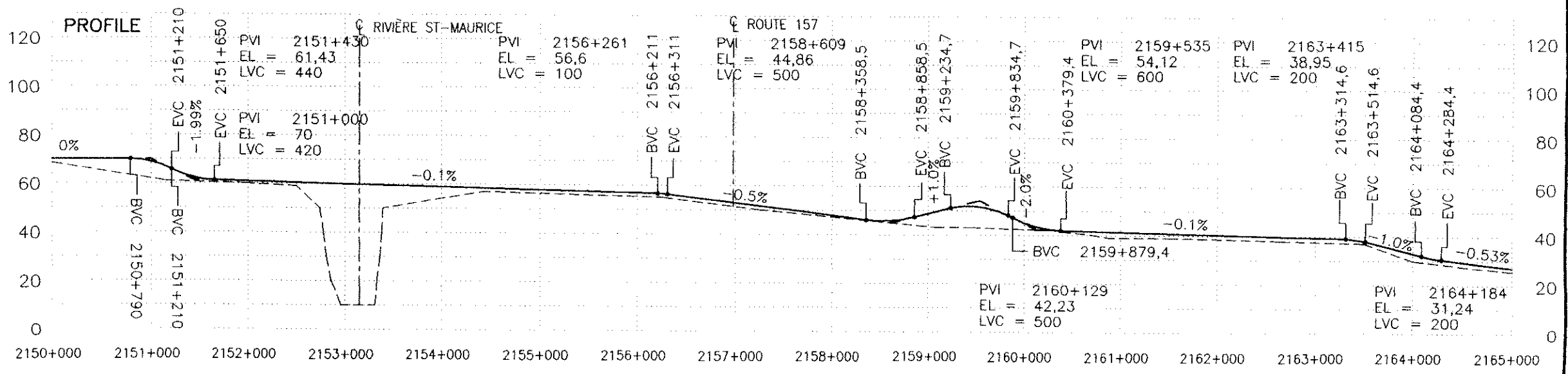
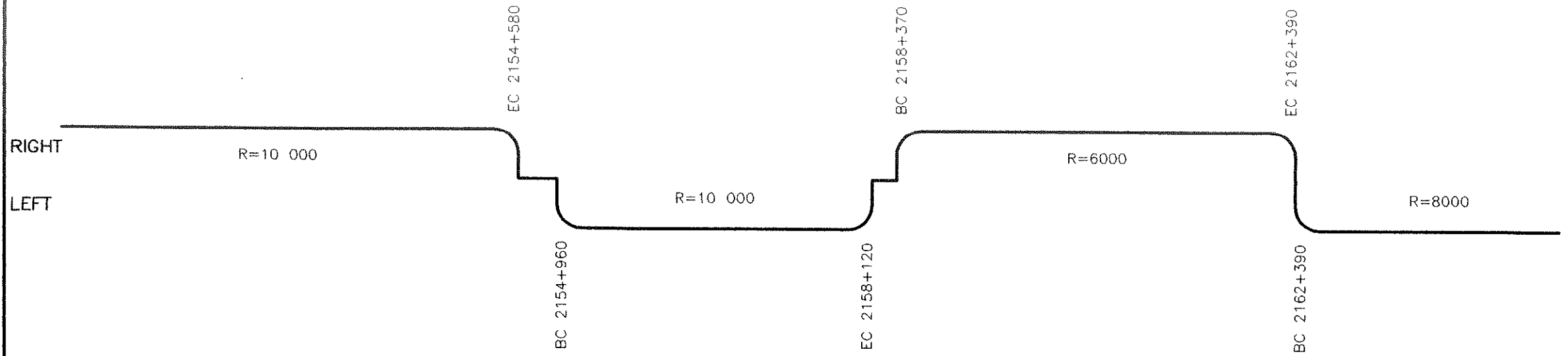


PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
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		SEGMENT CODE:	SHEET 10 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	200-250 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
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		SEGMENT CODE:	SHEET 11 OF 19

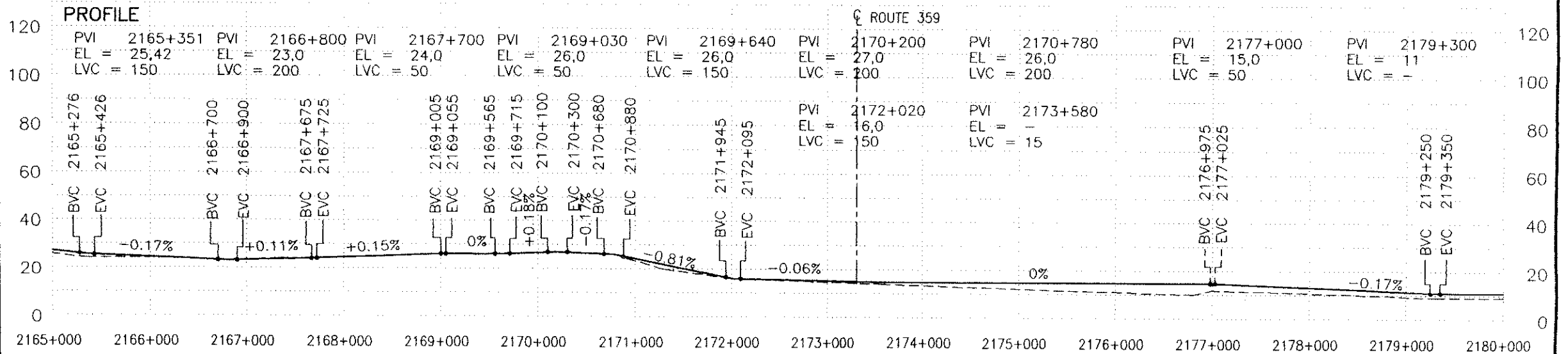
PLAN - SCHEMATIC

RIGHT

LEFT

R=8000

EC 2166+200



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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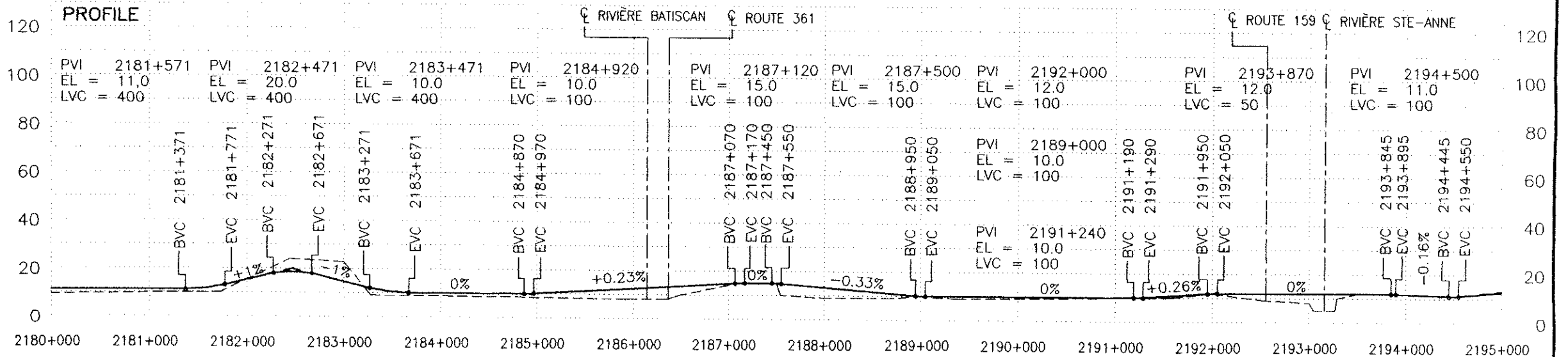
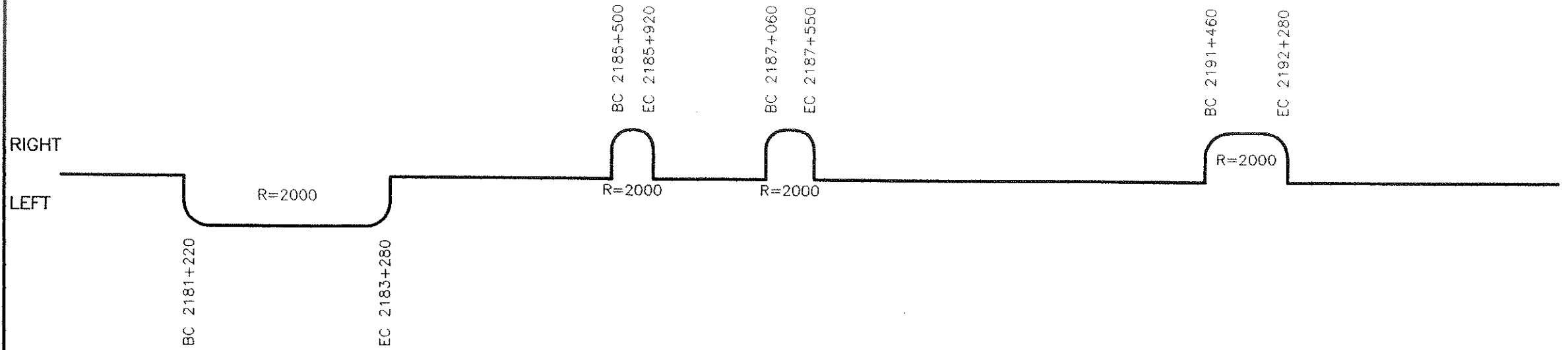
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REVISION:

SHEET 12 OF 19

PLAN - SCHEMATIC



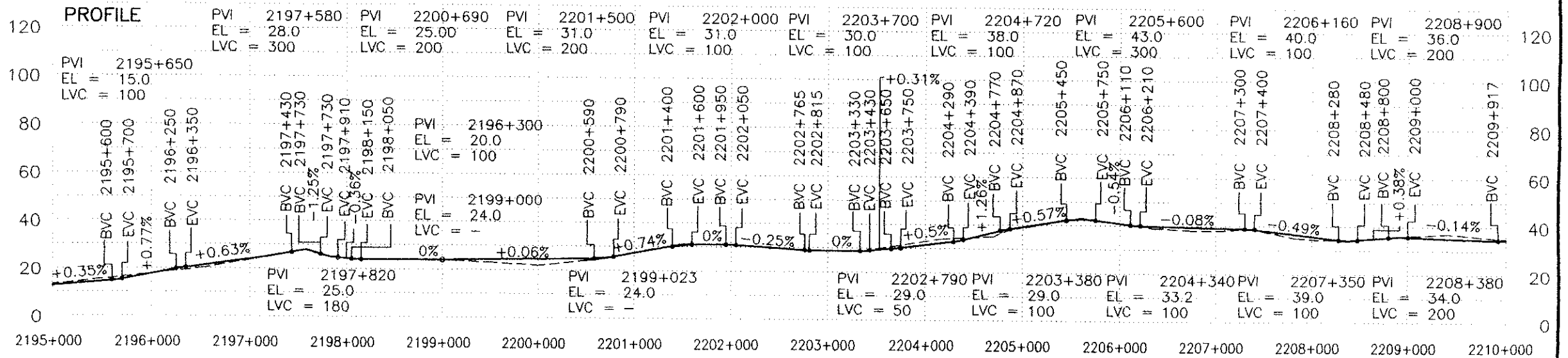
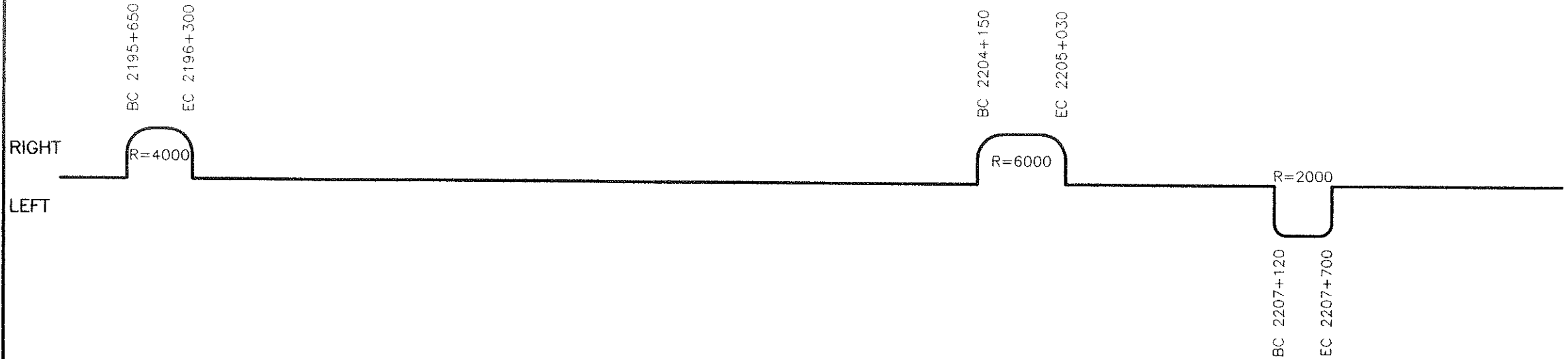
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 13 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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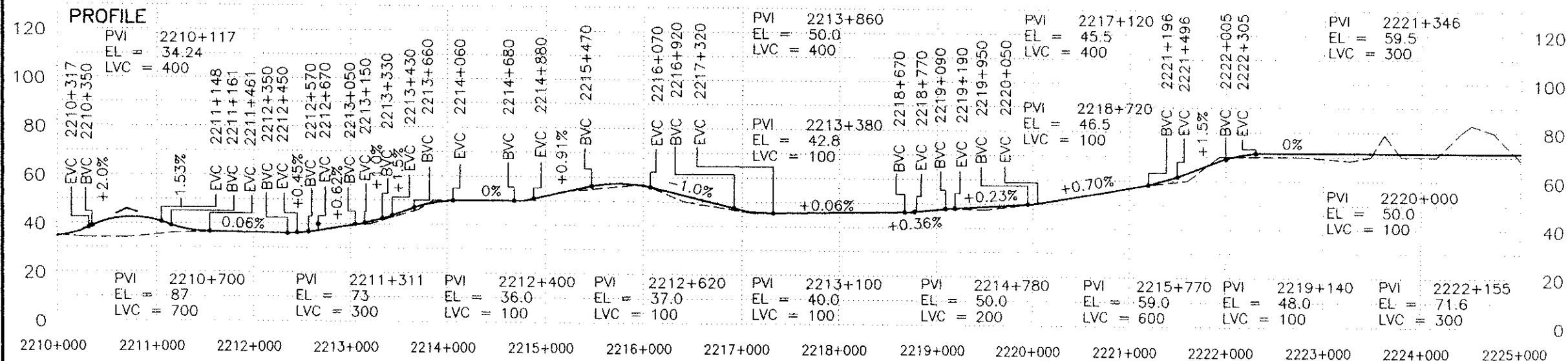
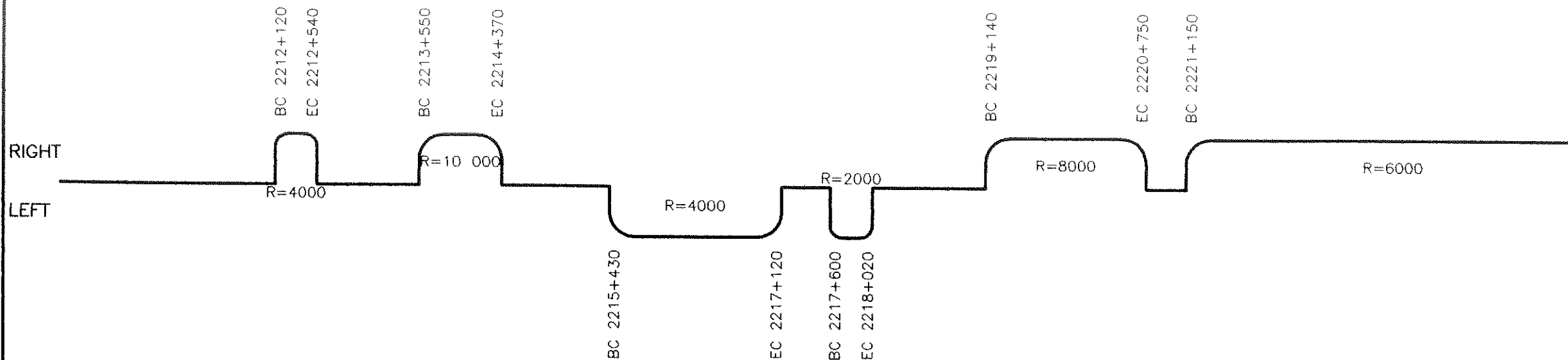
DATE: MAR/93

REVISION:

SEGMENT CODE:

SHEET 14 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000

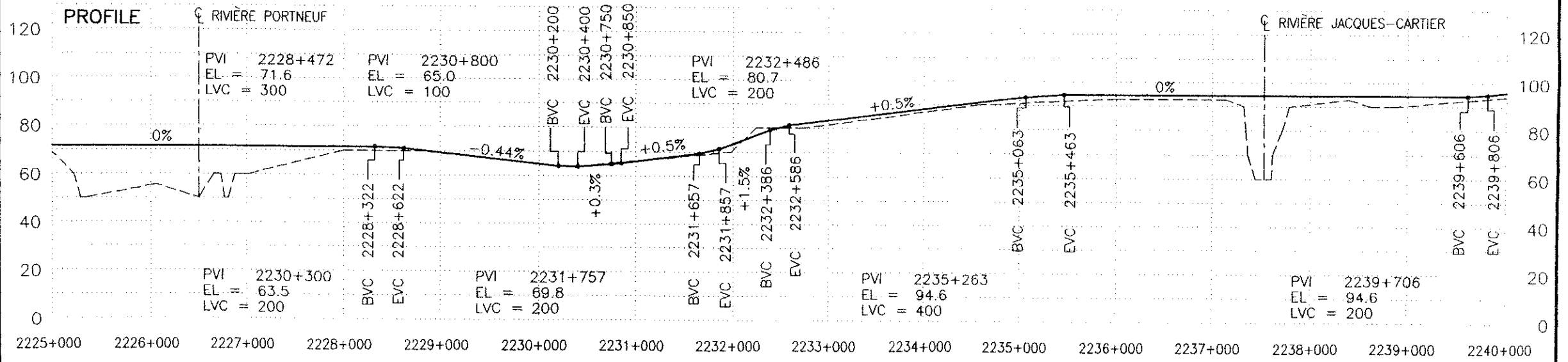
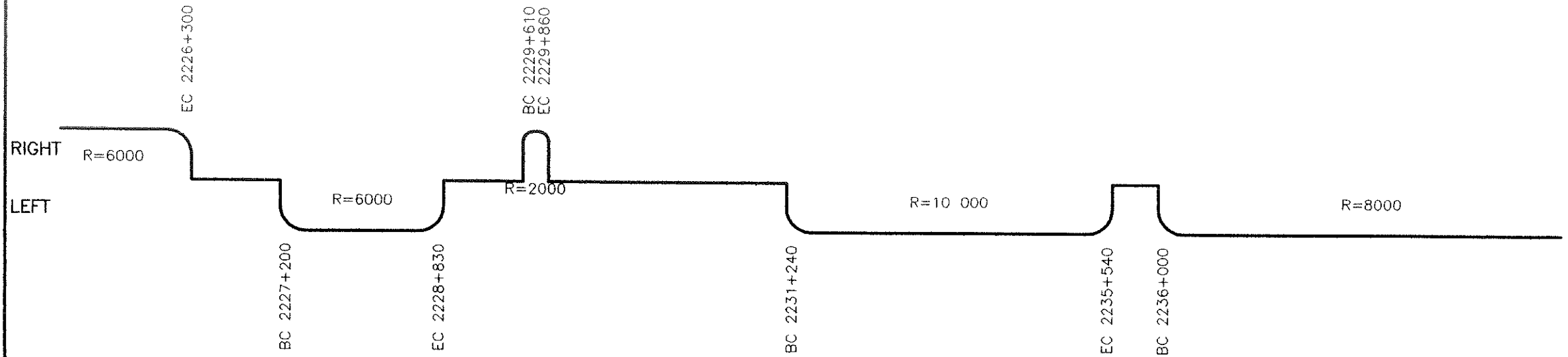
SEGMENT CODE:

DATE: MAR/93

REVISION:

SHEET 15 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000

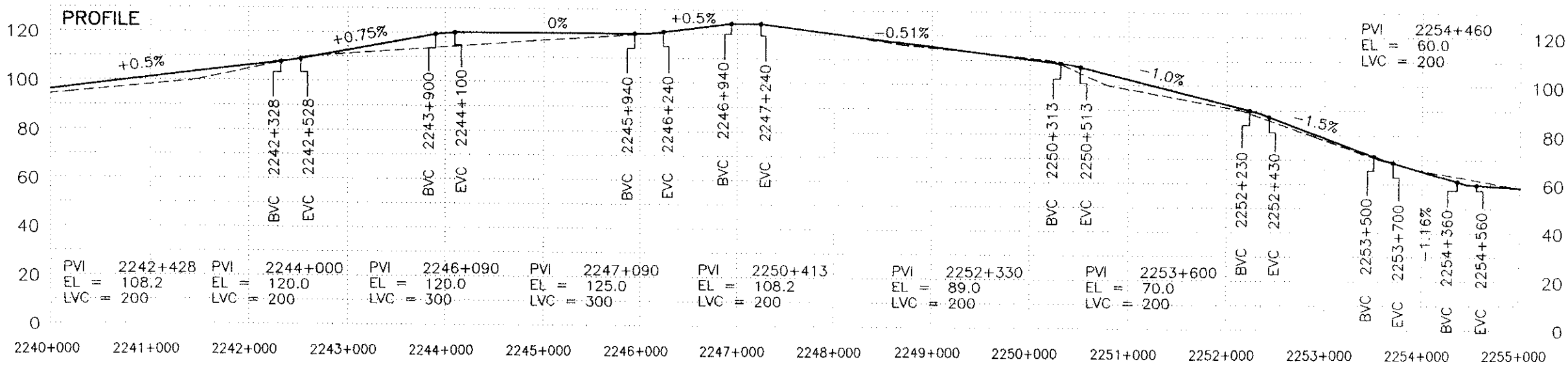
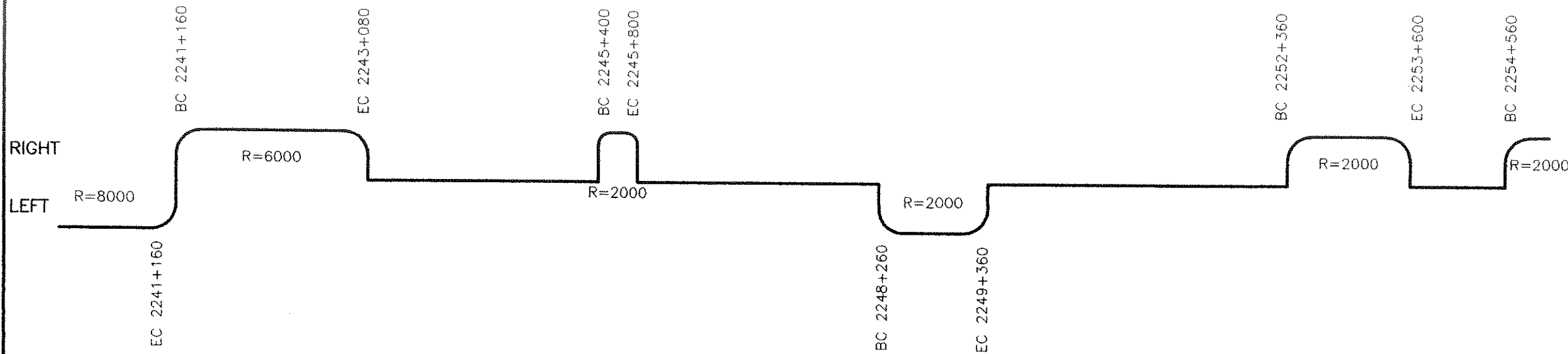
DATE: MAR/93

REVISION:

SEGMENT CODE:

SHEET 16 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

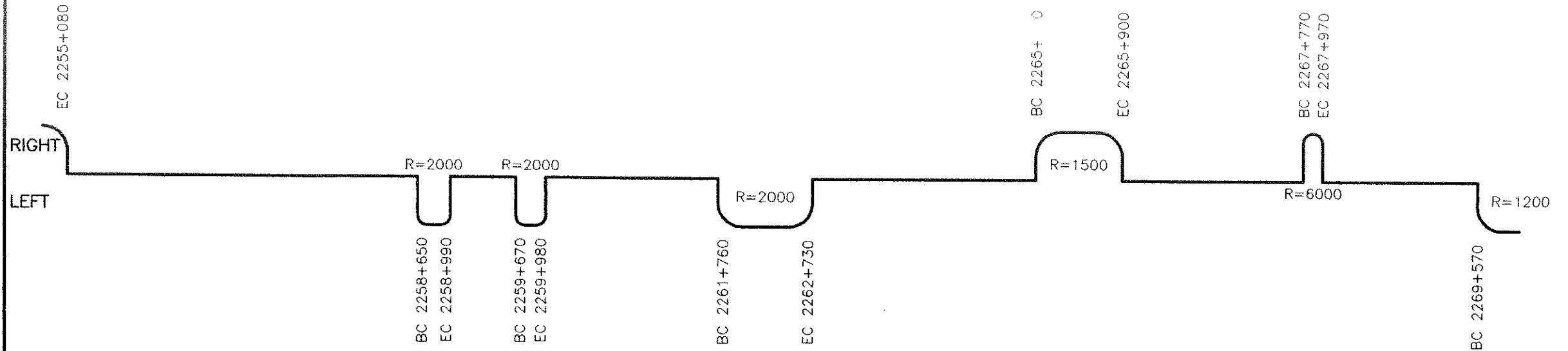
200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 17 OF 19

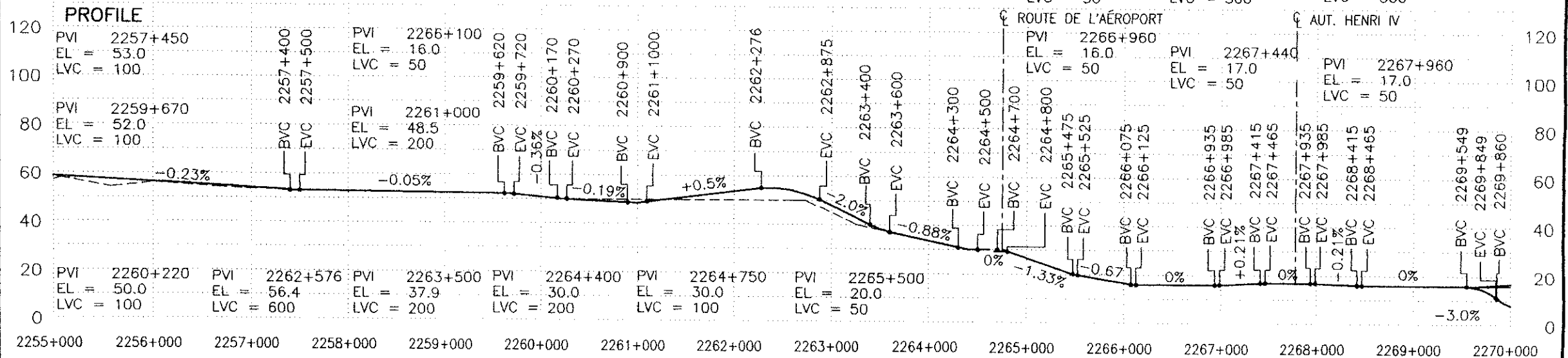


PLAN - SCHEMATIC



PVI 2268+440 EL = 16.0 LVC = 50  
 PVI 2269+699 EL = 16.0 LVC = 300  
 PVI 2270+010 EL = 6.66 LVC = 300

ROUTE DE L'AÉROPORT  
 PVI 2266+960 EL = 16.0 LVC = 50  
 AUT. HENRI IV  
 PVI 2267+440 EL = 17.0 LVC = 50  
 PVI 2267+960 EL = 17.0 LVC = 50



REVISION 2 93 02 04

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000

VER. 1:2000

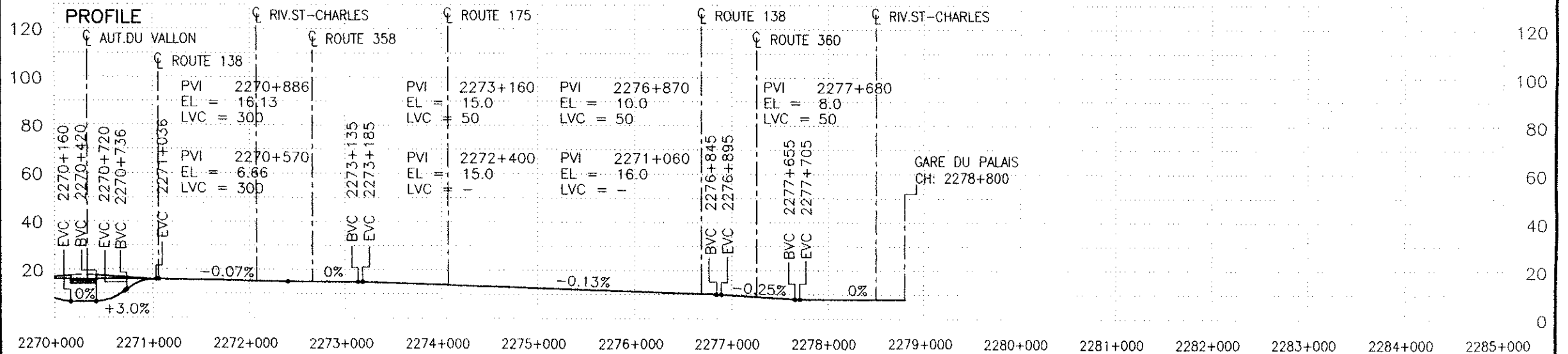
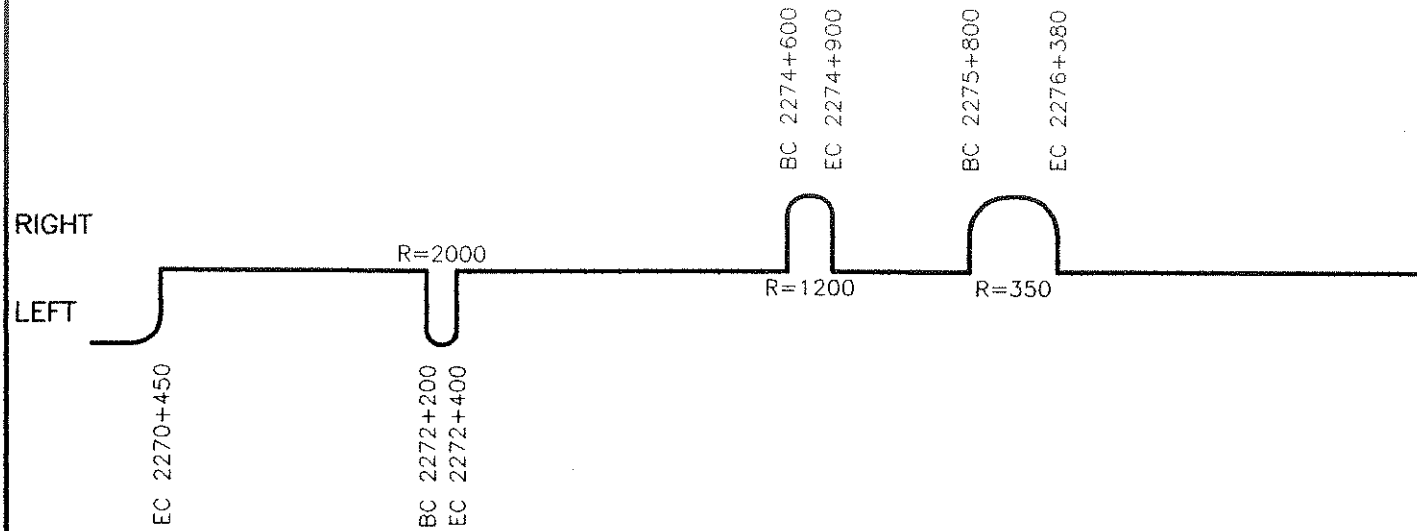
SEGMENT CODE:

DATE: MAR/93

REVISION:

SHEET 18 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

200-250 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 19 OF 19

**OVER 300 KPH NON-TILTING TECHNOLOGY IN EXISTING RAIL CORRIDORS**

**WINDSOR - OSHAWA**

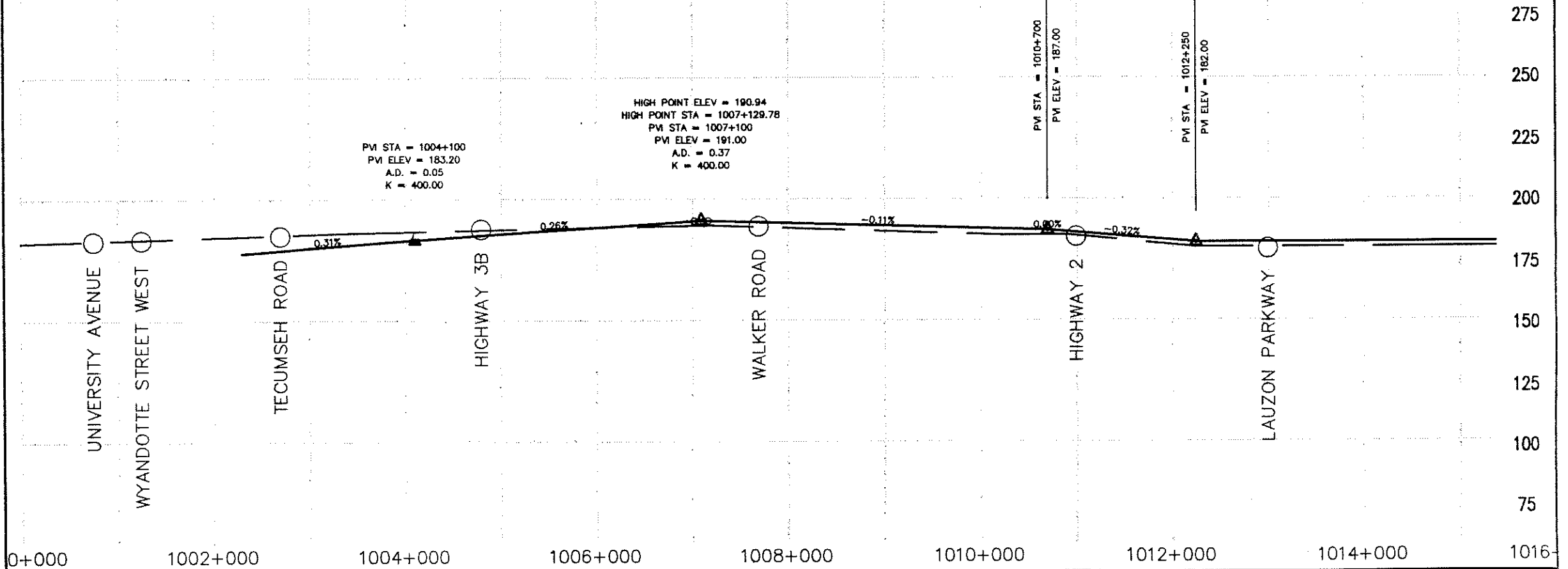
Schematic

R = 1000

Right

Left

Profile



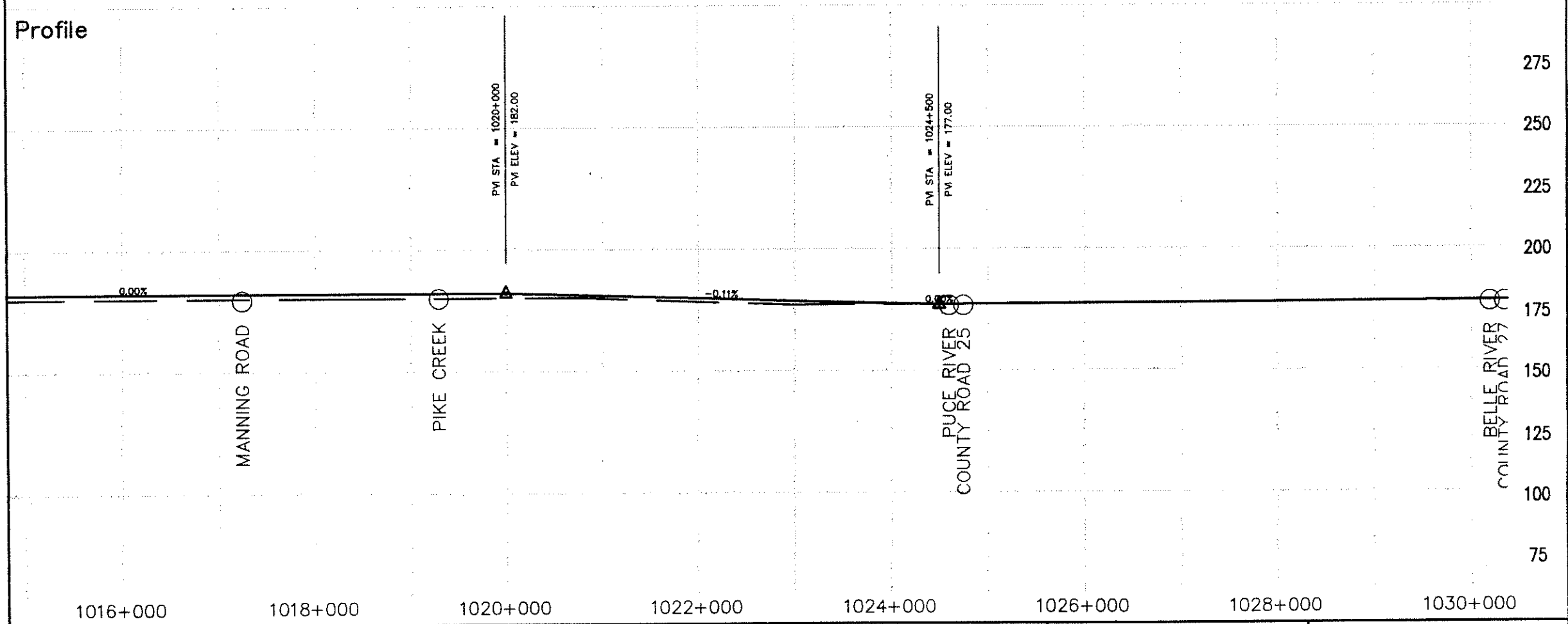
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-A0	SHEET: 1 OF 29

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WT1-A0

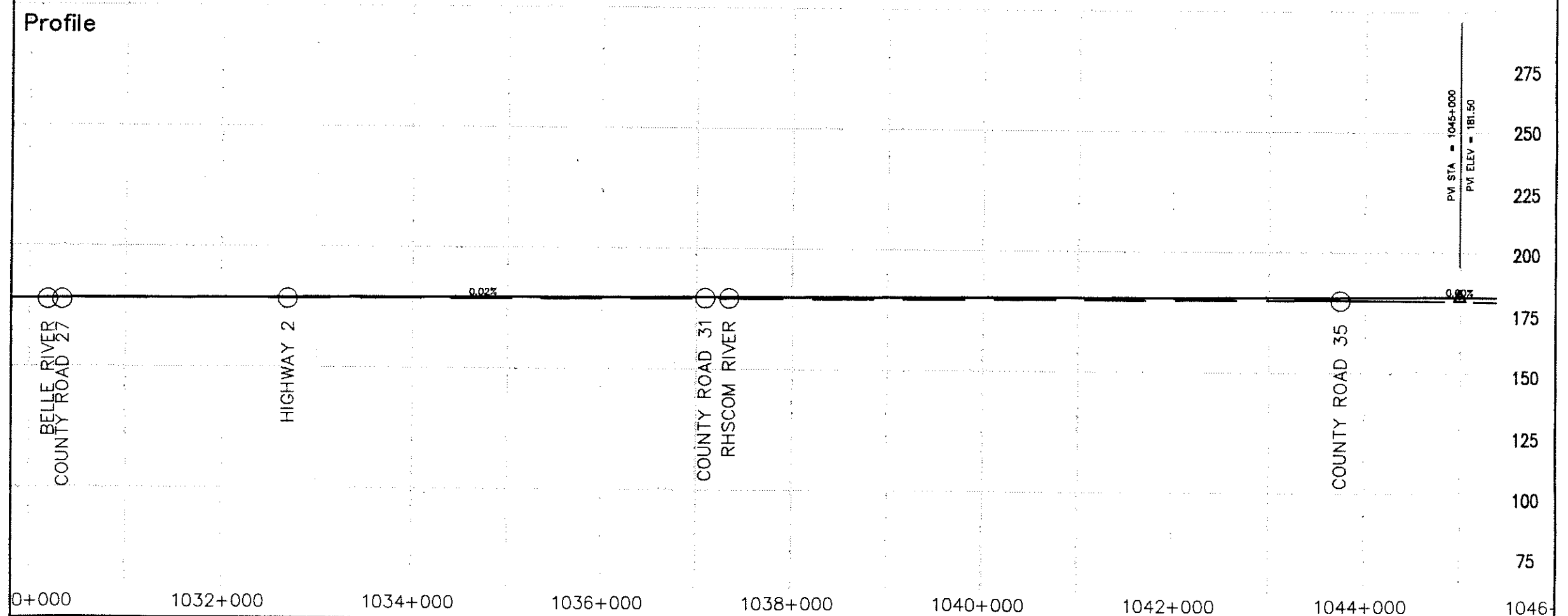
DATE: MAY/93  
 REVISION:  
 SHEET: 2 OF 29

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-A0	SHEET: 3 OF 29

Schematic

R = 10000

R = 10000

Right

Left

Profile

PV STA = 1045+000  
PV ELEV = 181.50

0.00%

275

250

225

200

175

150

125

100

75

1046+000

1048+000

1050+000

1052+000

1054+000

1056+000

1058+000

1060+000

BC 1050200

EC 1052900

BC 1054800

EC 1058300

COUNTY ROAD 37

BIG CREEK

TILBURY CREEK

COUNTY ROAD 1

BAPTISTE CREEK

BAPTISTE CREEK

-0.03%

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
WINDSOR - TORONTO

SCALE: HOR: 1:50000

VER: 1:2000

SEGMENT CODE: WT1-A0

DATE: MAY/93

REVISION:

SHEET: 4 OF 29

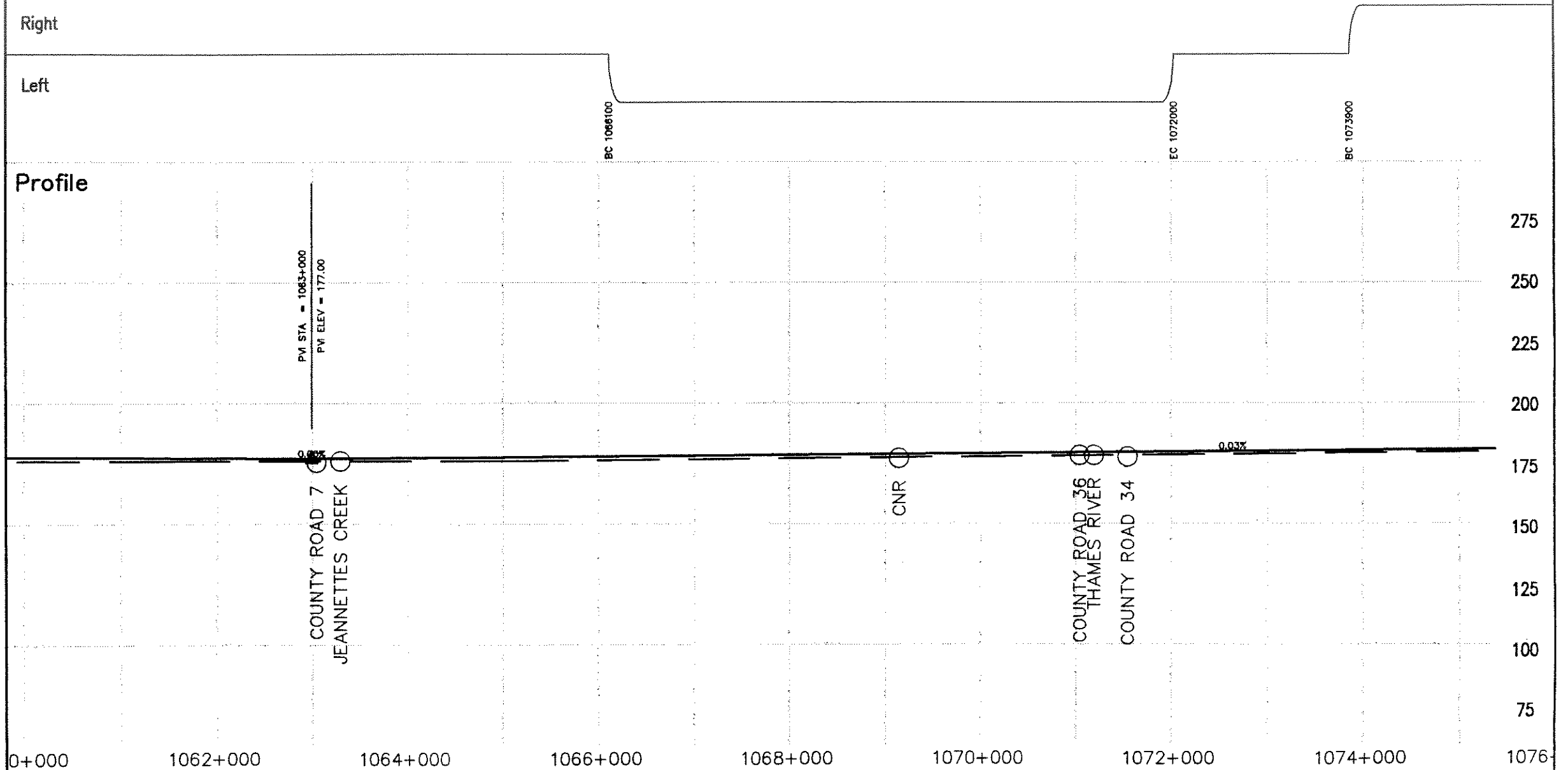
Schematic

R = 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-A0	SHEET: 5 OF 29



Schematic

R = 8000

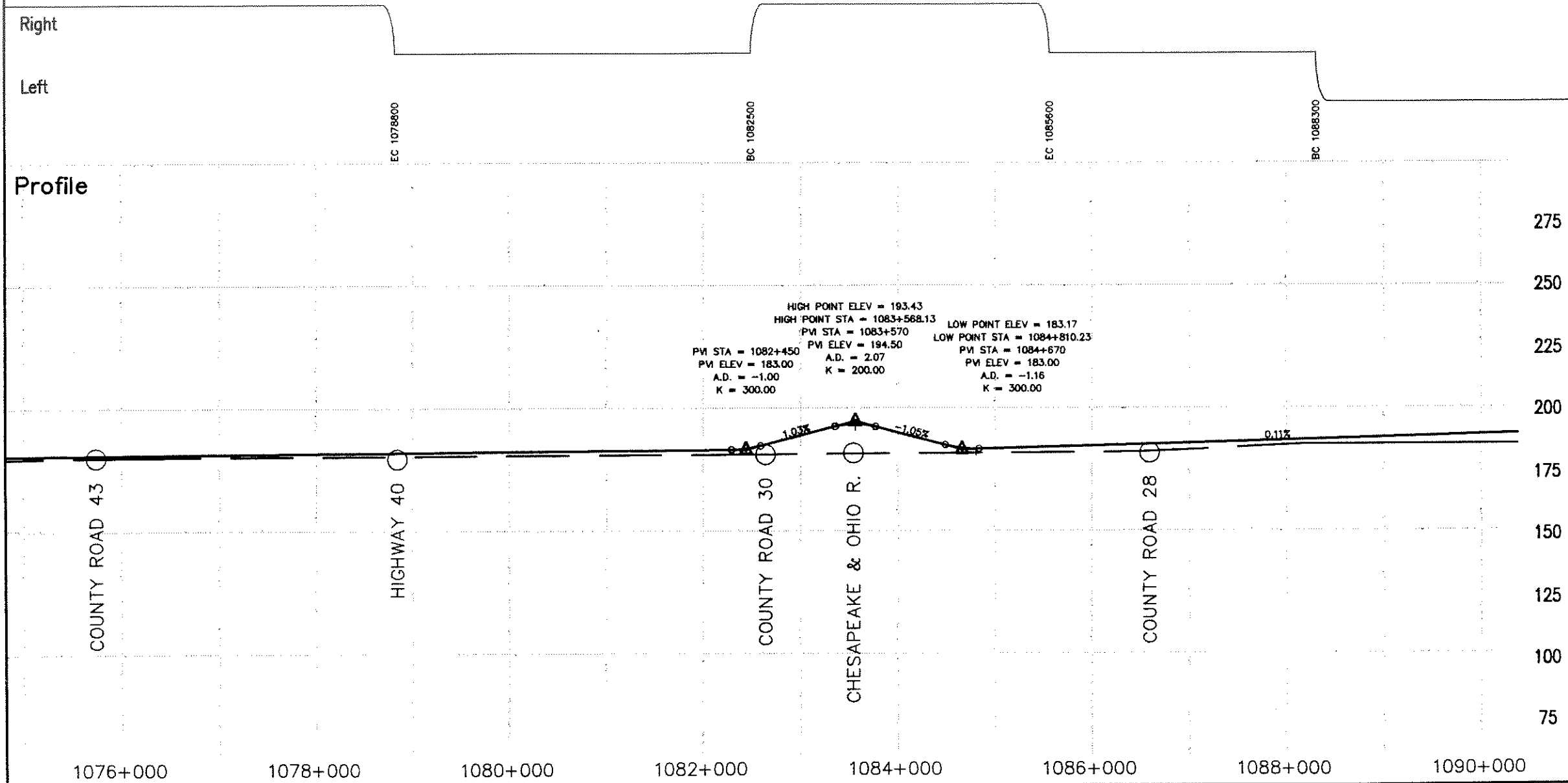
R = 8000

R = 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WT1-A0

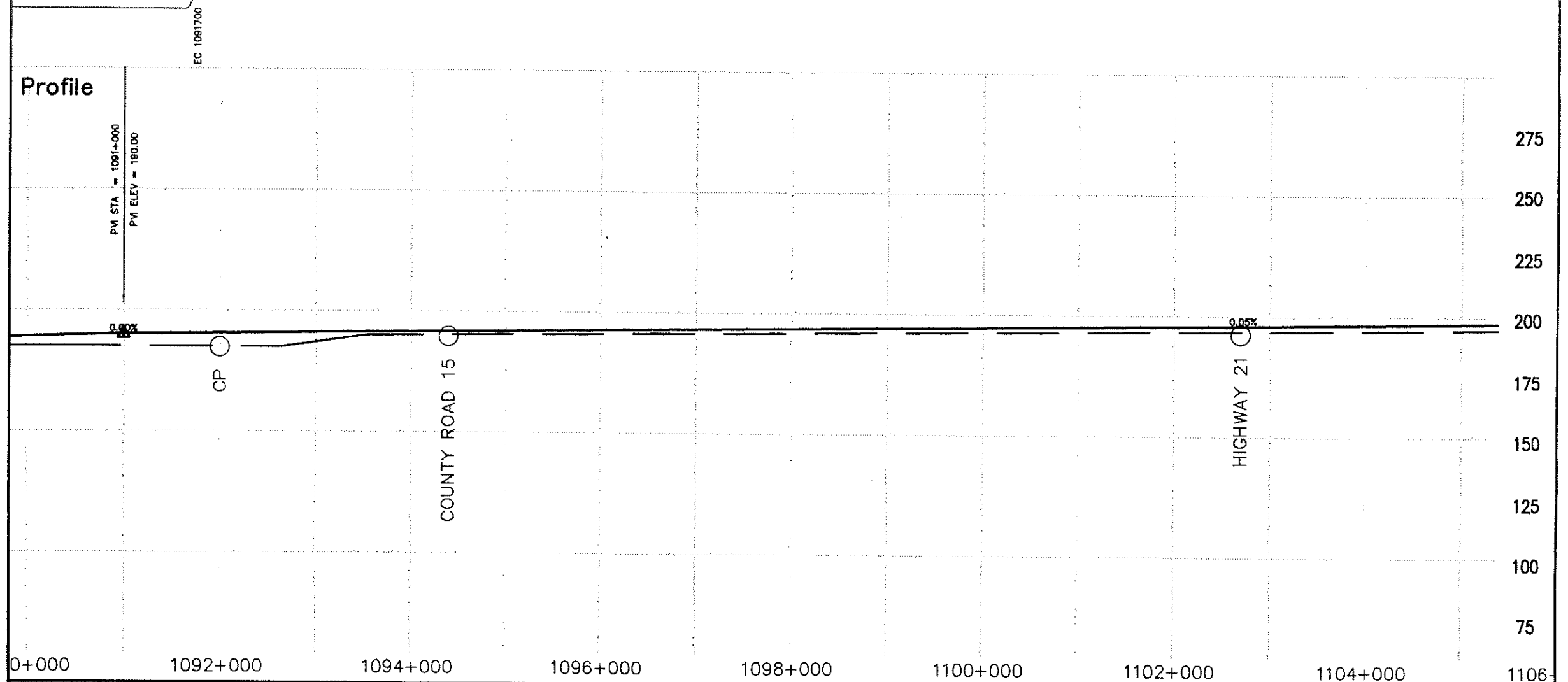
DATE: MAY/93  
 REVISION:  
 SHEET: 6 OF 29

Schematic  
= 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
WINDSOR - TORONTO

SCALE: HOR: 1:50000

VER: 1:2000

SEGMENT CODE: WT1-A0

DATE: MAY/93

REVISION:

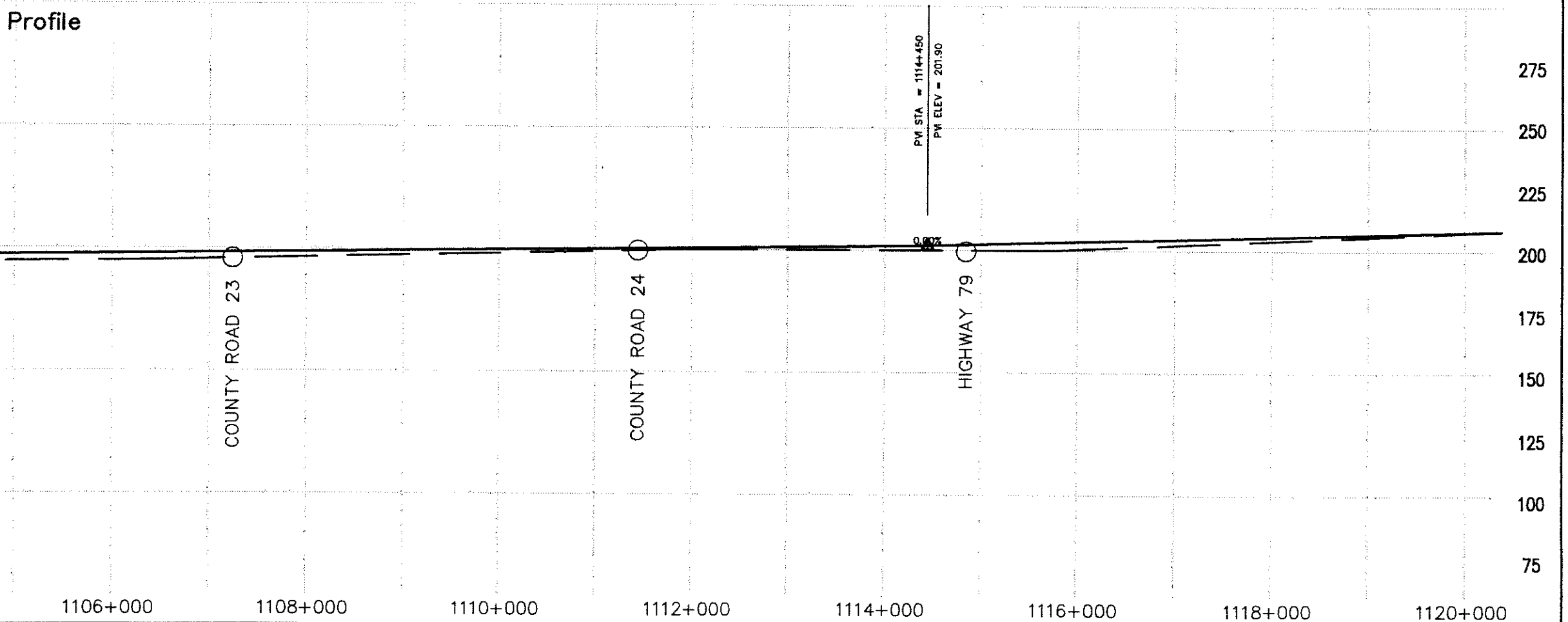
SHEET: 7 OF 29

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000

VER: 1:2000

SEGMENT CODE: WT1-A0

DATE: MAY/93

REVISION:

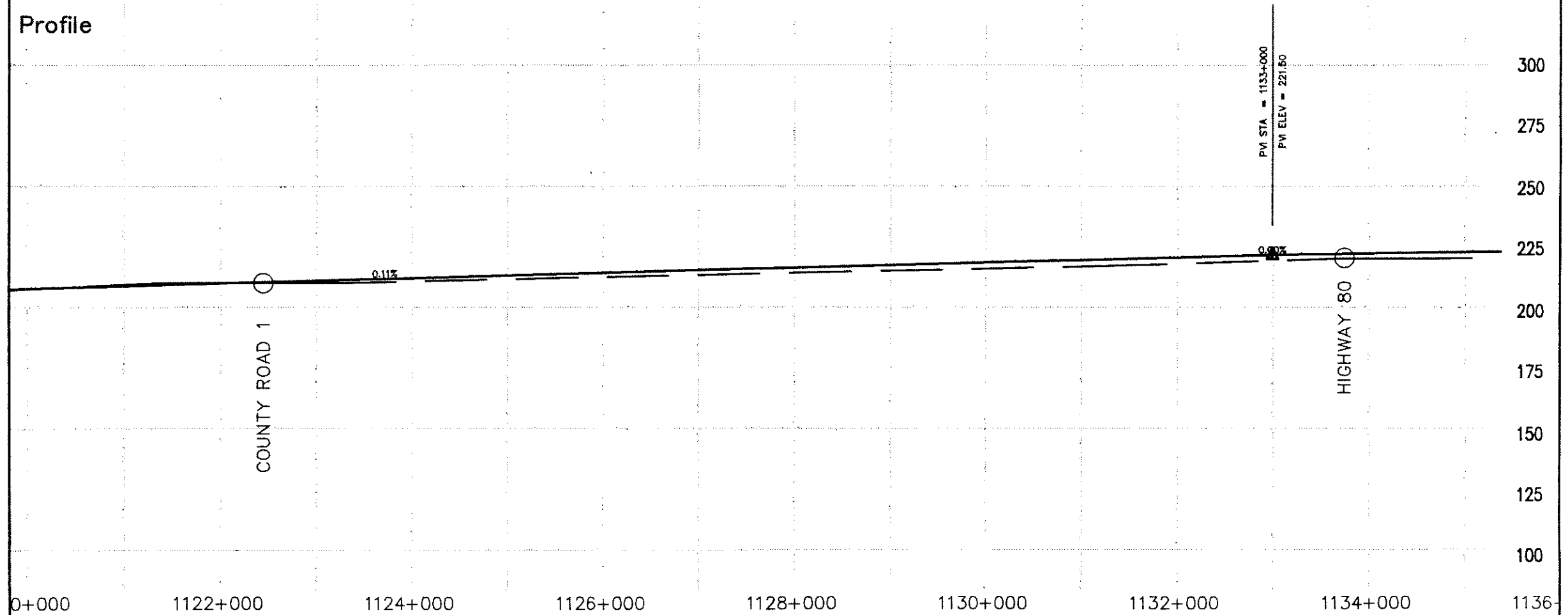
SHEET: 8 OF 29

Schematic

Right

Left

Profile



<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>300km/h PLUS ON EXISTING ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-A0	SHEET: 9 OF 29

# Schematic

Right

Left

## Profile

BC 1150400

325

300

275

250

225

200

175

150

125

0.06%

COUNTY ROAD 8

COUNTY ROAD 9

1136+000

1138+000

1140+000

1142+000

1144+000

1146+000

1148+000

1150+000

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000

VER: 1:2000

SEGMENT CODE: WT1-A0

DATE: MAY/93

REVISION:

SHEET: 10 OF 29

Schematic

R = 10000

R = 10000

Right

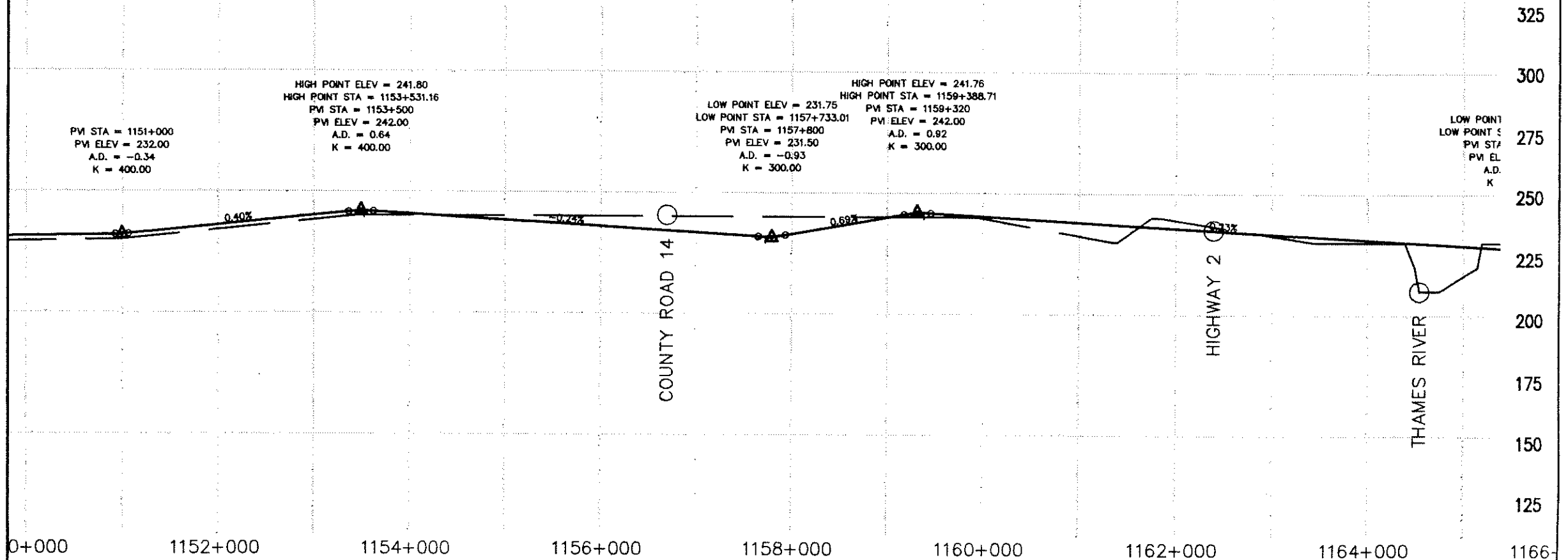
Left

BC 1150+00

EC 1160+00

BC 1163+00

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-A0	SHEET: 11 OF 29

Schematic  
10000

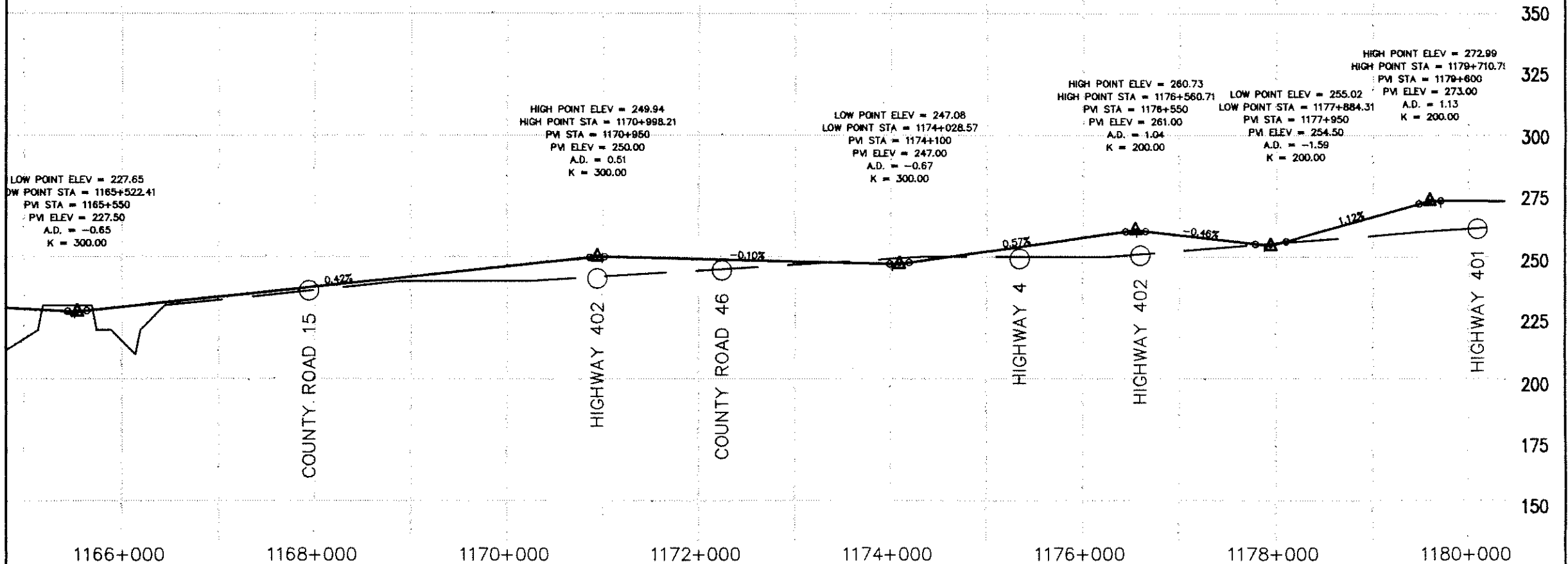
R = 10000

R = 10000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
WINDSOR - TORONTO

SCALE: HOR: 1:50000

VER: 1:2000

SEGMENT CODE: WT1-A0

DATE: MAY/93

REVISION:

SHEET: 12 OF 29

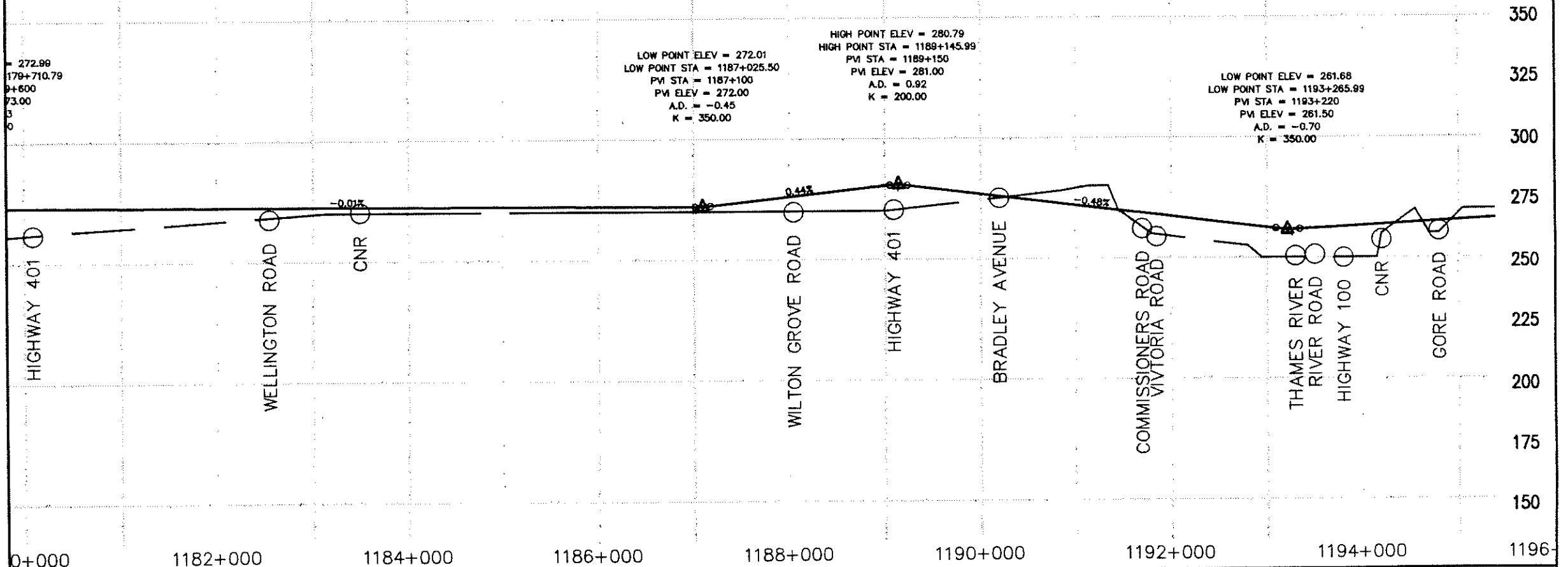
Schematic

R = 4000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-A0	SHEET: 13 OF 29



Schematic

R = 6000

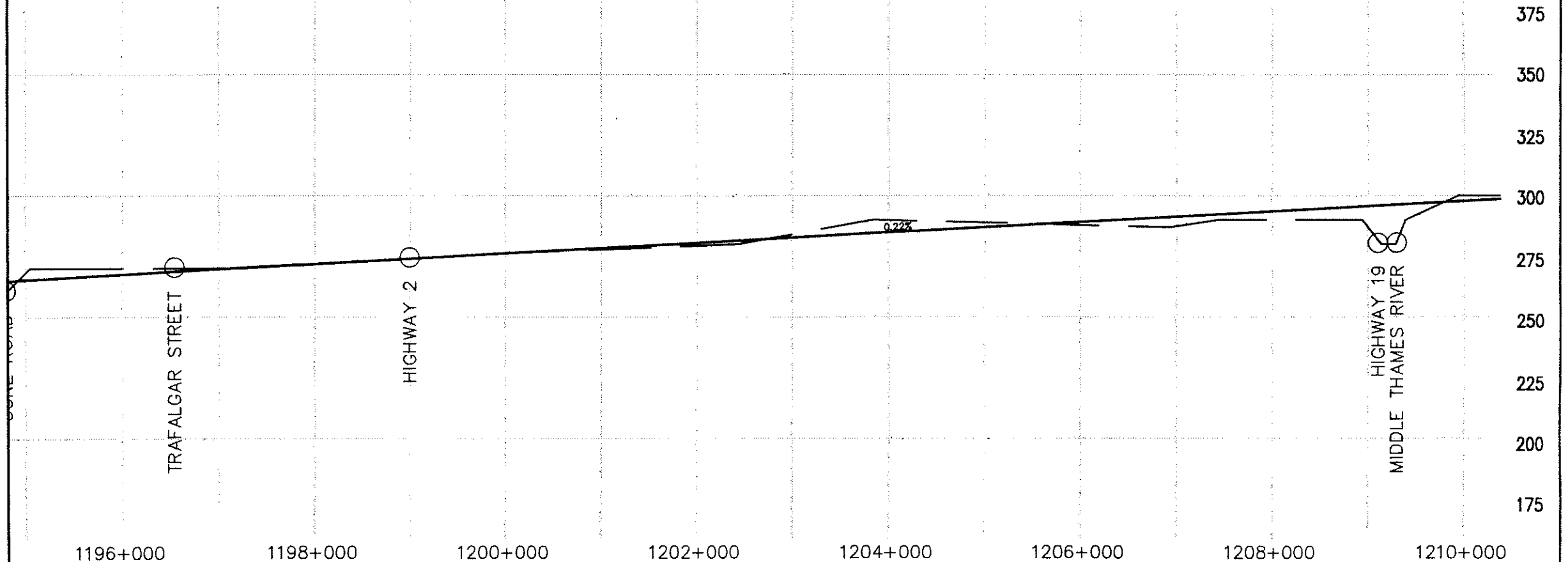
Right

Left

BC 1196200

EC 1201500

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WT1-B0

DATE: MAY/93  
 REVISION:  
 SHEET: 14 OF 29

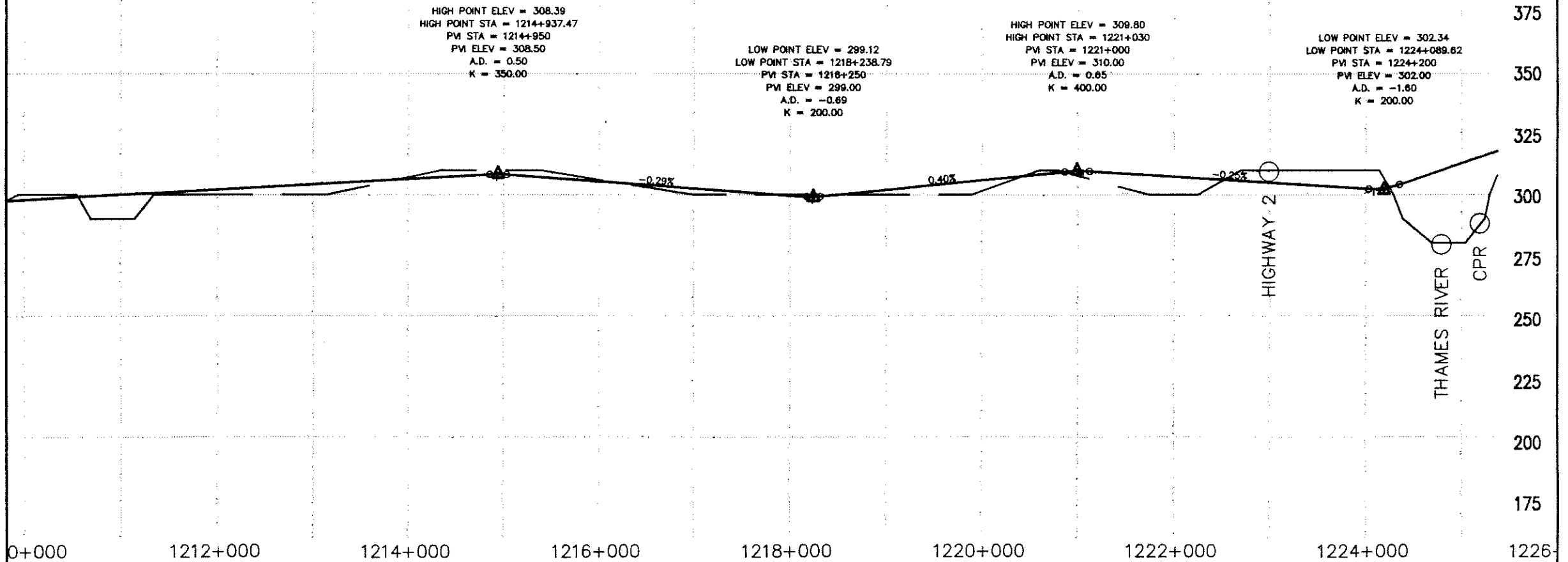
Schematic

R = 7000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-B0	SHEET: 15 OF 29

Schematic

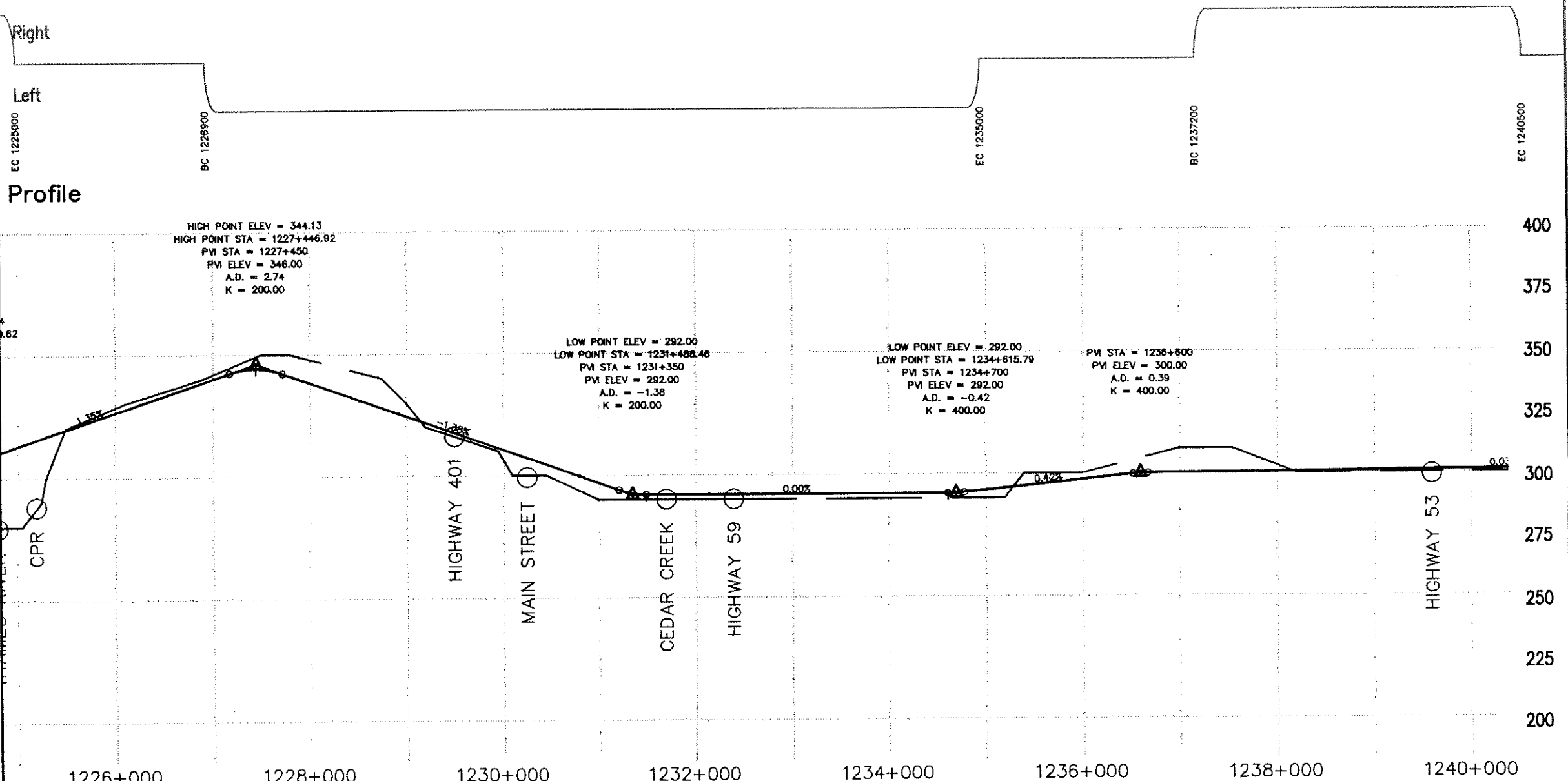
R = 7000

R = 7000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
WINDSOR - TORONTO

SCALE: HOR: 1:50000

VER: 1:2000

SEGMENT CODE: WT1-B0

DATE: MAY/93

REVISION:

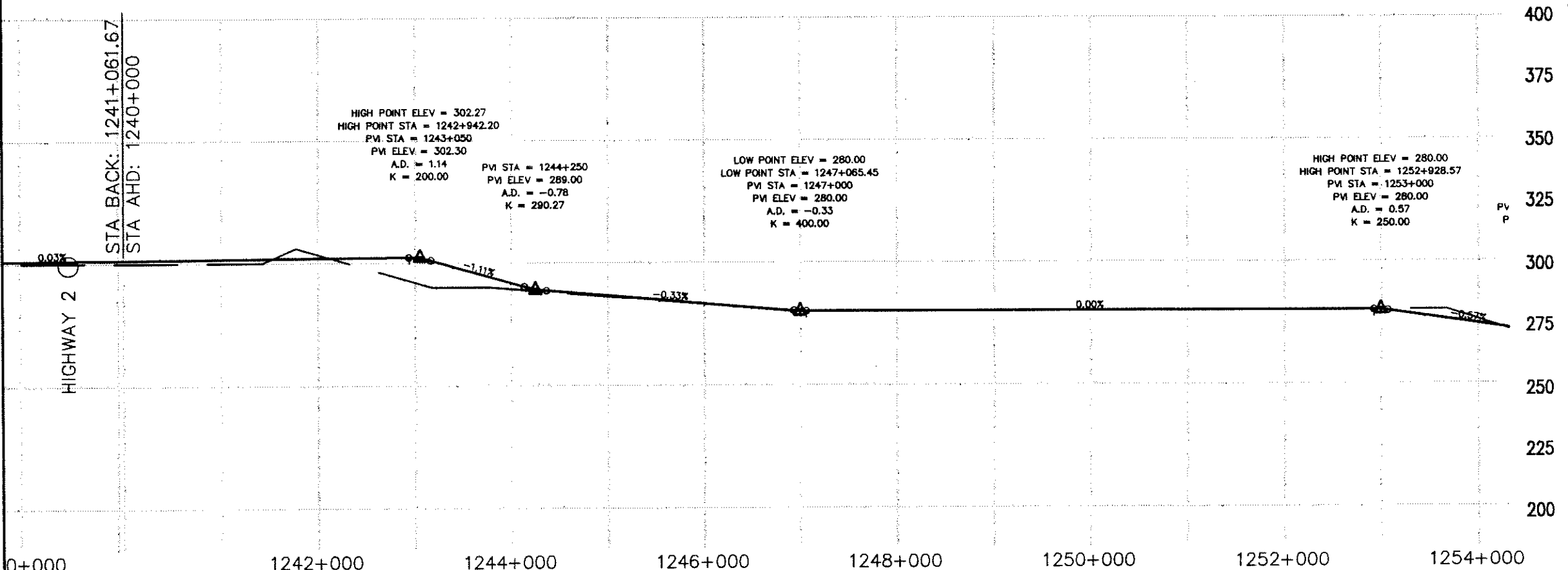
SHEET: 16 OF 29

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-B0	SHEET: 17 OF 29

Schematic

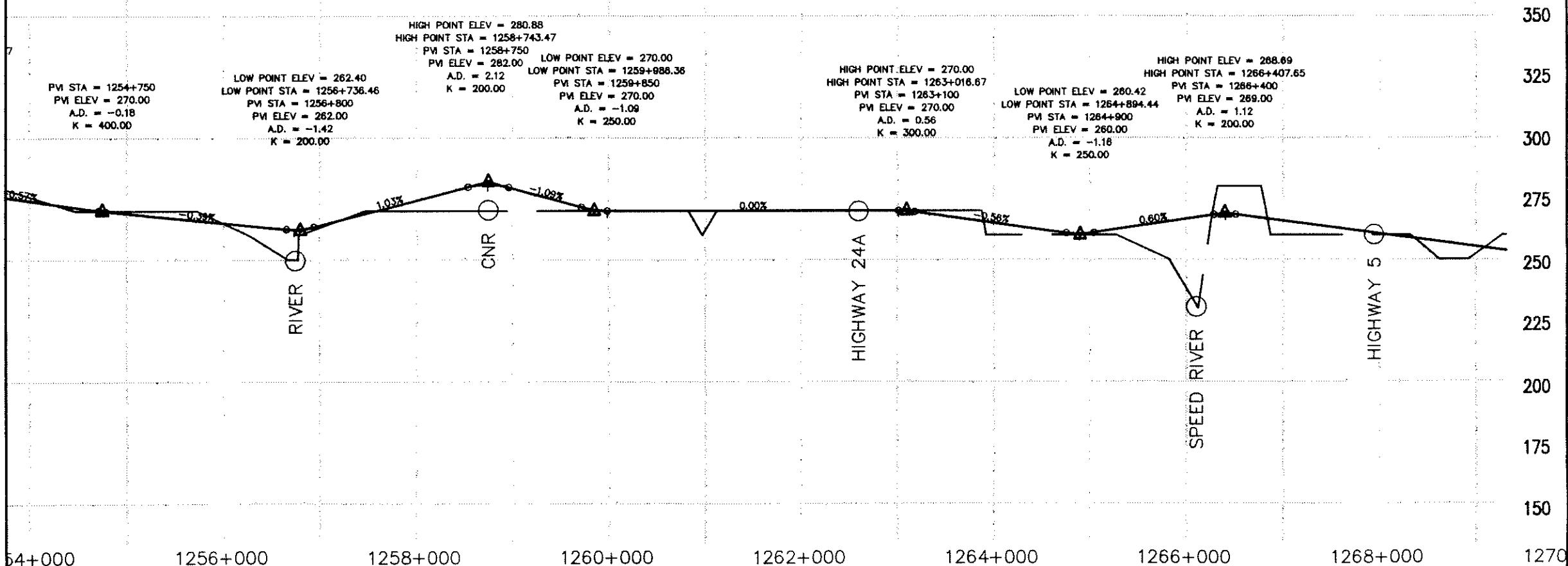
R = 8000

R = 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WT1-B0

DATE: MAY/93  
 REVISION:  
 SHEET: 18 OF 29

Schematic

Right

Left

R = 10000

R = 10000

BC 1276500

EC 1277500

BC 1278800

EC 1280100

Profile

325

300

275

250

225

200

175

150

125

LOW POINT ELEV = 230.00  
 LOW POINT STA = 1273+928.52  
 PVI STA = 1273+850  
 PVI ELEV = 230.00  
 A.D. = -0.52  
 K = 300.00

HIGH POINT ELEV = 230.00  
 HIGH POINT STA = 1275+500  
 PVI STA = 1275+600  
 PVI ELEV = 230.00  
 A.D. = 1.00  
 K = 200.00

LOW POINT ELEV = 218.26  
 LOW POINT STA = 1278+874.42  
 PVI STA = 1276+800  
 PVI ELEV = 218.00  
 A.D. = -1.26  
 K = 200.00

HIGH POINT ELEV = 228.99  
 HIGH POINT STA = 1281+148.34  
 PVI STA = 1281+100  
 PVI ELEV = 229.00  
 A.D. = 0.28  
 K = 400.00

0.52%

HIGHWAY 24

0.00%

-1.00%

CN

0.26%

1270+000

1272+000

1274+000

1276+000

1278+000

1280+000

1282+000

1284+000

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000

VER: 1:2000

SEGMENT CODE: WT1-B0

DATE: MAY/93

REVISION:

SHEET: 19 OF 29

Schematic

Right

Left

Profile

R = 6000

R

BC 1289500

EC 1291700

BC 1298900

PVI STA = 1289+400  
 PVI ELEV = 227.00  
 A.D. = 0.95  
 K = 300.00

300

275

250

225

200

175

150

125

100

0.82%

-0.97%

HIGHWAY 52

CNR

PVI STA  
 PVI ELEV  
 A.D.  
 K =

1284+000      1286+000      1288+000      1290+000      1292+000      1294+000      1296+000      1298+000      1300

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000

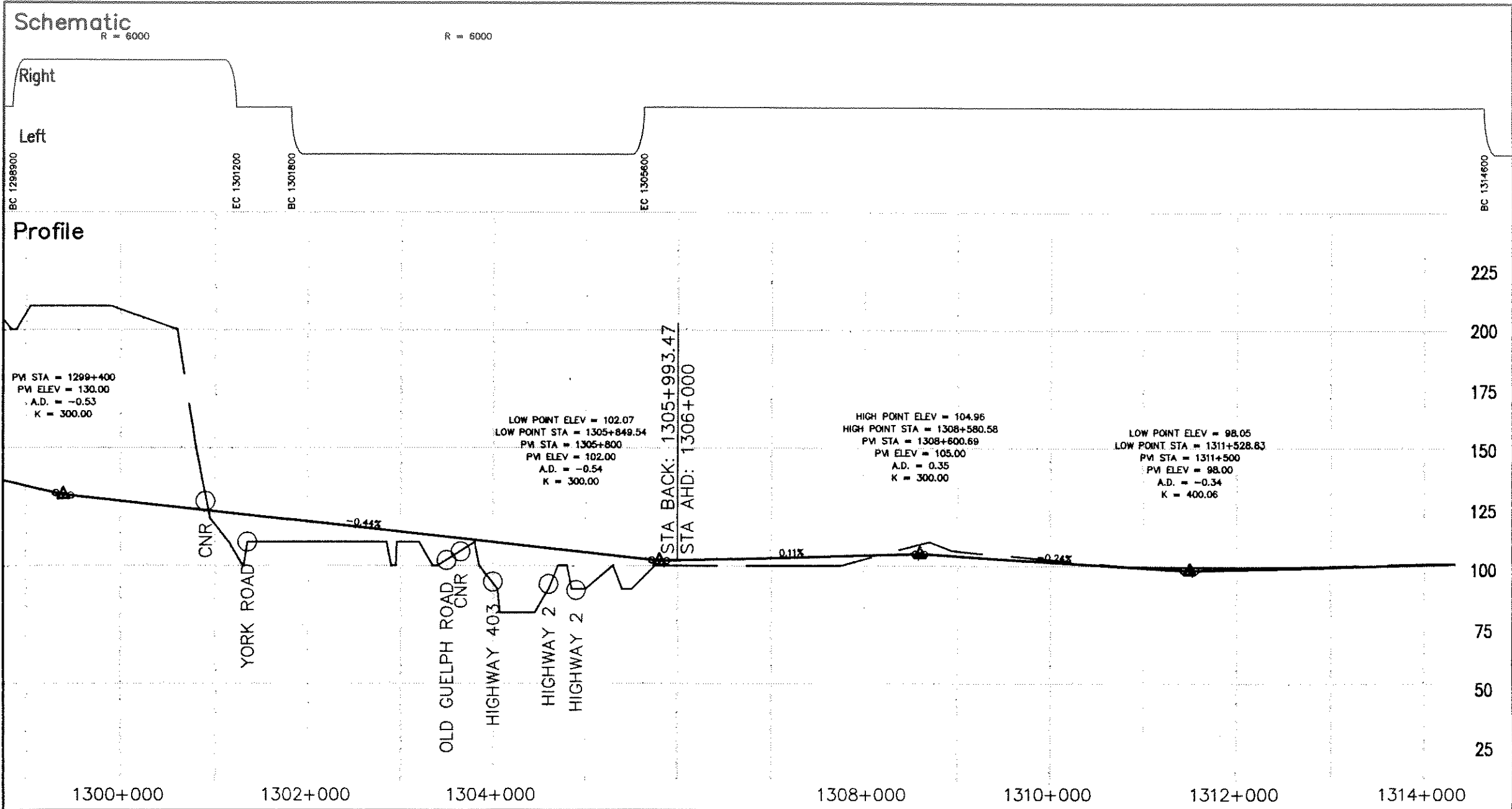
VER: 1:2000

SEGMENT CODE: WT1-B0

DATE: MAY/93

REVISION:

SHEET: 20 OF 29



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-C0	SHEET: 21 OF 29



Schematic

R = 8000

R =

Right

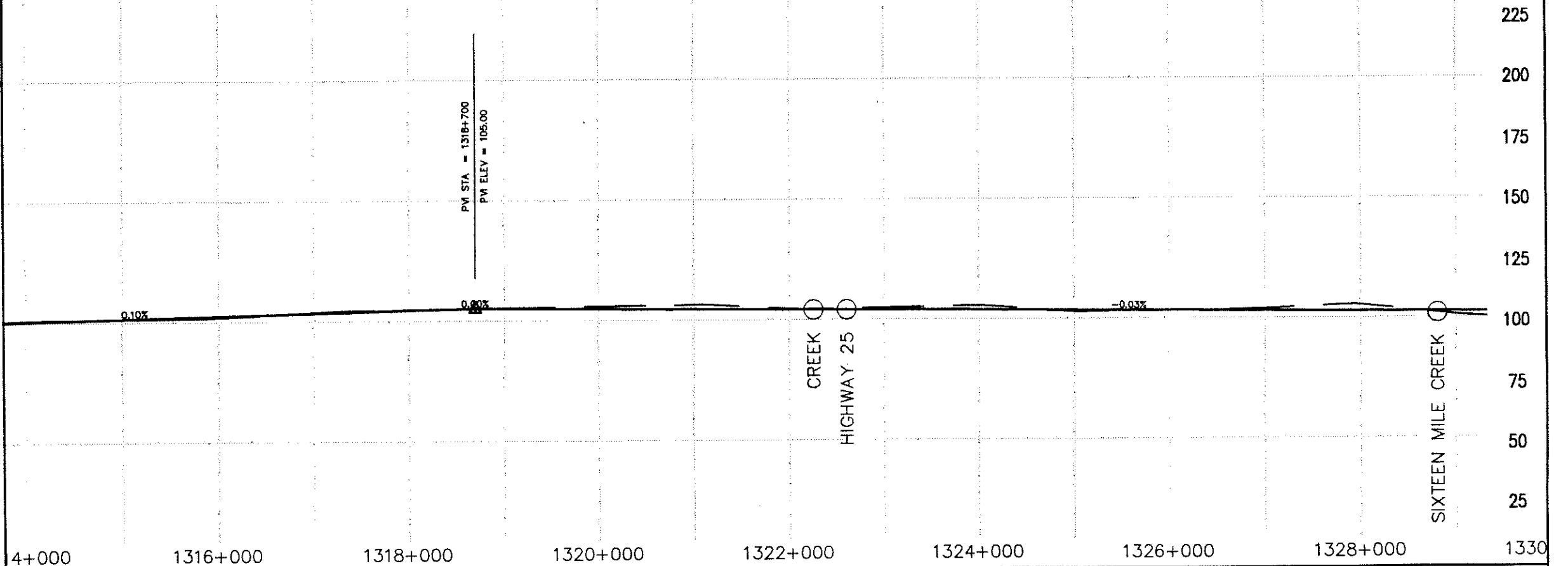
Left

BC 1314600

EC 1316400

BC 1329400

Profile



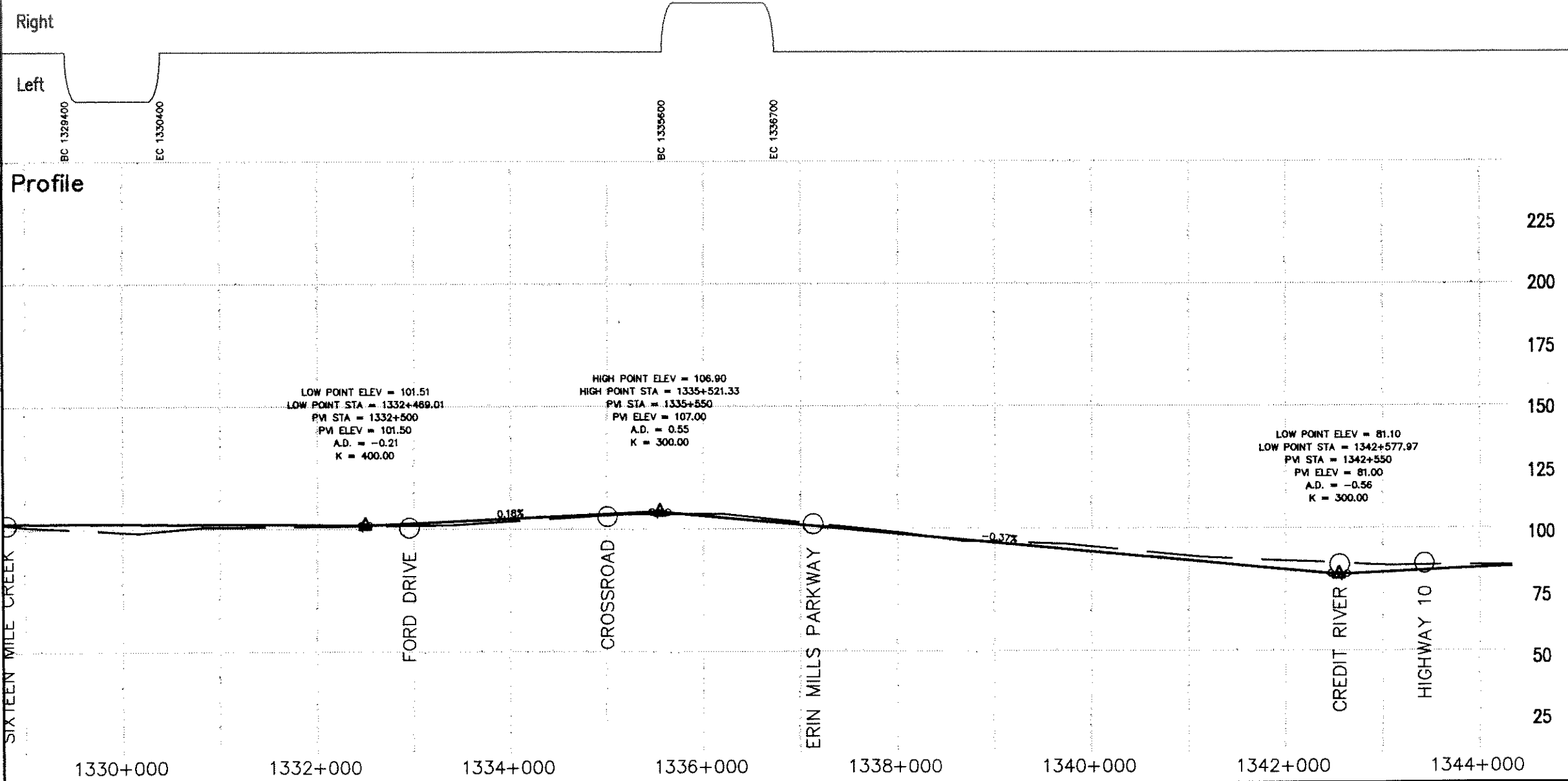
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-C0	SHEET: 22 OF 29

**Schematic**  
R = 8000

Right

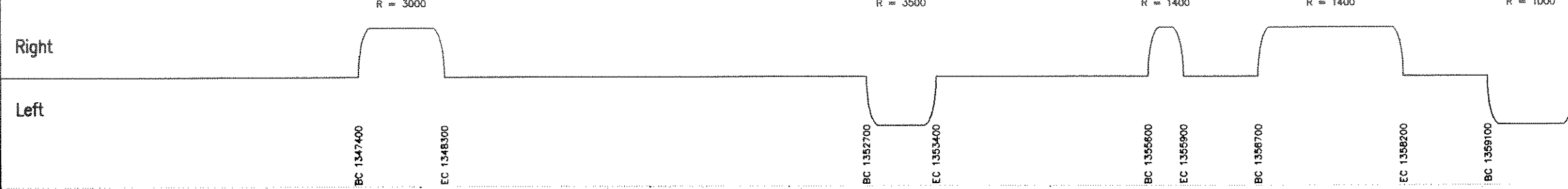
Left

**Profile**

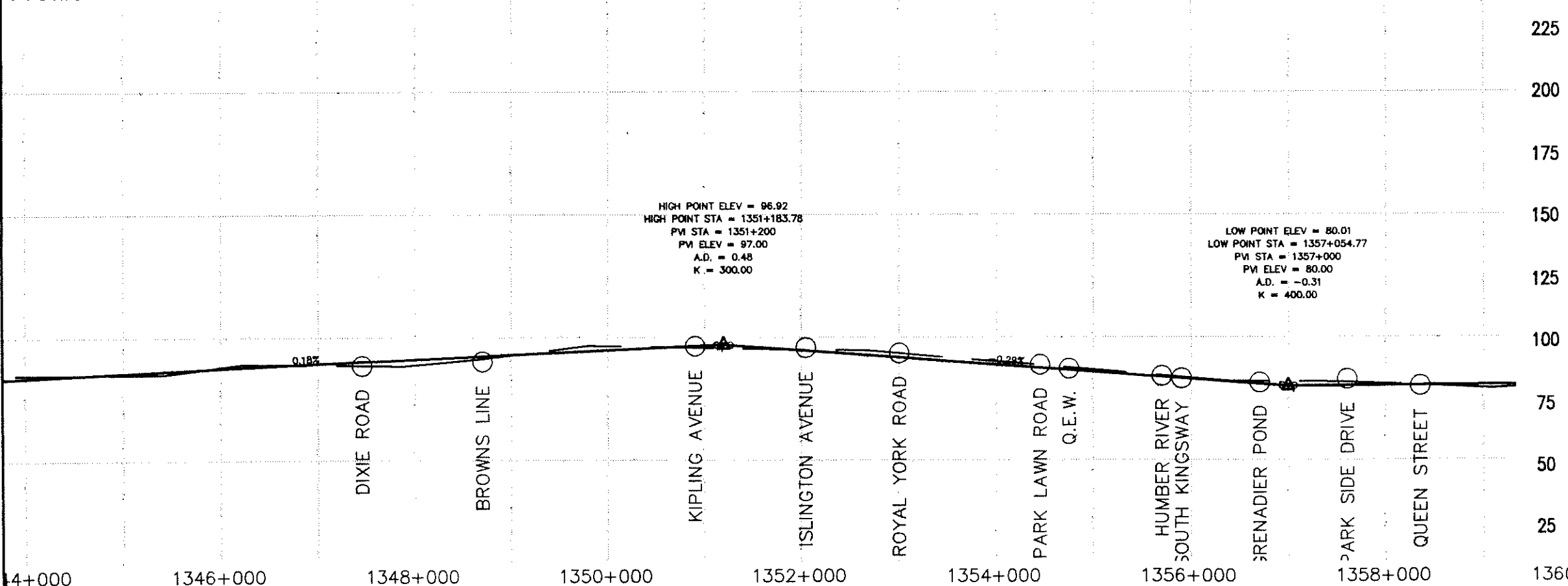


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-C0	SHEET: 23 OF 29

Schematic

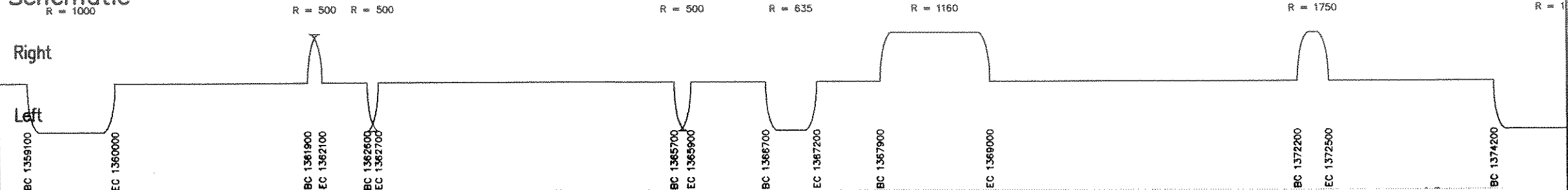


Profile

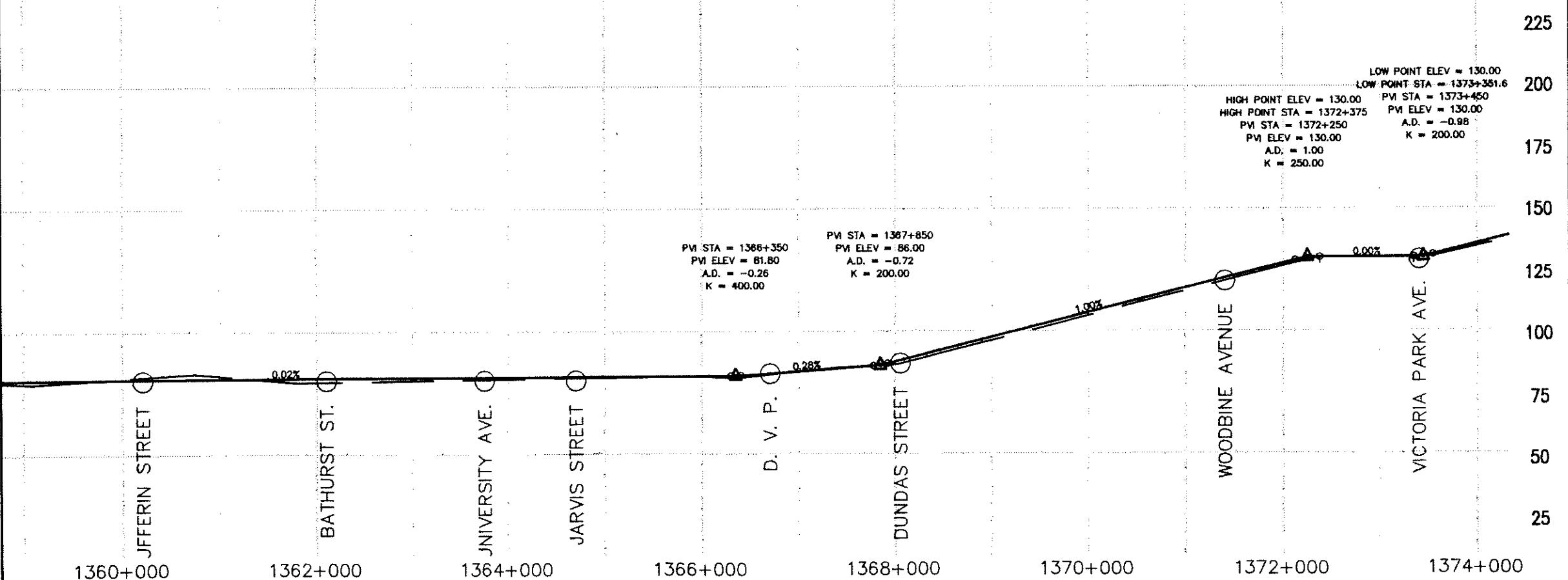


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WT1-C0	SHEET: 24 OF 29

# Schematic



# Profile

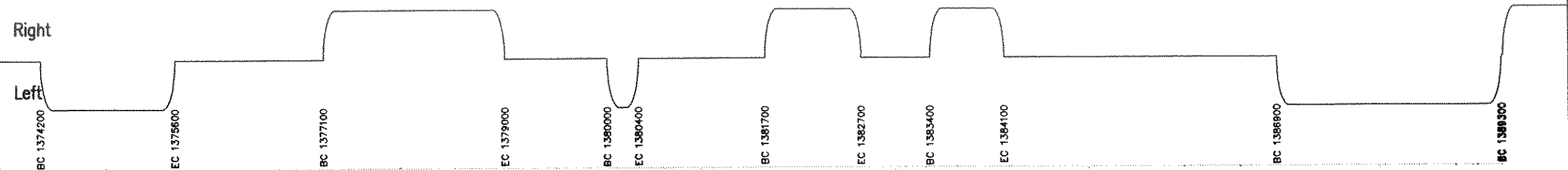


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

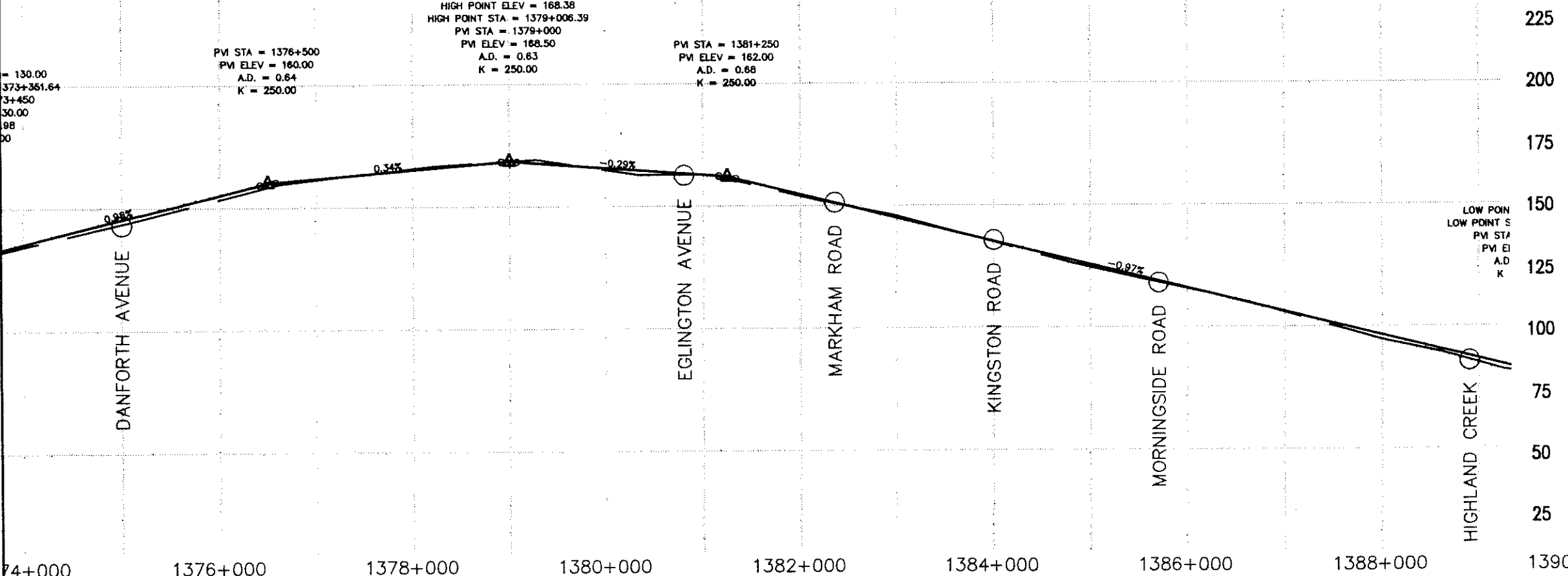
300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000	DATE: MAY/93
VER: 1:2000	REVISION:
SEGMENT CODE: TM1-A0	SHEET: 25 OF 29

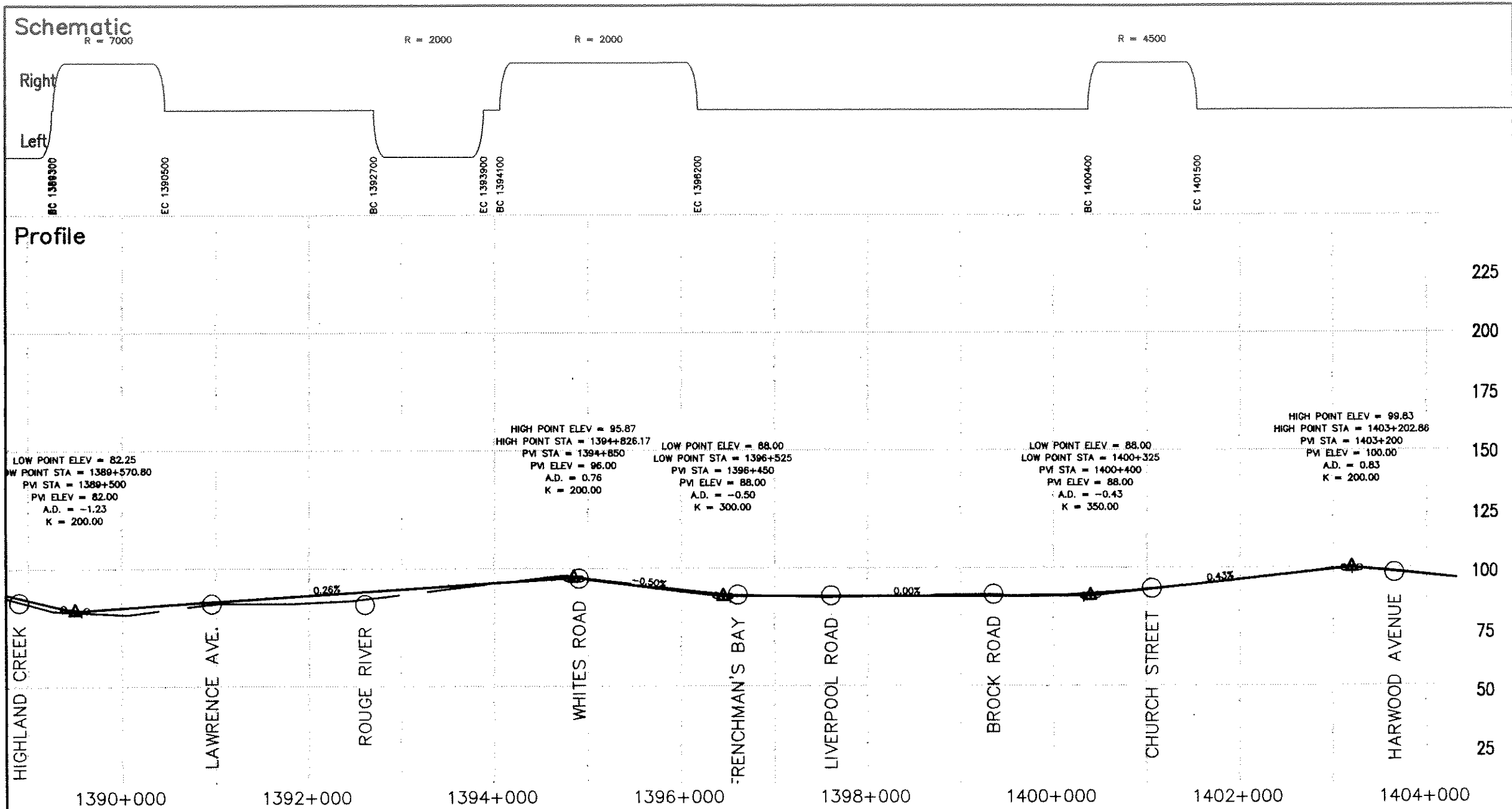
**Schematic**  
R = 1700



**Profile**



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO		SCALE: HOR: 1:50000 VER: 1:2000	DATE: MAY/93
			SEGMENT CODE: TM1-A0	REVISION:
				SHEET: 26 OF 29



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON EXISTING ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TM1-A0	SHEET: 27 OF 29

Schematic

Right

Left

Profile

R = 4500

R = 4500

R = 4500

BC 1408100

EC 1410300

BC 1411200

EC 1414100

BC 1416700

EC 1417800

3  
22.86

LOW POINT ELEV = 80.09  
 LOW POINT STA = 1408+228.52  
 PVI STA = 1408+200  
 PVI ELEV = 80.00  
 A.D. = -0.57  
 K = 250.00

PVI STA = 1411+400  
 PVI ELEV = 85.50  
 A.D. = -0.20  
 K = 400.00

HIGH POINT ELEV = 102.42  
 HIGH POINT STA = 1416+032.93  
 PVI STA = 1416+000  
 PVI ELEV = 102.50  
 A.D. = 0.52  
 K = 300.00

PVI STA = 1418+000  
 PVI ELEV = 99.50  
 A.D. = 0.57  
 K = 250.00

LOW POINT  
 PVI STA  
 A  
 K

225  
200  
175  
150  
125  
100  
75  
50  
25

-0.40%

0.17%

0.57%

-0.15%

-0.72%

BROCK STREET

PRINGLE CREEK

THICKSON ROAD

CORBERT CREEK

STEVENSON ROAD

ASHAWA CREEK

RITSON ROAD

1404+000

1406+000

1408+000

1410+000

1412+000

1414+000

1416+000

1418+000

1420

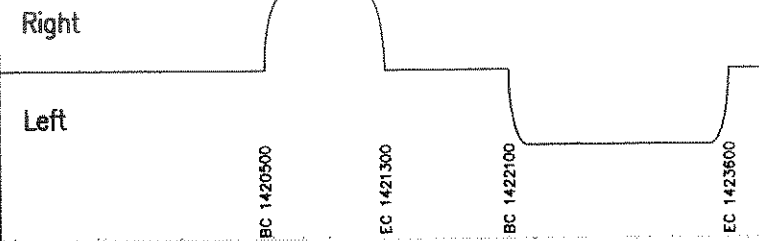
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

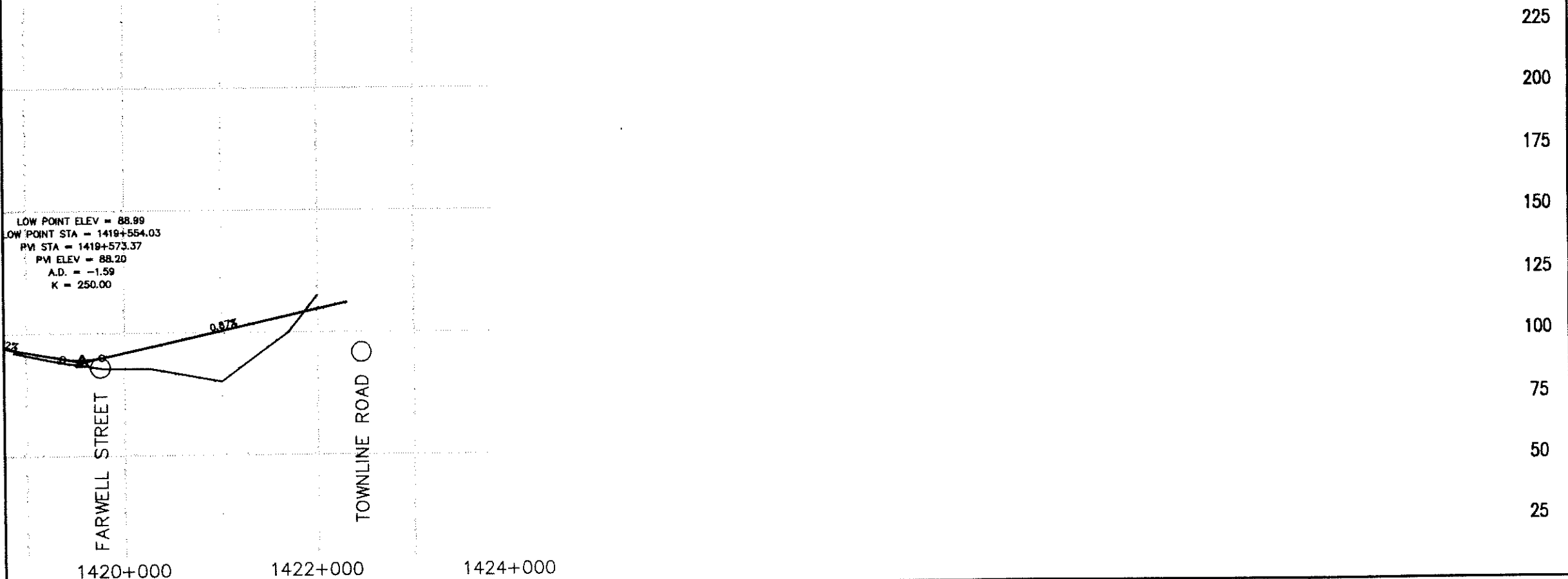
SCALE: HOR: 1:50000  
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 SEGMENT CODE: TM1-A0

DATE: MAY/93  
 REVISION:  
 SHEET: 28 OF 29

# Schematic



# Profile



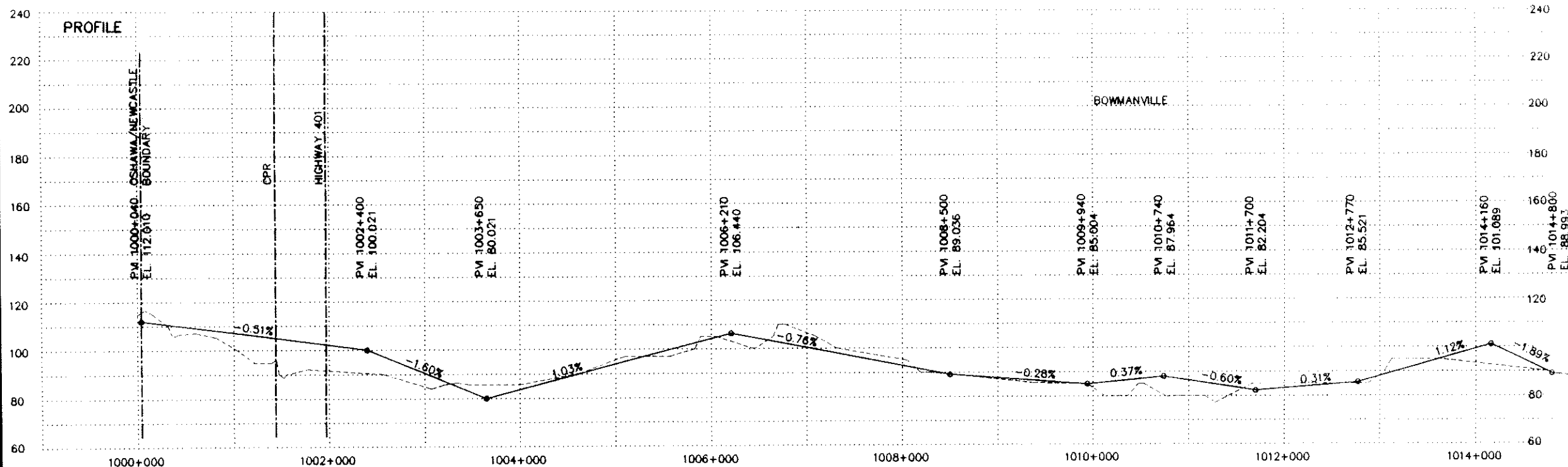
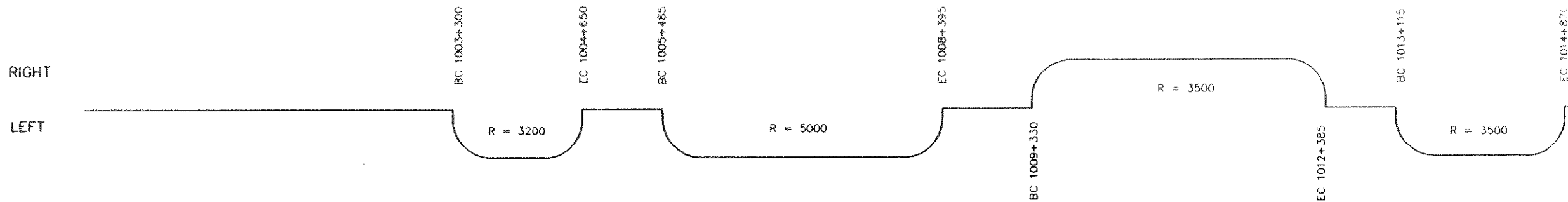
<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>300km/h PLUS ON EXISTING ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TM1-A0	SHEET: 29 OF 29



**OVER 300 KPH NON-TILTING TECHNOLOGY IN EXISTING RAIL CORRIDORS**

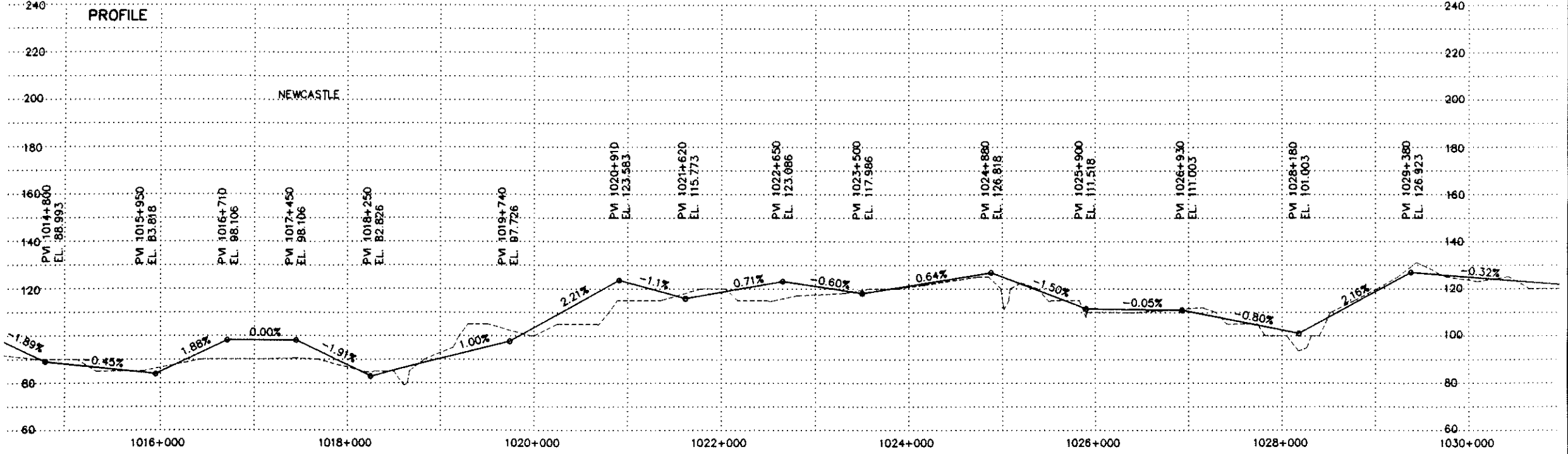
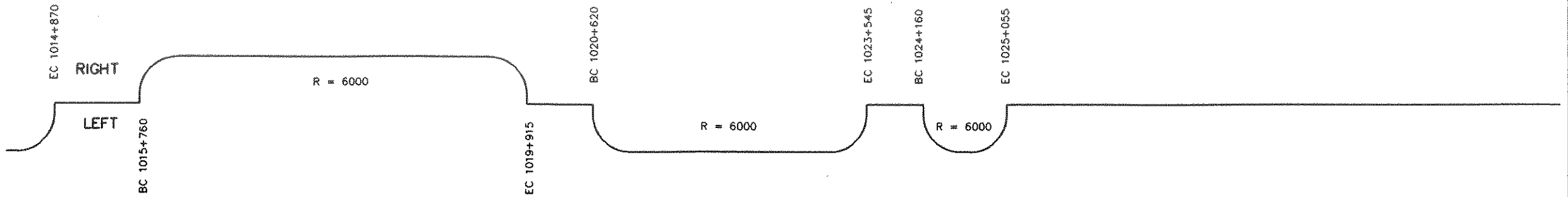
**OSHAWA - RICHMOND**

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1: 50 000	DATE: MAR/93
		VER. 1: 2000	REVISION: MAY/93
		SEGMENT CODE: TM1-B0	SHEET 1 OF 21

PLAN - SCHEMATIC



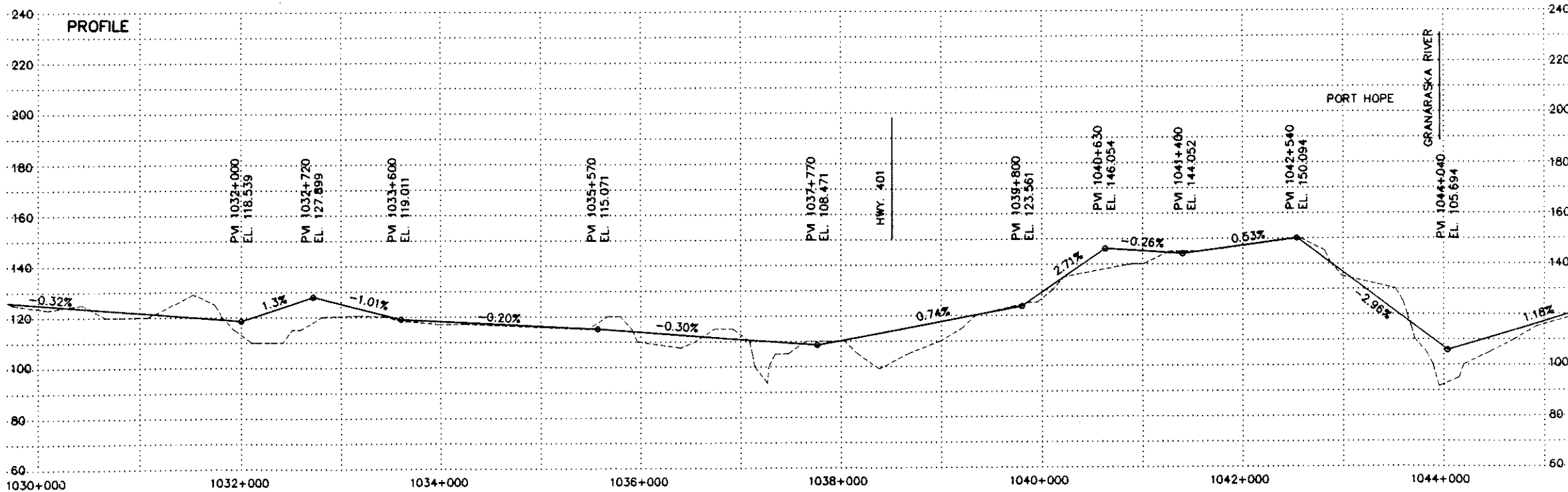
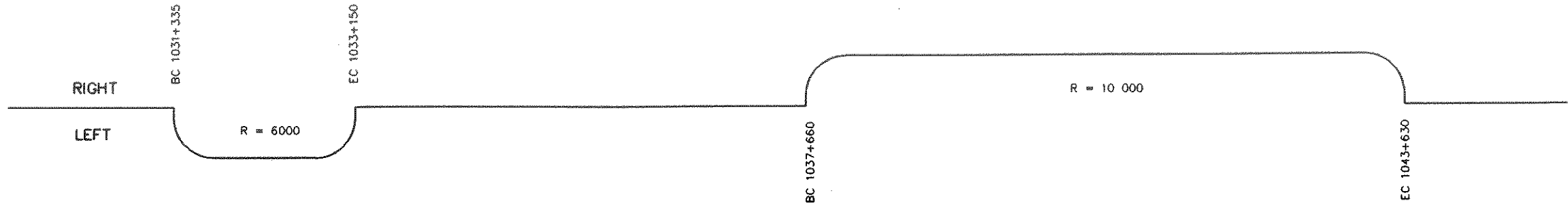
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 2 OF 21

PLAN - SCHEMATIC



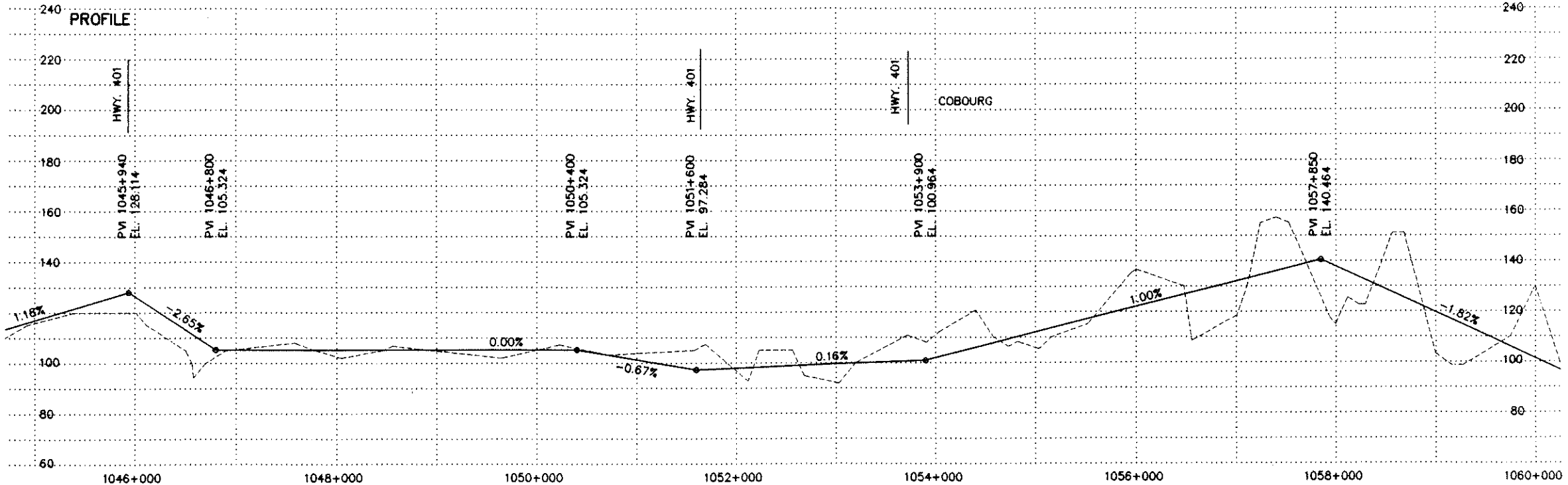
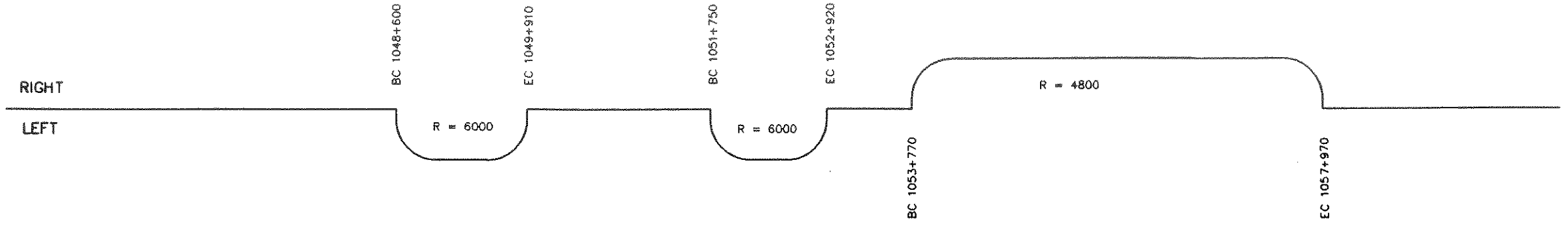
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 3 OF 21

PLAN - SCHEMATIC



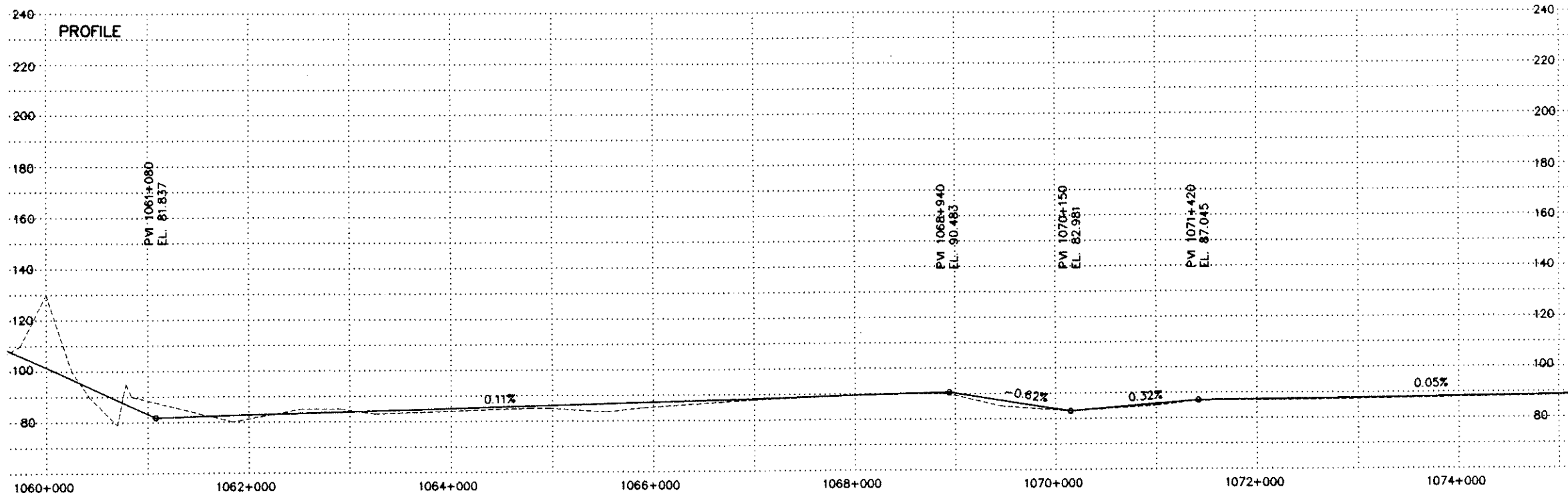
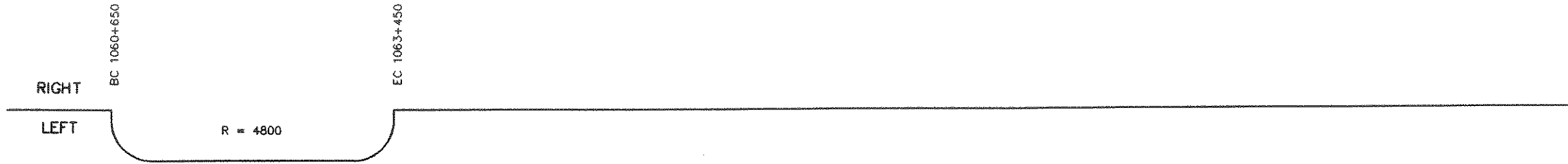
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 4 OF 21

PLAN - SCHEMATIC



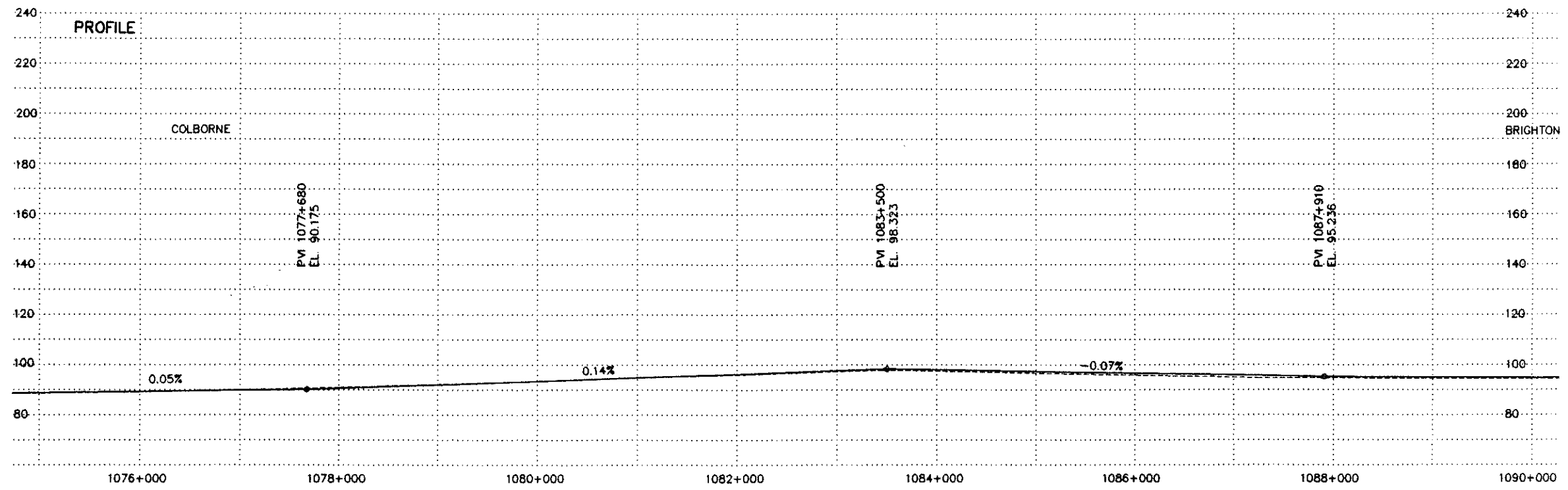
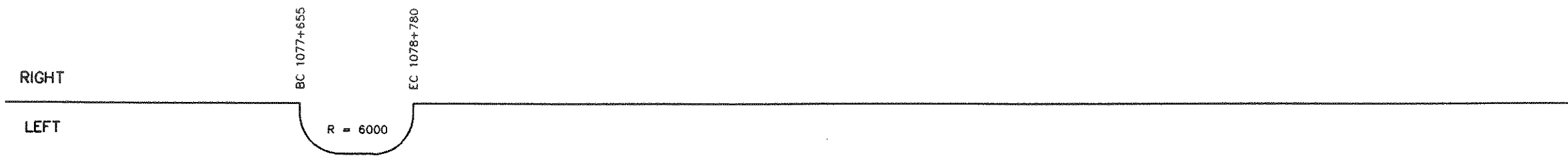
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-B0

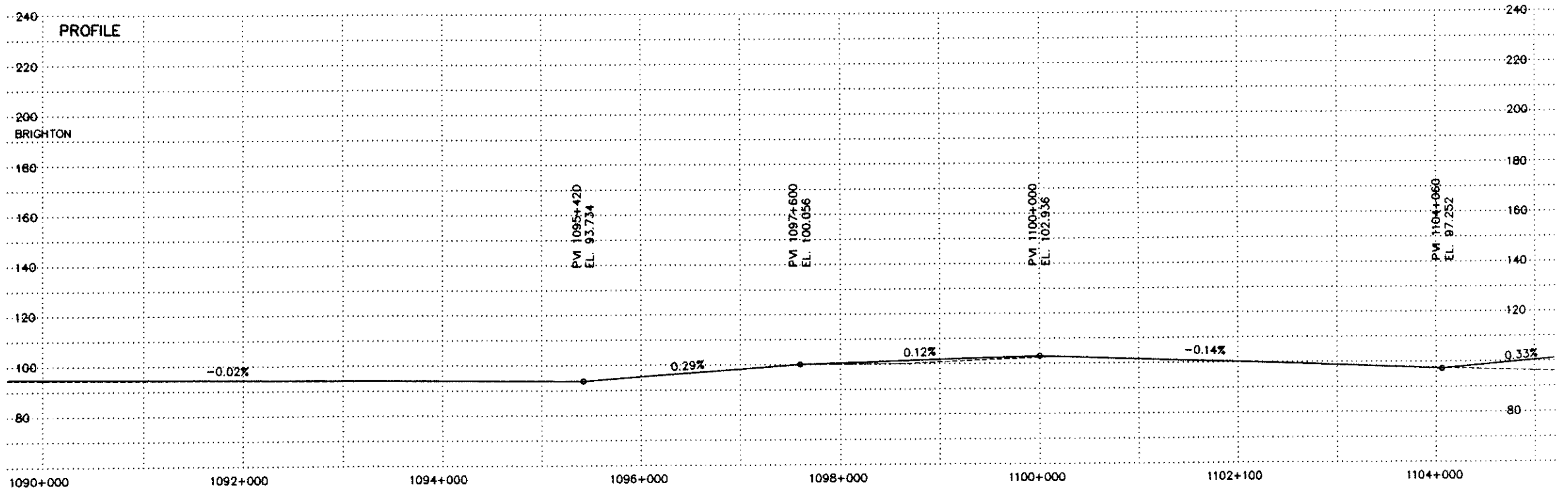
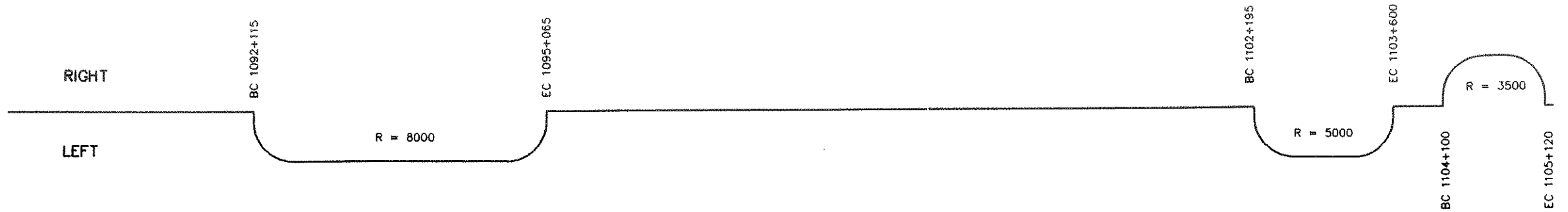
DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 5 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION: MAR/93
		SEGMENT CODE: TM1-B0	SHEET 6 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

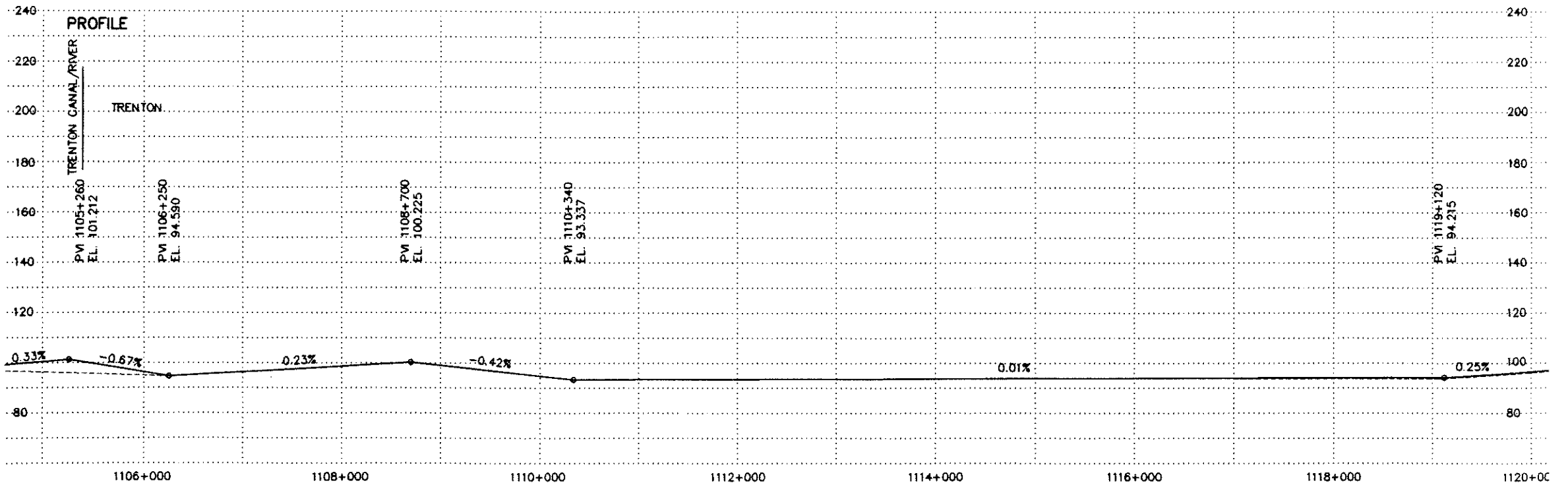
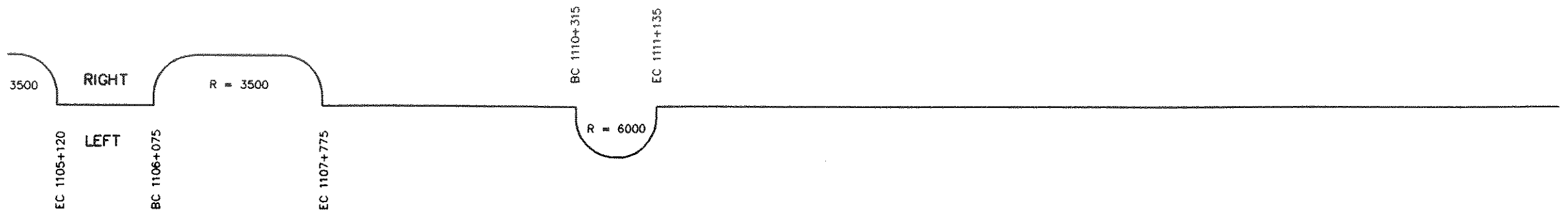
300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 7 OF 21



PLAN - SCHEMATIC



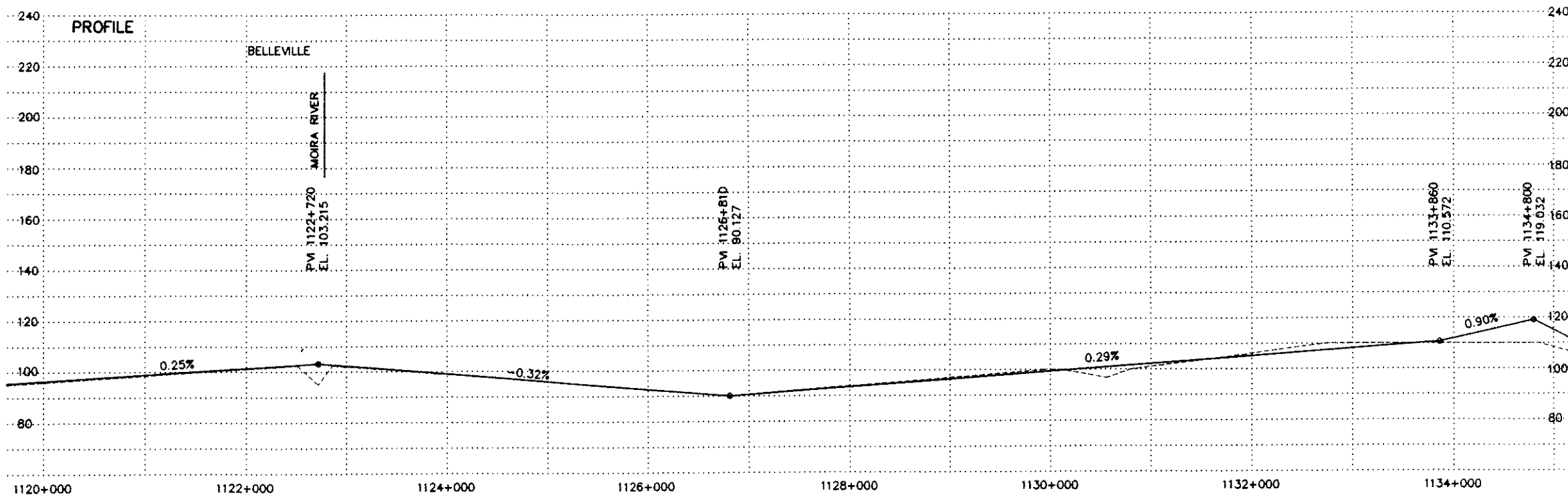
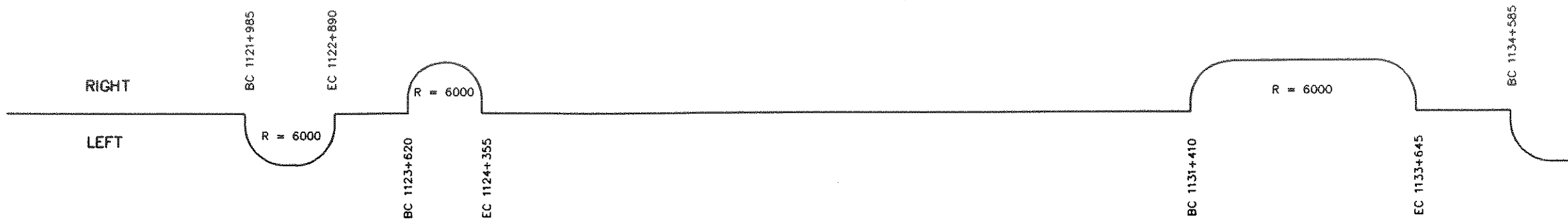
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 8 OF 21

PLAN - SCHEMATIC



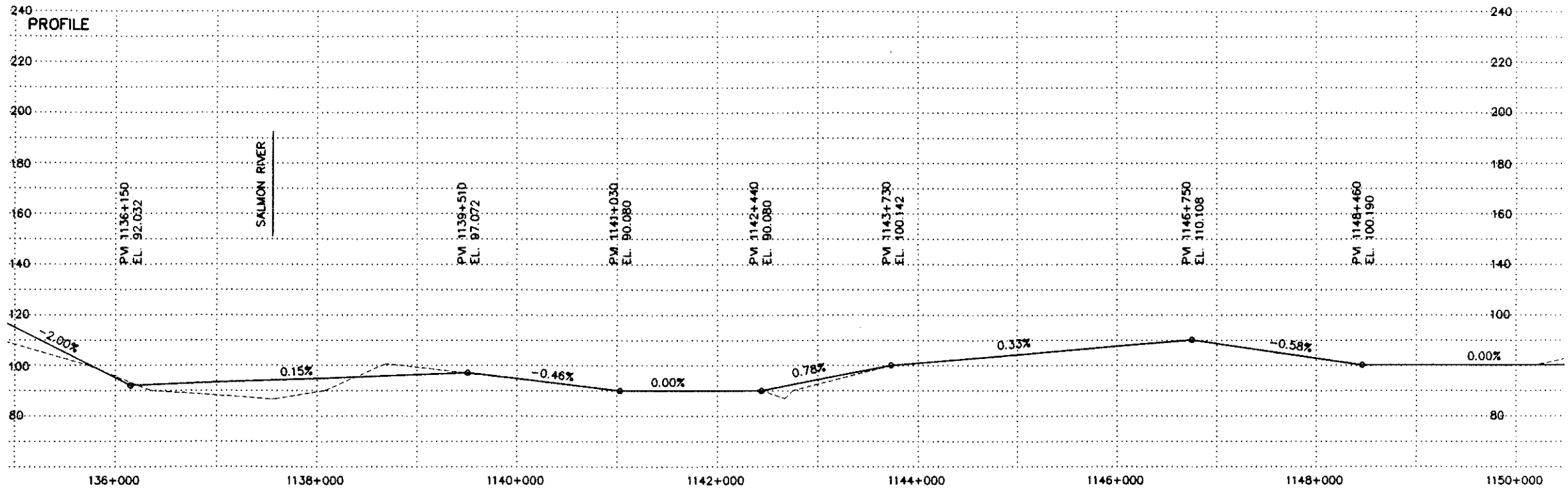
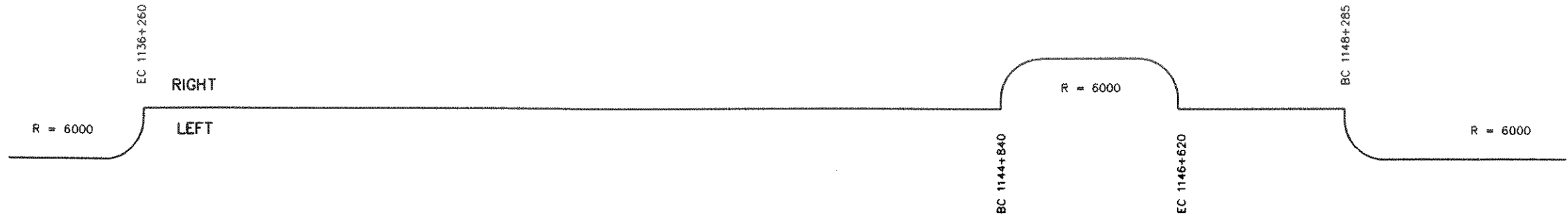
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 9 OF 21

PLAN - SCHEMATIC



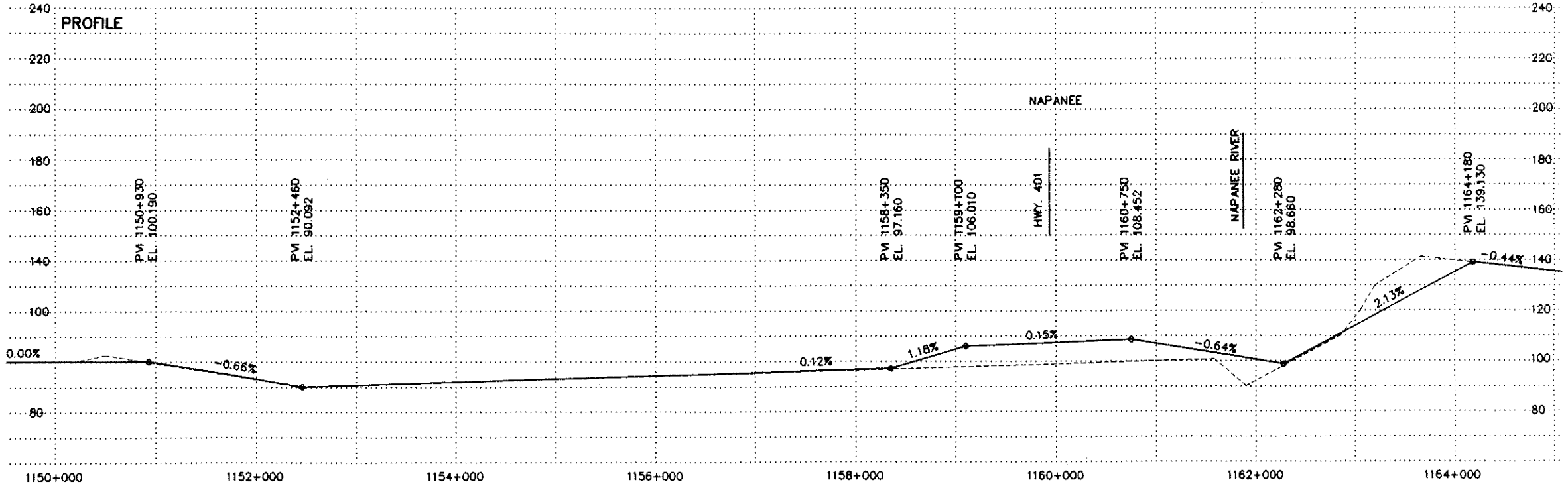
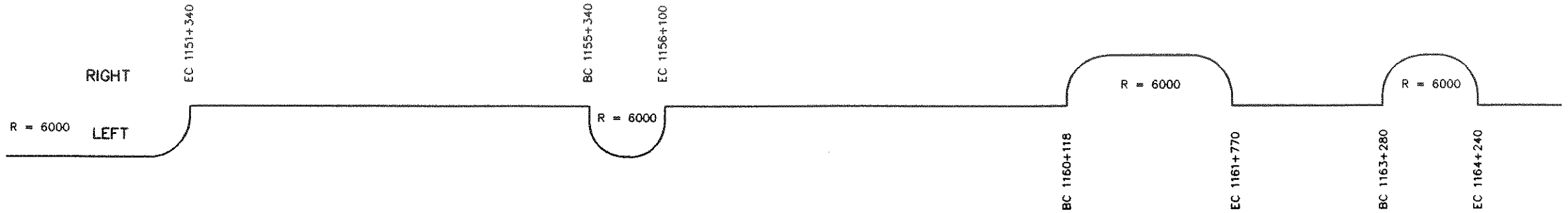
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 10 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

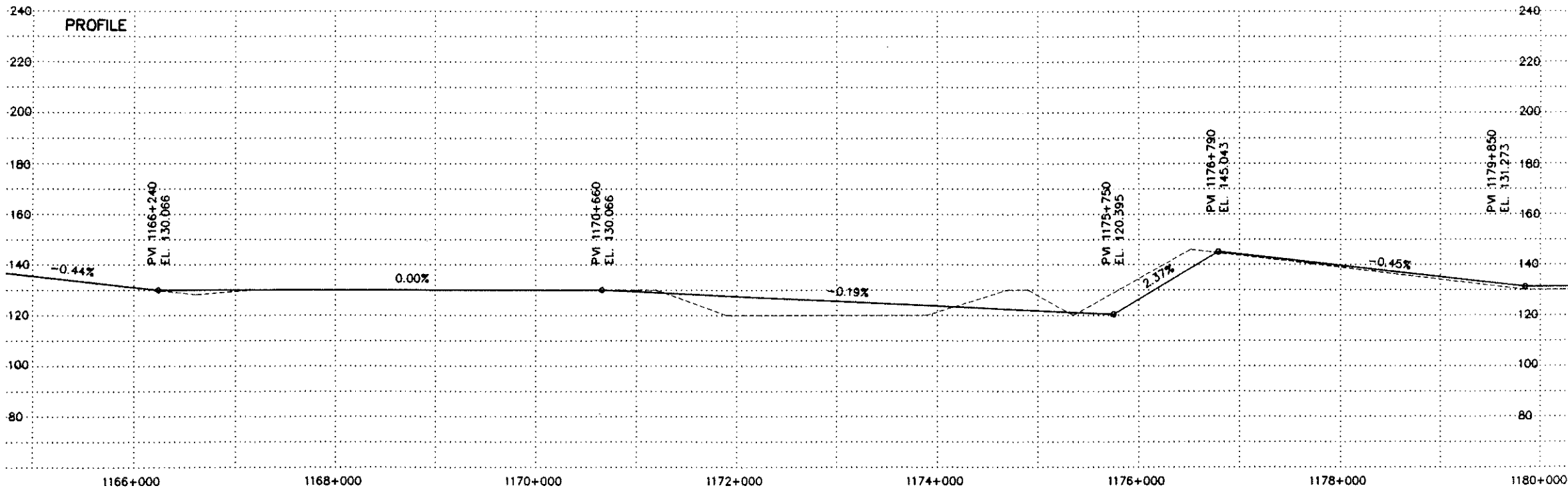
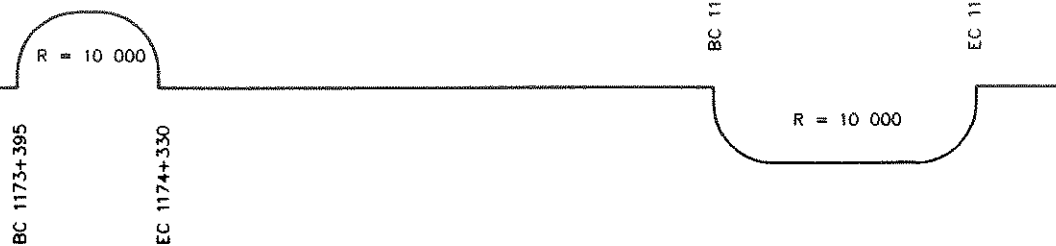
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 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 11 OF 21

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

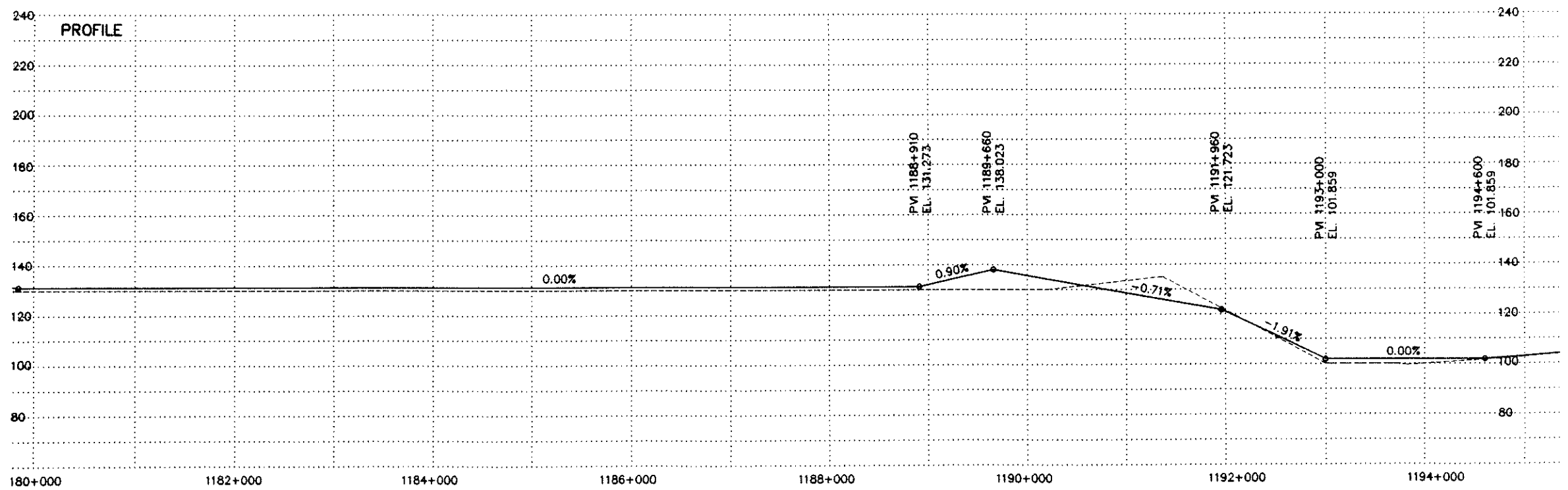
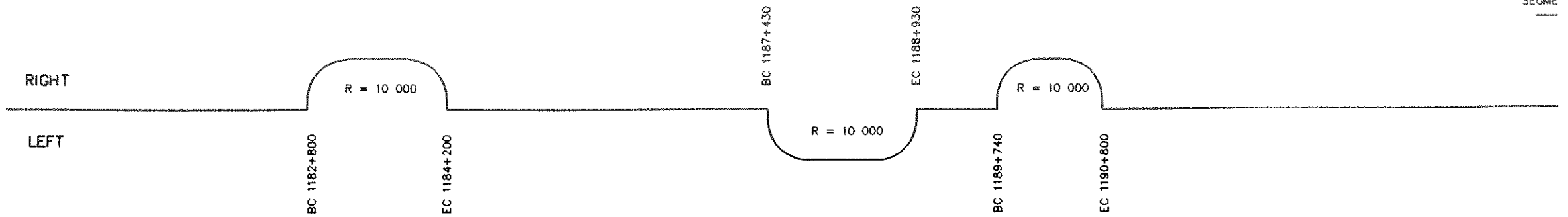
300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 12 OF 21

PLAN - SCHEMATIC

SEGME



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

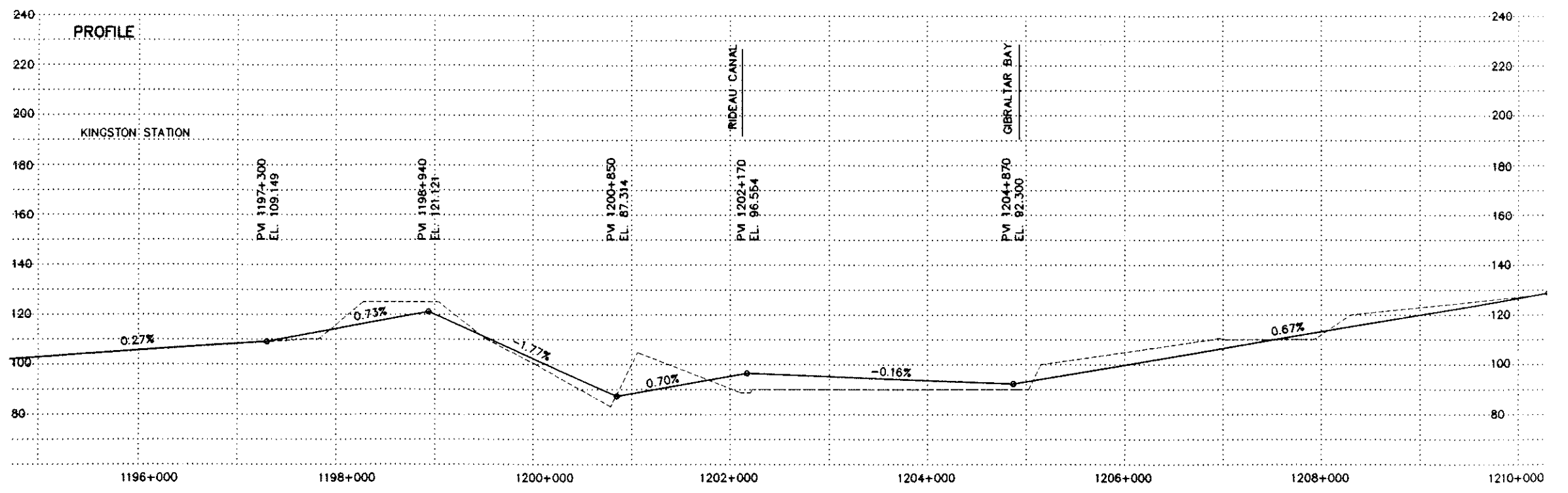
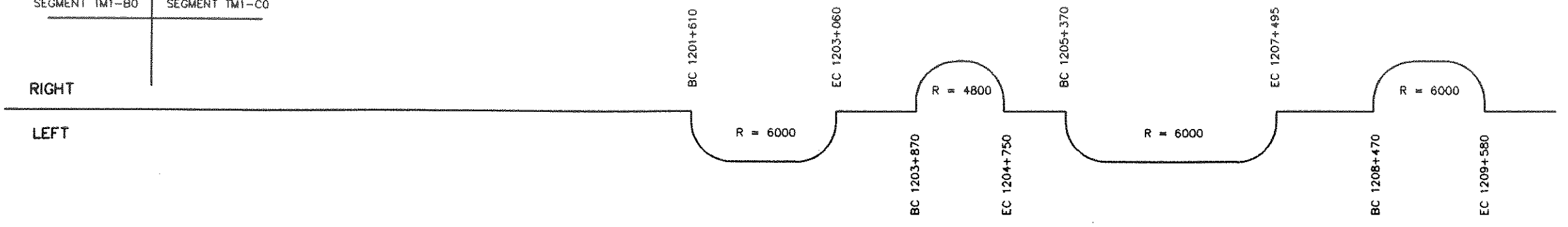
300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-B0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 13 OF 21

PLAN - SCHEMATIC

SEGMENT TM1-B0 | SEGMENT TM1-C0



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION: MAR/93
		SEGMENT CODE: TM1-C0	SHEET 14 OF 21

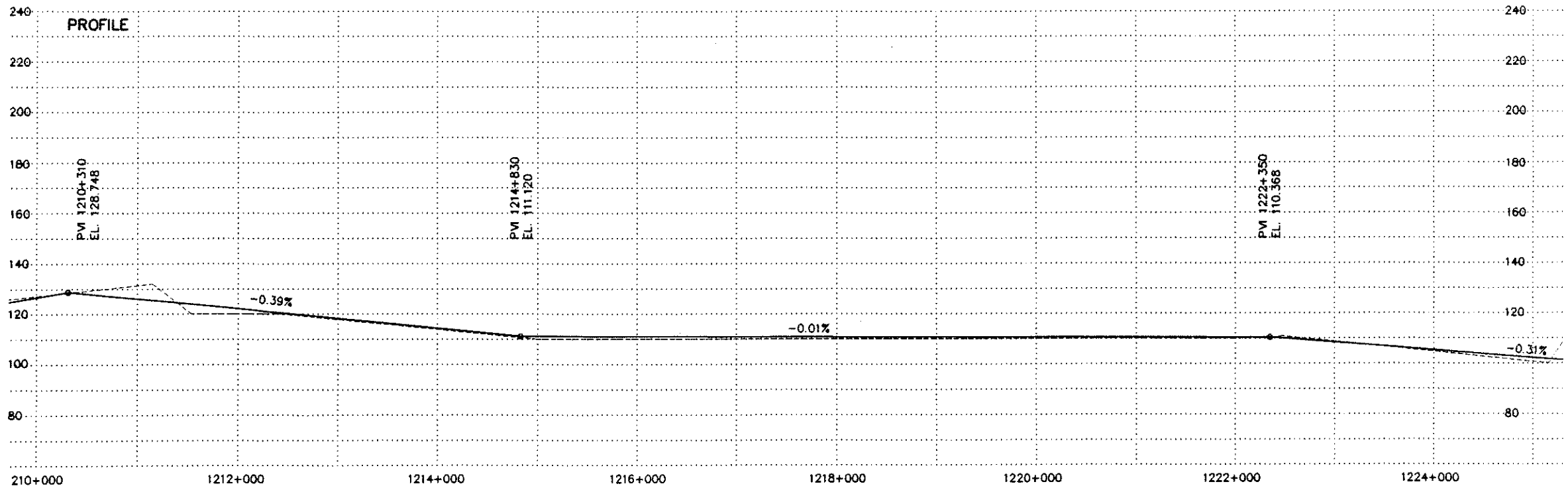
PLAN - SCHEMATIC

RIGHT

LEFT

BC 1215+6.35

R = 10 000



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

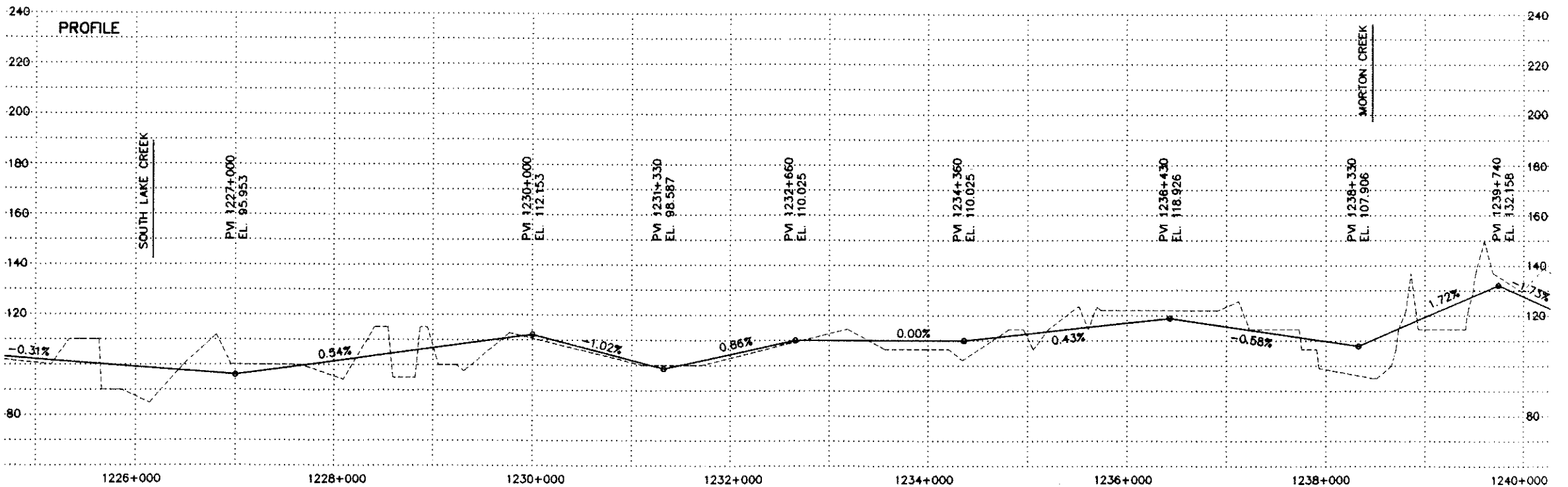
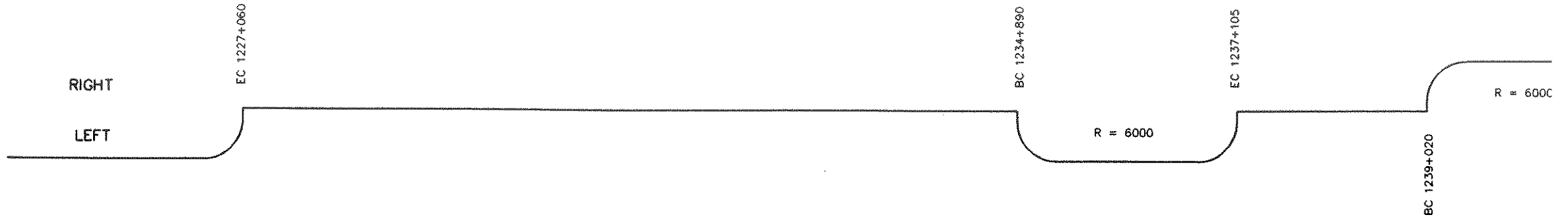
300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-C0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 15 OF 21



PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
TORONTO - NATIONAL CAPITAL REGION

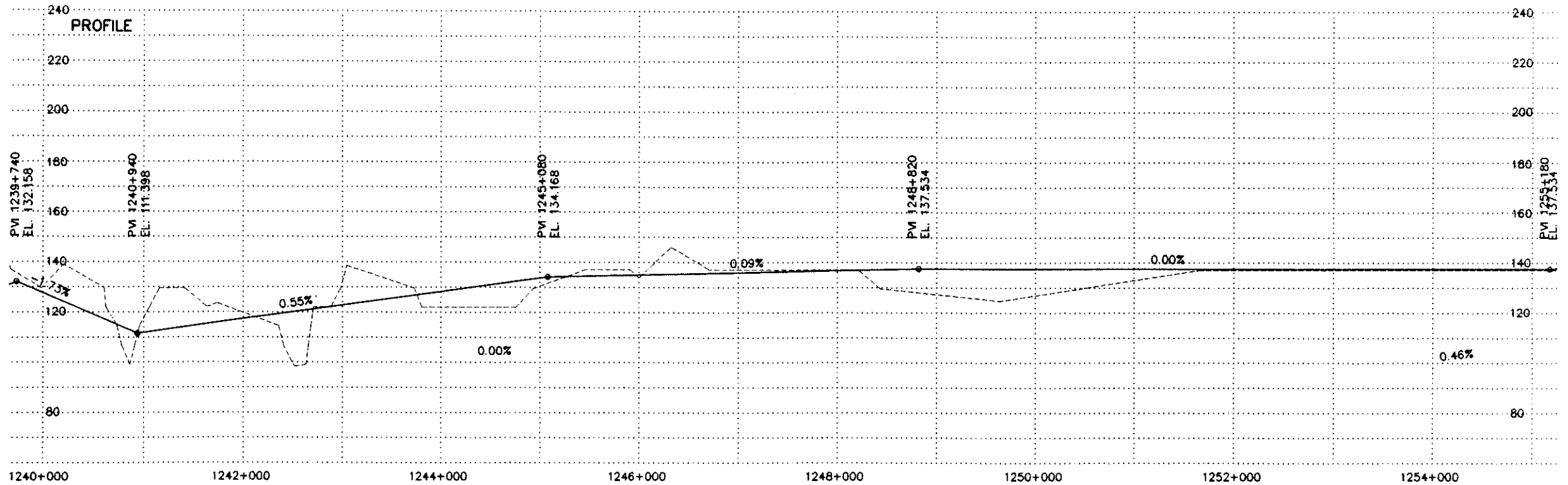
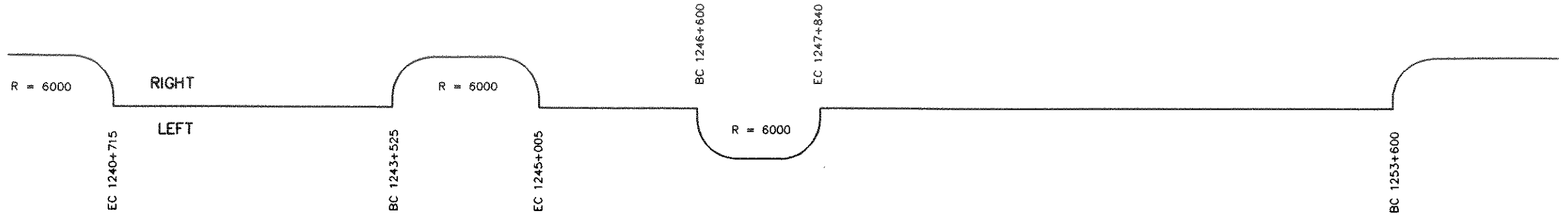
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DATE: MAR/93  
REVISION: MAR/93

SEGMENT CODE: TM1-C0

SHEET 16 OF 21

PLAN - SCHEMATIC



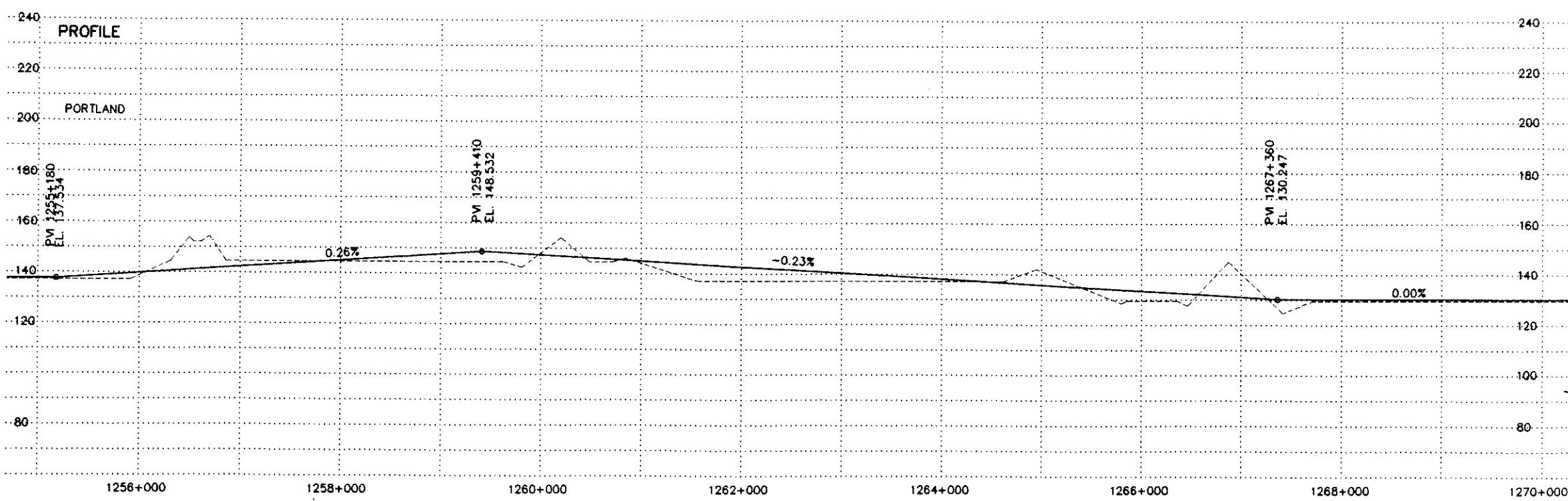
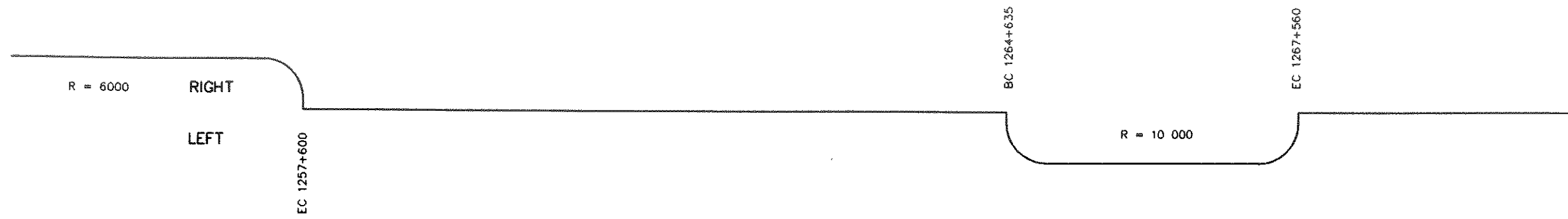
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TM1-C0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 17 OF 21

PLAN - SCHEMATIC



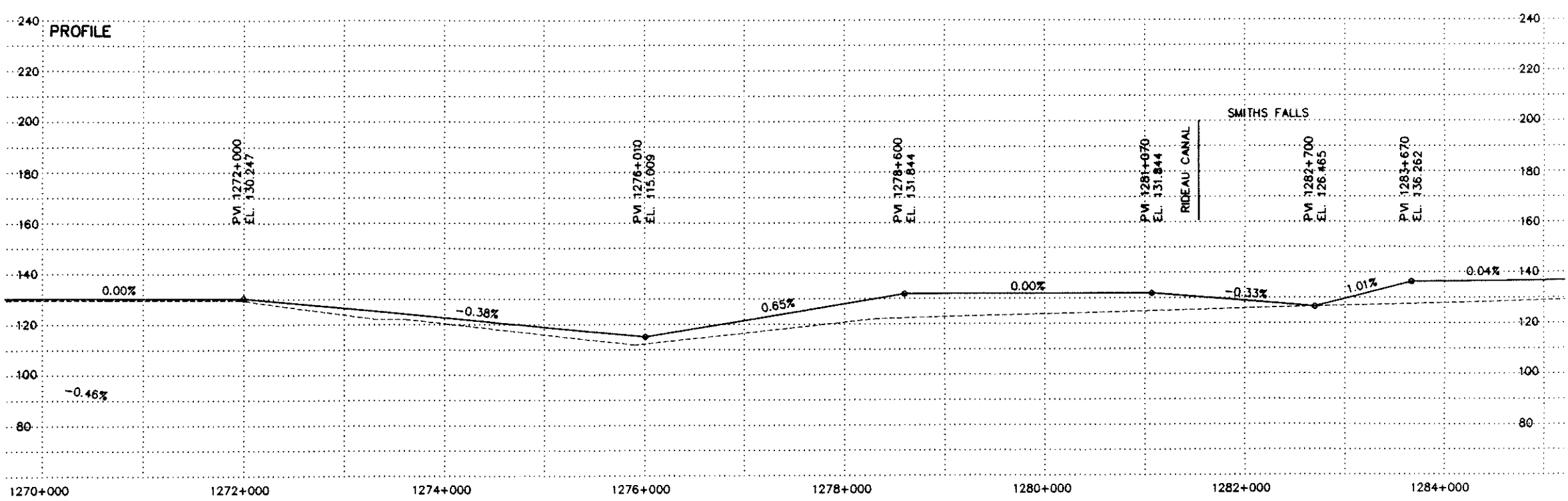
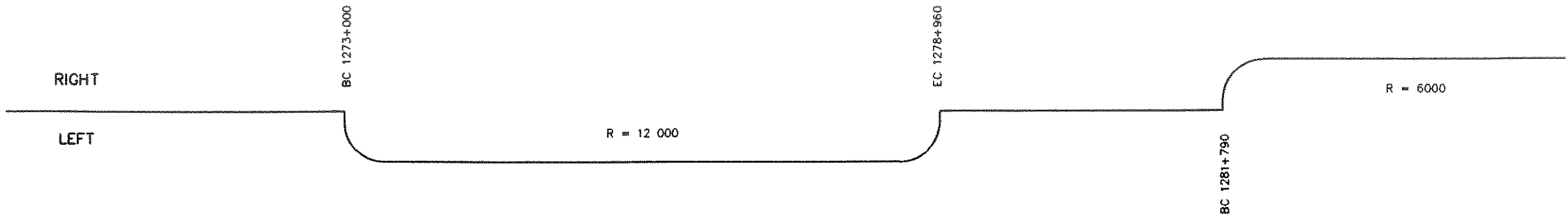
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM1-C0

DATE: MAR/93  
 REVISION: MAR/93  
 SHEET 18 OF 21

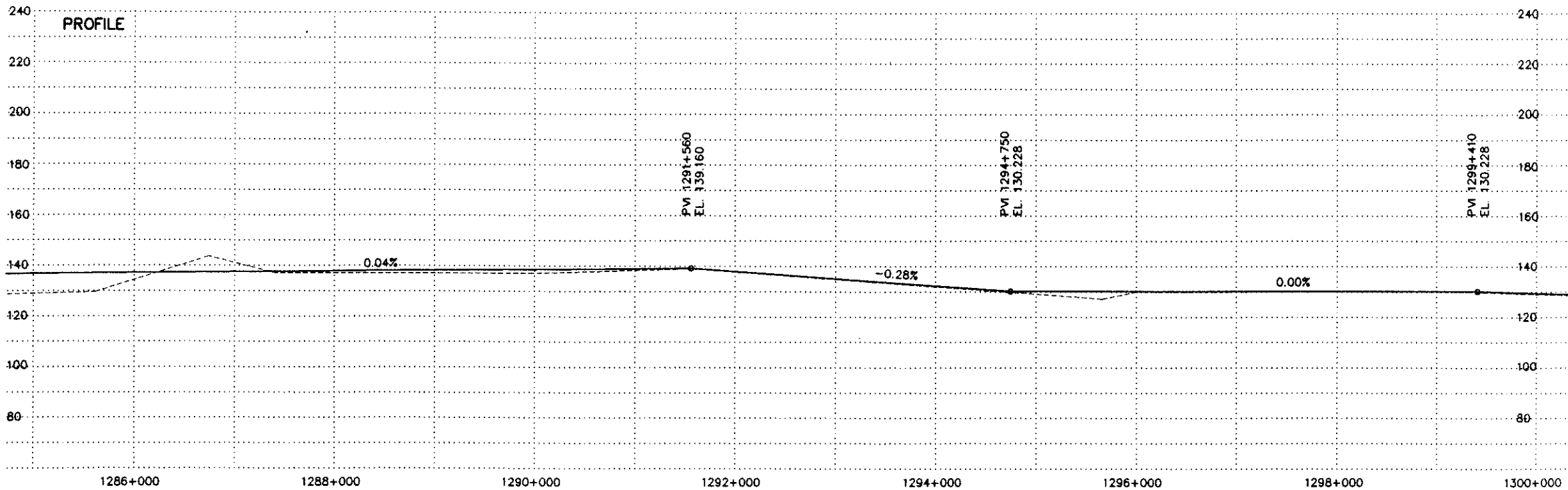
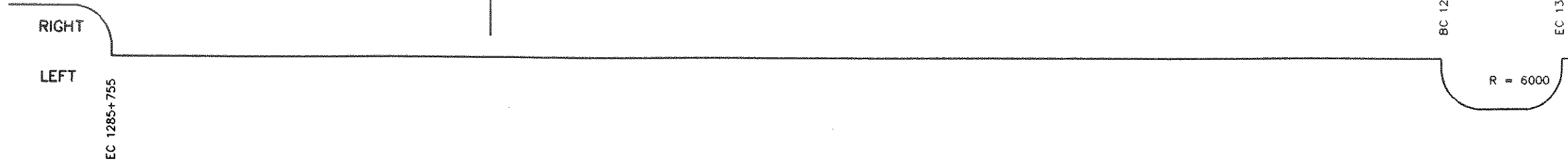
PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION: MAR/93
		SEGMENT CODE: TM1-C0	SHEET 19 OF 21

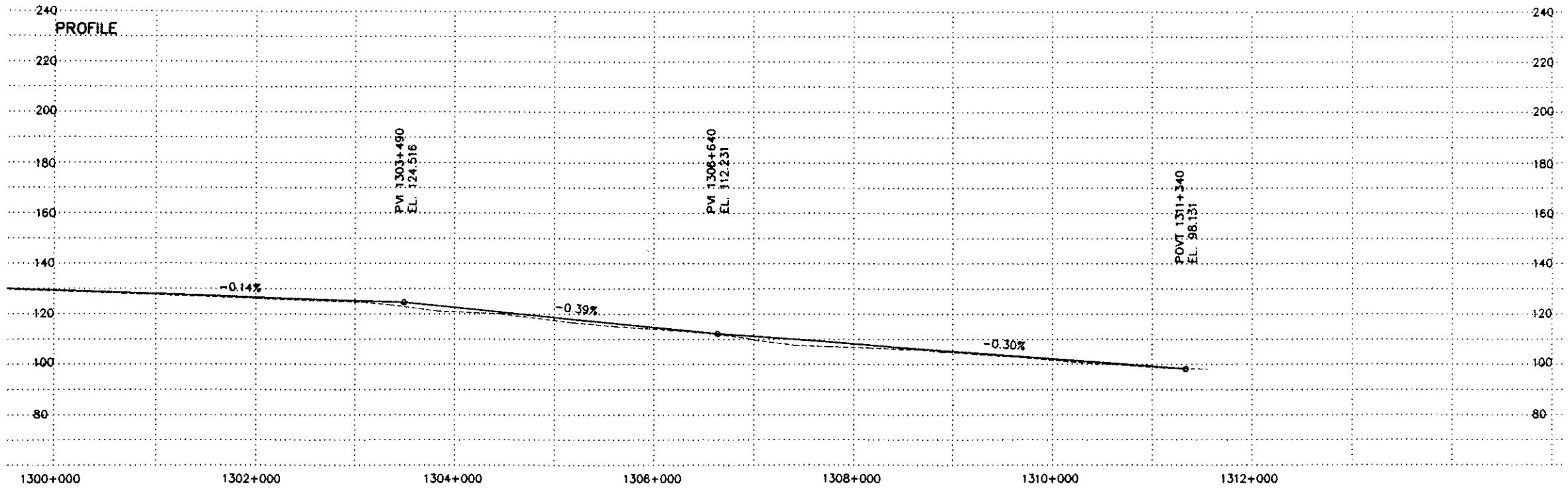
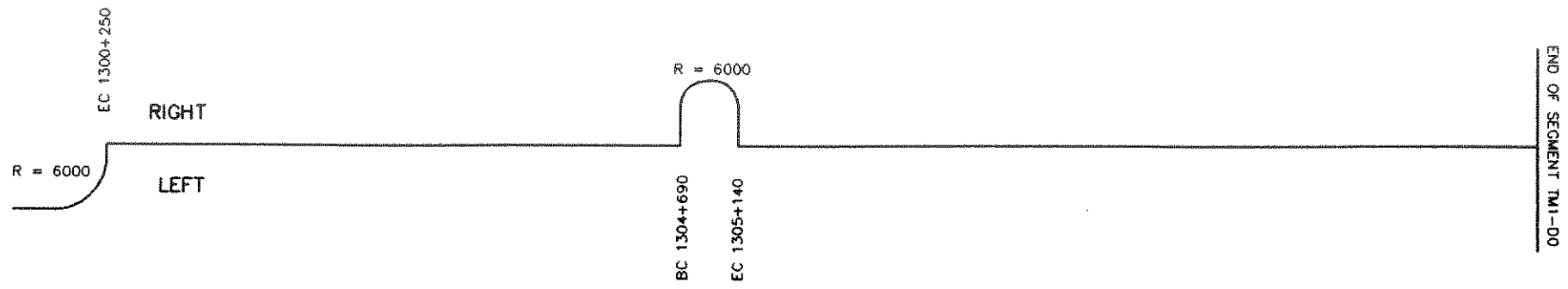
PLAN - SCHEMATIC

SEGMENT TM1-CO      SEGMENT TM1-D0



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION: MAR/93
		SEGMENT CODE: TM1-D0	SHEET 20 OF 21

PLAN - SCHEMATIC

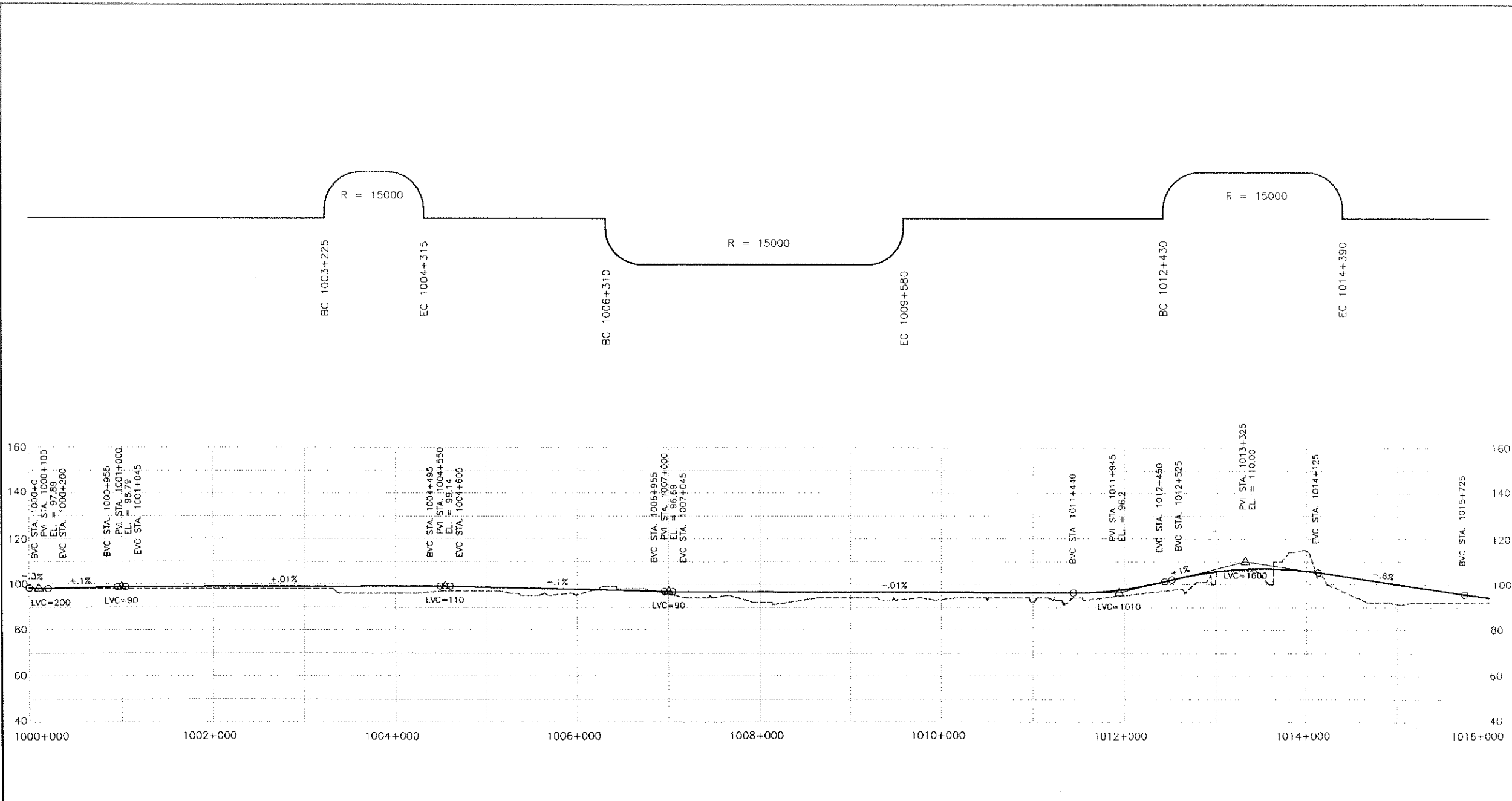


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON EXISTING ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION: MAR/93
		SEGMENT CODE: TM1-00	SHEET 21 OF 21

**OVER 300 KPH NON-TILTING TECHNOLOGY IN EXISTING RAIL CORRIDORS**

**RICHMOND - OTTAWA**

10-MAR-93 FILE NAME: D:\0131644\RD\ACAD11\T0300E01.DWG  
2:46 PM



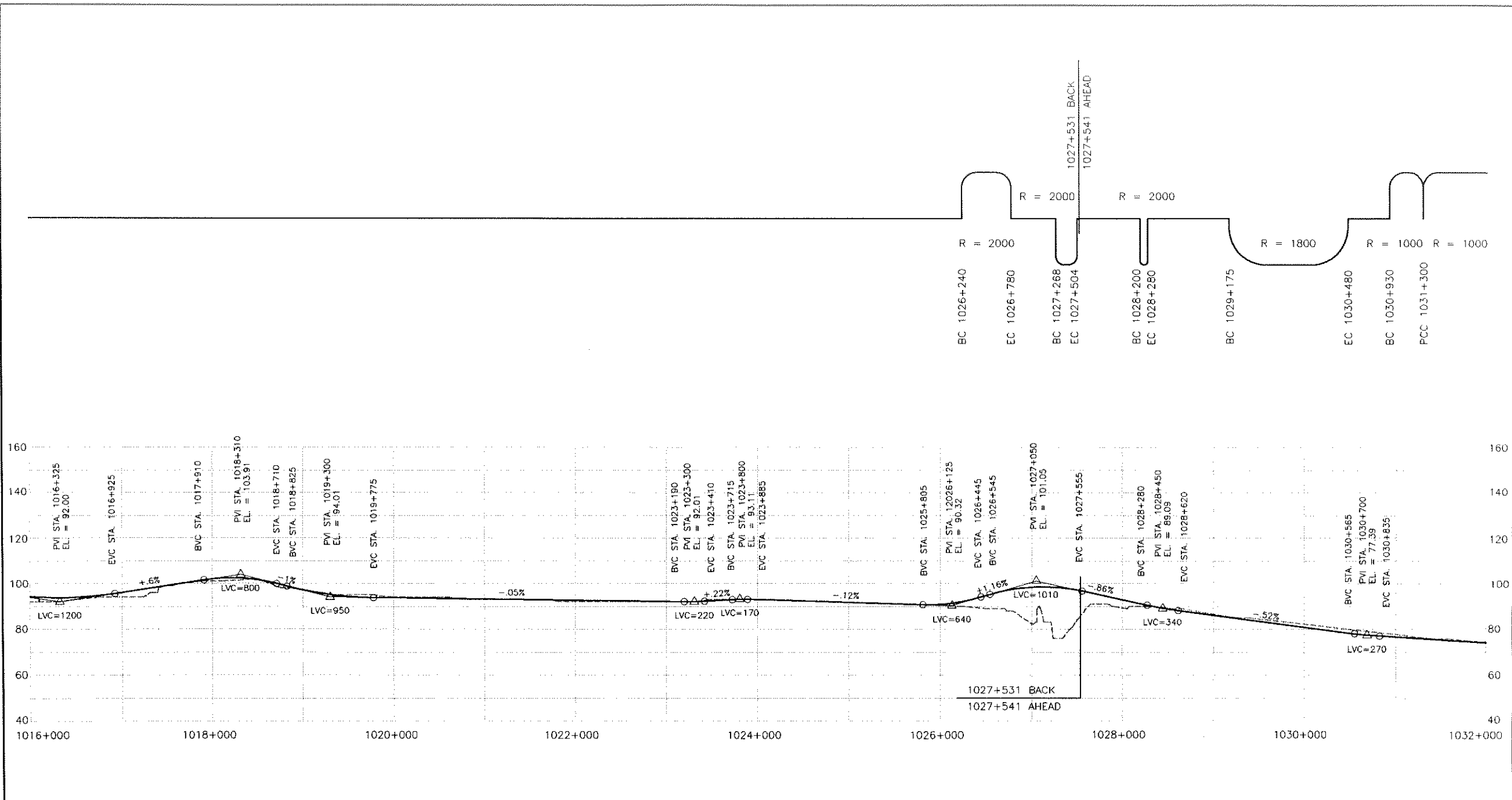
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
VER. 1:2000  
SEGMENT CODE: TM1-E1

DATE: 10/3/1993  
REVISION:  
SHEET 01 OF 14





QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000

VER. 1:2000

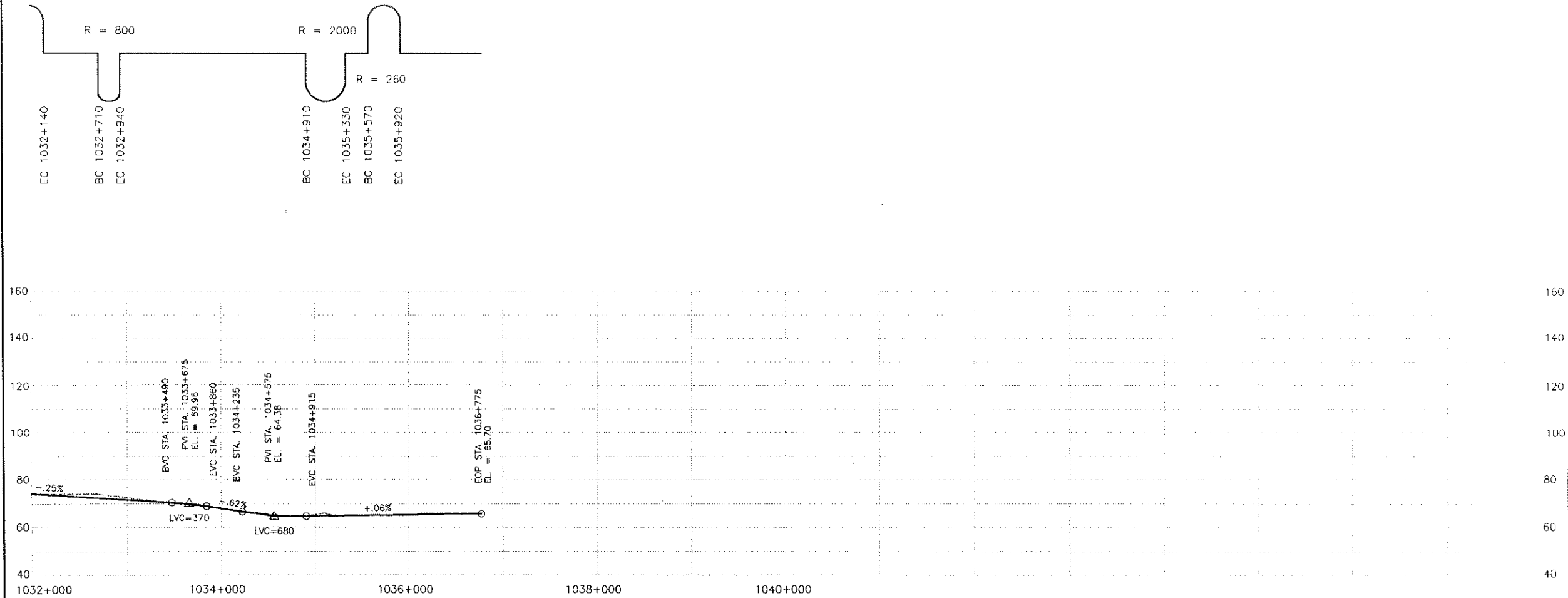
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DATE: 10/3/1993

REVISION:

SHEET 02 OF 14

10-MAR-93 2:51 PM FILE NAME: D:\013164A\RD\ACAD11\T0300E03.DWG



QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

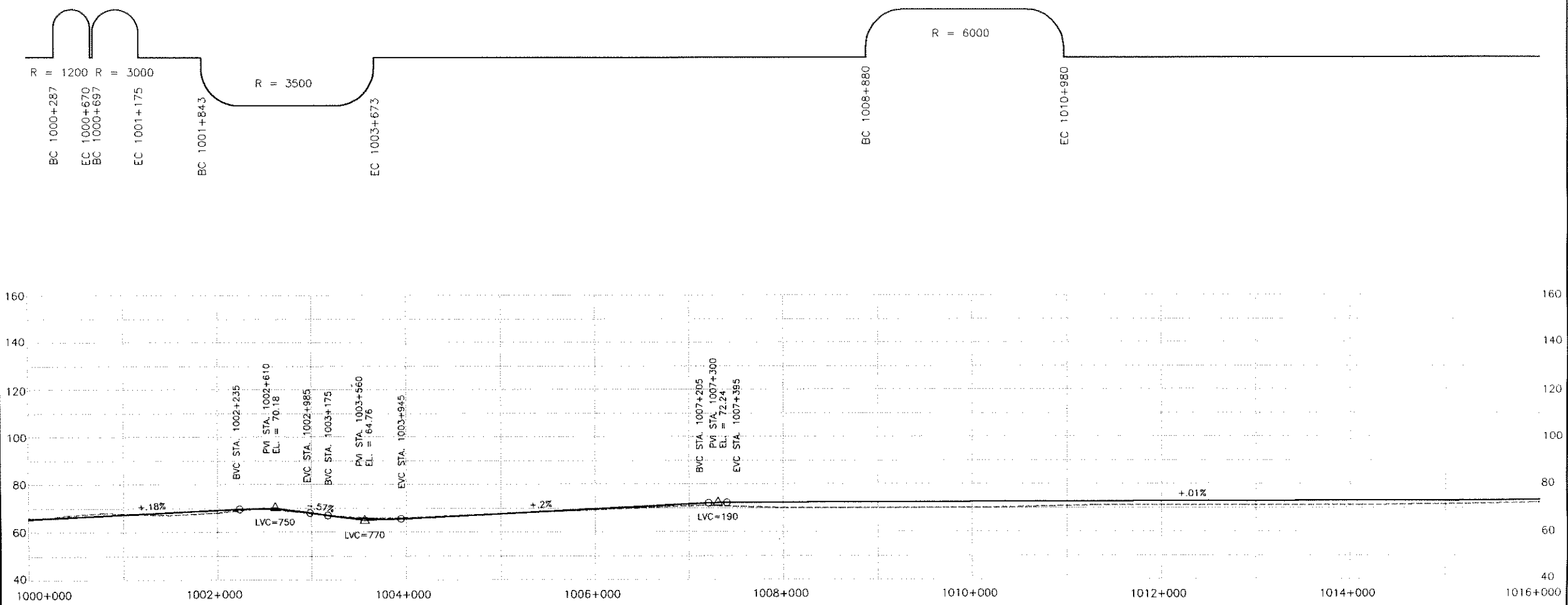
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DATE: 10/3/1993  
 REVISION:  
 SHEET 03 OF 14

**OVER 300 KPH NON-TILTING TECHNOLOGY IN EXISTING RAIL CORRIDORS**

**OTTAWA - CP LACHUTE**

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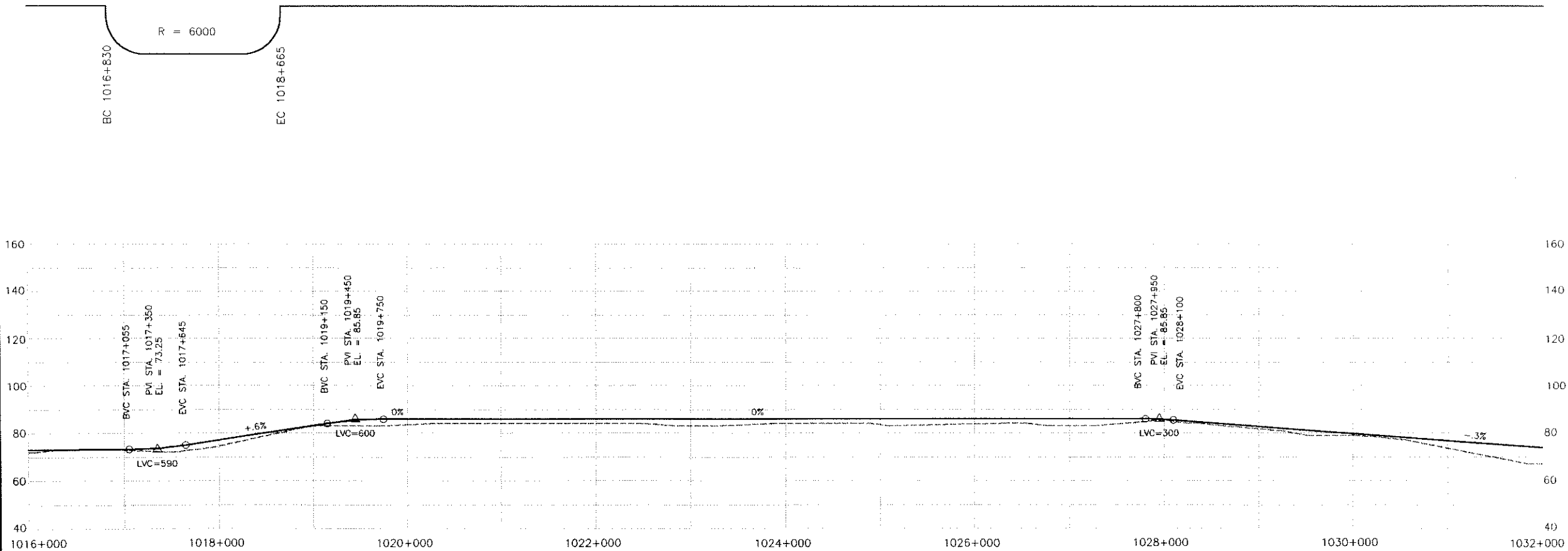
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 04 OF 14

10-MAR-93 FILE NAME: D:\013164A\RD\ACAD11\0M300E05.DWG  
2:36 PM



QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

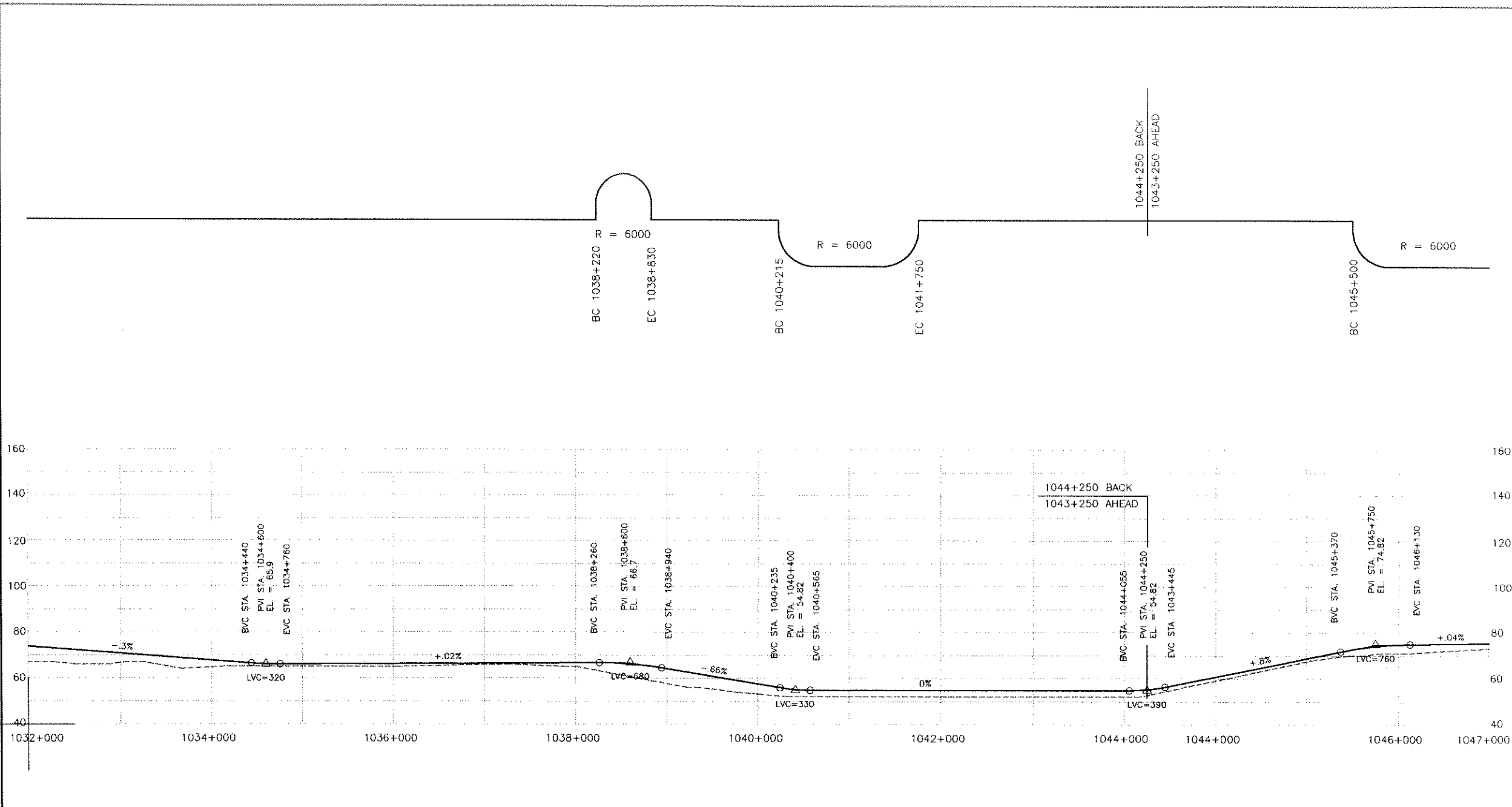
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DATE: 10/3/1993  
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SEGMENT CODE: TM1-F0

SHEET 05 OF 14

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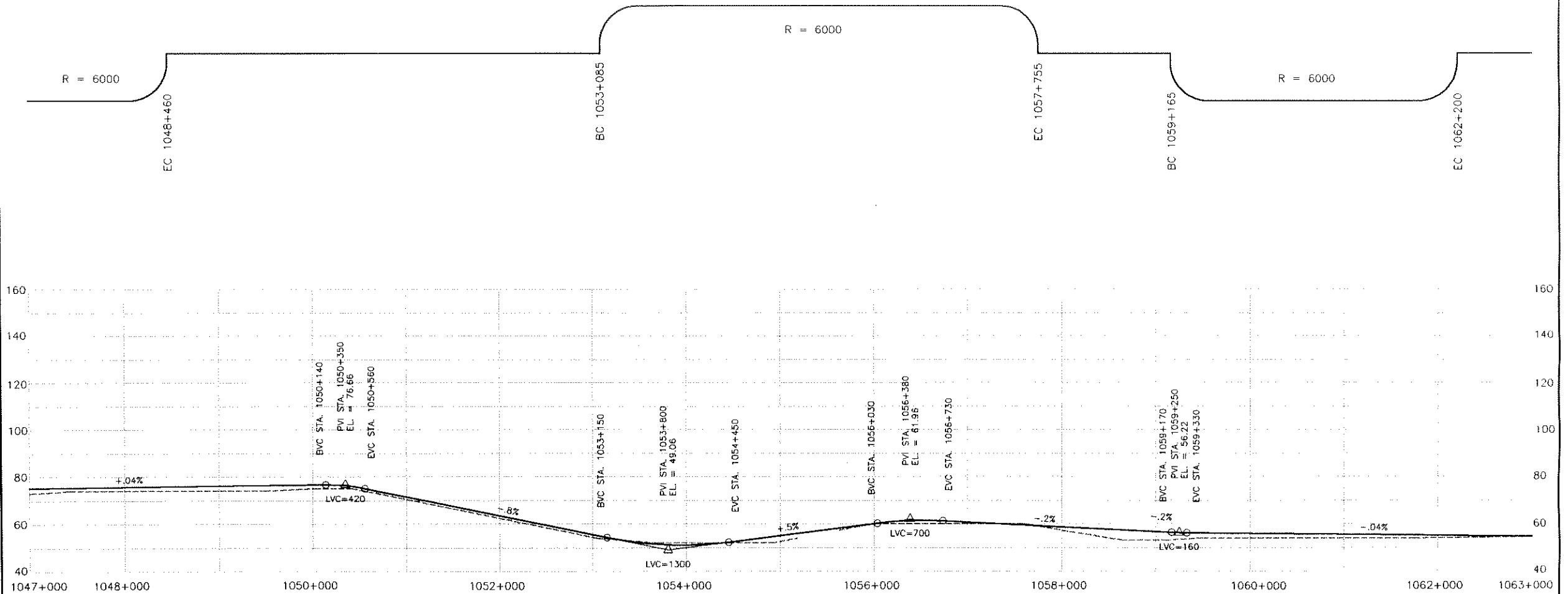
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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SEGMENT CODE: TM1-F0

DATE: 10/3/1993  
REVISION:  
SHEET 06 OF 14

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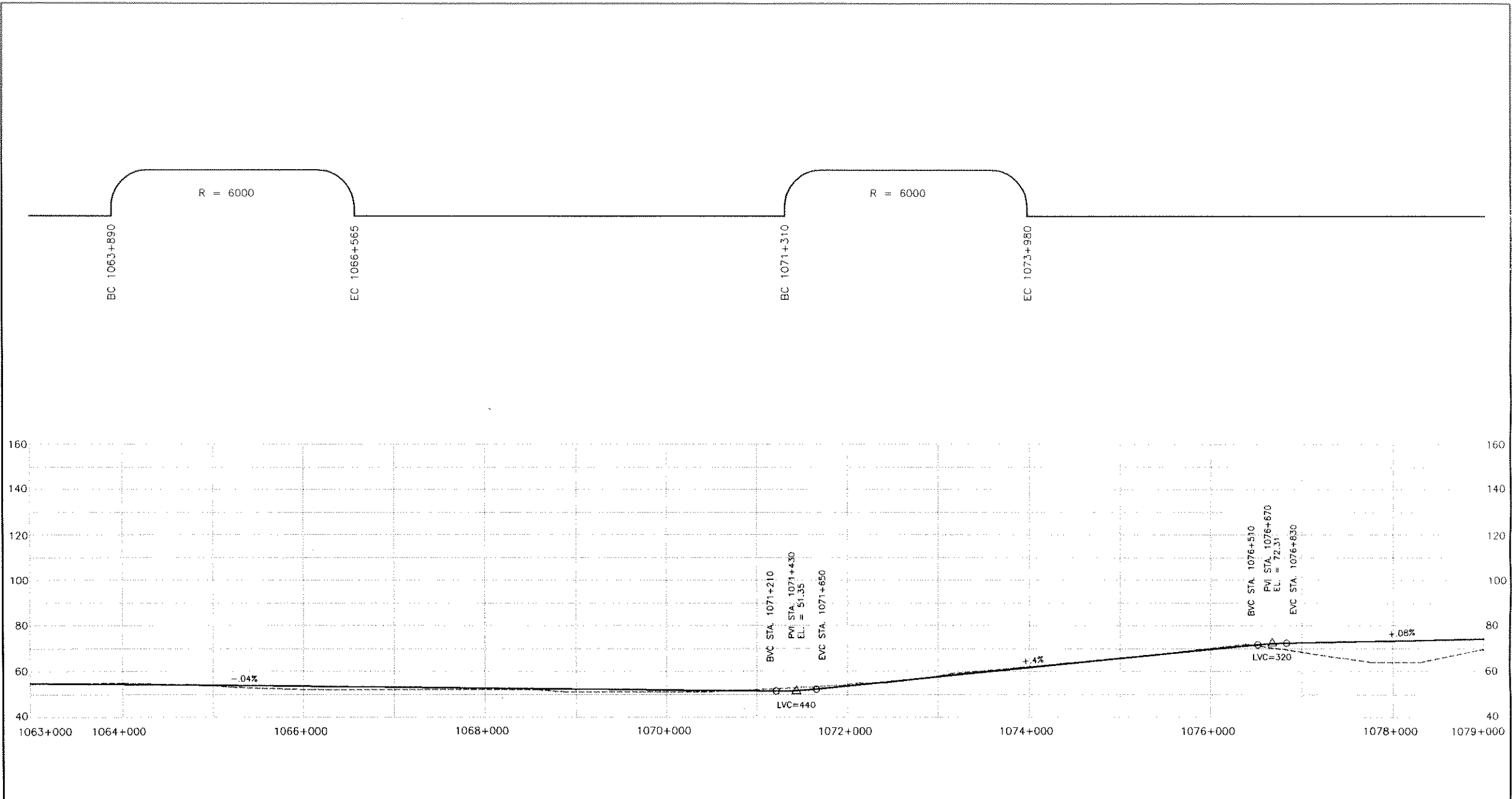
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

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DATE: 10/3/1993  
 REVISION:  
 SHEET 07 OF 14

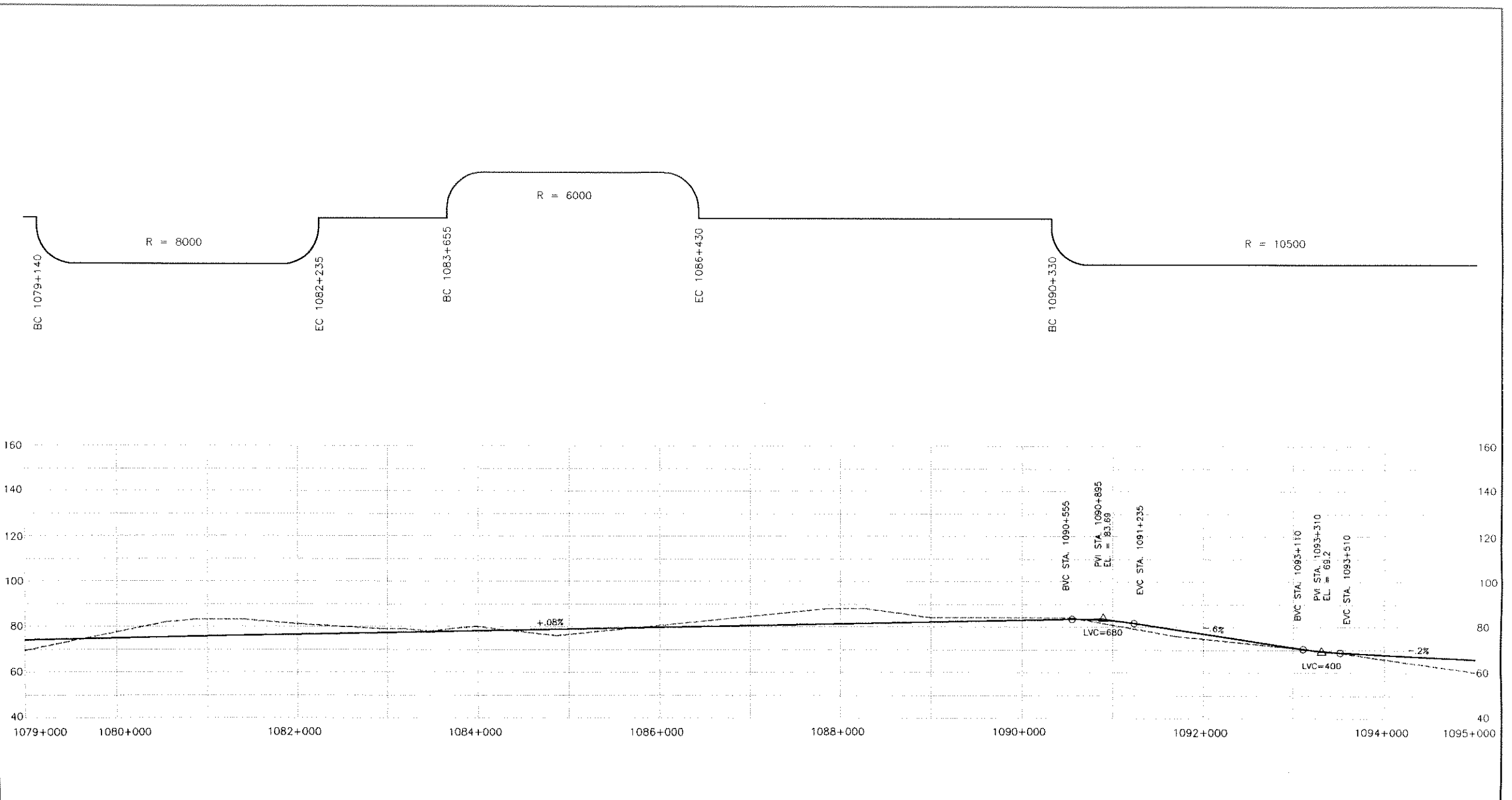
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QUEBEC – ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON EXISTING ROW REPRESENTATIVE ROUTE NATIONAL CAPITAL REGION – MONTREAL		SCALE: HOR. 1:50000 VER. 1:2000	DATE: 10/3/1993
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				SHEET 08 OF 14



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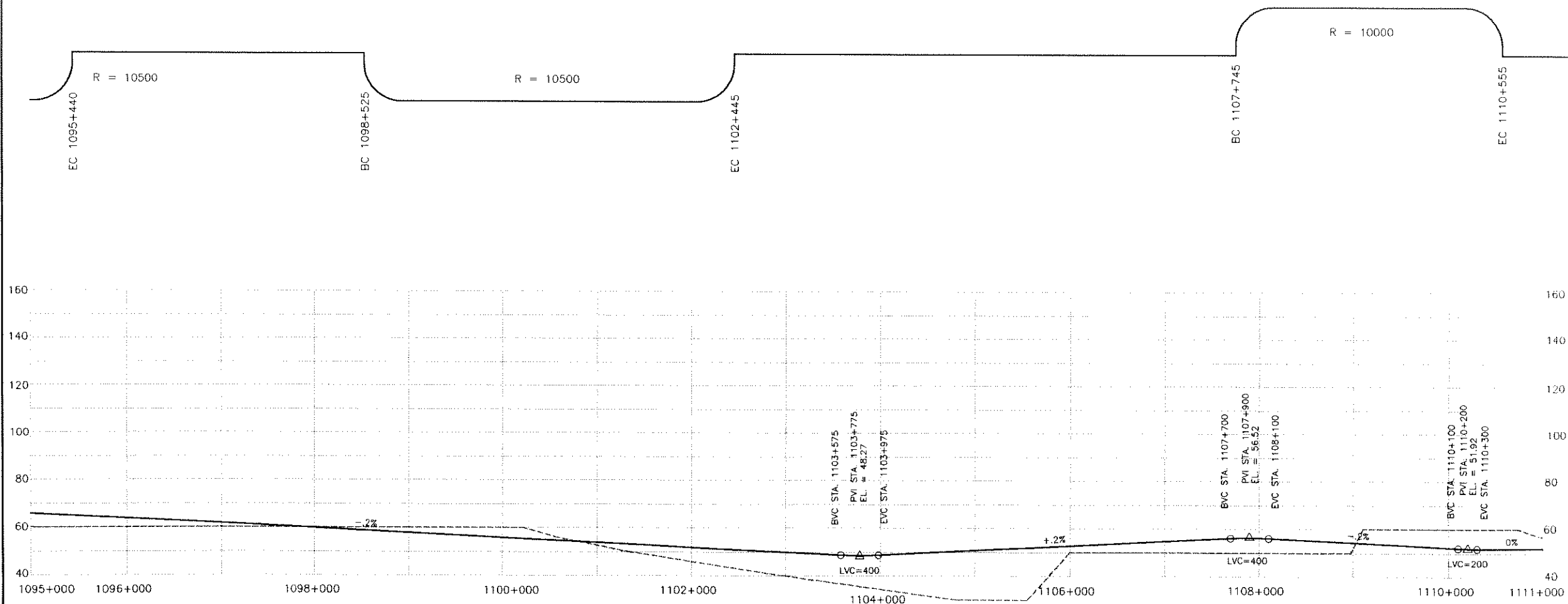
QUEBEC – ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION – MONTREAL

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 09 OF 14

10-MAR-93 FILE NAME: D:\013164A\RD\ACAD11\OM300E10.DWG  
2:41 PM



QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000

VER. 1:2000

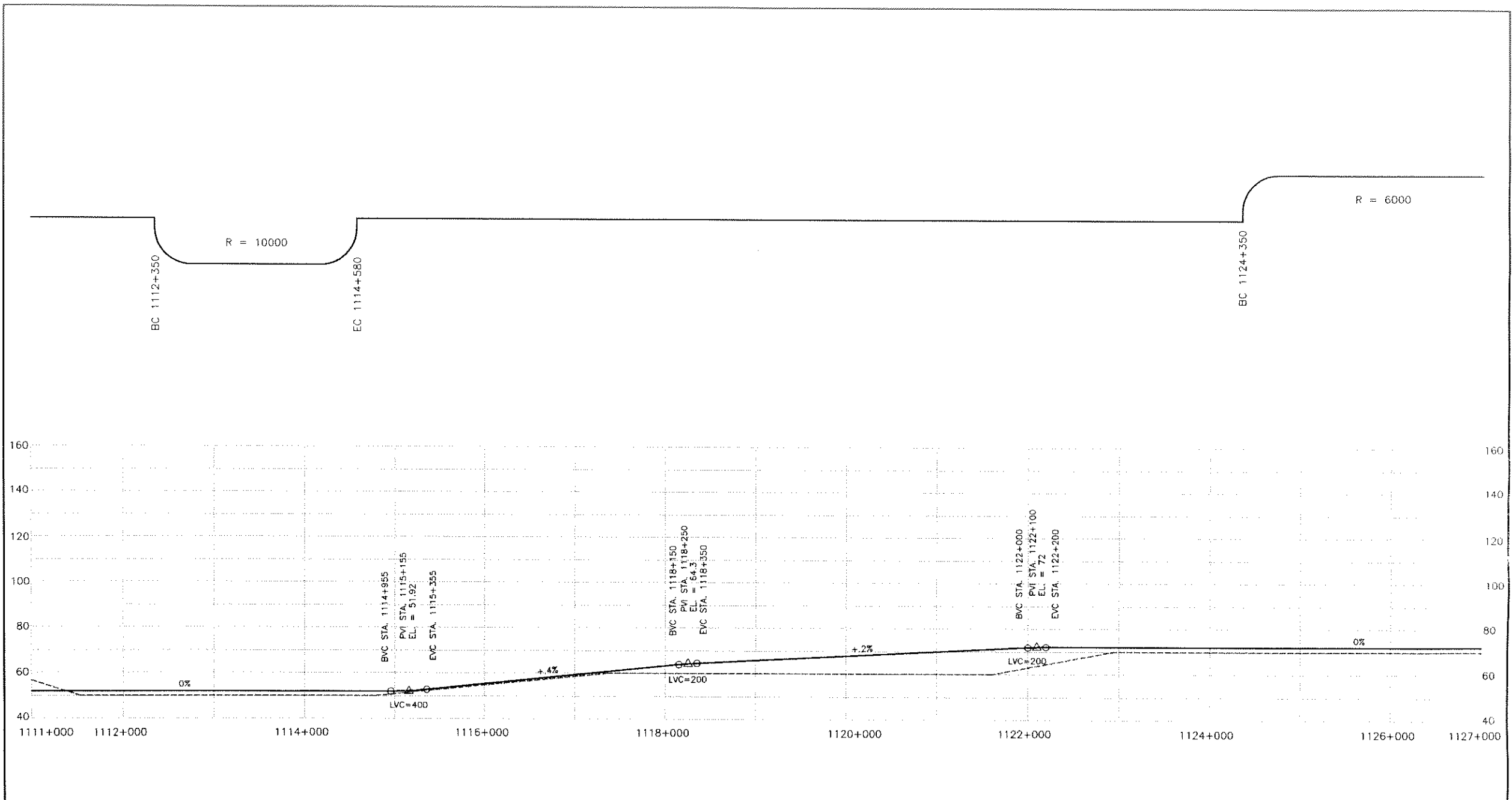
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DATE: 10/3/1993

REVISION:

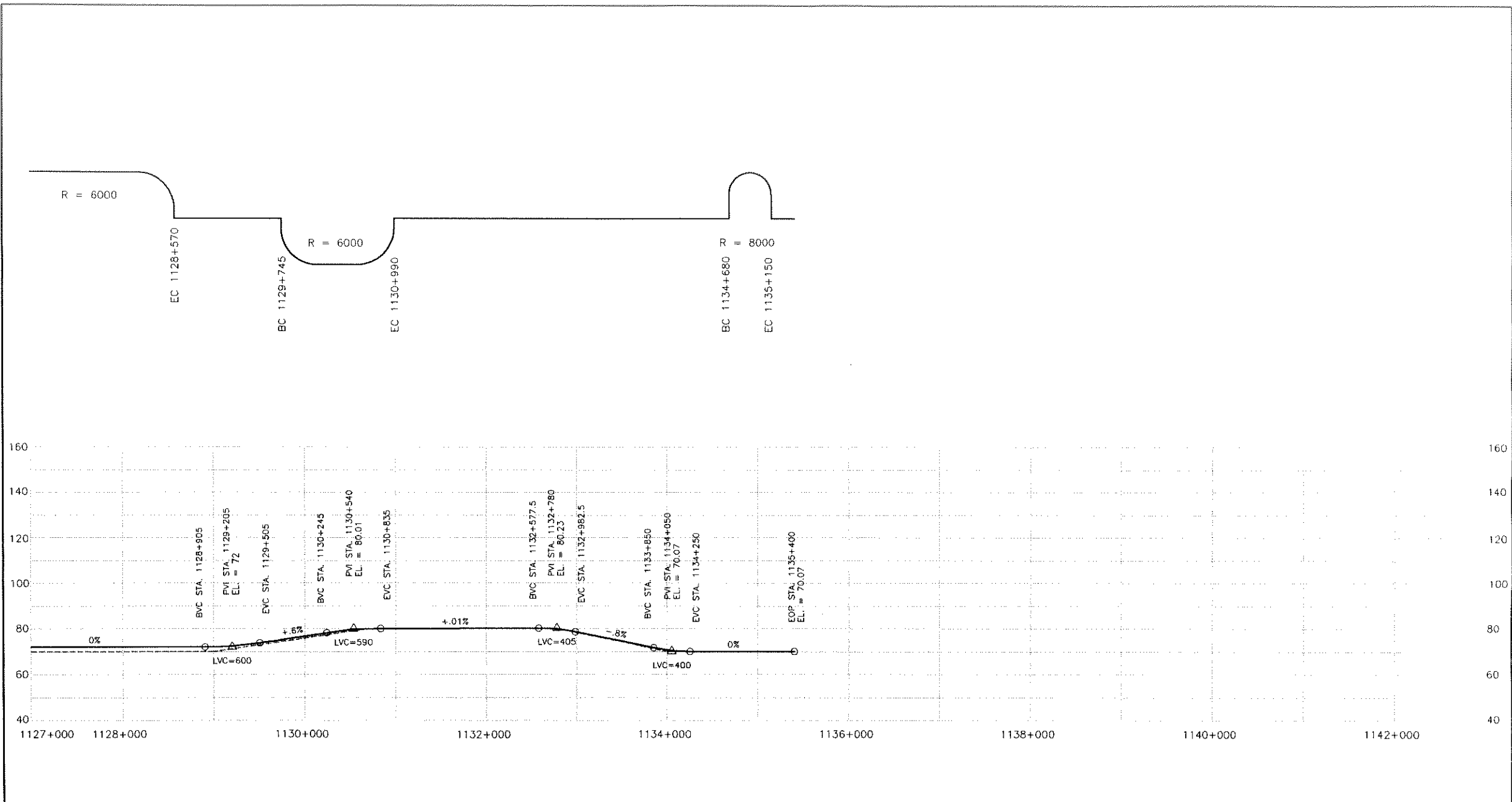
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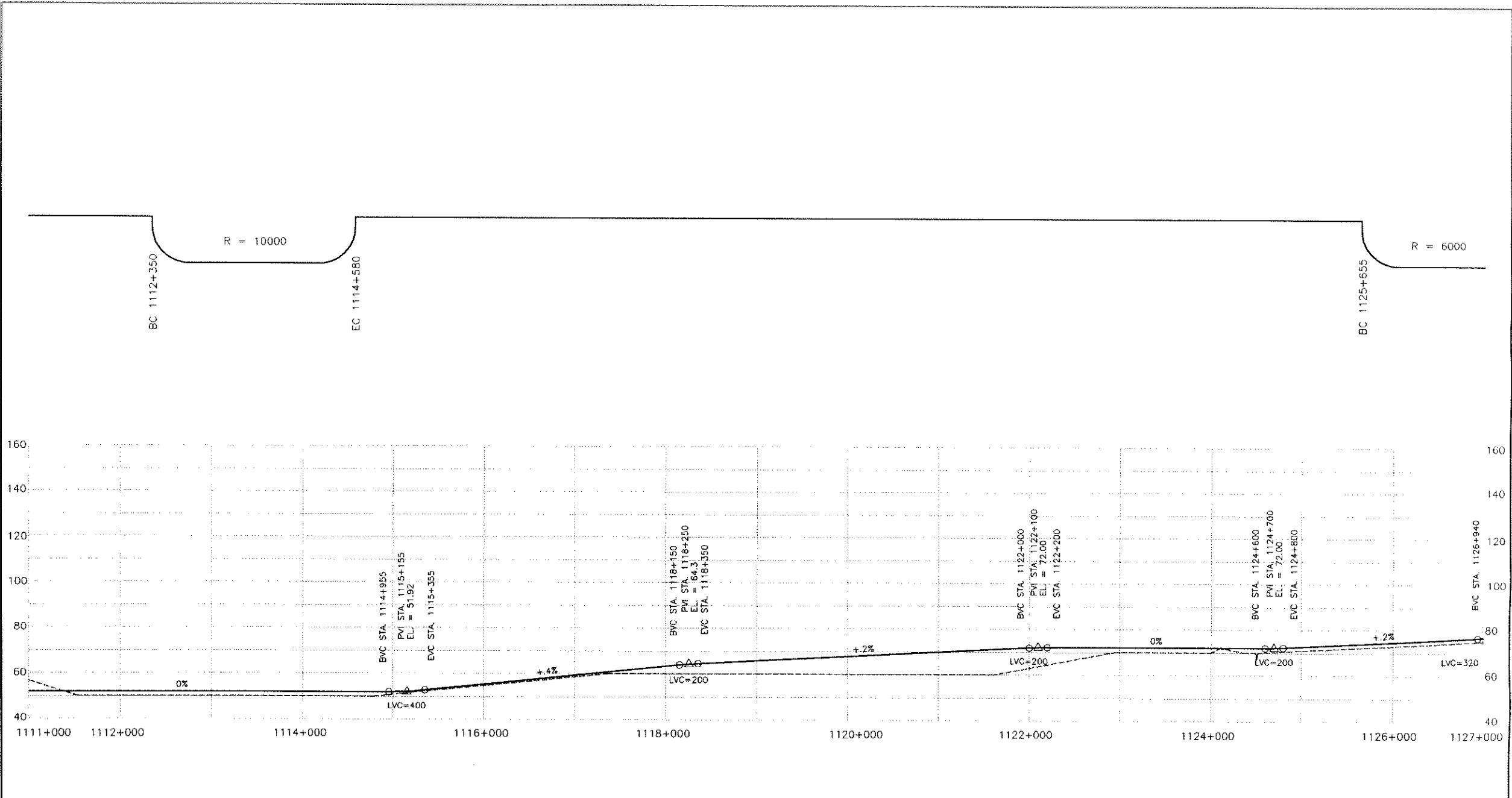
QUEBEC – ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON EXISTING ROW REPRESENTATIVE ROUTE NATIONAL CAPITAL REGION – MONTREAL		SCALE: HOR. 1:50000 VER. 1:2000	DATE: 10/3/1993
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				SHEET 11 OF 14

10-MAR-93 FILE NAME: D:\0131644\RD\ACAD\1\0M300E12.DWG  
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<b>QUEBEC – ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>300 kph PLUS ON EXISTING ROW</b> <b>REPRESENTATIVE ROUTE</b> <b>NATIONAL CAPITAL REGION – MONTREAL</b>		SCALE: HOR. 1:50000 VER. 1:2000	DATE: 10/3/1993 REVISION:
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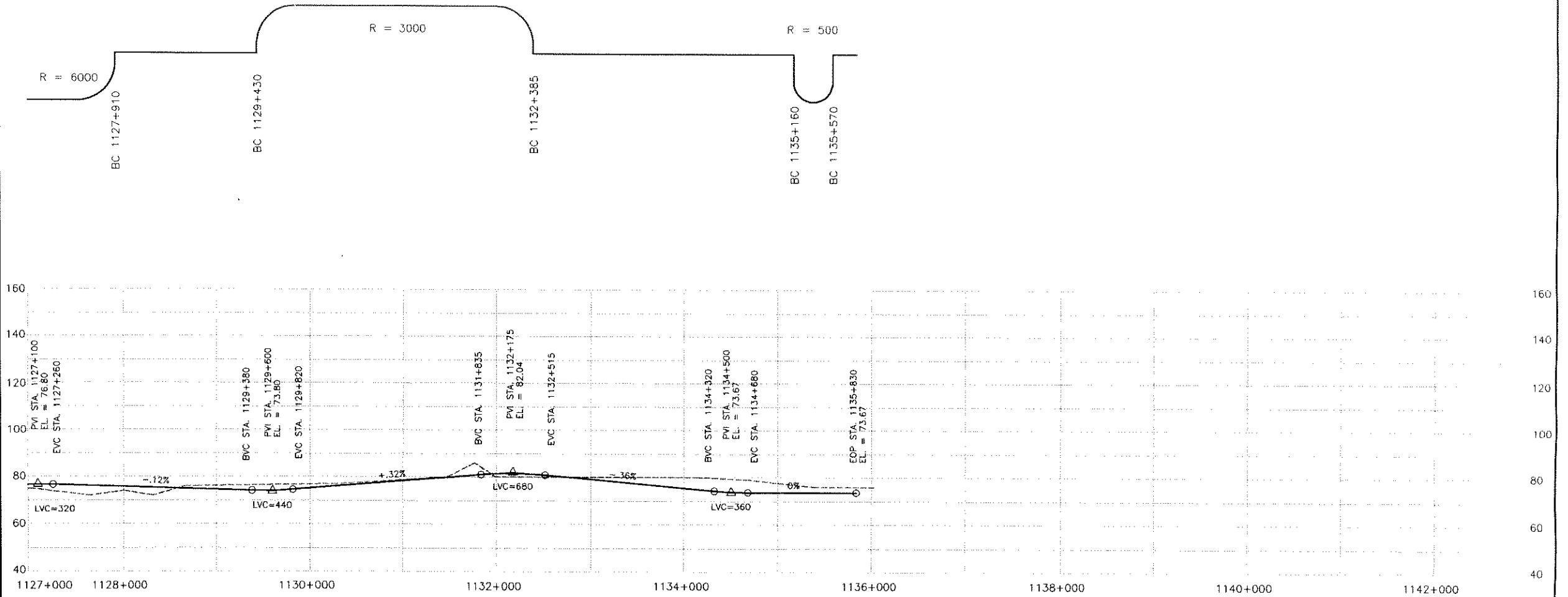
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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 SEGMENT CODE: TM1-GO

DATE: 10/3/1993  
 REVISION:  
 SHEET 13 OF 14

10-MAR-93 4:35 PM FILE NAME: D:\013164\RD\ACAD11\OM300E14.DWG



QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

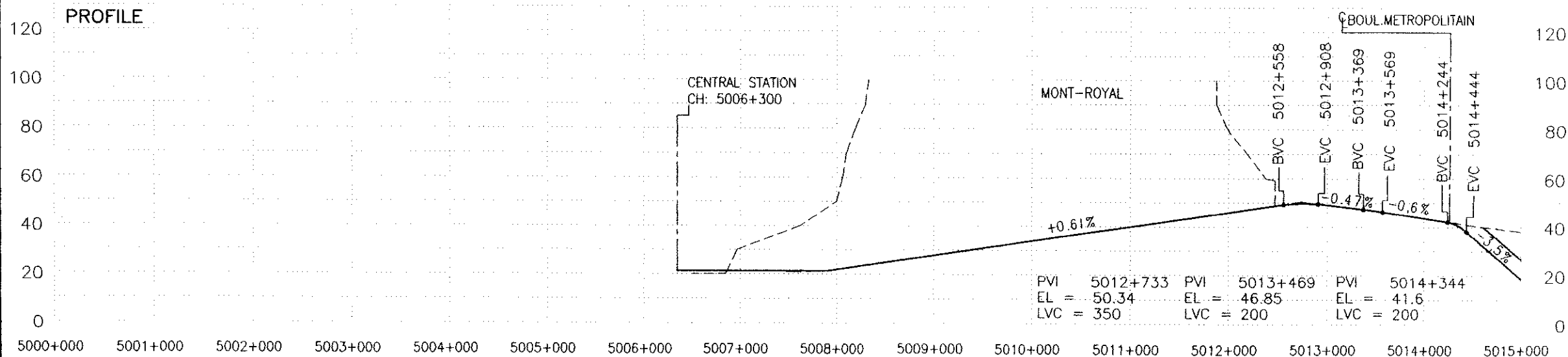
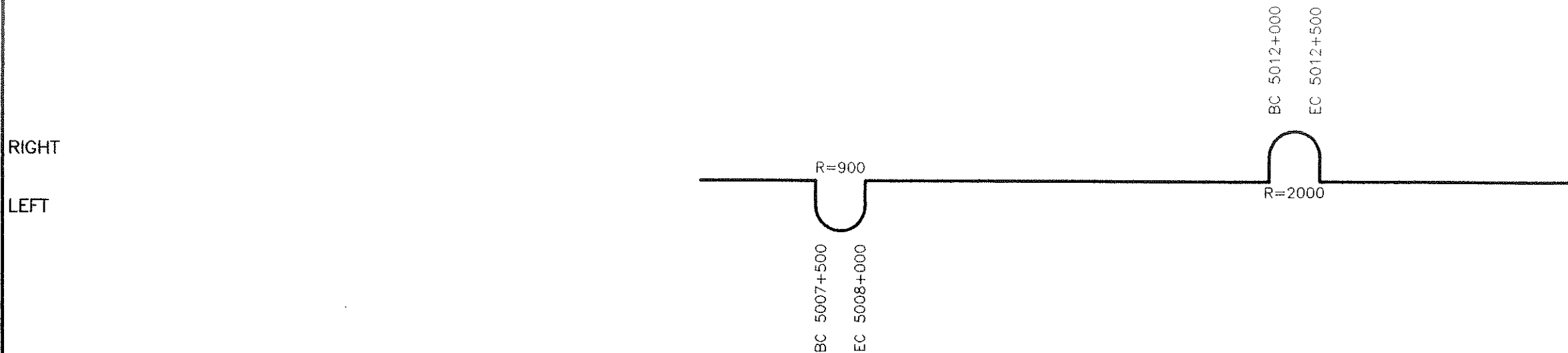
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DATE: 10/3/1993  
 REVISION:  
 SHEET 14 OF 14

**OVER 300 KPH NON-TILTING TECHNOLOGY IN EXISTING RAIL CORRIDORS**

**CP LACHUTE - MONTREAL**

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

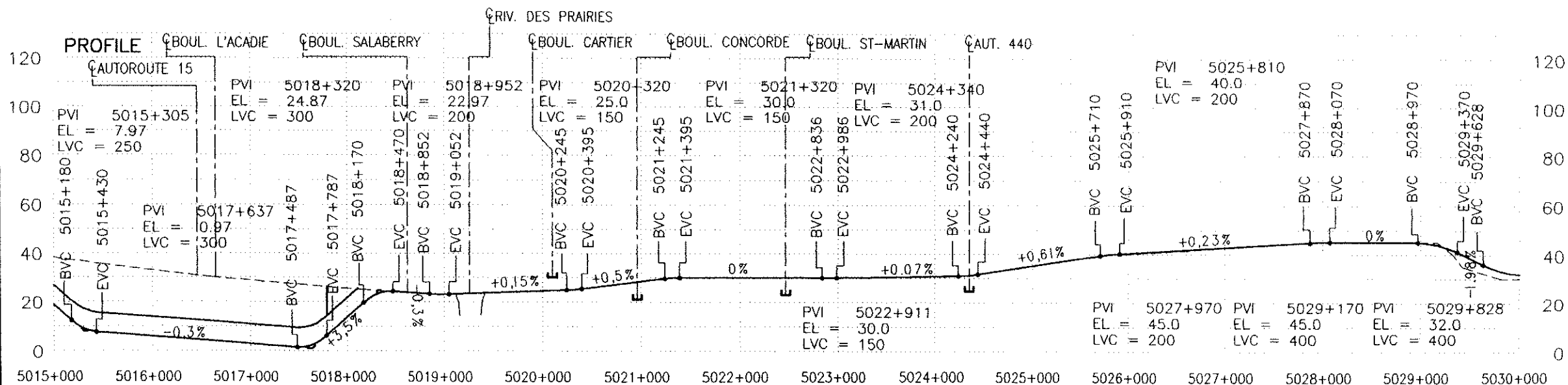
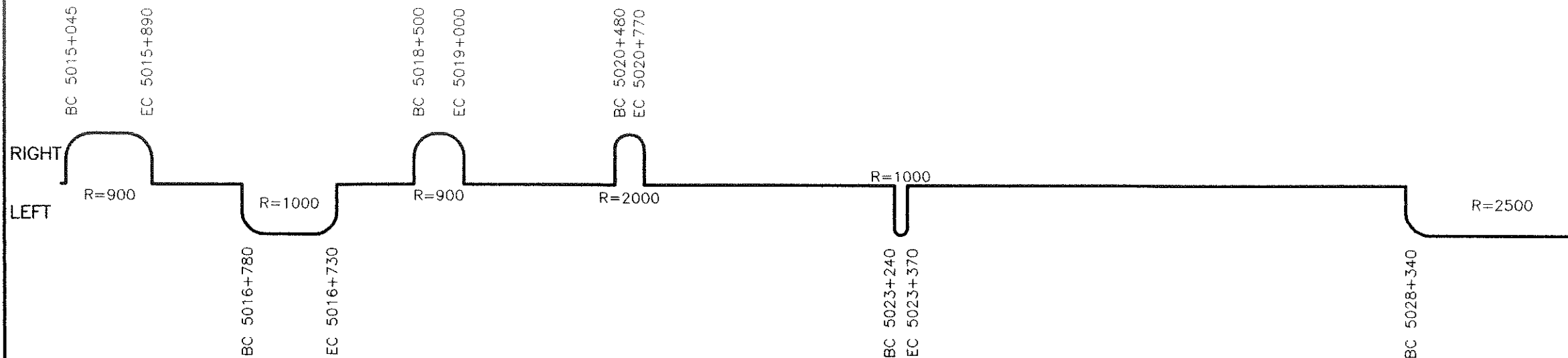
OVER 300 kph ON EXISTING ROW  
REPRESENTATIVE ROUTE  
MONTREAL - CP LACHUTE

SCALE: HOR. 1:50 000  
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SEGMENT CODE:

DATE: MAR/93  
REVISION:  
SHEET 1 OF 4



PLAN - SCHEMATIC



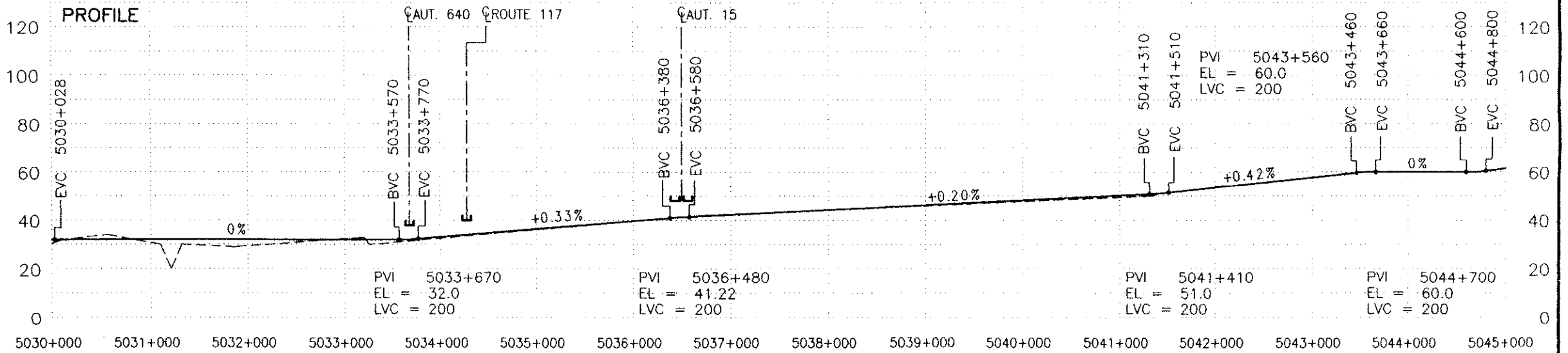
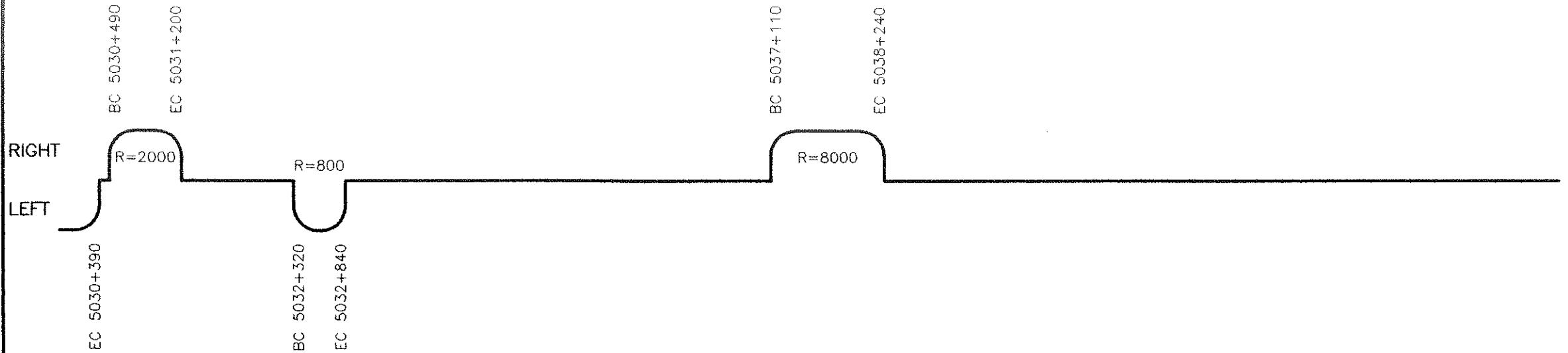
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - CP LACHUTE

SCALE: HOR. 1:50 000  
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 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 2 OF 4

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - CP LACHUTE

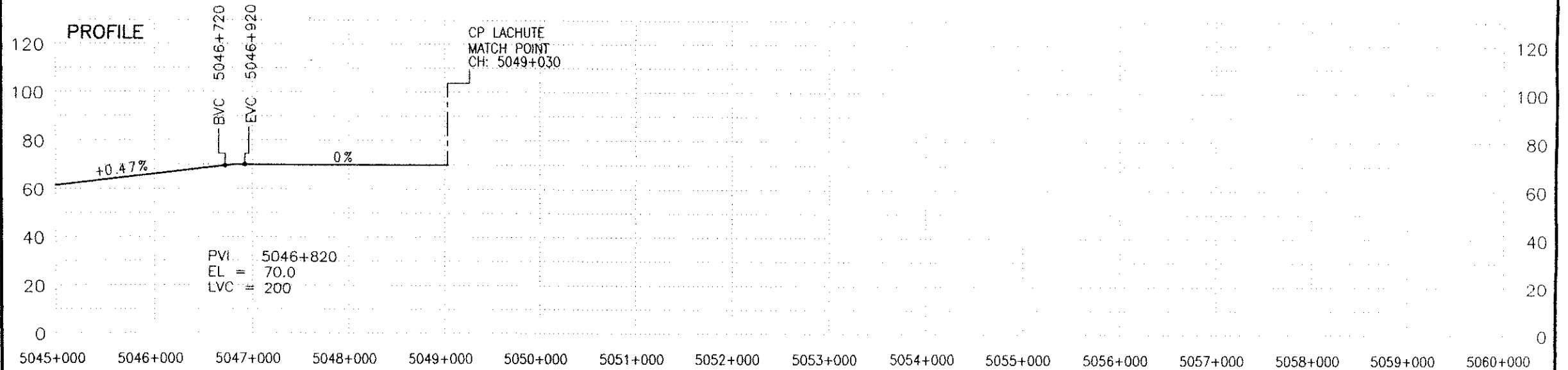
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DATE: MAR/93  
 REVISION:  
 SHEET 3 OF 4

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - CP LACHUTE

SCALE: HOR. 1:50 000  
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DATE: MAR/93

REVISION:

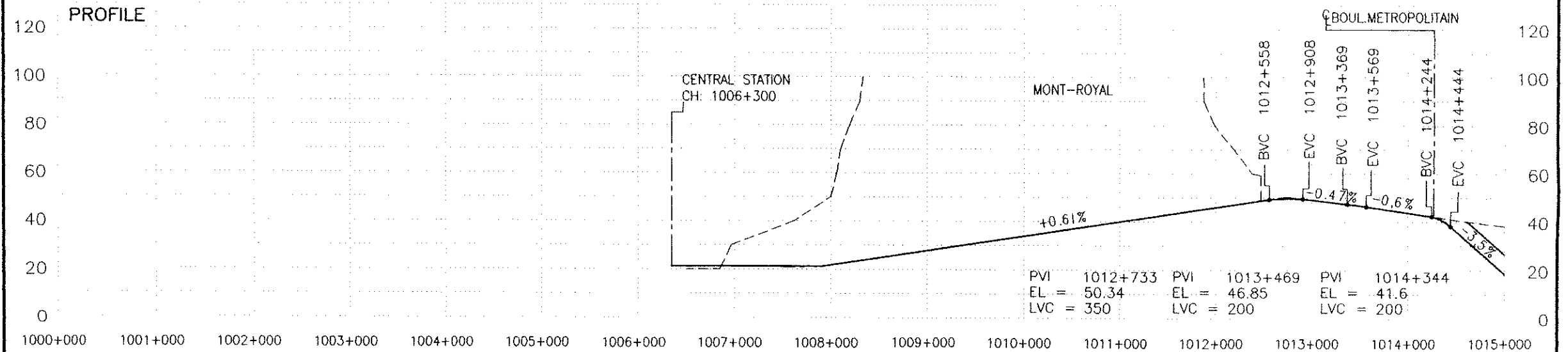
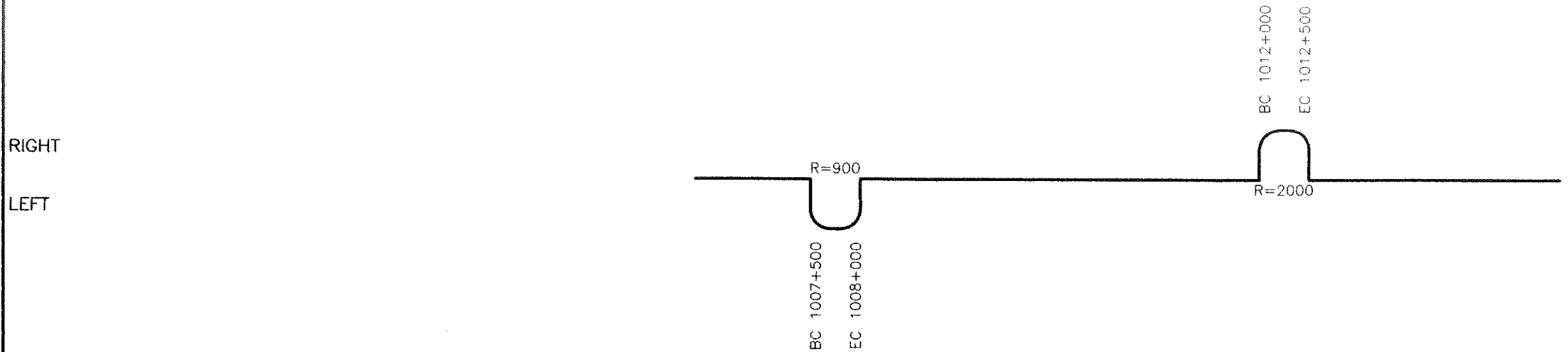
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**OVER 300 KPH NON-TILTING TECHNOLOGY IN EXISTING RAIL CORRIDORS**

**MONTREAL - QUEBEC**

PLAN - SCHEMATIC



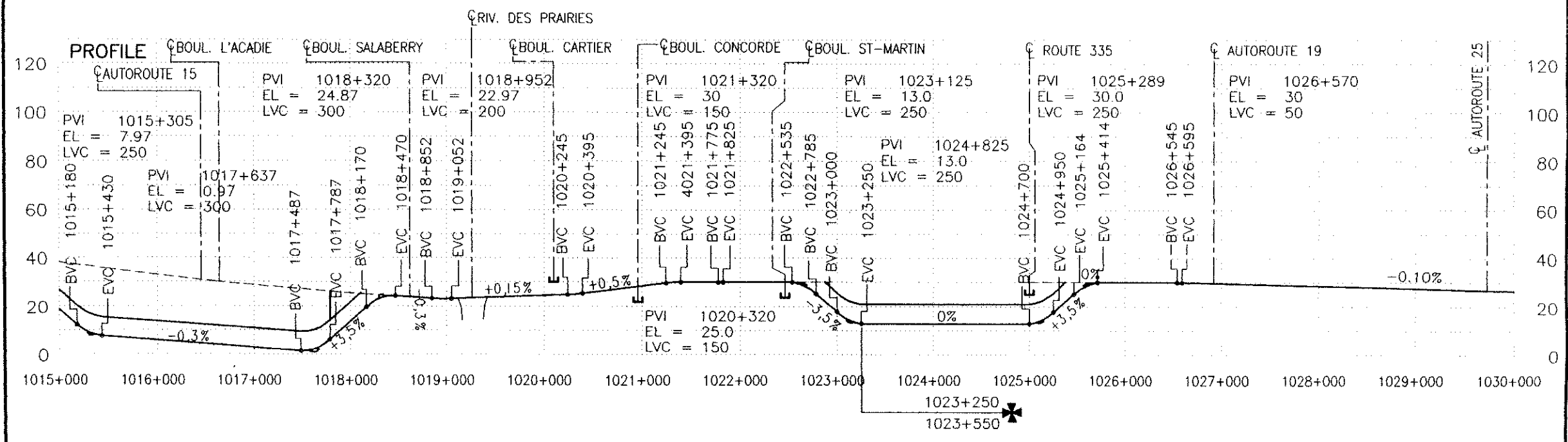
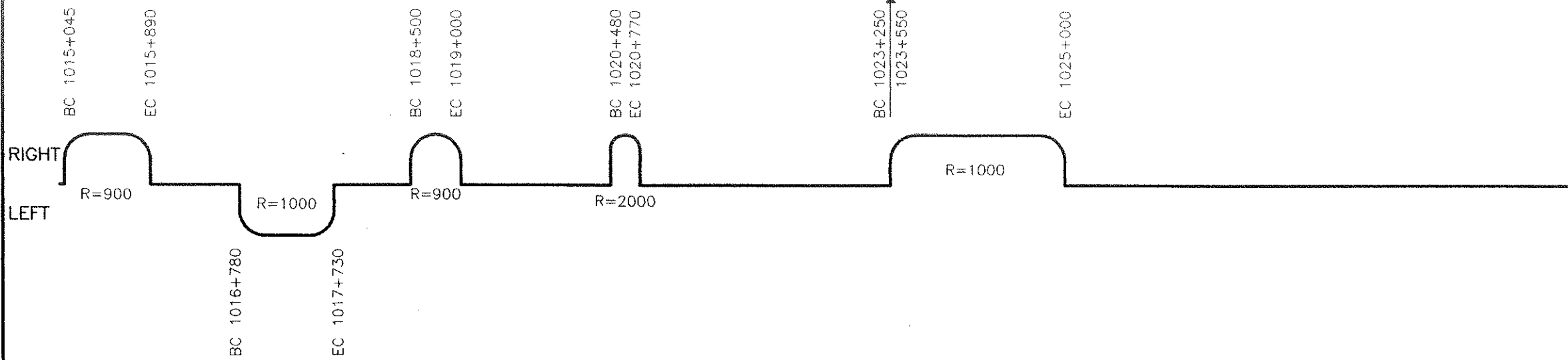
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
REPRESENTATIVE ROUTE  
MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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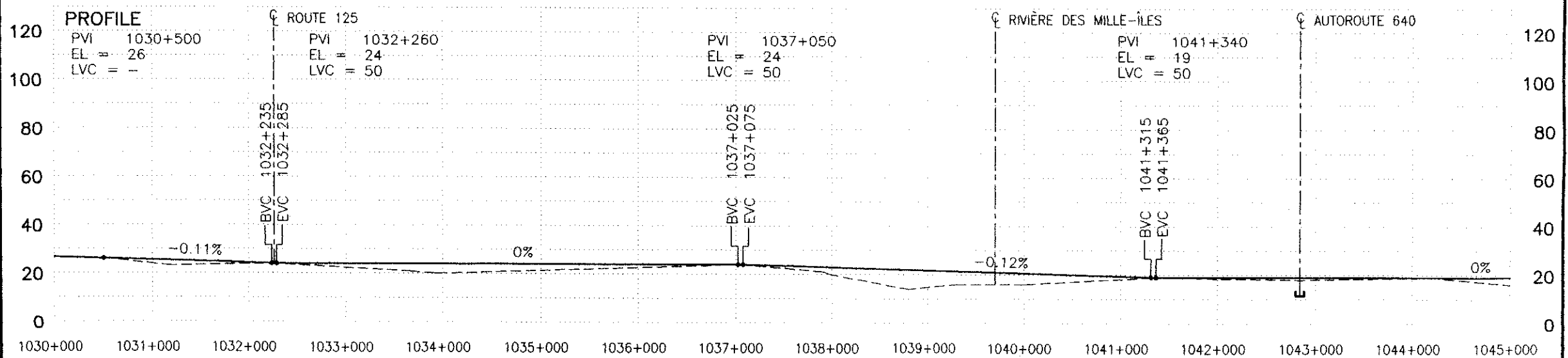
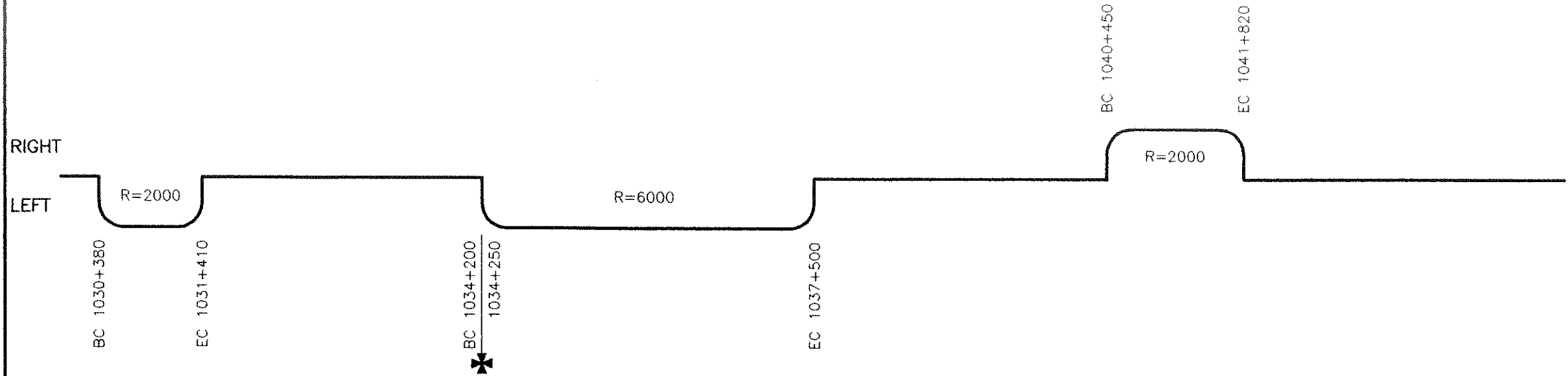
DATE: MAR/93  
REVISION:  
SHEET 1 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
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PLAN - SCHEMATIC

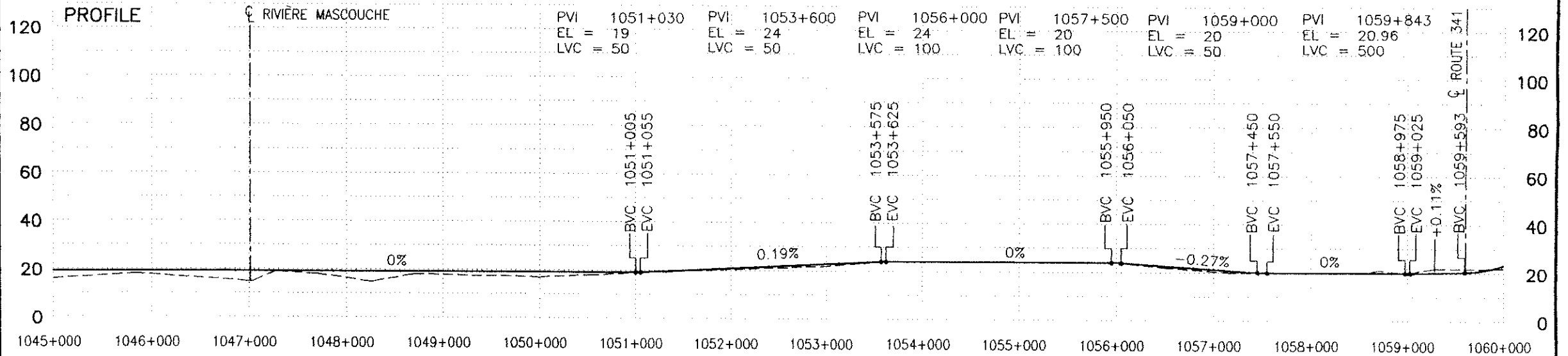


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE:	SHEET 3 OF 19

PLAN — SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

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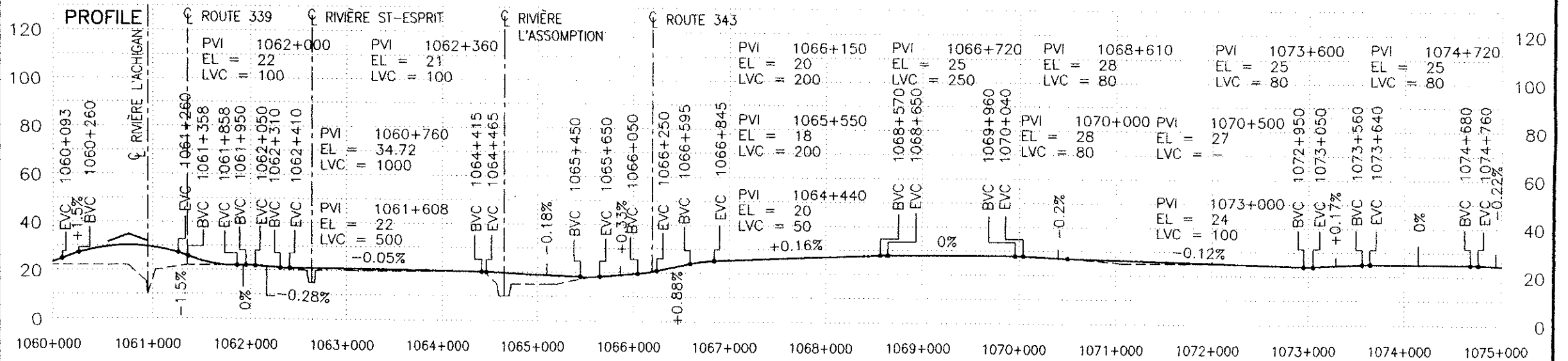
DATE: MAR/93  
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 SHEET 4 OF 19



PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

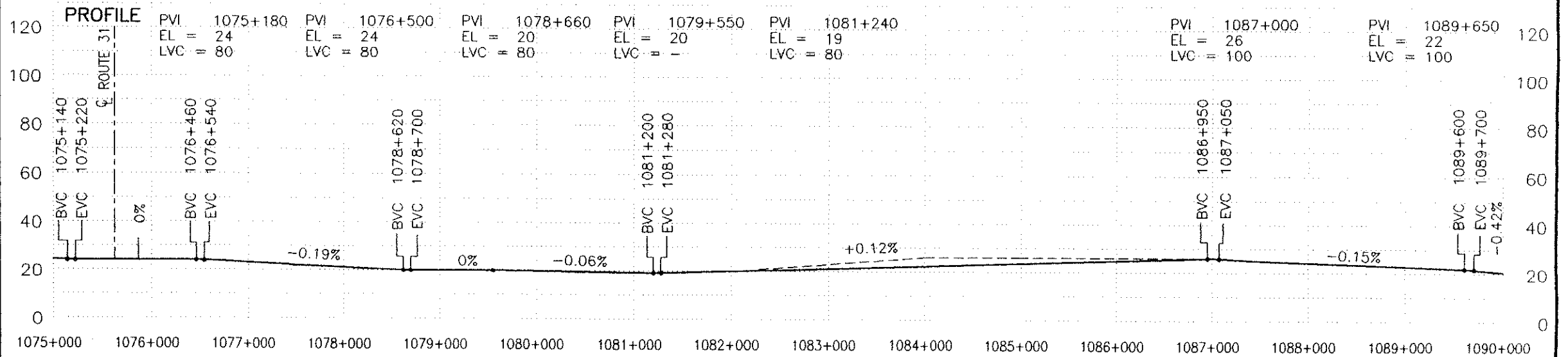
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DATE: MAR/93  
 REVISION:  
 SHEET 5 OF 19

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000

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SEGMENT CODE:

DATE: MAR/93

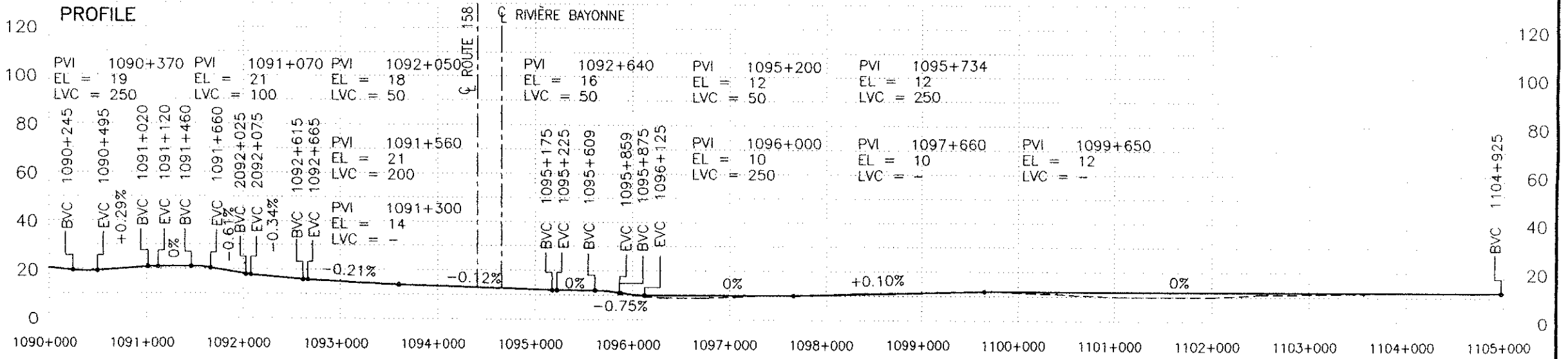
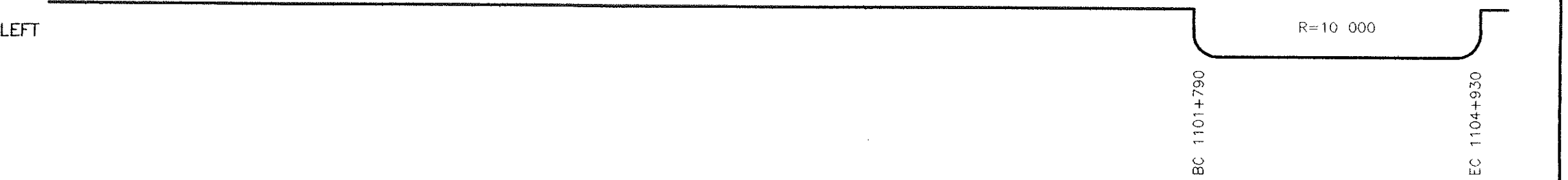
REVISION:

SHEET 6 OF 19

PLAN — SCHEMATIC

RIGHT

LEFT



QUEBEC—ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL — QUEBEC

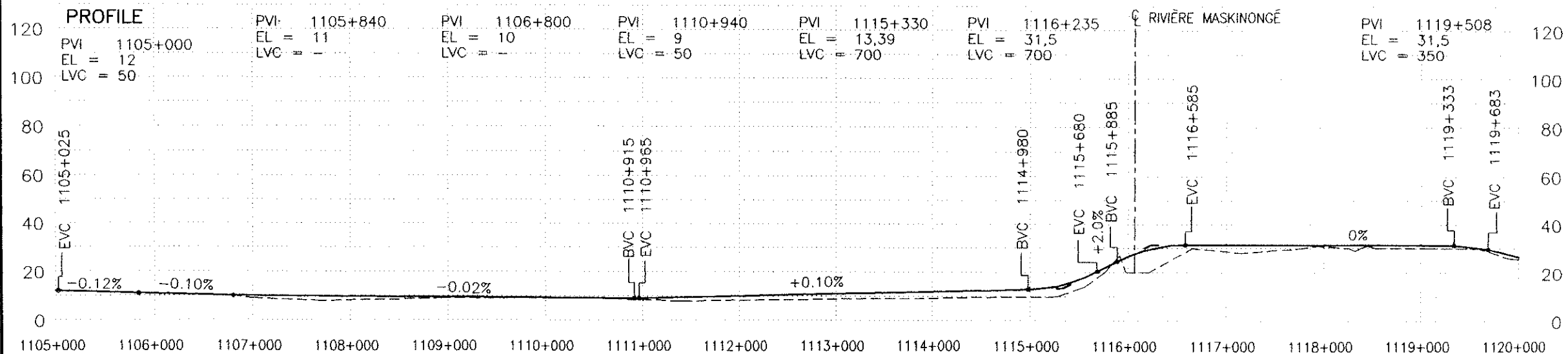
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DATE: MAR/93  
 REVISION:  
 SHEET 7 OF 19

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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DATE: MAR/93

REVISION:

SEGMENT CODE:

SHEET 8 OF 19

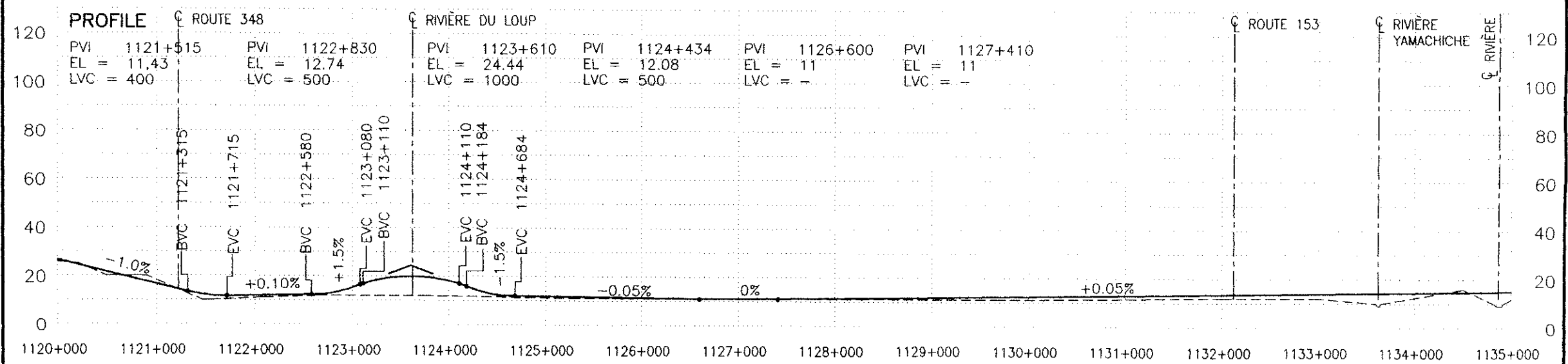
PLAN — SCHEMATIC

BC 1131+000

RIGHT

R=6000

LEFT



QUEBEC—ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL — QUEBEC

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DATE: MAR/93  
 REVISION:  
 SHEET 9 OF 19

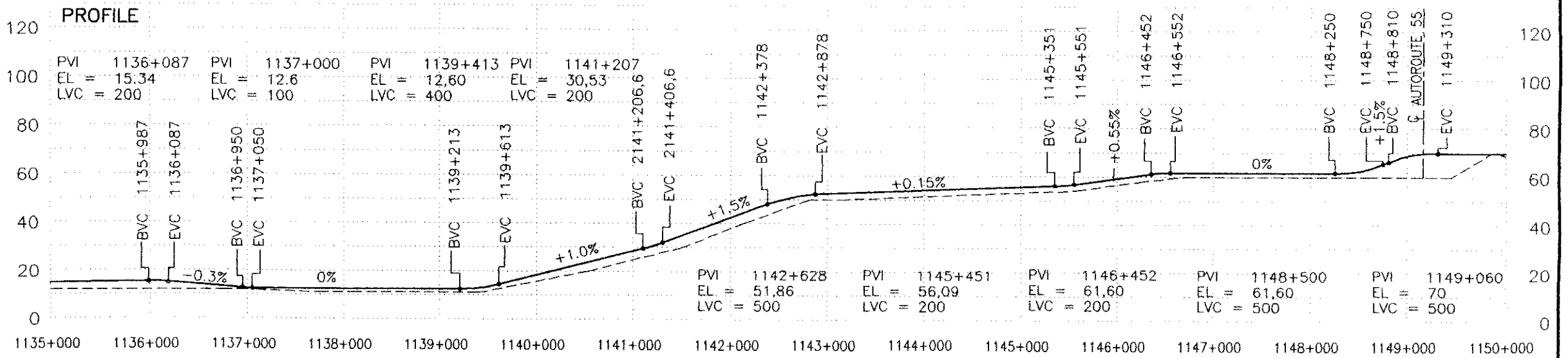
PLAN - SCHEMATIC

BC 1135+230

RIGHT

LEFT

PROFILE



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

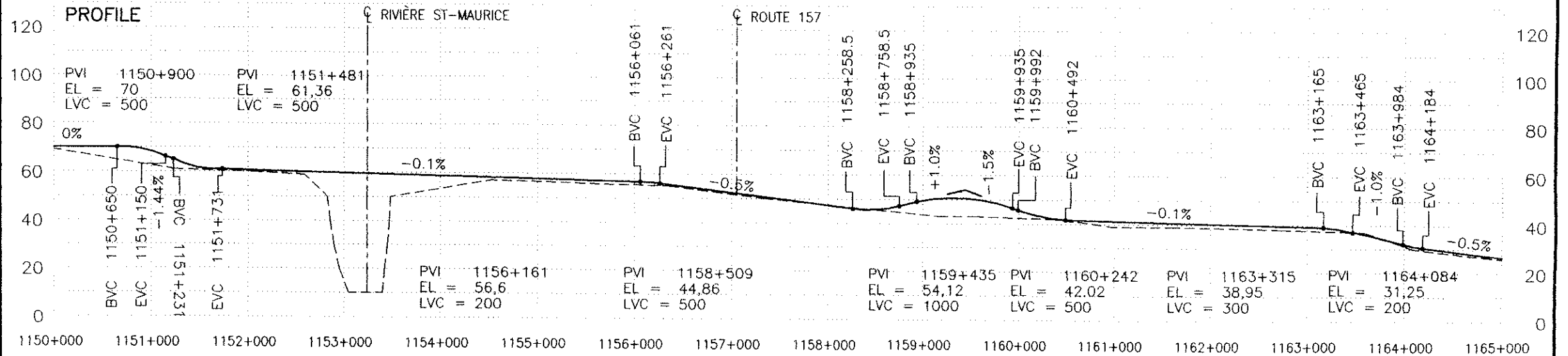
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DATE: MAR/93  
 REVISION:  
 SHEET 10 OF 19

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000

VER. 1:2000

SEGMENT CODE:

DATE: MAR/93

REVISION:

SHEET 11 OF 19

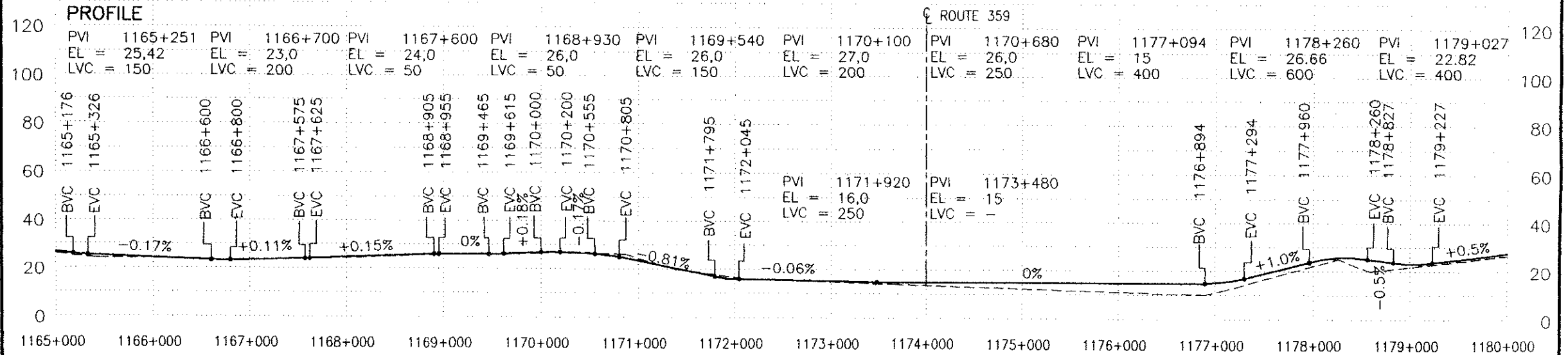
PLAN - SCHEMATIC

RIGHT

LEFT

R=10 000

BC 1177+040



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

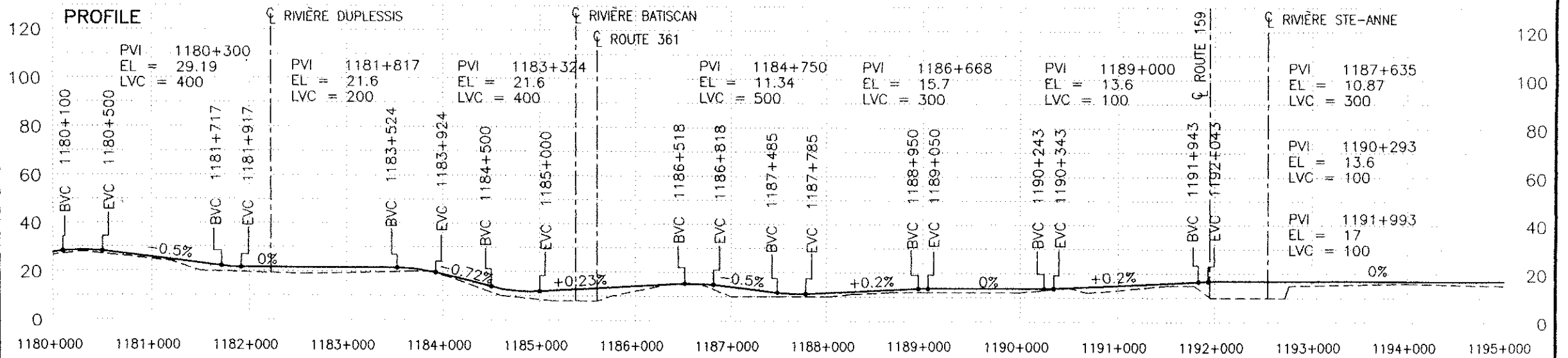
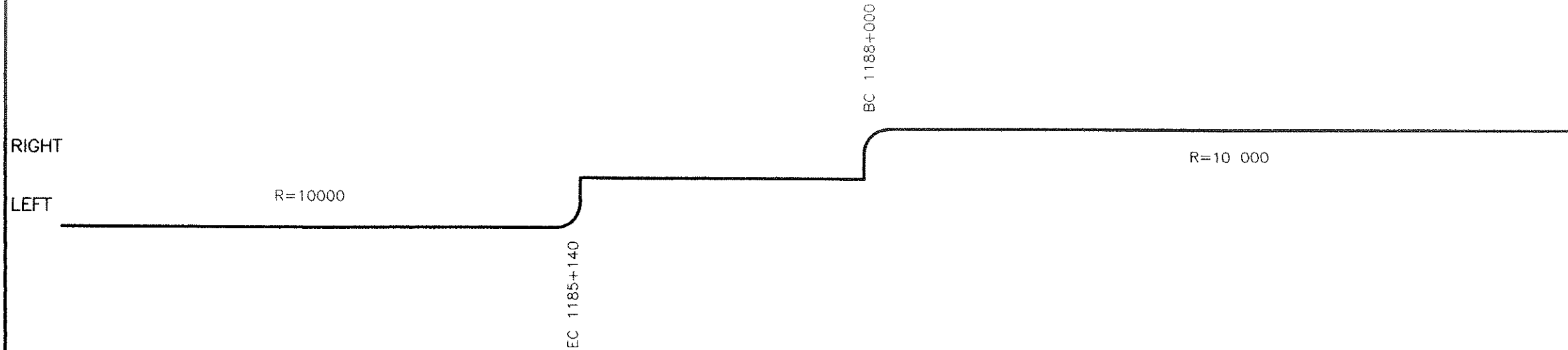
OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 12 OF 19

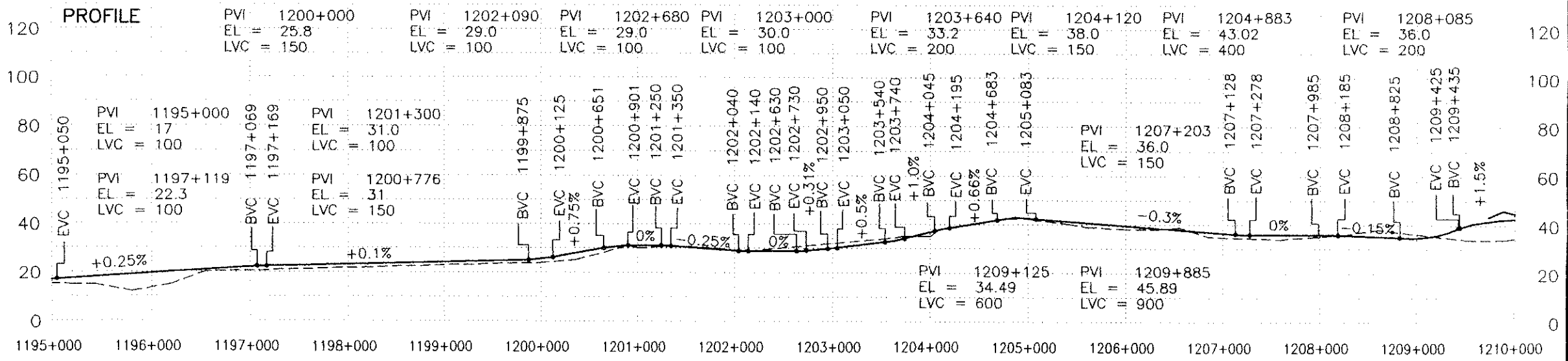
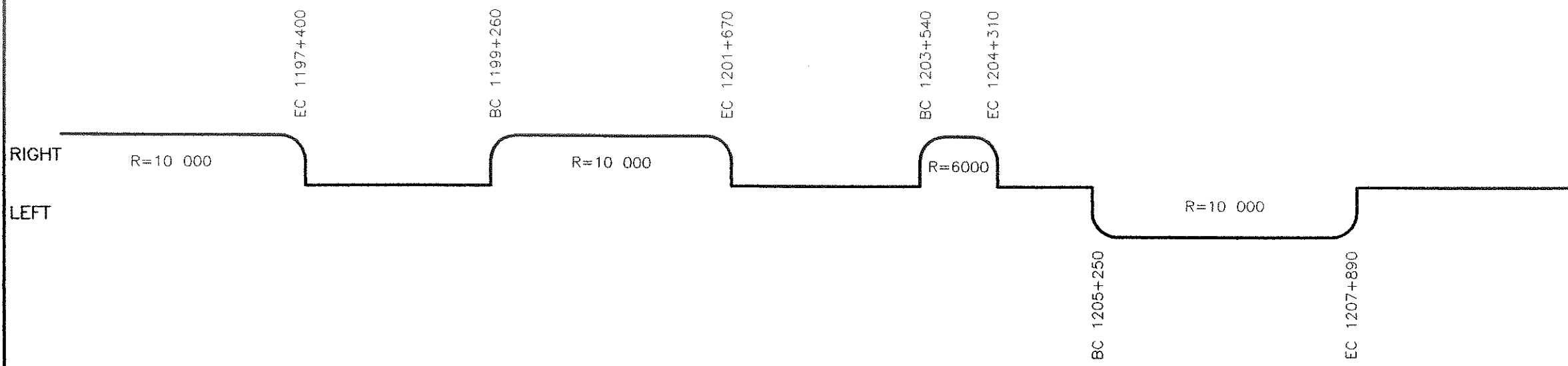


PLAN - SCHEMATIC



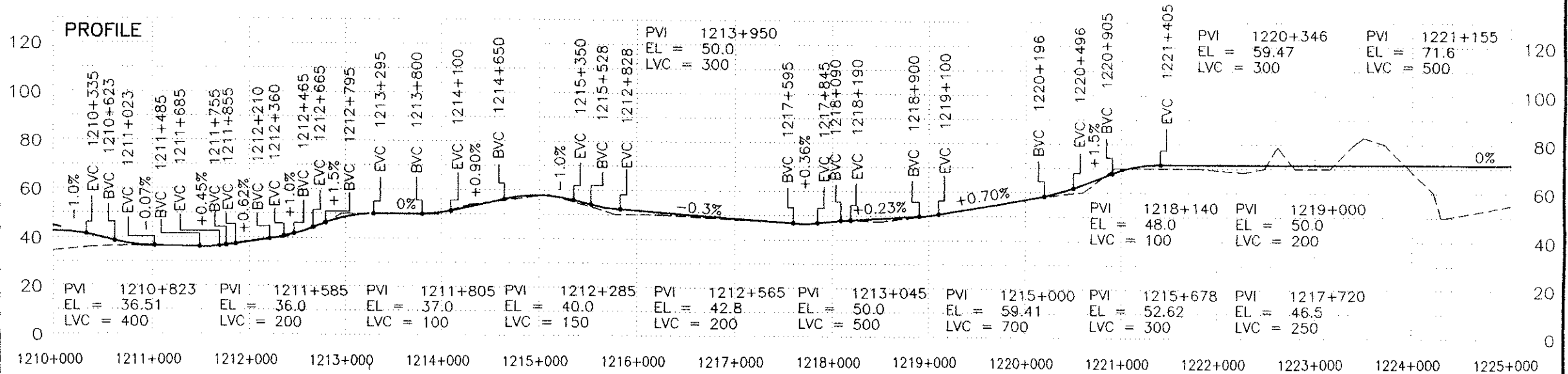
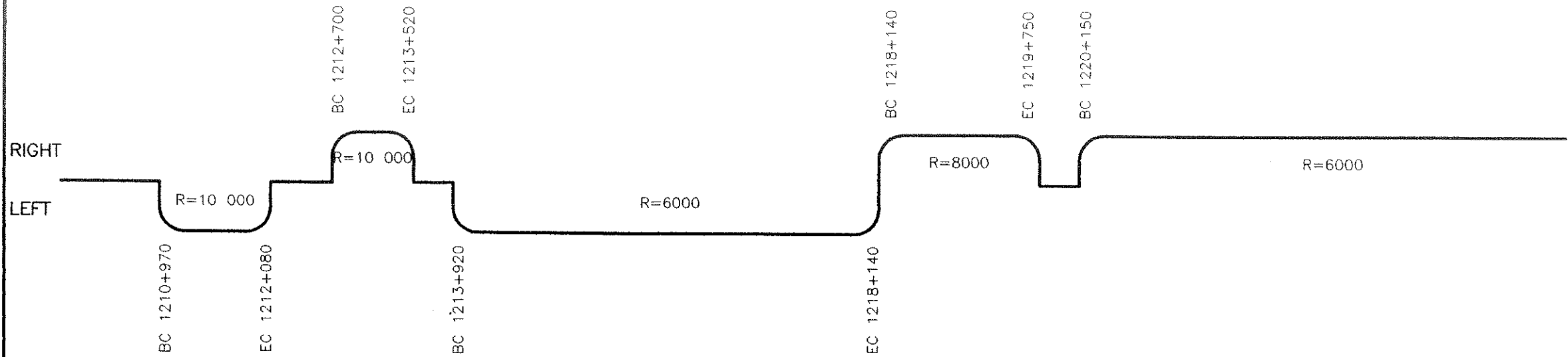
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE:	SHEET 13 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON EXISTING ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE:	SHEET 14 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000

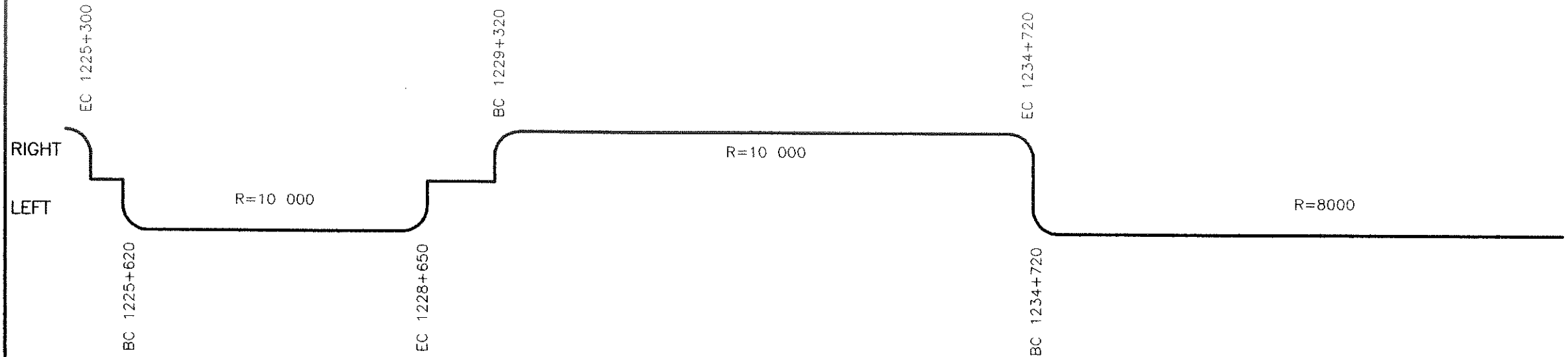
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DATE: MAR/93

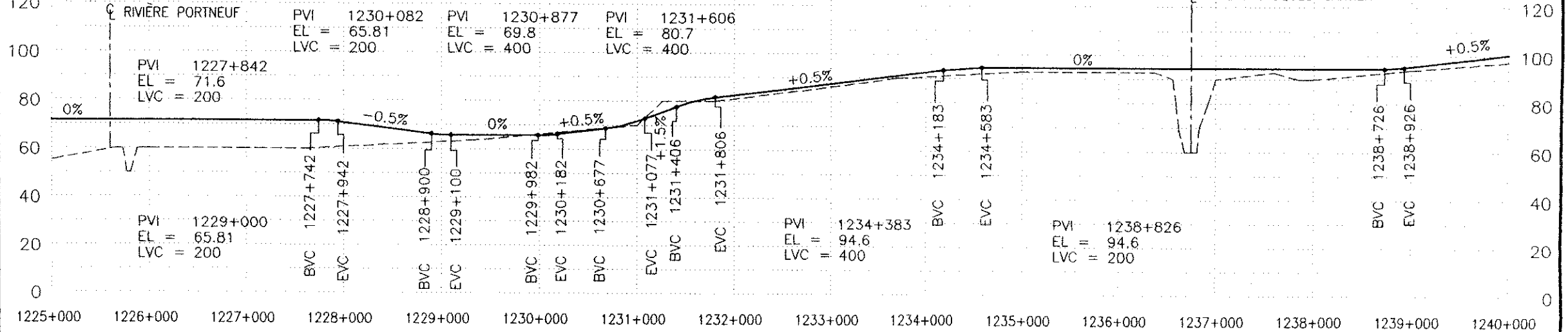
REVISION:

SHEET 15 OF 19

PLAN - SCHEMATIC



PROFILE



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000

VER. 1:2000

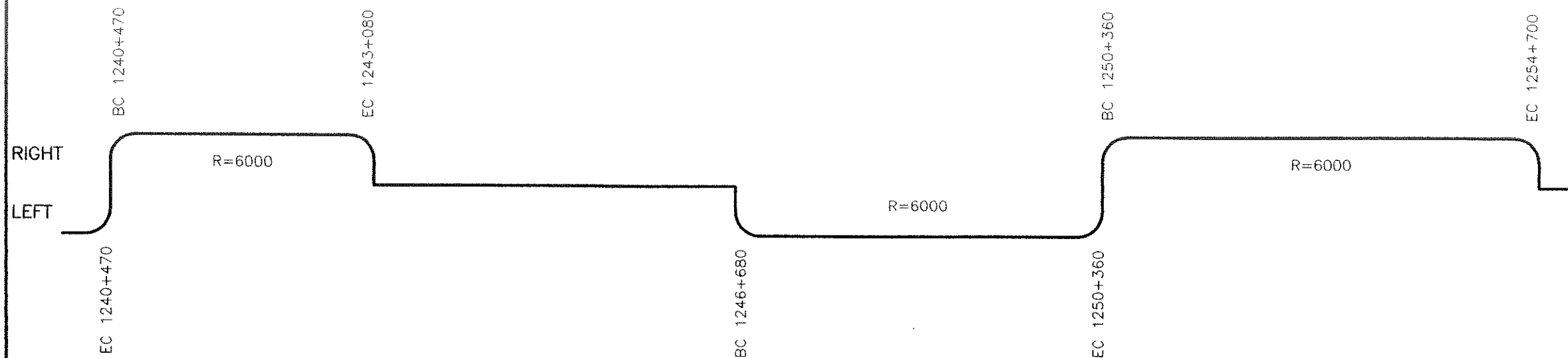
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DATE: MAR/93

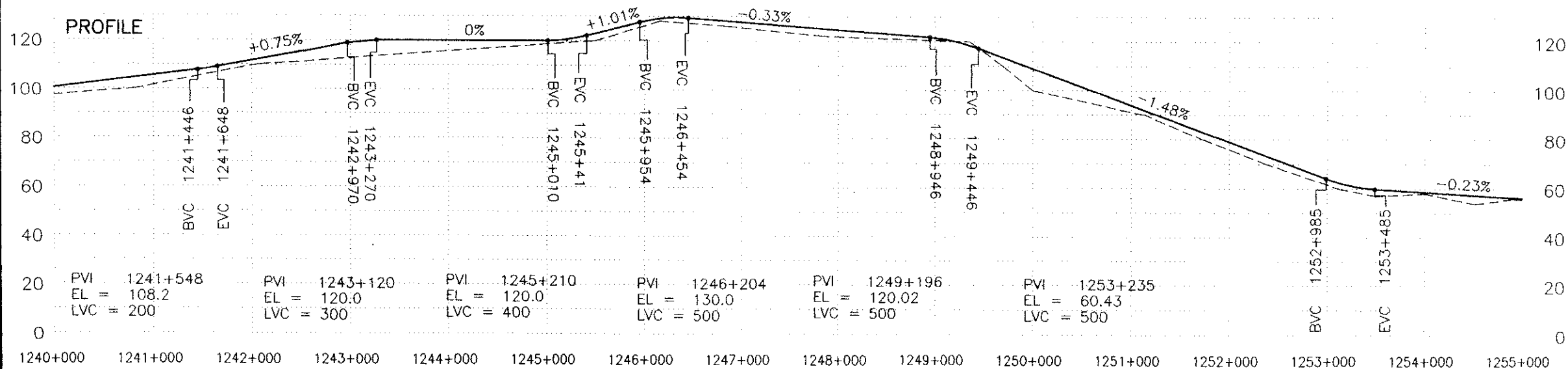
REVISION:

SHEET 16 OF 19

PLAN - SCHEMATIC



PROFILE



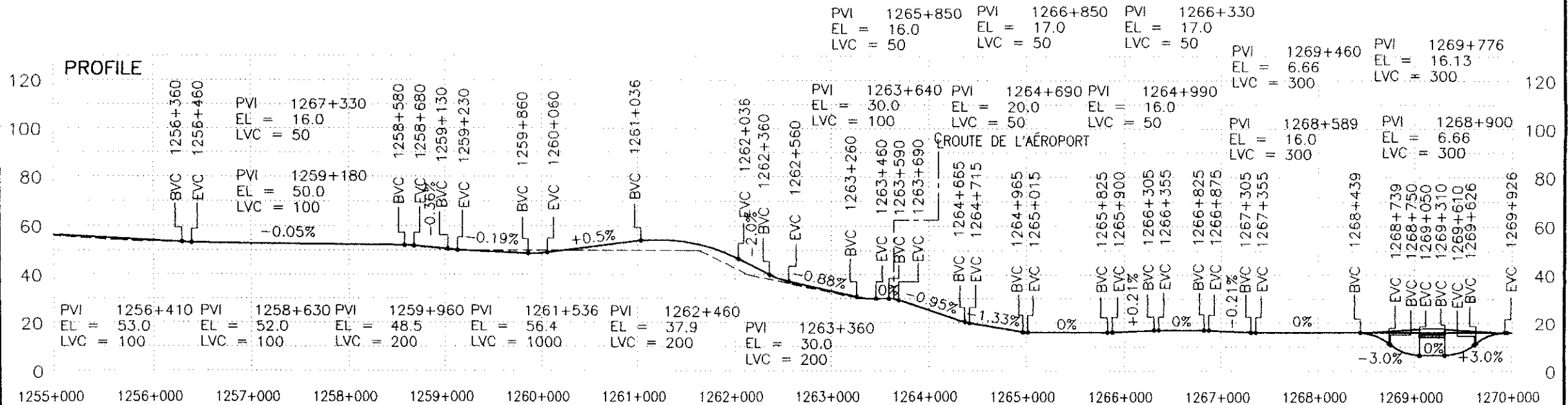
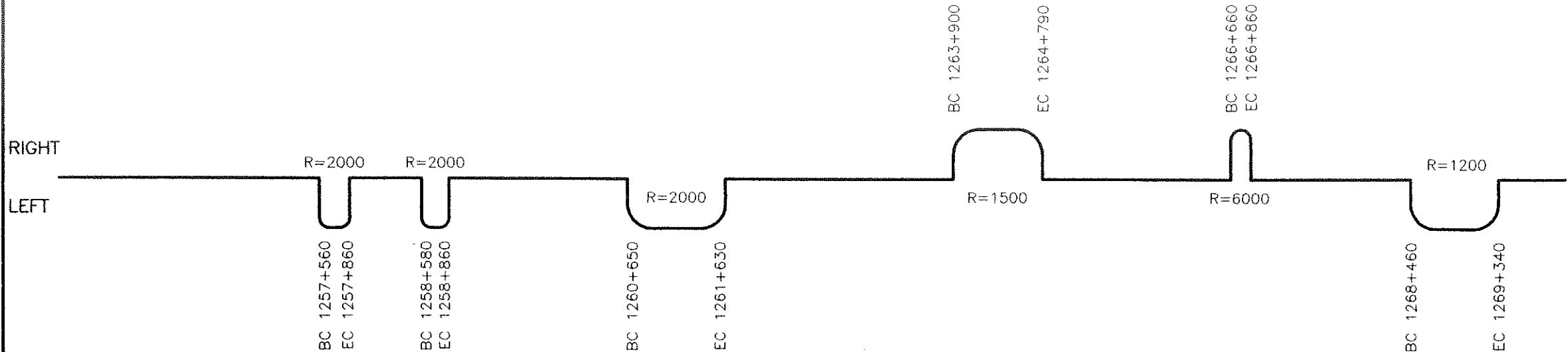
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 17 OF 19

PLAN - SCHEMATIC



REVISION 2 93 02 04

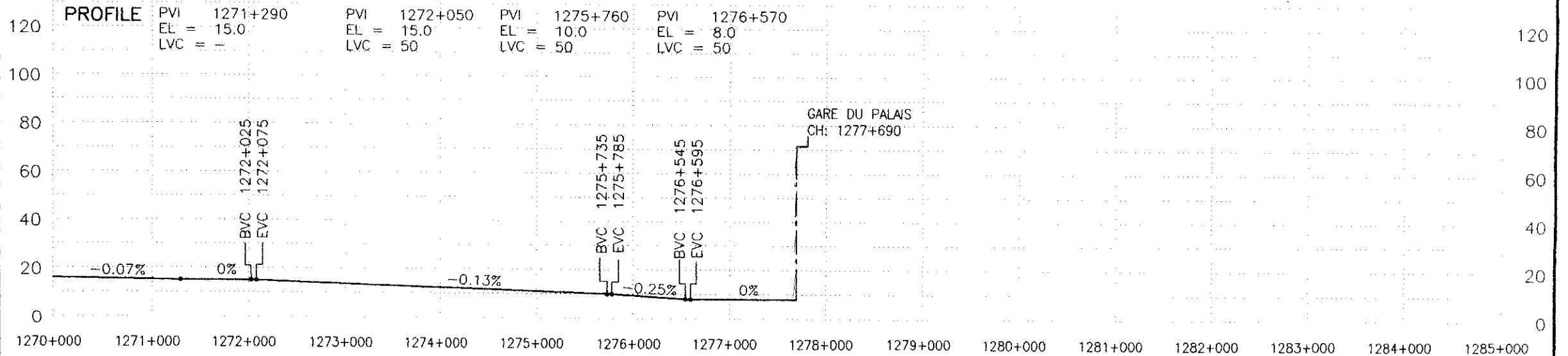
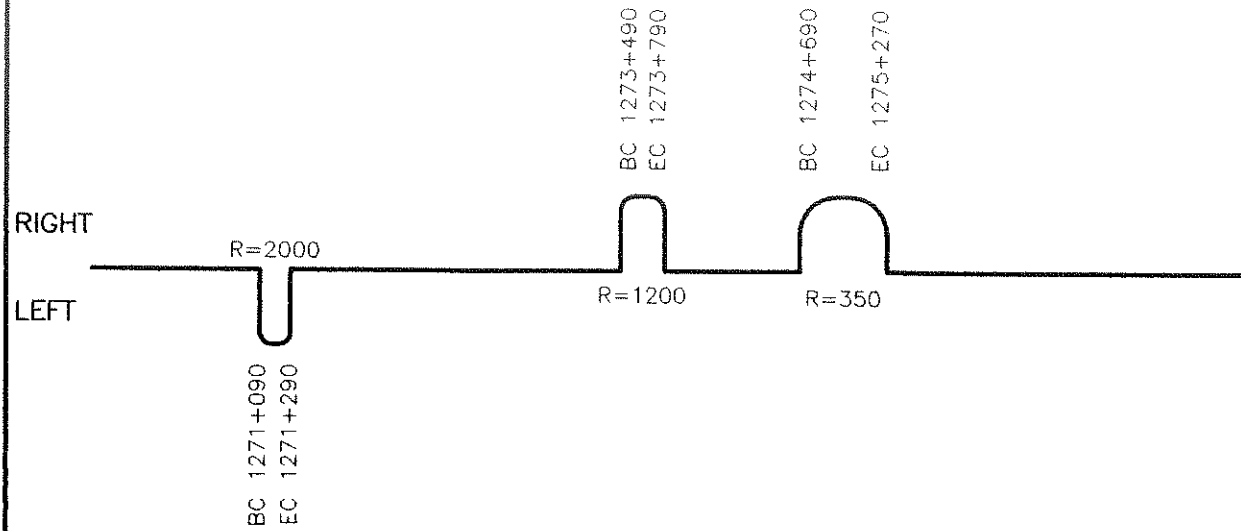
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 18 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON EXISTING ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000

DATE: MAR/93

REVISION:

SEGMENT CODE:

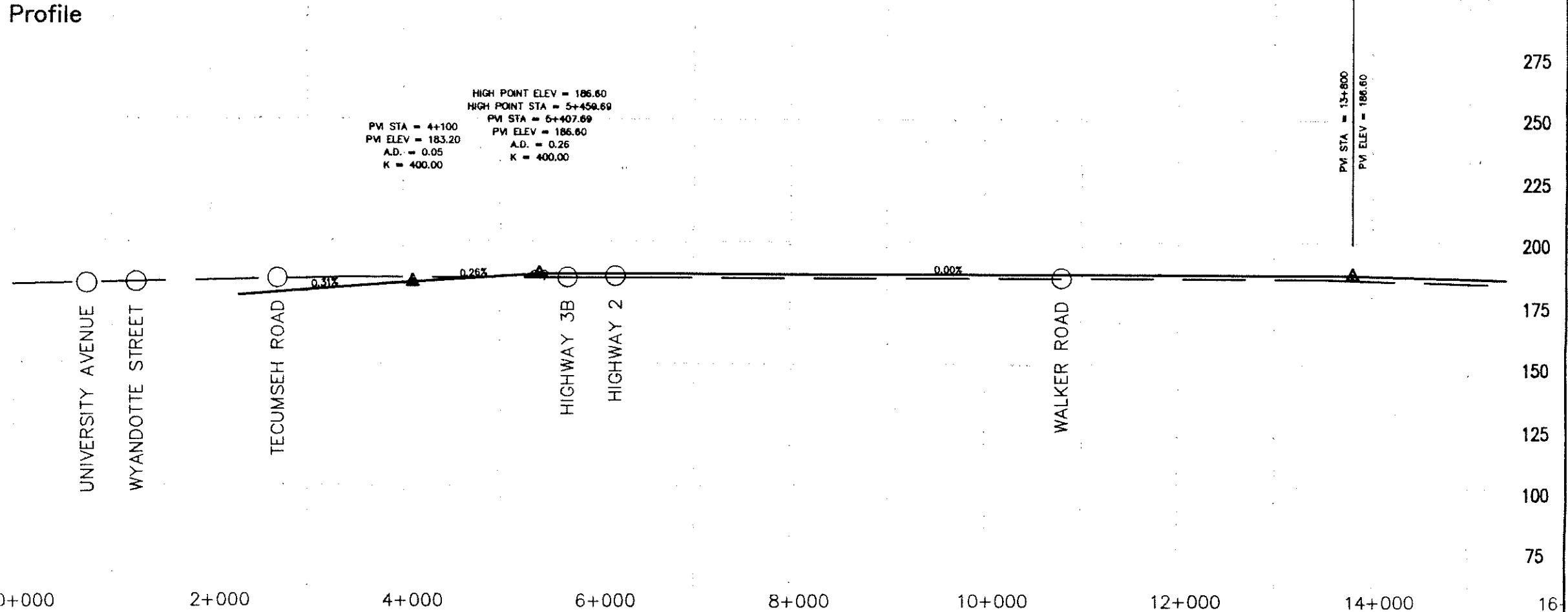
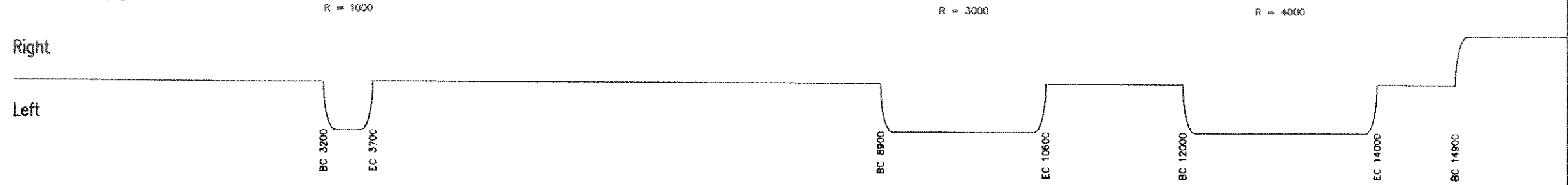
SHEET 19 OF 19

**OVER 300 KPH NON-TILTING TECHNOLOGY IN NEW CORRIDORS**

**WINDSOR - OSHAWA**



# Schematic



<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>300km/h PLUS ON NEW ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-A0	SHEET: 1 OF 28

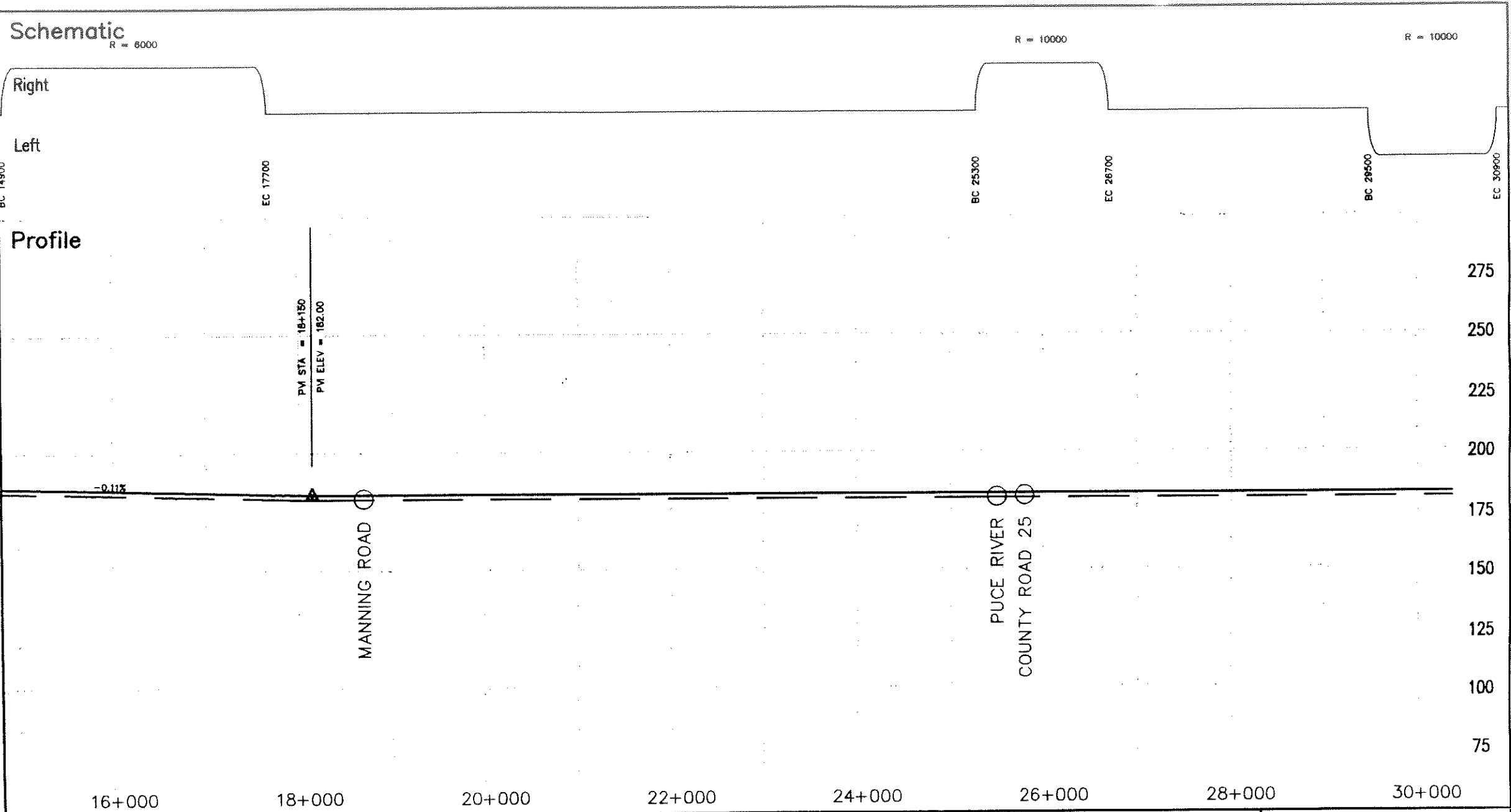
**Schematic**

R = 6000

Right

Left

**Profile**



16+000

18+000

20+000

22+000

24+000

26+000

28+000

30+000

275  
250  
225  
200  
175  
150  
125  
100  
75

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-A0	SHEET: 2 OF 28

**Schematic**

R = 10000

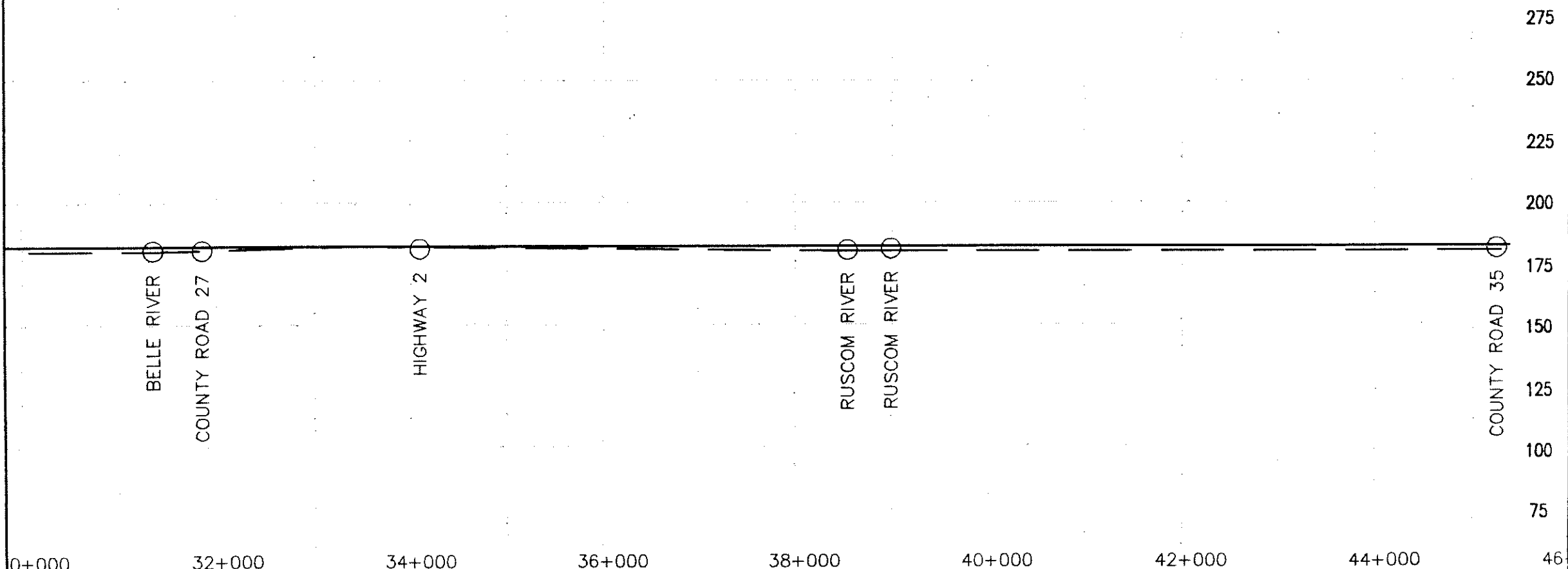
Right

Left

EC 30900

BC 44700

**Profile**



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-A0	SHEET: 3 OF 28

**Schematic**

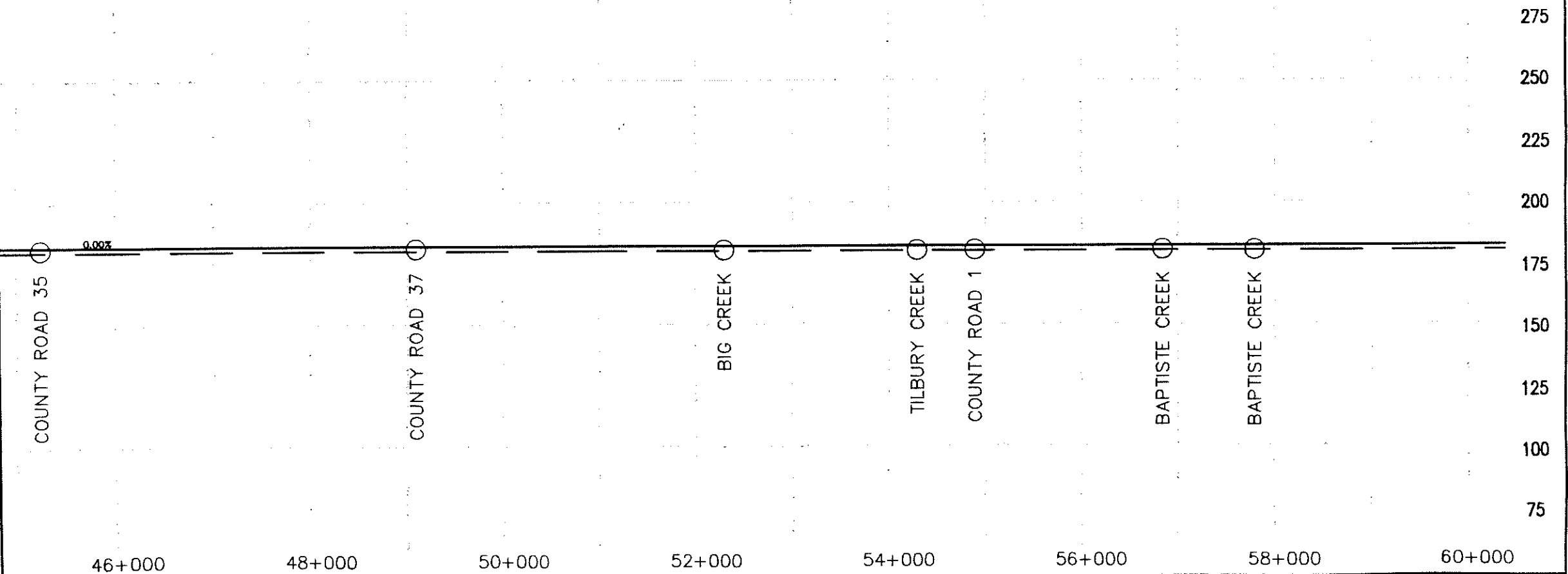
R = 8000

R = 10000

Right

Left

**Profile**



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000	DATE: MAY/93
VER: 1:2000	REVISION:
SEGMENT CODE: WTO-A0	SHEET: 4 OF 28

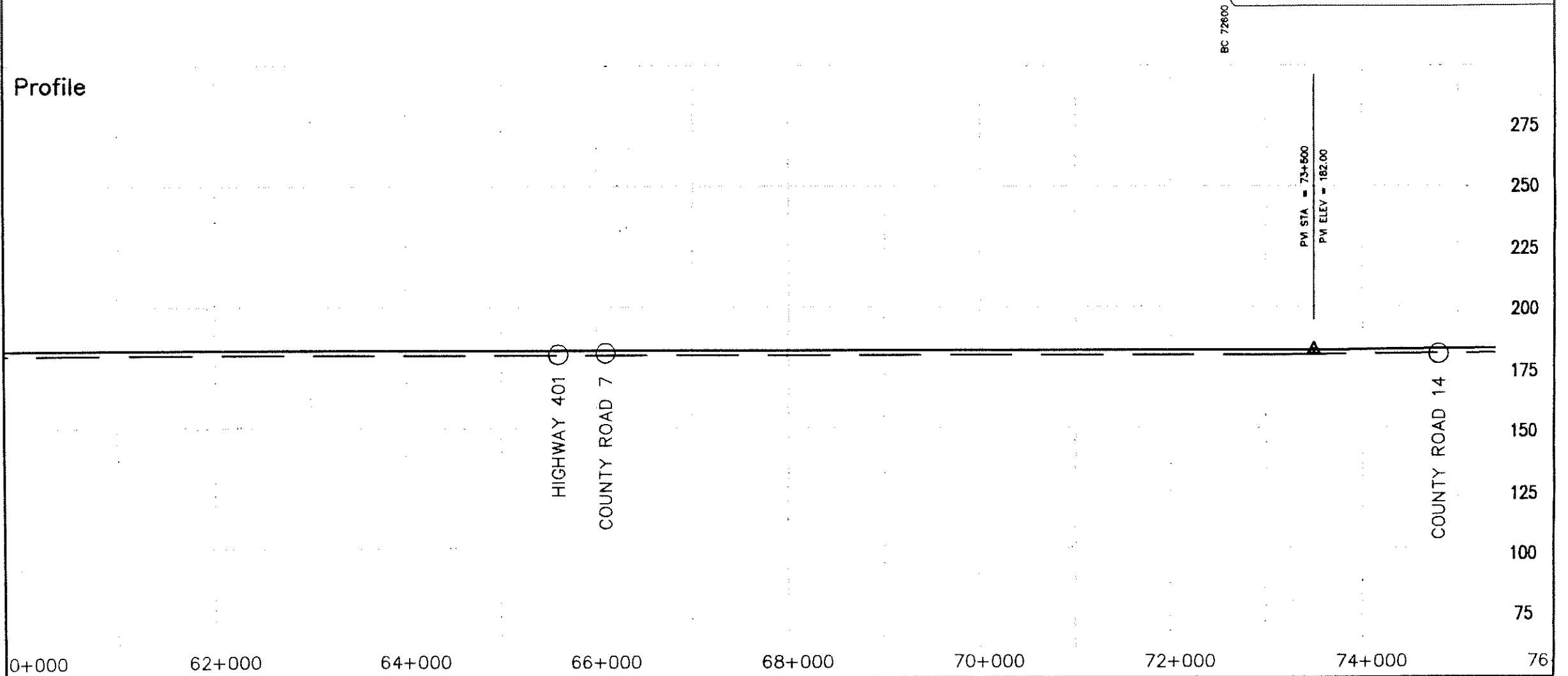
Schematic

R = 10000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-A0	SHEET: 5 OF 28

Schematic

10000

Right

Left

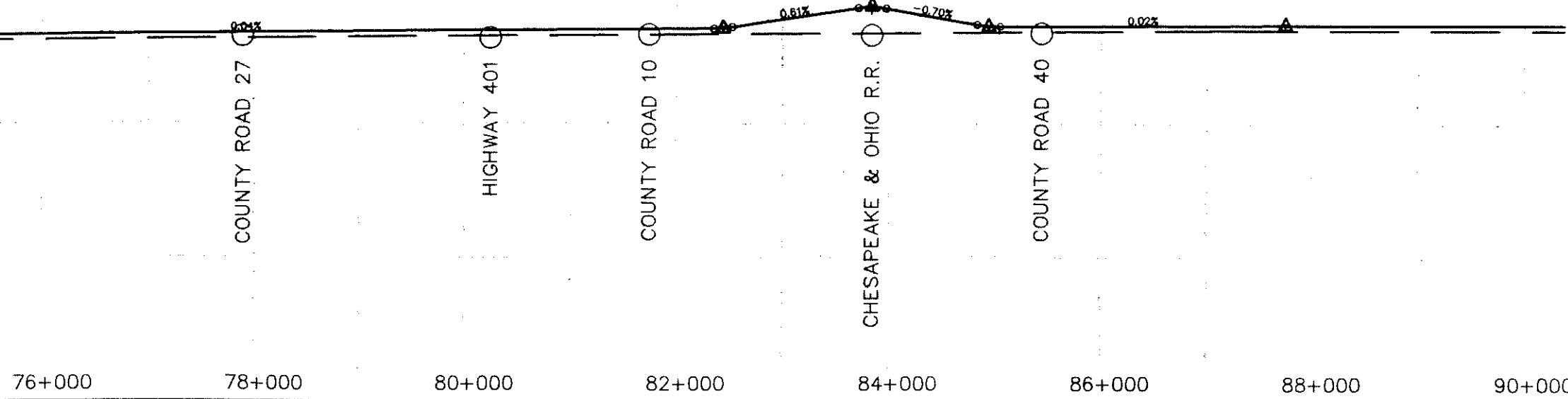
Profile

EC 77200

275  
250  
225  
200  
175  
150  
125  
100  
75

HIGH POINT ELEV = 193.57  
HIGH POINT STA = 83+841.43  
PVI STA = 83+850 PVI ELEV = 194.00 A.D. = 1.31 K = 200.00  
LOW POINT ELEV = 186.33  
LOW POINT STA = 85+051.25 PVI STA = 84+950 PVI ELEV = 186.30 A.D. = -0.72 K = 300.00  
PVI STA = 82+450 PVI ELEV = 185.40 A.D. = -0.58 K = 300.00

PVI STA = 87+750  
PVI ELEV = 187.00



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
WINDSOR - TORONTO

SCALE: HOR: 1:50000  
VER: 1:2000  
SEGMENT CODE: WTO-A0

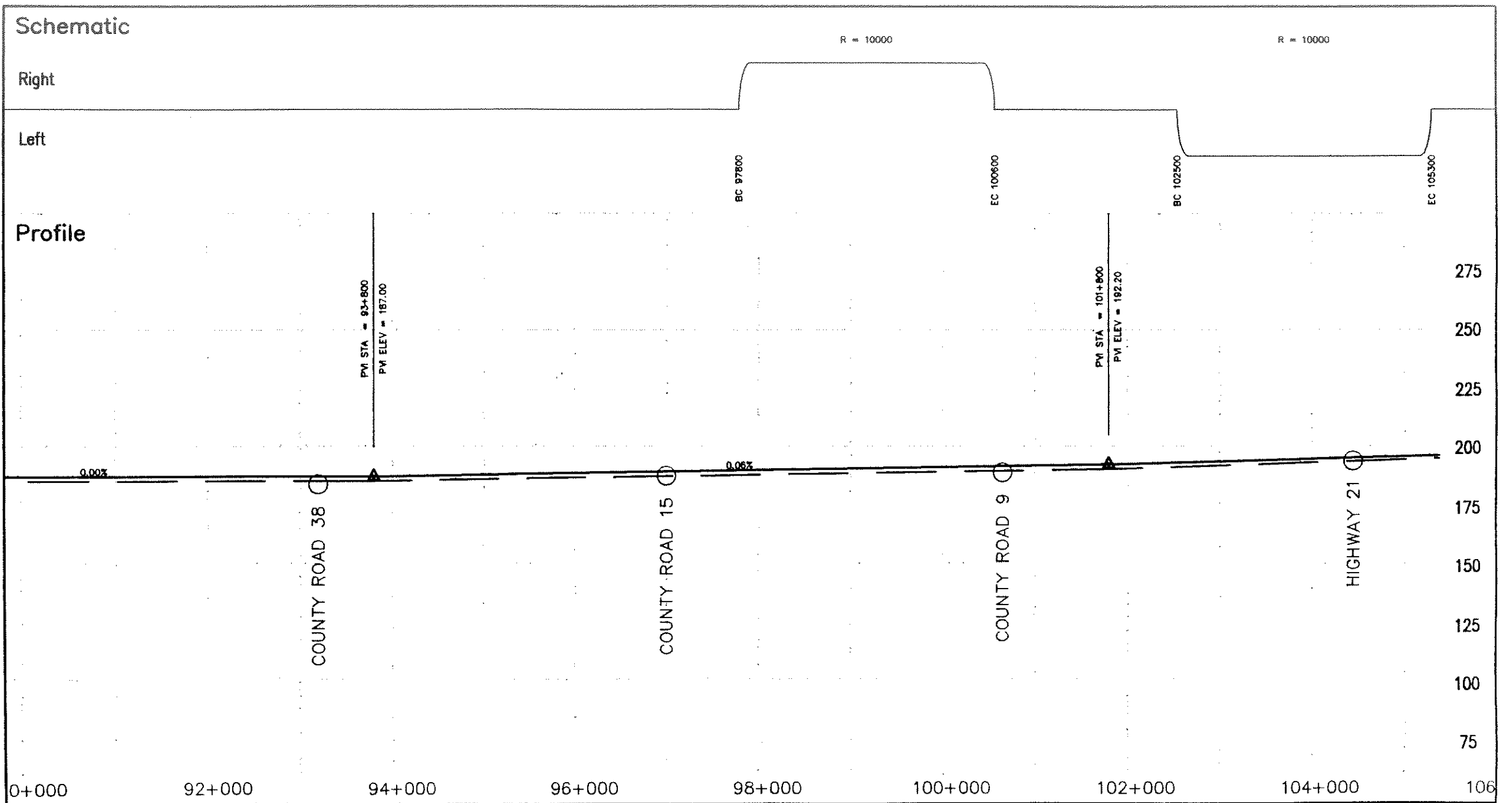
DATE: MAY/93  
REVISION:  
SHEET: 6 OF 28

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-A0	SHEET: 7 OF 28

Schematic

R = 10000

R = 10000

Right

Left

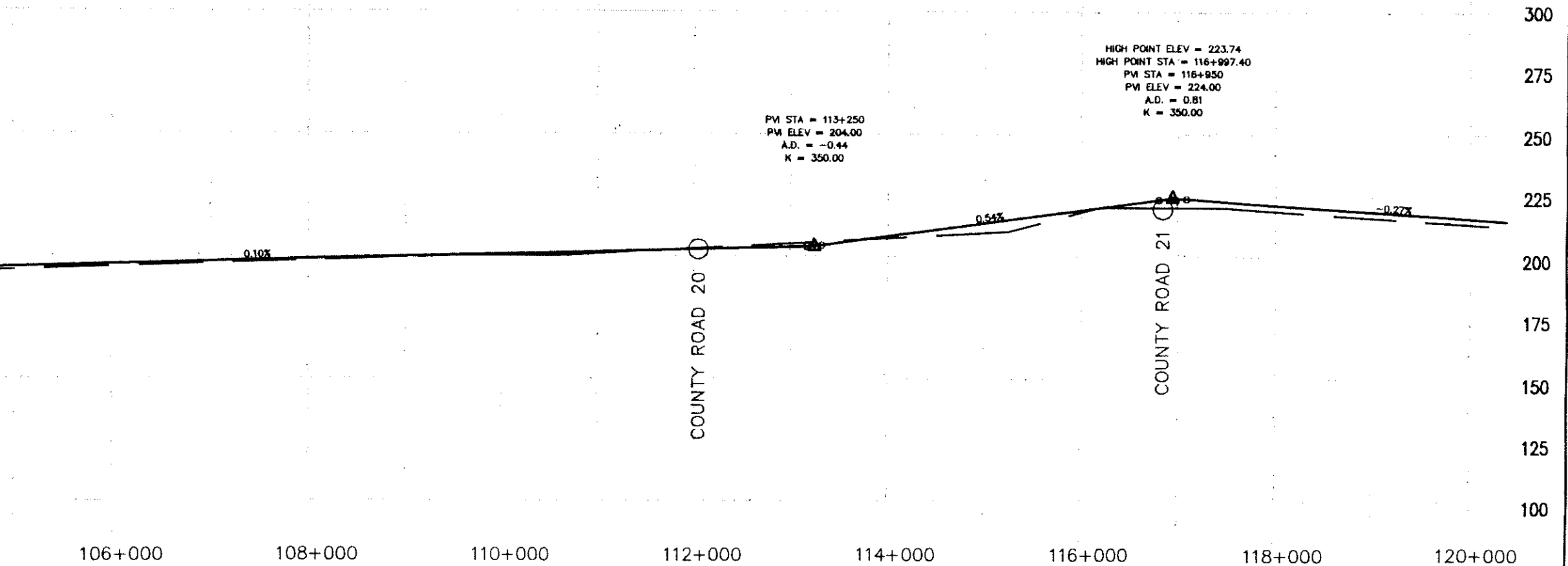
EC 105300

BC 108800

EC 115200

BC 117300

Profile



<p>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE</p>	<p>300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO</p>	<p>SCALE: HOR: 1:50000 VER: 1:2000 SEGMENT CODE: WTO-A0</p>	<p>DATE: MAY/93 REVISION: SHEET: 8 OF 28</p>
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**Schematic**  
R = 10000

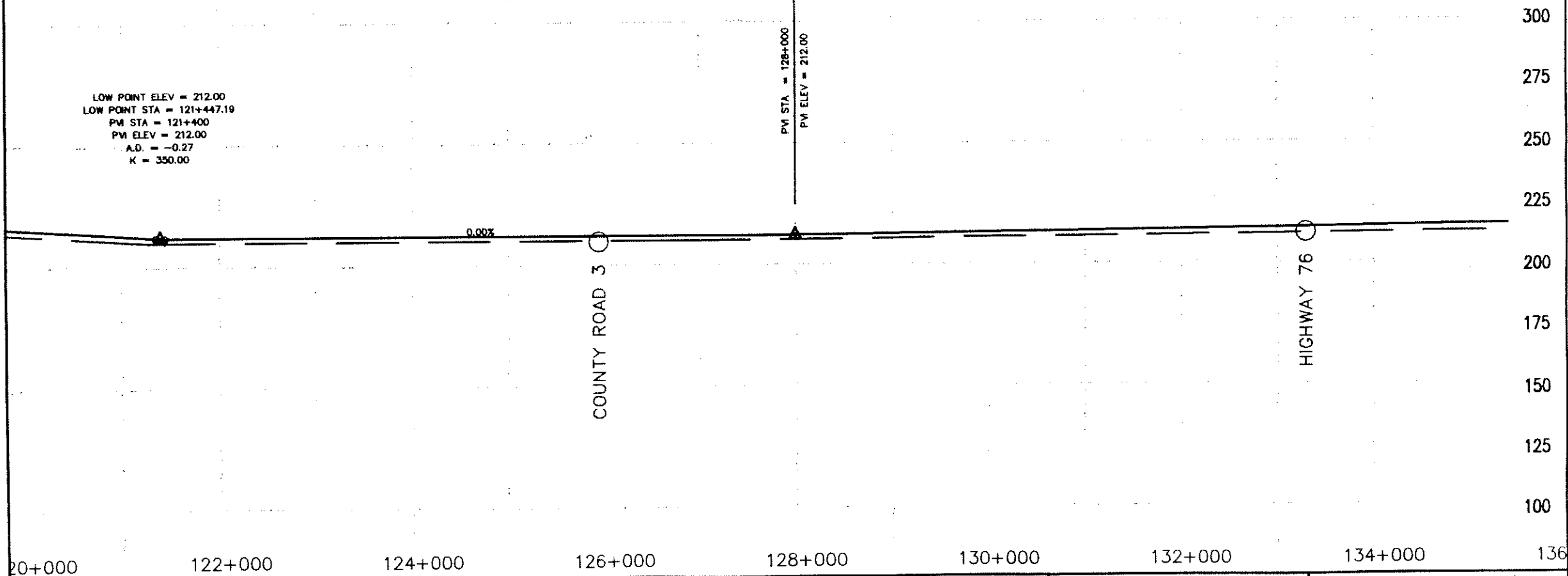
R = 10000

Right

Left

**Profile**

LOW POINT ELEV = 212.00  
 LOW POINT STA = 121+447.19  
 PVI STA = 121+400  
 PVI ELEV = 212.00  
 A.D. = -0.27  
 K = 350.00



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-A0	SHEET: 9 OF 28

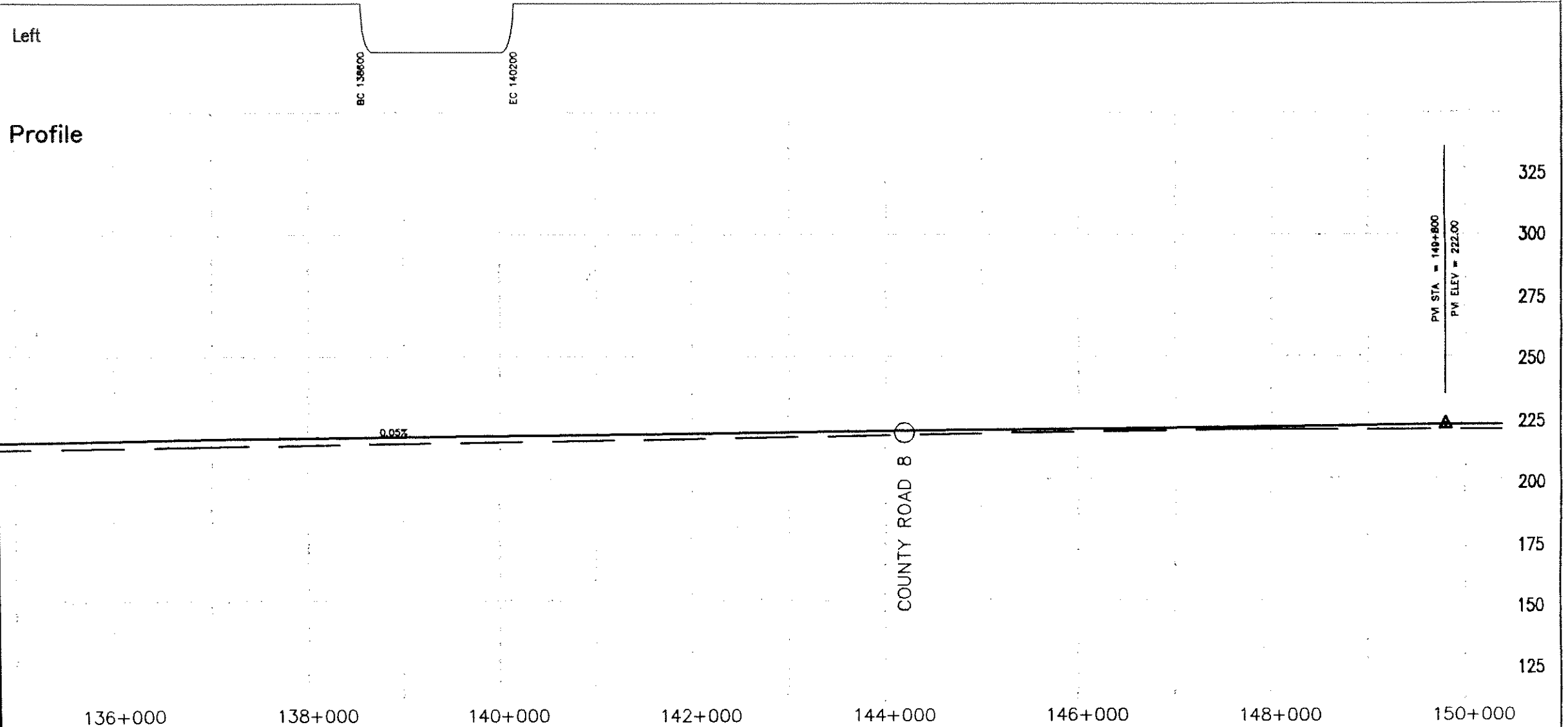
Schematic

R = 10000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
WINDSOR - TORONTO

SCALE: HOR: 1:50000  
VER: 1:2000  
SEGMENT CODE: WTO-A0

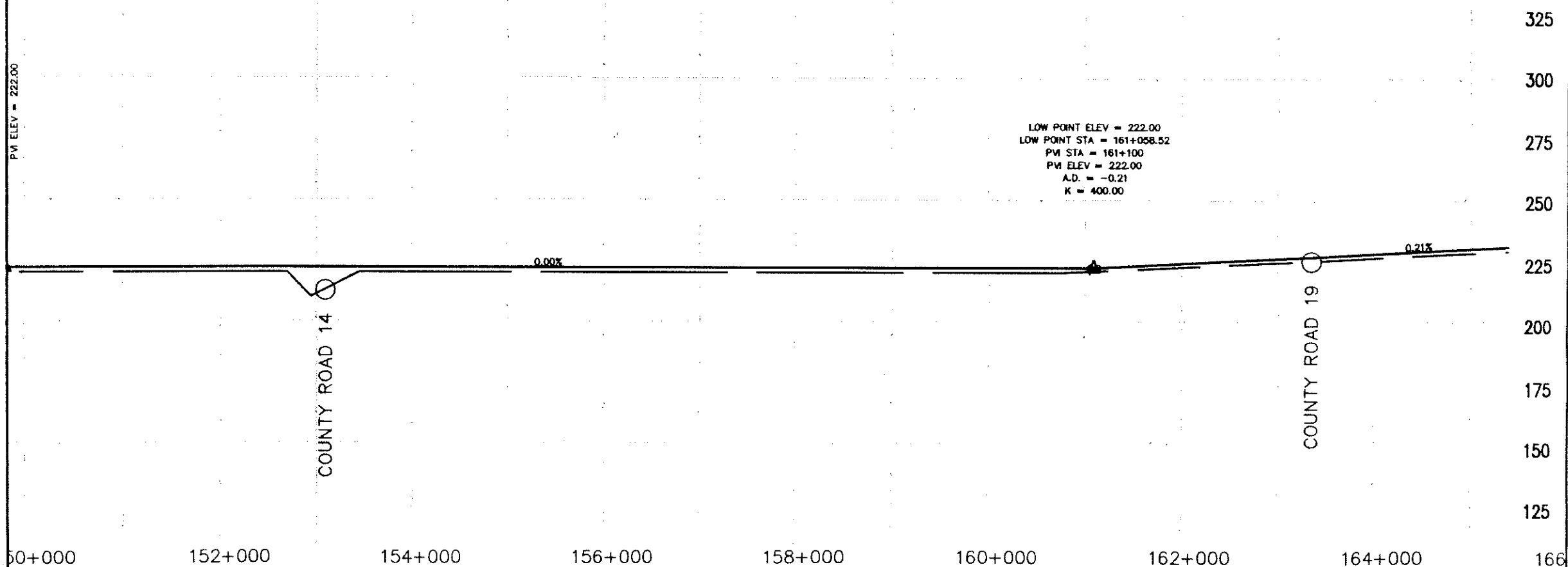
DATE: MAY/93  
REVISION:  
SHEET: 10 OF 28

Schematic

Right

Left

Profile



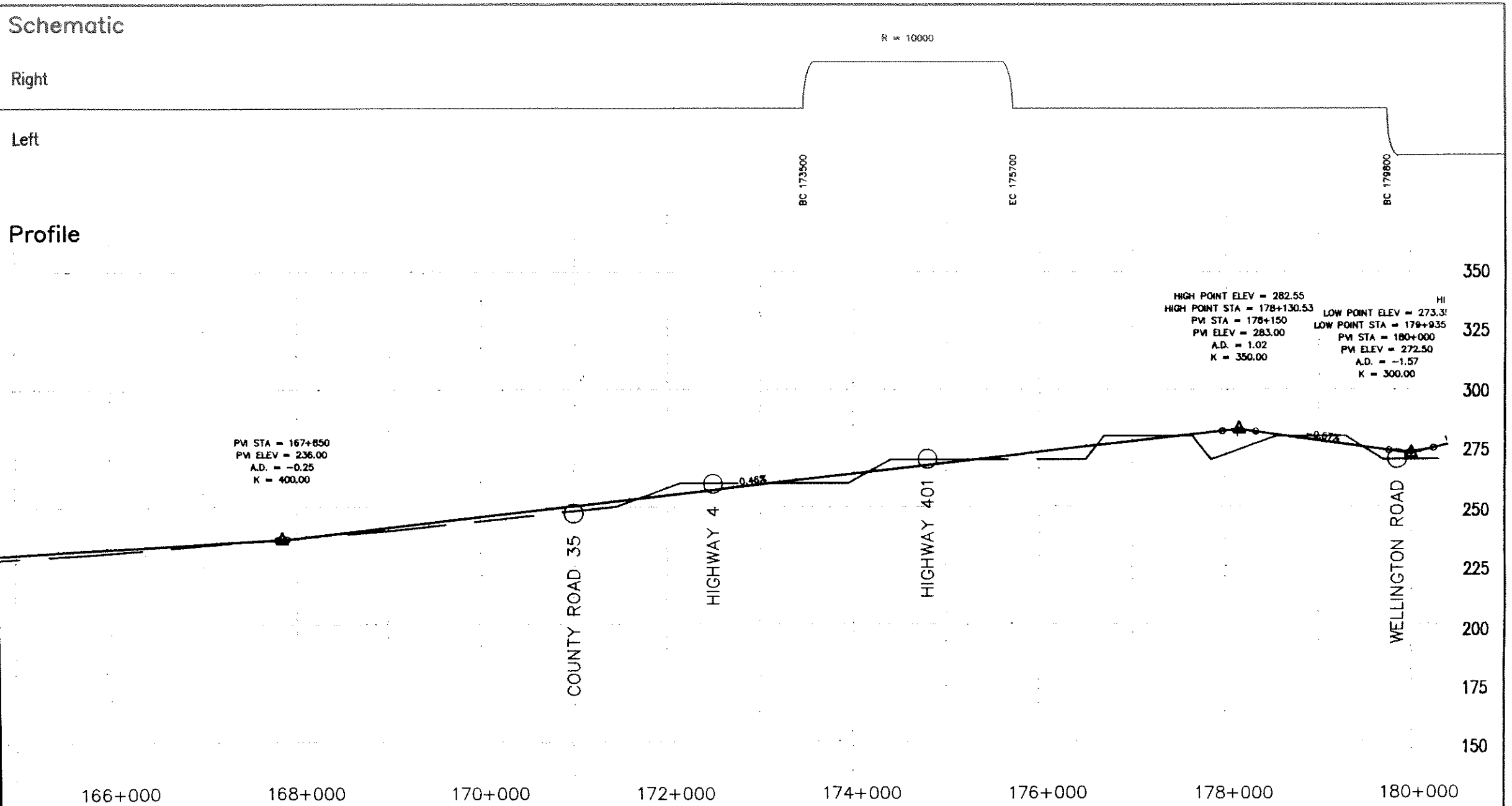
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-A0	SHEET: 11 OF 28

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000 VER: 1:2000 SEGMENT CODE: WTO-A0	DATE: MAY/93 REVISION: SHEET: 12 OF 28
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Schematic

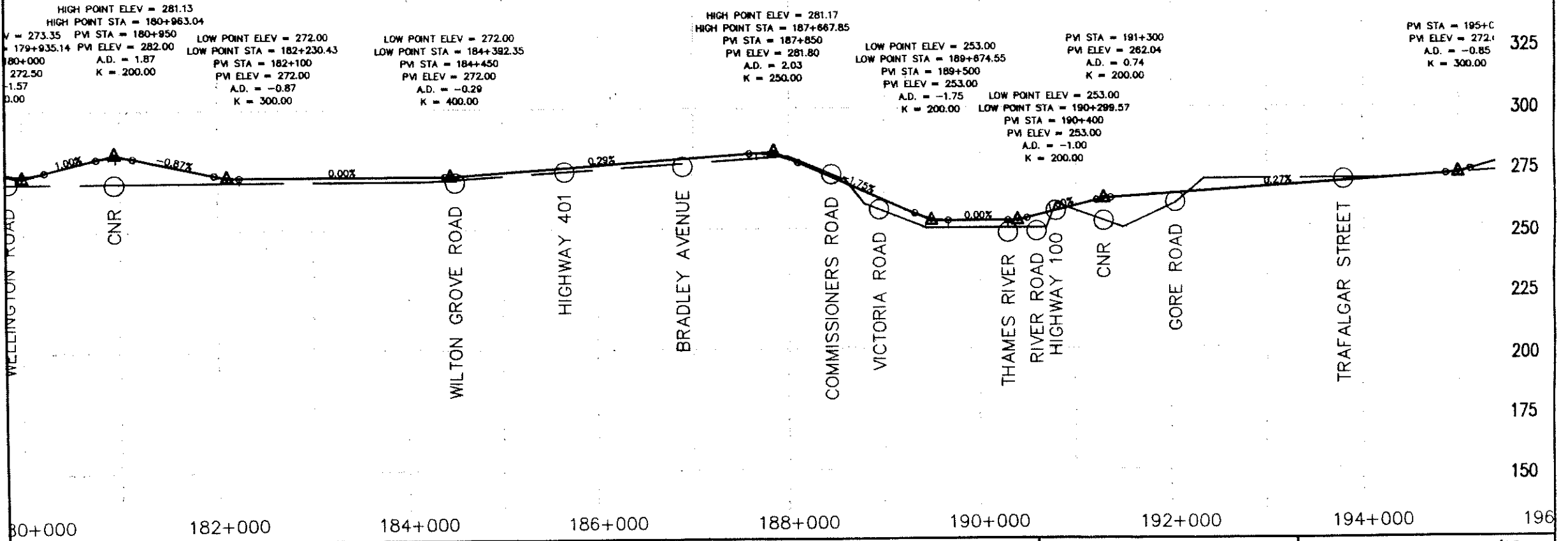
R = 6000

R = 8000

Right

Left

Profile



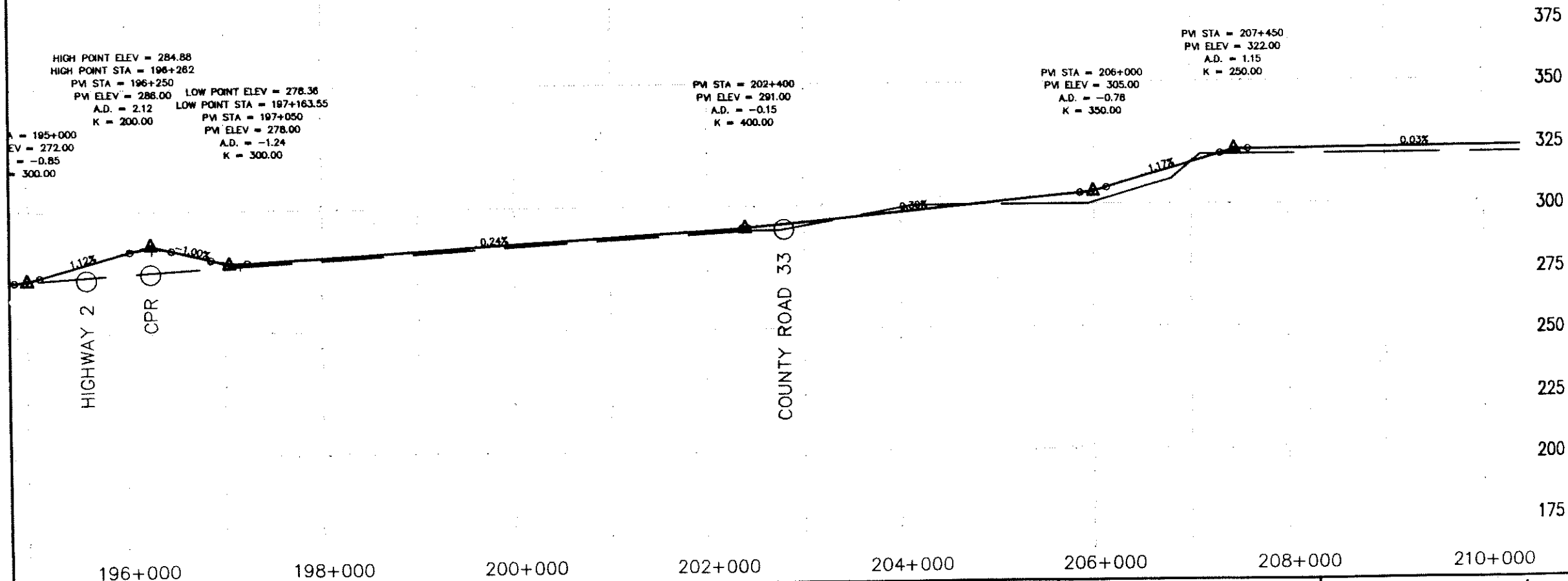
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-B0	SHEET: 13 OF 28

Schematic

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTD-B0	SHEET: 14 OF 28

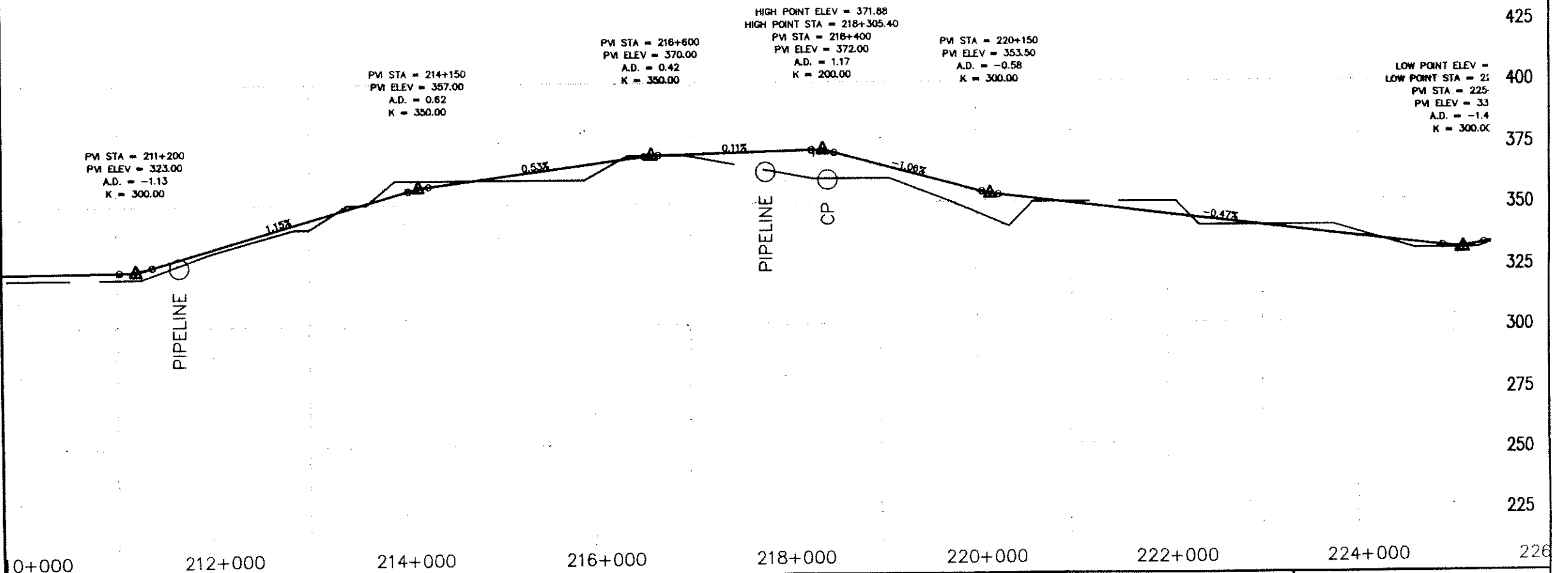
Schematic

R = 10000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO		SCALE: HOR: 1:50000 VER: 1:2000	DATE: MAY/93
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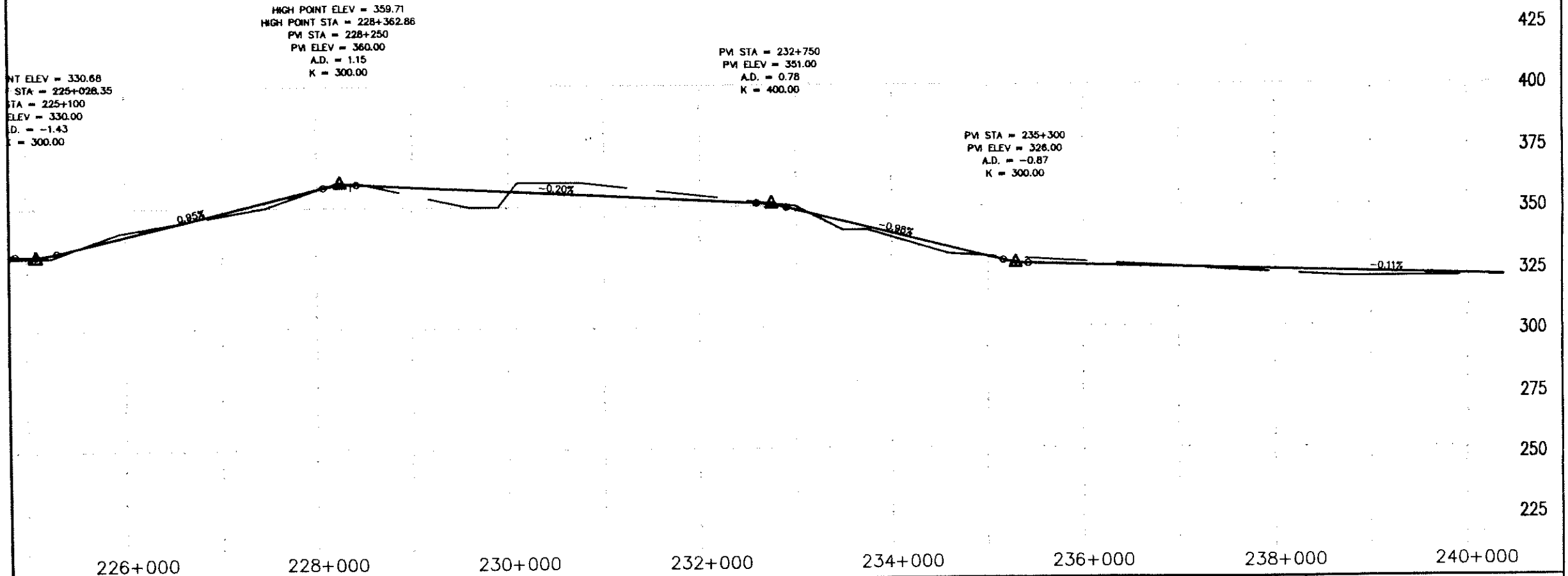
Schematic

R = 10000

Right

Left

Profile



BC 240000

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-B0	SHEET: 16 OF 28



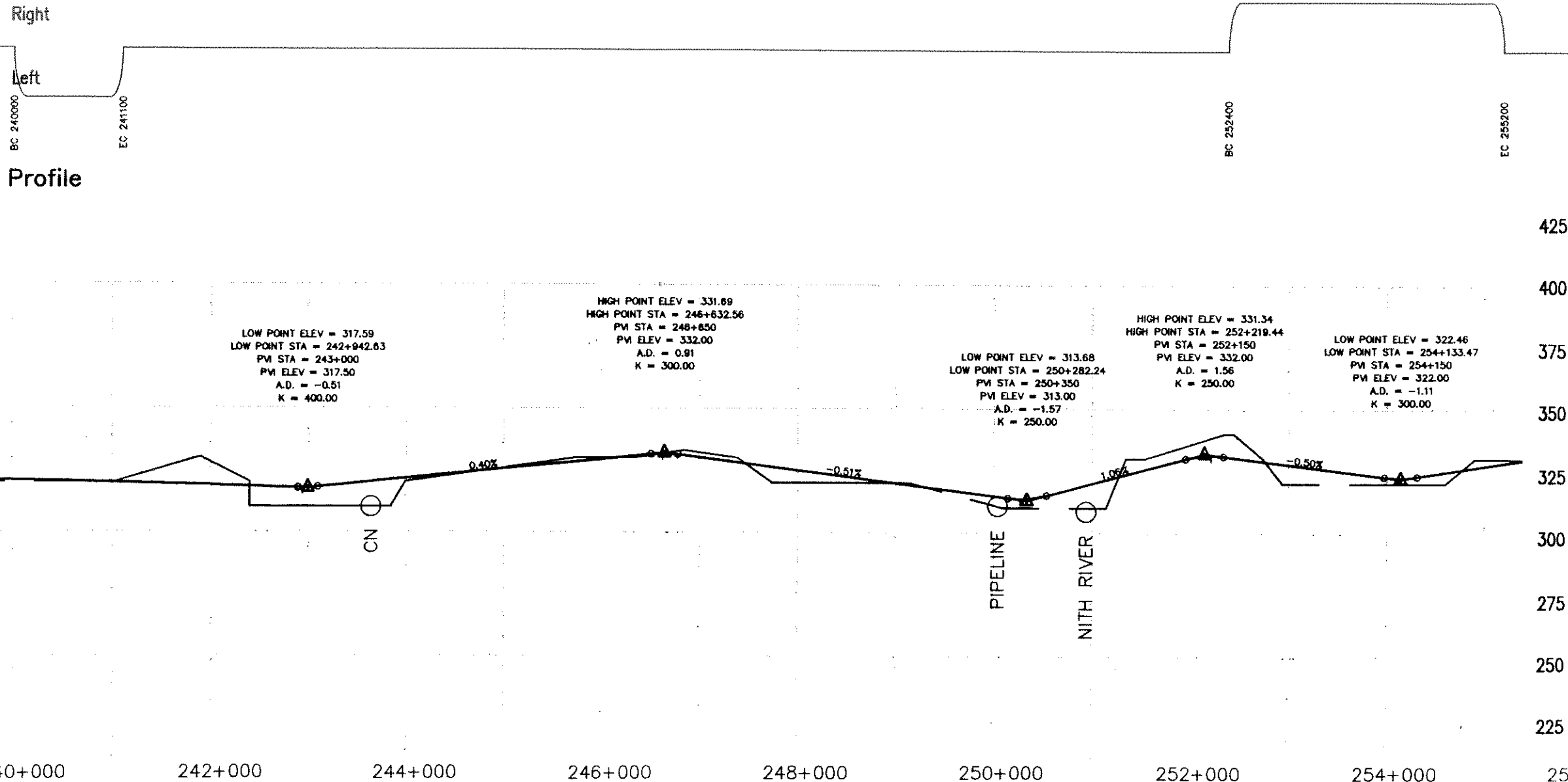
**Schematic**  
R = 10000

R = 10000

Right

Left

**Profile**



<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>300km/h PLUS ON NEW ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTD-B0	SHEET: 17 OF 28

Schematic

R = 10000

Right

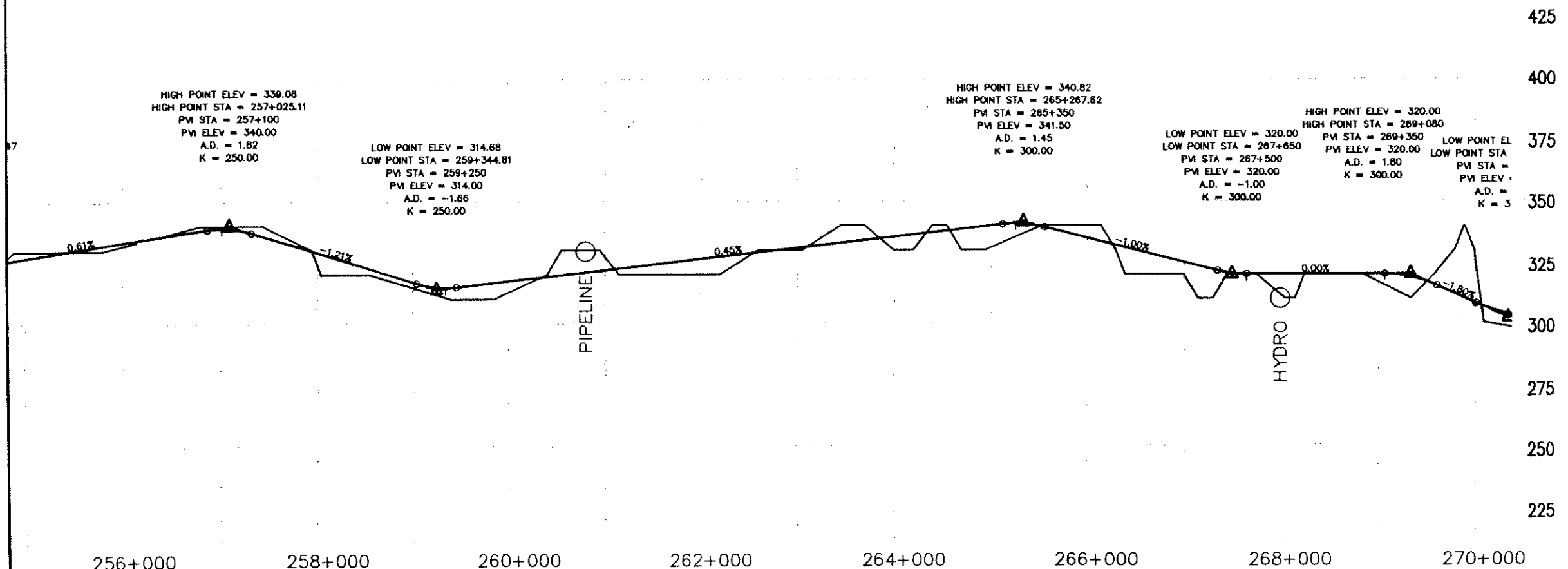
Left

EC 255200

BC 260600

EC 264800

Profile



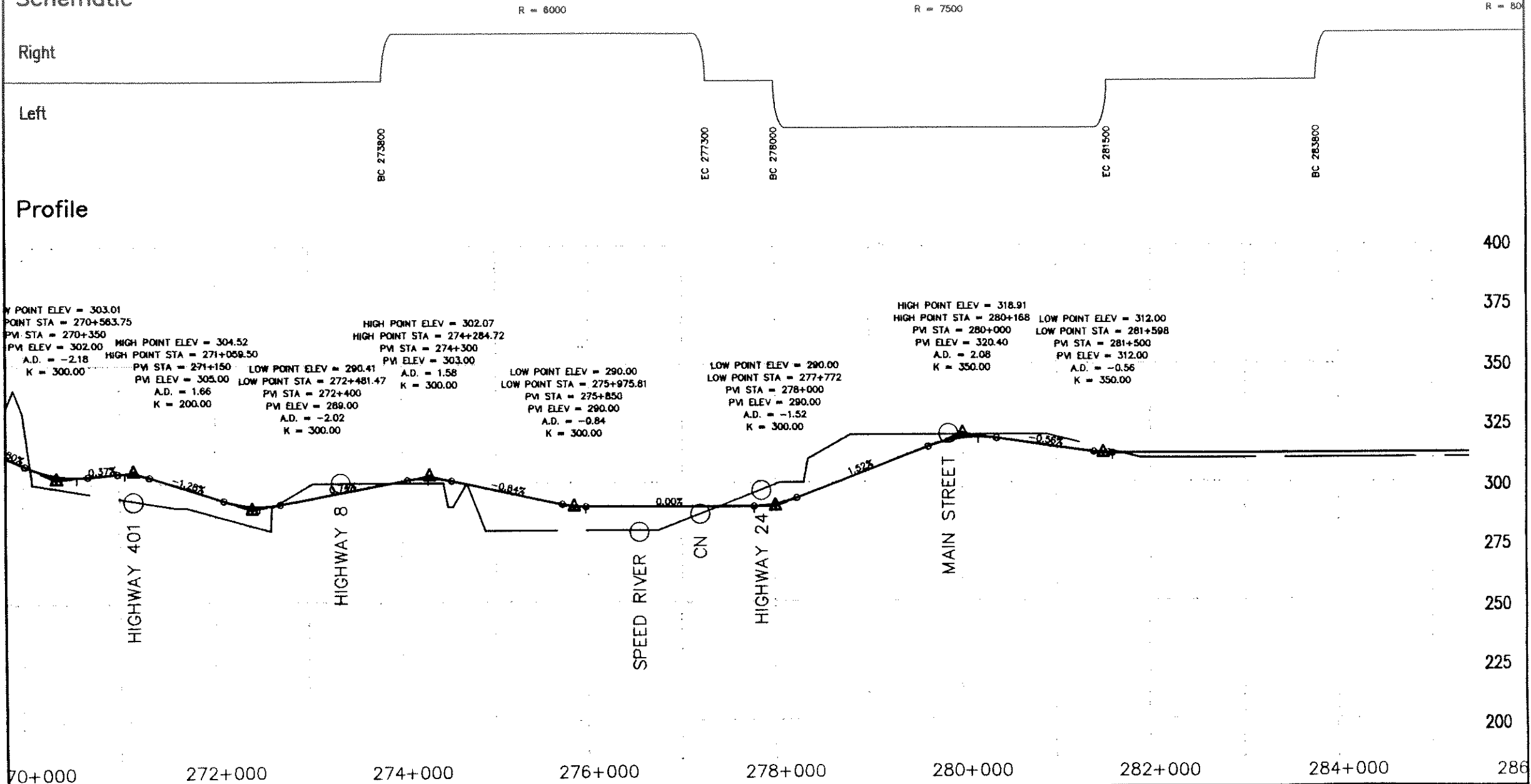
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-B0	SHEET: 18 OF 28

Schematic

Right

Left

Profile



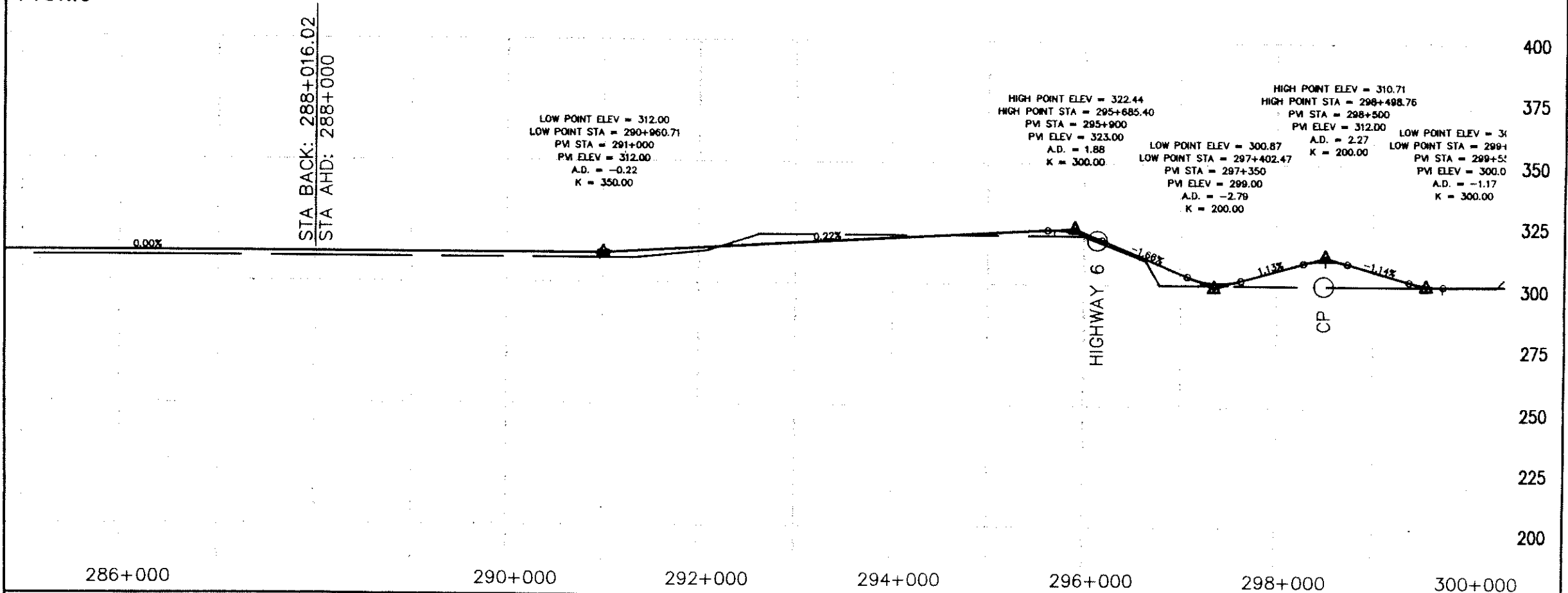
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-B0	SHEET: 19 OF 28

Schematic  
R = 8000

Right

Left

Profile



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
WINDSOR - TORONTO

SCALE: HOR: 1:50000  
VER: 1:2000

DATE: MAY/93  
REVISION:

SEGMENT CODE: WTO-B0

SHEET: 20 OF 28

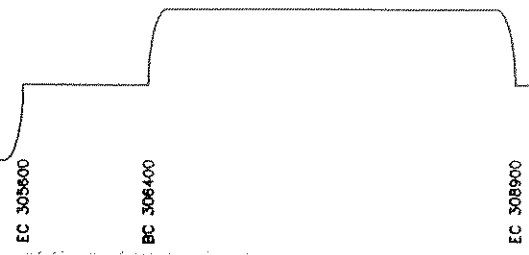
# Schematic

R = 7000

R = 8000

Right

Left



# Profile

ELEV = 300.05  
 TA = 299+716.88  
 = 299+550  
 V = 300.00  
 = -1.17  
 300.00

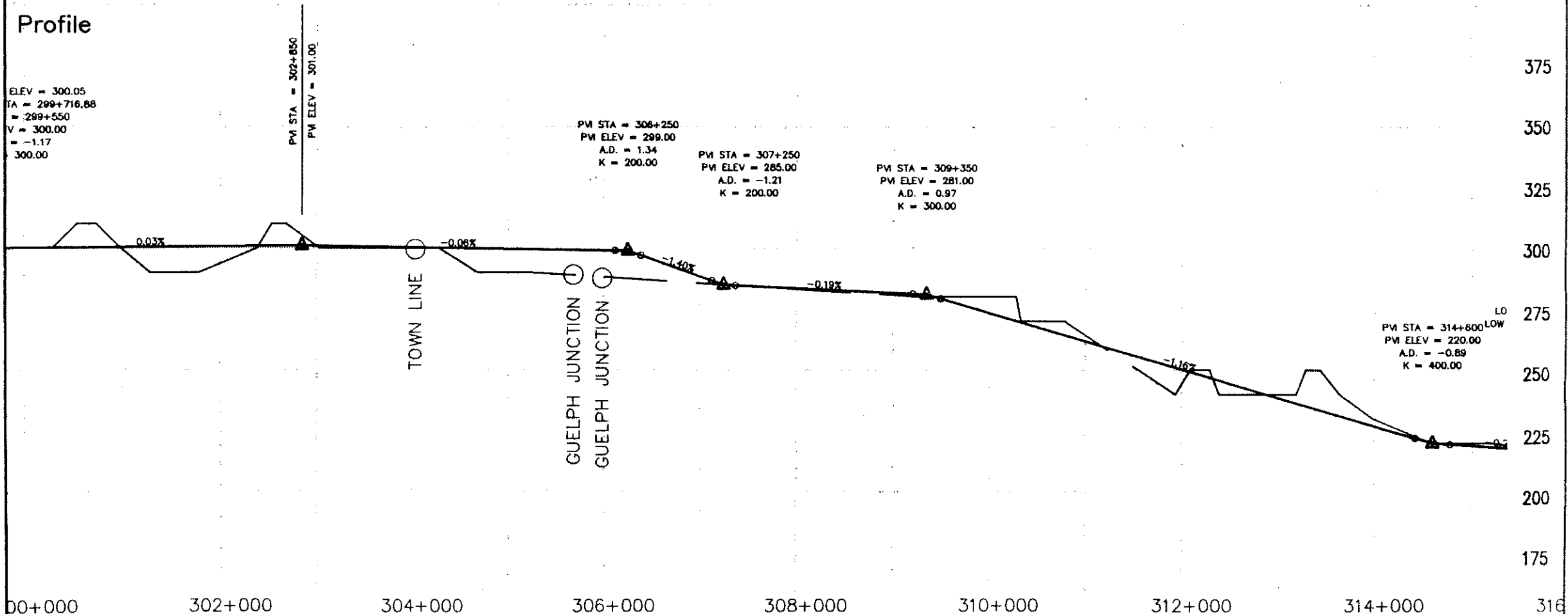
PVI STA = 302+850  
 PVI ELEV = 301.00

PVI STA = 306+250  
 PVI ELEV = 299.00  
 A.D. = 1.34  
 K = 200.00

PVI STA = 307+250  
 PVI ELEV = 285.00  
 A.D. = -1.21  
 K = 200.00

PVI STA = 309+350  
 PVI ELEV = 281.00  
 A.D. = 0.97  
 K = 300.00

PVI STA = 314+600<sup>LOW</sup>  
 PVI ELEV = 220.00  
 A.D. = -0.89  
 K = 400.00



300+000      302+000      304+000      306+000      308+000      310+000      312+000      314+000      316+000

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

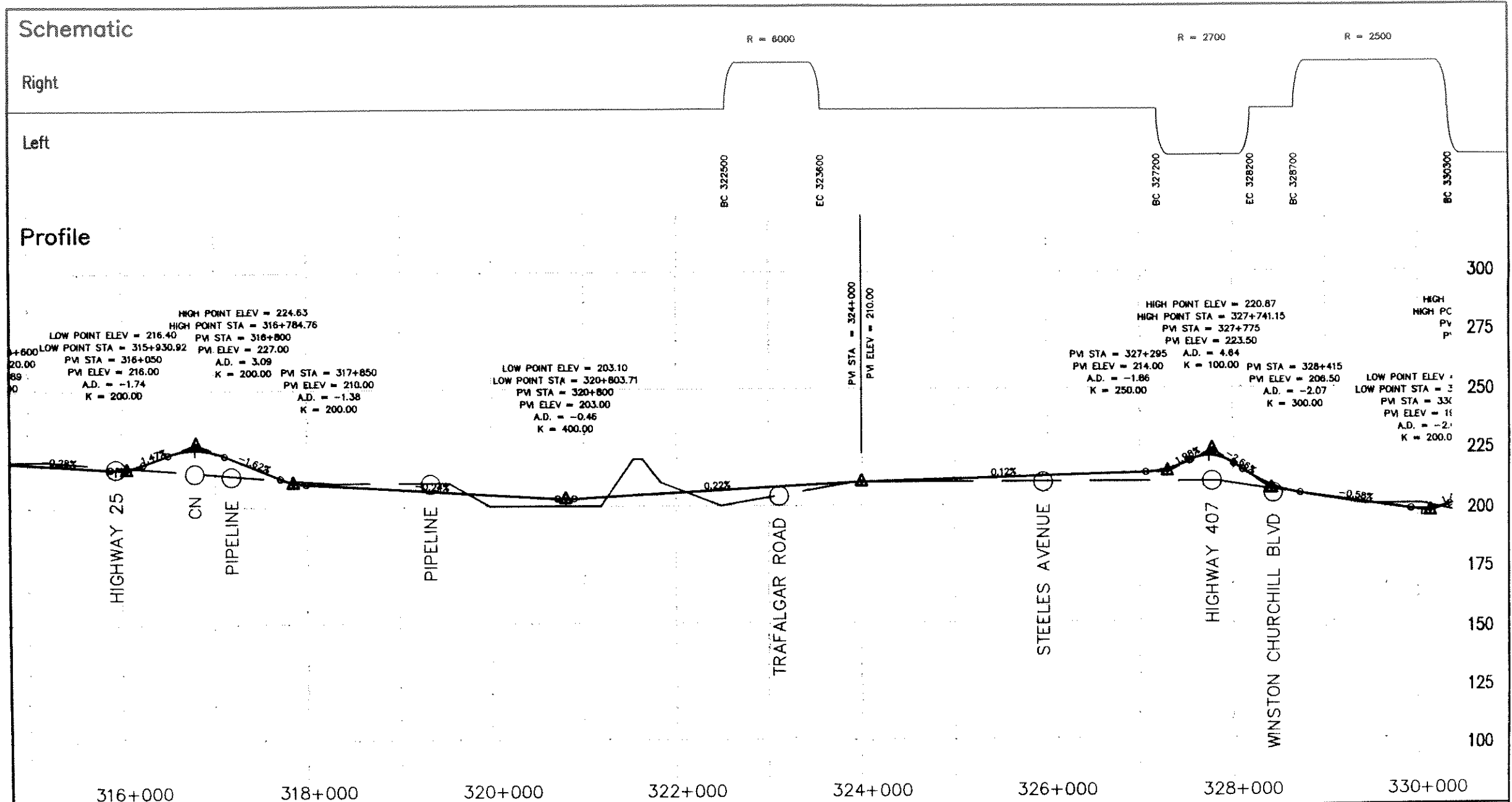
SCALE: HOR: 1:50000	DATE: MAY/93
VER: 1:2000	REVISION:
SEGMENT CODE: WTO-B0	SHEET: 21 OF 28

Schematic

Right

Left

Profile

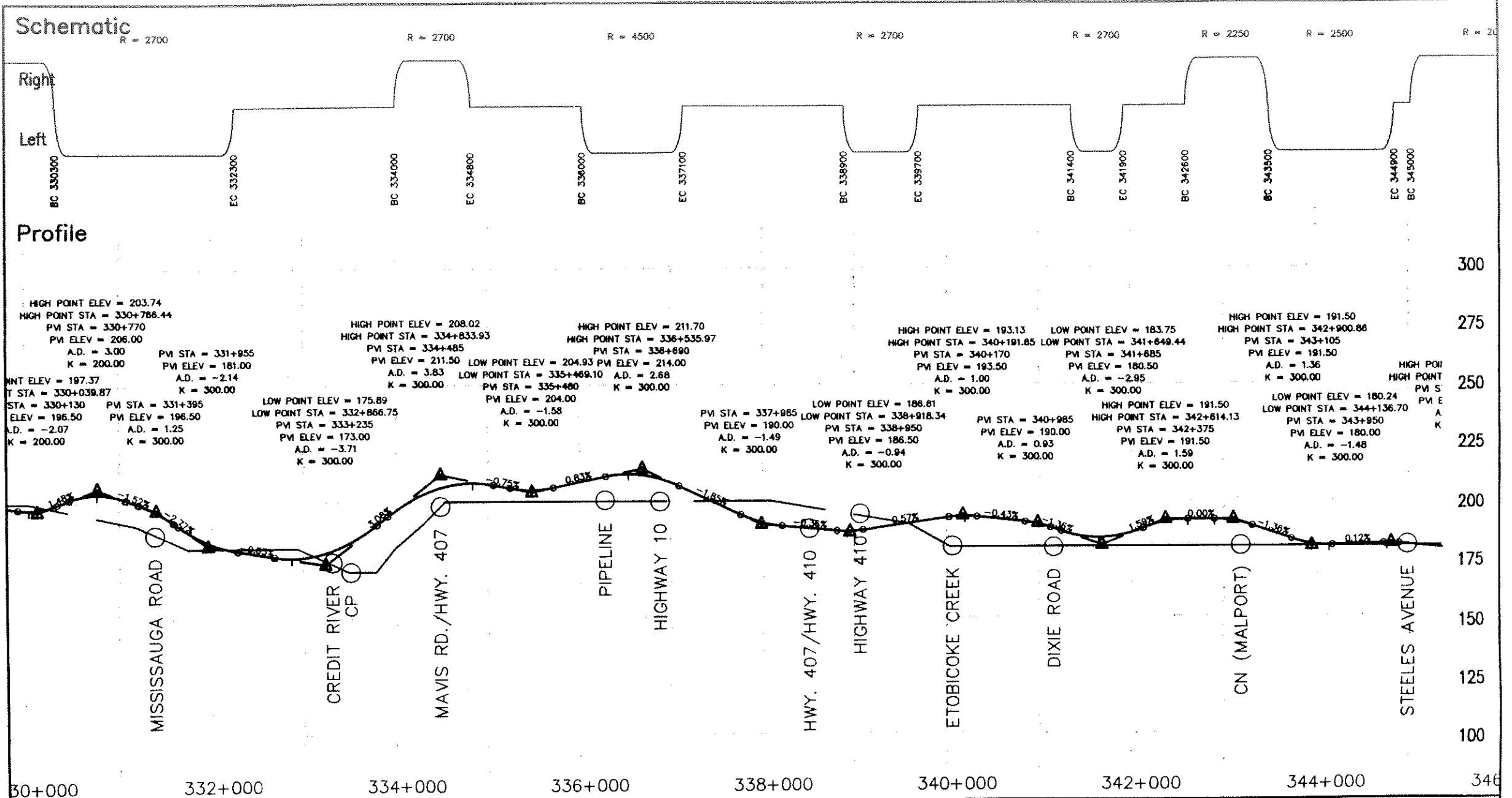


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300km/h PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 WINDSOR - TORONTO

SCALE: HOR: 1:50000  
 VER: 1:2000  
 SEGMENT CODE: WTO-B0

DATE: MAY/93  
 REVISION:  
 SHEET: 22 OF 28



<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>300km/h PLUS ON NEW ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-B0	SHEET: 23 OF 28

**Schematic**  
R = 2000

R = 2700

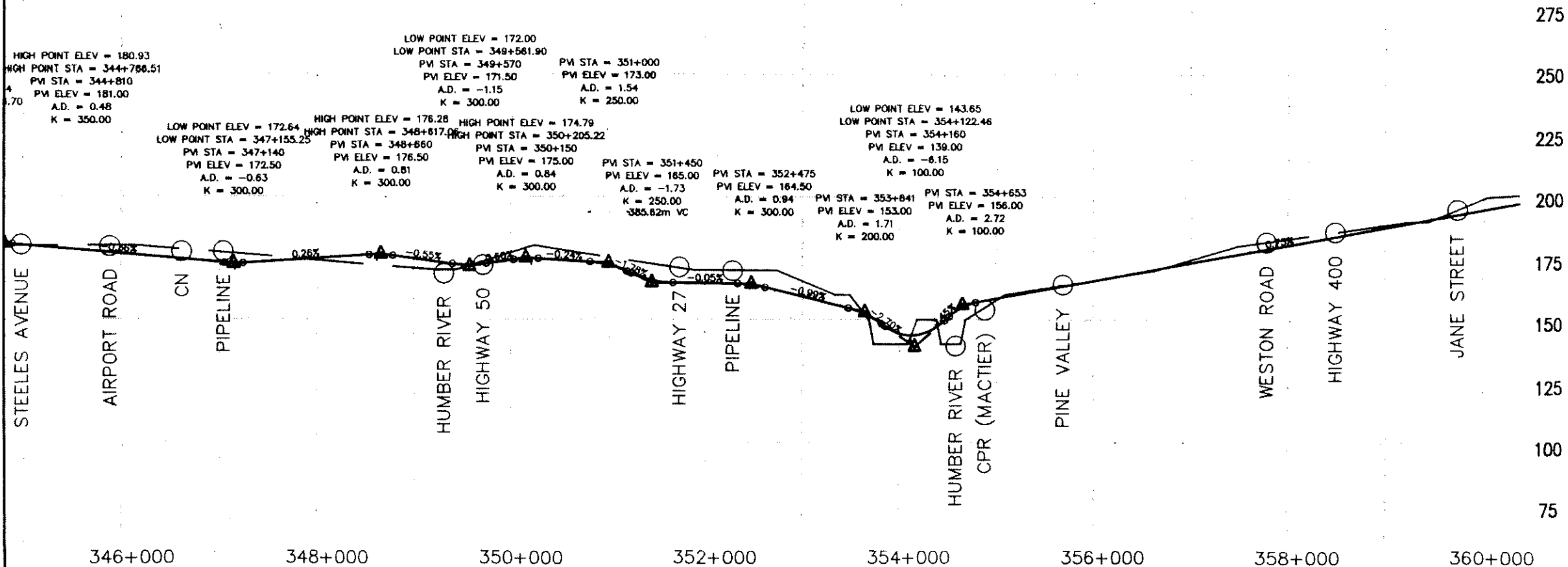
R = 6000

Right

Left

EC 344900  
BC 345000  
EC 346700  
BC 348400  
EC 350200  
BC 353900  
EC 354600

**Profile**



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE:	SHEET: 24 OF 28

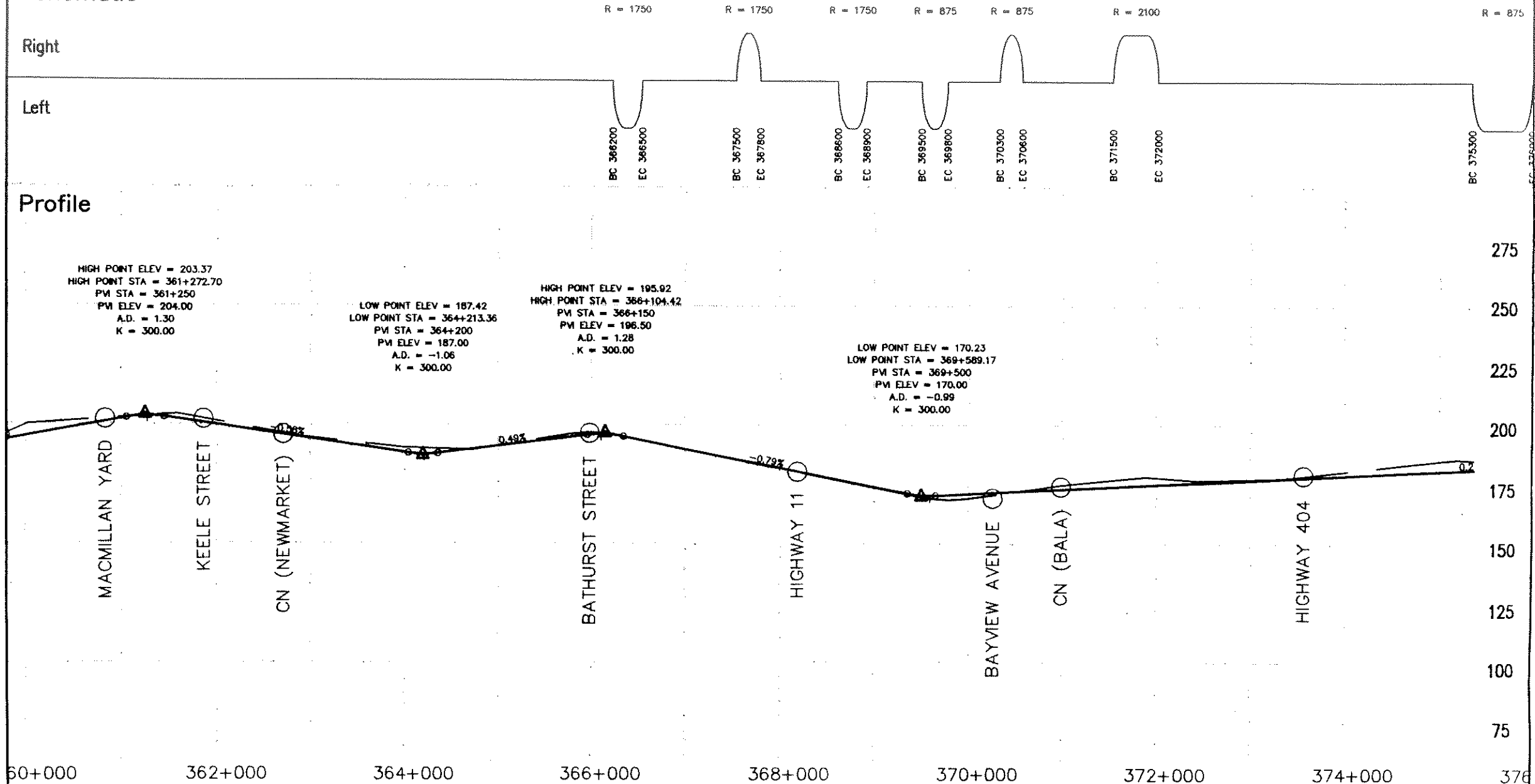


# Schematic

Right

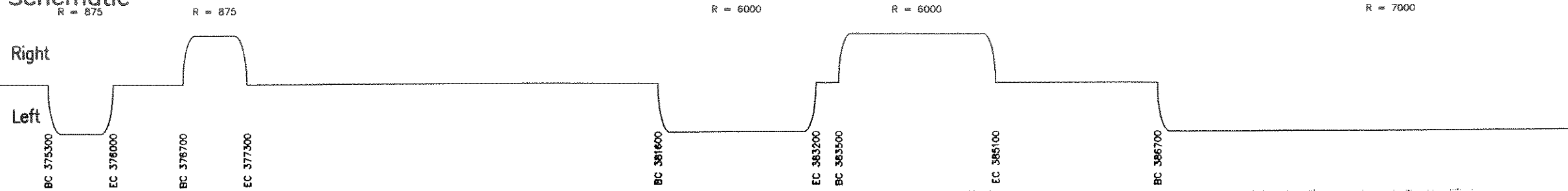
Left

# Profile

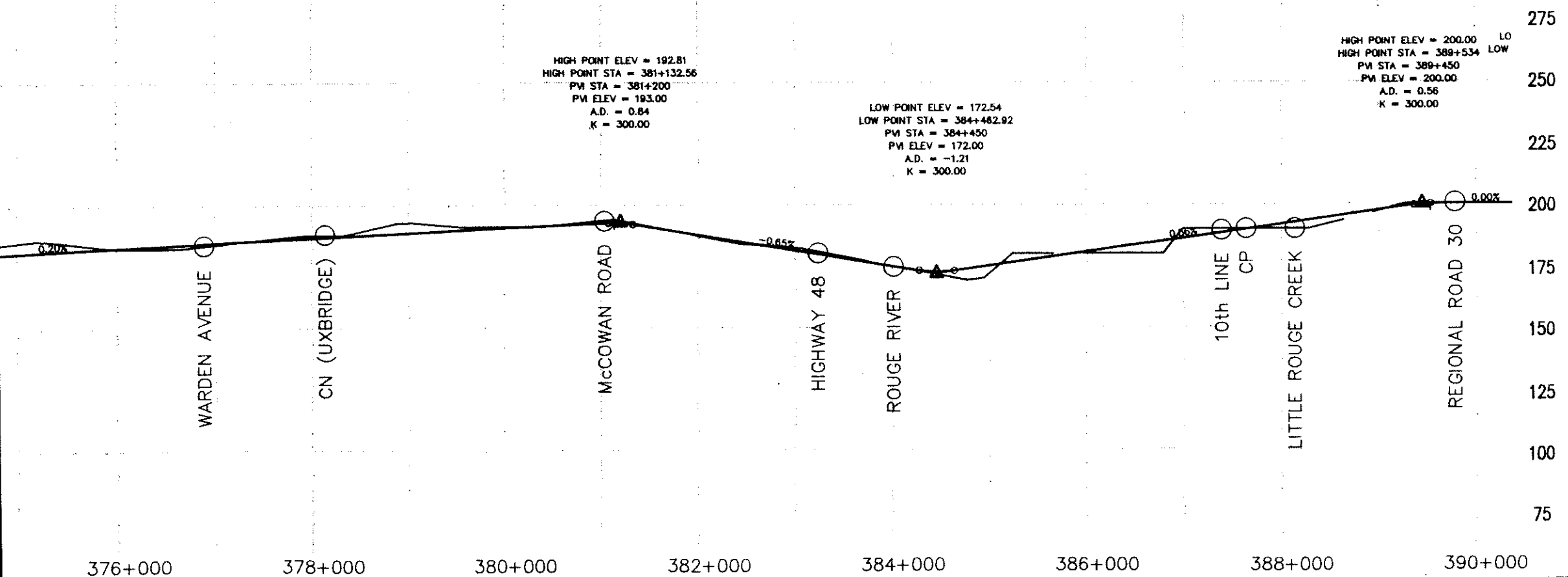


<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>300km/h PLUS ON NEW ROW</b> REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE:	SHEET: 25 OF 28

**Schematic**



**Profile**



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE:	SHEET: 26 OF 28

Schematic

Right

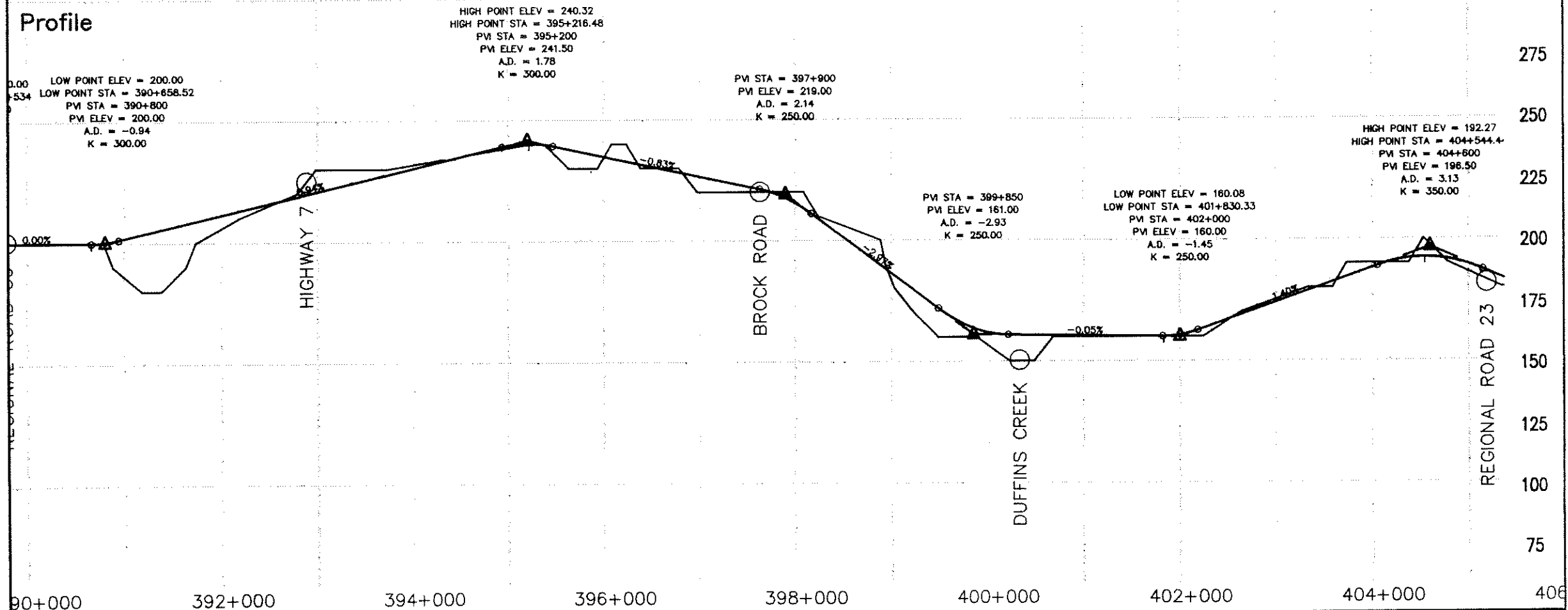
Left

R = 7000

R = 7000

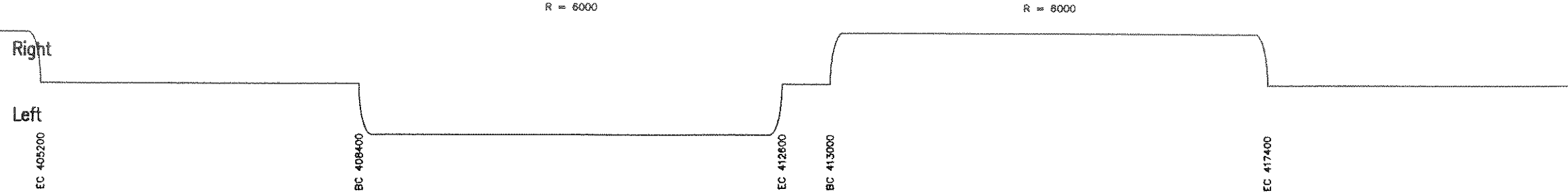


Profile

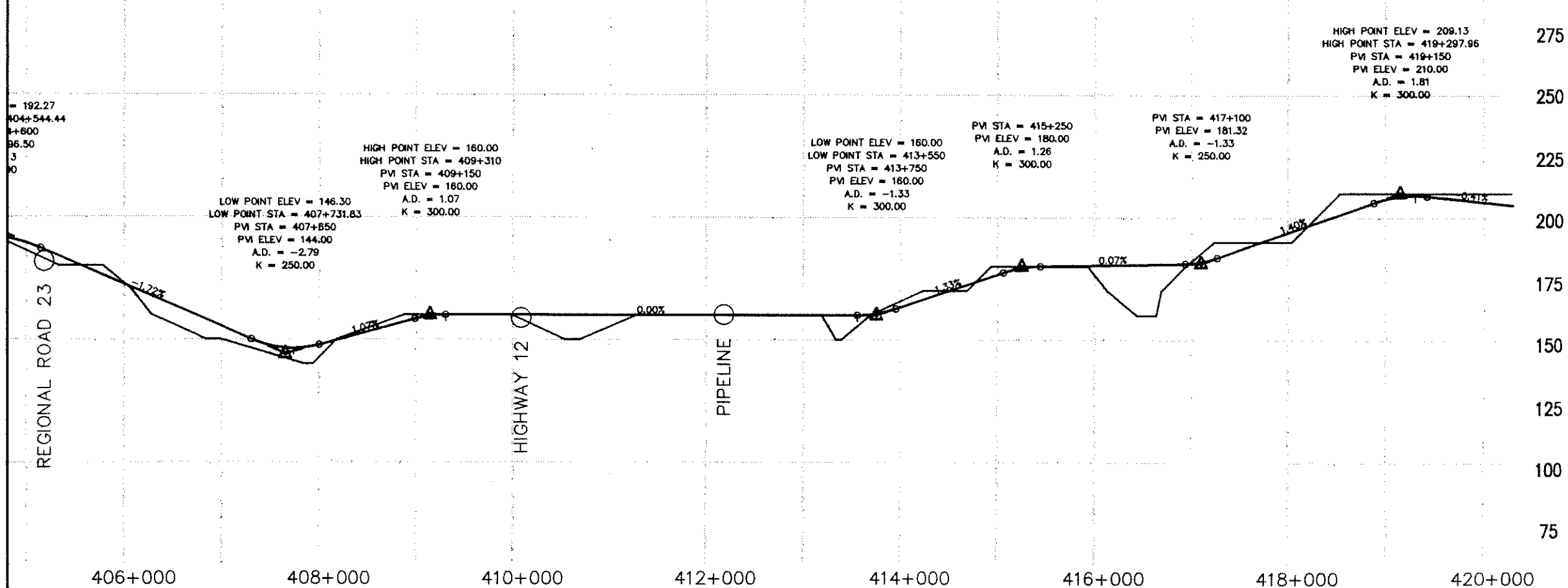


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TMO-A2	SHEET: 27 OF 28

Schematic

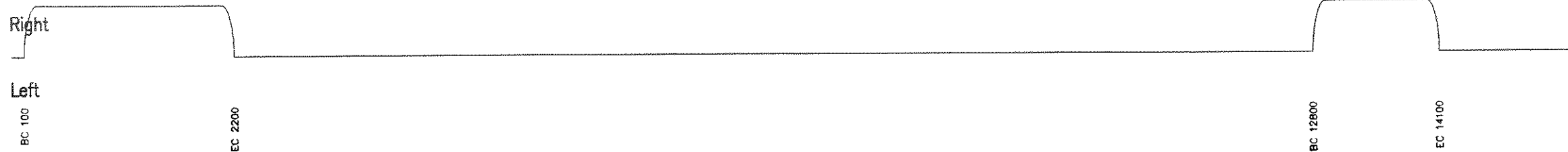


Profile

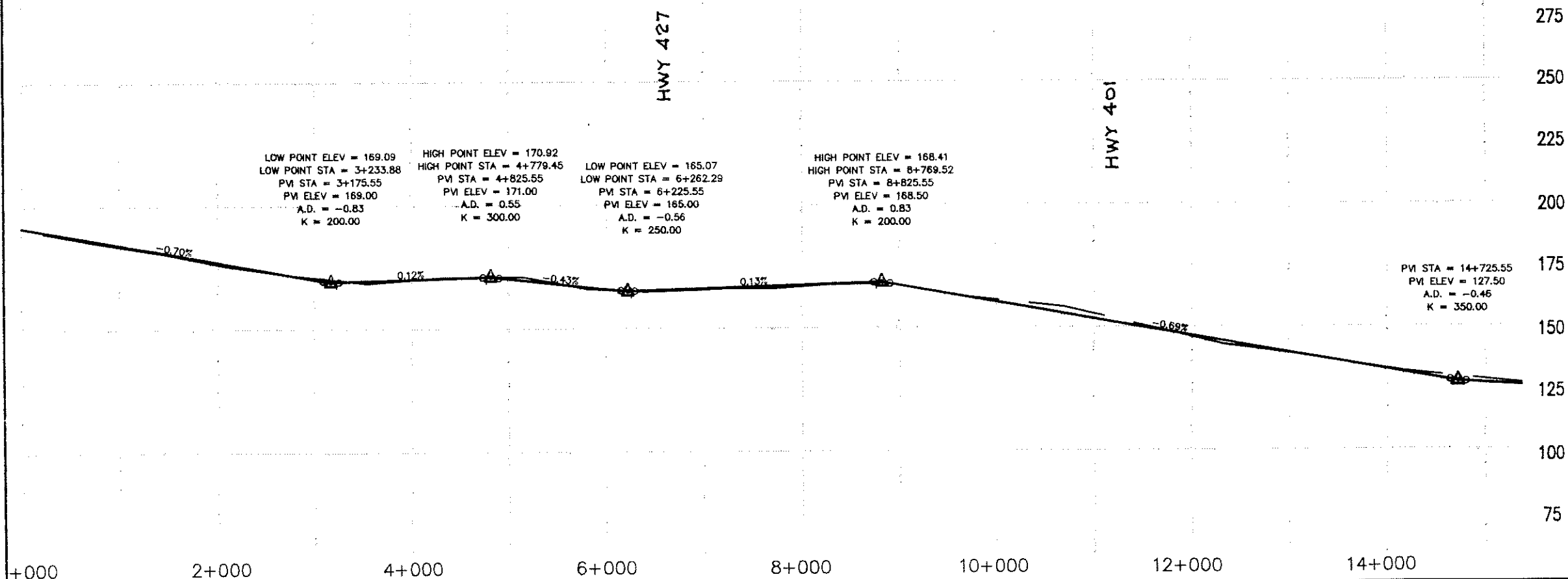


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300km/h PLUS ON NEW ROW REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TMO-A2	SHEET: 28 OF 28

**Schematic**  
R = 1500

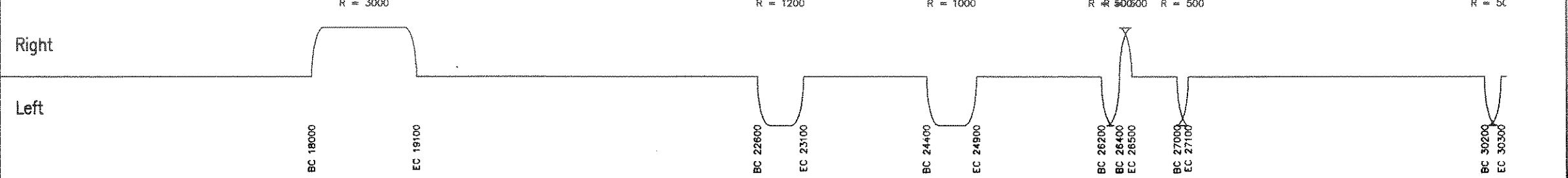


**Profile**

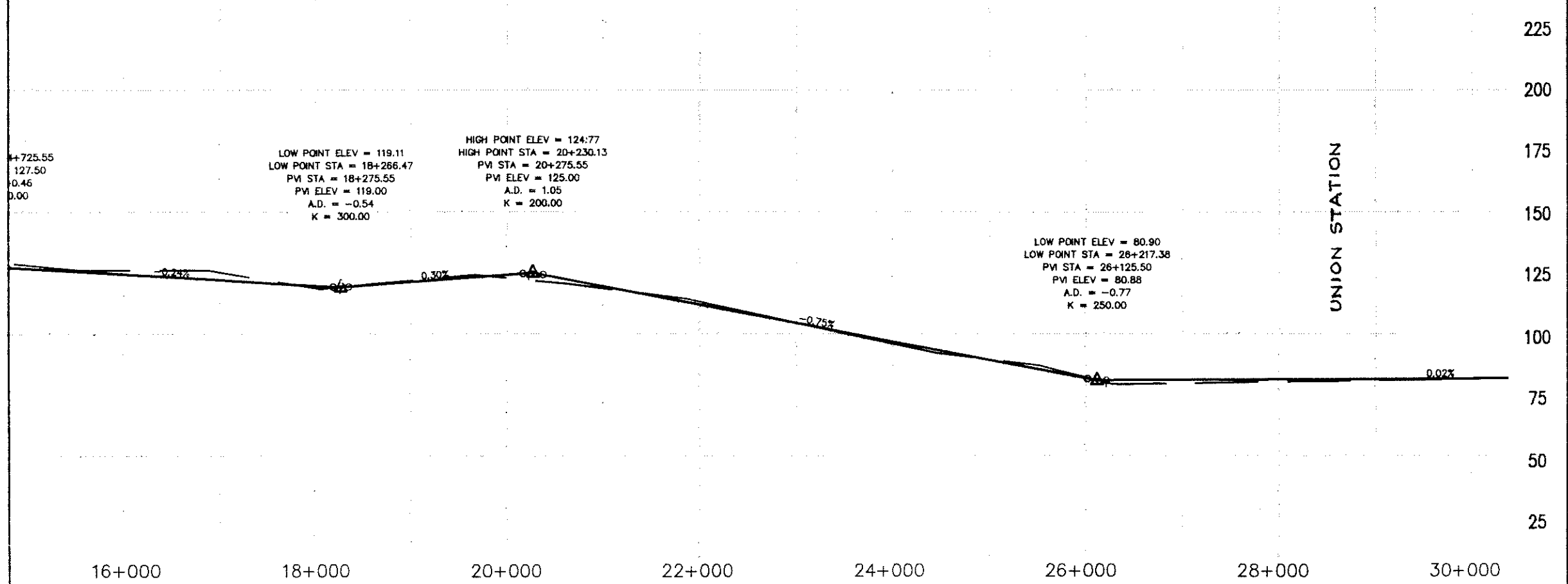


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	SOUTH CONNECTOR REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-C1	SHEET: 1 OF 4

Schematic



Profile



UNION STATION

QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	SOUTH CONNECTOR REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-C1	SHEET: 2 OF 4

# Schematic

R = 500 R = 200 R = 500

R = 500 R = 750

R = 750

R = 750

R = 750

R = 1000

R = 3000

Right

Left

BC 30250  
EC 30350

BC 30800  
EC 31100

BC 31400  
EC 31600

BC 32900  
EC 33100  
BC 33300  
EC 33600

BC 35500  
EC 36100

BC 37800  
EC 38100

BC 38900  
EC 39500

BC 41500  
EC 41800

BC 43100  
EC 43700

# Profile

DVP

HIGH POINT ELEV = 175  
HIGH POINT STA = 44+92  
PM STA = 44+839.83  
PVI ELEV = 175.00  
A.D. = 0.97  
K = 200.00

HIGH POINT ELEV = 139.90  
HIGH POINT STA = 40+207.57

PVI STA = 40+119.83  
PVI ELEV = 140.00  
A.D. = 1.08  
K = 200.00

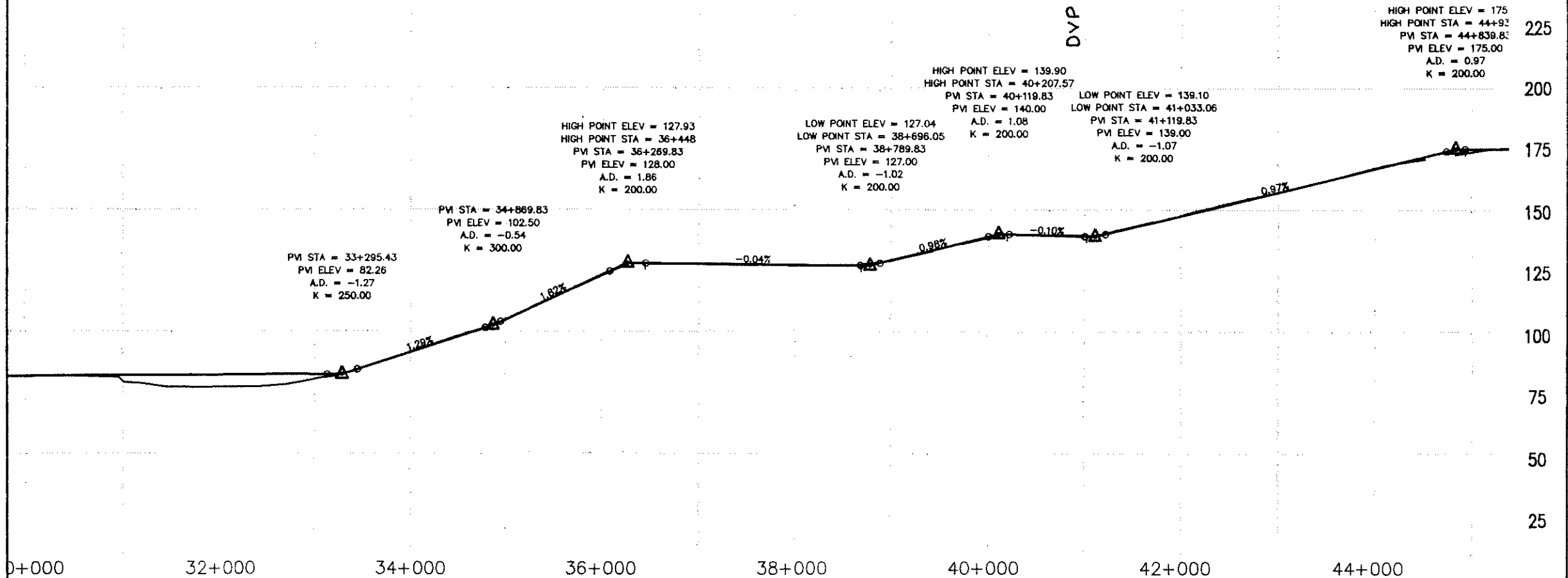
LOW POINT ELEV = 139.10  
LOW POINT STA = 41+033.06  
PVI STA = 41+119.83  
PVI ELEV = 139.00  
A.D. = -1.07  
K = 200.00

HIGH POINT ELEV = 127.93  
HIGH POINT STA = 36+448  
PVI STA = 36+269.83  
PVI ELEV = 128.00  
A.D. = 1.86  
K = 200.00

LOW POINT ELEV = 127.04  
LOW POINT STA = 38+696.05  
PVI STA = 38+789.83  
PVI ELEV = 127.00  
A.D. = -1.02  
K = 200.00

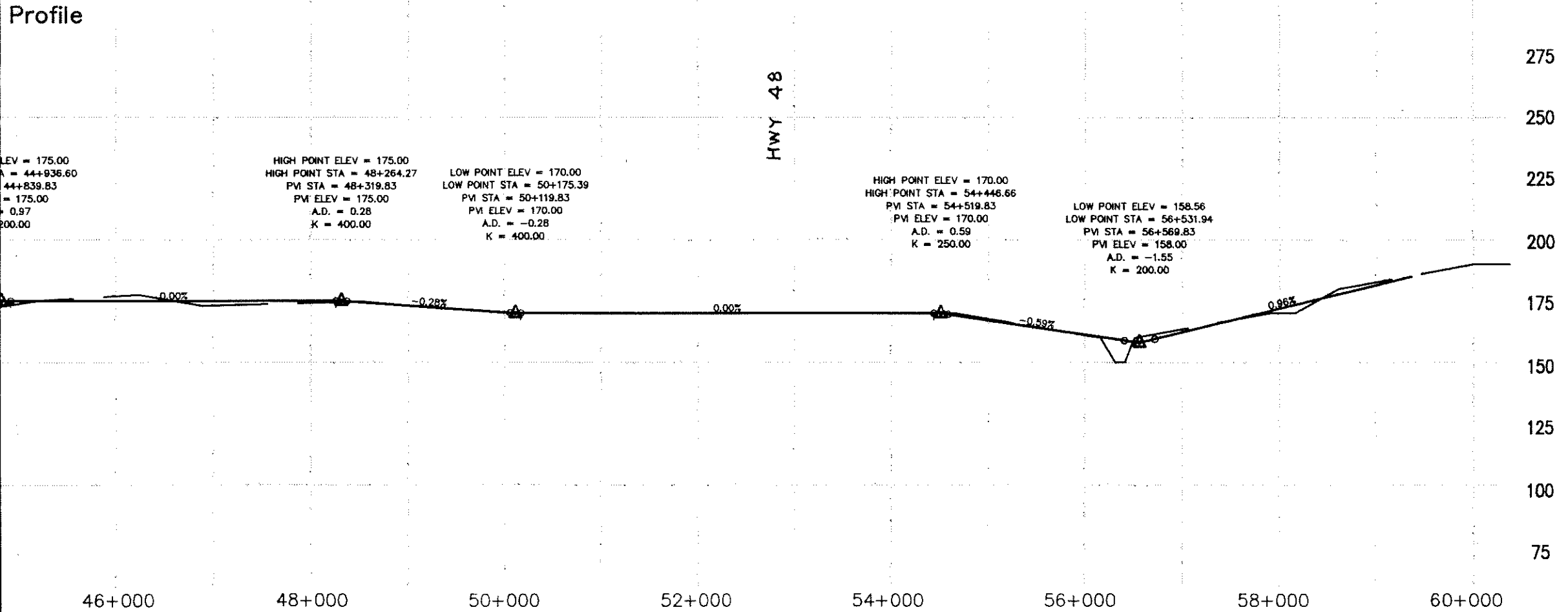
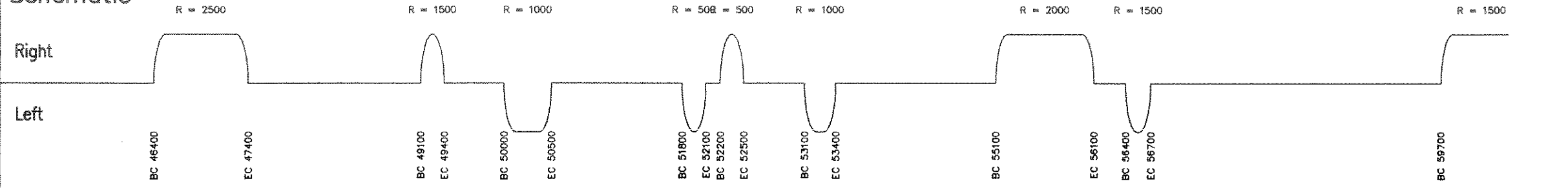
PM STA = 34+889.83  
PVI ELEV = 102.50  
A.D. = -0.54  
K = 300.00

PM STA = 33+295.43  
PVI ELEV = 82.26  
A.D. = -1.27  
K = 250.00



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	SOUTH CONNECTOR REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TMO-A1	SHEET: 3 OF 4

# Schematic



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	SOUTH CONNECTOR REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TMO-A1	SHEET: 4 OF 4



**Schematic**  
R = 1500

R = 2000

Right

Left

BC 100

EC 2200

BC 12800

EC 14100

**Profile**

HWY 427

HWY 401

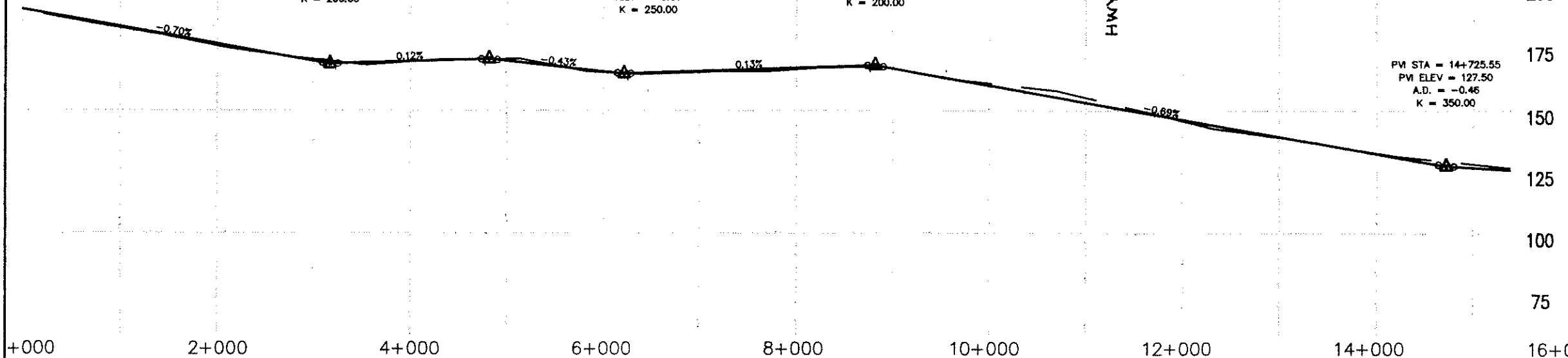
LOW POINT ELEV = 169.09  
LOW POINT STA = 3+233.88  
PVI STA = 3+175.55  
PVI ELEV = 169.00  
A.D. = -0.83  
K = 200.00

HIGH POINT ELEV = 170.92  
HIGH POINT STA = 4+779.45  
PVI STA = 4+825.55  
PVI ELEV = 171.00  
A.D. = 0.55  
K = 300.00

LOW POINT ELEV = 165.07  
LOW POINT STA = 6+262.29  
PVI STA = 6+225.55  
PVI ELEV = 165.00  
A.D. = -0.56  
K = 250.00

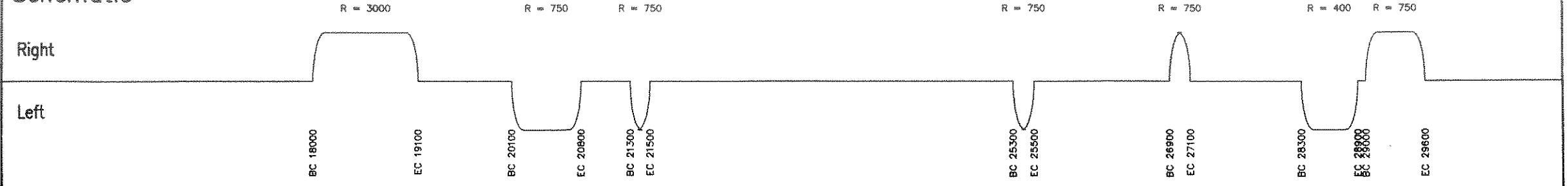
HIGH POINT ELEV = 168.41  
HIGH POINT STA = 8+769.52  
PVI STA = 8+825.55  
PVI ELEV = 168.50  
A.D. = 0.83  
K = 200.00

PVI STA = 14+725.55  
PVI ELEV = 127.50  
A.D. = -0.46  
K = 350.00

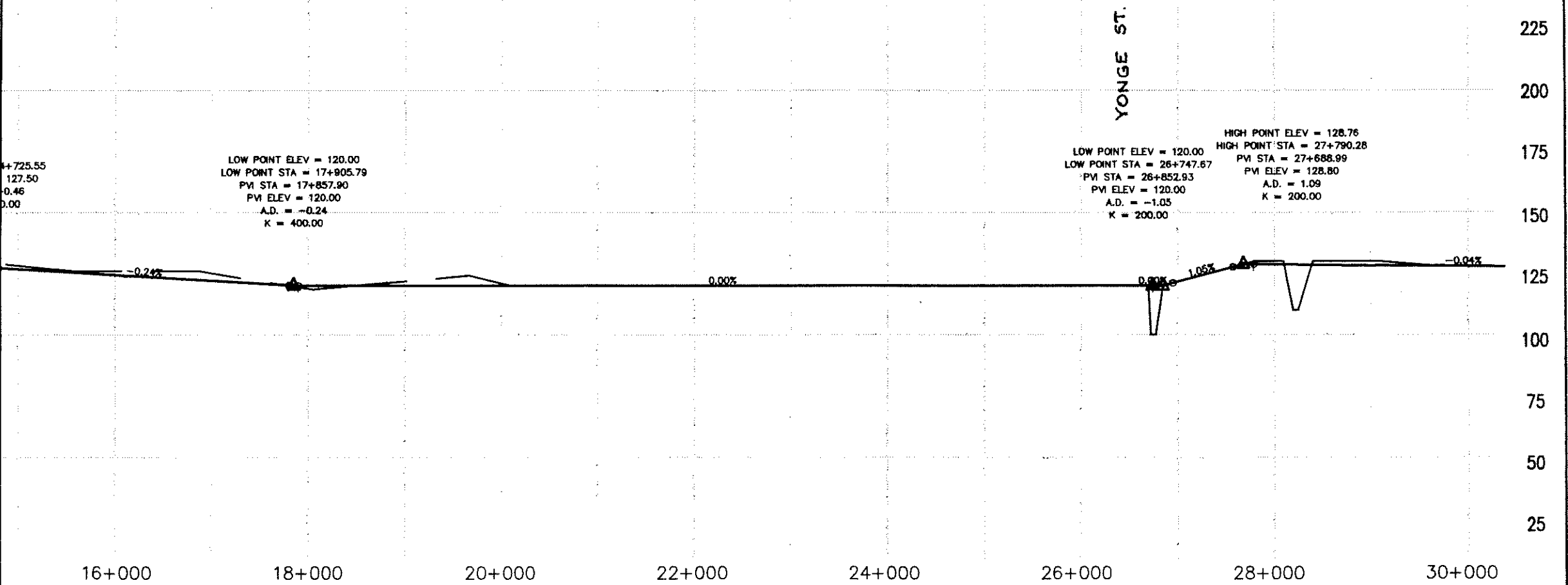


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	NORTH CONNECTOR REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: WTO-CO	SHEET: 1 OF 4

# Schematic

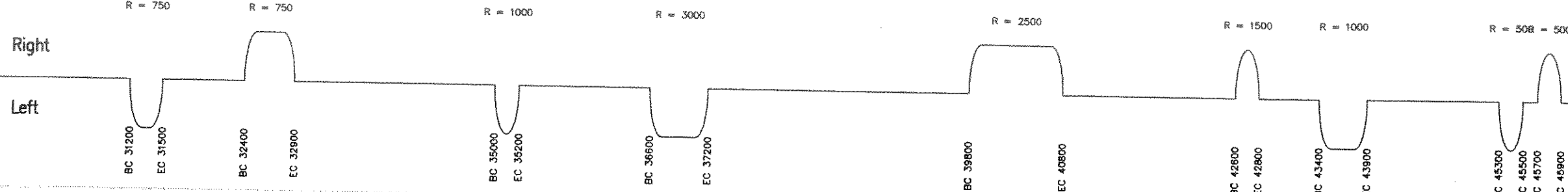


# Profile

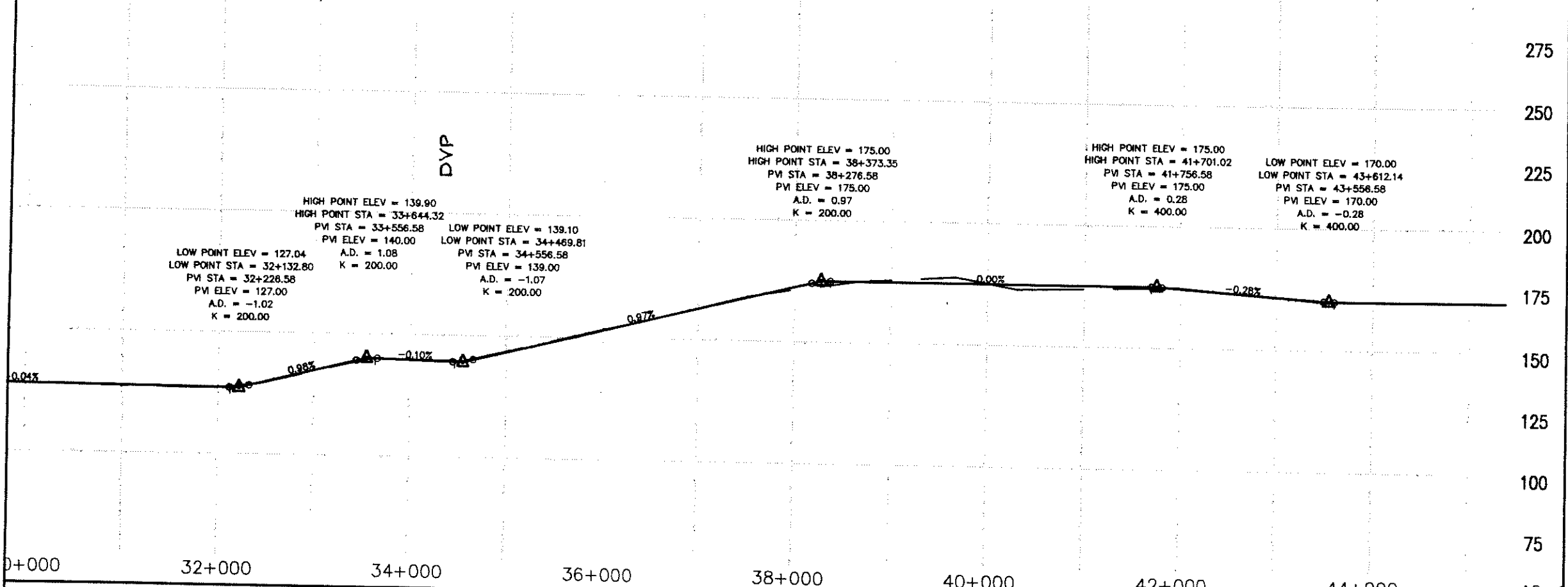


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	NORTH CONNECTOR REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TMO-A0	SHEET: 2 OF 4

**Schematic**

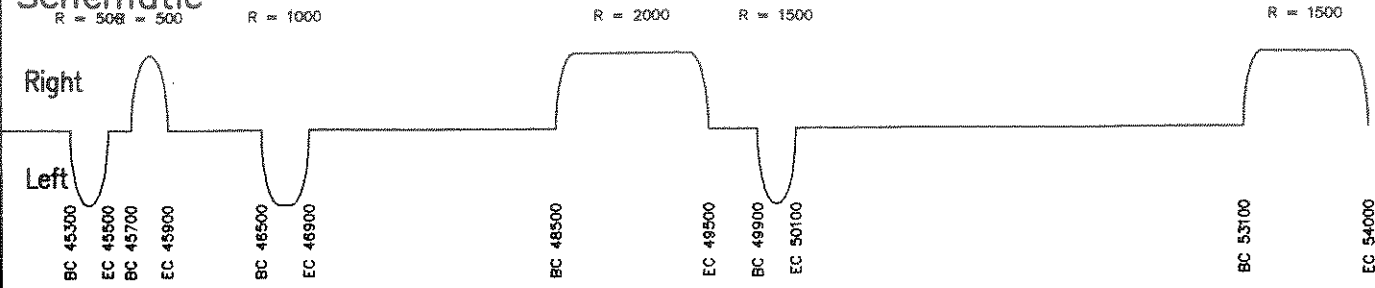


**Profile**

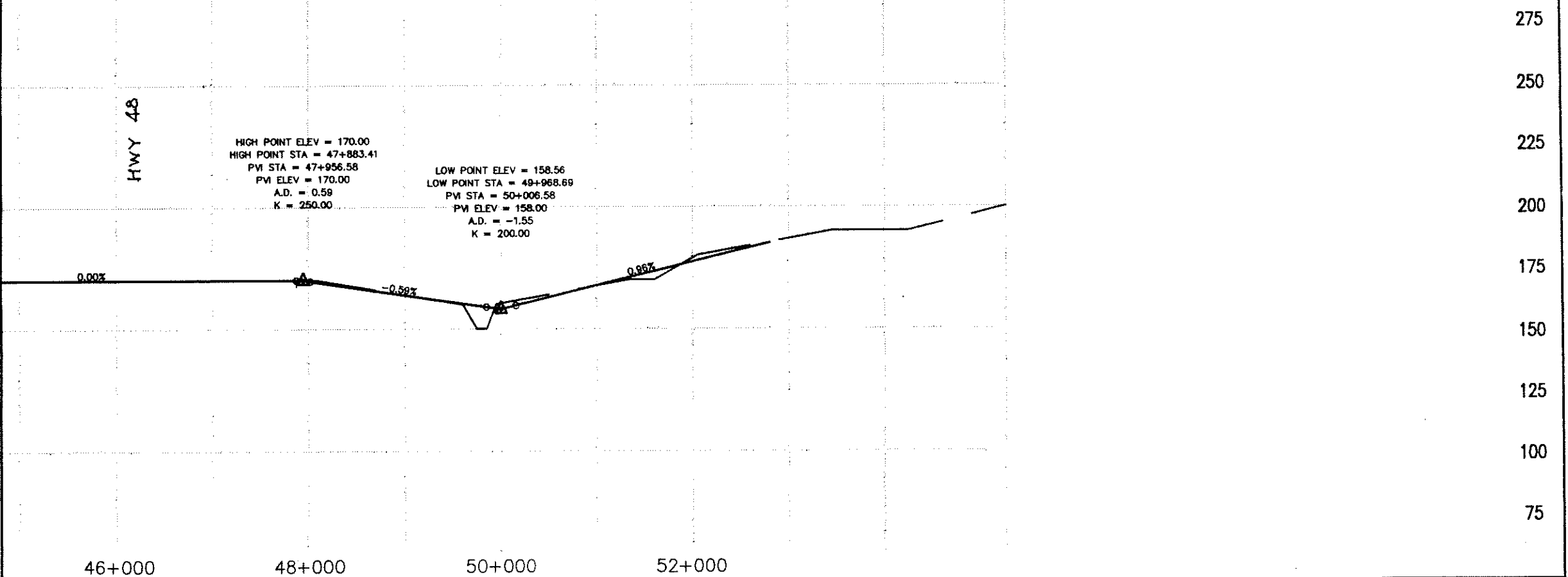


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	NORTH CONNECTOR REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TMO-A0	SHEET: 3 OF 4

# Schematic



# Profile

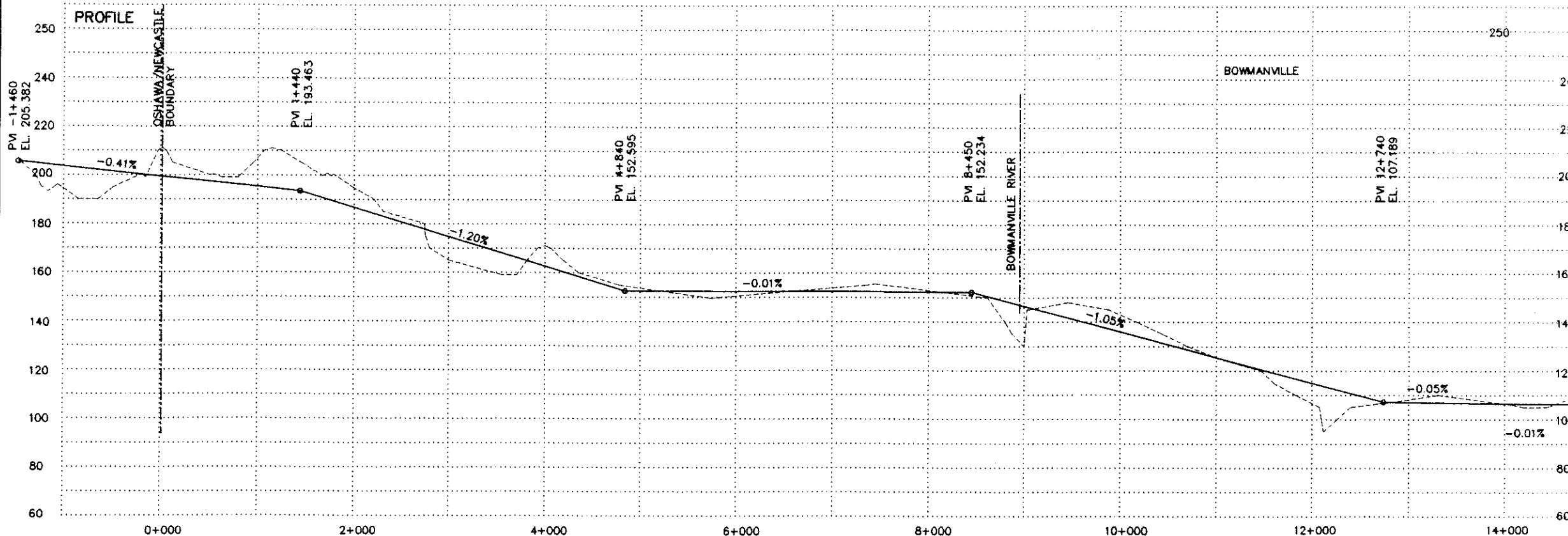
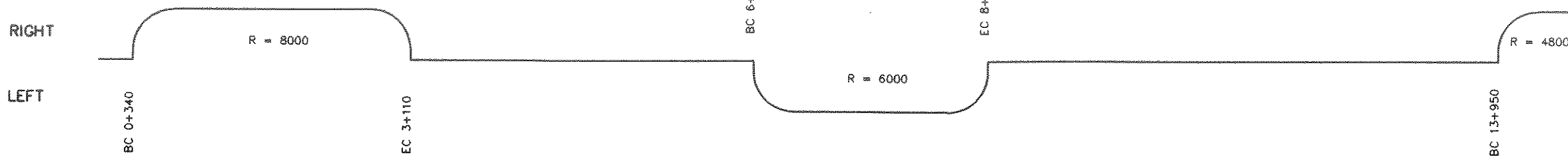


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	NORTH CONNECTOR REPRESENTATIVE ROUTE WINDSOR - TORONTO	SCALE: HOR: 1:50000	DATE: MAY/93
		VER: 1:2000	REVISION:
		SEGMENT CODE: TMO-A0	SHEET: 4 OF 4

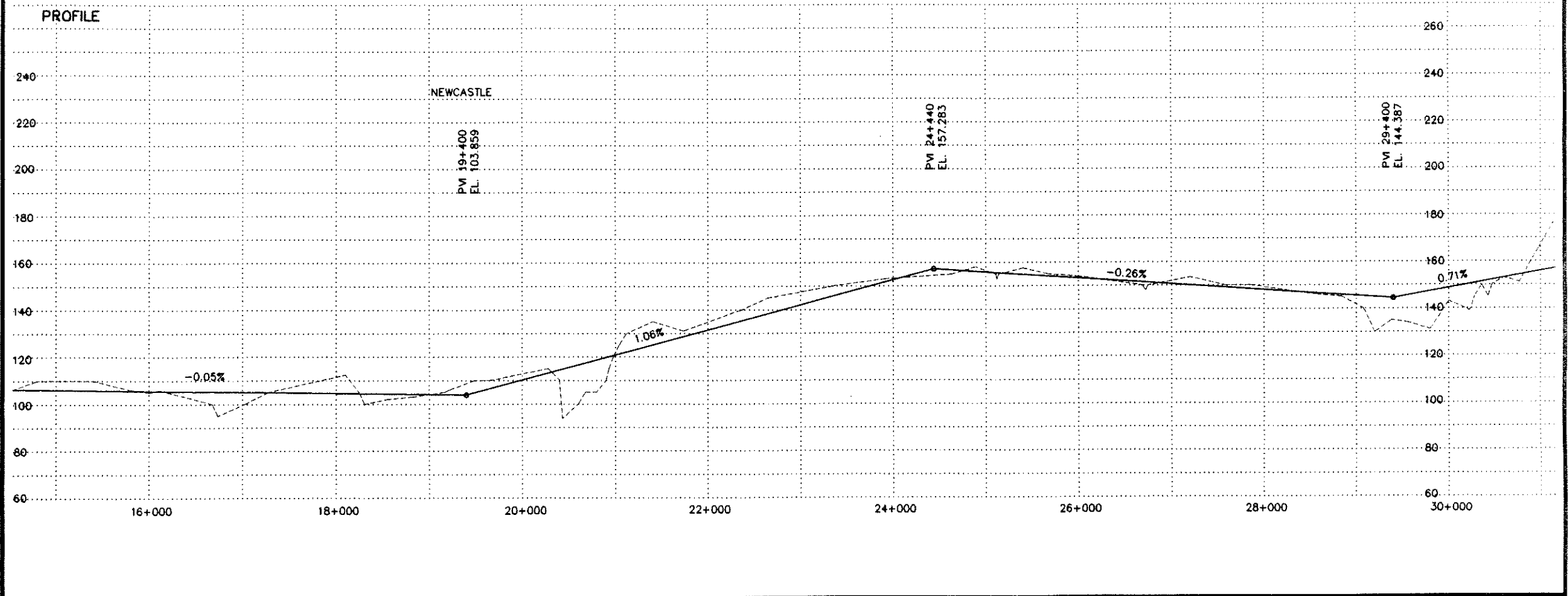
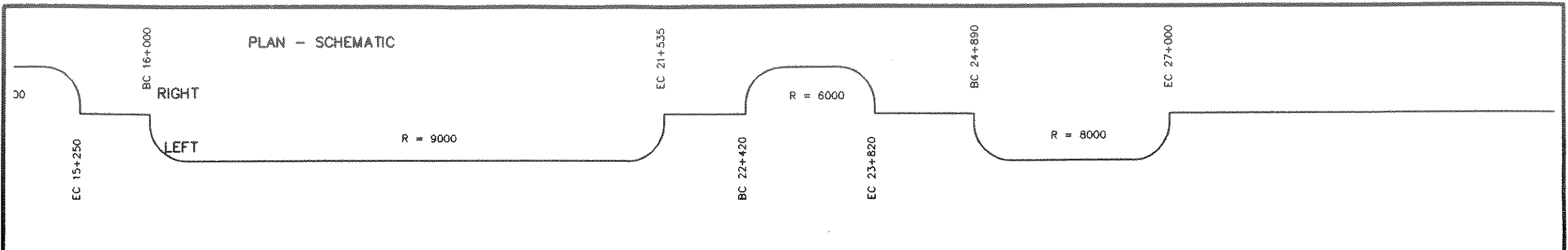
**OVER 300 KPH NON-TILTING TECHNOLOGY IN NEW CORRIDORS**

**OSHAWA - RICHMOND**

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON NEW ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE: TMO-B0	SHEET 1 OF 21

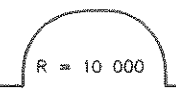


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON NEW ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE: TM0-B0	SHEET 2 OF 21

PLAN - SCHEMATIC

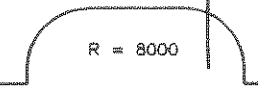
RIGHT

LEFT

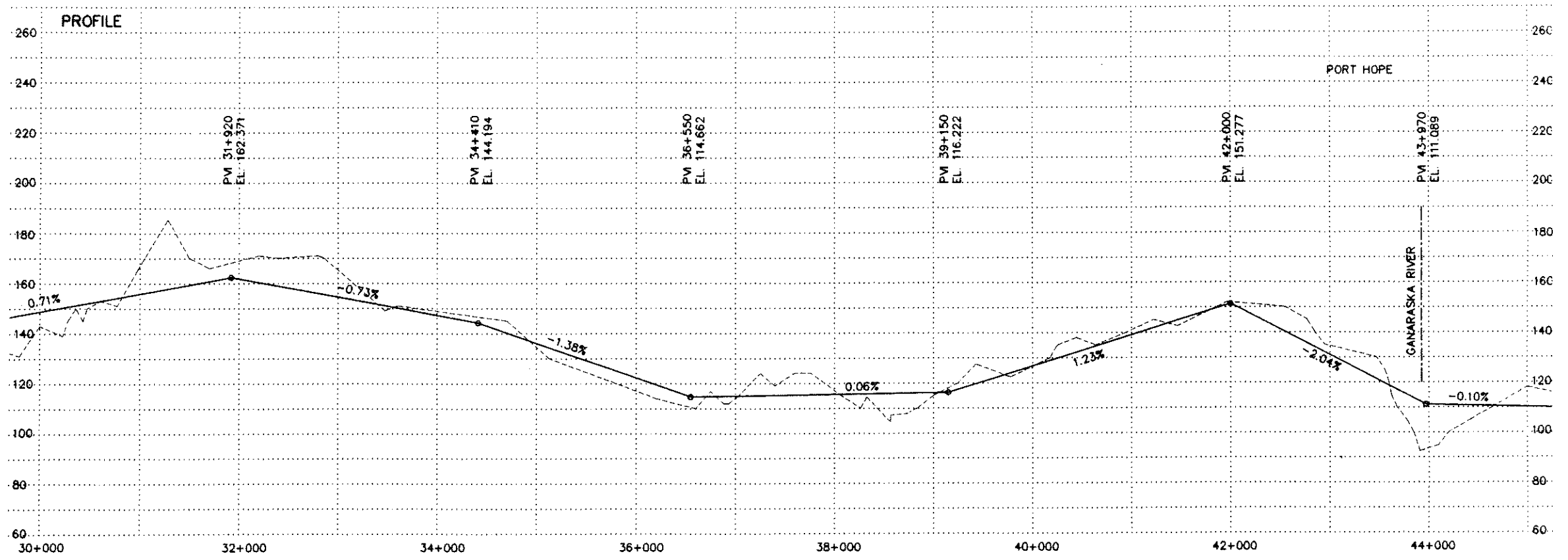


BC 36+650  
EC 37+600

SEGMENT TMO-80 | SEGMENT TMO-81



BC 42+450  
EC 43+890



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

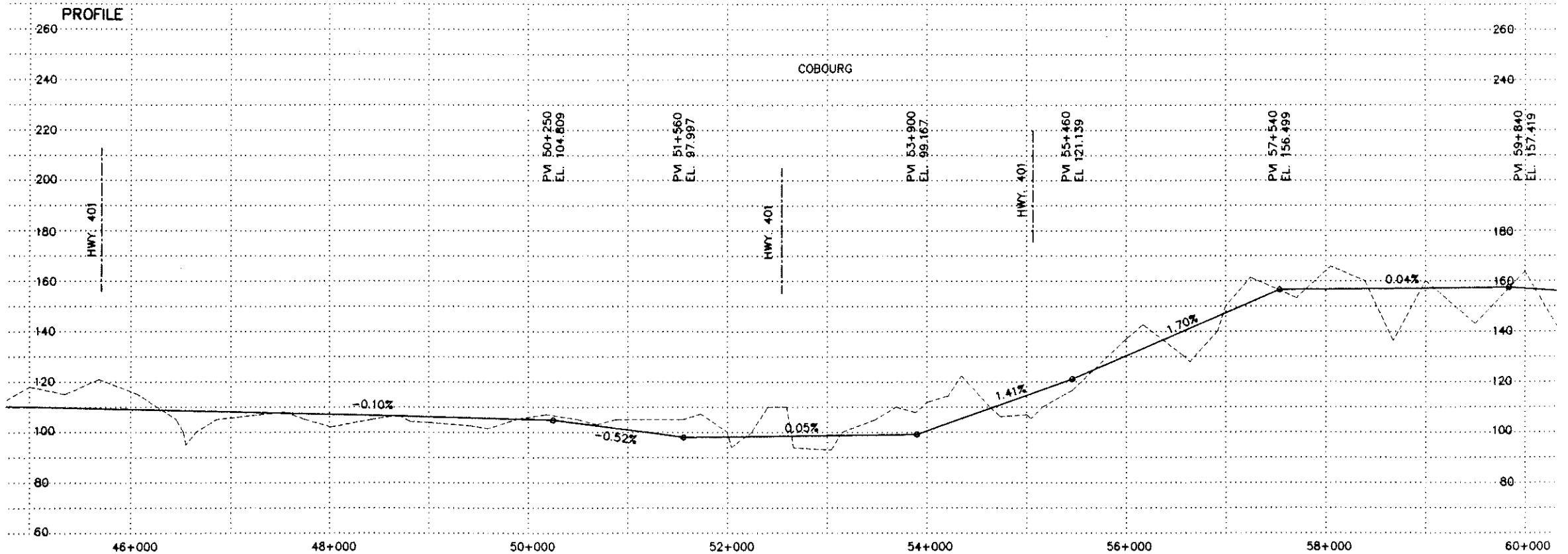
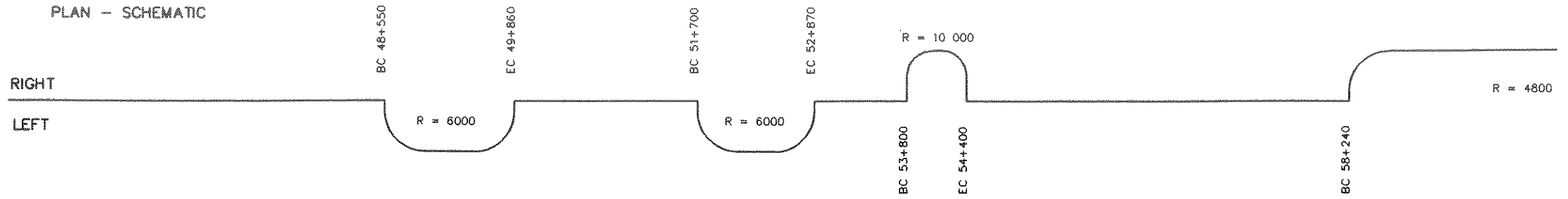
300 kph PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1: 50 000  
VER. 1: 2000  
SEGMENT CODE: TMO-80

DATE: MAR/93  
REVISION:  
SHEET 3 OF 21



PLAN - SCHEMATIC



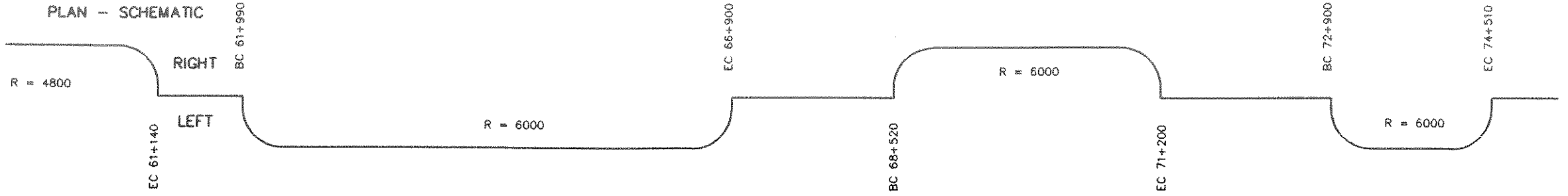
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

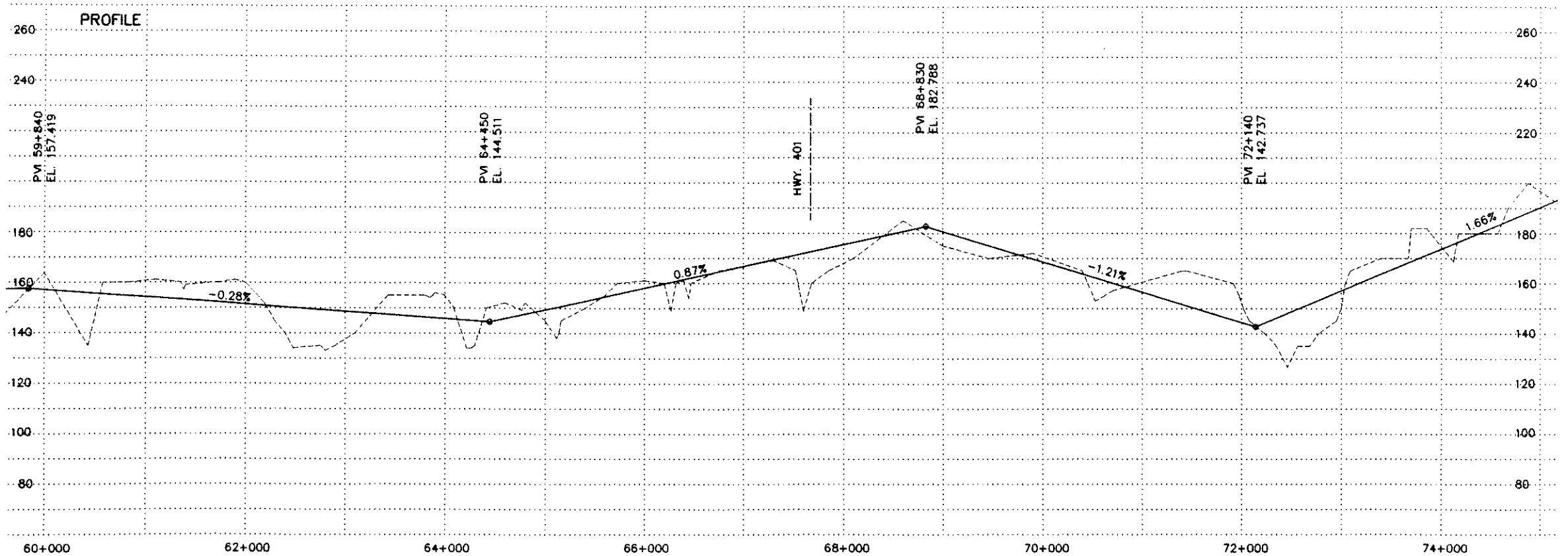
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 SEGMENT CODE: TM0-B1

DATE: MAR/93  
 REVISION:  
 SHEET 4 OF 21

PLAN - SCHEMATIC



PROFILE



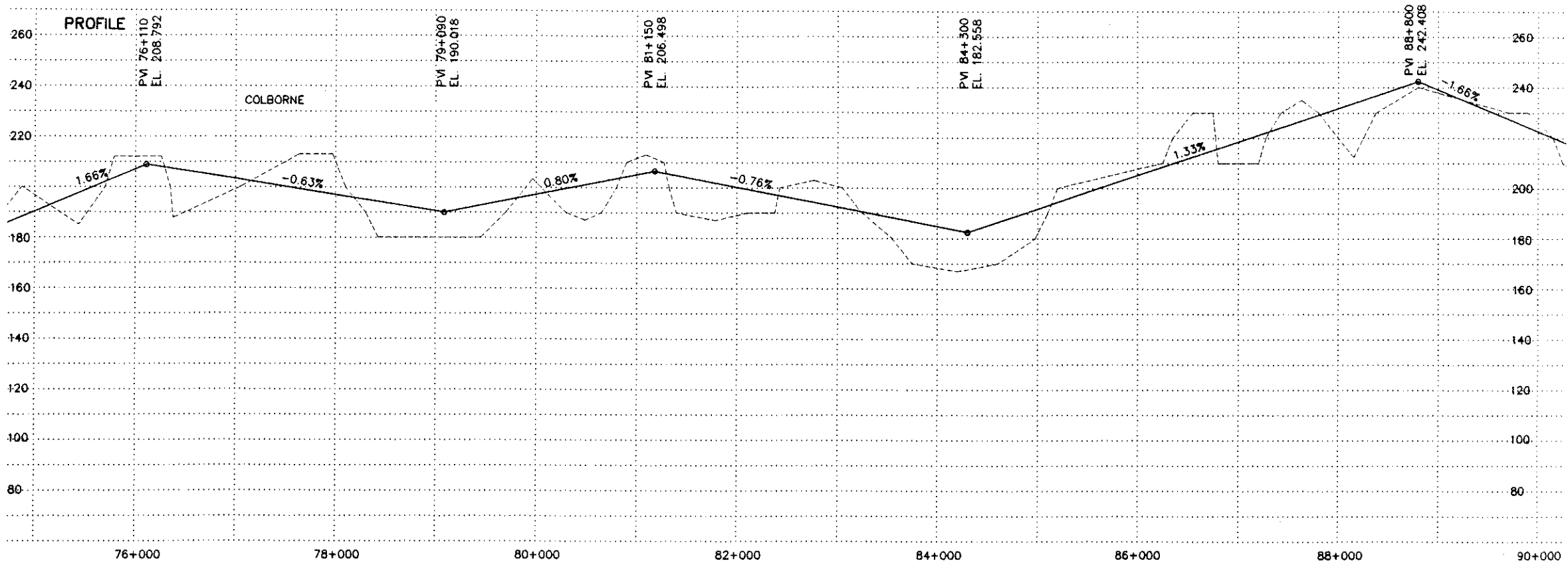
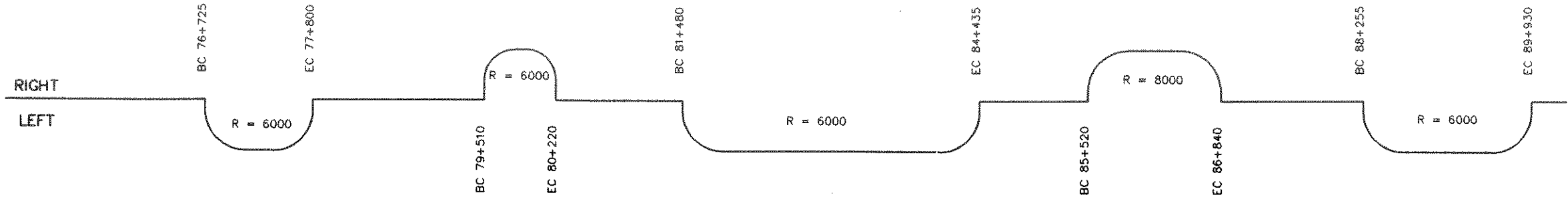
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TM0-B1

DATE: MAR/93  
 REVISION:  
 SHEET 5 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TMO-B1

DATE: MAR/93  
 REVISION:  
 SHEET 6 OF 21

EC 89+930

### PLAN - SCHEMATIC

RIGHT

LEFT

R = 6000

BC 93+750

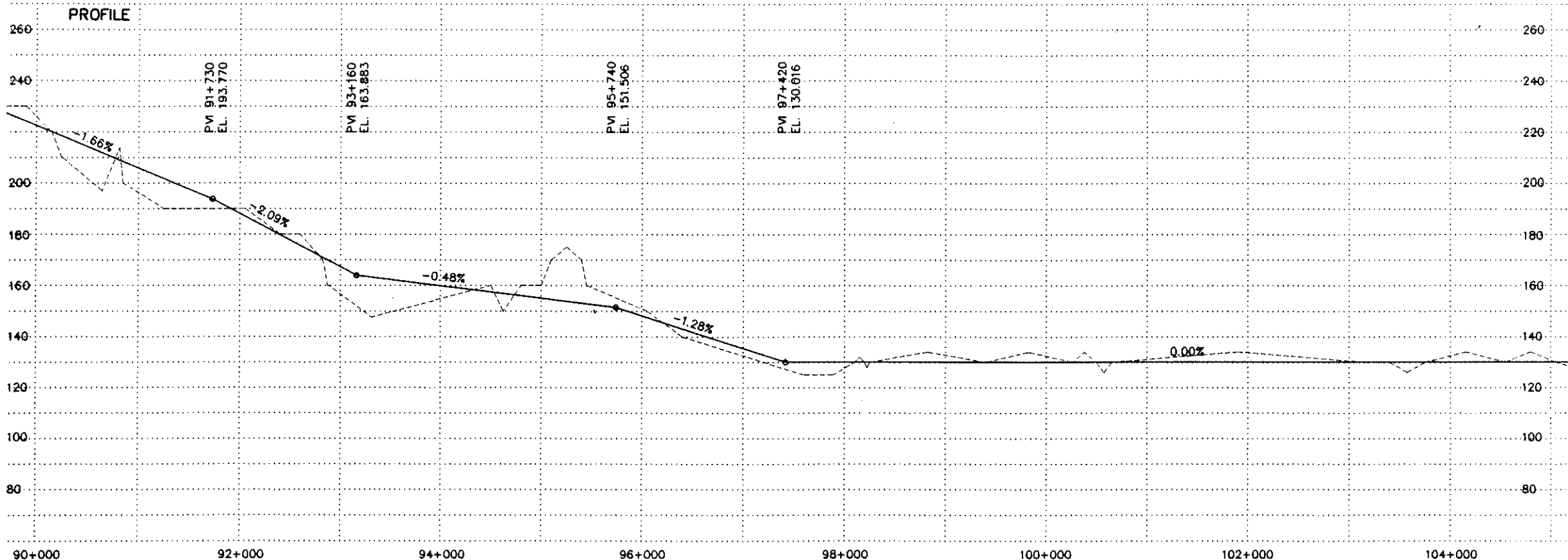
EC 96+430

BC 101+530

EC 102+700

R = 8000

### PROFILE



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000

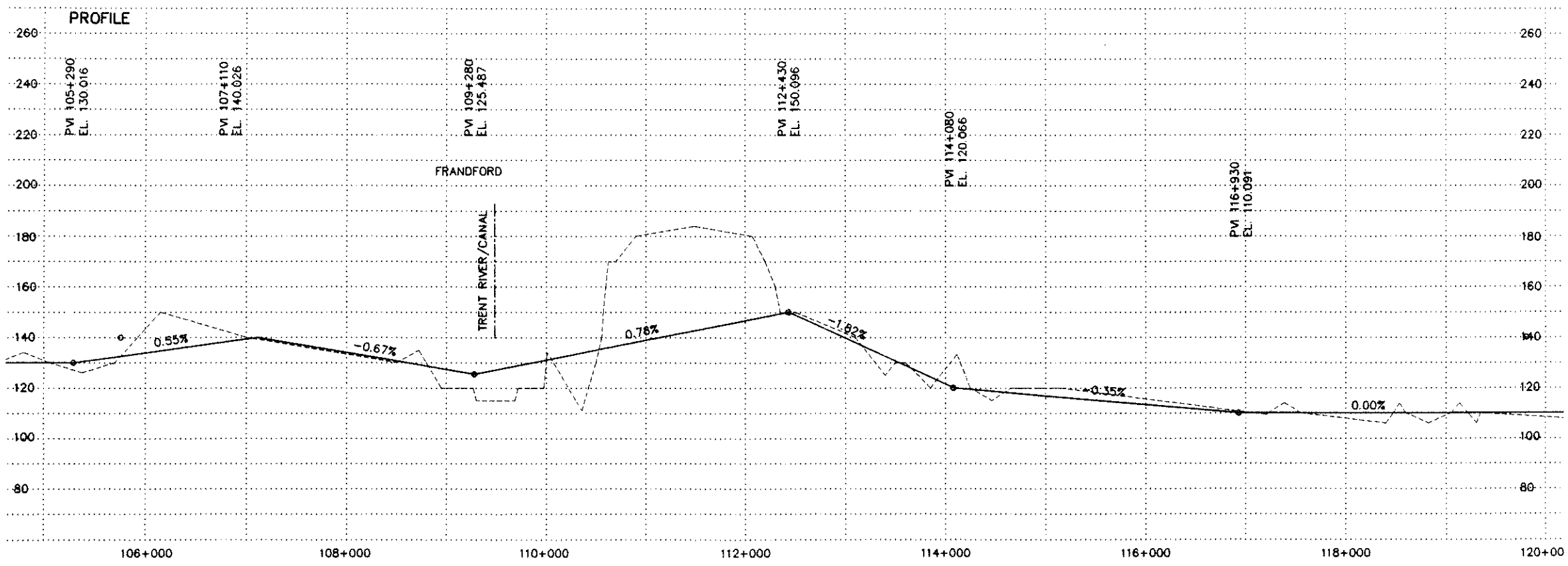
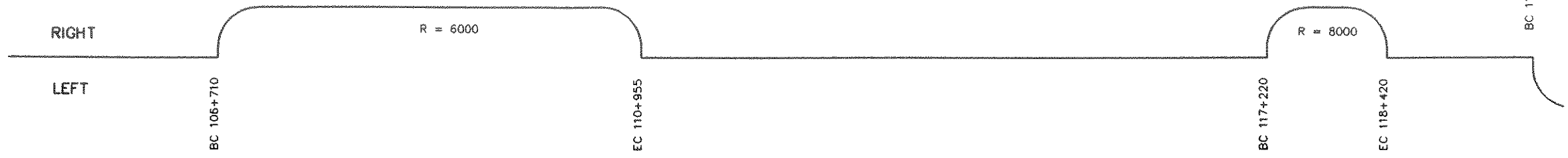
SEGMENT CODE: TMO-B1

DATE: MAR/93

REVISION:

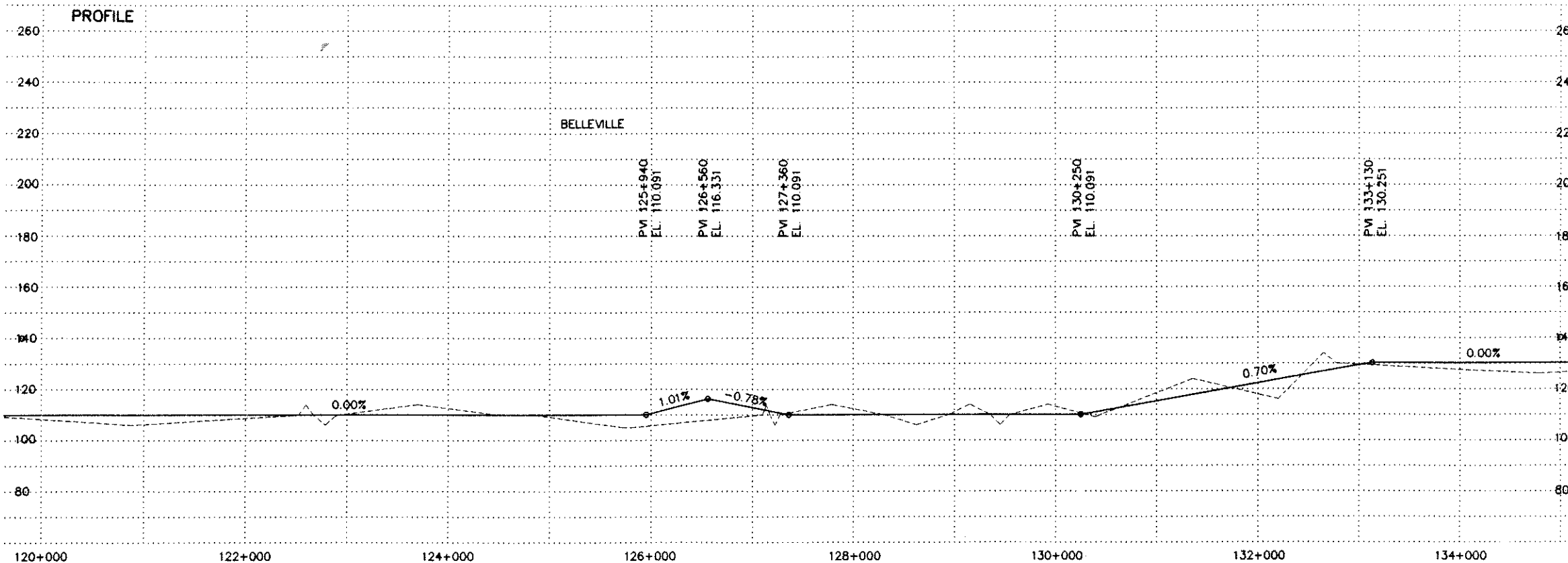
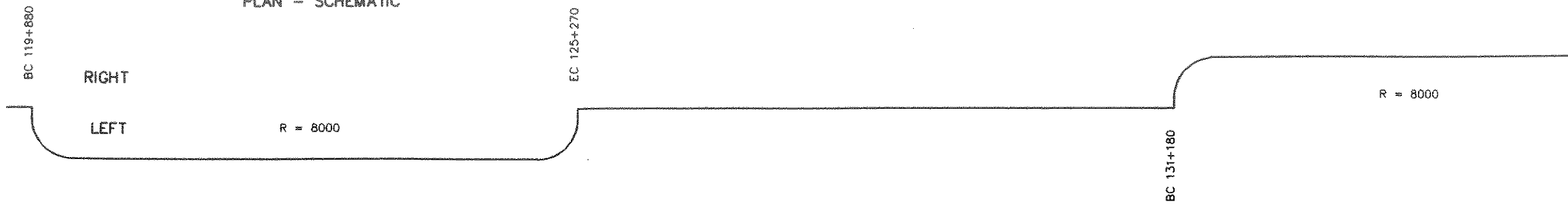
SHEET 7 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON NEW ROW REPRESENTATIVE ROUTE TORONTO - NATIONAL CAPITAL REGION	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE: TMO-B1	SHEET 8 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000

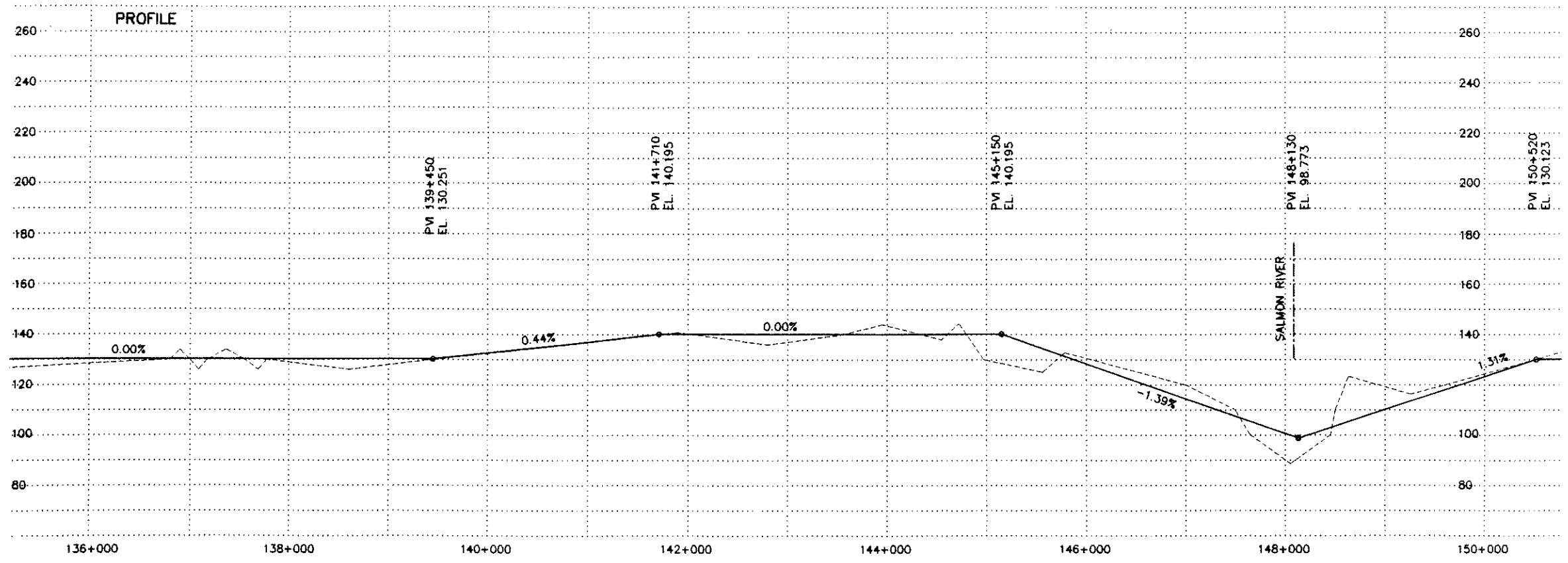
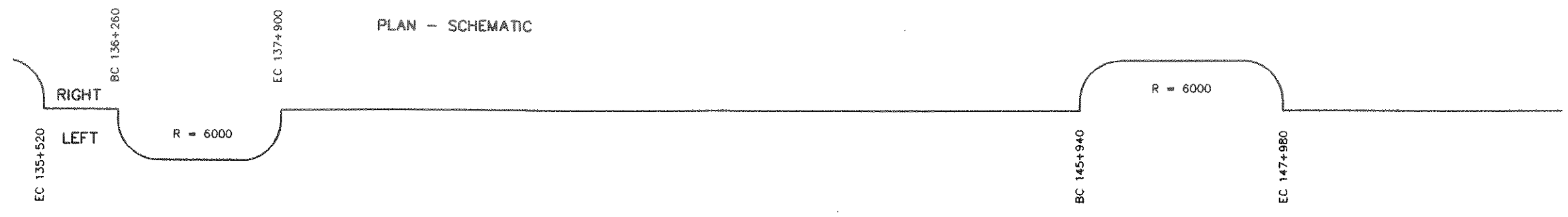
DATE: MAR/93

REVISION:

SEGMENT CODE: TMO-B1

SHEET 9 OF 21

PLAN - SCHEMATIC



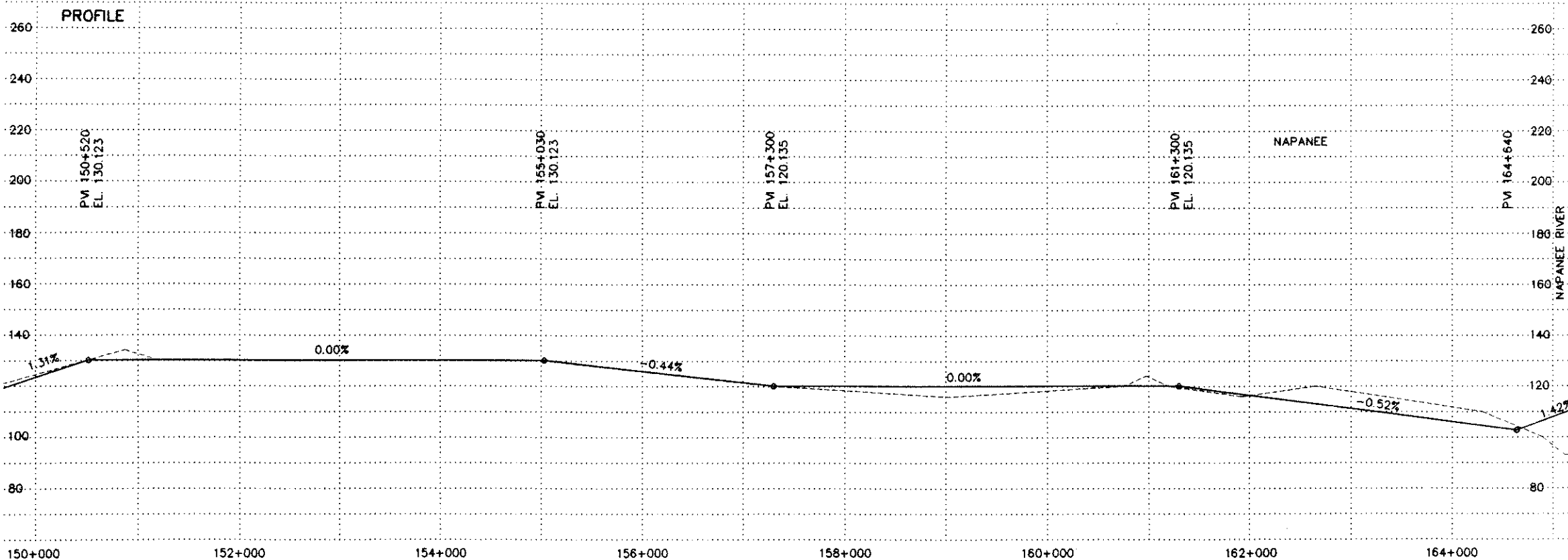
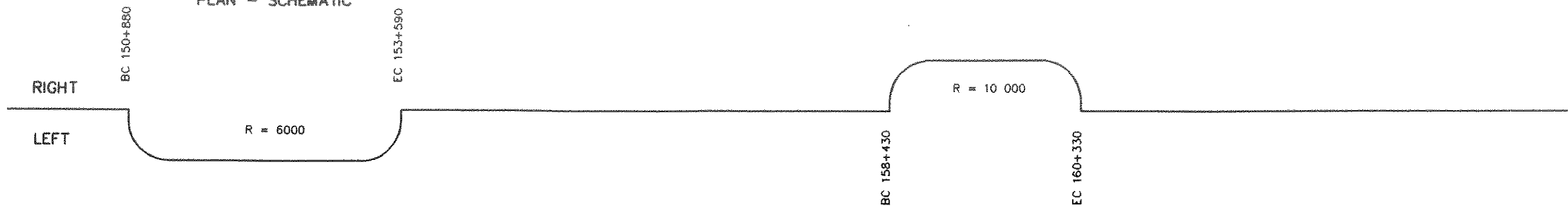
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TMO-B1

DATE: MAR/93  
 REVISION:  
 SHEET 10 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TMO-B1

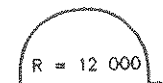
DATE: MAR/93  
 REVISION:  
 SHEET 11 OF 21



PLAN - SCHEMATIC

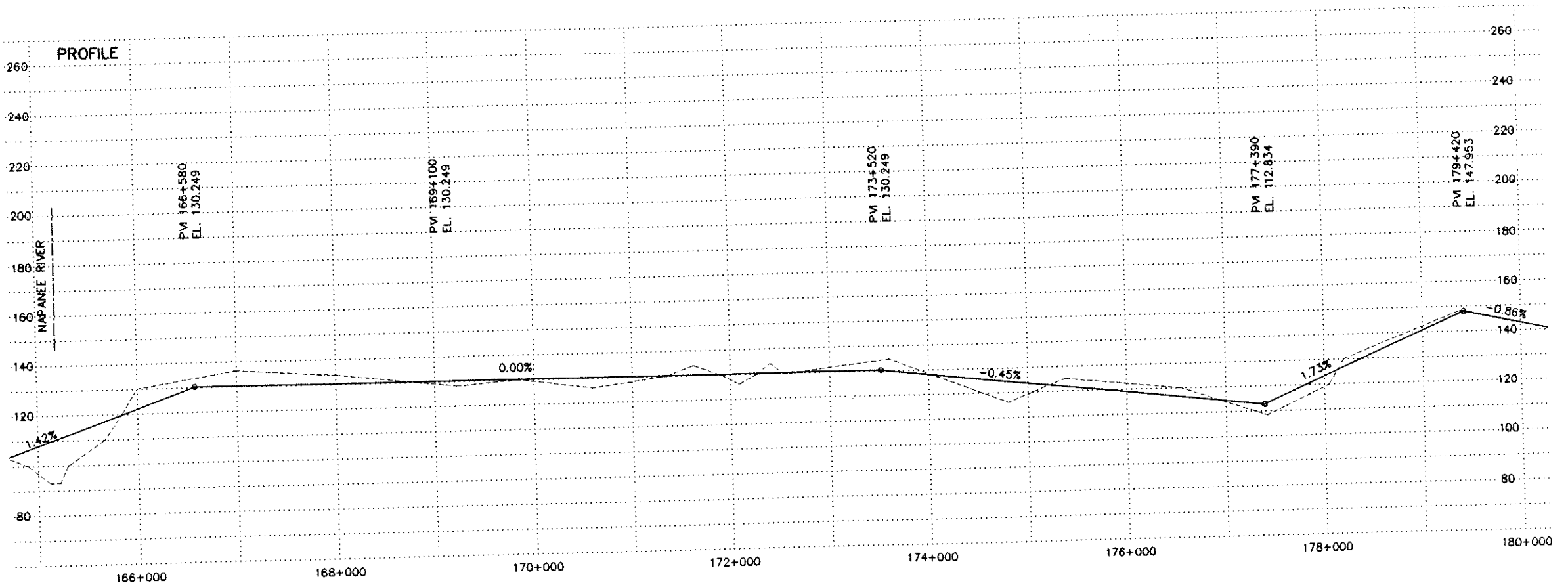
RIGHT

LEFT



BC 176+100

EC 176+950



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000

VER. 1:2000

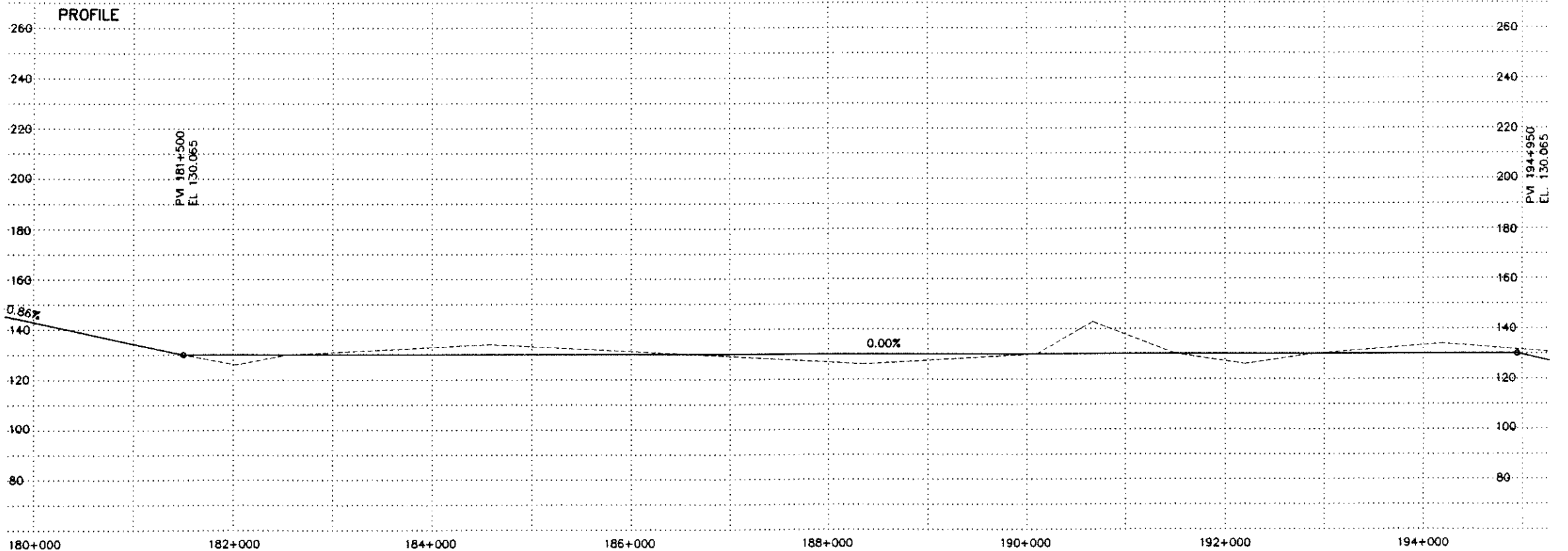
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DATE: MAR/93

REVISION:

SHEET 12 OF 21

PLAN - SCHEMATIC



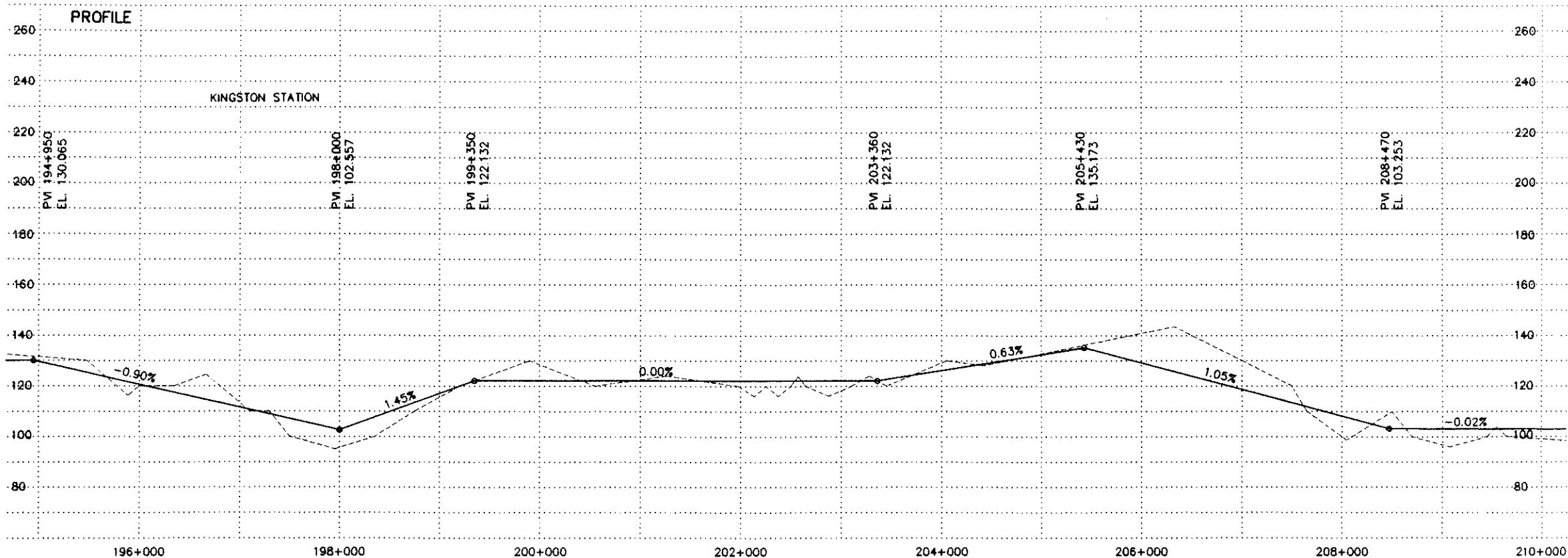
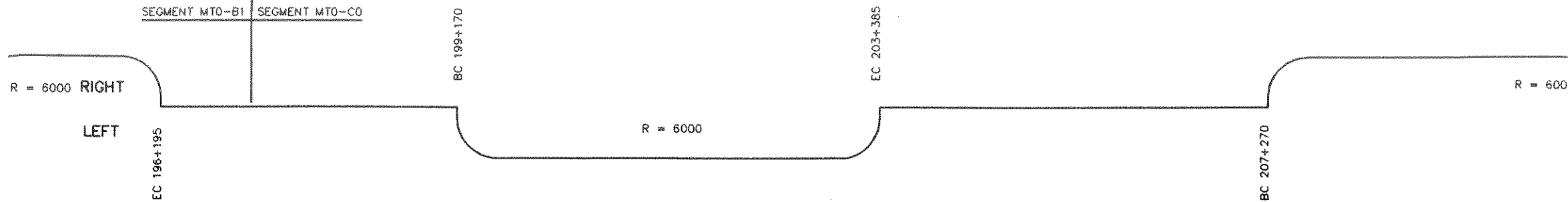
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TMO-B1

DATE: MAR/93  
 REVISION:  
 SHEET 13 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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DATE: MAR/93  
 REVISION:  
 SHEET 14 OF 21

PLAN - SCHEMATIC

R = 6000

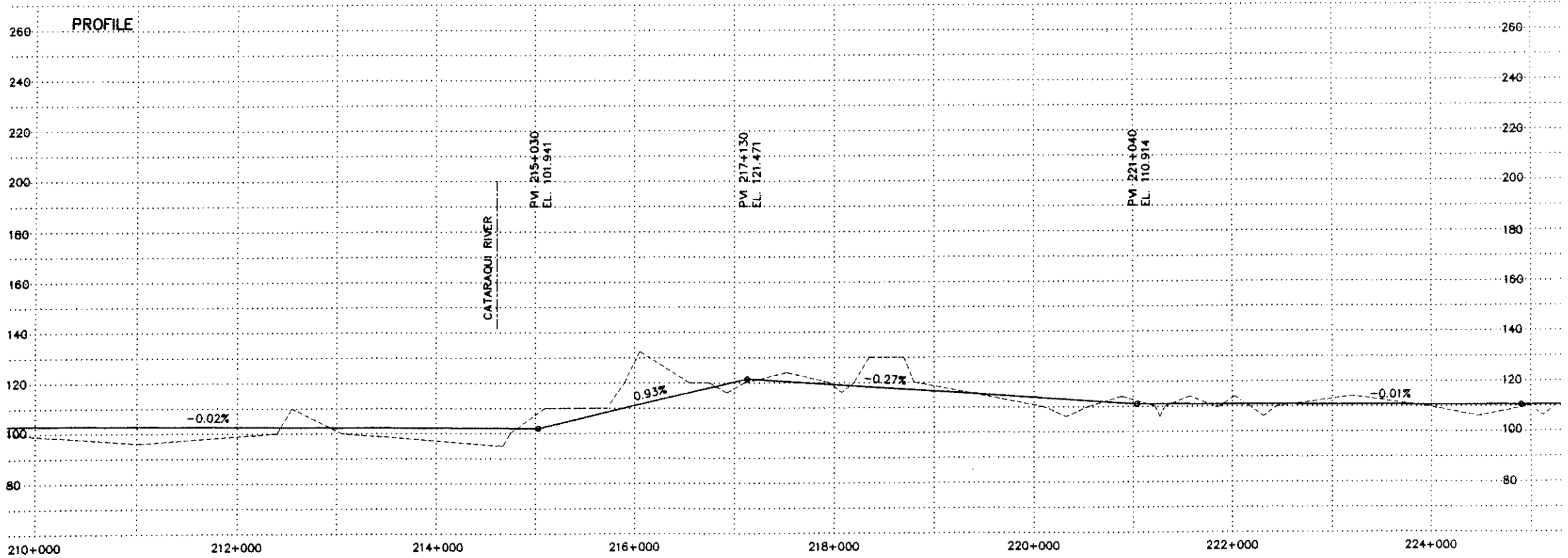
RIGHT

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EC 212+625

BC 219+010

R = 6000



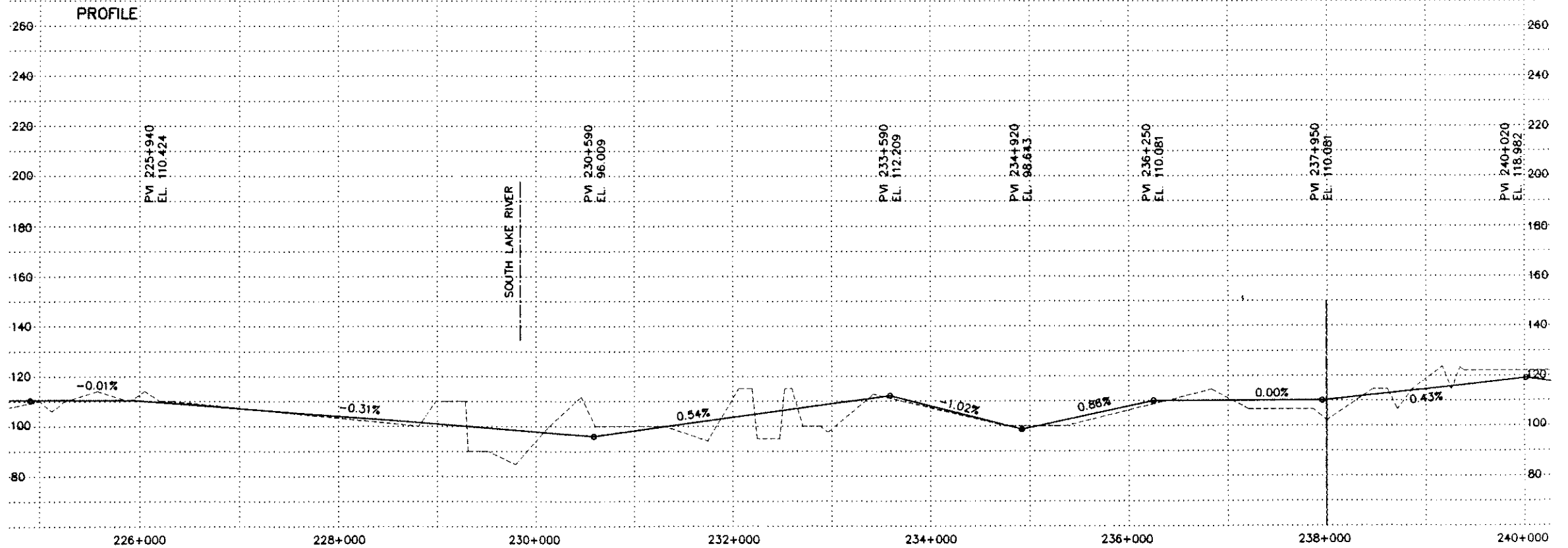
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM0-C0

DATE: MAR/93  
 REVISION:  
 SHEET 15 OF 21

PLAN - SCHEMATIC



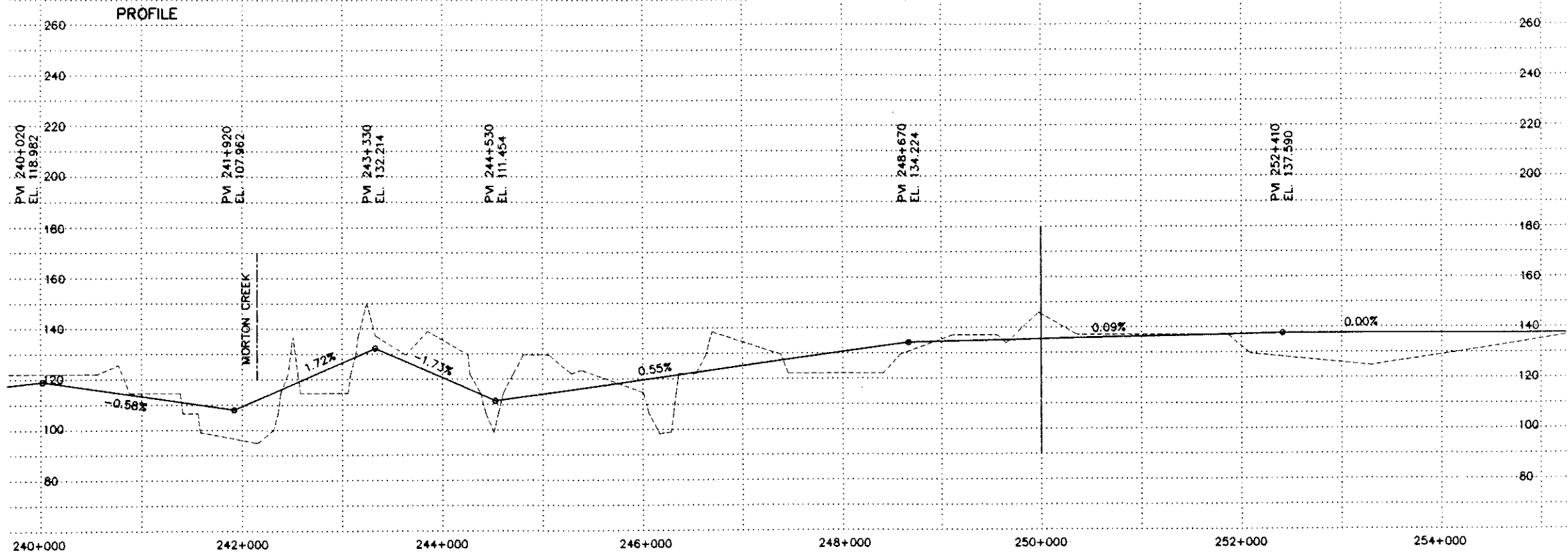
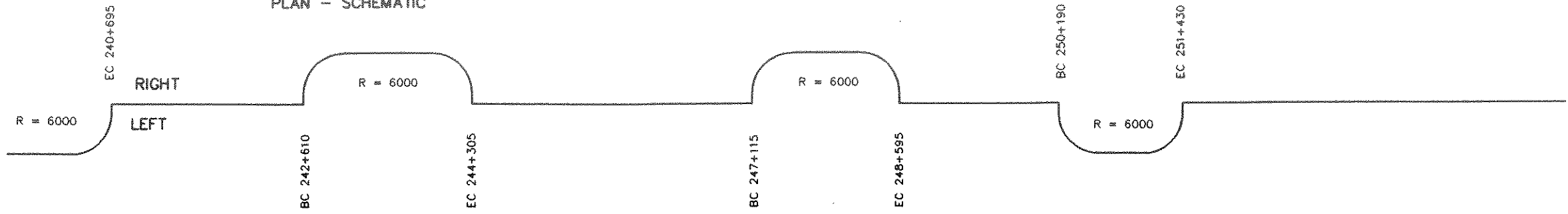
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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 SEGMENT CODE: TM0-C0

DATE: MAR/93  
 REVISION:  
 SHEET 16 OF 21

PLAN - SCHEMATIC



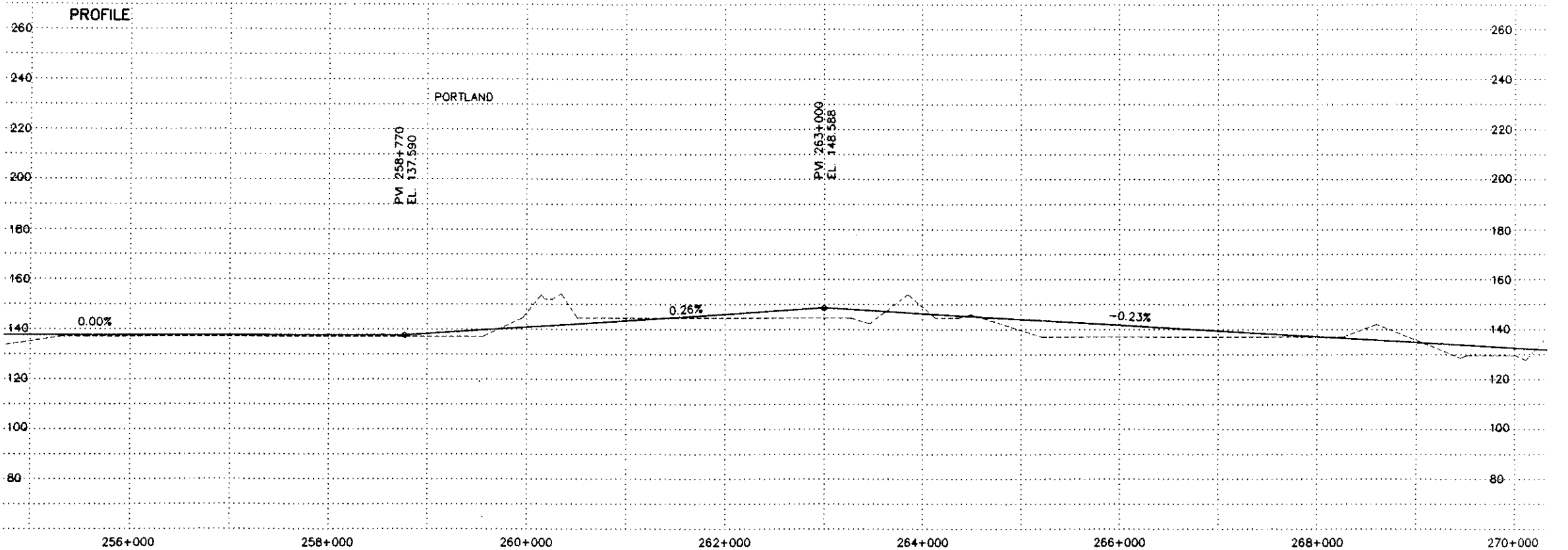
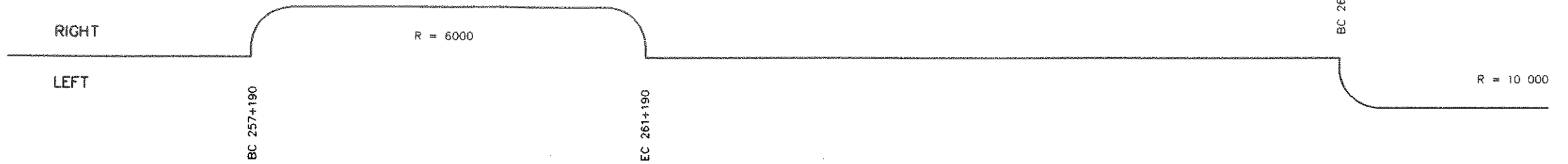
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
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DATE: MAR/93  
 REVISION:  
 SHEET 17 OF 21

PLAN - SCHEMATIC



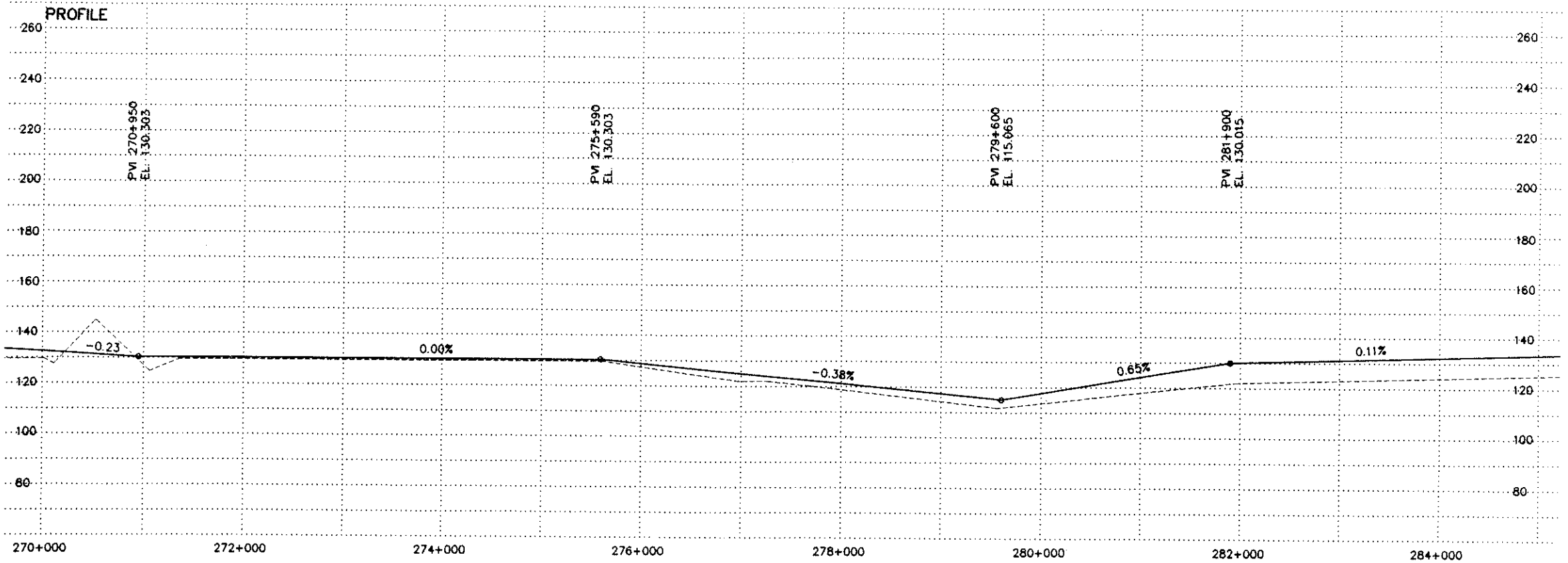
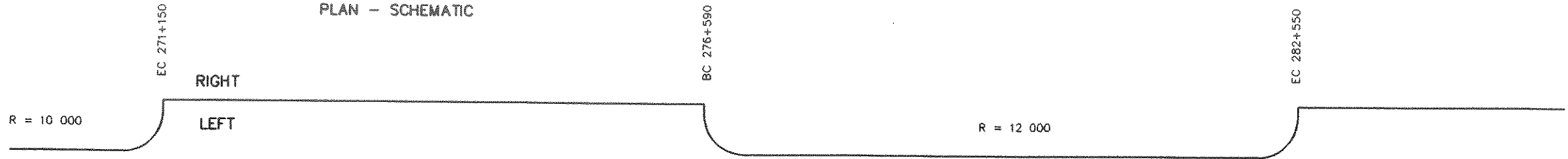
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 TORONTO - NATIONAL CAPITAL REGION

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TMO-CO

DATE: MAR/93  
 REVISION:  
 SHEET 18 OF 21

PLAN - SCHEMATIC

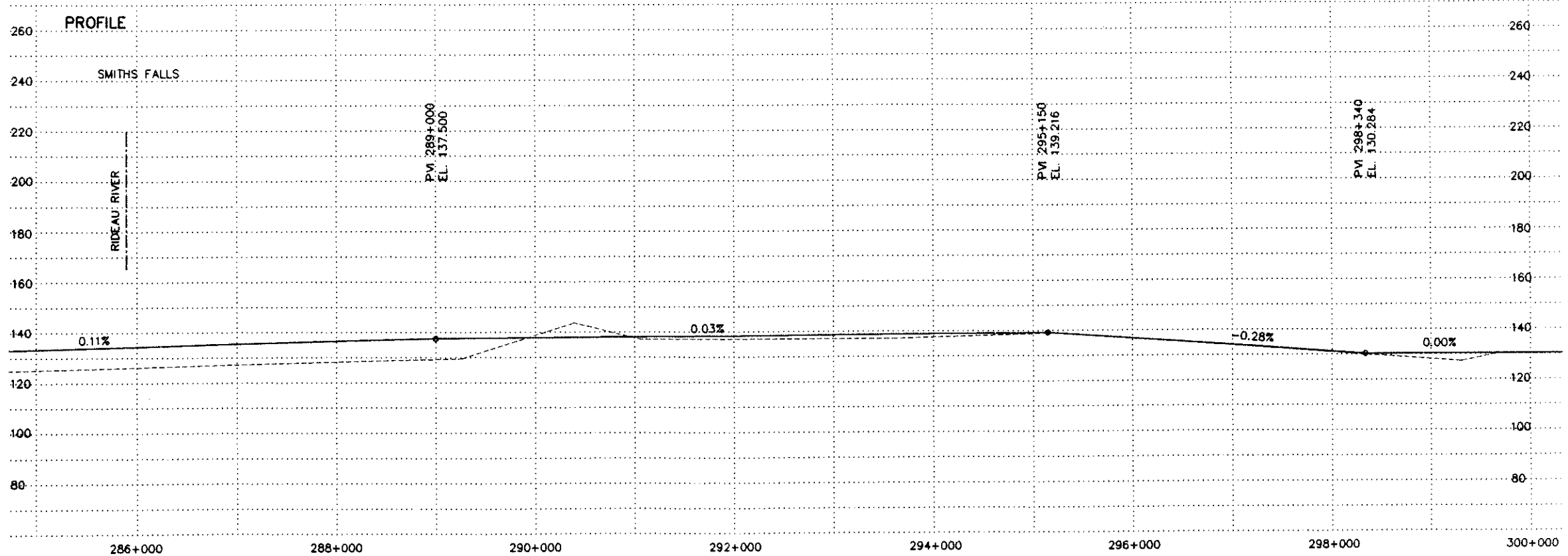
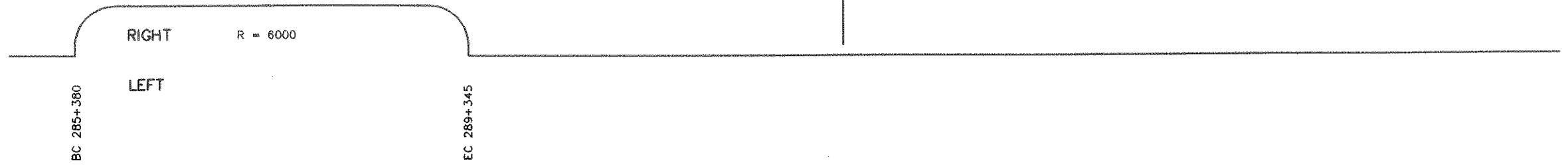


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	300 kph PLUS ON NEW ROW REPRESENTATIVE ROUTE NATIONAL CAPITAL REGION - TORONTO	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE: TM0-C0	SHEET 19 OF 21



PLAN - SCHEMATIC

SEGMENT TMO-CO | SEGMENT TMO-DO



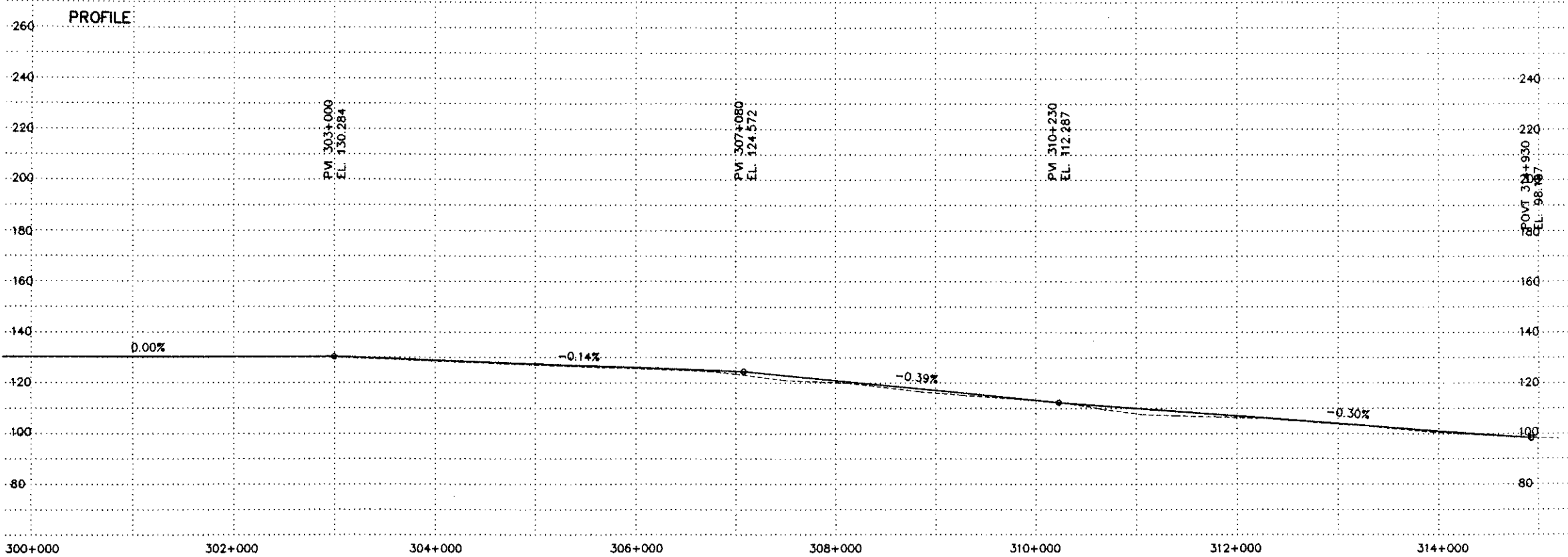
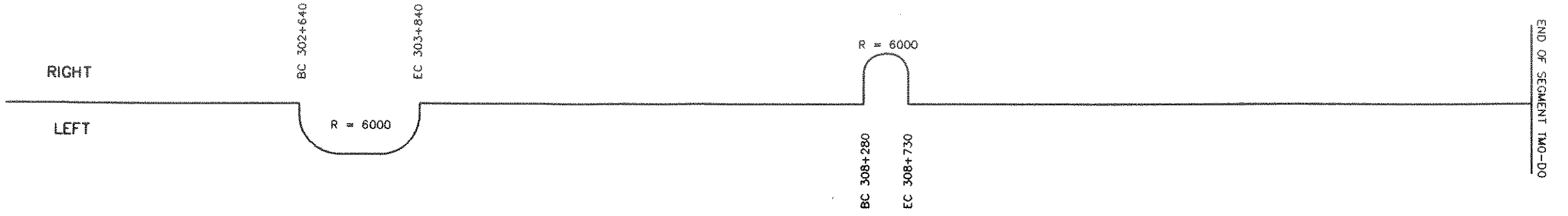
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - TORONTO

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE: TMO-CO

DATE: MAR/93  
 REVISION:  
 SHEET 20 OF 21

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - TORONTO

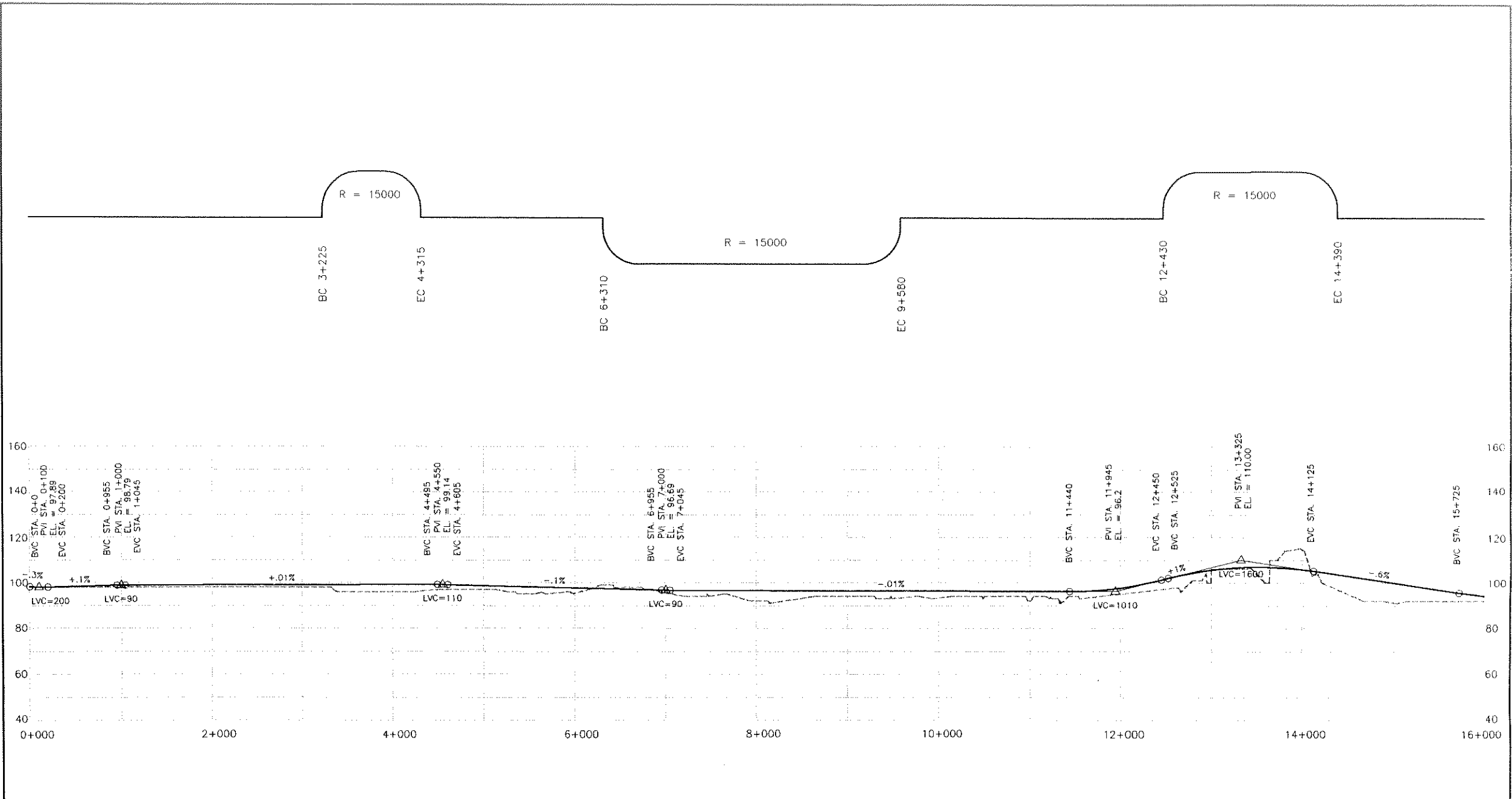
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 SEGMENT CODE: TMO-D0

DATE: MAR/93  
 REVISION:  
 SHEET 21 OF 21

**OVER 300 KPH NON-TILTING TECHNOLOGY IN NEW CORRIDORS**

**RICHMOND - OTTAWA**

10-MAR-93 FILE NAME: D:\0131644\RDV\ACAD11\T0300N01.DWG  
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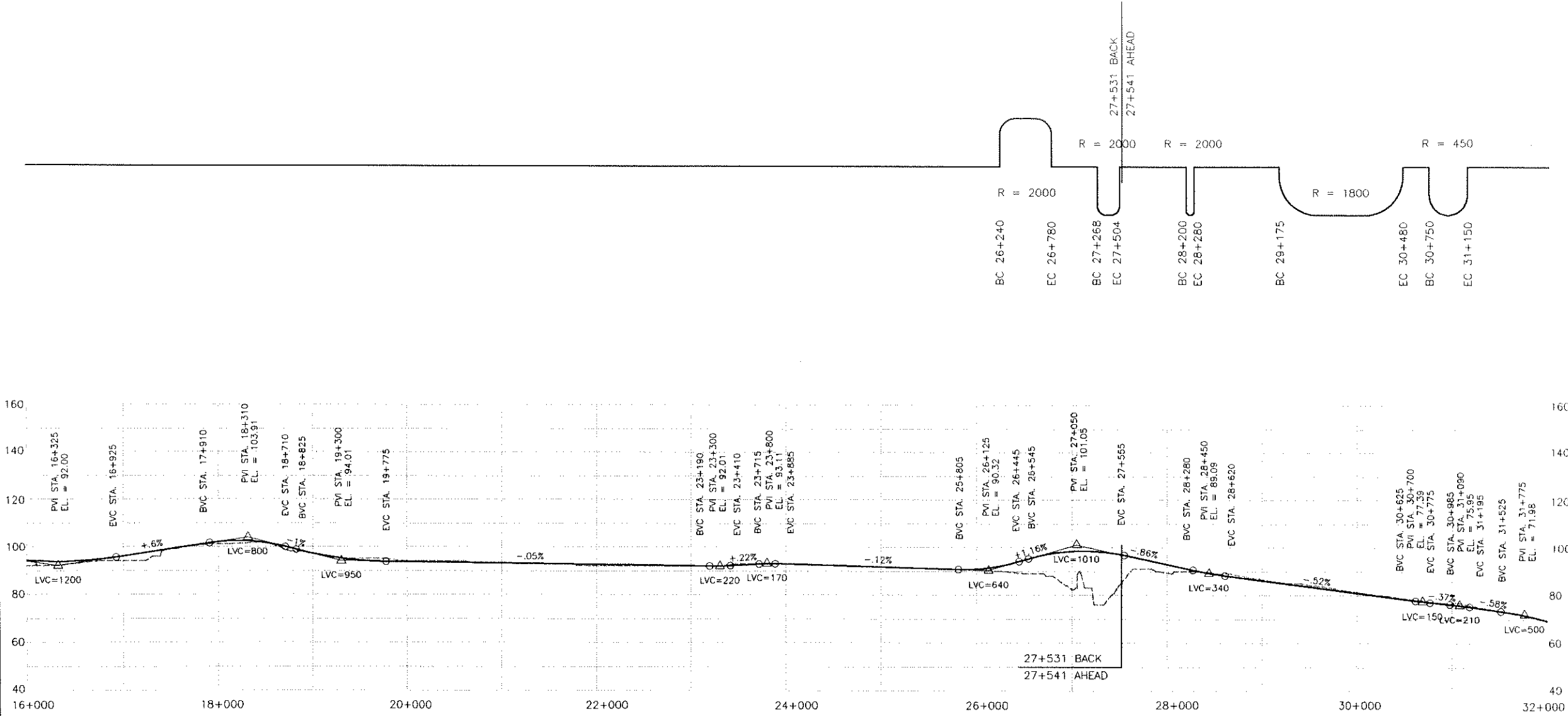
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
VER. 1:2000  
SEGMENT CODE:

DATE: 10/3/1993  
REVISION:  
SHEET 01 OF 15

10-MAR-93 FILE NAME: D:\0131644\RD\ACAD11\T0300N02.DWG  
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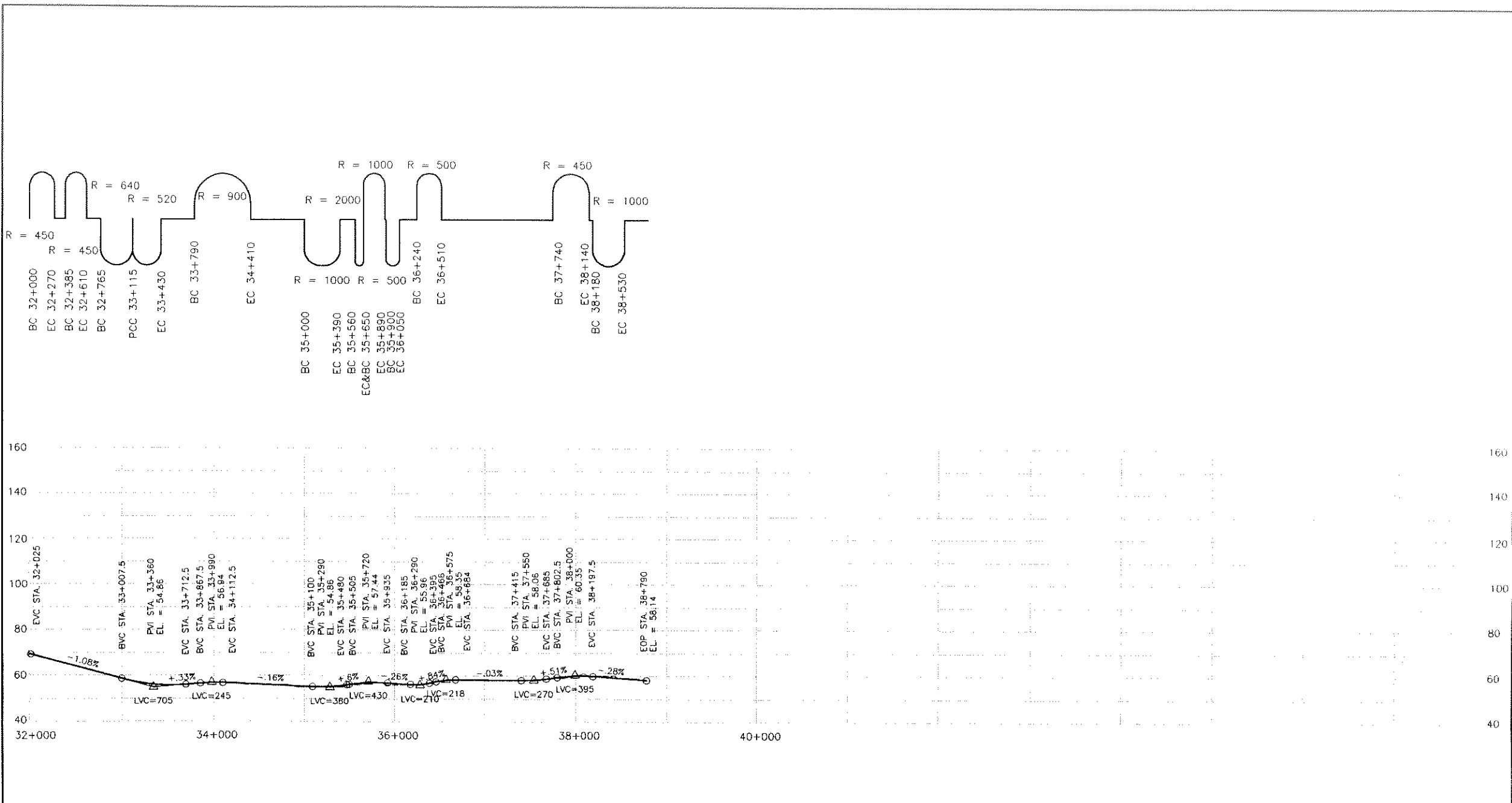


QUEBEC – ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION – MONTREAL

SCALE: HOR. 1:50000  
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SEGMENT CODE:

DATE: 10/3/1993  
REVISION:  
SHEET 02 OF 15



QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

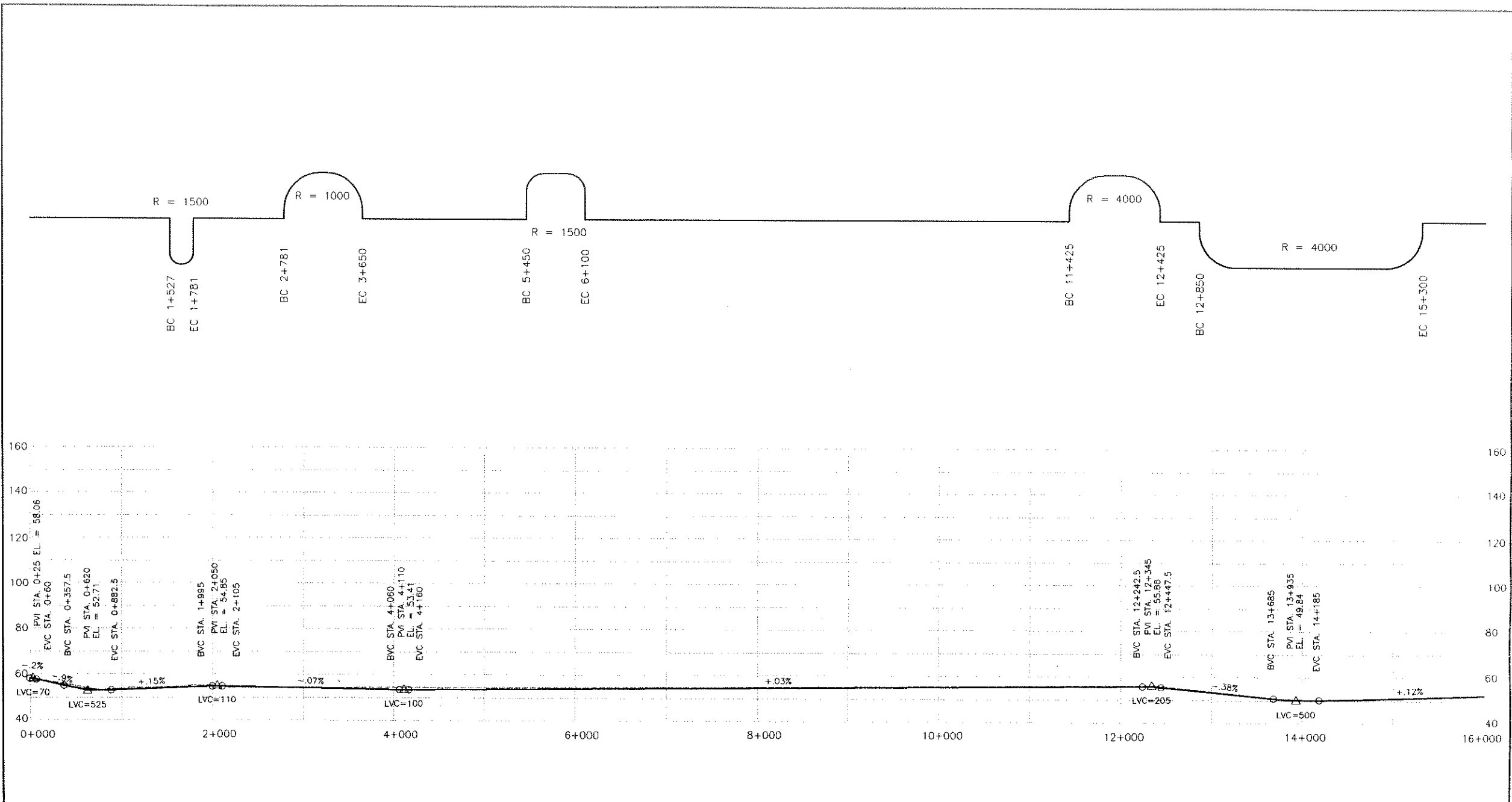
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DATE: 10/3/1993  
REVISION:  
SHEET 03 OF 15

**OVER 300 KPH NON-TILTING TECHNOLOGY IN NEW CORRIDORS**

**OTTAWA - MIRABEL**

10-MAR-93 2:21 PM FILE NAME: D:\0131644\RD\ACAD11\OM300N04.DWG



**QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT**  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

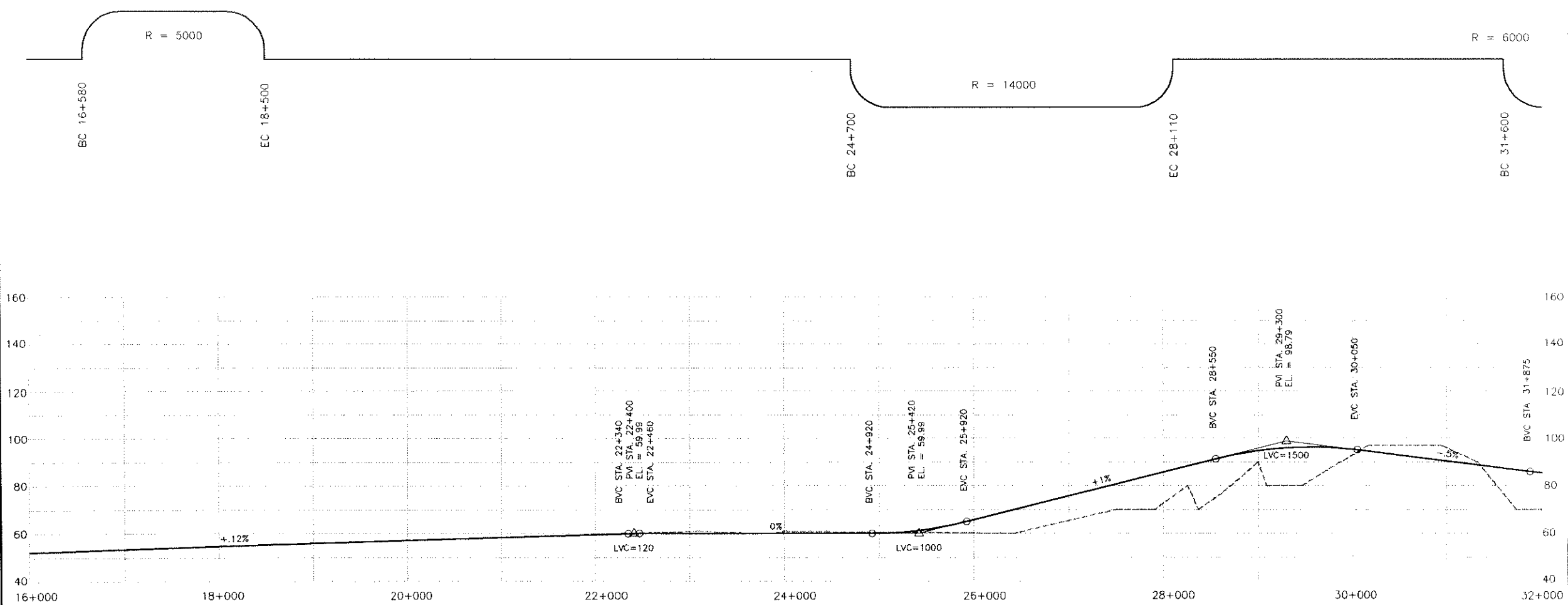
**300 kph PLUS ON NEW ROW**  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 04 OF 12



10-MAR-93 1:48 PM FILE NAME: D:\013164\RD\ACAD11\OM300N05.DWG



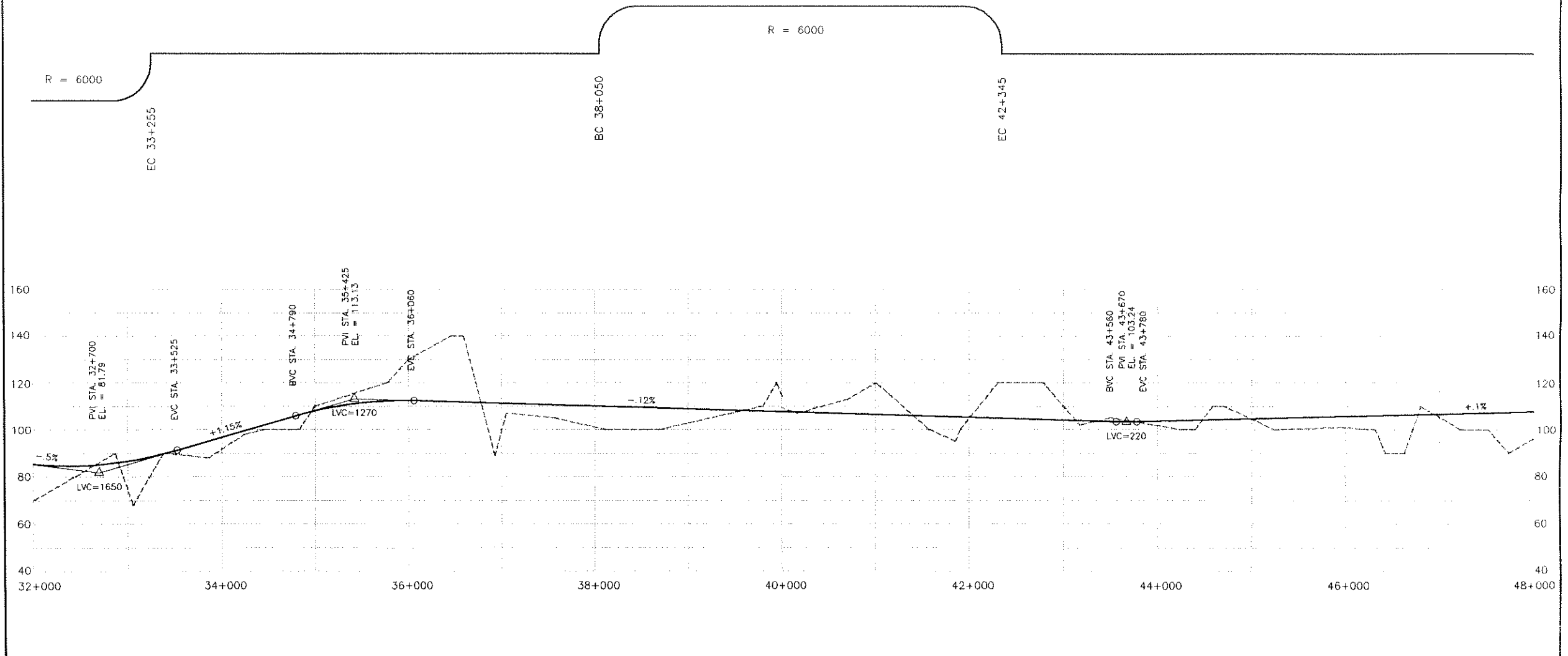
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 05 OF 15

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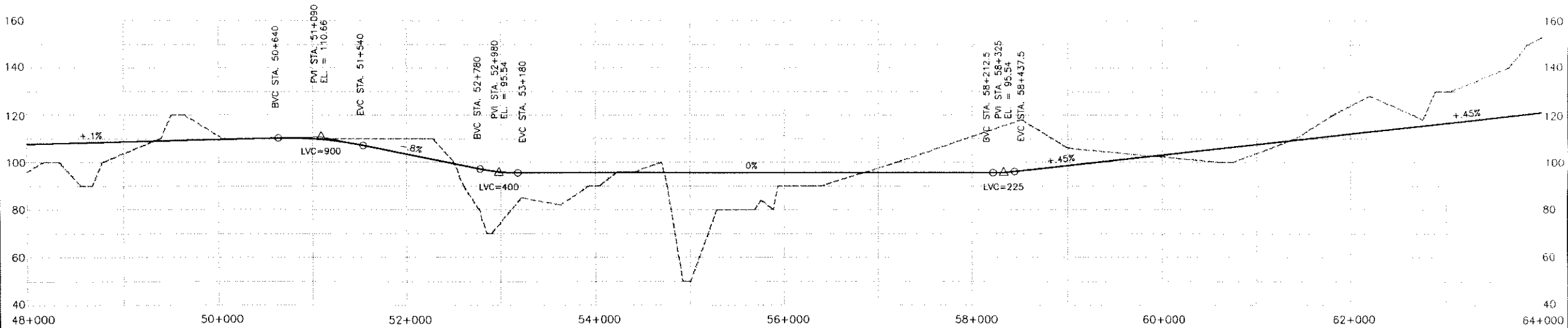
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 06 OF 15

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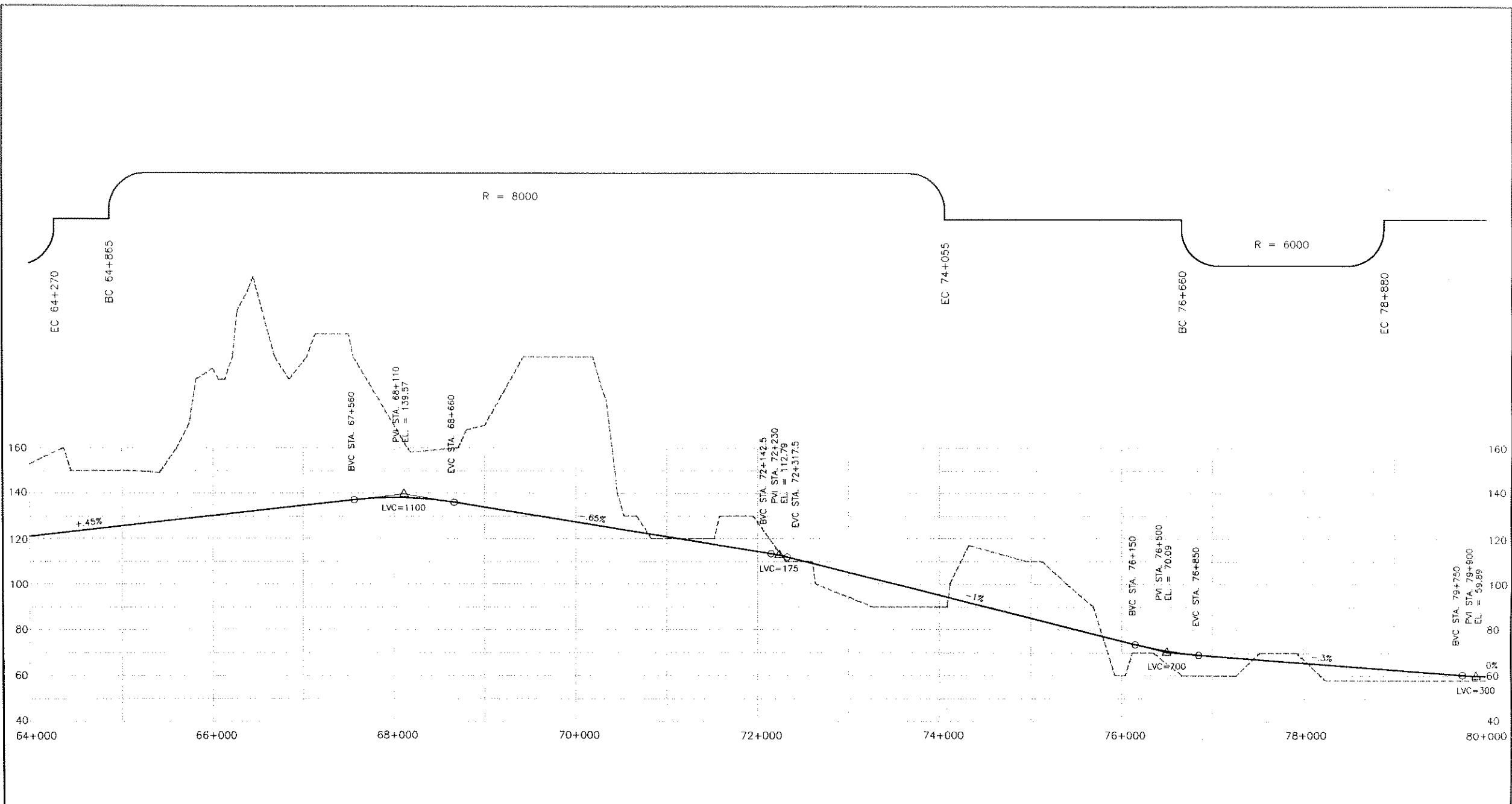
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 07 OF 15

10-MAR-93 FILE NAME: D:\0131644\RD\ACAD11\0M300N08.DWG  
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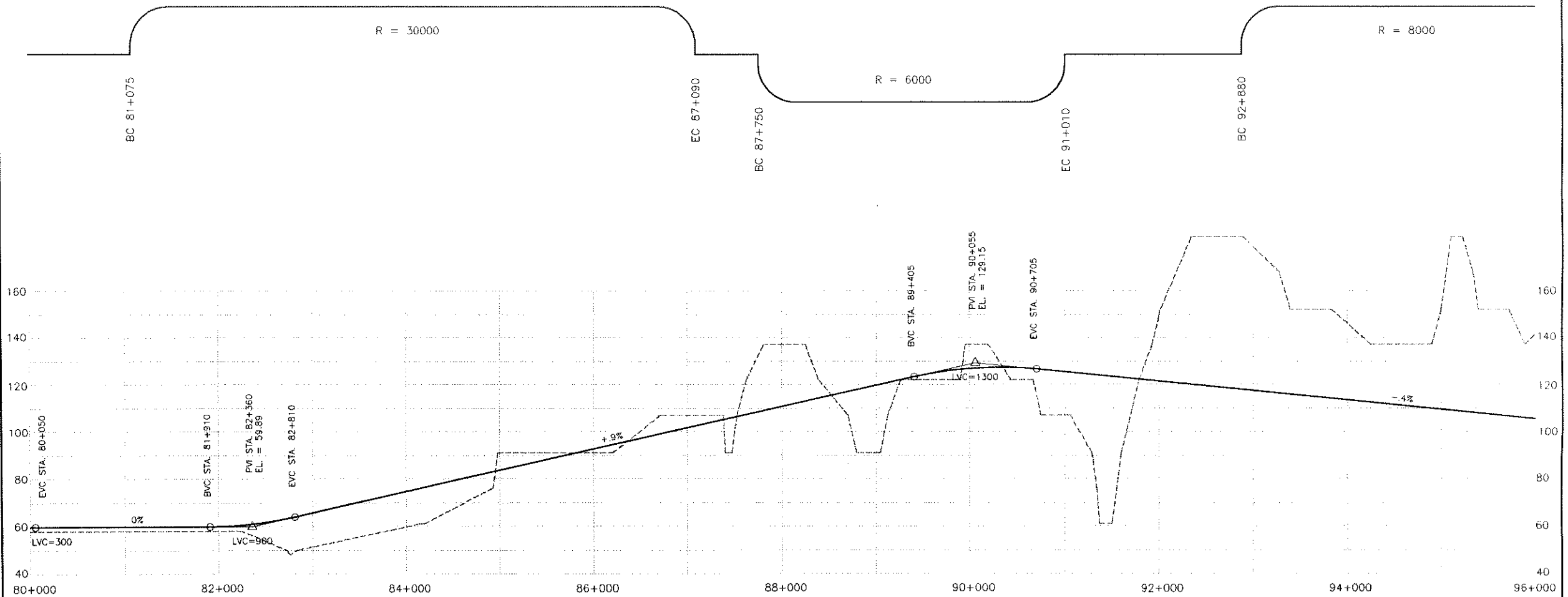
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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REVISION:  
SHEET 08 OF 15

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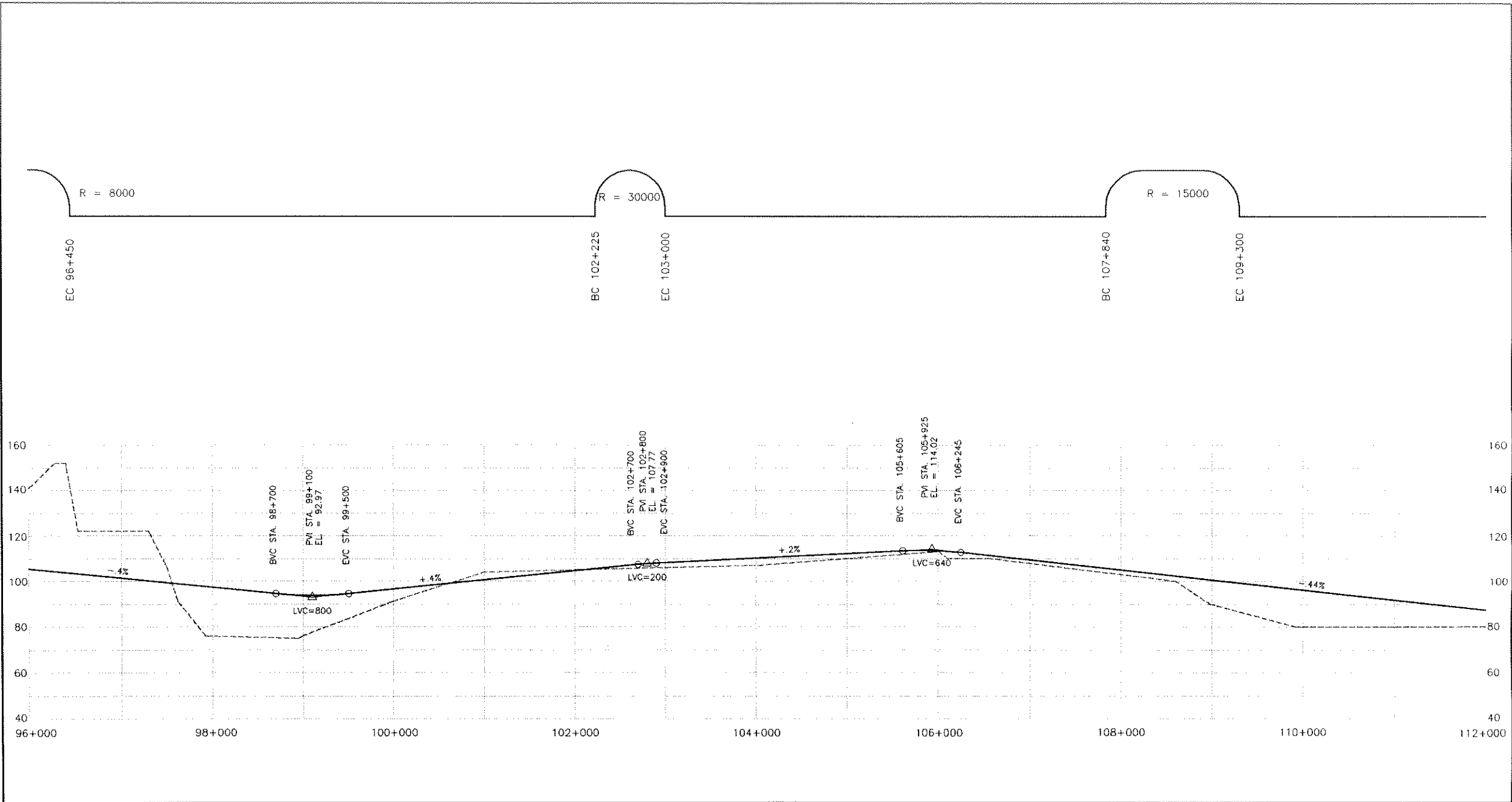
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

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DATE: 10/3/1993  
 REVISION:  
 SHEET 09 OF 15

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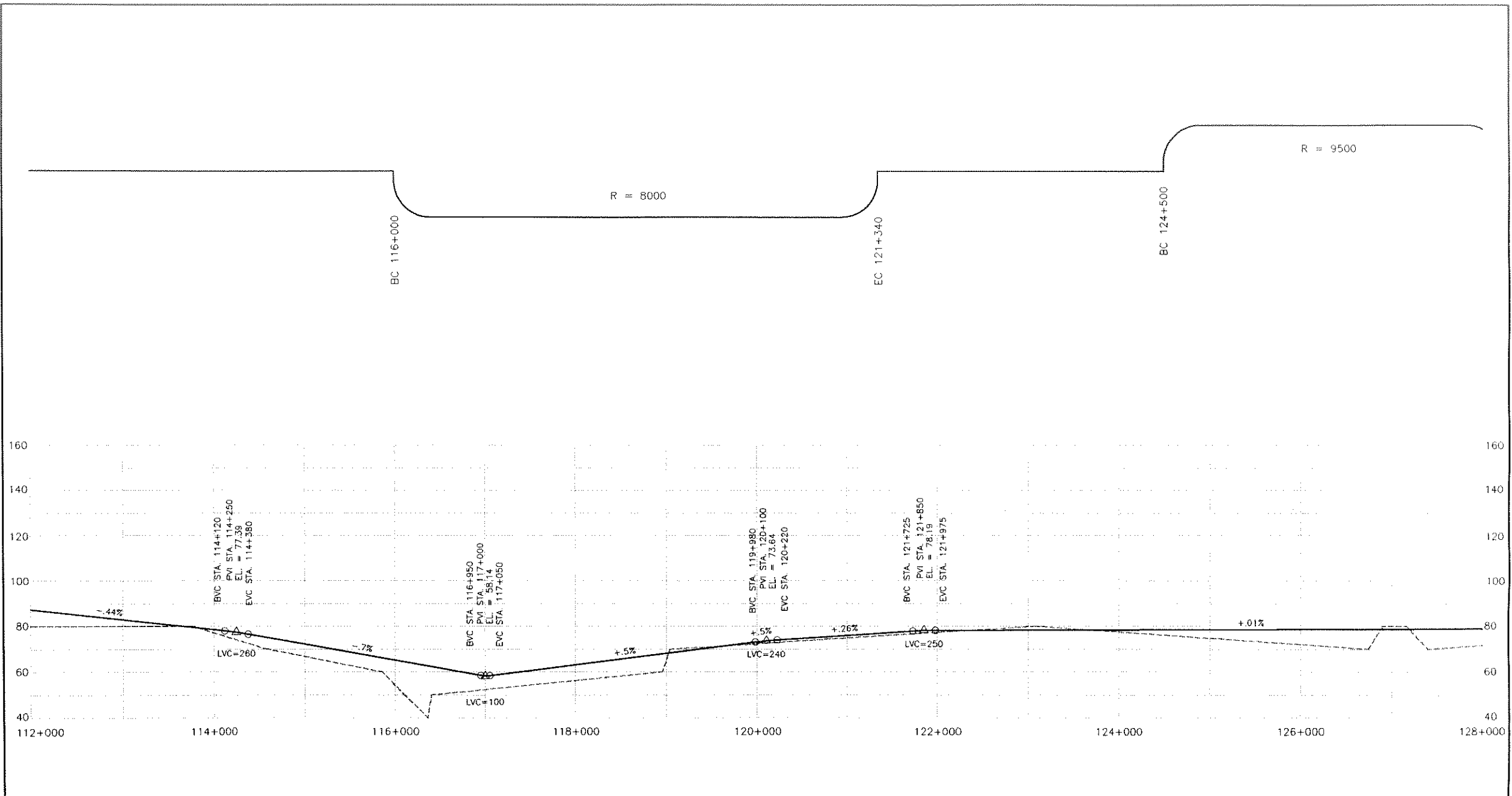
**QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT**  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

**300 kph PLUS ON NEW ROW**  
**REPRESENTATIVE ROUTE**  
**NATIONAL CAPITAL REGION - MONTREAL**

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 10 OF 15

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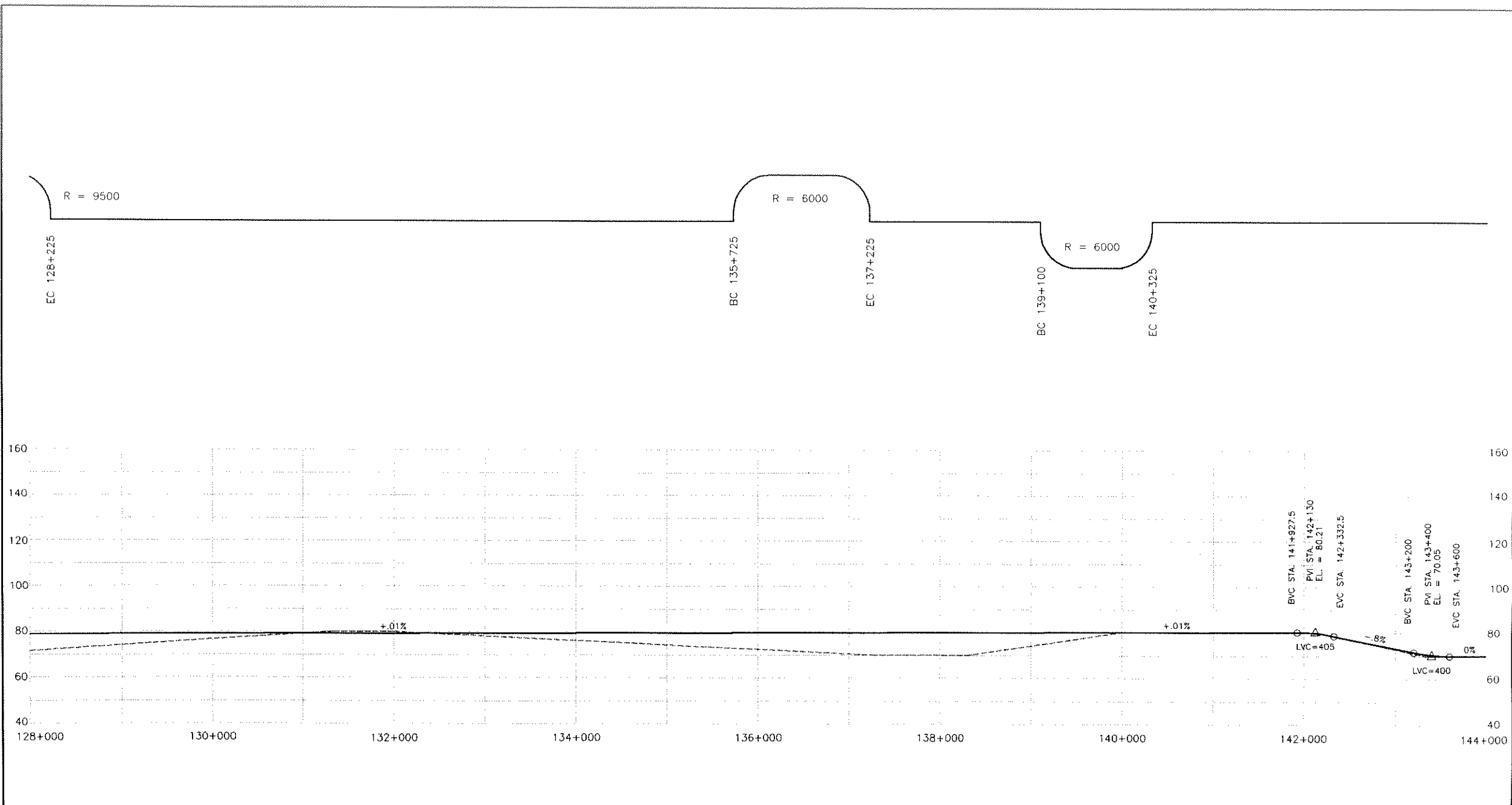
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 11 OF 15

10-MAR-93 FILE NAME: D:\0131644\RD\ACAD11\OM300N12.DWG  
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**QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT**  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

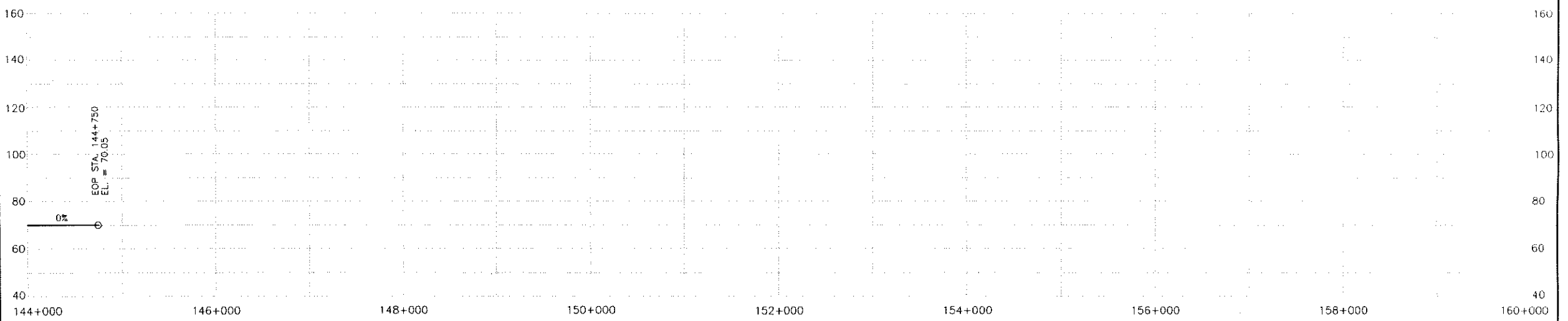
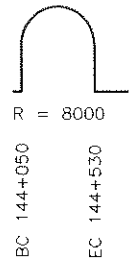
**300 kph PLUS ON NEW ROW**  
**REPRESENTATIVE ROUTE**  
**NATIONAL CAPITAL REGION - MONTREAL**

SCALE: HOR. 1:50000  
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REVISION:  
SHEET 12 OF 15



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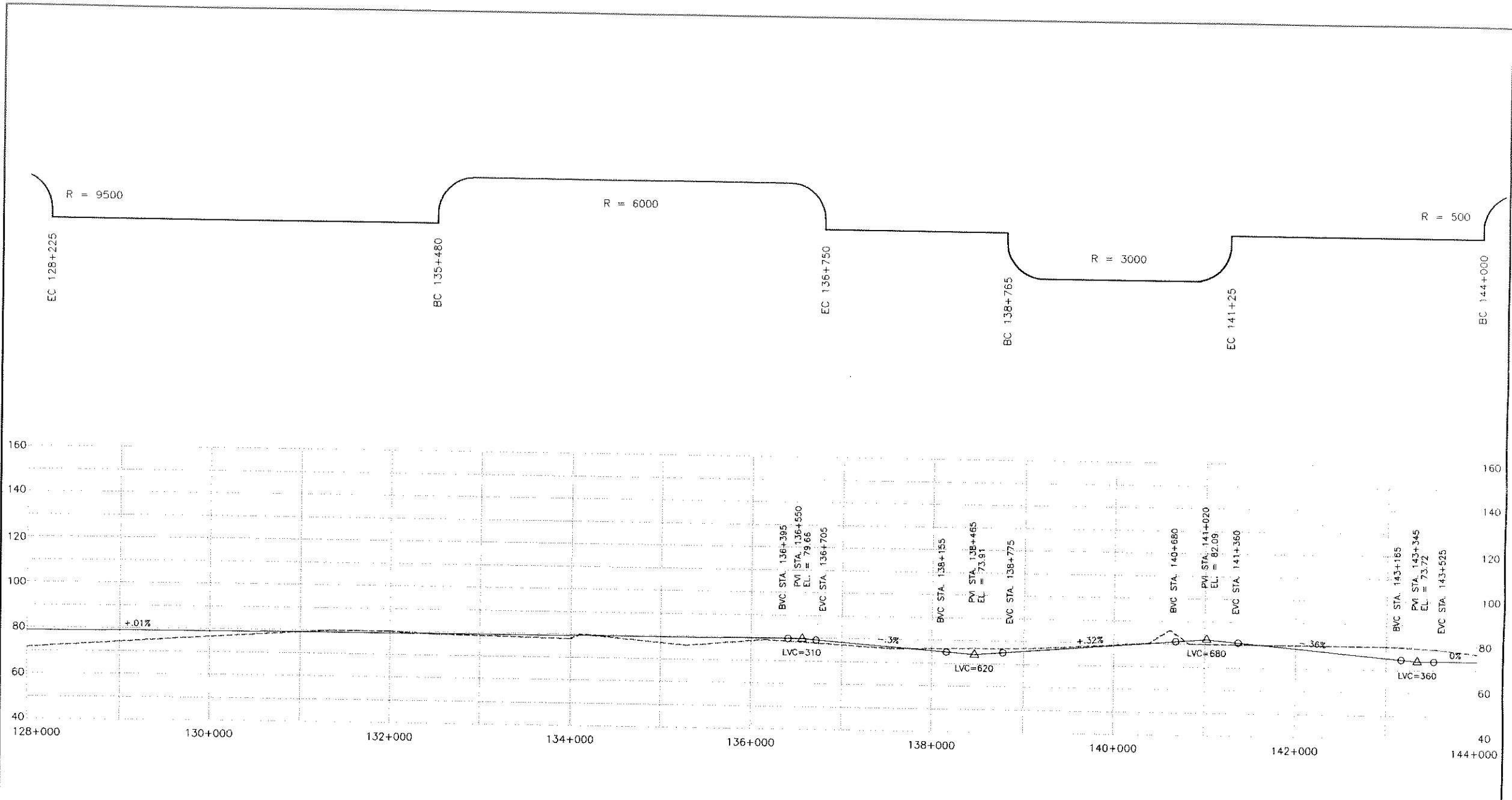
QUEBEC — ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
REPRESENTATIVE ROUTE  
NATIONAL CAPITAL REGION — MONTREAL

SCALE: HOR. 1:50000  
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SHEET 13 OF 15

10-MAR-93 FILE NAME: D:\013164A\RD\ACAD11\OM300N14.DWG 3:26 PM



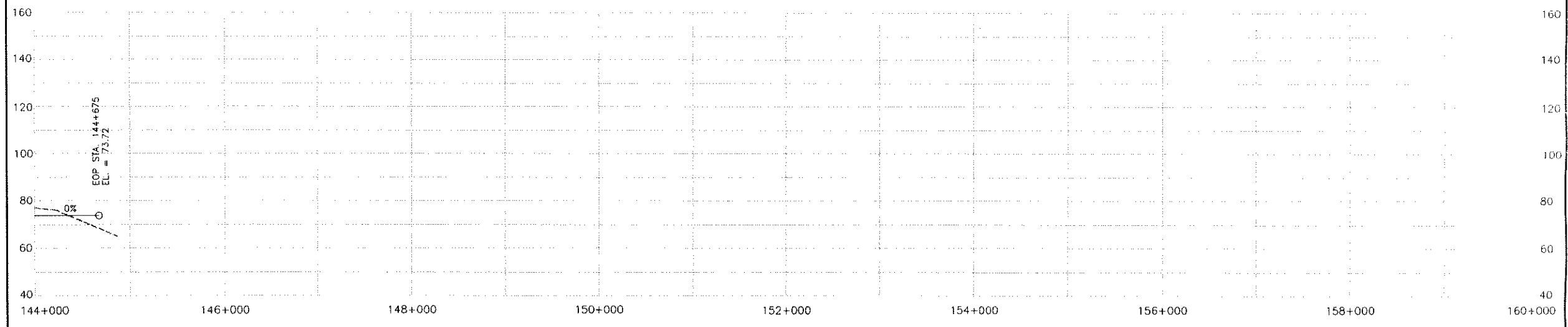
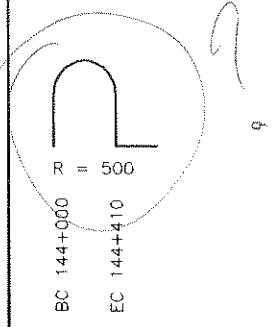
QUEBEC - ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

300 kph PLUS ON NEW ROW  
 REPRESENTATIVE ROUTE  
 NATIONAL CAPITAL REGION - MONTREAL

SCALE: HOR. 1:50000  
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DATE: 10/3/1993  
 REVISION:  
 SHEET 14 OF 15

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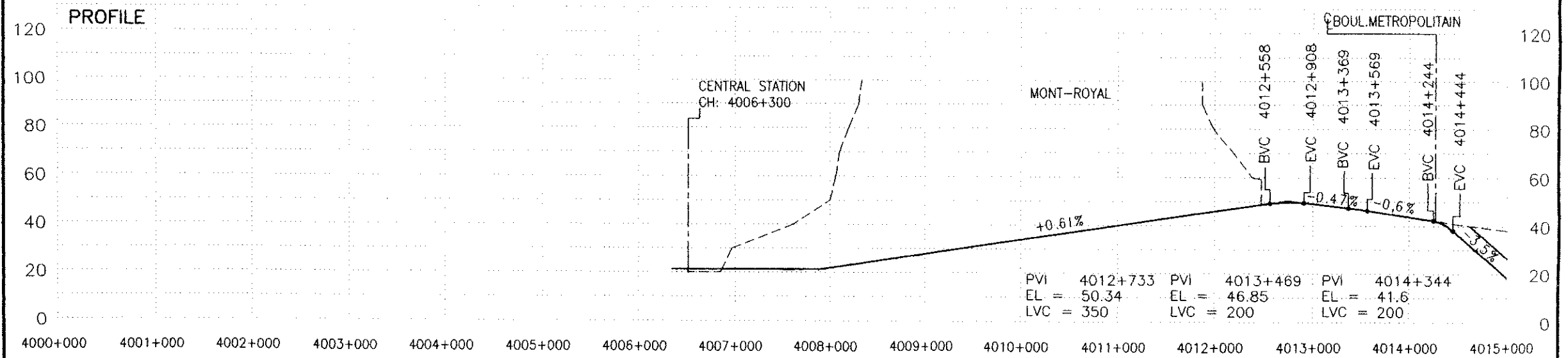
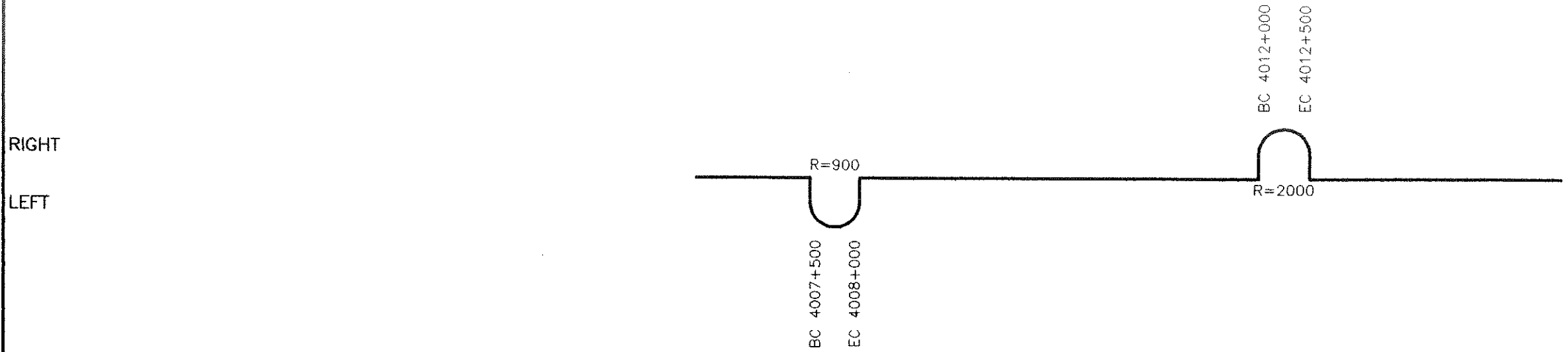


<b>QUEBEC – ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>300 kph PLUS ON NEW ROW</b> <b>REPRESENTATIVE ROUTE</b> <b>NATIONAL CAPITAL REGION – MONTREAL</b>	SCALE: HOR. 1:50000	DATE: 10/3/1993
		VER. 1:2000	REVISION:
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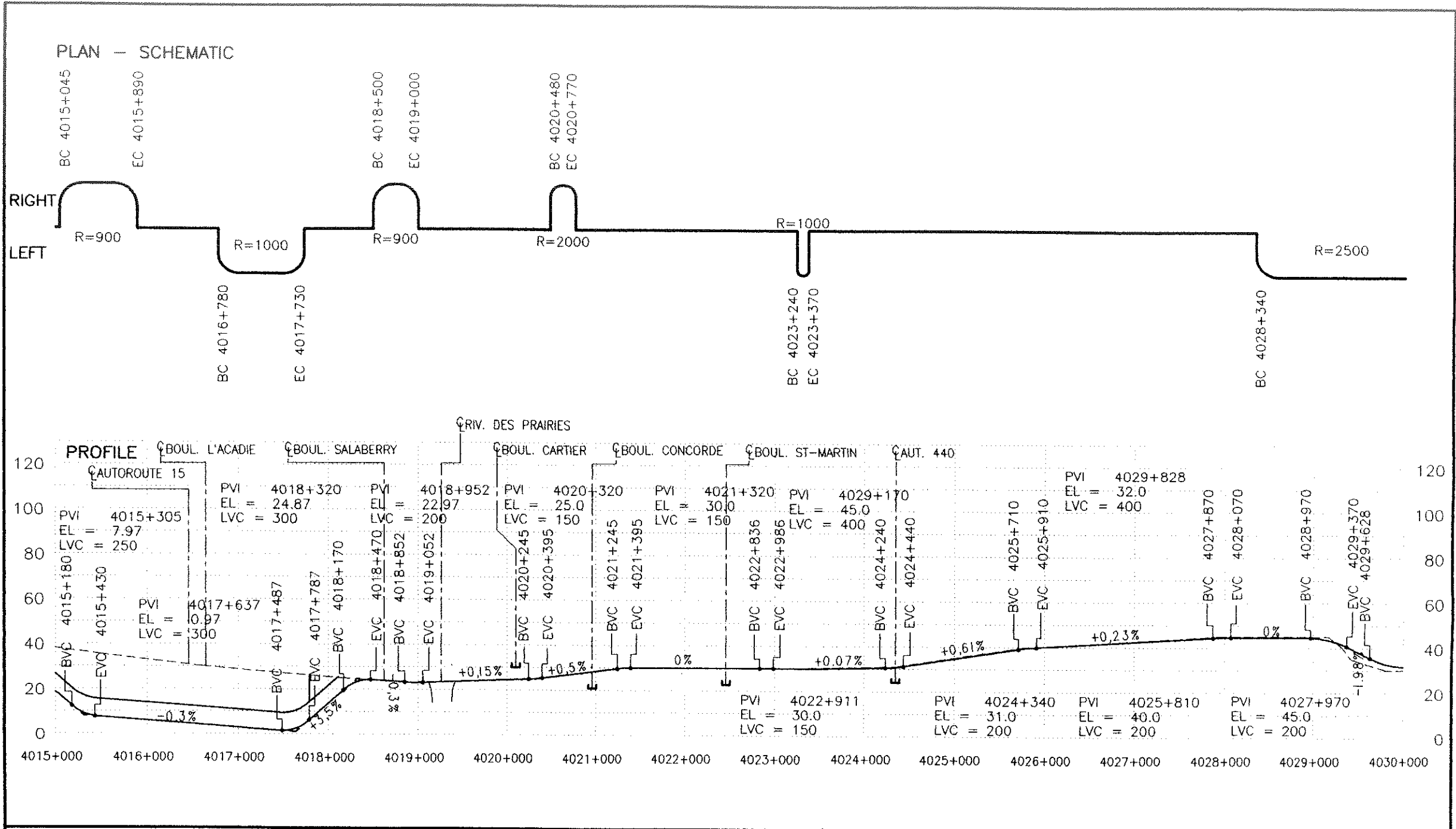
**OVER 300 KPH NON-TILTING TECHNOLOGY IN NEW CORRIDORS**

**MIRABEL - MONTREAL**

PLAN - SCHEMATIC

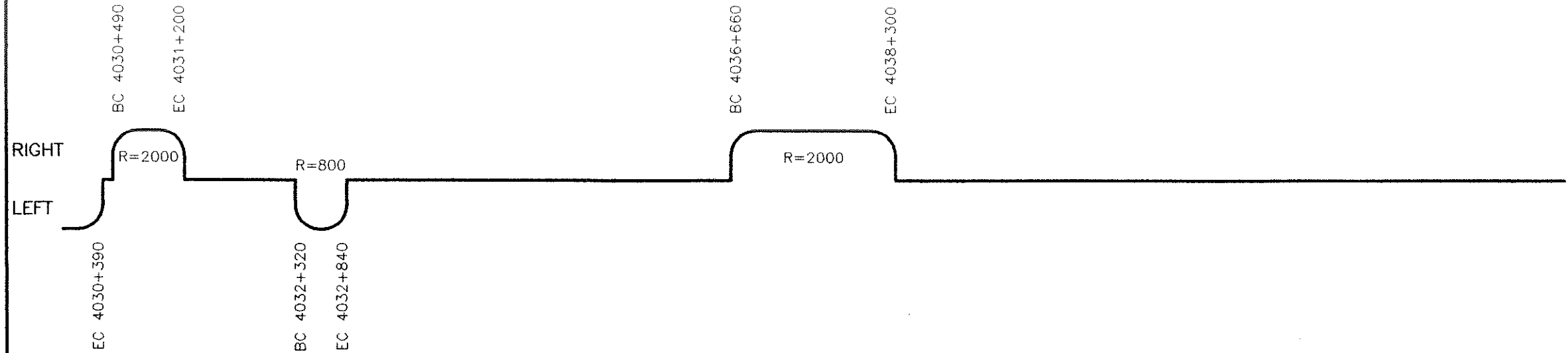


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON NEW ROW REPRESENTATIVE ROUTE MONTREAL - MIRABEL	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE:	SHEET 1 OF 4

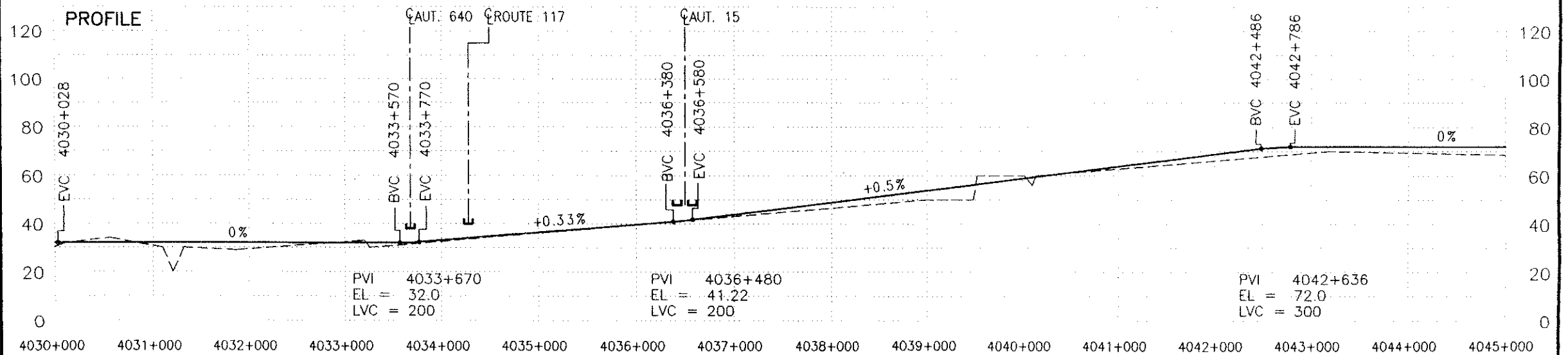


<b>QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT</b> PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	<b>OVER 300 kph ON NEW ROW</b> REPRESENTATIVE ROUTE MONTREAL - MIRABEL	<b>SCALE: HOR. 1:50 000</b>	<b>DATE: MAR/93</b>
		<b>VER. 1:2000</b>	<b>REVISION:</b>
		<b>SEGMENT CODE:</b>	<b>SHEET 2 OF 4</b>

PLAN - SCHEMATIC



PROFILE



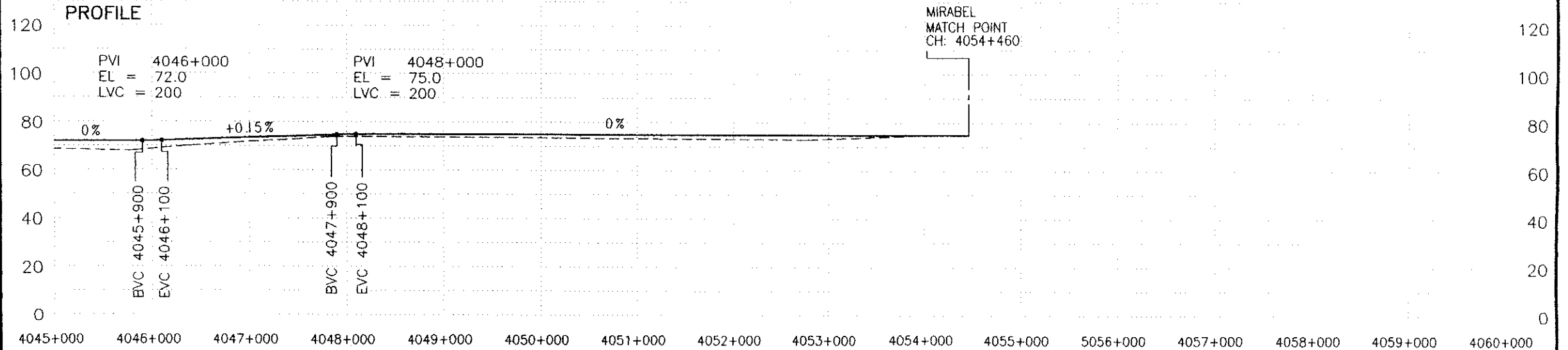
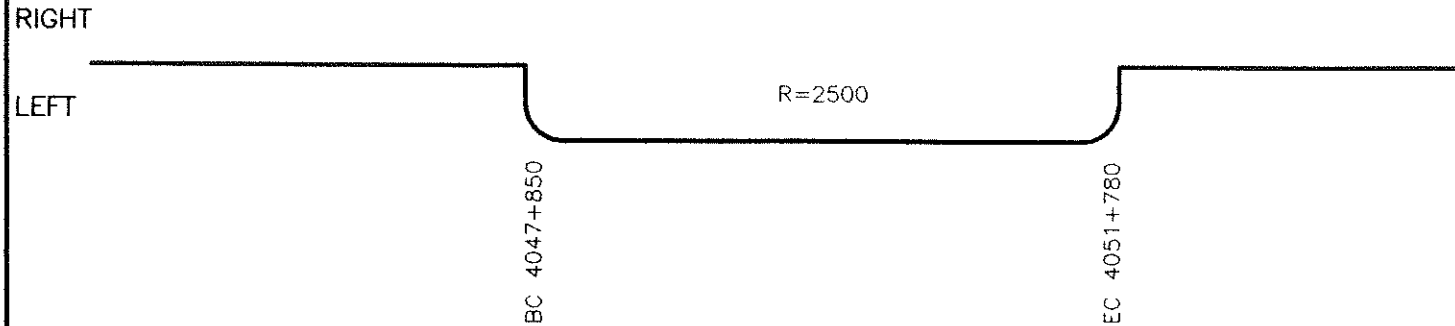
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - MIRABEL

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 3 OF 4

PLAN — SCHEMATIC



QUEBEC—ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL — MIRABEL

SCALE: HOR. 1:50 000  
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DATE: MAR/93

REVISION:

SEGMENT CODE:

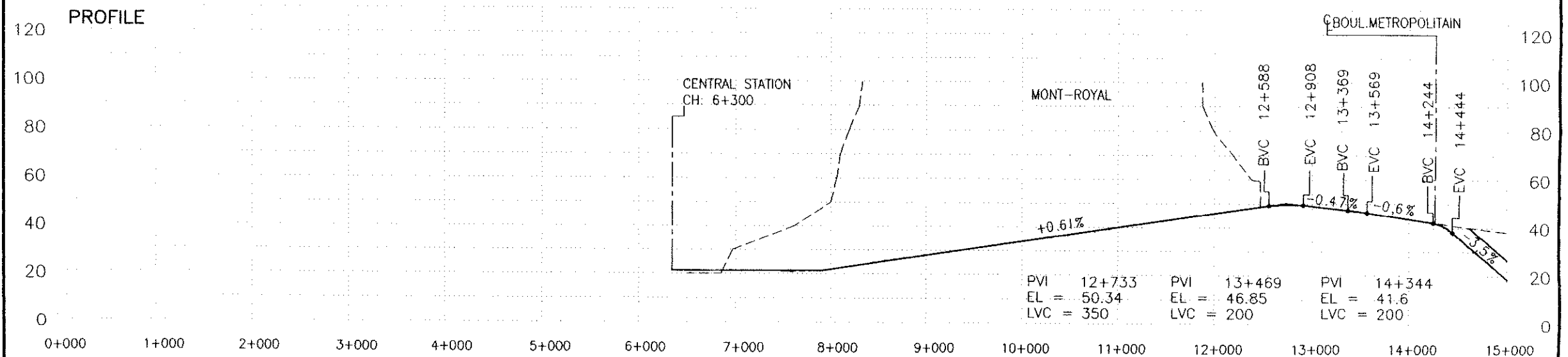
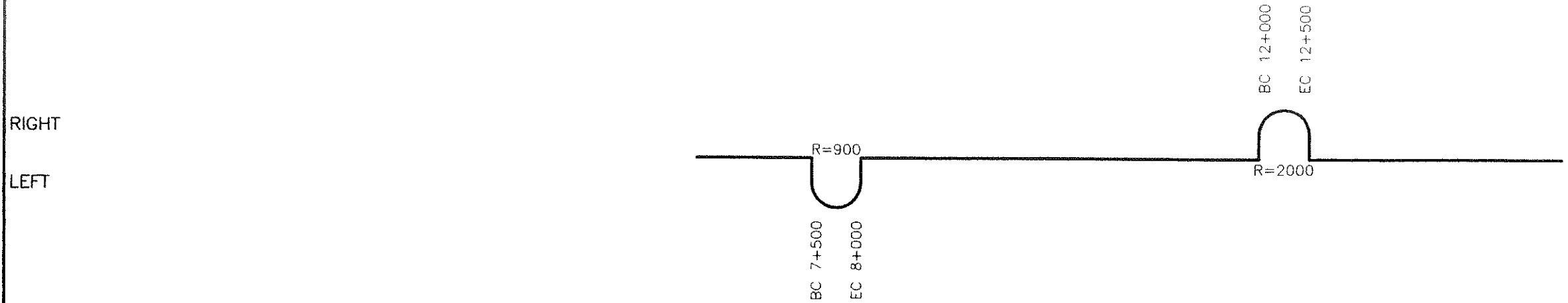
SHEET 4 OF 4



**OVER 300 KPH NON-TILTING TECHNOLOGY IN NEW CORRIDORS**

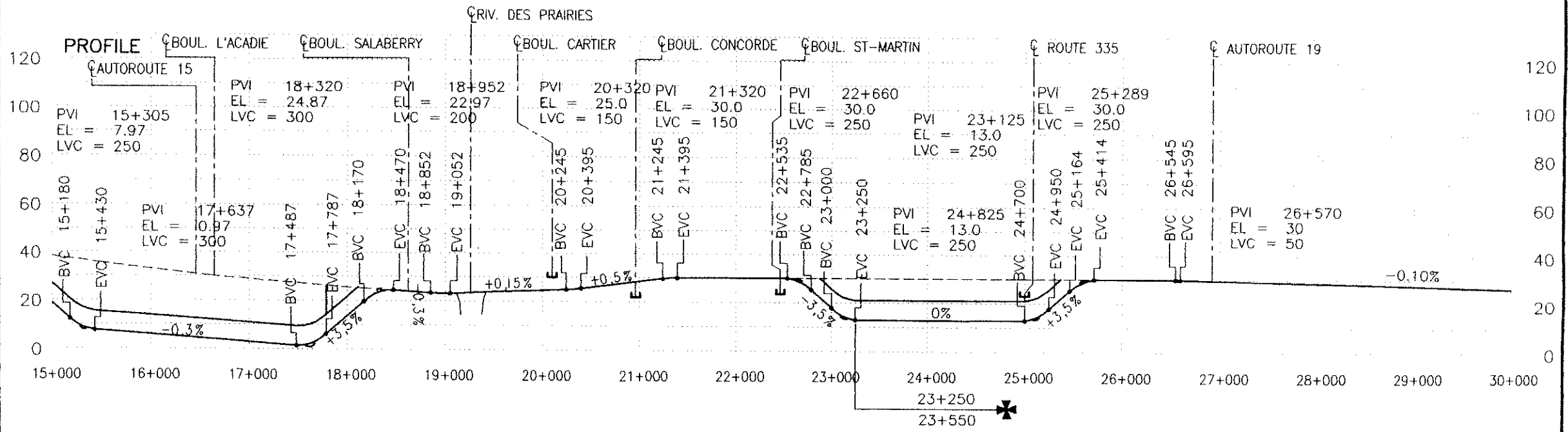
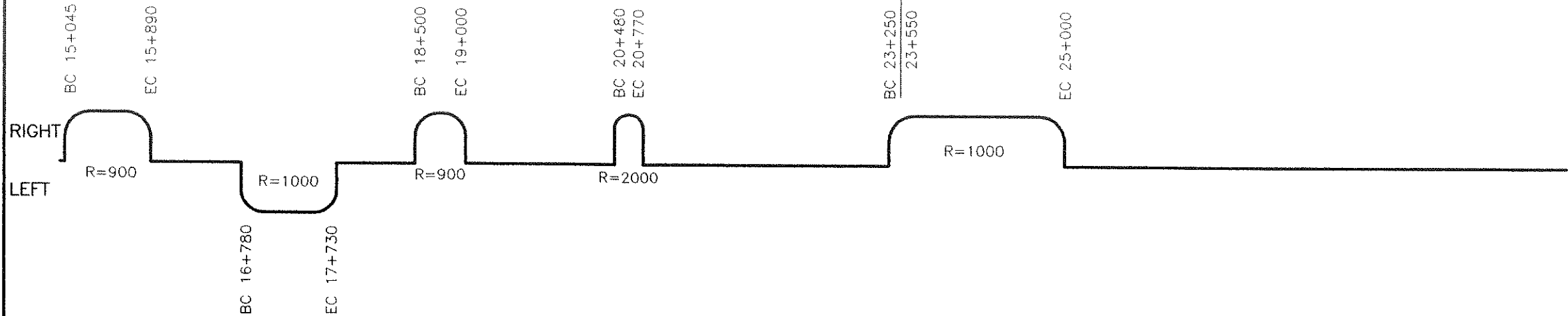
**MONTREAL - QUEBEC**

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON NEW ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE:	SHEET 1 OF 19

PLAN - SCHEMATIC



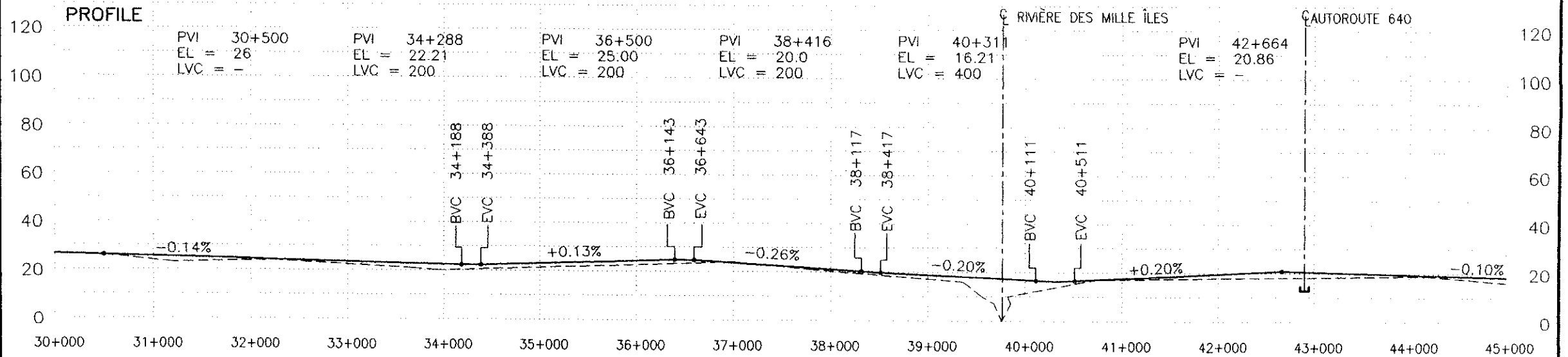
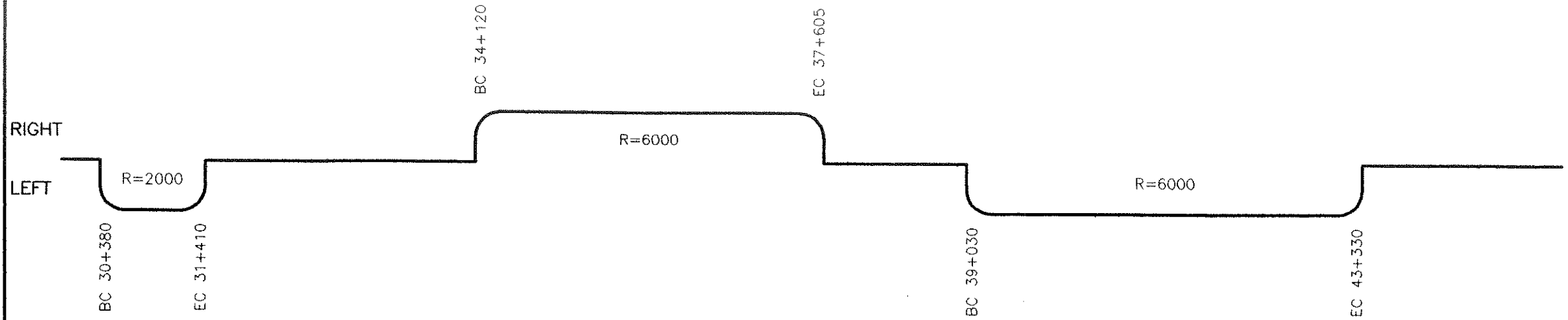
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 2 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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DATE: MAR/93

REVISION:

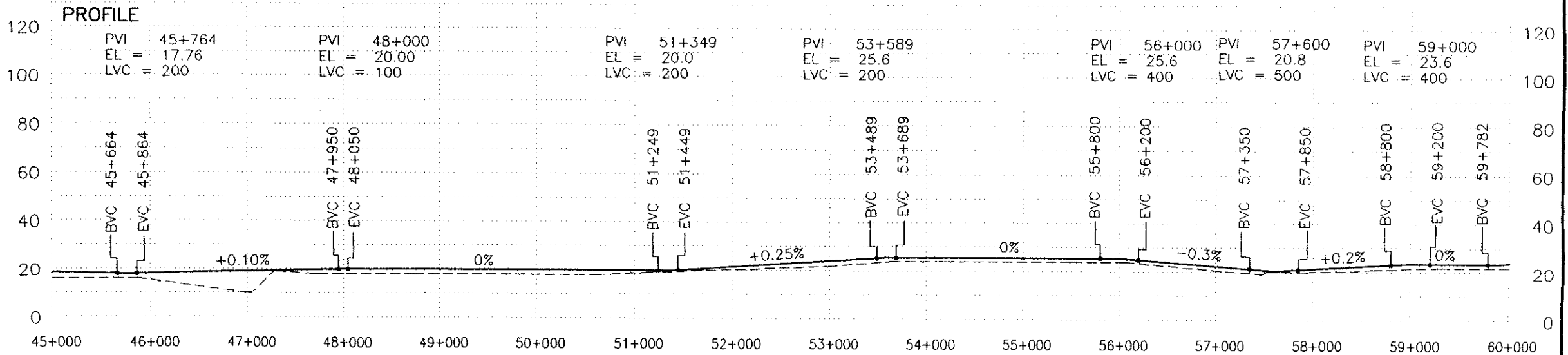
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SHEET 3 OF 19

PLAN - SCHEMATIC

RIGHT

LEFT

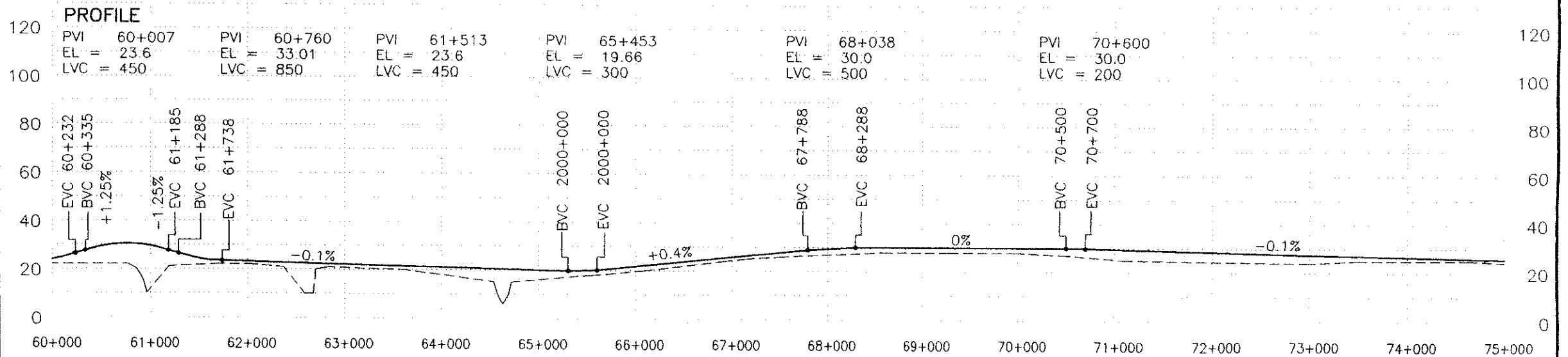


QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON NEW ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE:	SHEET 4 OF 19

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000

VER. 1:2000

SEGMENT CODE:

DATE: MAR/93

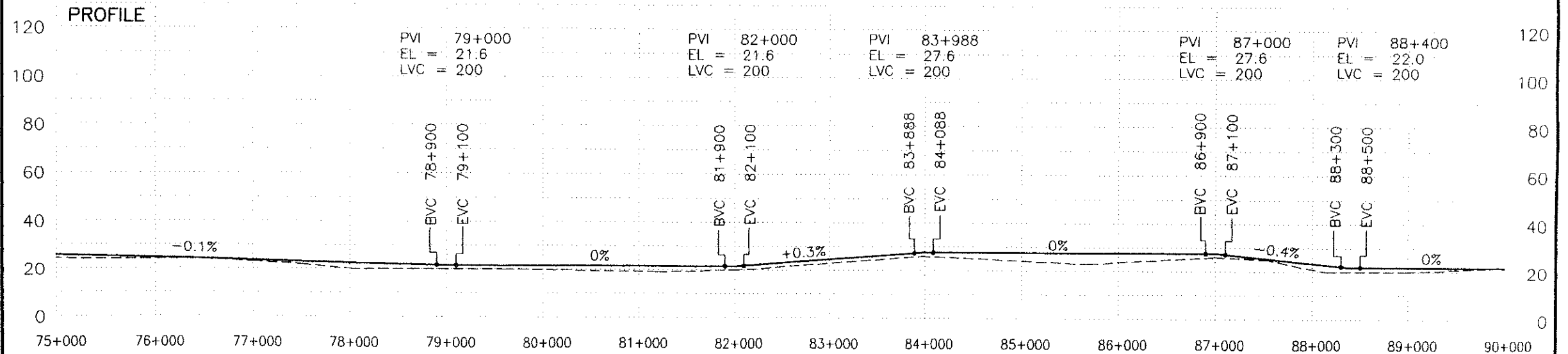
REVISION:

SHEET 5 OF 19

PLAN - SCHEMATIC

RIGHT

LEFT



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000

VER. 1:2000

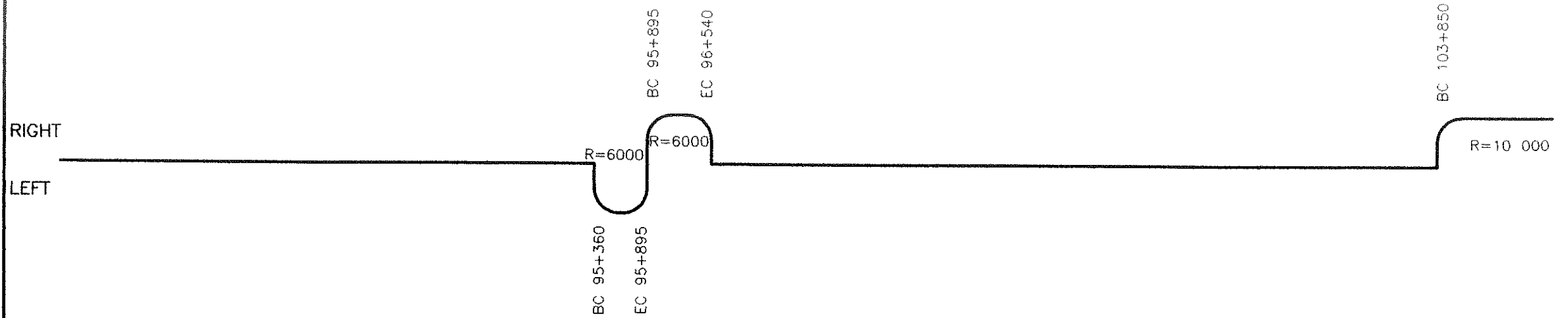
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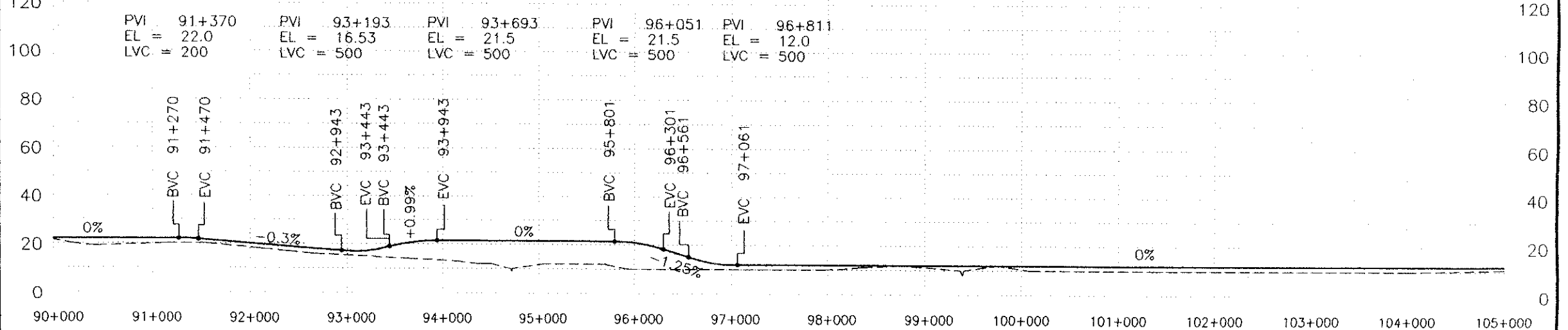
REVISION:

SHEET 6 OF 19

PLAN - SCHEMATIC



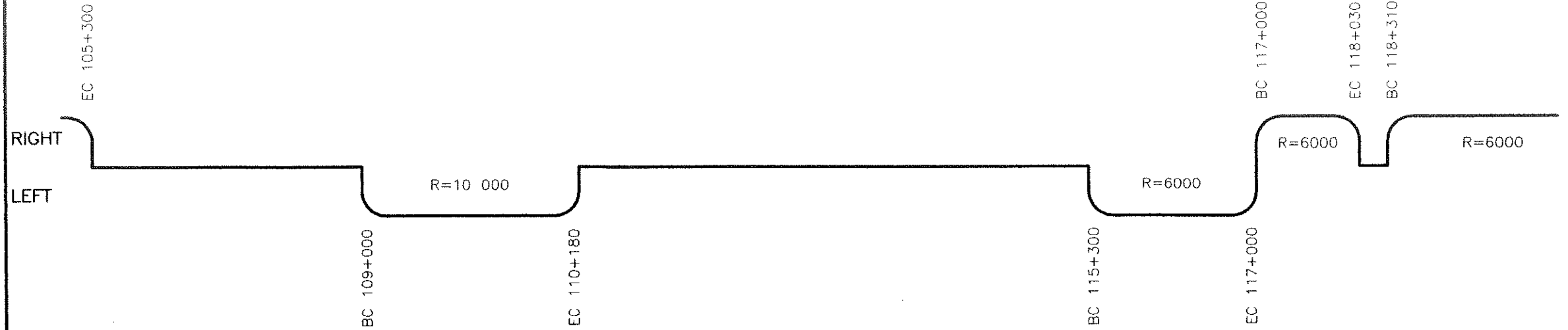
PROFILE



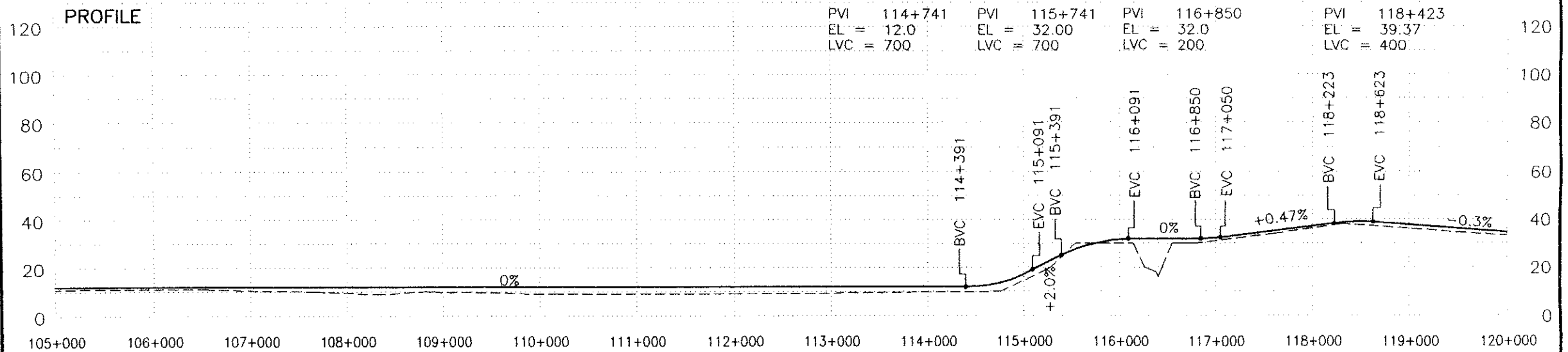
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON NEW ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
		VER. 1:2000	REVISION:
		SEGMENT CODE:	SHEET 7 OF 19



PLAN - SCHEMATIC



PROFILE



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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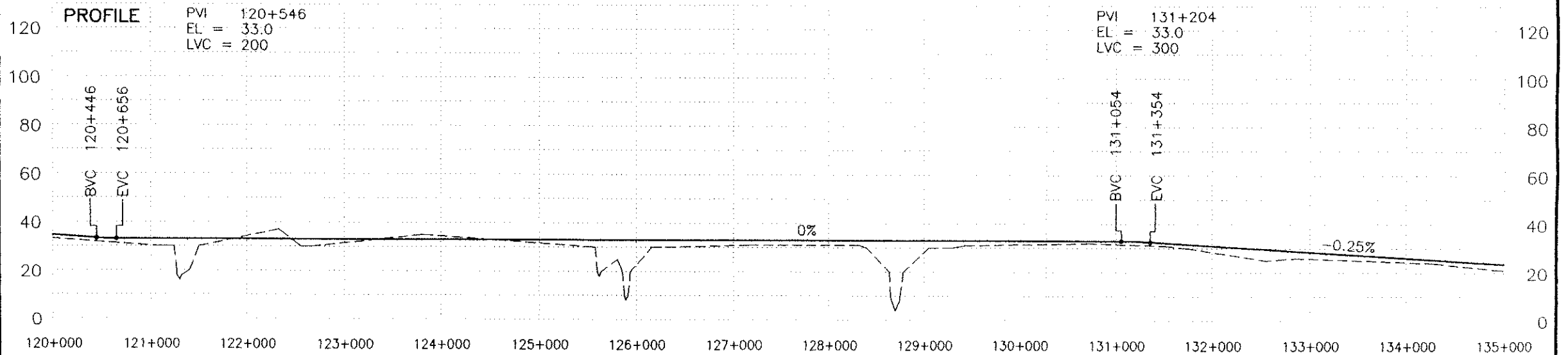
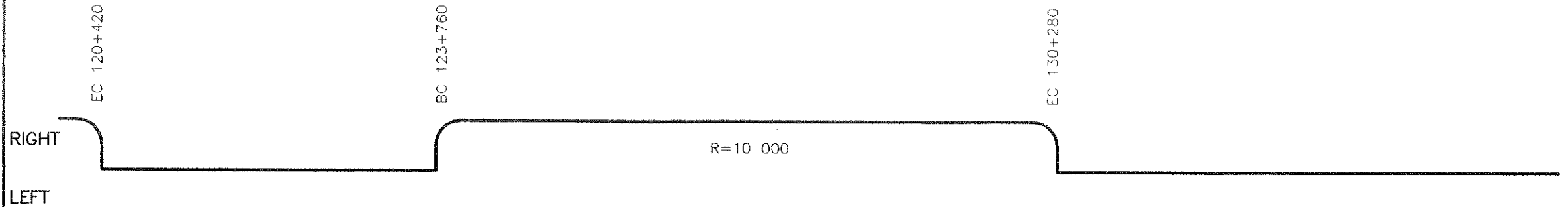
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DATE: MAR/93

REVISION:

SHEET 8 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
REPRESENTATIVE ROUTE  
MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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SEGMENT CODE:

DATE: MAR/93  
REVISION:  
SHEET 9 OF 19

PLAN - SCHEMATIC

RIGHT

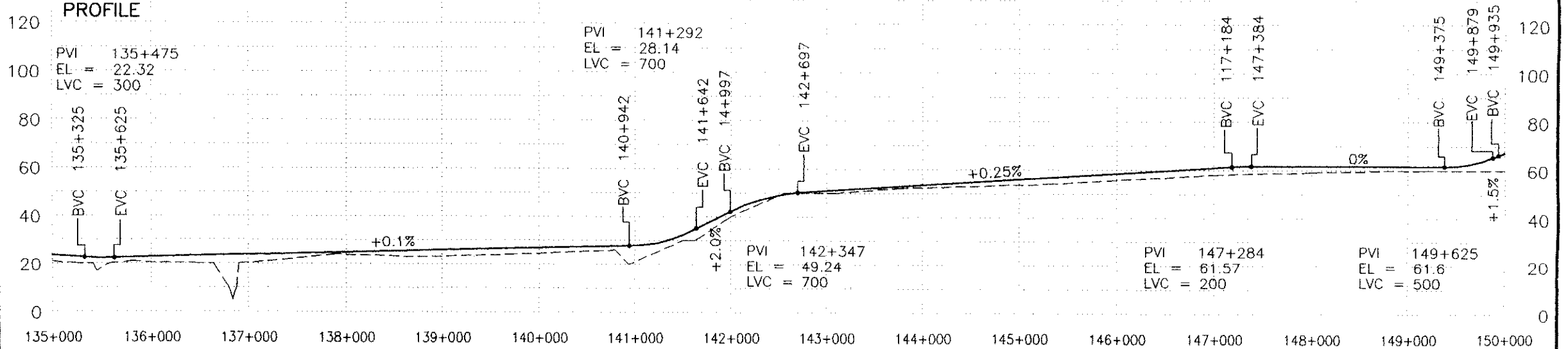
LEFT

R=17 000

BC 136+020

EC 149+520

PROFILE



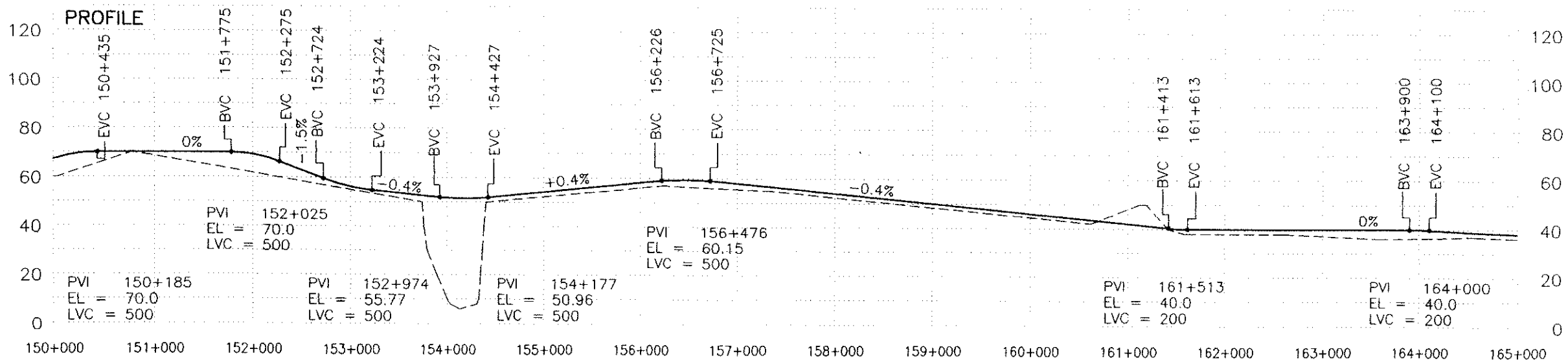
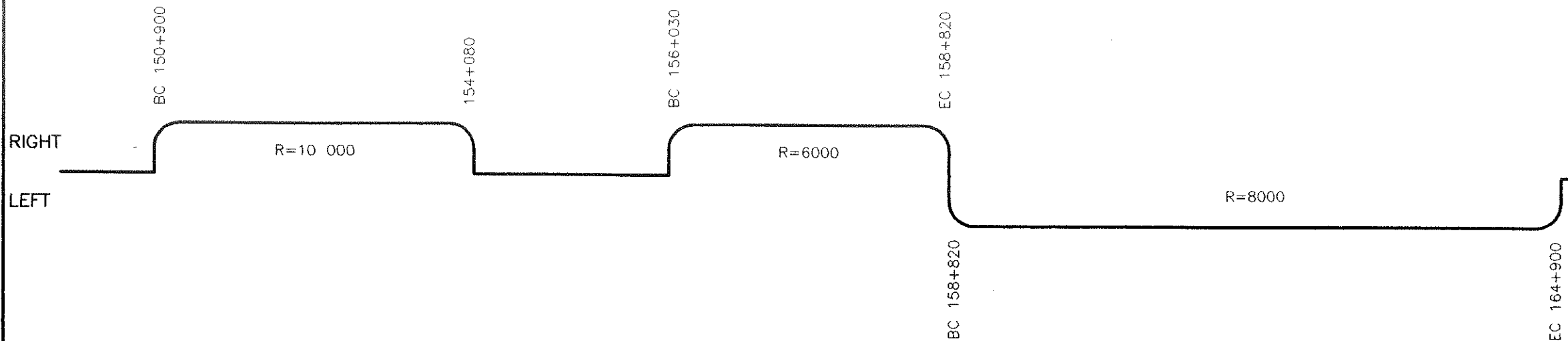
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

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DATE: MAR/93  
 REVISION:  
 SHEET 10 OF 19

PLAN - SCHEMATIC



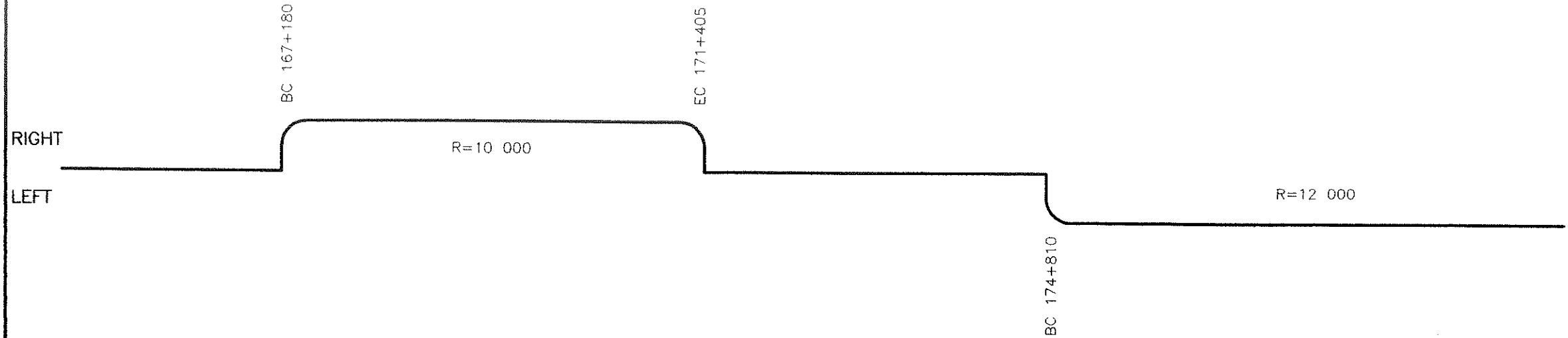
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

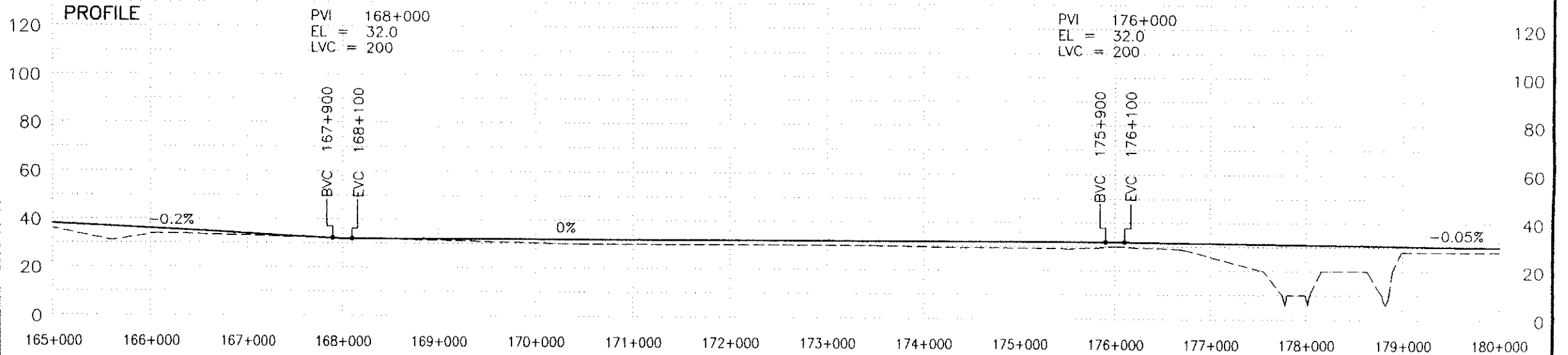
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 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 11 OF 19

PLAN — SCHEMATIC



PROFILE



QUEBEC—ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL — QUEBEC

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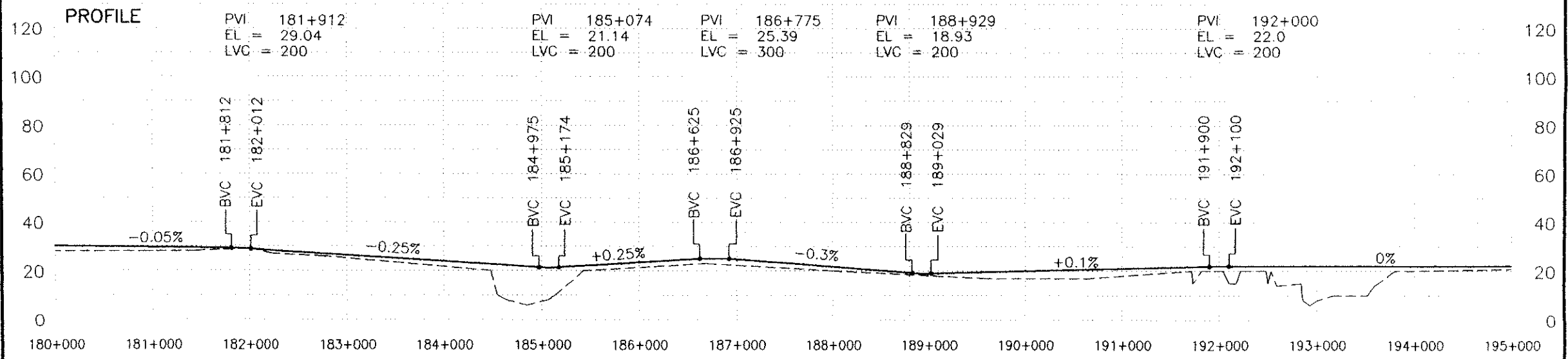
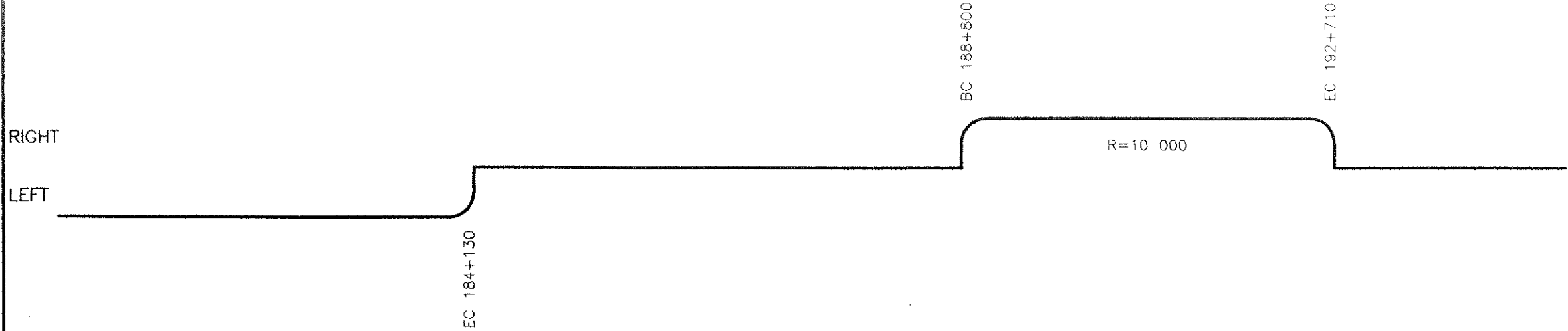
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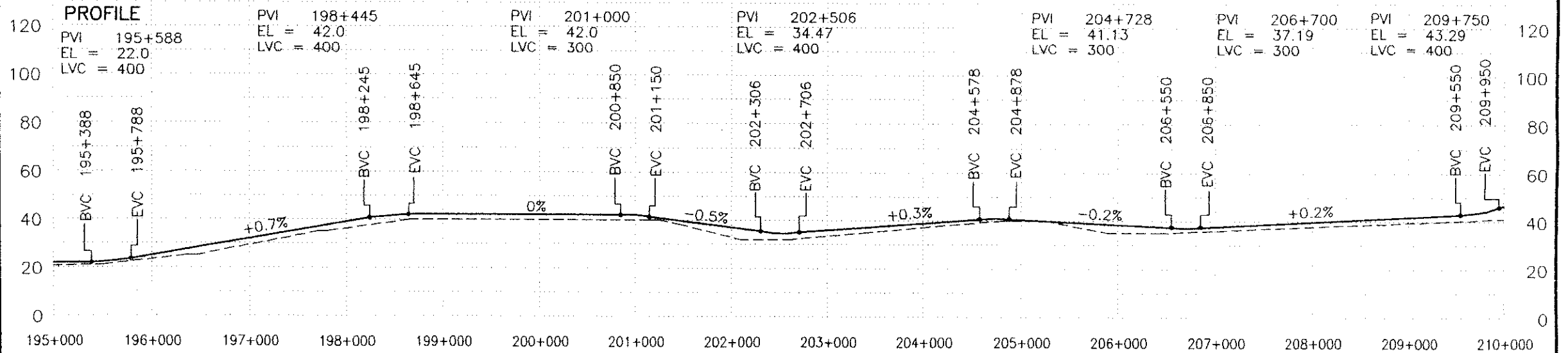
SHEET 12 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY SCHEMATIC PLAN AND PROFILE	OVER 300 kph ON NEW ROW REPRESENTATIVE ROUTE MONTREAL - QUEBEC	SCALE: HOR. 1:50 000	DATE: MAR/93
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		SEGMENT CODE:	SHEET 13 OF 19

PLAN - SCHEMATIC



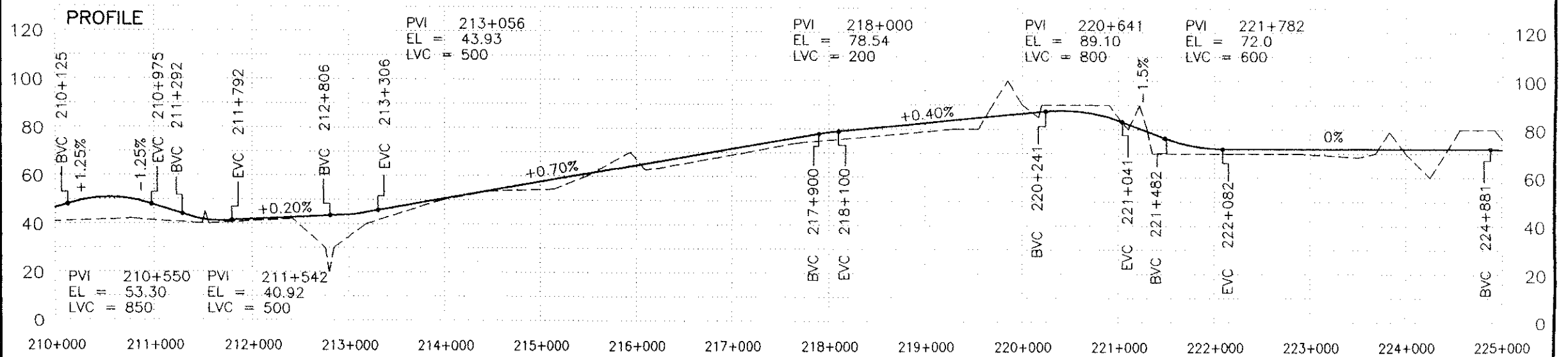
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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DATE: MAR/93  
 REVISION:  
 SHEET 14 OF 19

PLAN - SCHEMATIC



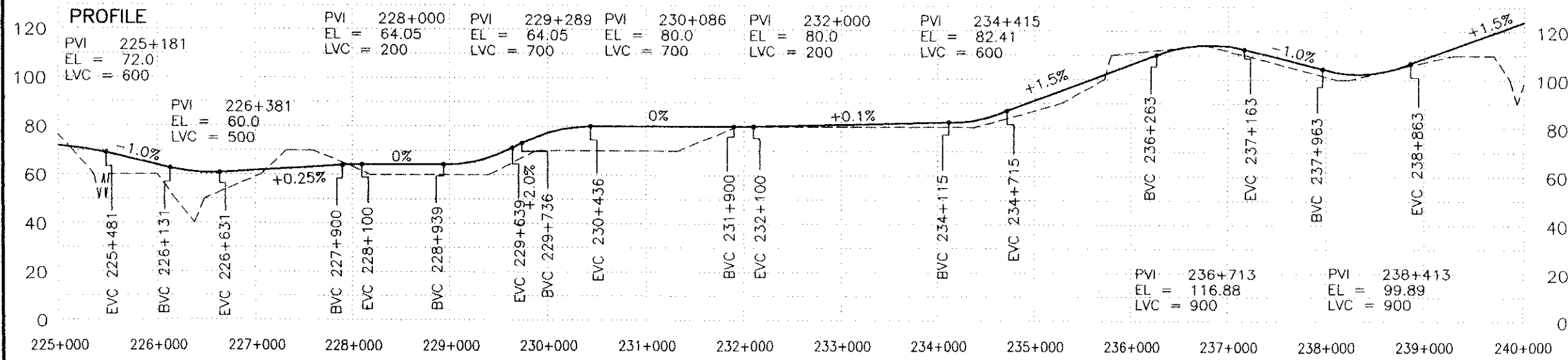
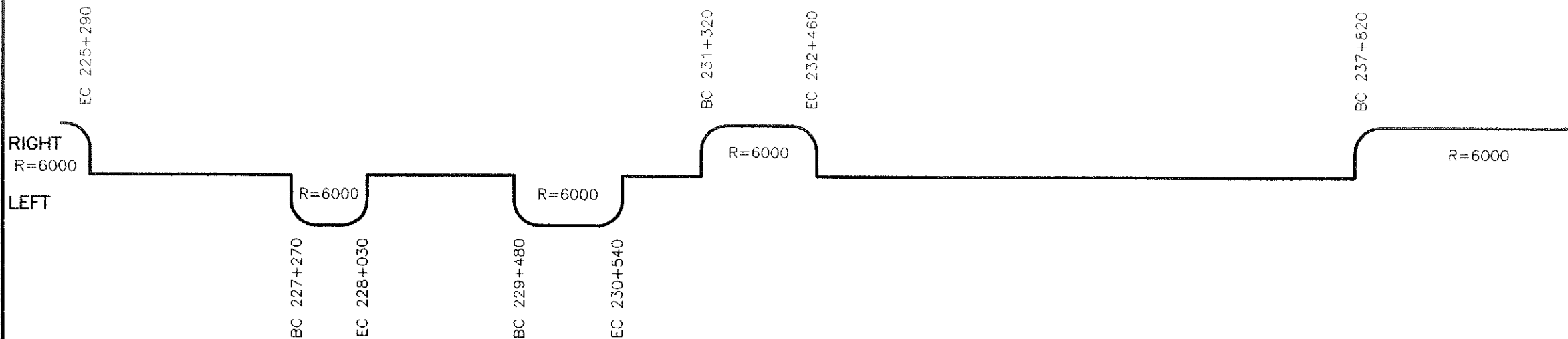
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000	DATE: MAR/93
VER. 1:2000	REVISION:
SEGMENT CODE:	SHEET 15 OF 19



PLAN - SCHEMATIC



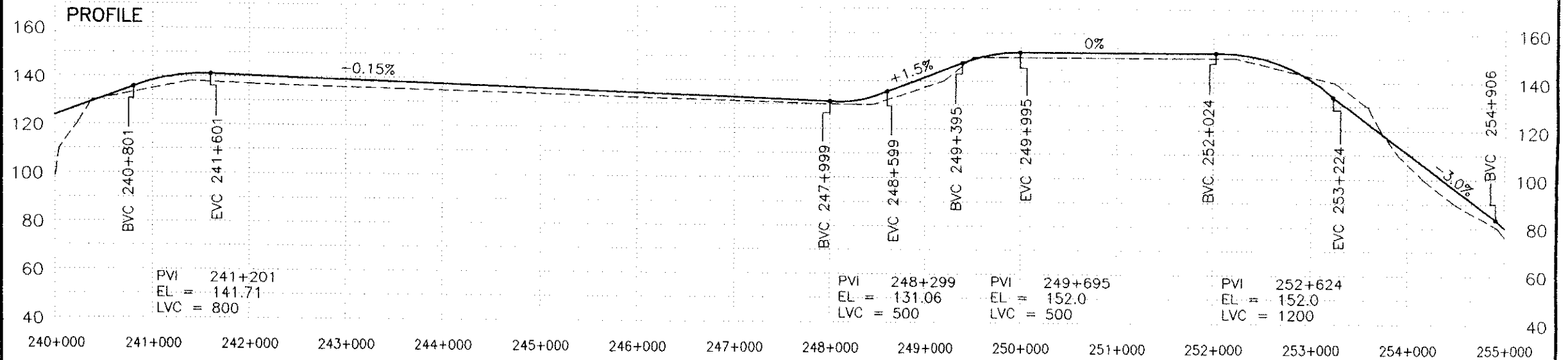
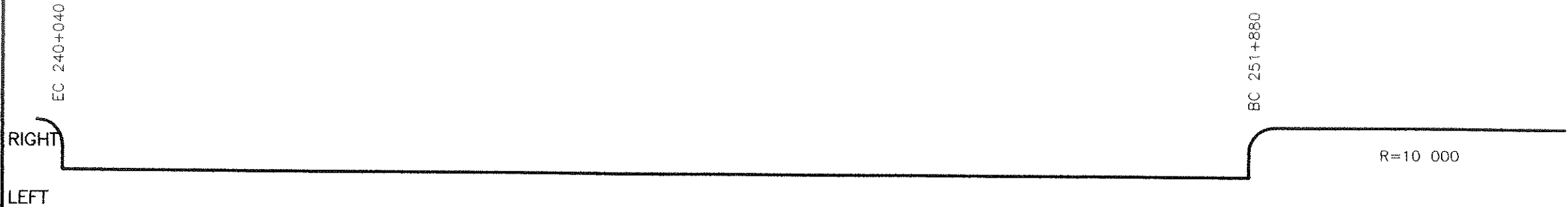
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
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 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 16 OF 19

PLAN - SCHEMATIC



QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
 PRELIMINARY ROUTING ASSESSMENT AND COSTING STUDY  
 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

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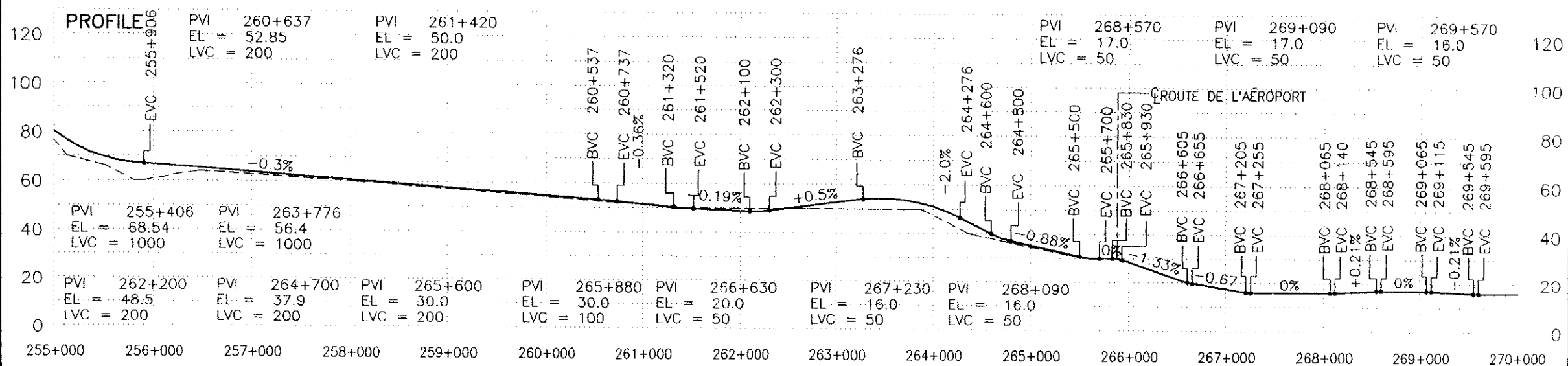
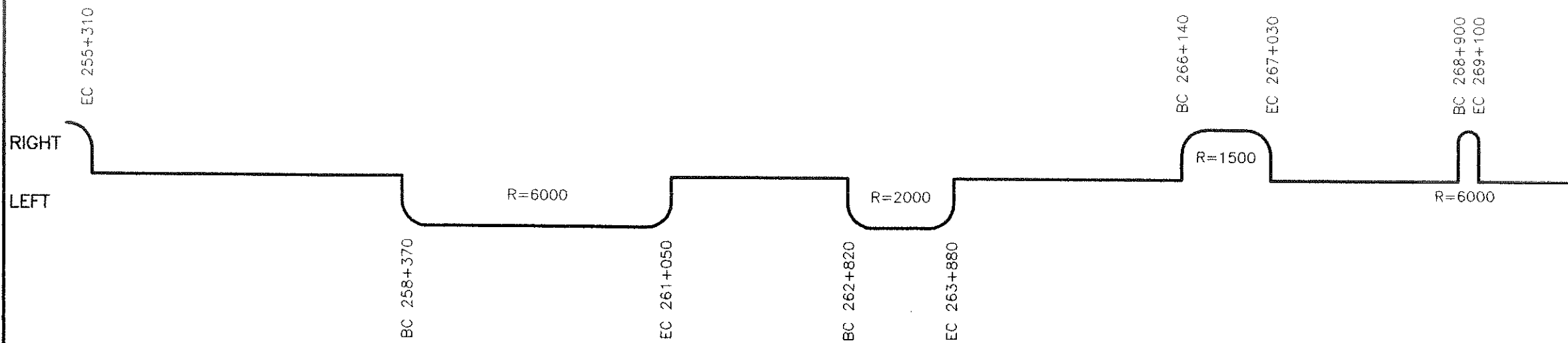
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REVISION:

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SHFFT 17 OF 19

PLAN - SCHEMATIC



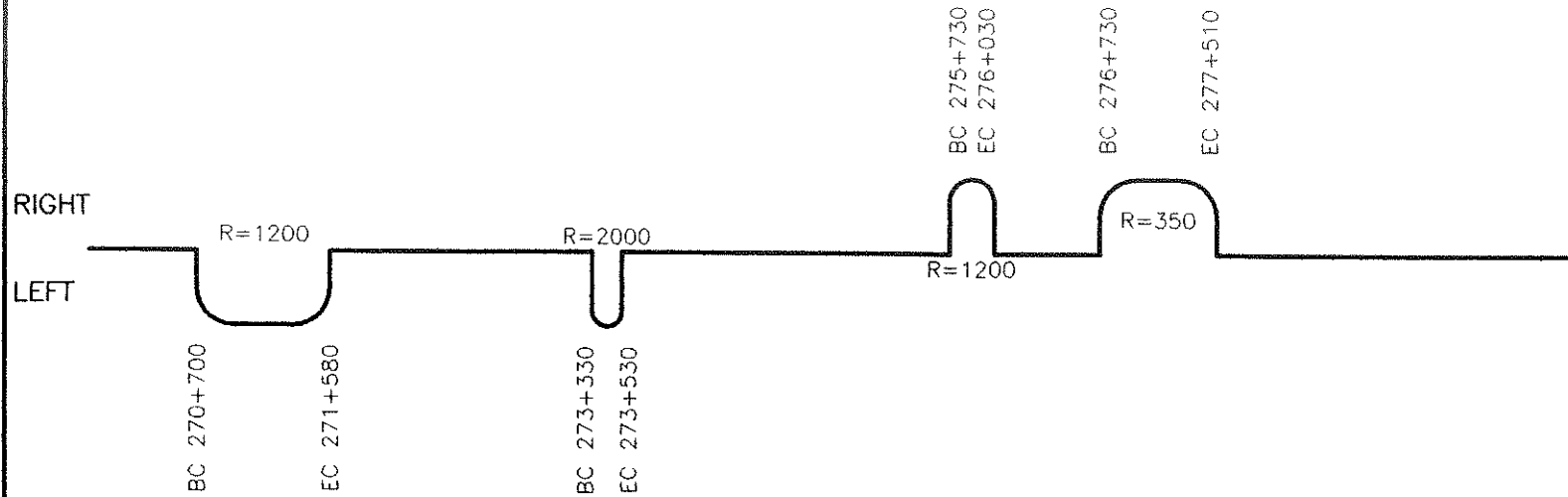
QUEBEC-ONTARIO HIGH SPEED RAIL PROJECT  
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 SCHEMATIC PLAN AND PROFILE

OVER 300 kph ON NEW ROW  
 REPRESENTATIVE ROUTE  
 MONTREAL - QUEBEC

SCALE: HOR. 1:50 000  
 VER. 1:2000  
 SEGMENT CODE:

DATE: MAR/93  
 REVISION:  
 SHEET 18 OF 19

PLAN - SCHEMATIC



PROFILE

