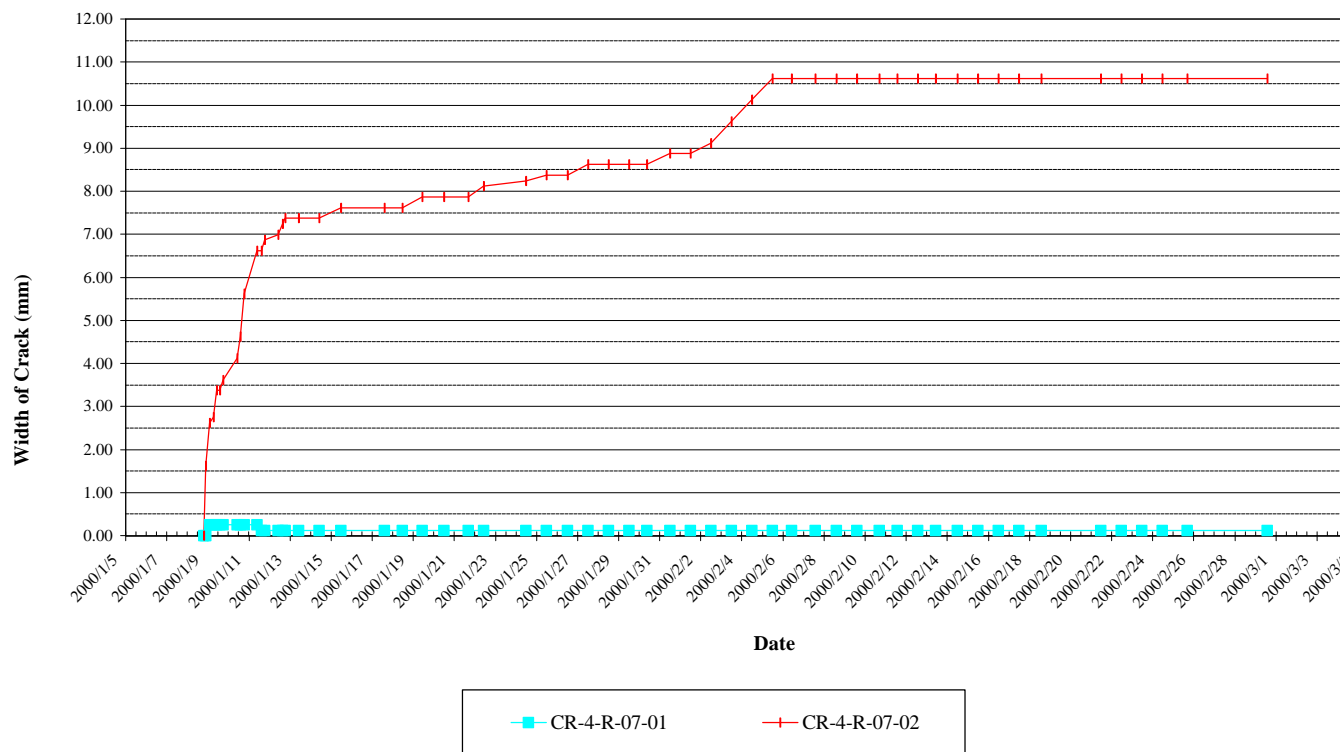


**MRTA UNDERGROUND STRUCTURE-SOUTH**

Contractor: JV BCKT  
 Construction Office: B  
 Subcontractor: LEO JOVIAN  
 Location: Lumphini Station  
 Type of Instrument & No. : Crack gauge  
 Date of Issue: 2000/2/29

Checked by: \_\_\_\_\_

Rechecked by: \_\_\_\_\_



**Last Reading in X-axis**

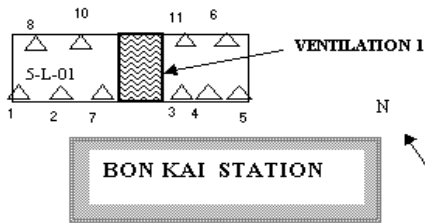
2000/2/29  
 (mm)

CR-4-R-07-01 0.13  
 CR-4-R-07-02 10.62

**Initial Reading in X-axis**

2000/1/8  
 (mm)

CR-4-R-07-01 0.00  
 CR-4-R-07-02 1.88



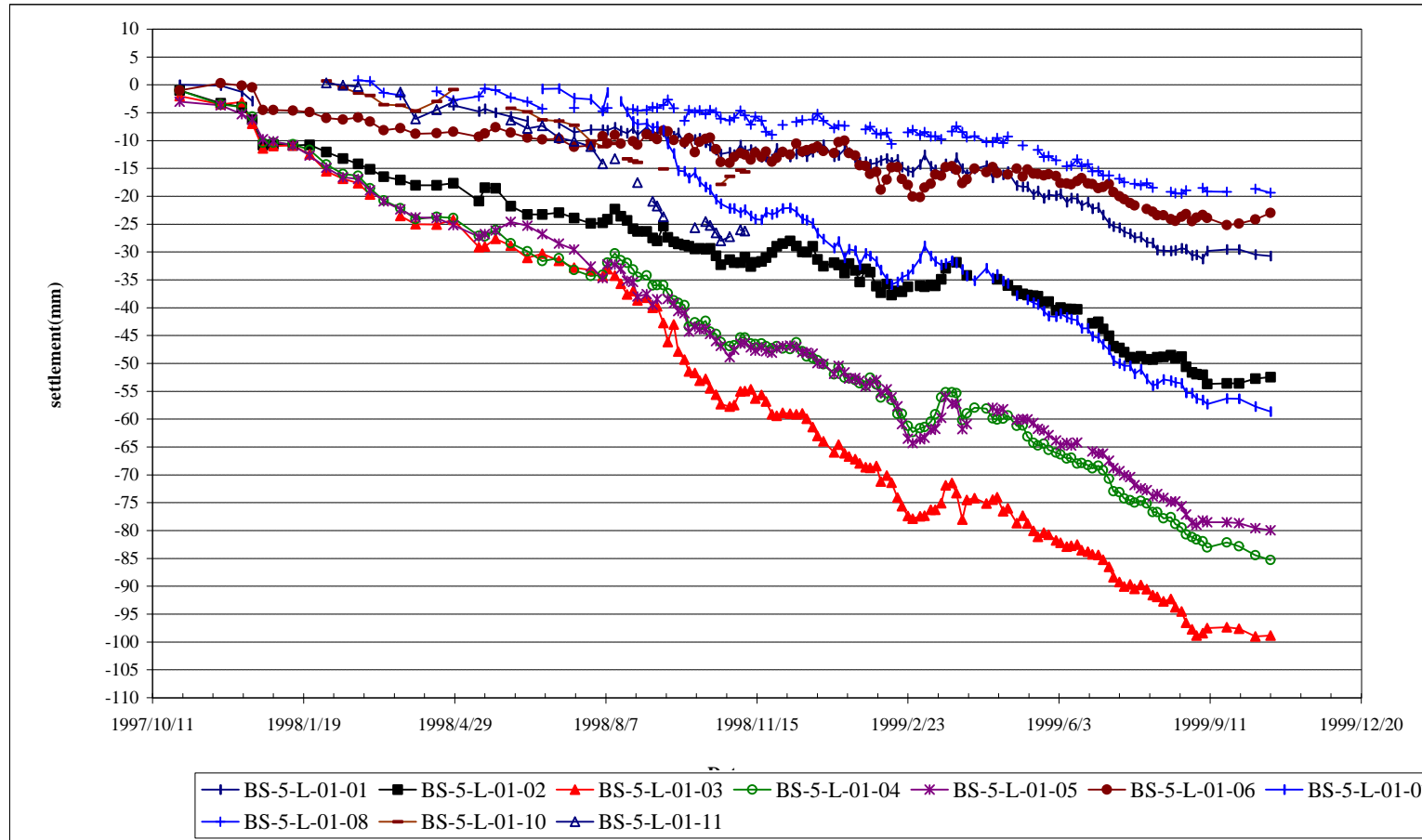
M.R.T. CHALOEM RATCHAMONGKON LINE

Contract 1 : UNDERGROUND STRUCTURES-SOUTH

Contractor: JV BCKT  
 Construction Office: 2  
 Subcontractor: LEO JOVIAN  
 Location: BONKAI STATION  
 Type of Instrument & No. : Building Settlement Pts;BS  
 Readout No.: NA3000  
 Date of Issue: 2000/3/1  
 Note: BS-5-L-01-01 reinstalled on 25/04/98, BS-5-L-01-11 reinstalled on 21/03/98

Checked by: \_\_\_\_\_

Rechecked by : \_\_\_\_\_

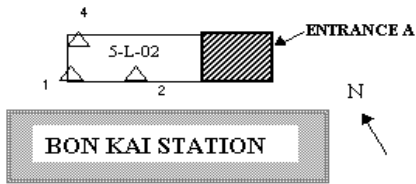


**Last Reading**

	1999/10/21 (mm)
BS-5-L-01-01	-30.72
BS-5-L-01-02	-52.45
BS-5-L-01-03	-98.84
BS-5-L-01-04	-85.28
BS-5-L-01-05	-79.93
BS-5-L-01-06	-22.98
BS-5-L-01-07	-58.67
BS-5-L-01-08	-19.36
BS-5-L-01-10	
BS-5-L-01-11	

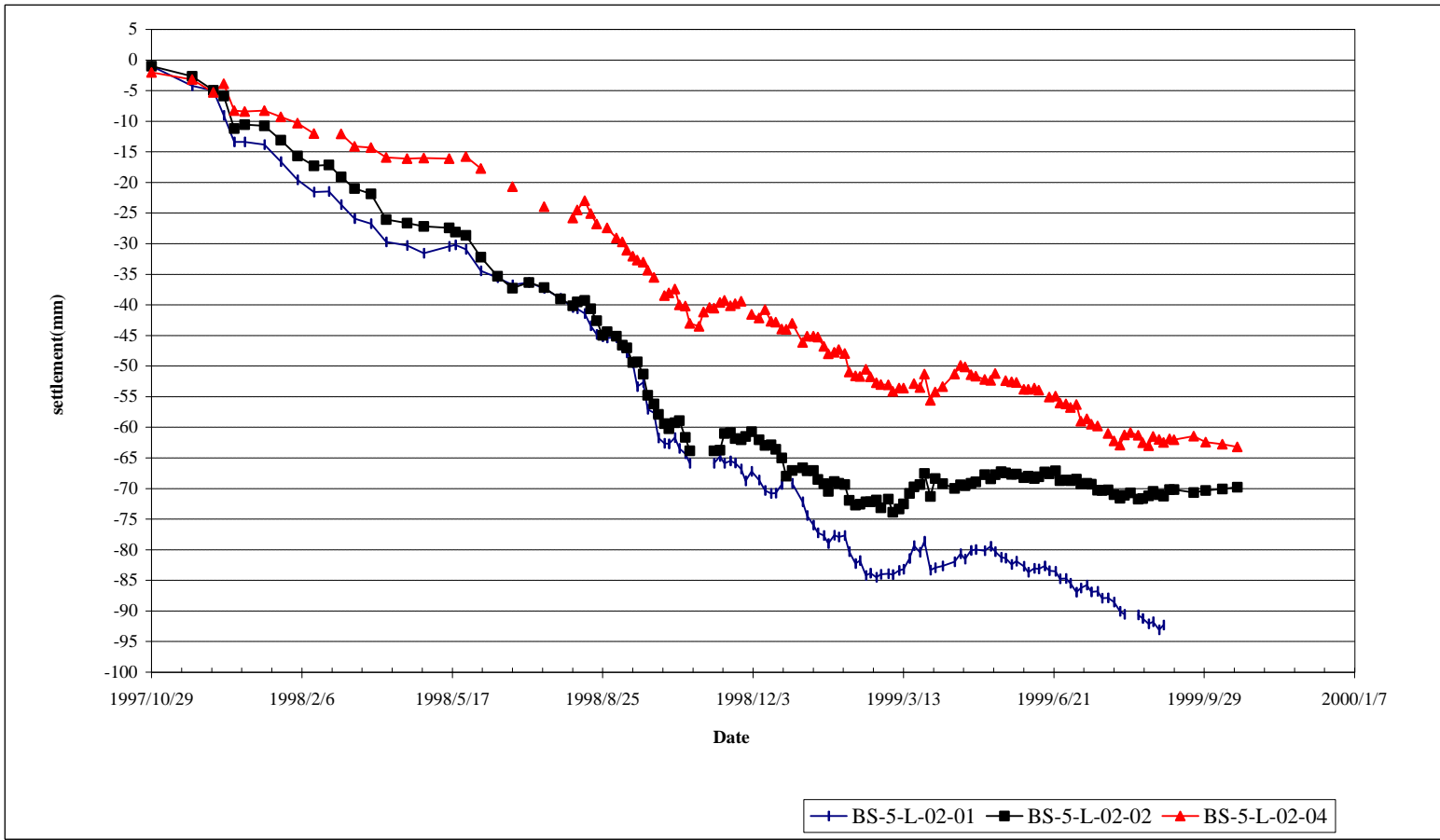
**Initial Elevation**

	09/09/97 (m)
BS-5-L-01-01(25/04/98)	102.30500
BS-5-L-01-02	101.44100
BS-5-L-01-03	101.17200
BS-5-L-01-04	101.12400
BS-5-L-01-05	101.21800
BS-5-L-01-06	101.54700
BS-5-L-01-07	101.39094
BS-5-L-01-08	102.44157
BS-5-L-01-10	101.56108
BS-5-L-01-11(21/03/98)	101.38100



M.R.T. CHALOEM RATCHAMONGKON LINE  
 Contract1 : UNDERGROUND STRUCTURES-SOUTH  
 Contractor: JV BCKT  
 Construction Office: 2  
 Subcontractor: LEO JOVIAN  
 Location: BONKAI STATION  
 Type of Instrument & No. : Building Settlement Pts;BS  
 Readout No.: NA3000  
 Date of Issue : 2000/3/1  
 Note: BS-5-L-02-01 and BS-5-L-02-02 reinstalled on 07/11/98.

Checked by: \_\_\_\_\_  
 Rechecked by : \_\_\_\_\_



**Last Reading**

	1999/10/21
	(mm)
BS-5-L-02-01	
BS-5-L-02-02	-69.76
BS-5-L-02-04	-63.18

**Initial Elevation**

	09/09/97
	(m)
BS-5-L-02-01(07/11/98)	100.896
BS-5-L-02-02(07/11/98)	101.106
BS-5-L-02-04	101.100

**M.R.T. CHALOEM RATCHAMONGKON LINE**

**Contract1 : UNDERGROUND STRUCTURES-SOUTH**

**Contractor: JV BCKT**

**Construction Office:2**

**Subcontractor: LEO JOVIAN**

**Station Name: Silom**

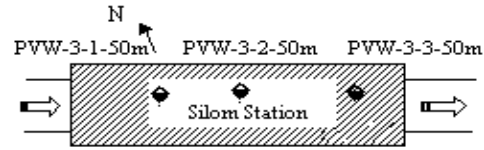
**Type of Instrument & No. : Vibrating wire type Piezometer; PVW**

**Readout No.:**

**Date of Issue: 2000/3/2**

Checked by: \_\_\_\_\_

Rechecked by : \_\_\_\_\_



**Water Pressure (t/m<sup>2</sup>)**

	Gage EL.	2000/2/29
	(m)	(t/m <sup>2</sup> )
PVW-3-1-50M	50.90	23.74
PVW-3-2-50M	50.96	24.92
PVW-3-3-50M	51.14	24.44

**M.R.T. CHALOEM RATCHAMONGKON LINE**

**Contract1 : UNDERGROUND STRUCTURES-SOUTH**

**Contractor: JV BCKT**

Checked by: \_\_\_\_\_

**Construction Office:2**

**Subcontractor: LEO JOVIAN**

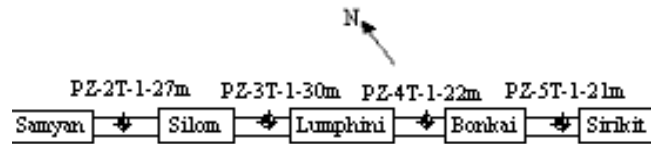
Rechecked by : \_\_\_\_\_

**Location: Tunnel-Sam-Sil-Lum-Bon-Siri**

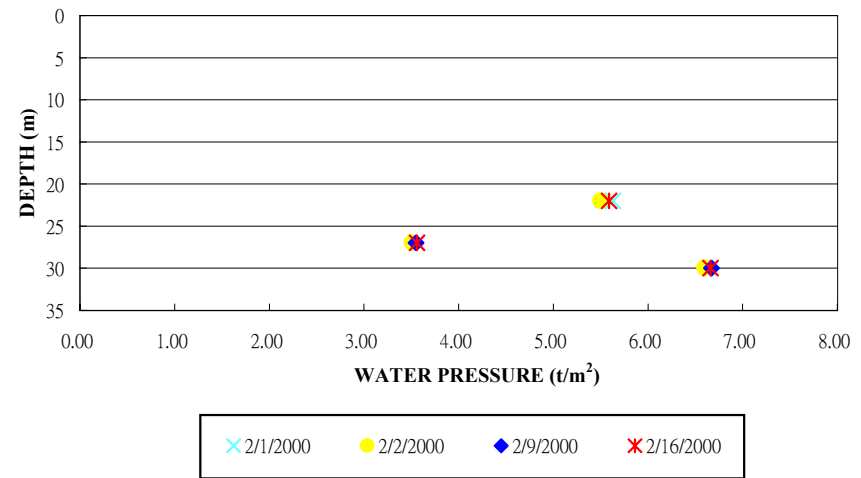
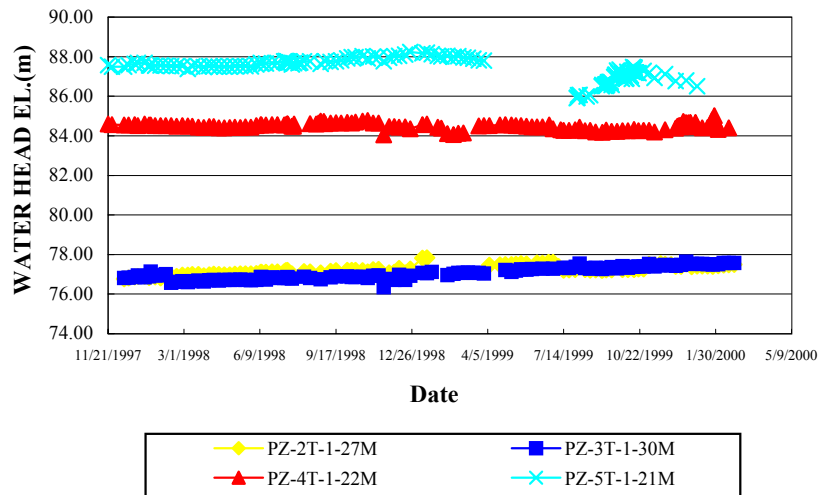
**Type of Instrument & No. : Standpipe Piezometer; PS**

**Readout No.:**

**Date of Issue: 3/2/2000**



	Water Table EL.					Water Pressure					
	Tip.EL (m)	2/1/2000 (m)	2/2/2000 (m)	2/9/2000 (m)	2/16/2000 (m)	2/23/2000 (m)	2/1/2000 (t/m2)	2/2/2000 (t/m2)	2/9/2000 (t/m2)	2/16/2000 (t/m2)	2/23/2000 (t/m2)
PZ-2T-1-27M	73.92		77.43	77.47	77.48	77.49		3.51	3.55	3.56	3.57
PZ-3T-1-30M	70.91		77.51	77.58	77.57	77.57		6.60	6.67	6.66	6.66
PZ-4T-1-22M	78.82	84.45	84.32		84.41		5.63	5.50		5.59	
PZ-5T-1-21M	80.12										



M.R.T. CHALOEM RATCHAMONGKON LINE

Contract1 : UNDERGROUND STRUCTURES-SOUTH

Contractor: JV BCKT

Construction Office: 2

Subcontractor: LEO JOVIAN

Location: BONKAI STATION

Type of Instrument & No. : Surface Settlement:SS

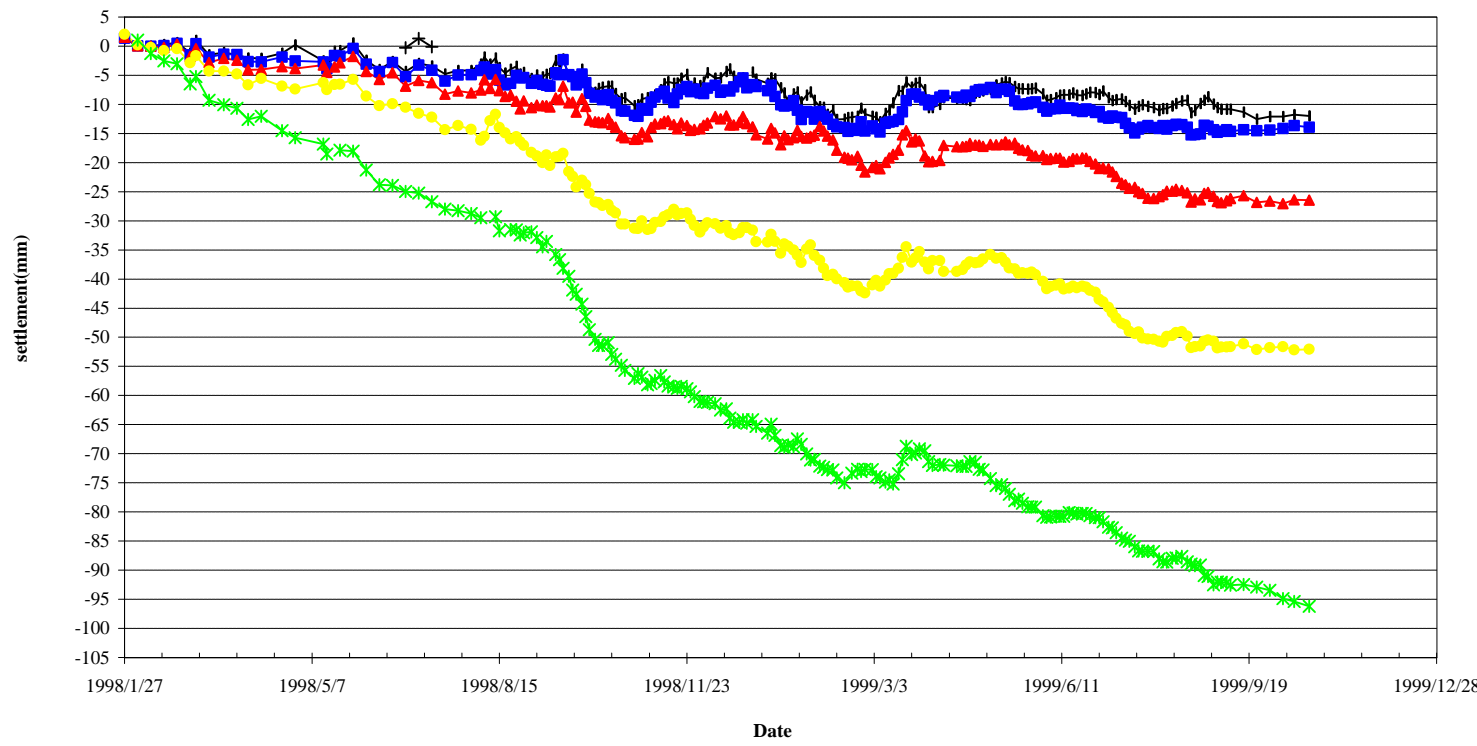
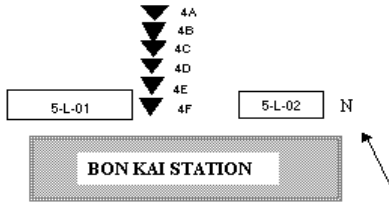
Readout No.: Topcon, AT-G2

Date of Issue: 2000/3/1

Note: SS-5-4E reinstalled on 20/08/98.

Checked by: \_\_\_\_\_

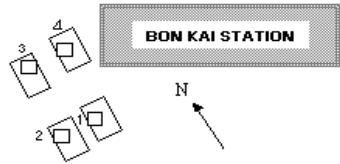
Rechecked by : \_\_\_\_\_



<b>Last Reading</b>	
	1999/10/21
	(mm)
SS-5-4A	-11.98
SS-5-4B	-13.91
SS-5-4C	-26.43
SS-5-4D	-52.08
SS-5-4E	-96.20
SS-5-4F	

<b>Initial Elevation</b>	
	09/09/97
	(m)
SS-5-4A	100.82247
SS-5-4B	100.78330
SS-5-4C	100.75385
SS-5-4D	100.76502
SS-5-4E (20/08/98)	100.79300
SS-5-4F	100.81671

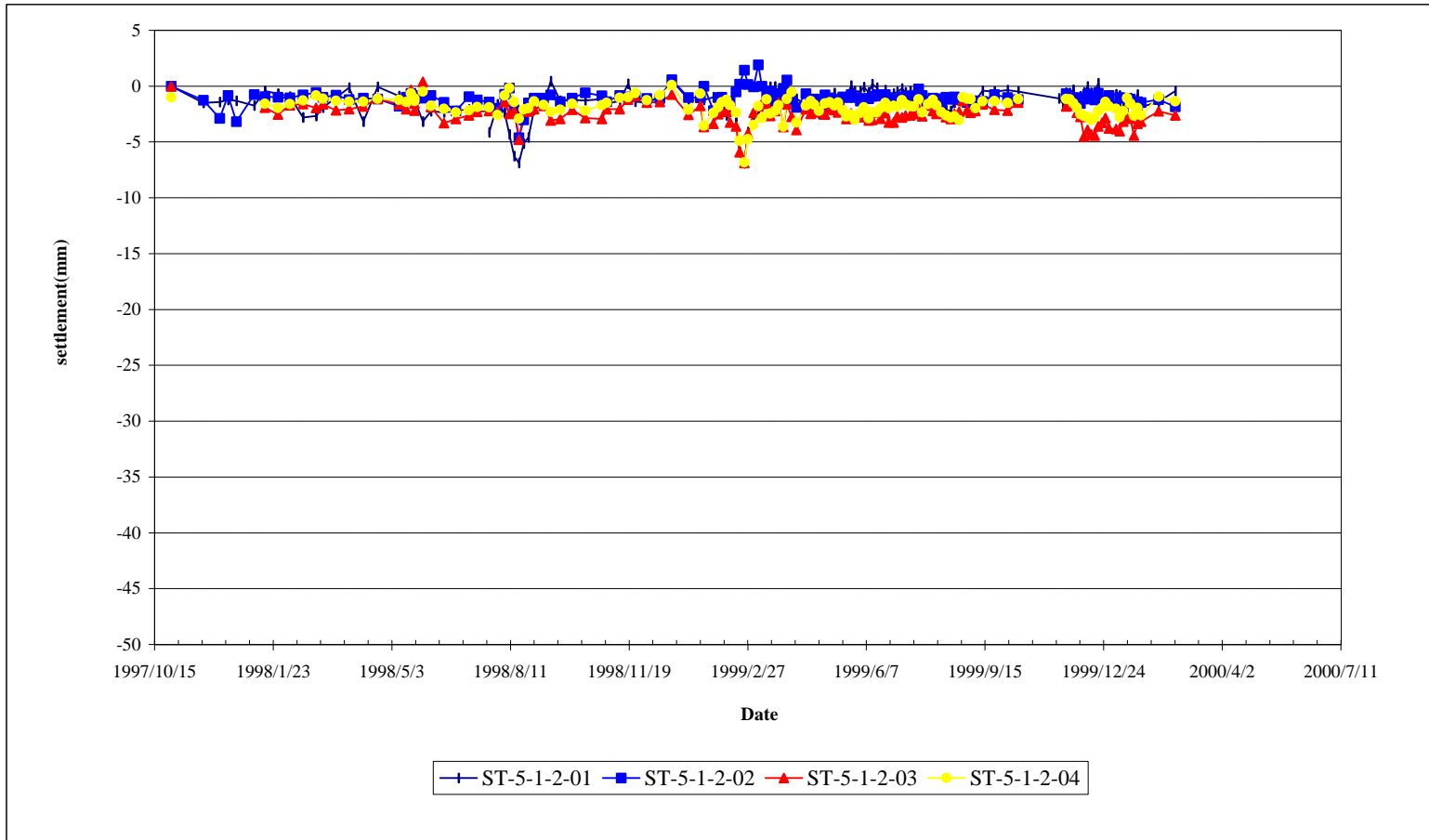
—+— SS-5-4A —■— SS-5-4B —▲— SS-5-4C —●— SS-5-4D —\*— SS-5-4E —+— SS-5-4F



M.R.T. CHALOEM RATCHAMONGKON LINE  
 Contract1 : UNDERGROUND STRUCTURES-SOUTH  
 Contractor: JV BCKT  
 Construction Office: 2  
 Subcontractor: LEO JOVIAN  
 Location: BONKAI STATION  
 Type of Instrument & No. : Structure Settlement Pts;ST  
 Readout No.: Topcon, AT-G2  
 Date of Issue: 2000/3/1

Checked by: \_\_\_\_\_

Rechecked by : \_\_\_\_\_



**Last Reading**

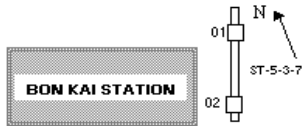
2000/2/22

Point ID	Settlement (mm)
ST-5-1-2-01	-0.43
ST-5-1-2-02	-1.85
ST-5-1-2-03	-2.62
ST-5-1-2-04	-1.36

**Initial Elevation**

09/09/97  
(m)

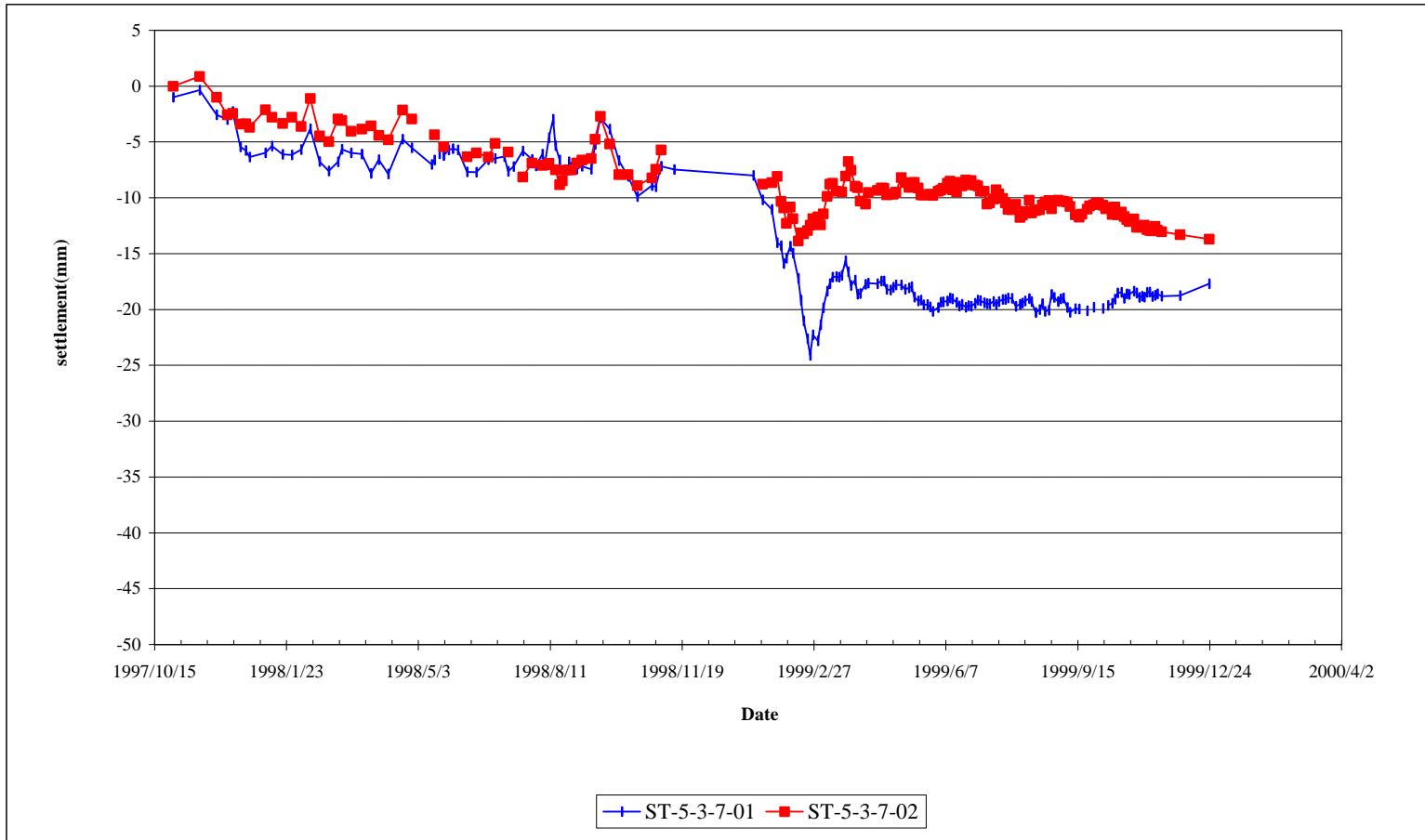
ST-5-1-2-01	102.682
ST-5-1-2-02	102.427
ST-5-1-2-03	102.625
ST-5-1-2-04	102.912



M.R.T. CHALOEM RATCHAMONGKON LINE  
 Contract1 : UNDERGROUND STRUCTURES-SOUTH  
 Contractor: JV BCKT  
 Construction Office: 2  
 Subcontractor: LEO JOVIAN  
 Location: BONKAI STATION  
 Type of Instrument & No. : Structure Settlement Pts;ST  
 Readout No.: Topcon, AT-G2  
 Date of Issue: 2000/3/1

Checked by: \_\_\_\_\_

Rechecked by : \_\_\_\_\_



**Last Reading**

	1999/12/23
	(mm)
ST-5-3-7-01	-17.68
ST-5-3-7-02	-13.70

**Initial Elevation**

	1997/9/9
	(m)
ST-5-3-7-01	101.762
ST-5-3-7-02	101.302

**M.R.T. CHALOEM RATCHAMONGKON LINE**

**Contract1 : UNDERGROUND STRUCTURES-SOUTH**

**Check by:** \_\_\_\_\_

**Contractor:** JV BCKT

**Recheck by:** \_\_\_\_\_

**Construction Office:** 2

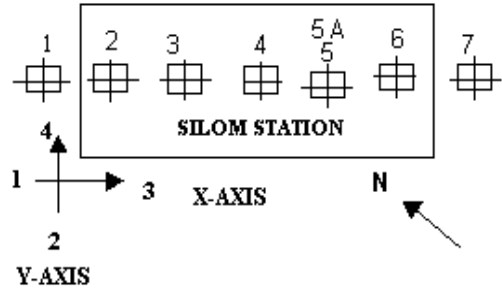
**Subcontractor:** LEO JOVIAN

**Location:** Silom Station

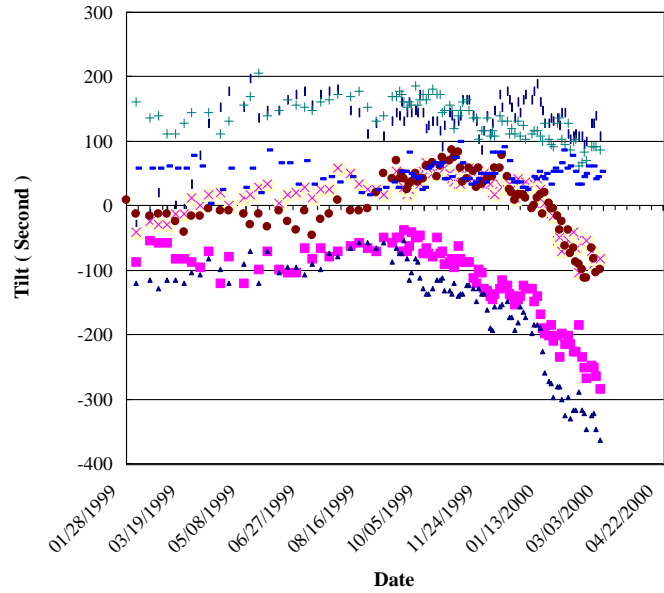
**Type of Instrument:** Tiltmeter : TM-S3-01-07(2-4)

**Transducer No.:** S + 215

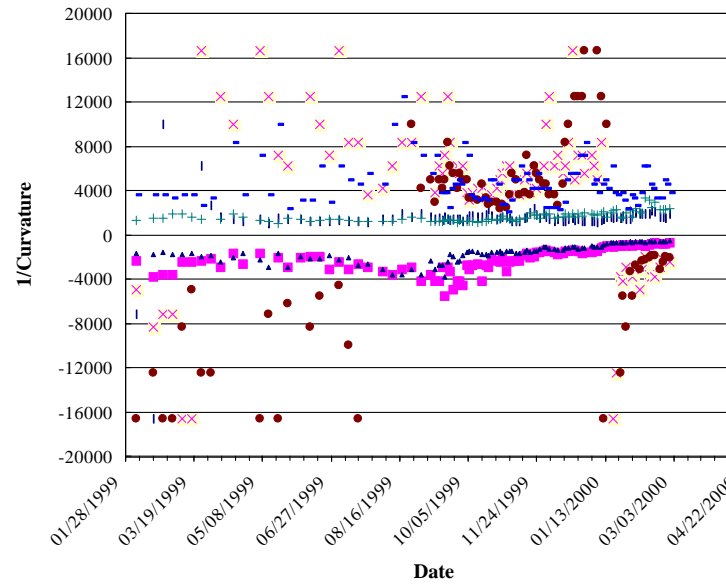
**Date of Issue :** 2000/3/6



**Note:** TM-S3-05 was damaged on 20/01/99 and the last tilt recorded on 5.160 ( sec ) .



- TM-S3-01(2-4)-S+215 (Blue vertical bar)
- TM-S3-02(2-4)-S+215 (Magenta square)
- TM-S3-03(2-4)-S+215 (Blue triangle)
- TM-S3-04(2-4)-S+215 (Pink cross)
- TM-S3-05(2-4)-S+215 (Magenta asterisk)
- TM-S3-05A(2-4)-S+215 (Red circle)
- TM-S3-06(2-4)-S+215 (Green plus)
- TM-S3-07(2-4)-S+215 (Blue dash)

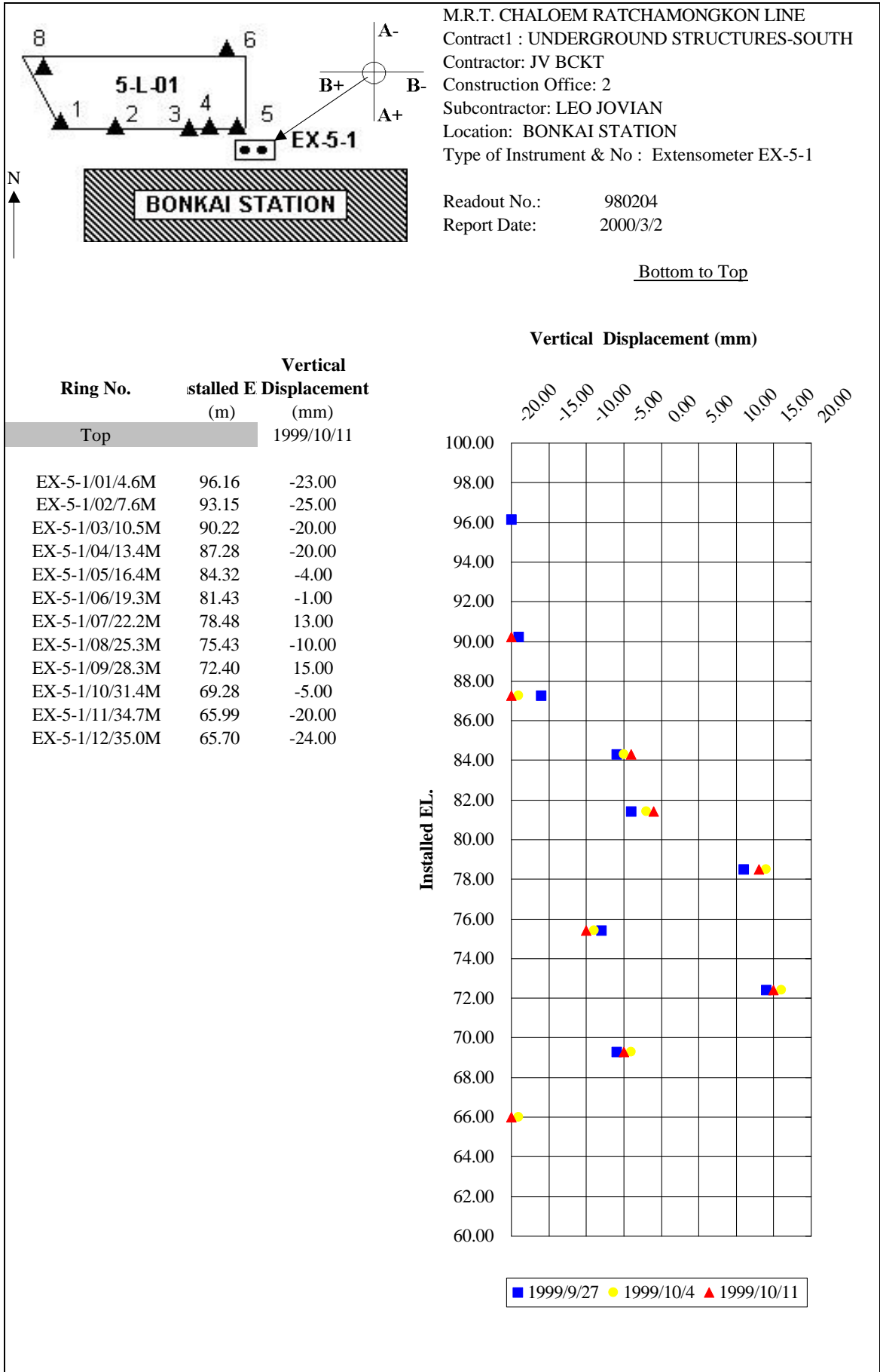


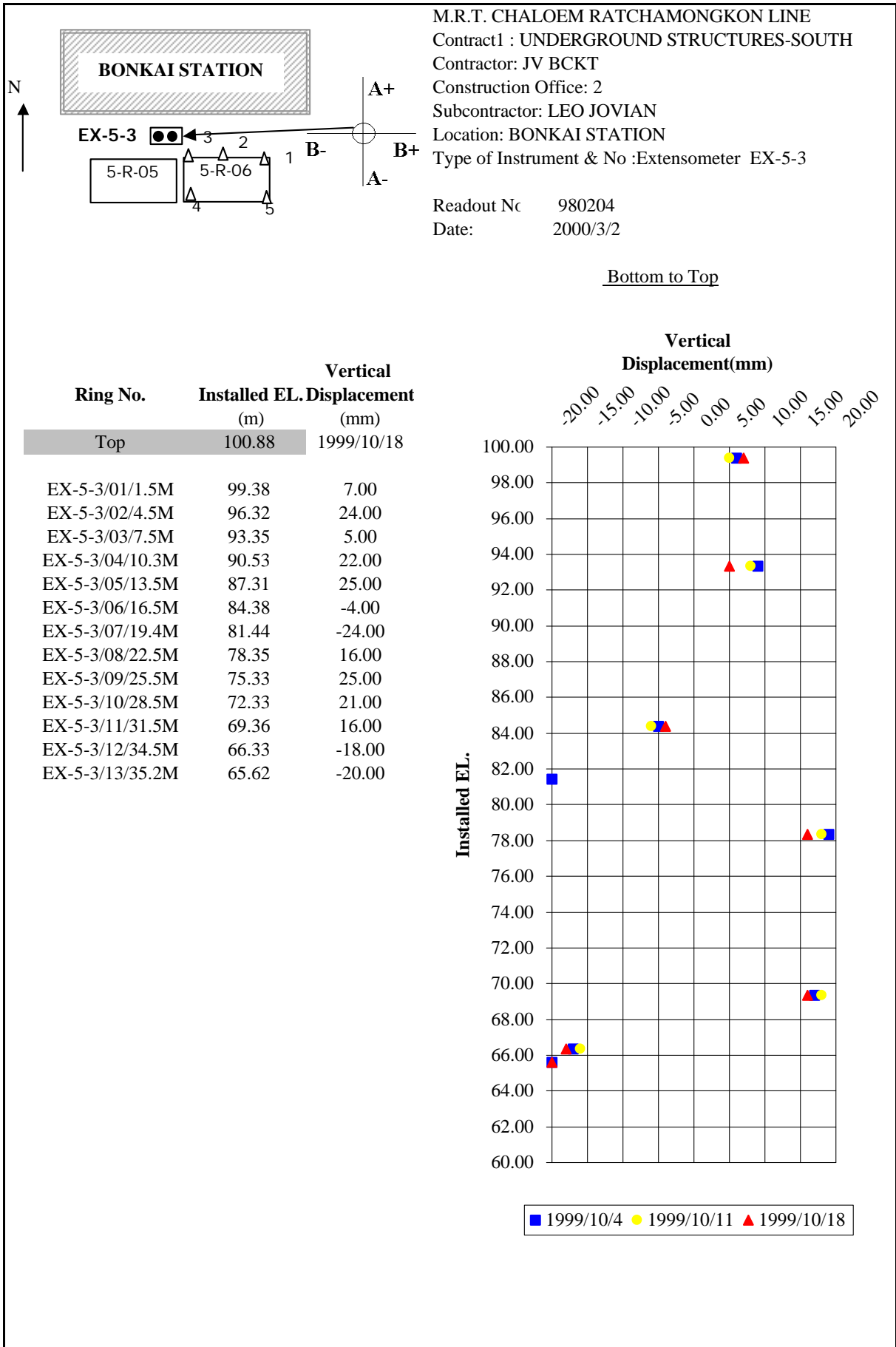
- TM-S3-01(2-4)-S+215 (Blue vertical bar)
- TM-S3-02(2-4)-S+215 (Magenta square)
- TM-S3-03(2-4)-S+215 (Blue triangle)
- TM-S3-04(2-4)-S+215 (Pink cross)
- TM-S3-05(2-4)-S+215 (Magenta asterisk)
- TM-S3-05A(2-4)-S+215 (Red circle)
- TM-S3-06(2-4)-S+215 (Green plus)
- TM-S3-07(2-4)-S+215 (Blue dash)

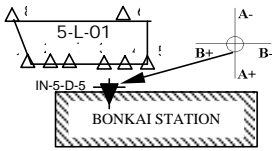
Transducer ID	Seconds
TM-S3-01(2-4)-S+215	107.3
TM-S3-02(2-4)-S+215	-284.64
TM-S3-03(2-4)-S+215	-363.02
TM-S3-04(2-4)-S+215	-82.51
TM-S3-05(2-4)-S+215	-99.01
TM-S3-05A(2-4)-S+215	-99.01
TM-S3-06(2-4)-S+215	86.63
TM-S3-07(2-4)-S+215	53.62

Transducer ID	1/Curvature
TM-S3-01(2-4)-S+215	1923
TM-S3-02(2-4)-S+215	-725
TM-S3-03(2-4)-S+215	-568
TM-S3-04(2-4)-S+215	-2500
TM-S3-05(2-4)-S+215	InFinite Large
TM-S3-05A(2-4)-S+215	-2083
TM-S3-06(2-4)-S+215	2381
TM-S3-07(2-4)-S+215	3847

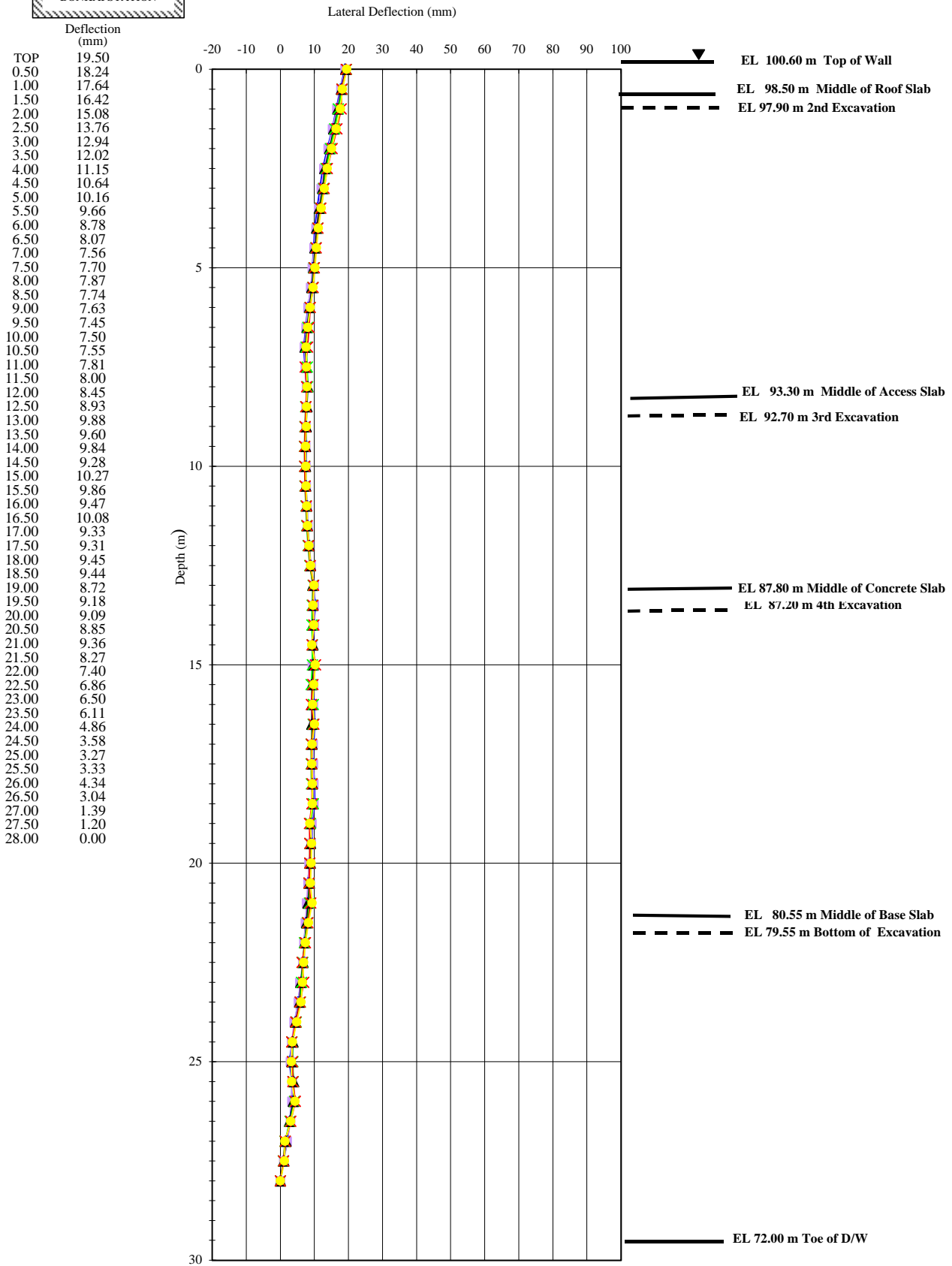






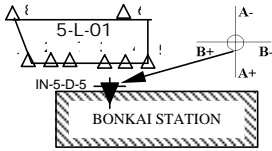
M.R.T. CHALOEM RATCHAMONGKON LINE  
 Contract1 : UNDERGROUND STRUCTURES-SOUTH  
 Contractor: JV BCKT  
 Construction Office: 2  
 Subcontractor: LEO JOVIAN

Location: BONKAI STATION  
 Type of Instrument & No. IN-5-D-5 (A) Axis  
 Readout No.: DATAMATE S/N:11248  
 Date: 2000/2/29  
 Base Date: 1998/7/20



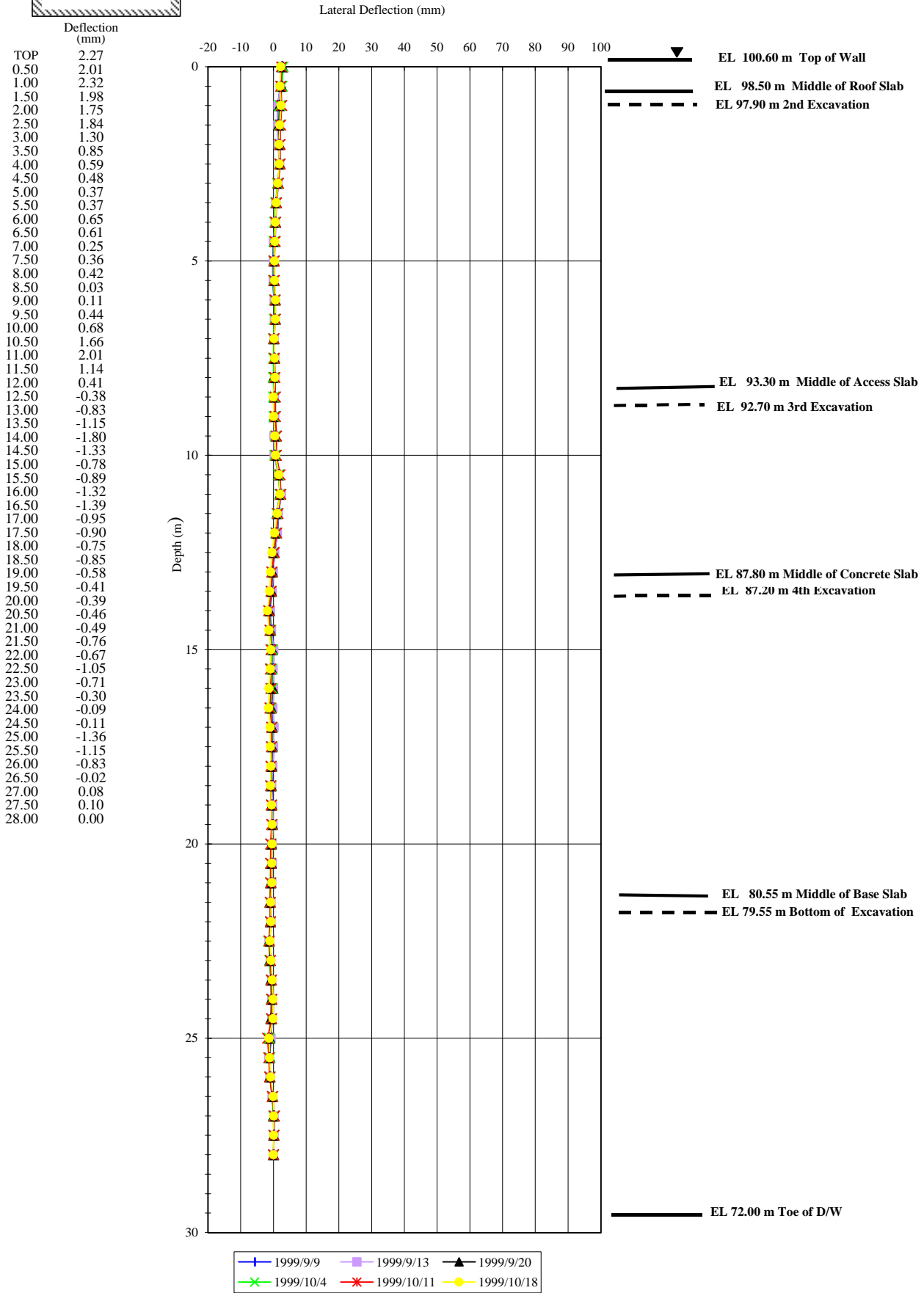
1999/9/9    1999/9/13    1999/9/20  
 1999/10/4    1999/10/11    1999/10/18

Max disp:	19.50 mm At	0.00 M Depth
Min disp:	0.00 mm At	28.00 M Depth
Max dif. with previous reading:	19.50 mm At	0.00 M Depth
Min dif. with previous reading:	-0.42 mm At	7.00 M Depth



M.R.T. CHALOEM RATCHAMONGKON LINE  
 Contract1 : UNDERGROUND STRUCTURES-SOUTH  
 Contractor: JV BCKT  
 Construction Office: 2  
 Subcontractor: LEO JOVIAN

Location: BONKAI STATION  
 Type of Instrument & No. IN-5-D-5 (B) Axis  
 Readout No.: DATAMATE S/N:11248  
 Date: 2000/2/29  
 Base Date: 1998/7/20



Max disp:	2.32 mm At	1.00 M Depth
Min disp:	-1.80 mm At	14.00 M Depth
Max dif. with previous reading:	2.32 mm At	1.00 M Depth
Min dif. with previous reading:	-1.80 mm At	14.00 M Depth