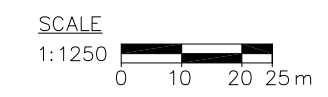


TO "AREA B", APPROX. 500 m NORTHBOUND

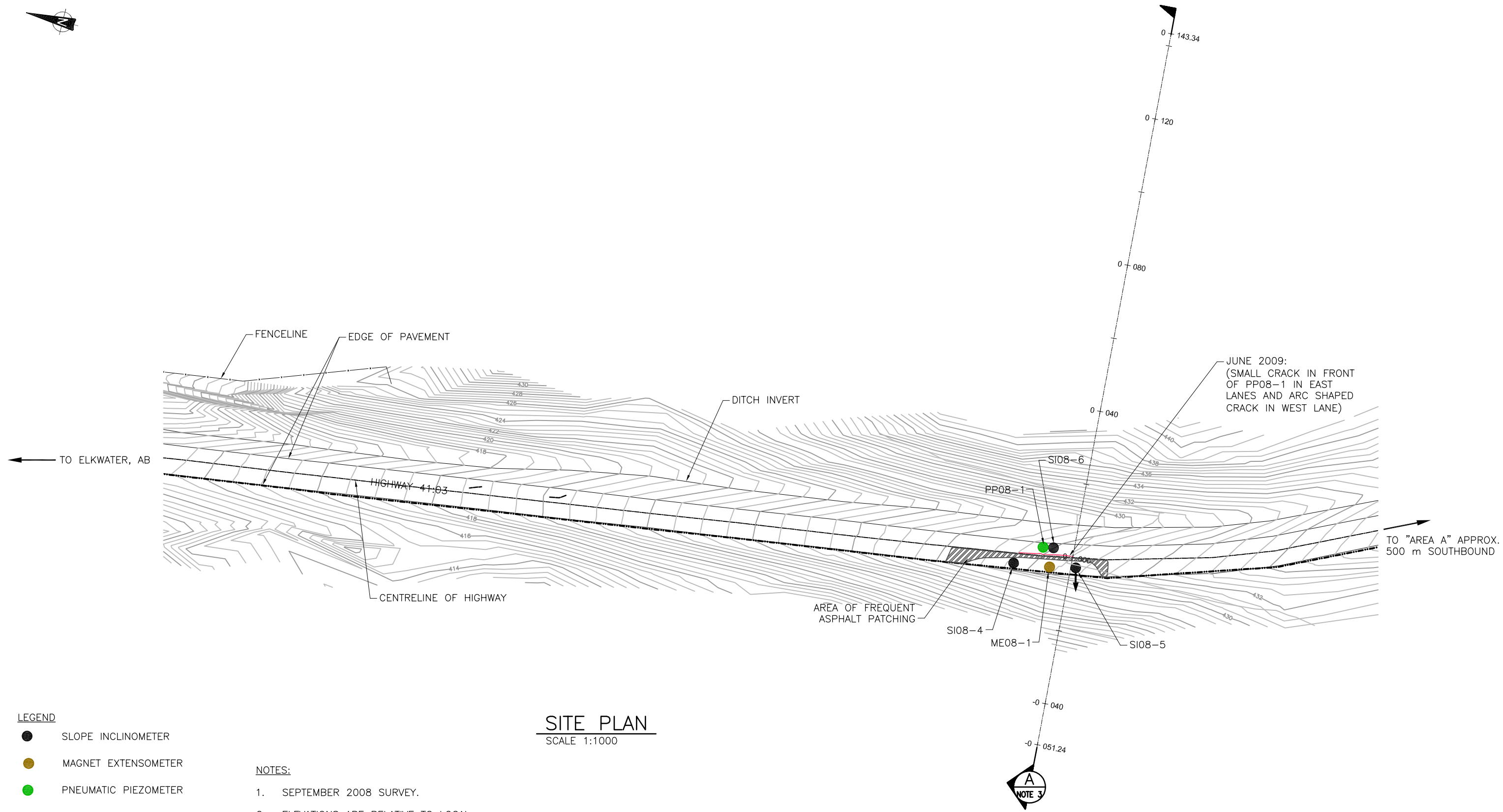
- LEGEND**
- SLOPE INCLINOMETER
 - MEASURAND SAA
 - STANDPIPE PIEZOMETER
 - WEATHER STATION
 - CRACKS IN ASPHALT (JUNE 2008 AND JUNE 2009)



- NOTES:**
1. JUNE 2008 SURVEY.
 2. ELEVATIONS ARE RELATIVE TO LOCAL BENCHMARK.
 3. PLEASE REFER TO DECEMBER 2008 INSTRUMENT INSTALLATION REPORT FOR CROSS-SECTIONS.

SITE PLAN
SCALE 1:1250

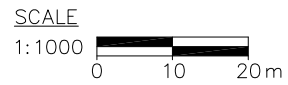
		PROJECT: SOUTHERN REGION GEOHAZARD ASSESSMENT AND INSTRUMENTATION MONITORING			
		TITLE: SITE S26 - ELKWATER AREA 'A'			
CLIENT: Alberta Transportation		DATE: JULY 2009	JOB No.: CG25309	CAD FILE: 25309N10.dwg	FIGURE No.: FIGURE S26-1
					REV. A



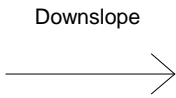
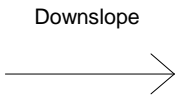
SITE PLAN
SCALE 1:1000

- LEGEND**
- SLOPE INCLINOMETER
 - MAGNET EXTENSOMETER
 - PNEUMATIC PIEZOMETER
 - DIRECTION OF MOVEMENT
 - FENCE
 - GUARDRAIL

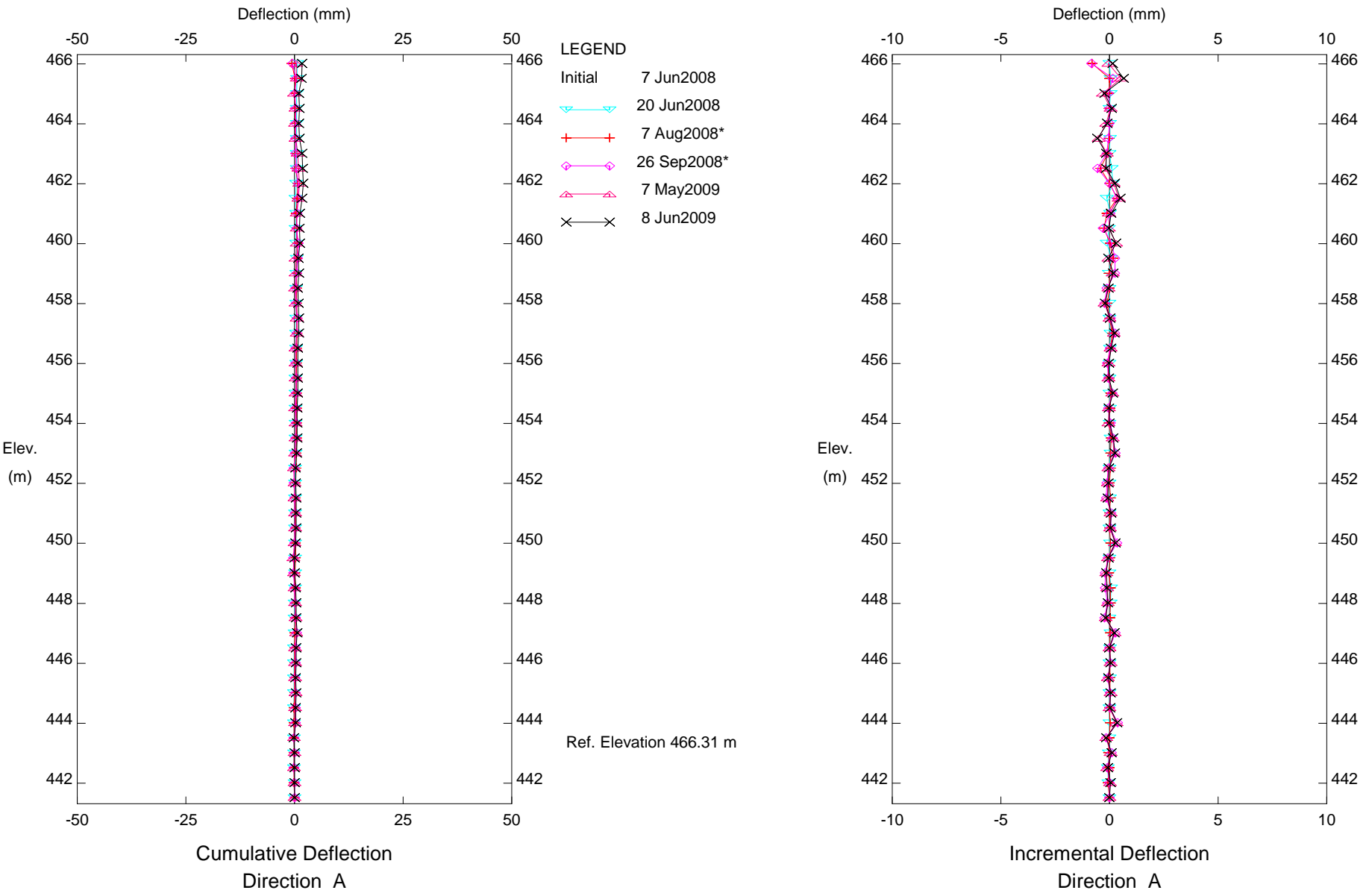
- NOTES:**
1. SEPTEMBER 2008 SURVEY.
 2. ELEVATIONS ARE RELATIVE TO LOCAL BENCHMARK.
 3. PLEASE REFER TO MAY 2009 INSTRUMENT INSTALLATION REPORT FOR CROSS-SECTION.



		PROJECT: SOUTHERN REGION GEOHAZARD ASSESSMENT AND INSTRUMENTATION MONITORING			
		TITLE: SITE S26 - ELKWATER AREA 'B'			
CLIENT:		DATE: JULY 2009	JOB No.: CG25309	CAD FILE: 25309N11.dwg	FIGURE No.: FIGURE S26-2
				REV: A	



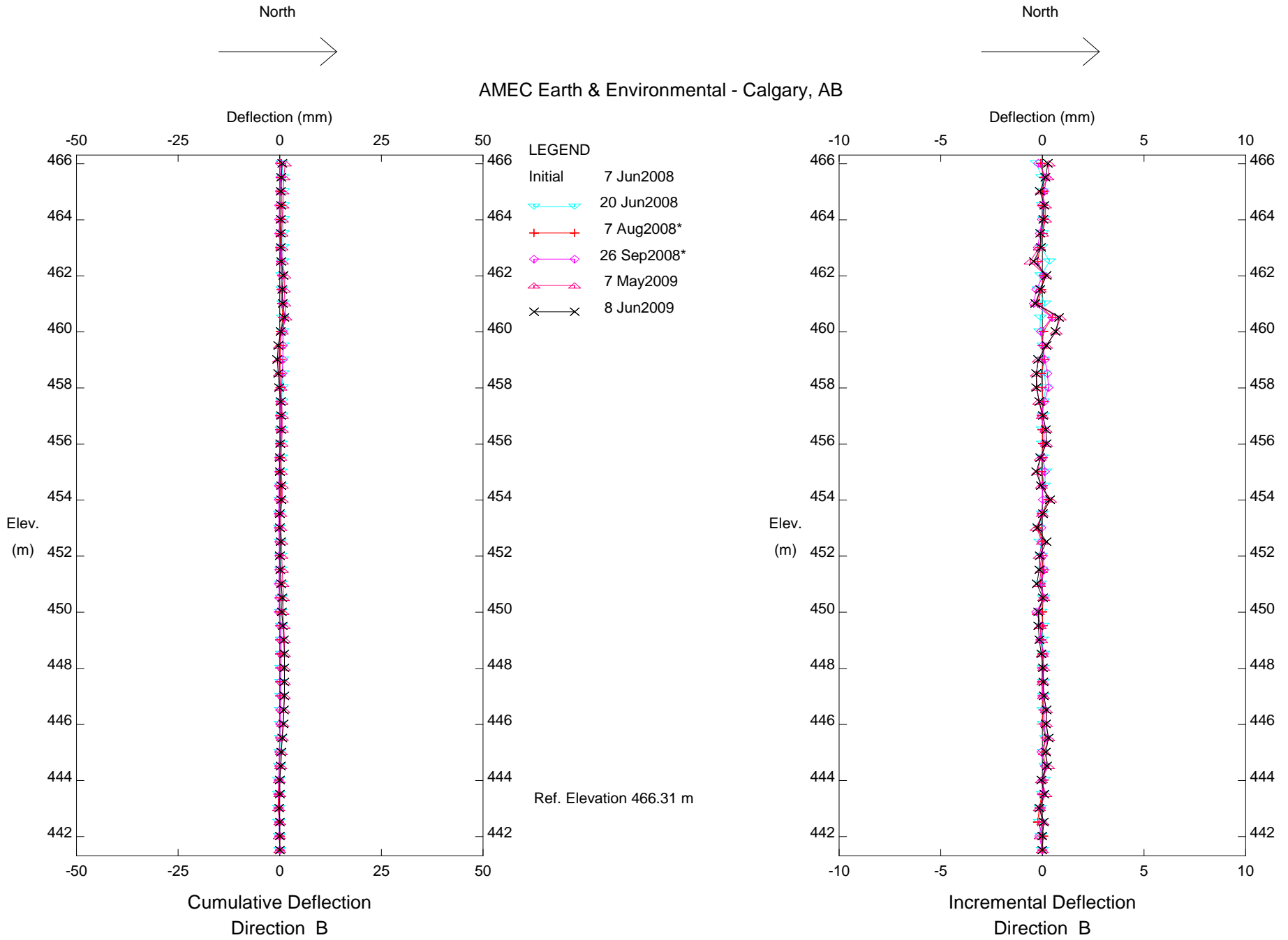
AMEC Earth & Environmental - Calgary, AB



Hwy 41:03 - Elkwater Area B, Inclinator SI 08-1
Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

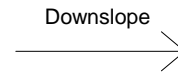
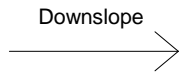
Figure S26-3



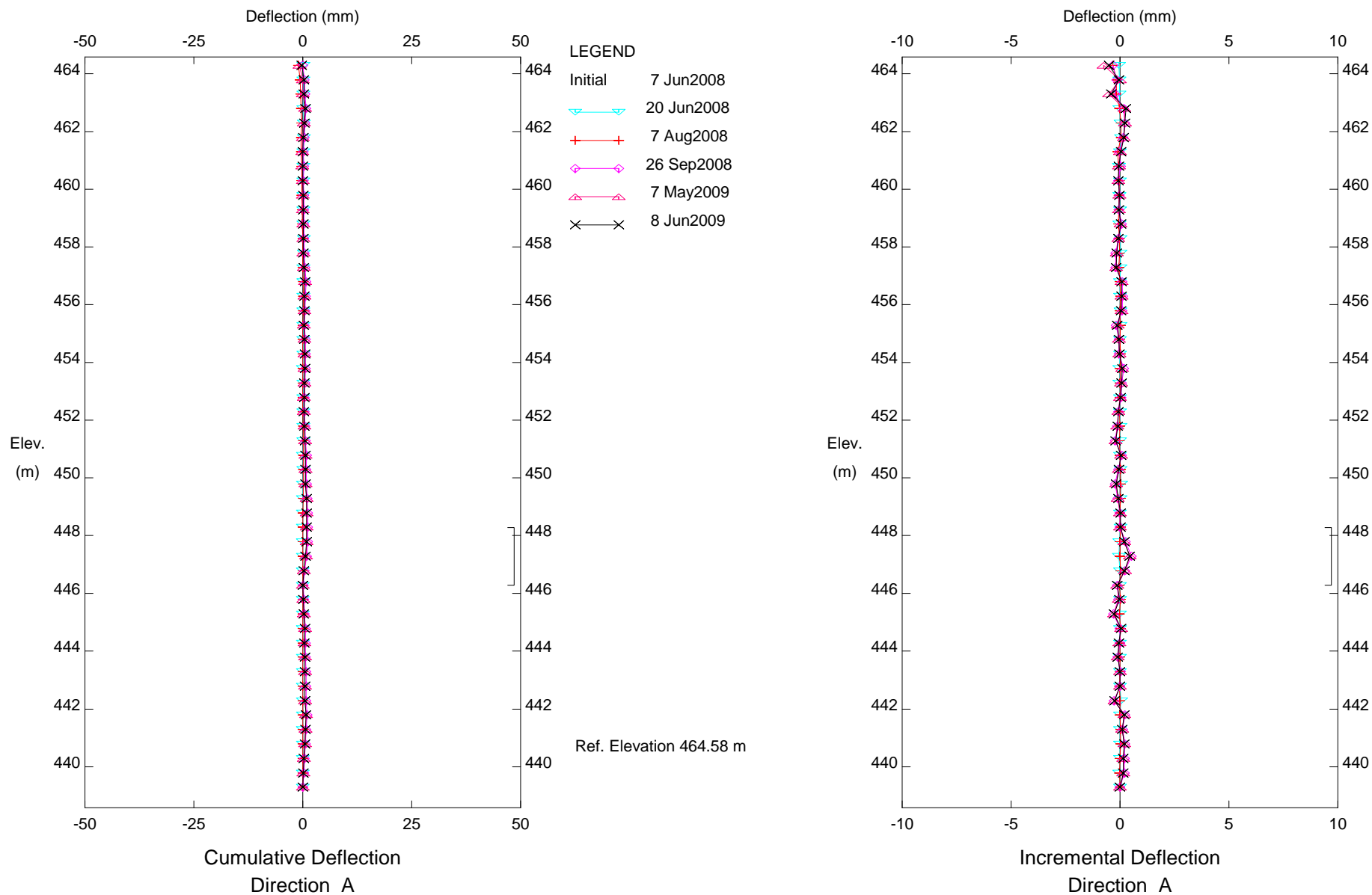
Hwy 41:03 - Elkwater Area B, Inclinometer SI 08-1
 Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

Figure S26-4

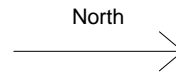
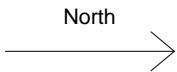


AMEC Earth & Environmental - Calgary, AB

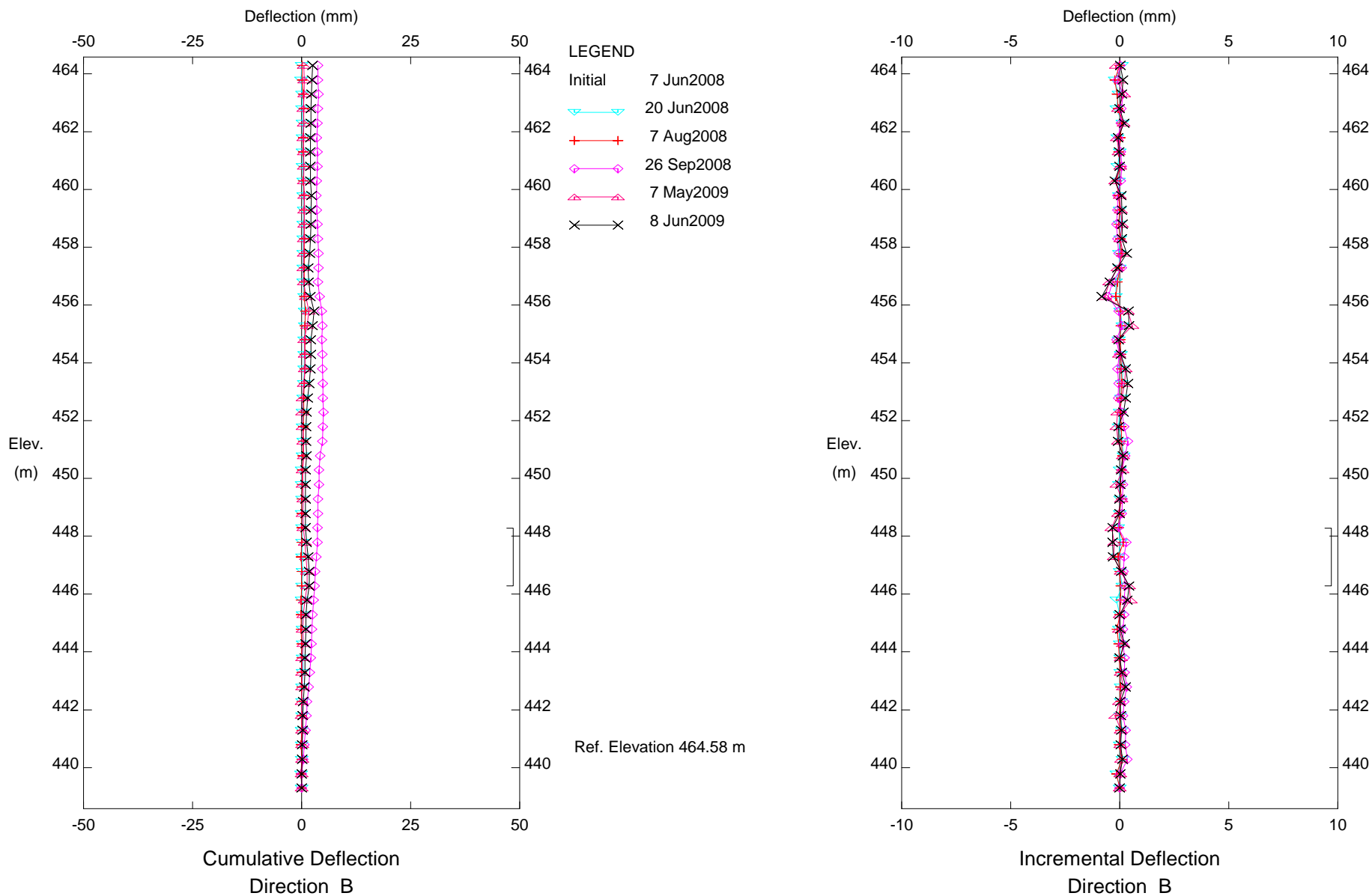


Hwy 41:03 - Elkwater Area A, Inclinometer SI 08-2
Alberta Transportation

Figure S26-5

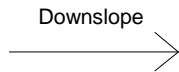


AMEC Earth & Environmental - Calgary, AB

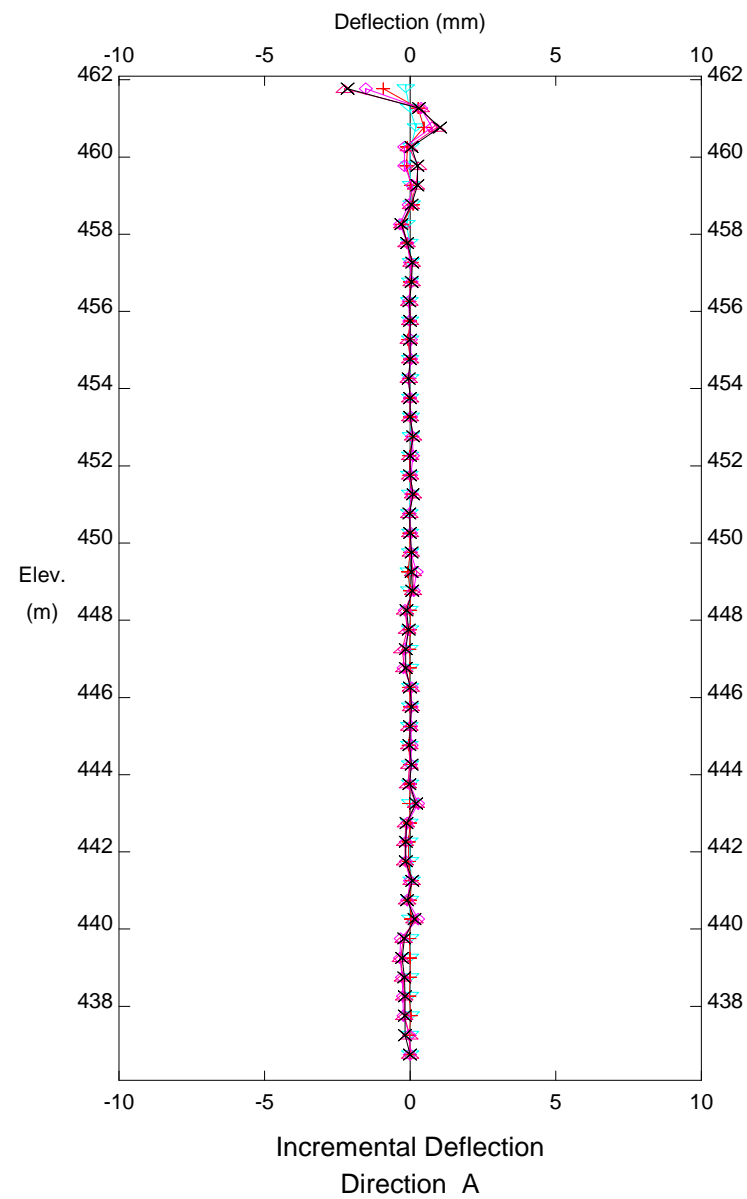
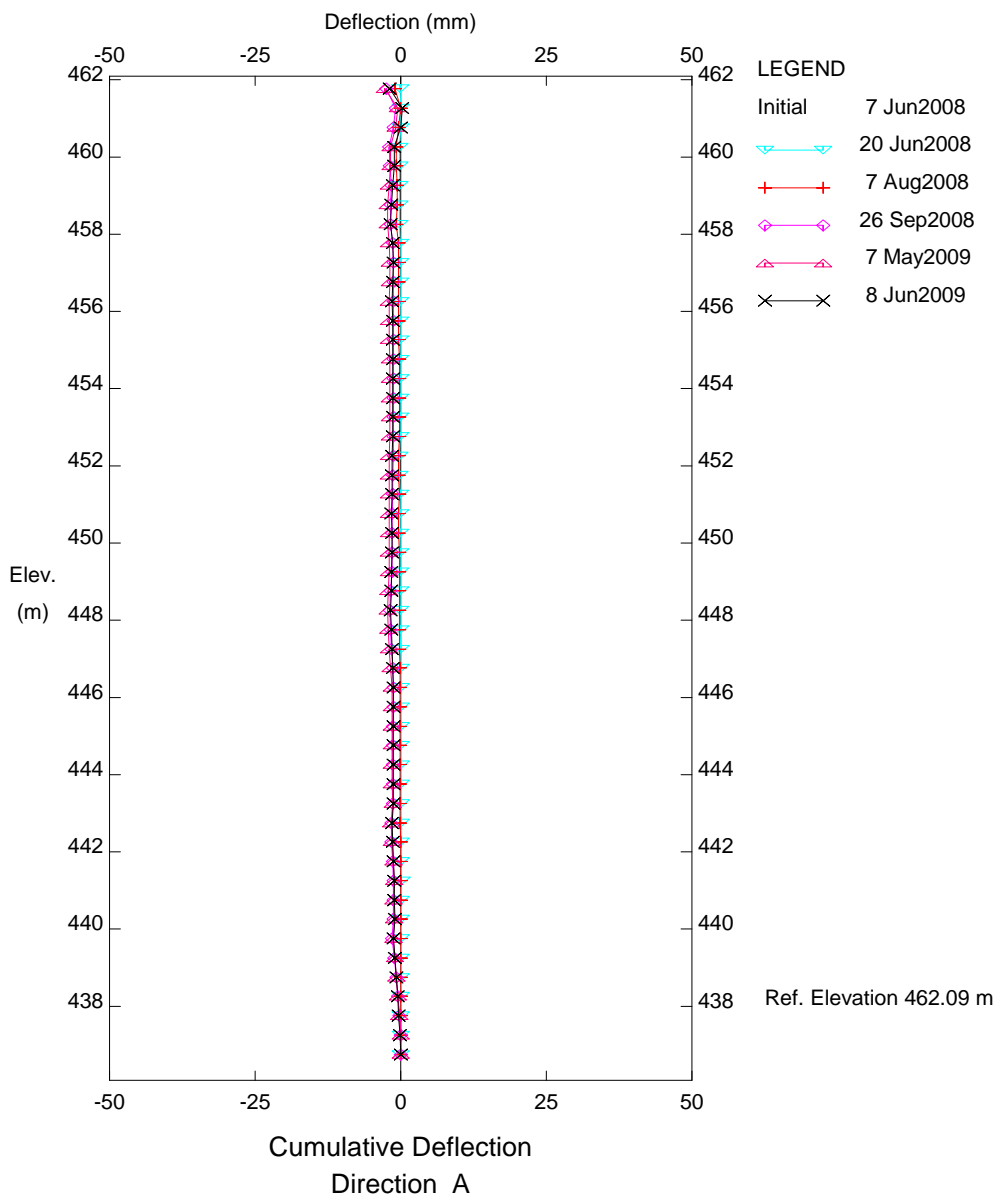


Hwy 41:03 - Elkwater Area A, Inclinometer SI 08-2
Alberta Transportation

Figure S26-6

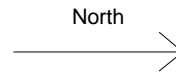
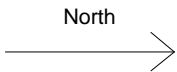


AMEC Earth & Environmental - Calgary, AB

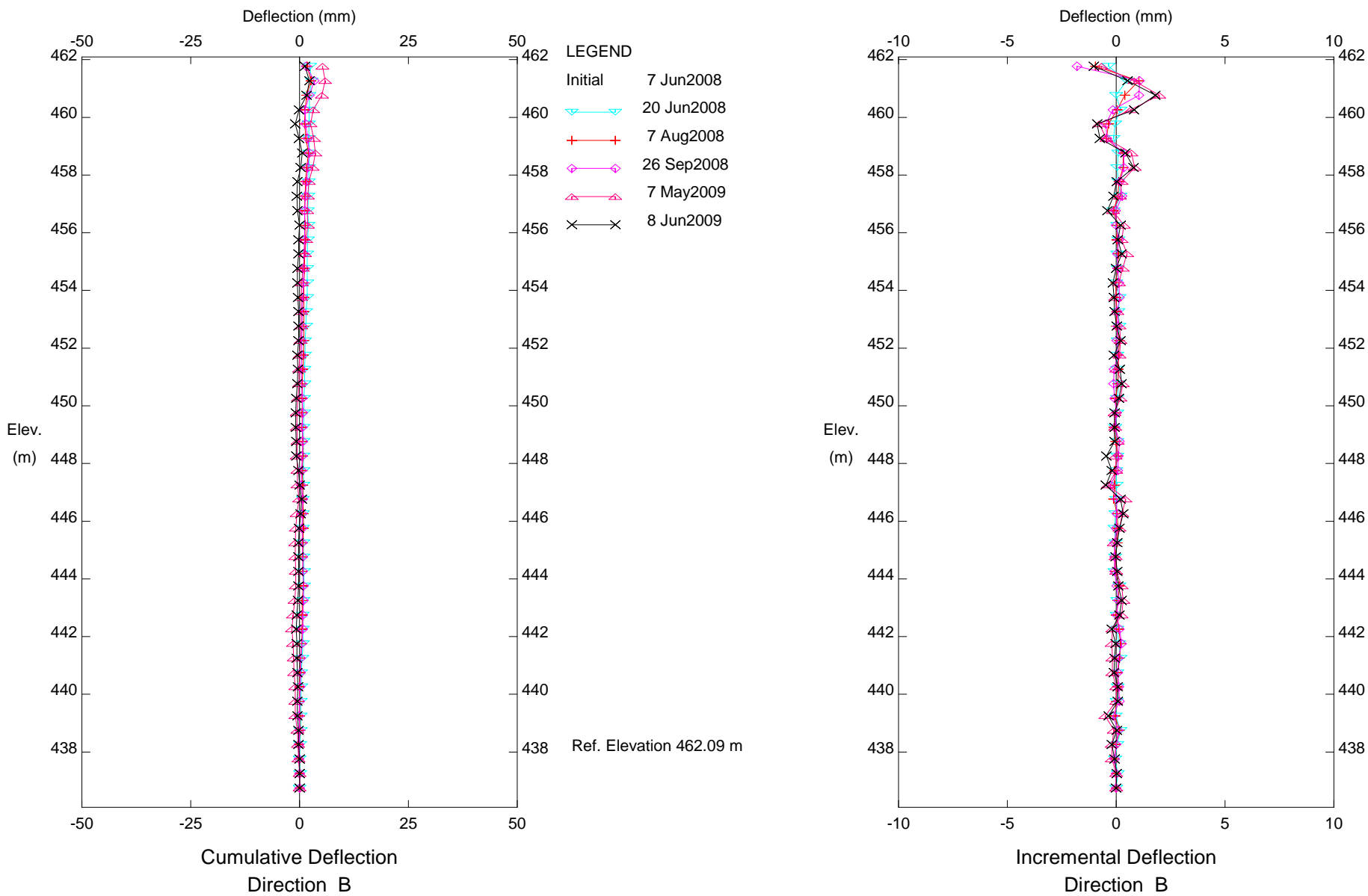


Hwy 41:03 - Elkwater Area A, Inclinator SI 08-3
Alberta Transportation

Figure S26-7



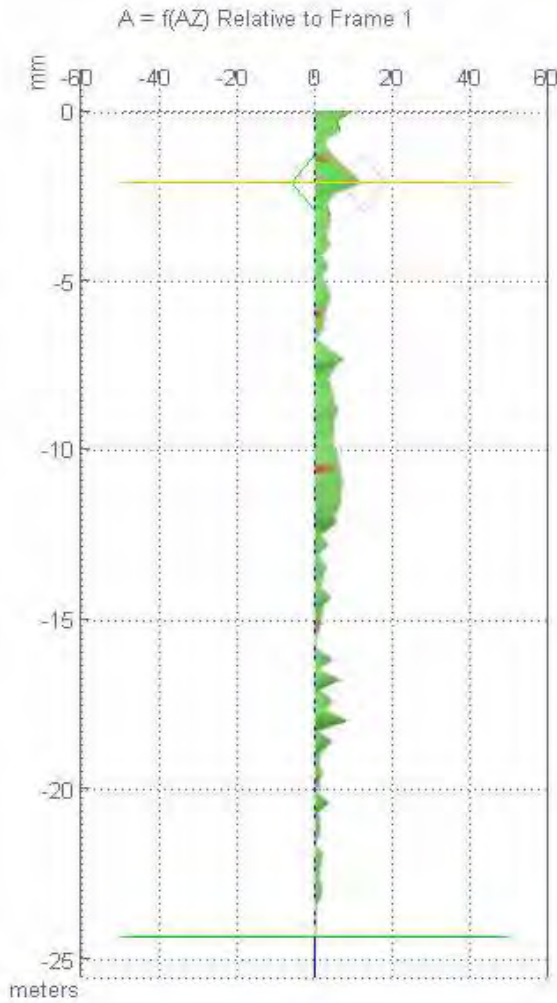
AMEC Earth & Environmental - Calgary, AB



Hwy 41:03 - Elkwater Area A, Inclinometer SI 08-3
Alberta Transportation

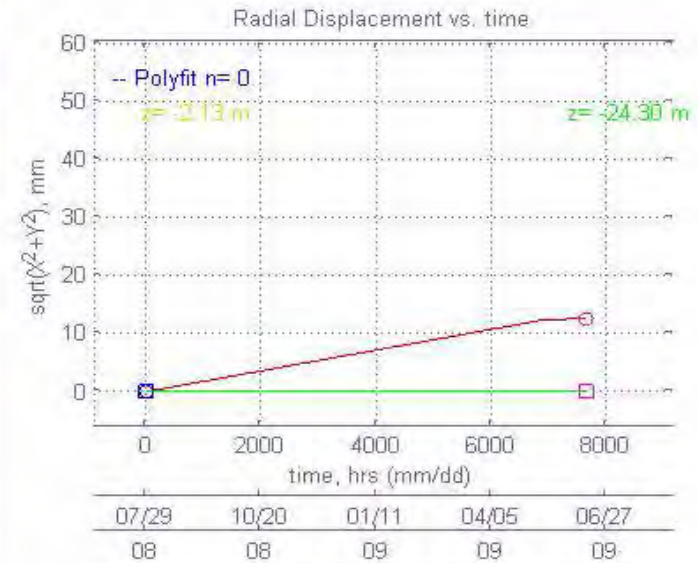
Figure S26-8

2008-07-01 02:01:17 >> 2009-07-02 03:24:54 UTC



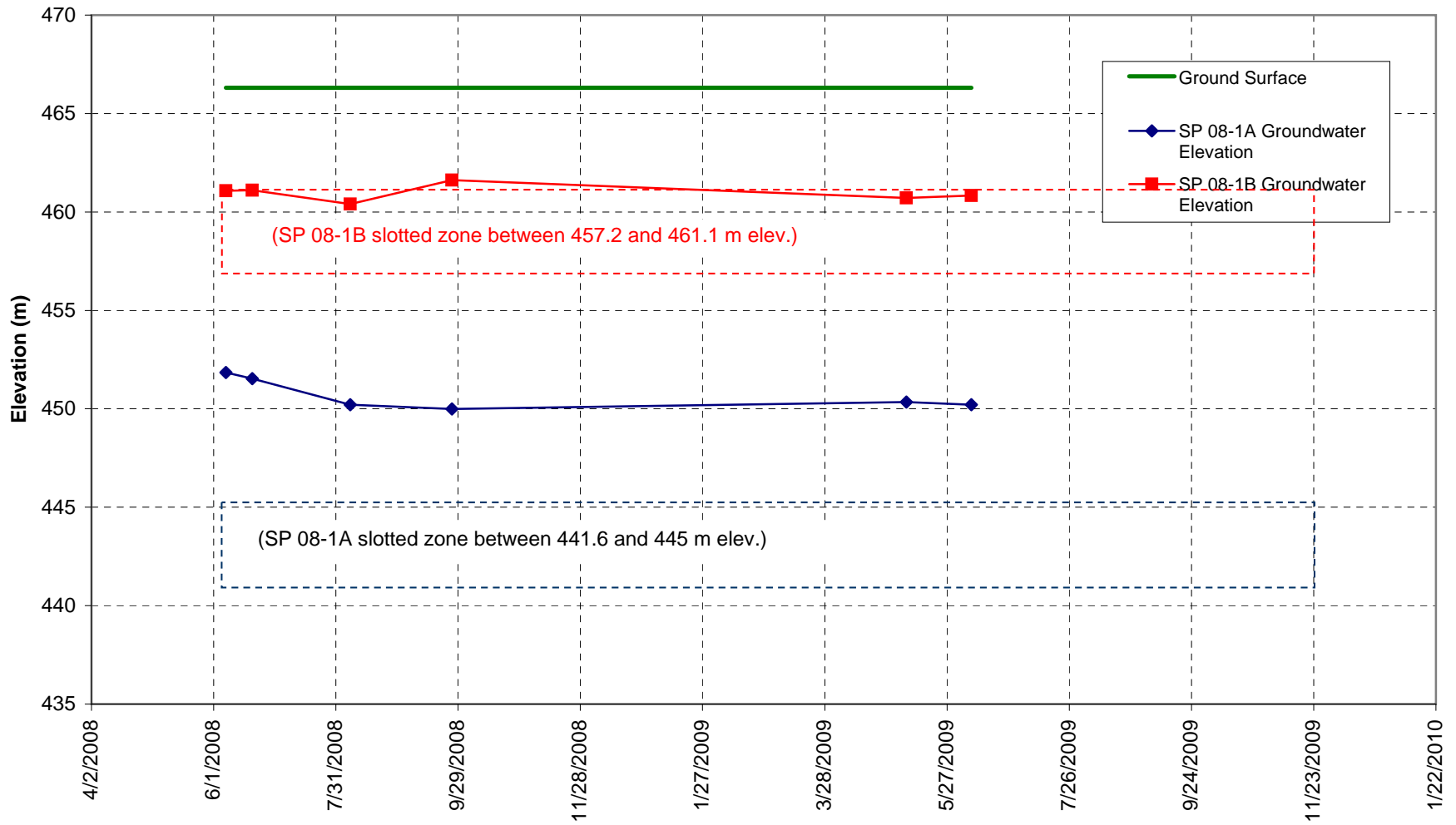
AZ 360

AutoAz
Z_Az
Az=0
Az- Az+
R- R+
R1 R2
R3 R4



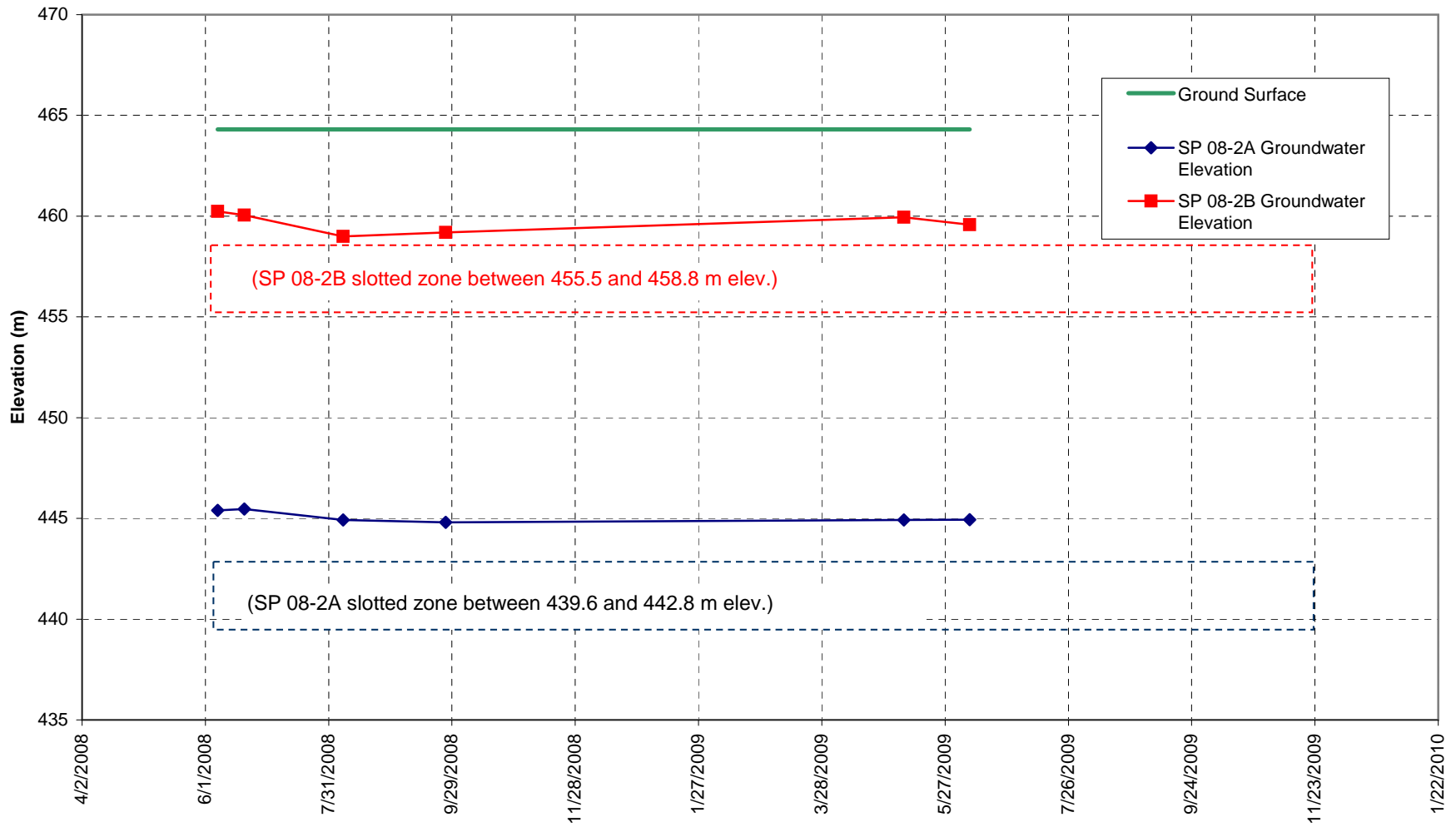
Client	Alberta Transportation		Fig S26-9	
Project	Site S26 - Hwy 41:03 - Elkwater "Area A"		Date:	Revision
SAA Data Plot - Resultant Movement From June 2008 To July 2009			Jul-09	
			Job No. CG25309.C	





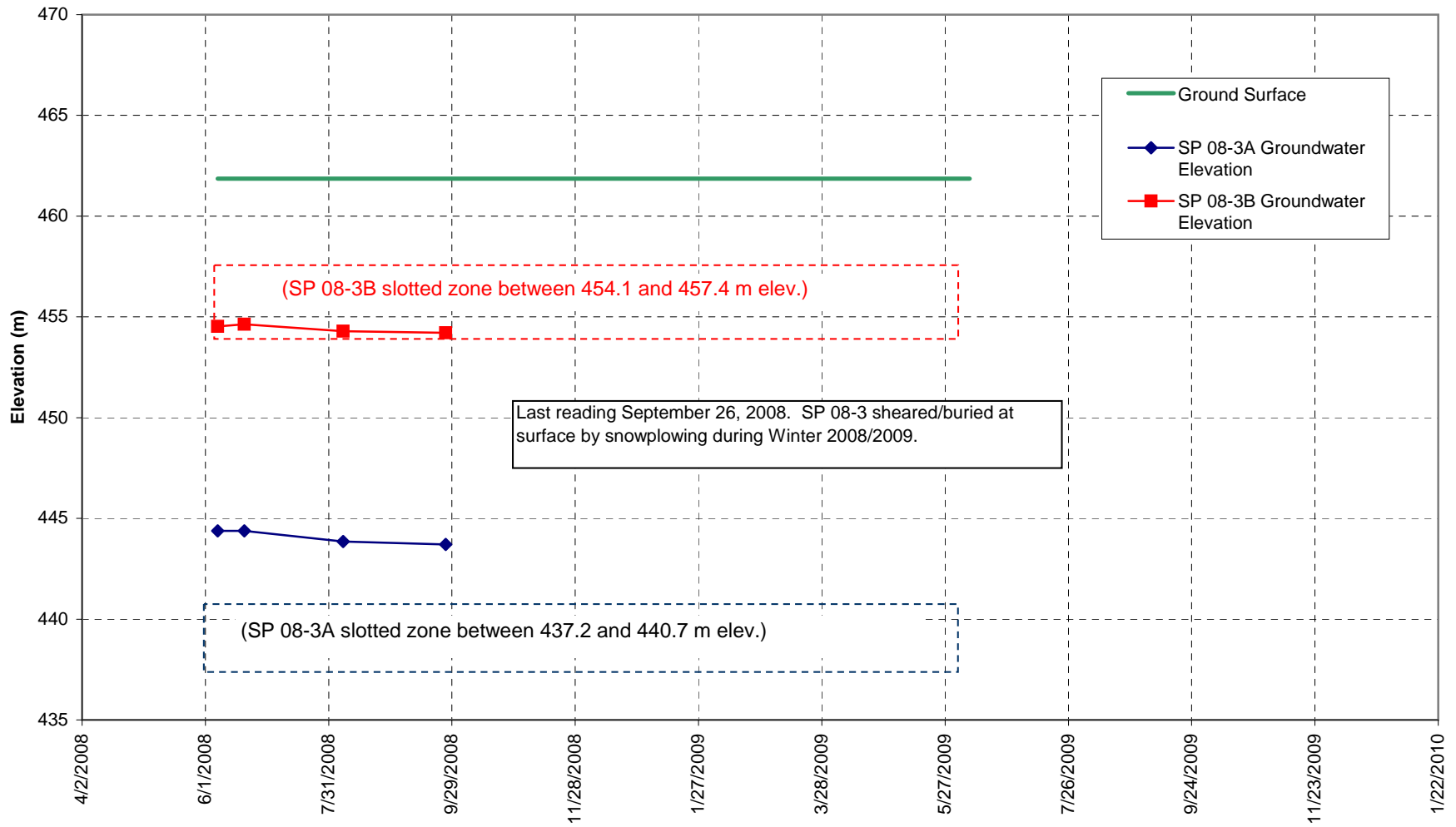
Client	Alberta Transportation		Fig S26-10	
Project	Site S26 - Hwy 41:03 - Elkwater "Area A"		Date:	Revision
Groundwater Elevations At Standpipe 08-1			Jul-09	
			Job No.	
			CG25309.C	





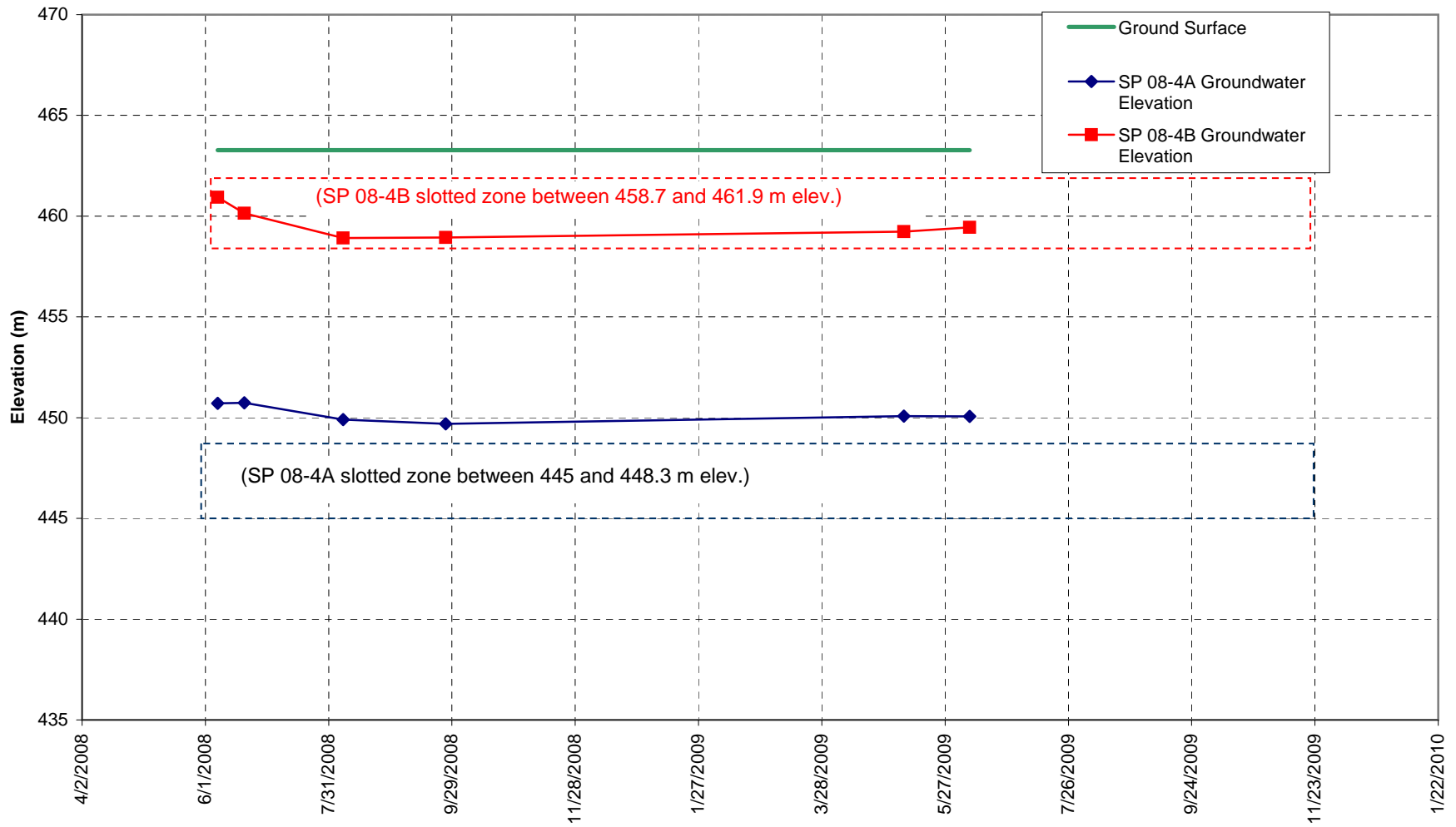
Client	Alberta Transportation		Fig S26-11	
Project	Site S26 - Hwy 41:03 - Elkwater "Area A"		Date:	Revision
Groundwater Elevations At Standpipe 08-2			Jul-09	
			Job No.	
			CG25309.C	





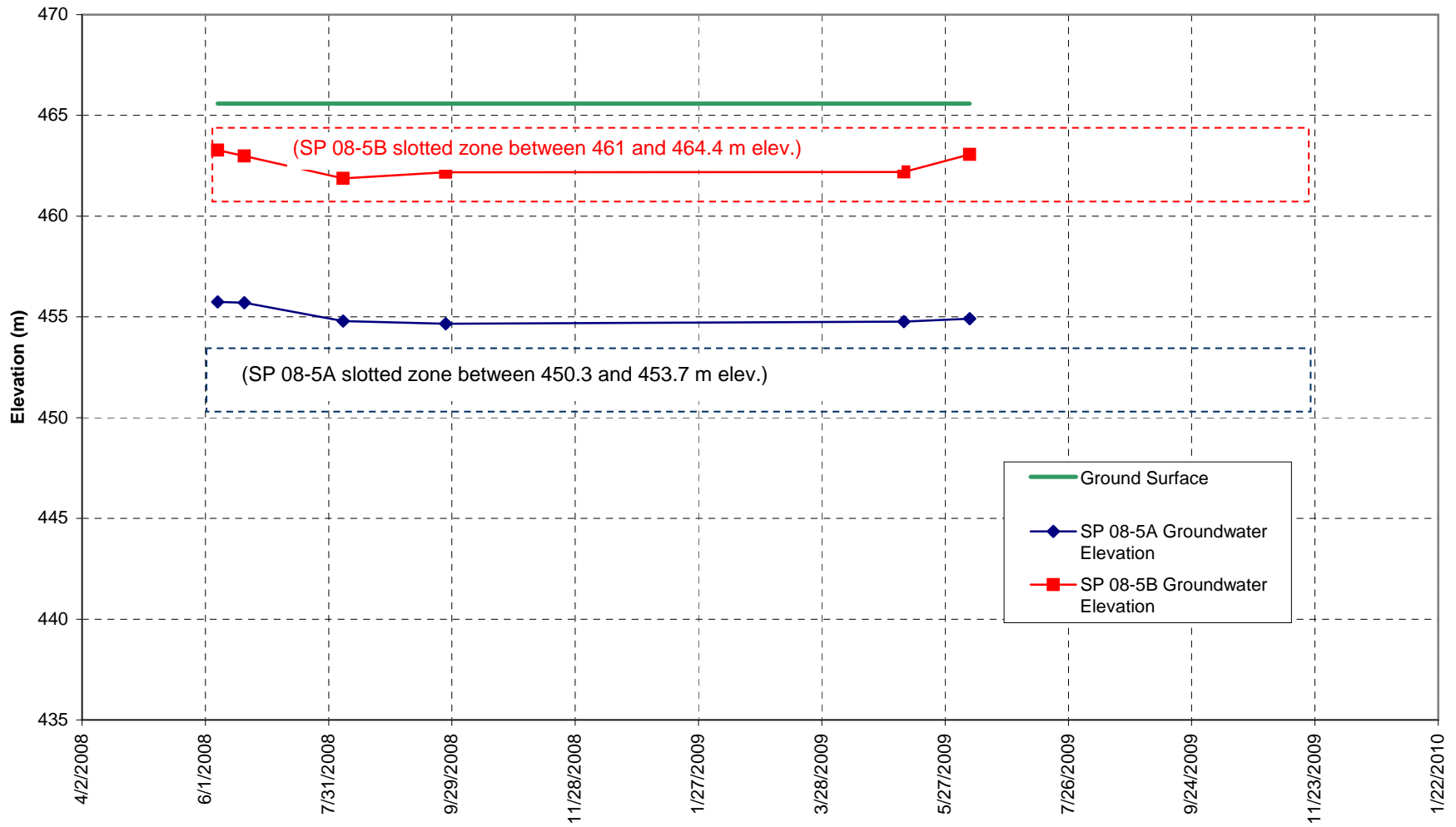
Client	Alberta Transportation		Fig S26-12	
Project	Site S26 - Hwy 41:03 - Elkwater "Area A"		Date:	Revision
Groundwater Elevations At Standpipe 08-3			Jul-09	
			Job No.	
			CG25309.C	





Client	Alberta Transportation		Fig S26-13	
Project	Site S26 - Hwy 41:03 - Elkwater "Area A"		Date:	Revision
Groundwater Elevations At Standpipe 08-4			Jul-09	
			Job No.	
				CG25309.C





Client	Alberta Transportation		Fig S26-14	
Project	Site S26 - Hwy 41:03 - Elkwater "Area A"		Date:	Revision
Groundwater Elevations At Standpipe 08-5			Jul-09	
			Job No.	
			CG25309.C	

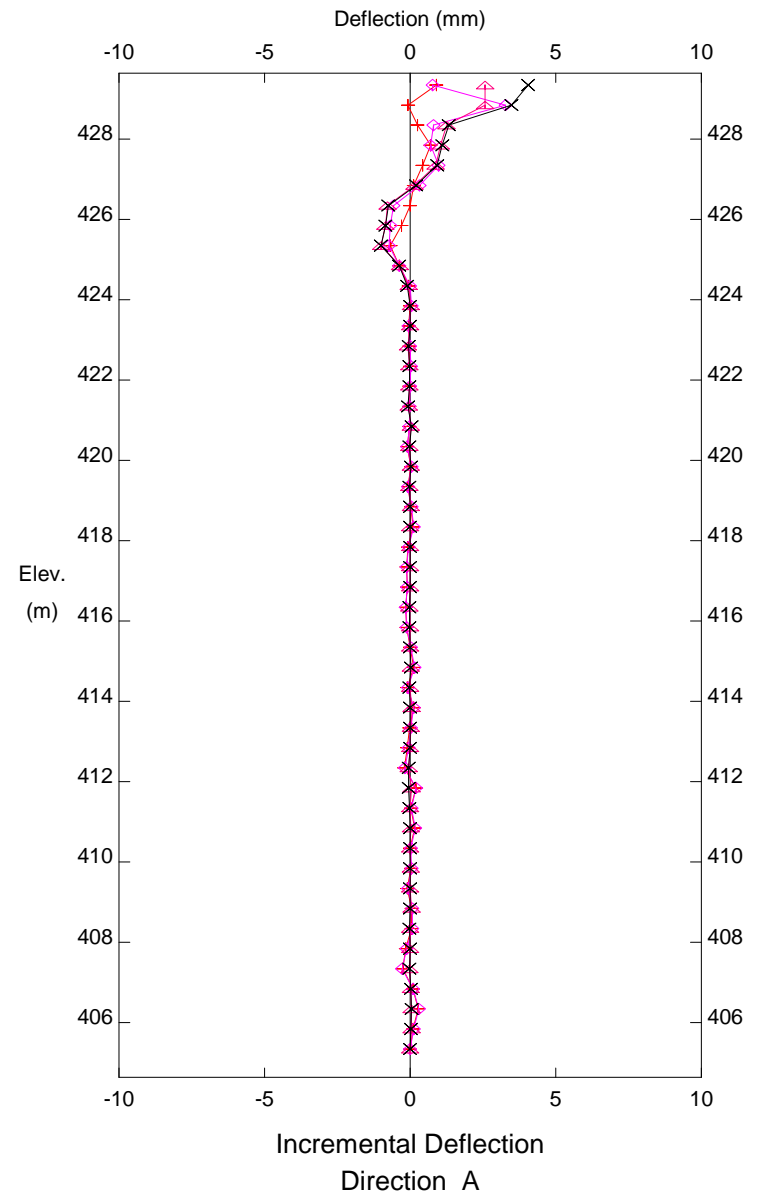
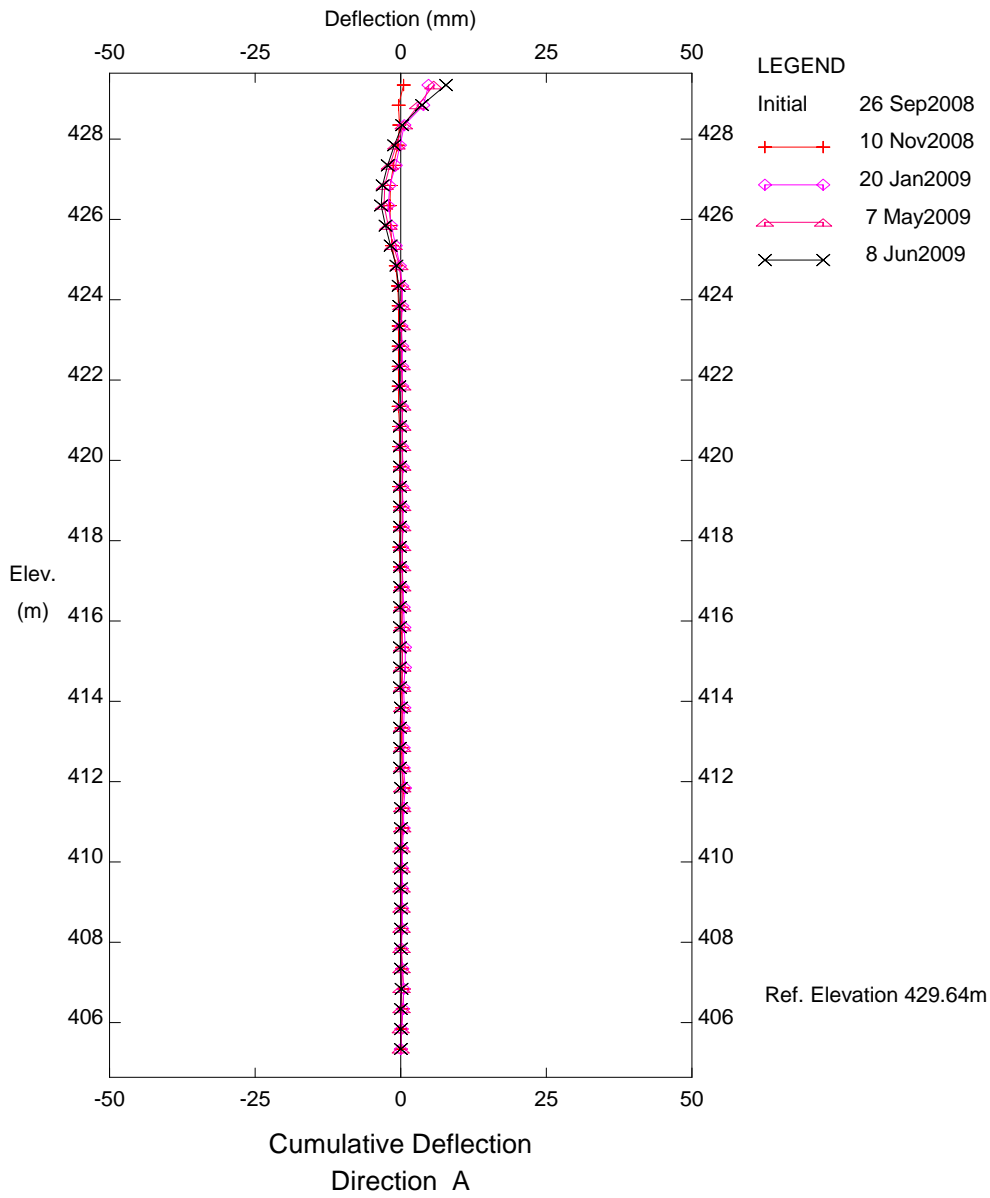


Towards 296° (Downslope)



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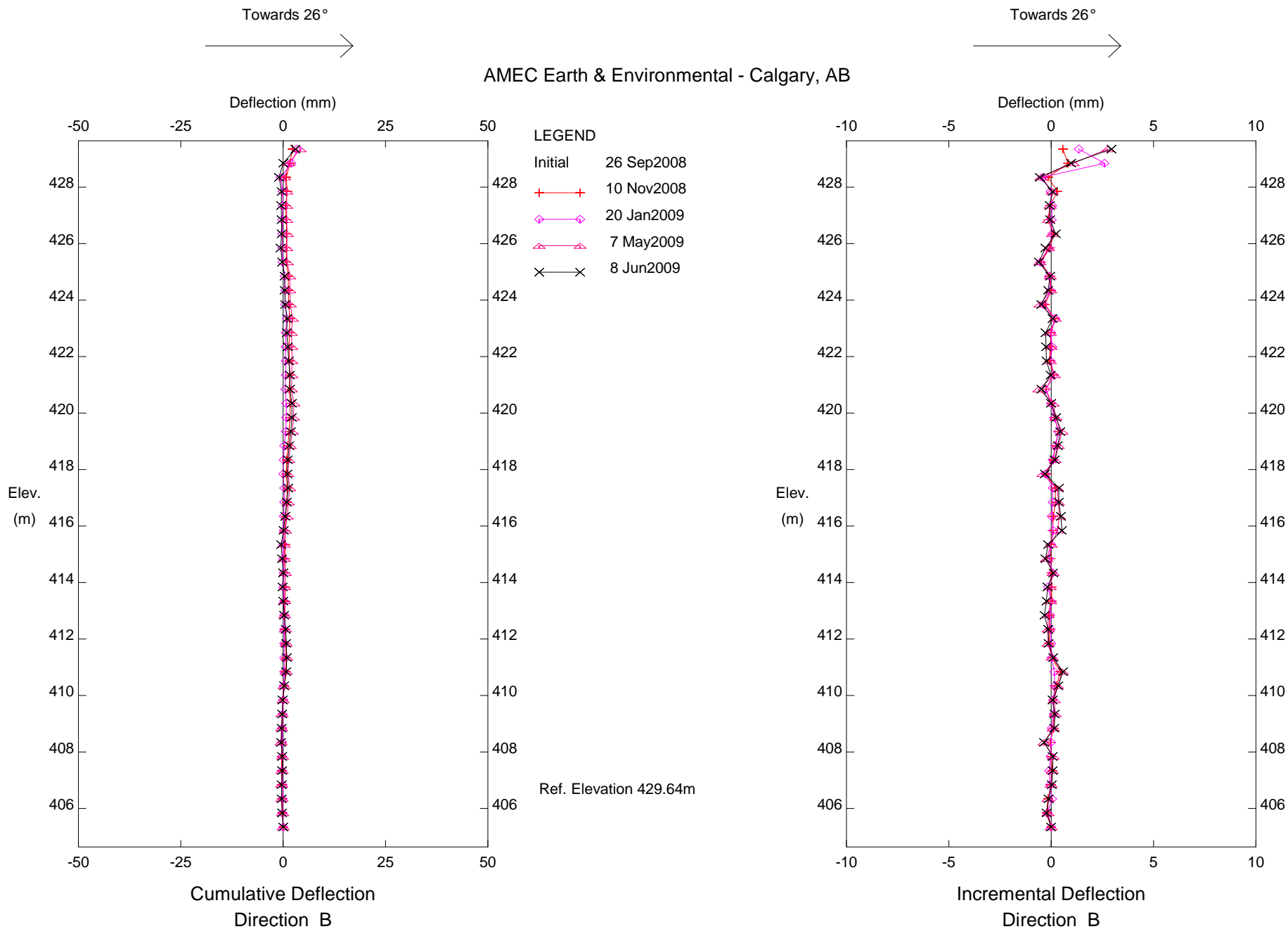
Towards 296° (Downslope)



Elkwater - Area B, Inclinator 08-4
Alberta Transportation

Figure S26-15

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Elkwater - Area B, Inclinometer 08-4
Alberta Transportation

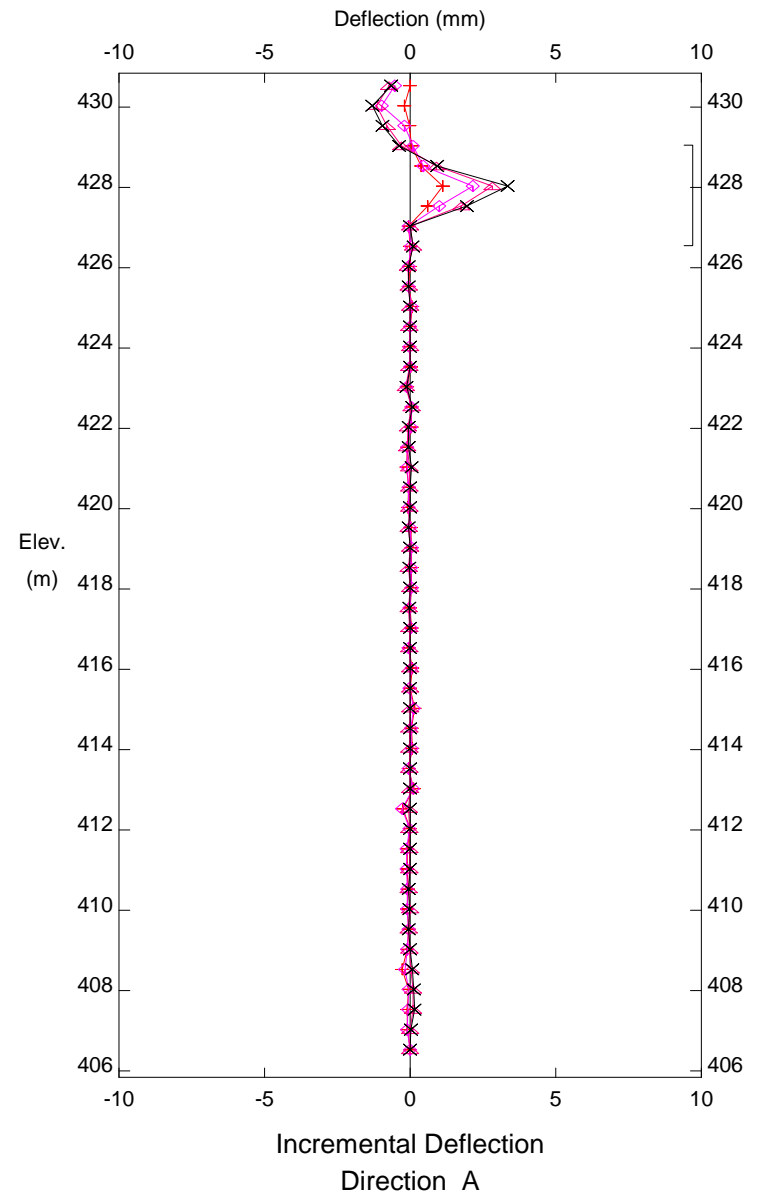
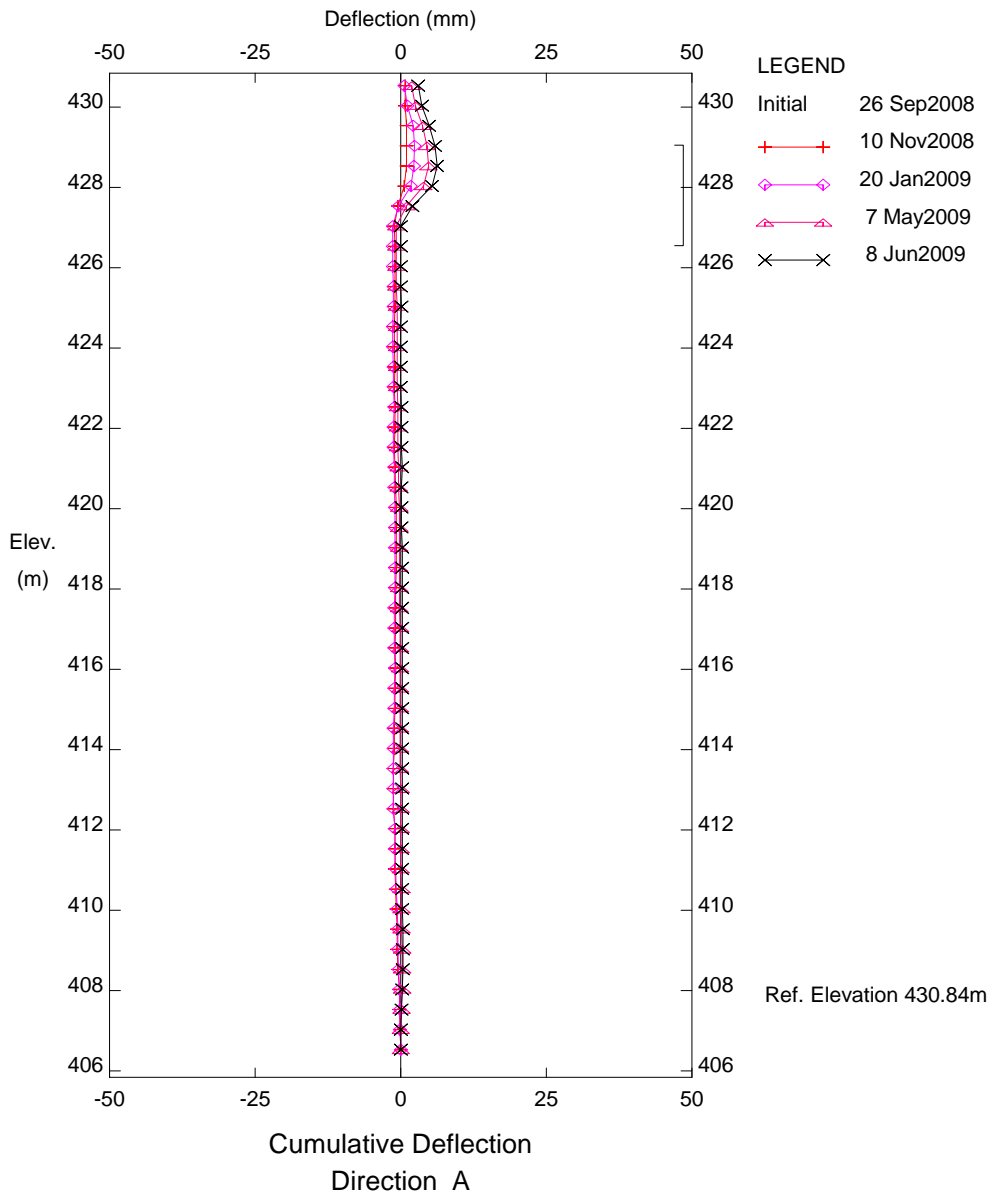
Figure S26-16

Towards 246° (Downslope)



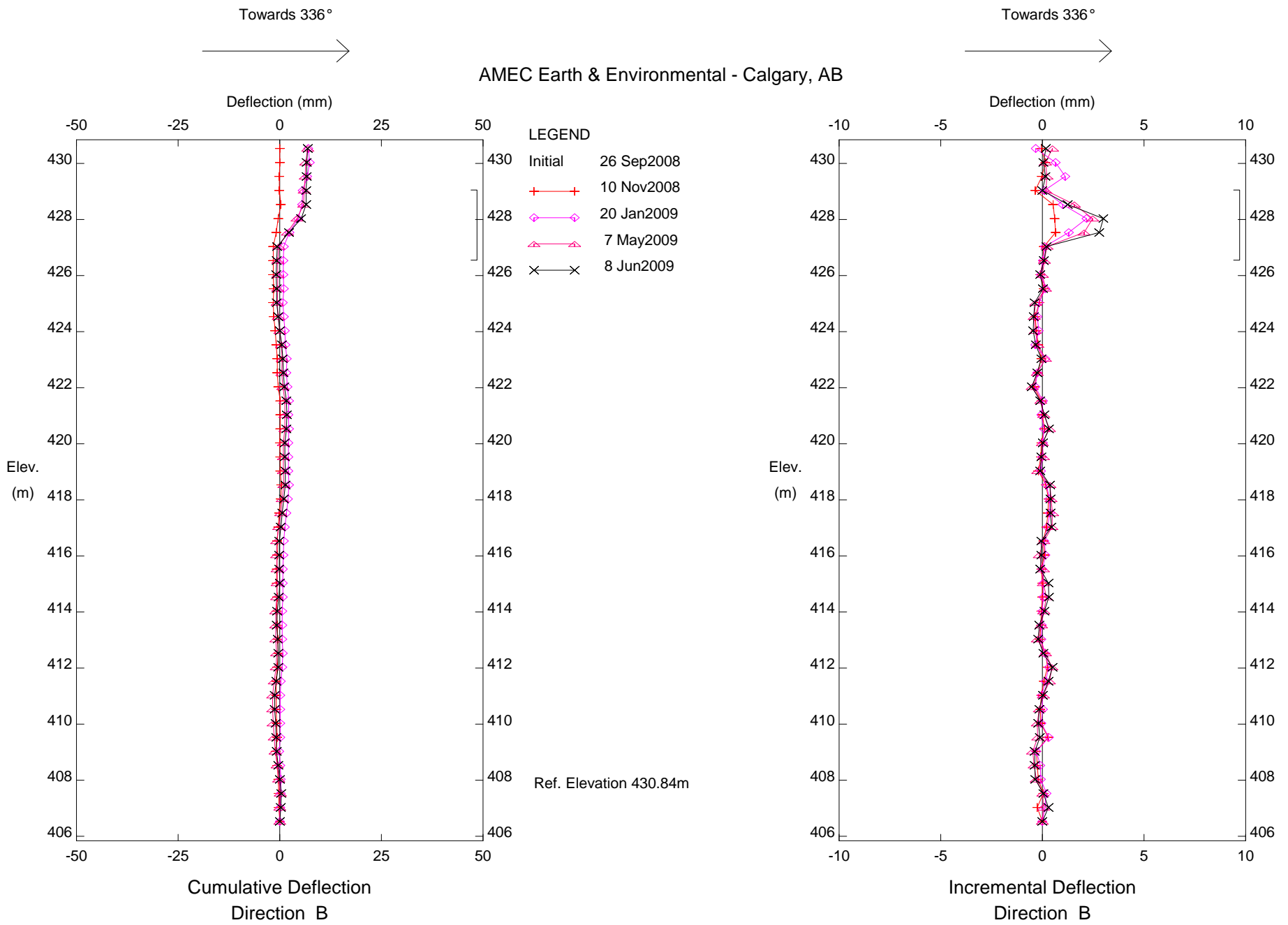
AMEC Earth & Environmental - Calgary, AB

Towards 246° (Downslope)



Elkwater - Area B, Inclinator 08-5
Alberta Transportation

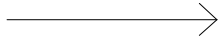
Figure S26-17



Elkwater - Area B, Inclinator 08-5
Alberta Transportation

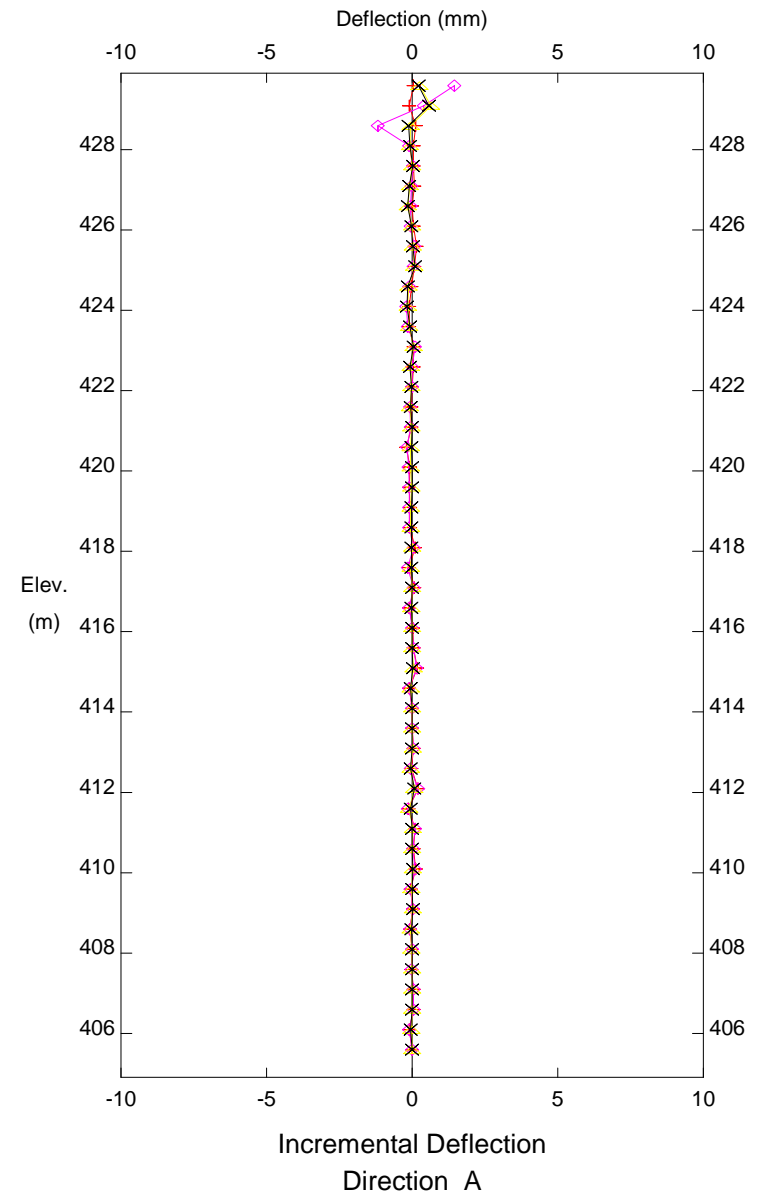
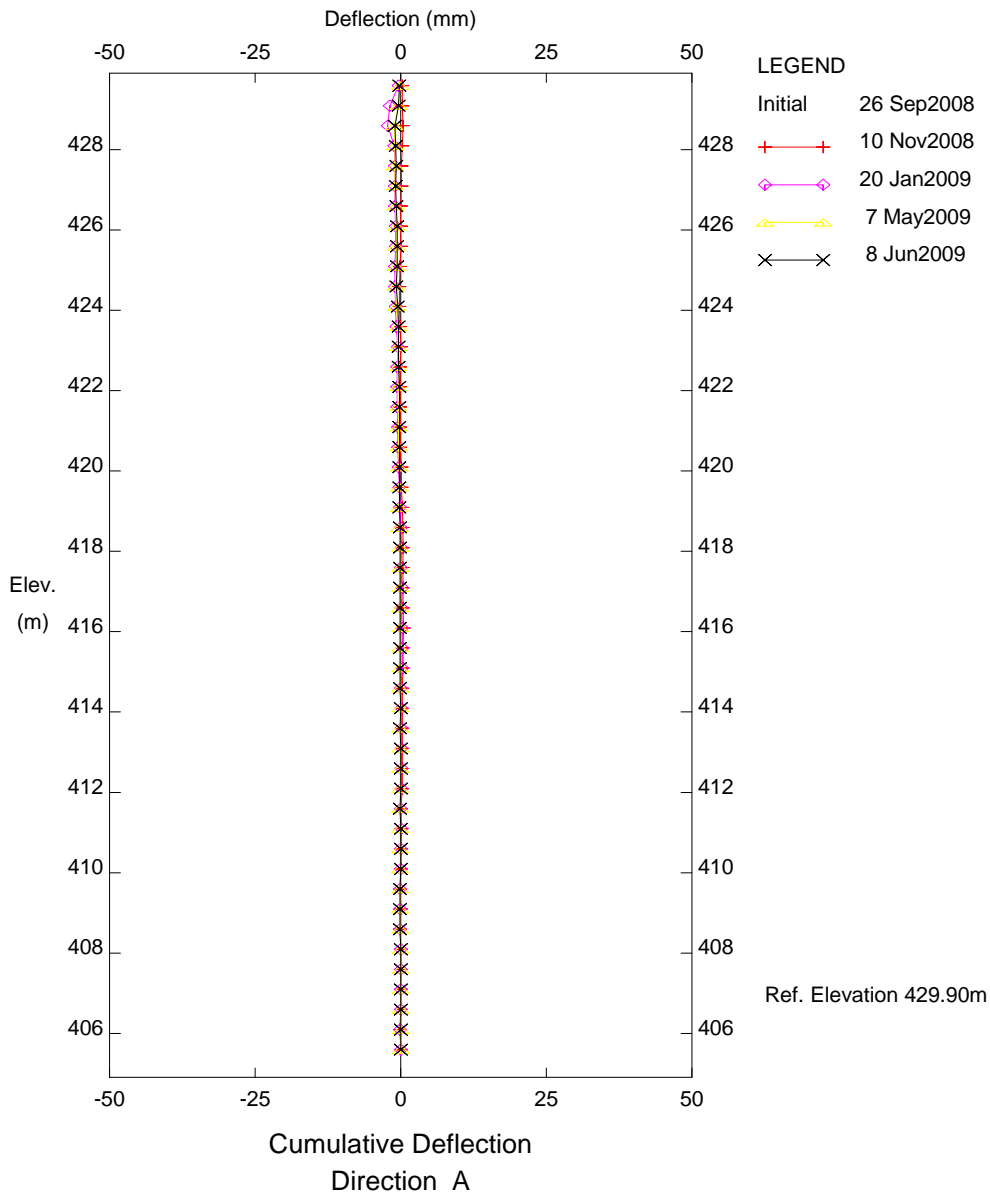
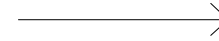
Figure S26-18

Towards 246° (Downslope)



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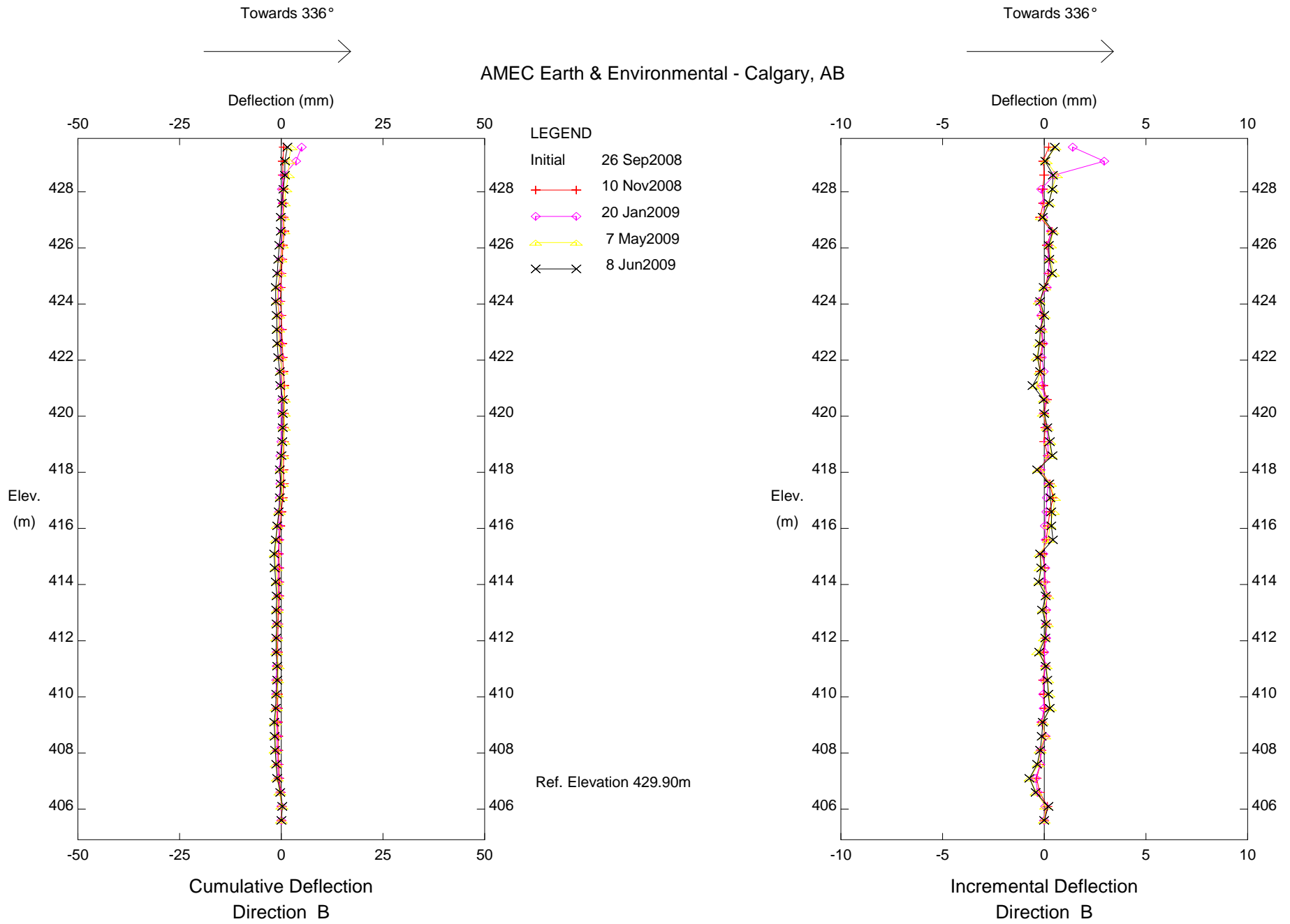
Towards 246° (Downslope)



Elkwater - Area B, Inclinator 08-6
Alberta Transportation

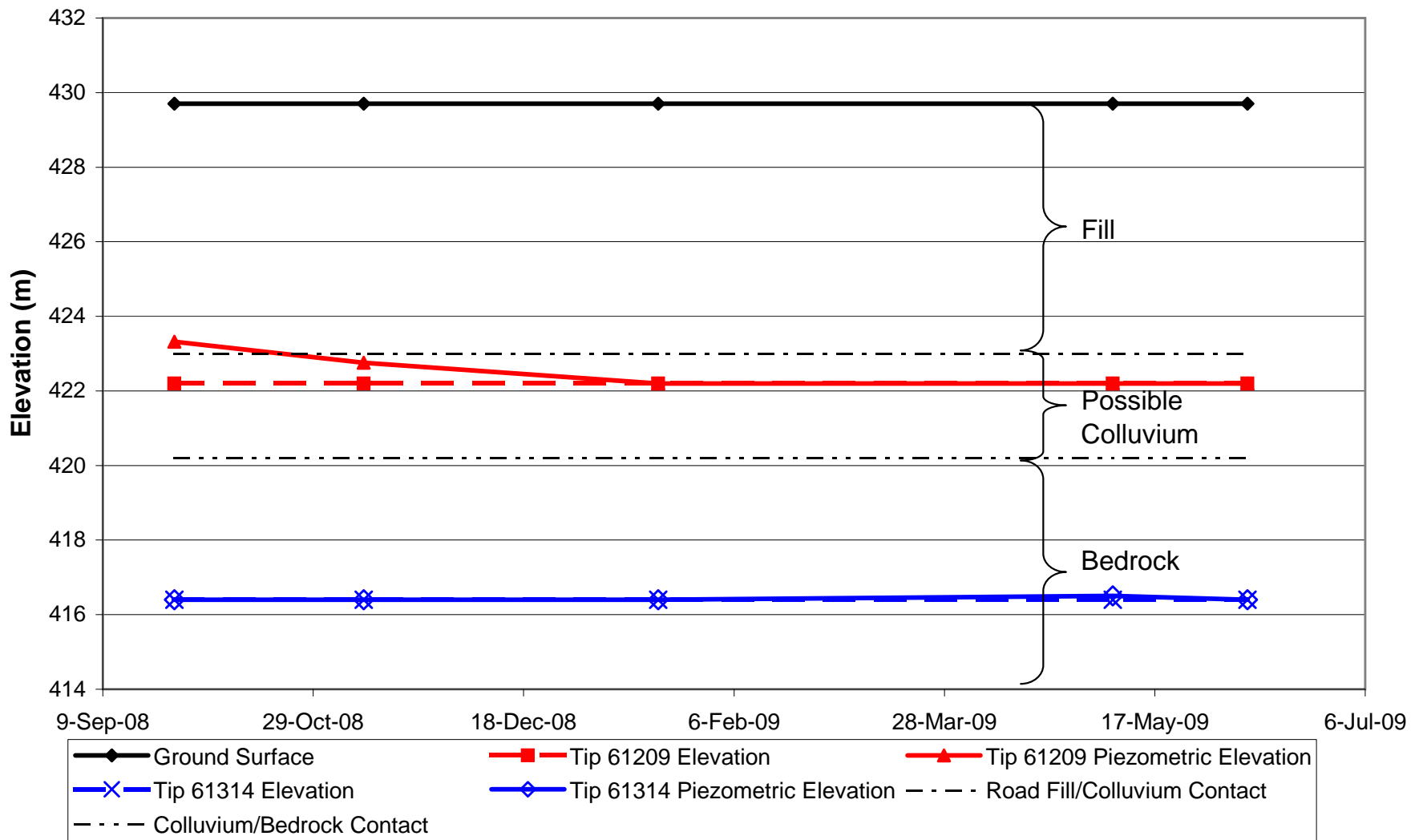
Figure S26-19

AMEC Earth & Environmental - Calgary, AB



Elkwater - Area B, Inclinometer 08-6
Alberta Transportation

Figure S26-20



Client	Alberta Transportation		Figure S26-21	
Project	Site S26 - Hwy 41:03 - Elkwater "Area B"		Date:	Revision
Equivalent Piezometric Surfaces Based on Pressures Measured at "Area B" Piezometers			Jul-09	
			Job No.	CG25309.C
			File No.:	



TABLE S26-1

PROJECT:

File No.

DESCRIPTION: Elkwater "Area B"

PIEZOMETER:

NUMBER: : 61209

STATION:

LOCATION:

SOIL TYPE: GRAVEL/COBBLES

AVG SOIL DENSITY (kg/m3): 2000

ELEVATION INITIAL GROUND (m):

429.7 PIEZOMETER TIP (m): 422.2

DATE	PRESENT GROUND ELEV. (m)	FIELD READING (kpa)	PIEZO HEAD (above tip) (m)	PIEZO ELEV. (m)	Ru	Rue	REMARKS
26-Sep-08	429.70	11.00	1.12	423.32	0.07	-0.06	
10-Nov-08	429.70	5.45	0.56	422.76	0.04	-0.09	
19-Jan-09	429.70	0.00	0.00	422.20	0.00	-0.13	
7-May-09	429.70	0.00	0.00	422.20	0.00	-0.13	
8-Jun-09	429.70	0.00	0.00	422.20	0.00	-0.13	

TABLE S26-2

PROJECT:

File No.

DESCRIPTION: Elkwater "Area B"

PIEZOMETER:

NUMBER: : 61314

STATION:

LOCATION:

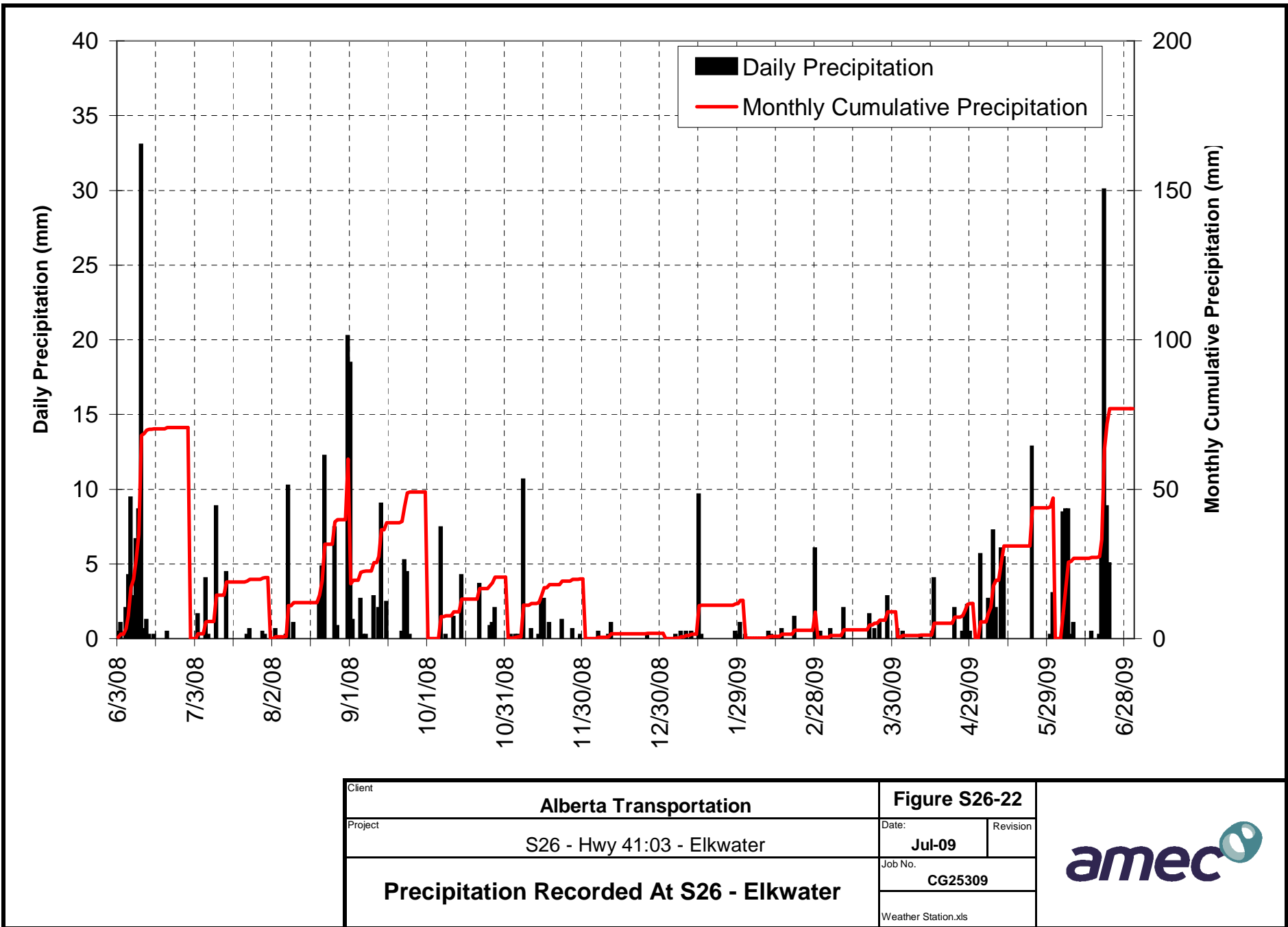
SOIL TYPE: GRAVEL/COBBLES

AVG SOIL DENSITY (kg/m3): 2200

ELEVATION INITIAL GROUND (m):

429.7 PIEZOMETER TIP (m): 416.4

DATE	PRESENT GROUND ELEV. (m)	FIELD READING (kpa)	PIEZO HEAD (above tip) (m)	PIEZO ELEV. (m)	Ru	Rue	REMARKS
26-Sep-08	429.70	0.00	0.00	416.40	0.00	-0.13	
10-Nov-08	429.70	0.00	0.00	416.40	0.00	-0.13	
19-Jan-09	429.70	0.00	0.00	416.40	0.00	-0.13	
7-May-09	429.70	1.00	0.10	416.50	0.01	-0.12	
8-Jun-09	429.70	0.00	0.00	416.40	0.00	-0.13	



Client	Alberta Transportation		Figure S26-22	
Project	S26 - Hwy 41:03 - Elkwater		Date:	Revision
Precipitation Recorded At S26 - Elkwater			Jul-09	
			Job No.	CG25309
			Weather Station.xls	

