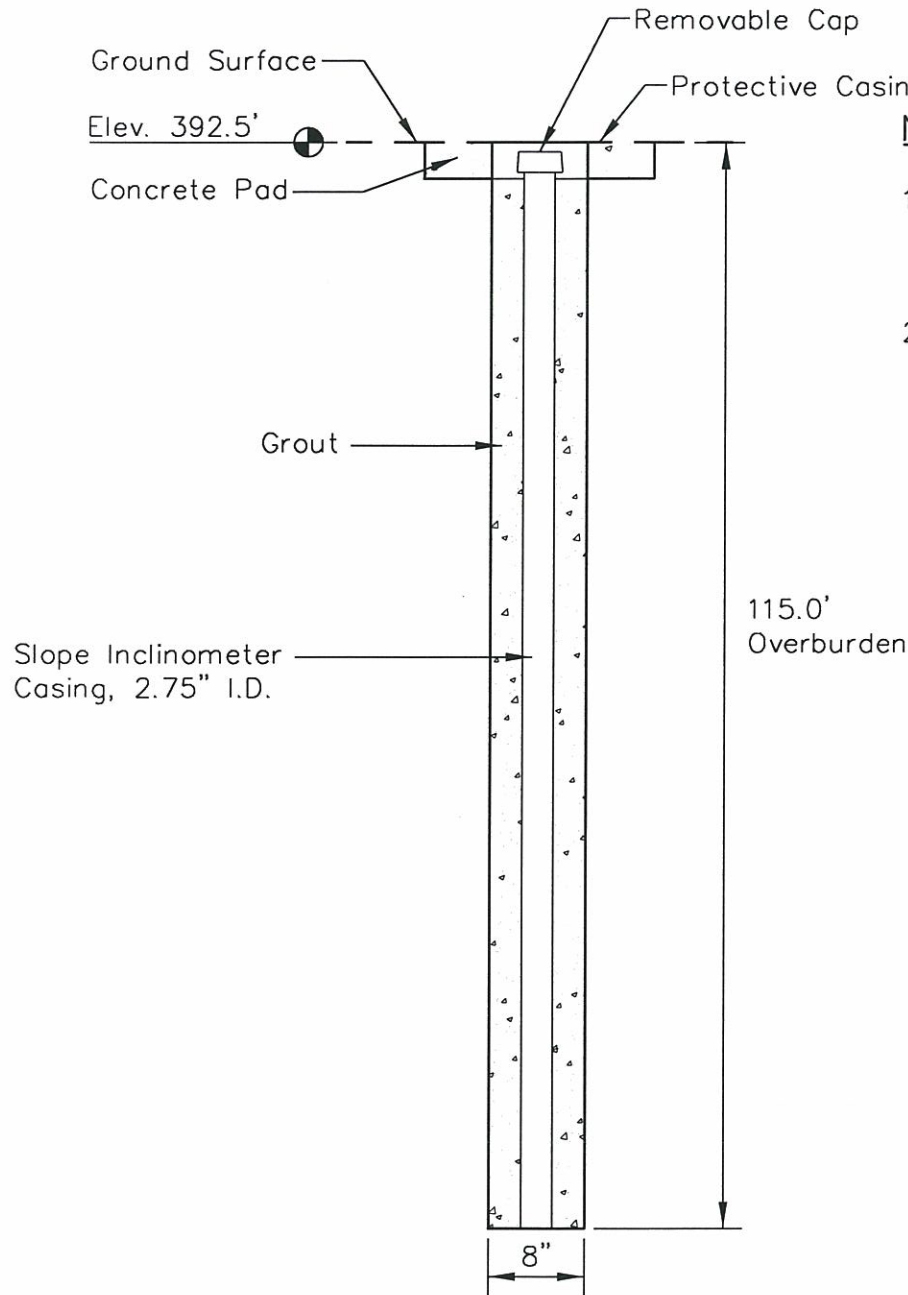


## **Appendix I**

# **Slope Inclinometer Installation Details and Surveys**



**NOTES:**

1. Installed on 08/19/09. Boring advanced with 4.25" I.D. HSA.
2. Refer to boring log for overburden stratigraphy.

P:\01 DATE: 02/02/2010 USER: PERRY, R CHARO  
 W:\755\ACTIVE\75559008\GEO\TECHNICAL\DRAW\NG\FZ DETAIL\SI\9008\FZ STN. SI 1.DWG

**LOCATION**

Northing: 601441.71  
 Easting: 1411095.09  
 Ground Elevation: 392.5'


Locations to be provided by TVA,  
 Power Systems Operations,  
 Surveying and Project Services.  
 Horizontal Datum: NAD 27  
 Vertical Datum: NGVD29

**STN-SI-1**

**SLOPE INCLINOMETER DETAIL**

**JOHNSONVILLE FOSSIL PLANT**

**ASH DISPOSAL AREAS 2 AND 3**

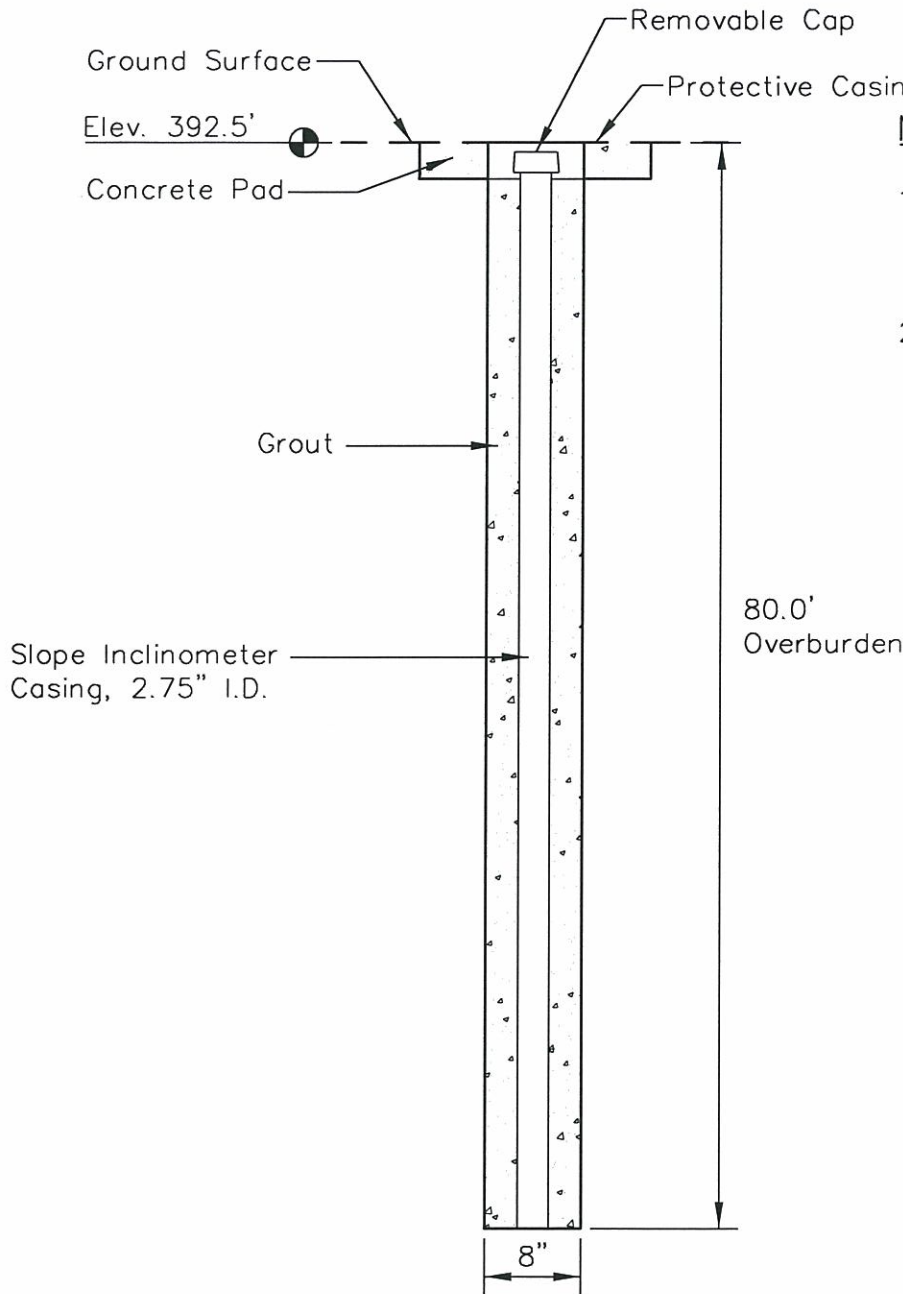


Stantec

Stantec Consulting Services Inc.  
 1901 Nelson Miller Parkway  
 Louisville, Kentucky  
 40223-2177  
 502-212-5000

www.stantec.com

DRAWN BY	SB	DATE	JAN. 2010	REVISED		SHEET
CHECKED BY	PJC	PROJ. NO.	175559008	1.	3.	1 OF 5
CHECKED BY	SHB	SCALE	NTS	2.	4.	



**NOTES:**

1. Installed on 02/16/10. Boring advanced with 4.25" I.D. HSA.
2. Refer to boring log for overburden stratigraphy.

P:\07 DATE: 04/08/2010 USER: PETTY, RICHARD V:\755\ACTIVE\75559008\GEO\TECHNICAL\DRAW\AG\FZ\_DETAILS\59008\FZ\_STN - S - 1A.DWG

**LOCATION**

Northing: 601441.71  
 Easting: 1411095.09  
 Ground Elevation: 392.5'

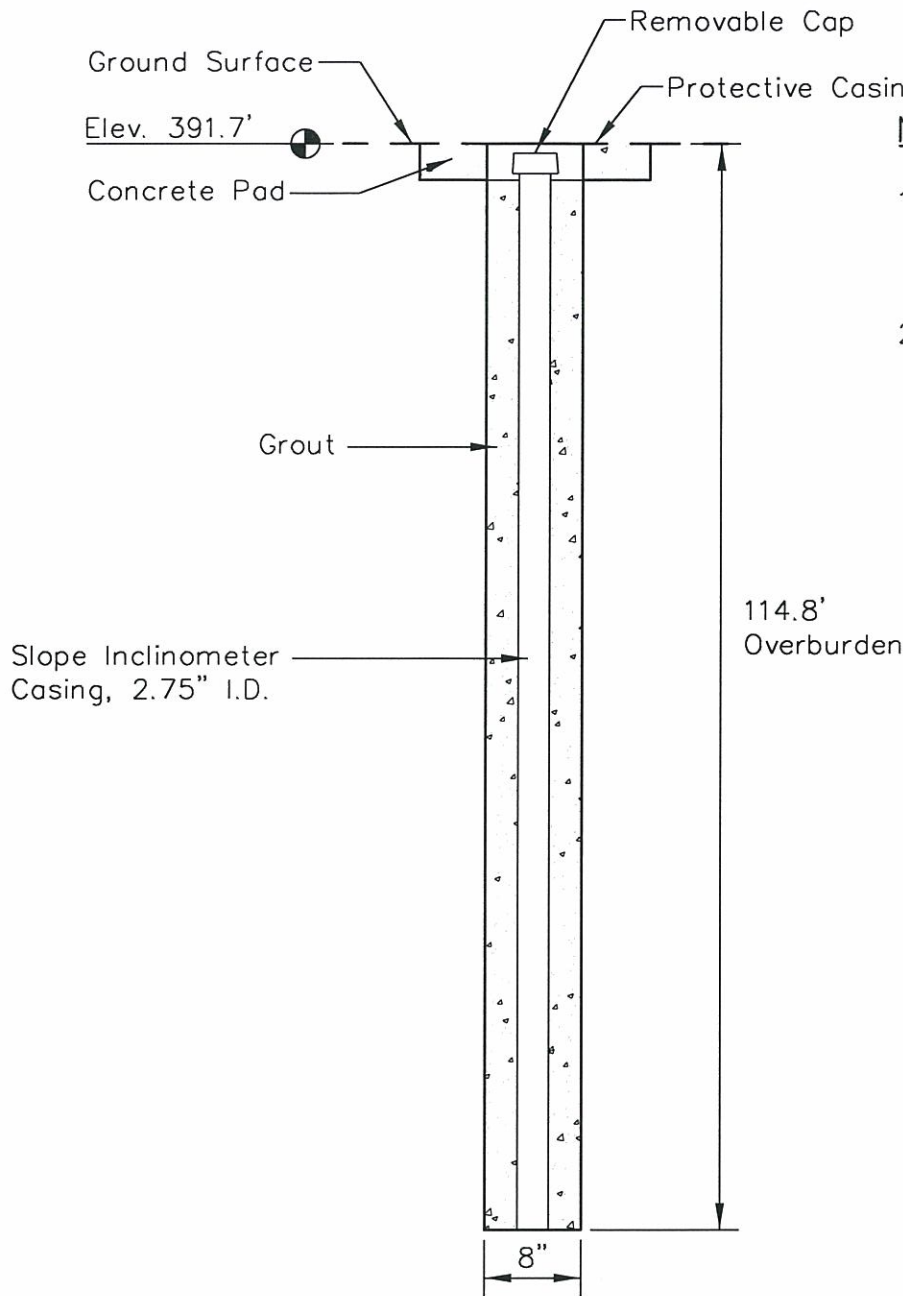
Locations to be provided by TVA, Power Systems Operations, Surveying and Project Services.  
 Horizontal Datum: NAD 27  
 Vertical Datum: NGVD29

**STN-SI-1A**  
**SLOPE INCLINOMETER DETAIL**  
**JOHNSONVILLE FOSSIL PLANT**  
**ASH DISPOSAL AREAS 2 AND 3**

Stantec Consulting Services Inc.  
 1901 Nelson Miller Parkway  
 Louisville, Kentucky  
 40223-2177  
 502-212-5000

[www.stantec.com](http://www.stantec.com)

DRAWN BY	SB	DATE	JAN. 2010	REVISED		<b>SHEET</b>  <b>2 OF 5</b>
CHECKED BY	PJC	PROJ. NO.	175559008	1.	3.	
CHECKED BY	SHB	SCALE	NTS	2.	4.	



**NOTES:**

1. Installed on 08/20/09. Boring advanced with 4.25" I.D. HSA.
2. Refer to boring log for overburden stratigraphy.

P:\07 DATE: 02/02/2010 USER: PETTY, RICHARD V:\755\ACTIVE\75559008\GEO\TECHNICAL\DRAW\NGVPZ\_DETAILS\99008PZ\_STN\_S\_2.DWG

**LOCATION**

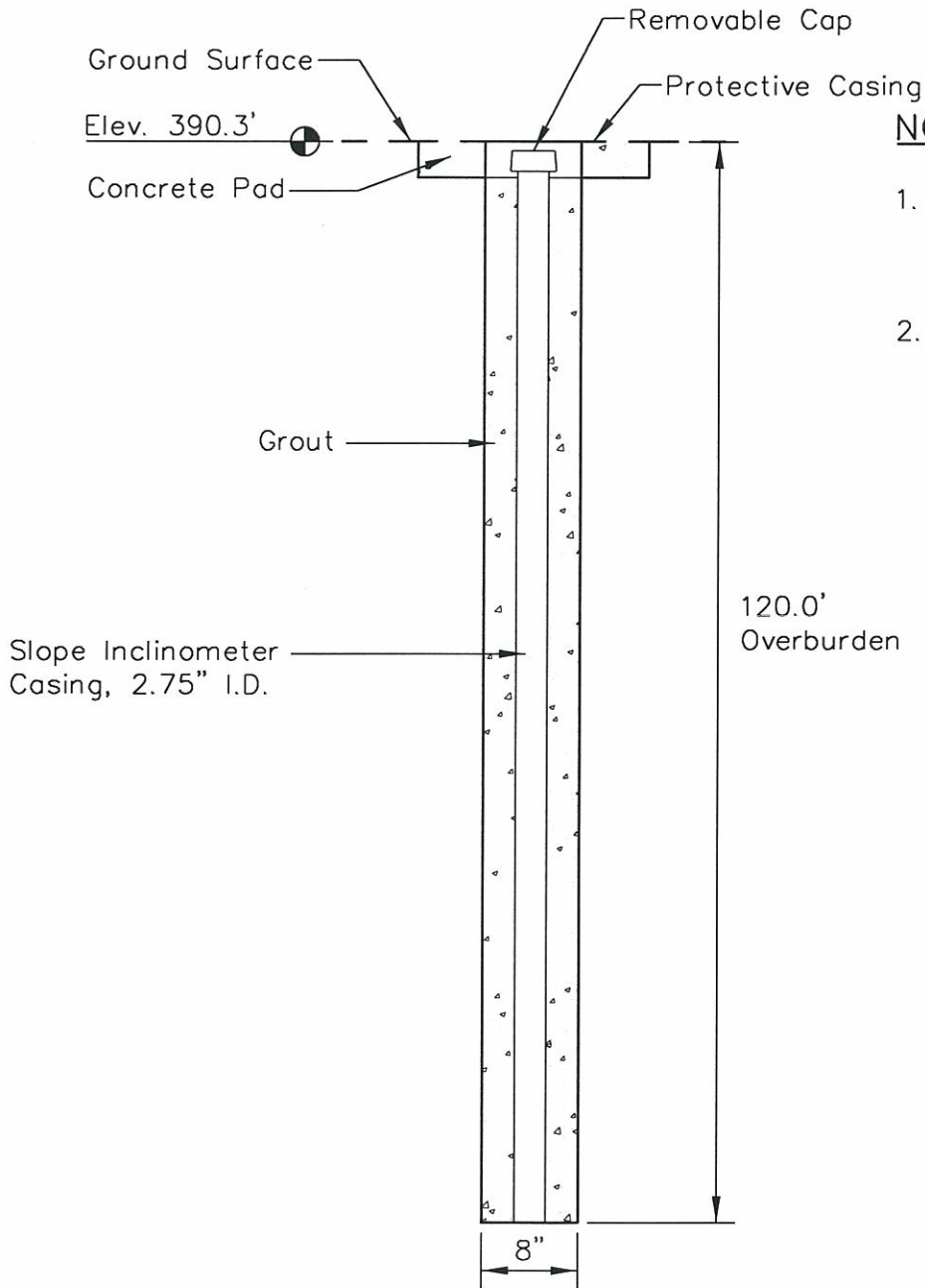
Northing: 601119.30  
 Easting: 1411134.51  
 Ground Elevation: 391.7'

Locations to be provided by TVA,  
 Power Systems Operations,  
 Surveying and Project Services.  
 Horizontal Datum: NAD 27  
 Vertical Datum: NGVD29

**STN-SI-2**  
**SLOPE INCLINOMETER DETAIL**  
**JOHNSONVILLE FOSSIL PLANT**  
**ASH DISPOSAL AREAS 2 AND 3**

Stantec Consulting Services Inc.  
 1901 Nelson Miller Parkway  
 Louisville, Kentucky  
 40223-2177  
 502-212-5000  
[www.stantec.com](http://www.stantec.com)

DRAWN BY	SB	DATE	JAN. 2010	REVISED		<b>SHEET</b>  <b>3 OF 5</b>
CHECKED BY	PJC	PROJ. NO.	175559008	1.	3.	
CHECKED BY	SHB	SCALE	NTS	2.	4.	



**NOTES:**

1. Installed on 09/02/09. Boring advanced with 4.25" I.D. HSA.
2. Refer to boring log for overburden stratigraphy.

P:\07 DATE: 02/22/2010 USER: PLETT, RICHARD V:\7555\ACTIVE\75559008\GEO\TECHNICAL\DRAW\AGVPZ\_DETAILS\39008PZ\_STN\_3.DWG

**LOCATION**

Northing: 599513.18  
 Easting: 1410433.95  
 Ground Elevation: 390.3'

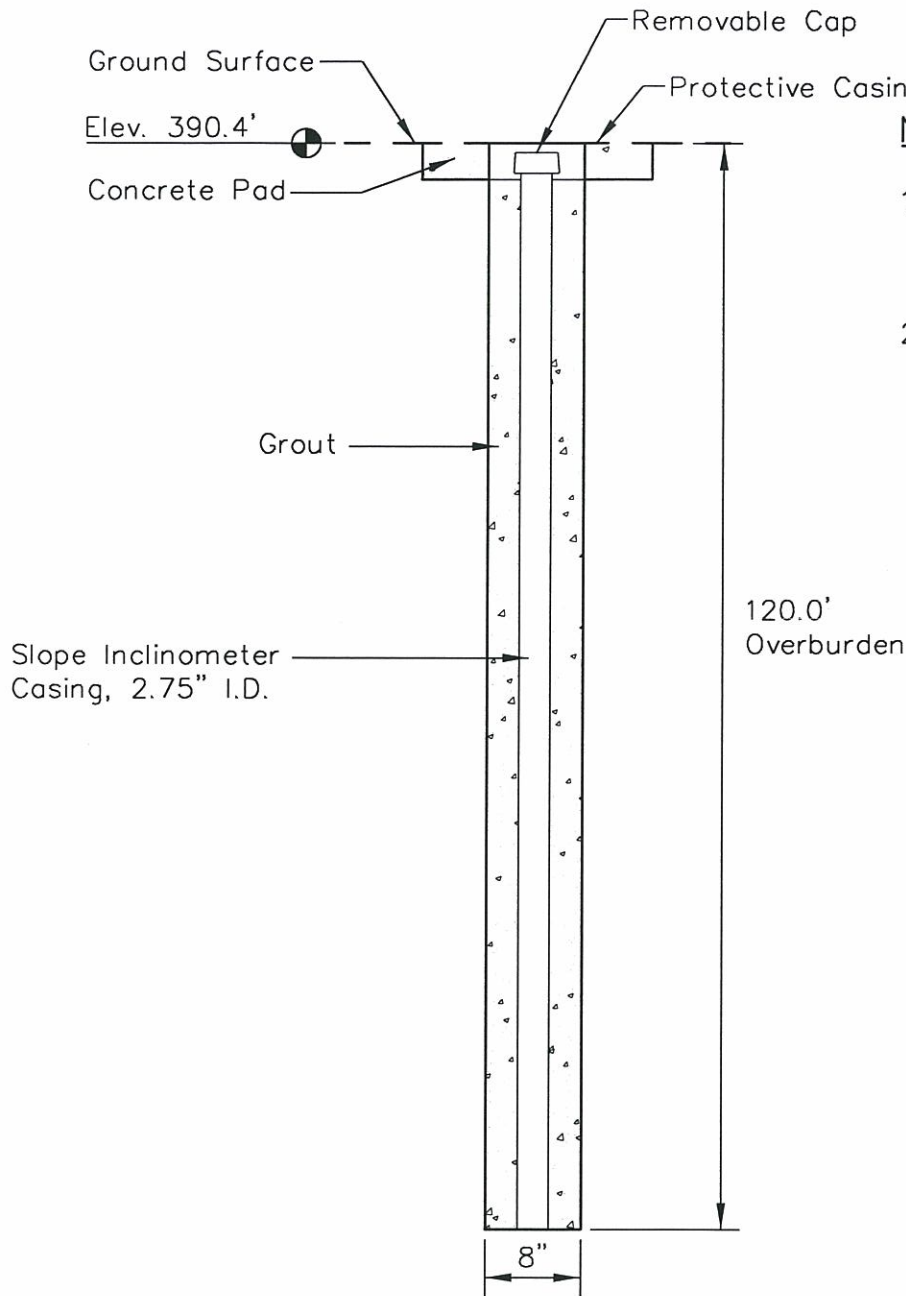
Locations to be provided by TVA,  
 Power Systems Operations,  
 Surveying and Project Services.  
 Horizontal Datum: NAD 27  
 Vertical Datum: NGVD29

**STN-SI-3**  
**SLOPE INCLINOMETER DETAIL**  
**JOHNSONVILLE FOSSIL PLANT**  
**ASH DISPOSAL AREAS 2 AND 3**

Stantec Consulting  
 Services Inc.  
 1901 Nelson Miller Parkway  
 Louisville, Kentucky  
 40223-2177  
 502-212-5000

www.stantec.com

DRAWN BY	SB	DATE	JAN. 2010	REVISED		
CHECKED BY	PJC	PROJ. NO.	175559008	1.	3.	<b>4 OF 5</b>
CHECKED BY	SHB	SCALE	NTS	2.	4.	



**NOTES:**

1. Installed on 08/25/09. Boring advanced with 4.25" I.D. HSA.
2. Refer to boring log for overburden stratigraphy.

PLOT DATE: 02/22/2010 USER: PERRY, ROHARD  
 M:\755\ACTIVE\75559008\3EOTECHNICAL\DRAW\5\PHZ DETAILS\59008PHZ\_STN\_3\_4.DWG

**LOCATION**

Northing: 601487.29  
 Easting: 1410094.04  
 Ground Elevation: 390.4'

Locations to be provided by TVA,  
 Power Systems Operations,  
 Surveying and Project Services.  
 Horizontal Datum: NAD 27  
 Vertical Datum: NGVD29

**STN-SI-4**

**SLOPE INCLINOMETER DETAIL**

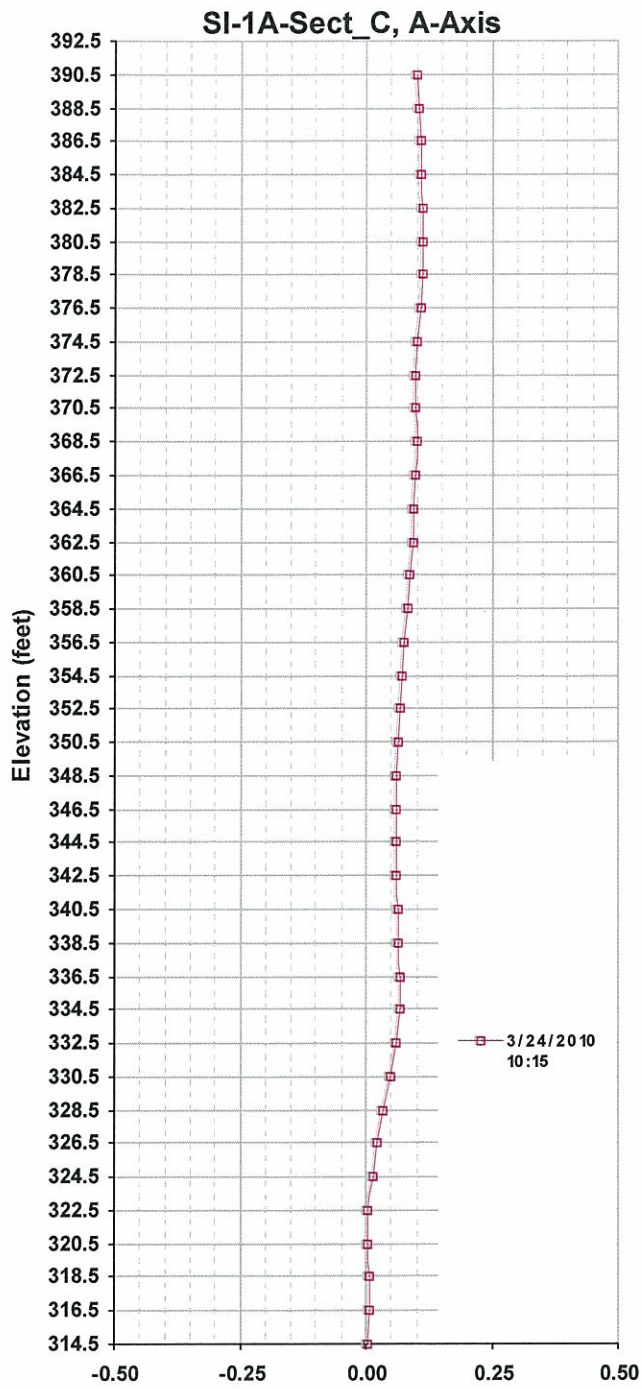
**JOHNSONVILLE FOSSIL PLANT**

**ASH DISPOSAL AREAS 2 AND 3**

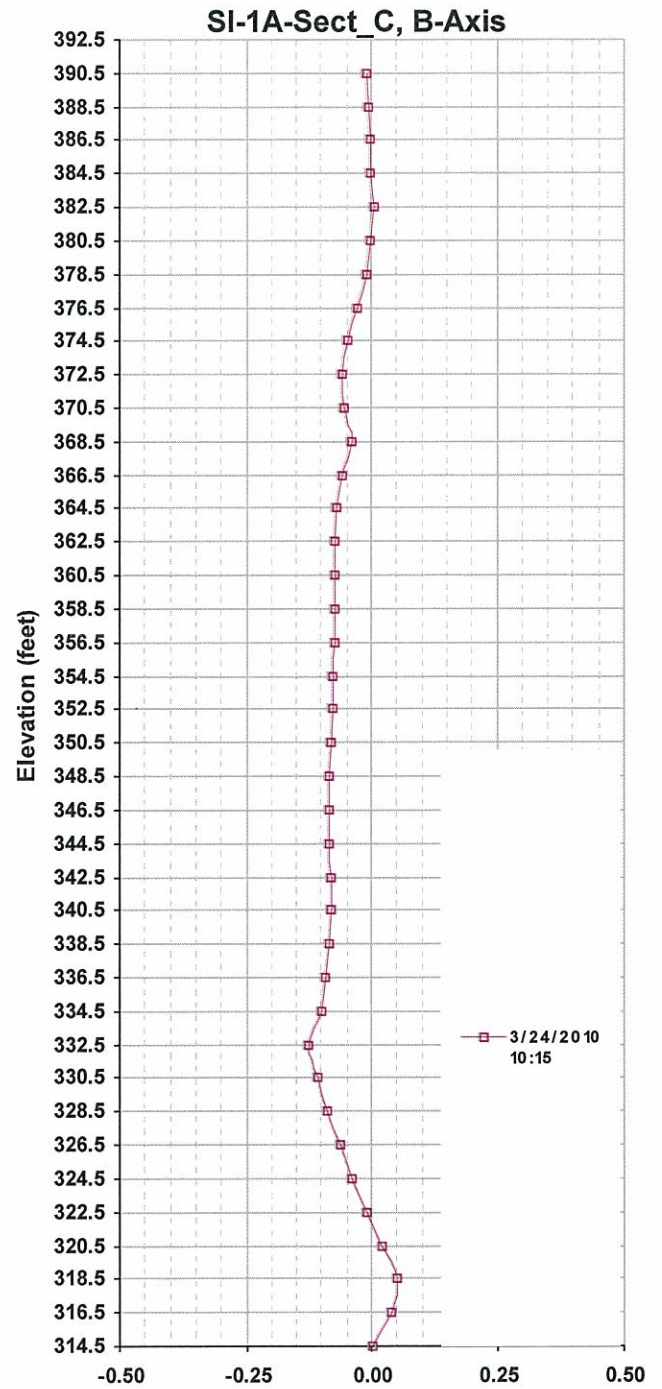
Stantec Consulting Services Inc.  
 1901 Nelson Miller Parkway  
 Louisville, Kentucky  
 40223-2177  
 502-212-5000  
[www.stantec.com](http://www.stantec.com)

DRAWN BY	SB	DATE	JAN. 2010	REVISED	
CHECKED BY	PJC	PROJ. NO.	175559008	1.	3.
CHECKED BY	SHB	SCALE	NTS	2.	4.

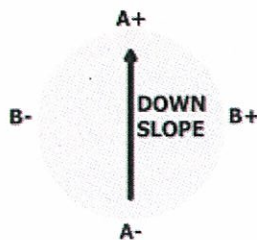
SHEET  
5 OF 5



Cumulative Displacement (in) from 2/22/2010



Cumulative Displacement (in) from 2/22/2010

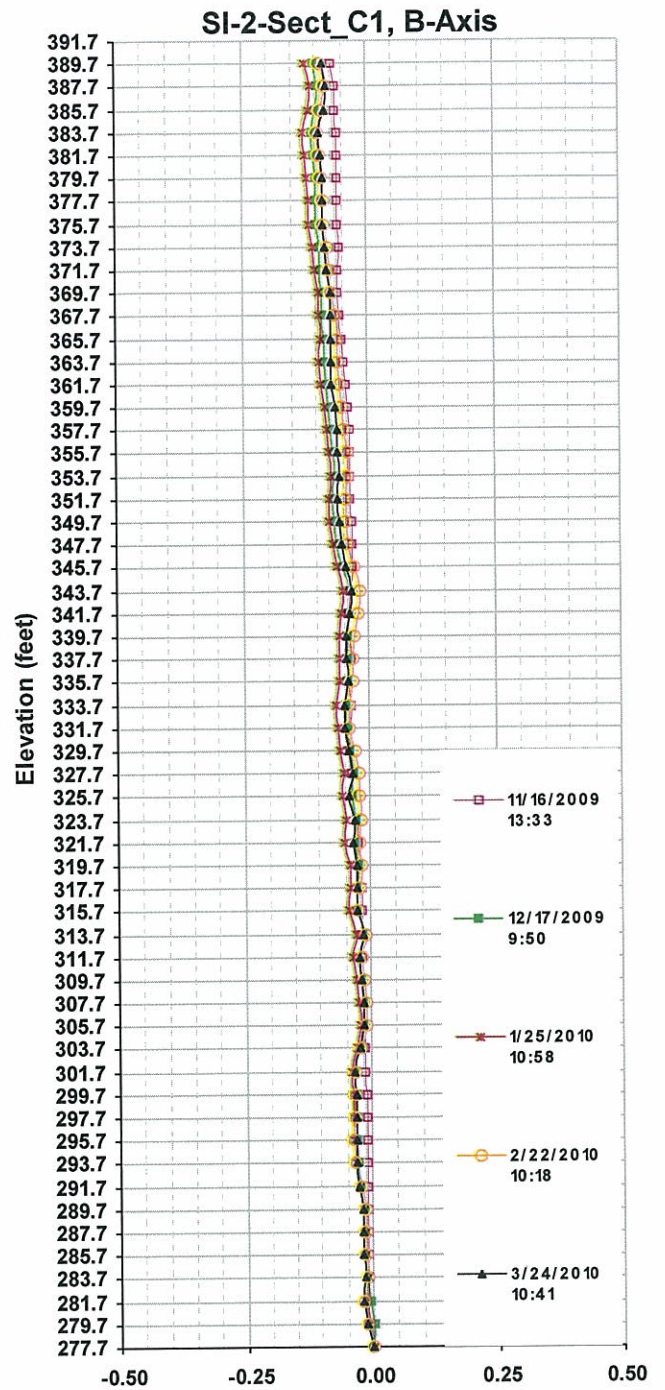
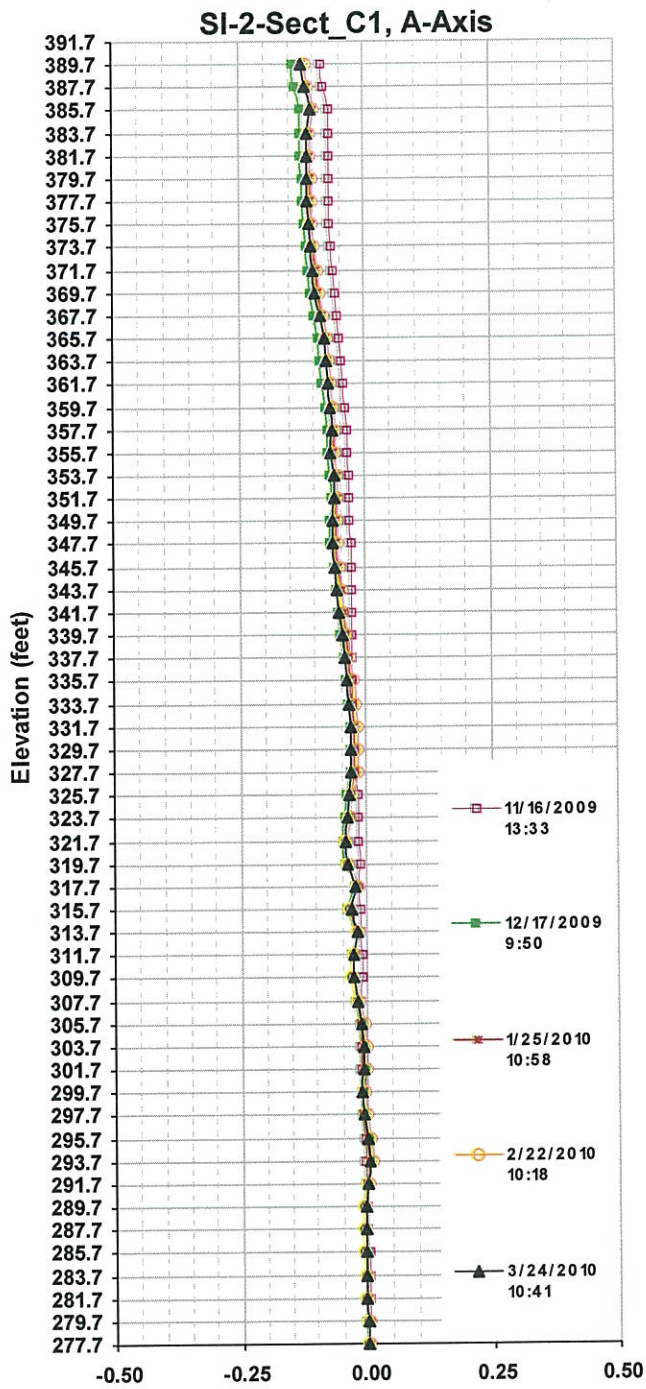


Johnsonville Fossil Plant

New Johnsonville, TN

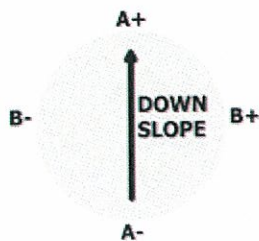
175559008

4/7/2010



Cumulative Displacement (in) from 9/23/2009

Cumulative Displacement (in) from 9/23/2009



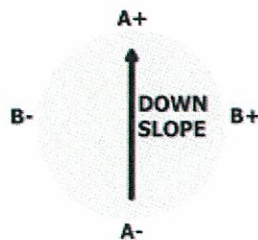
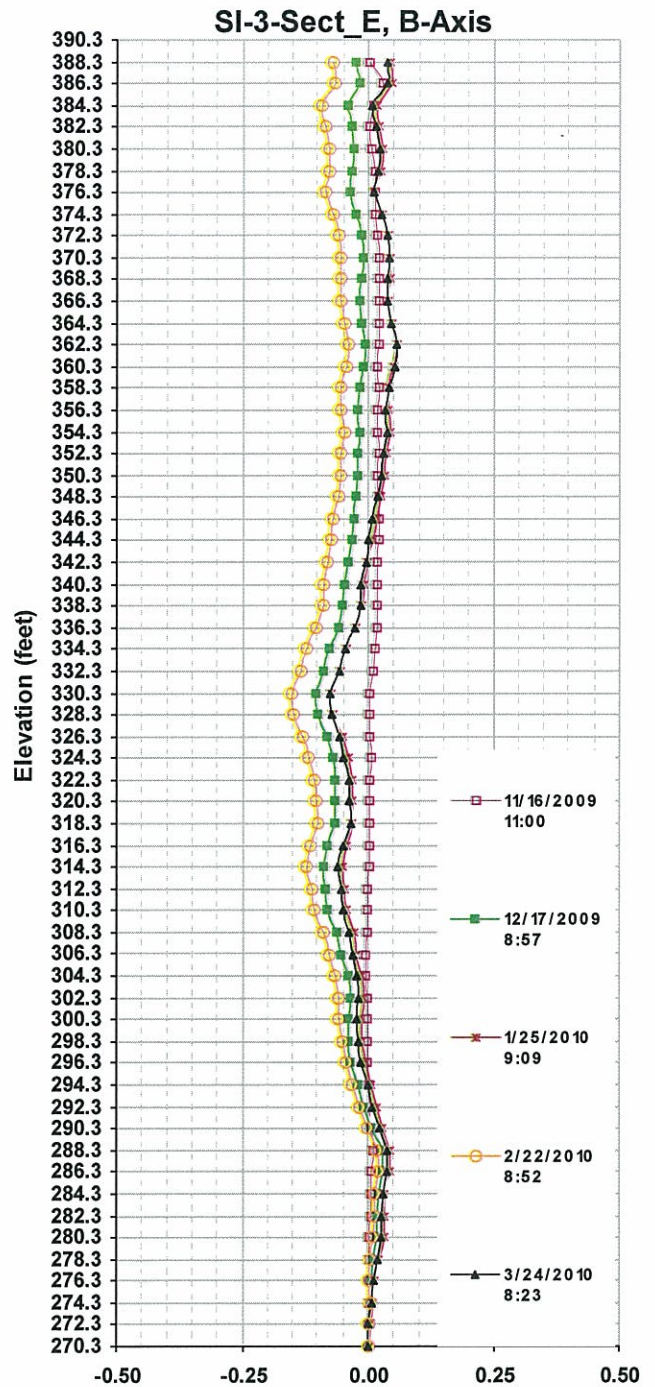
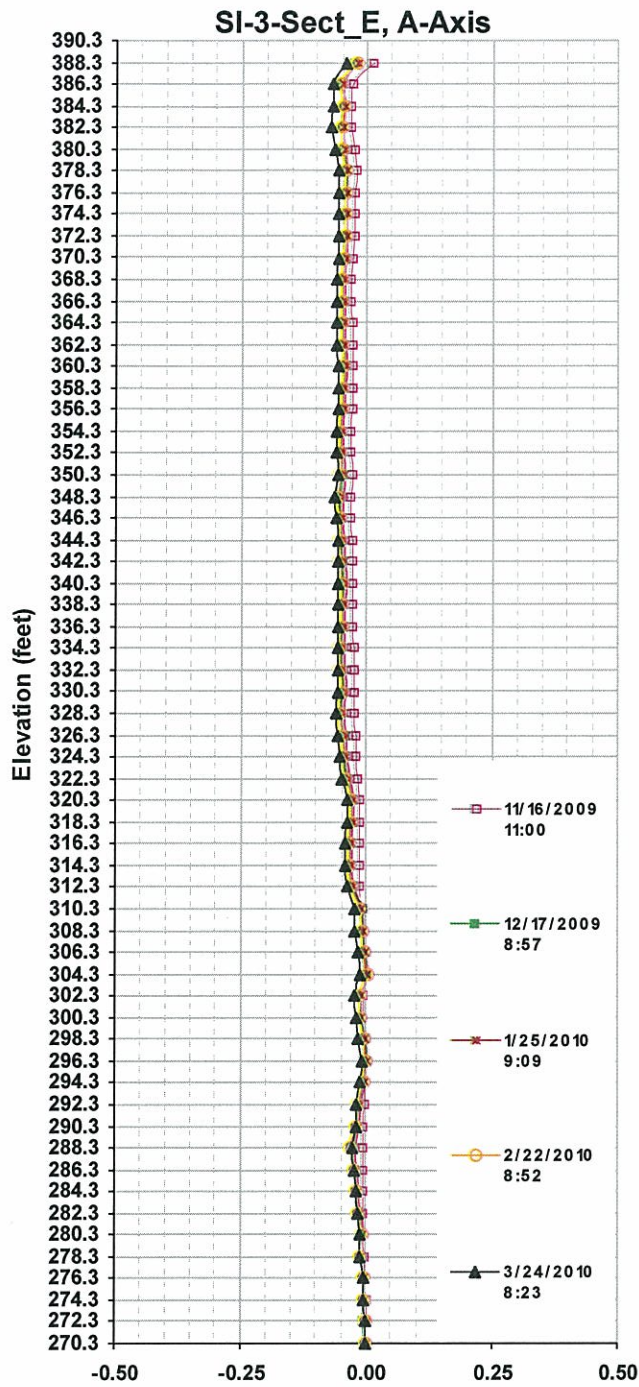
Johnsonville Fossil Plant

New Johnsonville, TN

175559008

3/26/2010



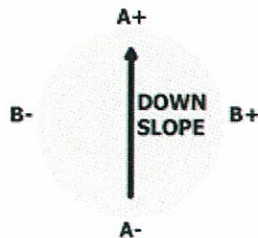
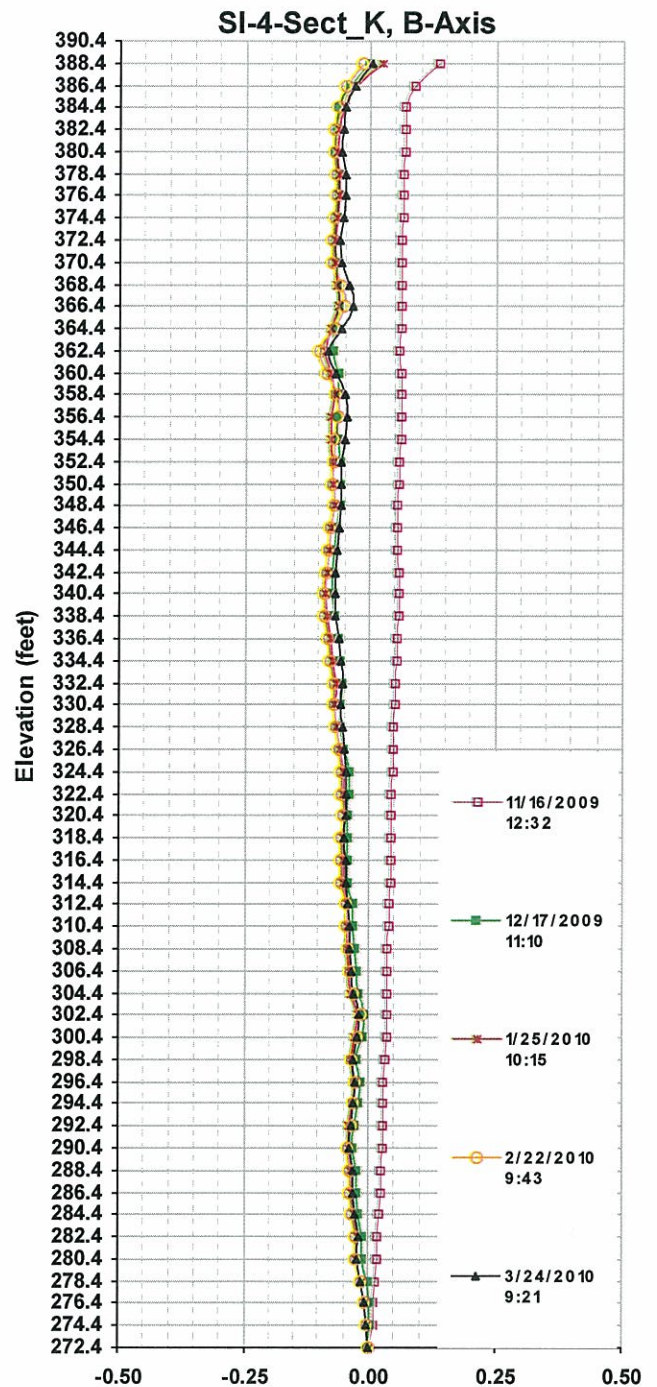
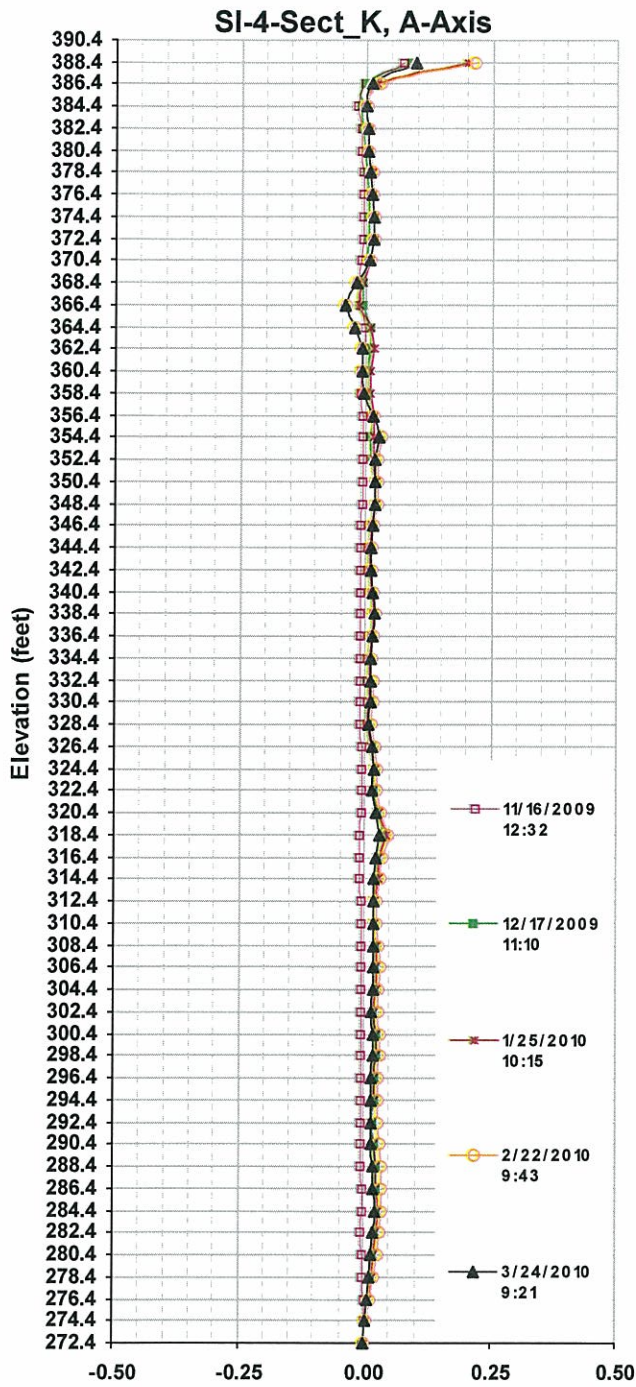


**Johnsonville Fossil Plant**

**New Johnsonville, TN**

**175559008**

**3/26/2010**



**Johnsonville Fossil Plant**

**New Johnsonville, TN**

**175559008**

**3/26/2010**