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October 25, 2013

Mr. Jason Wise, P.E.
ODOT District 12 Geotechnical Engineer
Ohio Department of Transportation
5500 Transportation Boulevard
Garfield Heights, Ohio 44125-5396

Re: October 23, 2013 Readings
CUY-90-15.24 Slope Monitoring
PID 76117
EDP Project No. 062943.00

Dear Mr. Wise:

The October monthly instrument readings for the I-90 west slope are presented in this report.

Piezometer Readings at B-05-02
Total head in both the shallow and deep piezometers at B-05-02 varied slightly during the month but the pressure readings were the same on the date of the readings for both September and October. It appears that pore pressures in both piezometers are near equilibrium. As in the past, we have included graphs showing pore pressures since the original piezometers were installed in 2007, and since readings started on the replacement piezometers in January 2012.

Inclinometer Readings at I-010 and B-05-02
A-axis displacement between 36 and 38 feet continues to increase at B-05-02. From the zone plot it appears that the resultant displacement increased significantly this month. This is due to the B-axis change which is due largely to bias correction and lower accuracy. The displacement increase was not as significant as depicted by the zone plot. Zone plots for the two deeper zones indicate no change.

Inclinometer readings at I-010 show no change again this month.

Very truly yours,

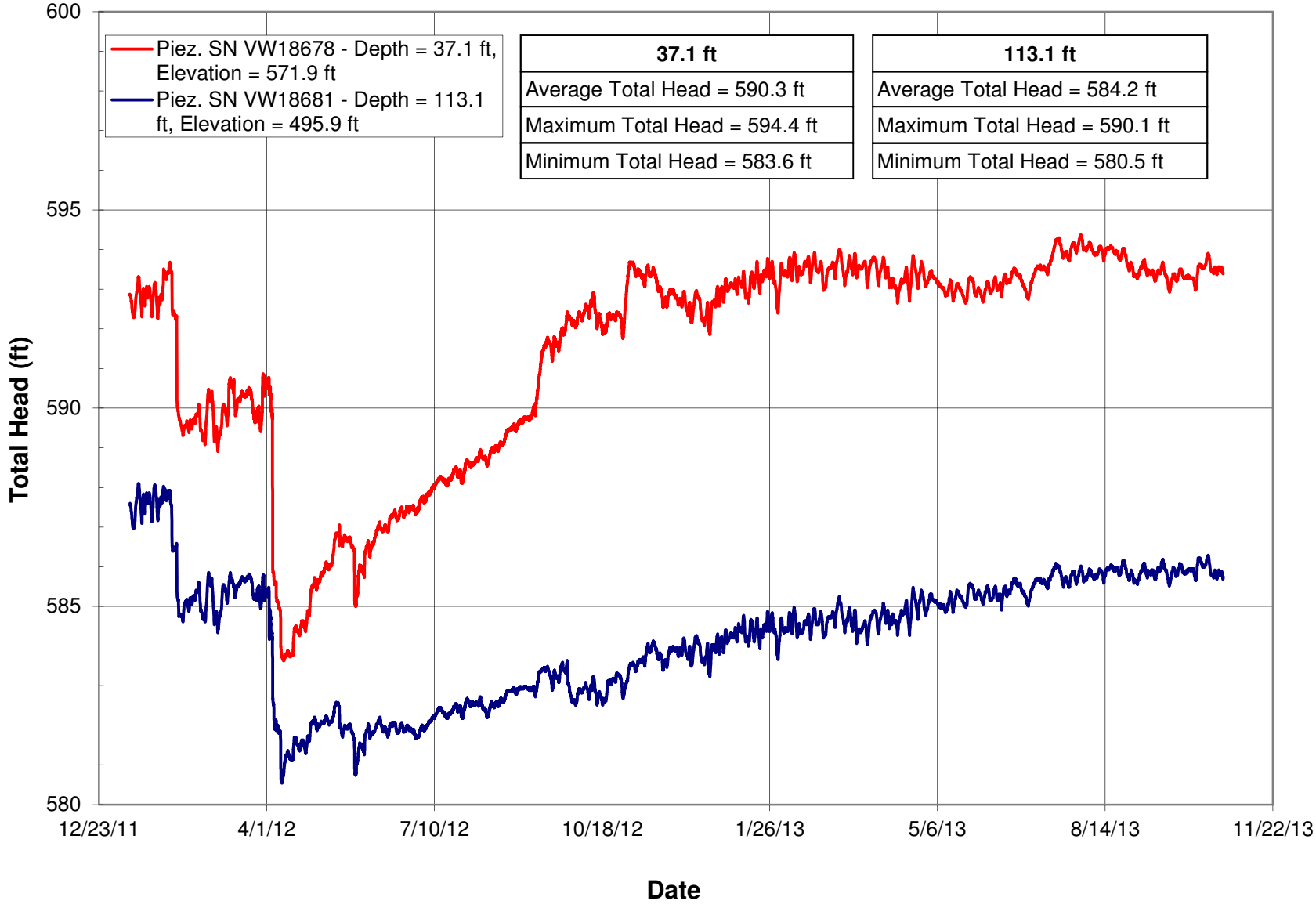
Soil and Materials Engineers, Inc.

Alan J. Esser, P.E., D.GE
Principal Consultant

Attachments

B-05-02 VW Piezometer Readings

Ground surface elevation = approx 609.0 ft

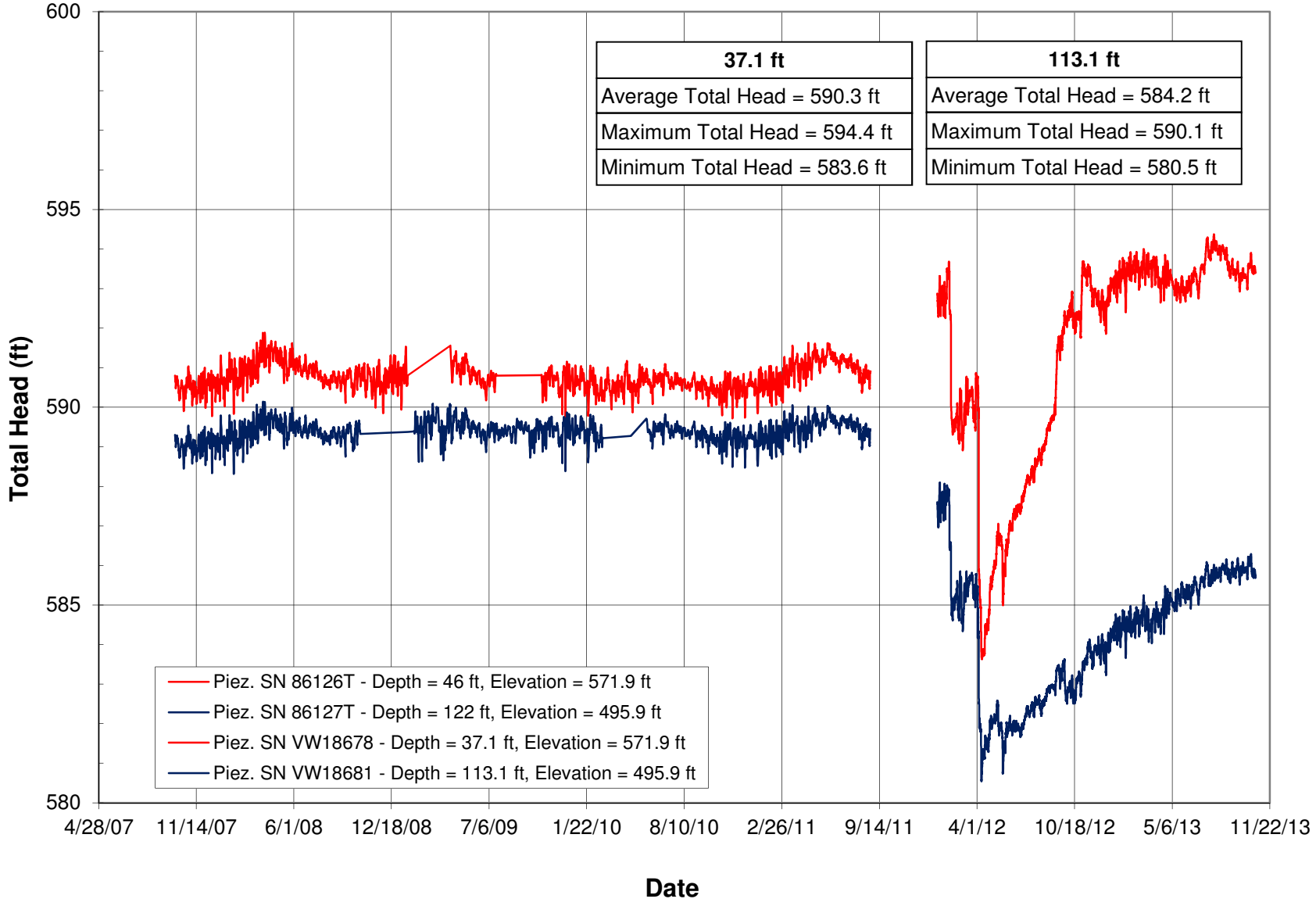


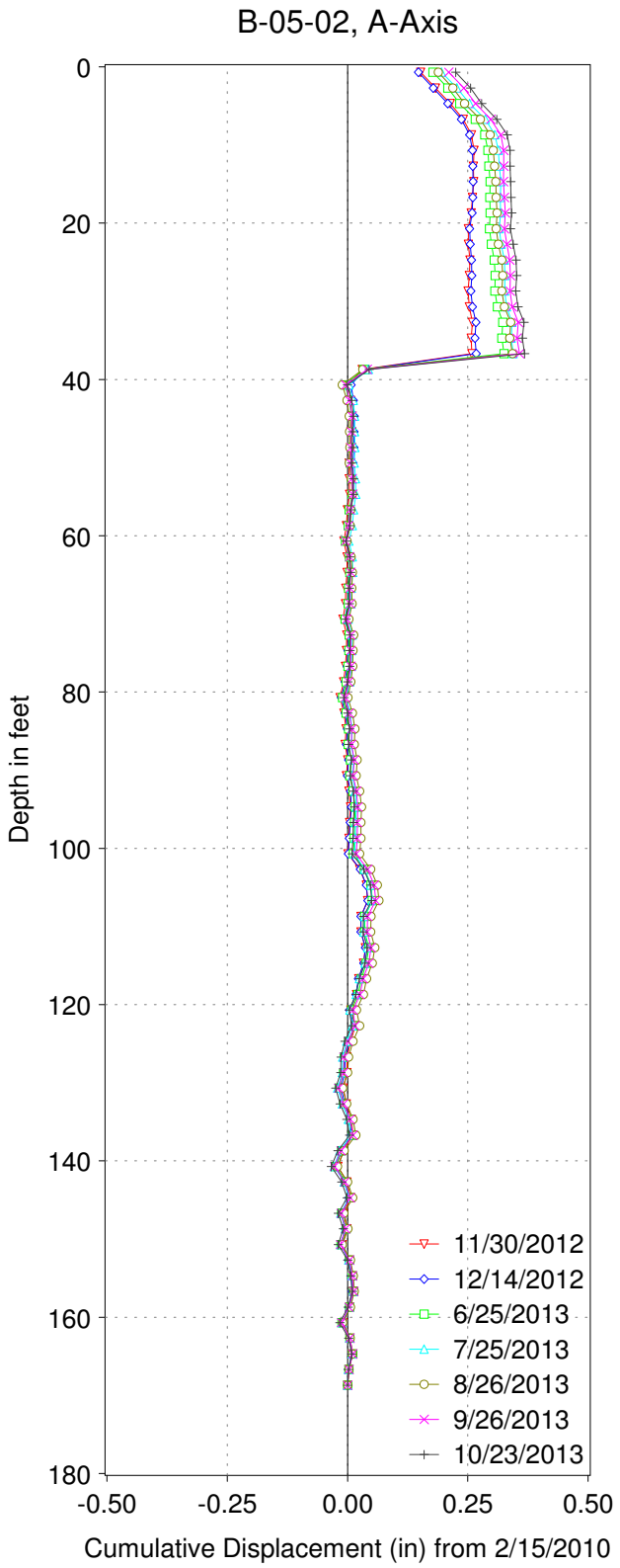
37.1 ft
Average Total Head = 590.3 ft
Maximum Total Head = 594.4 ft
Minimum Total Head = 583.6 ft

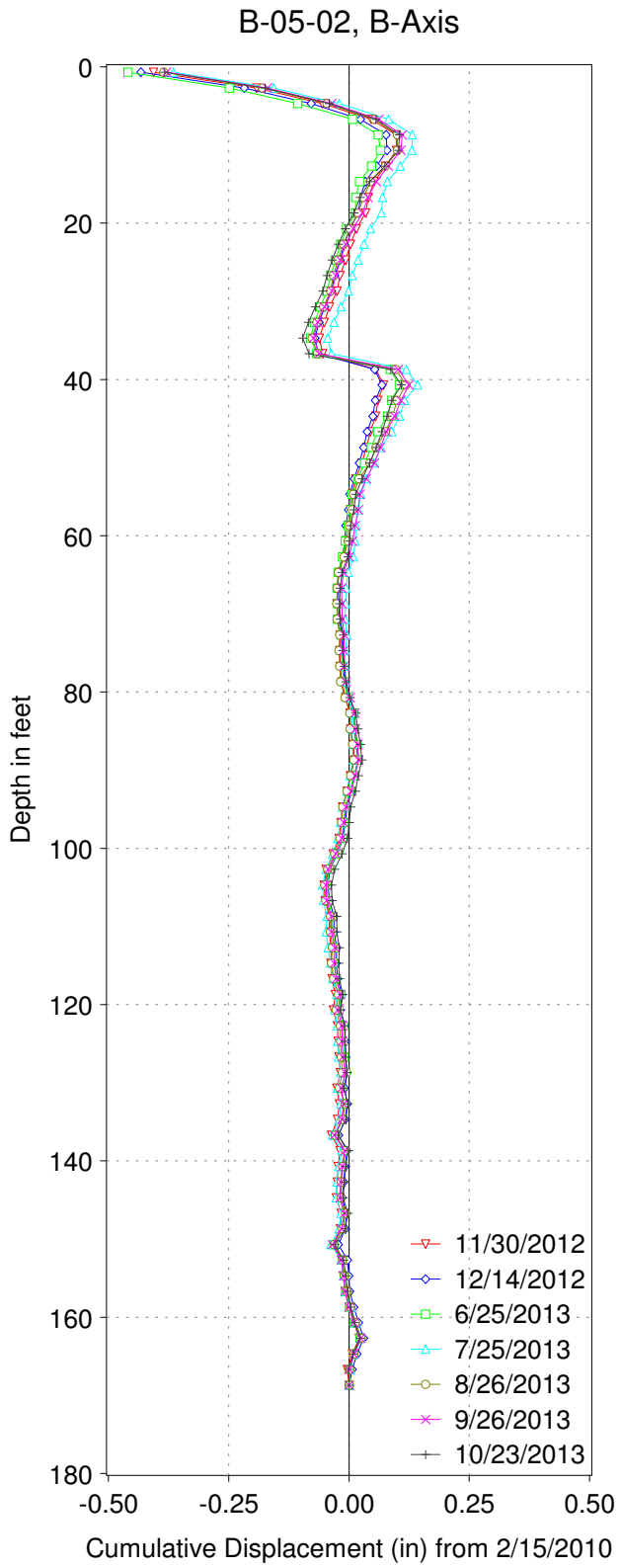
113.1 ft
Average Total Head = 584.2 ft
Maximum Total Head = 590.1 ft
Minimum Total Head = 580.5 ft

B-05-02 VW Piezometer Readings

Ground surface elevation = approx 609.0 ft







CUY-90-14.92
PID 76117
SME Project#: 062943.00
Reading Date: 10/23/2013

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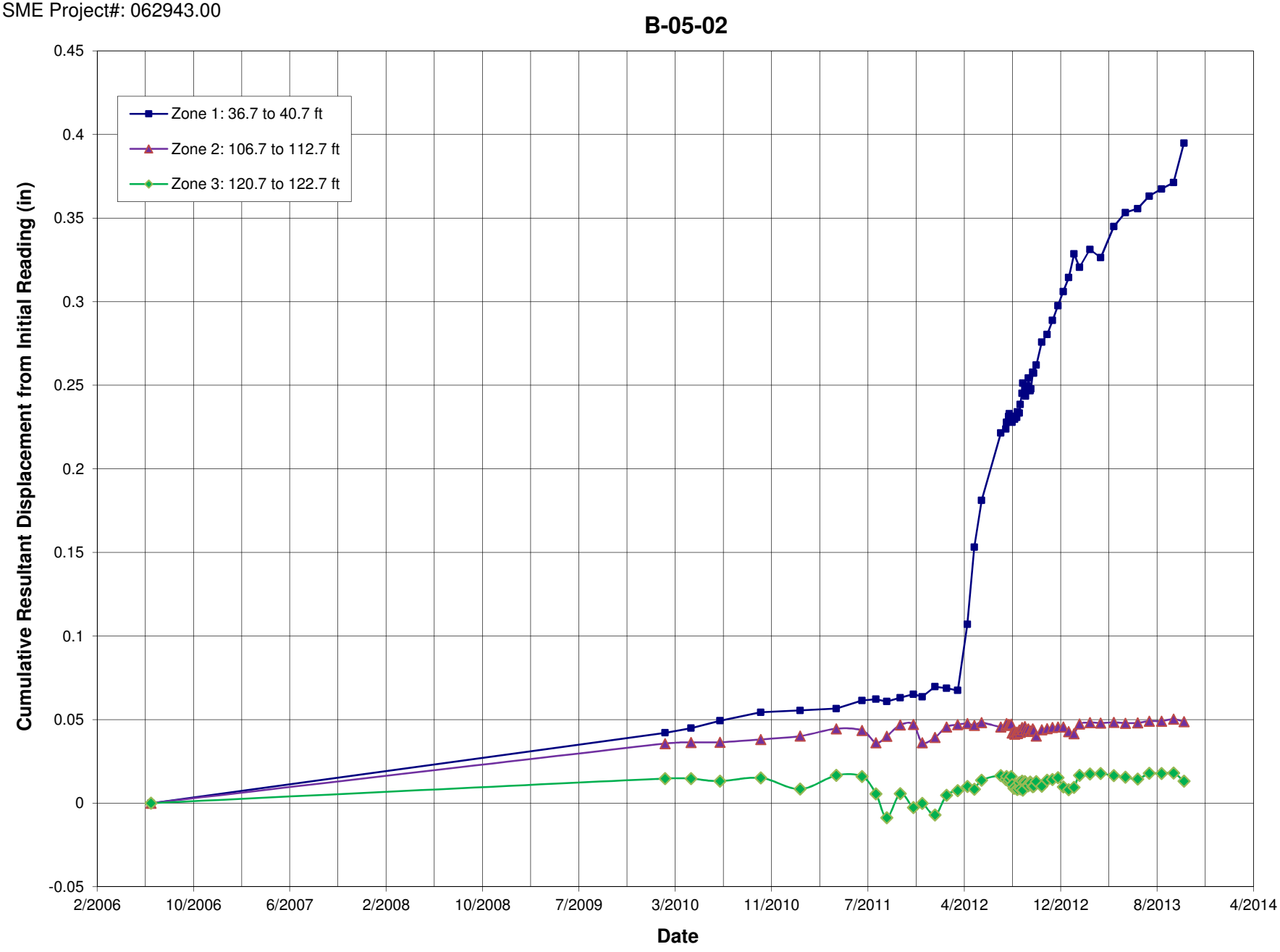
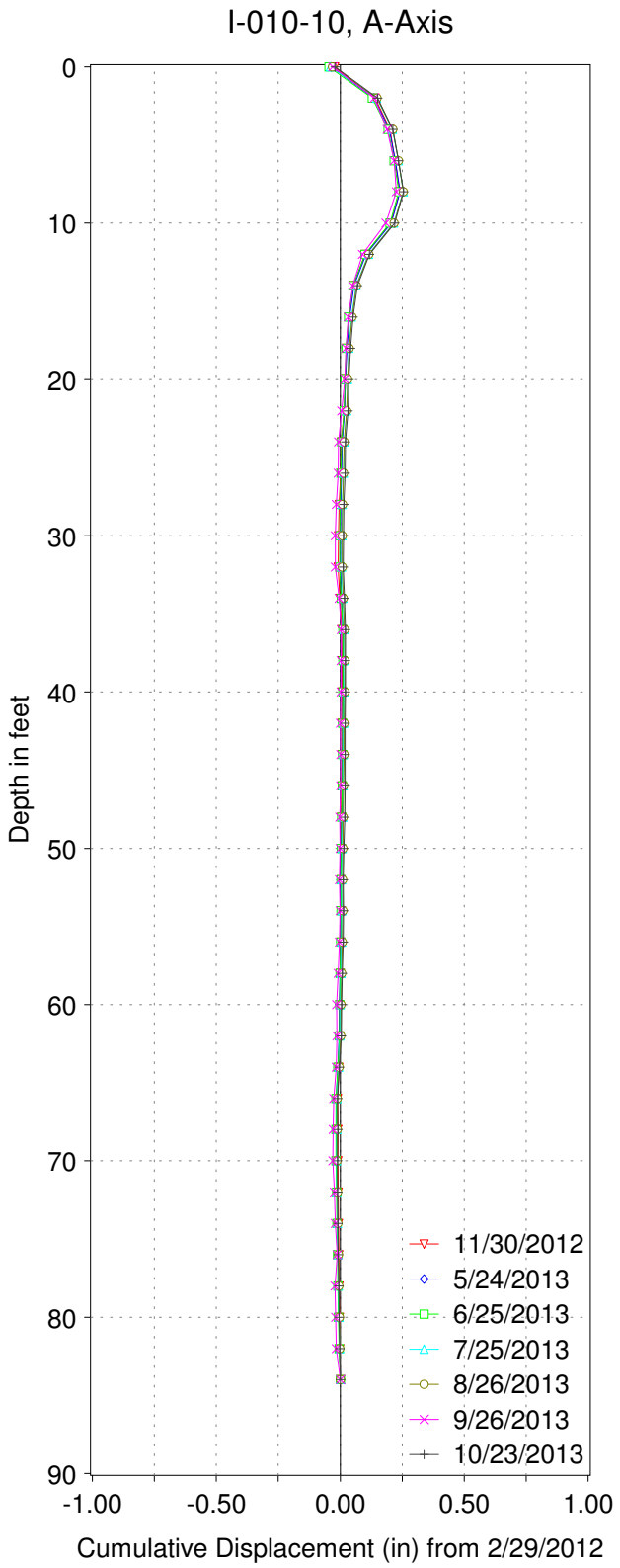
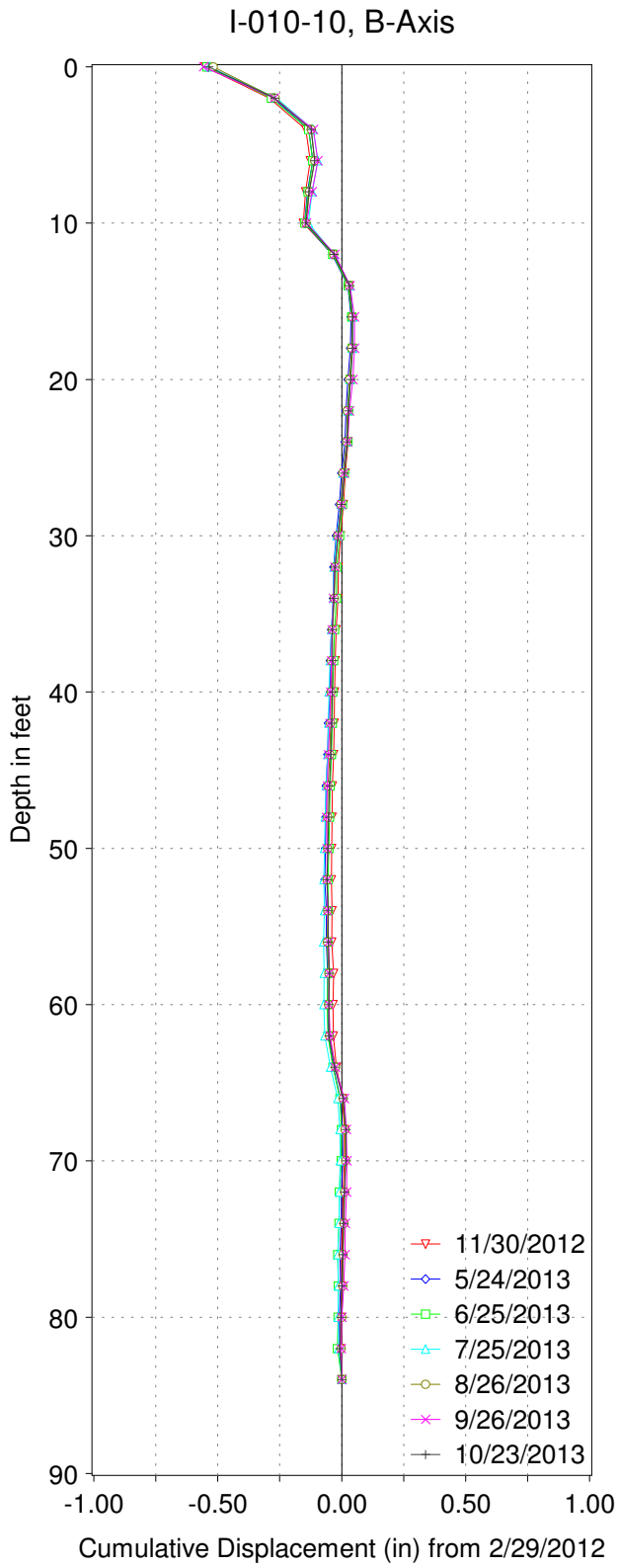
CUY-90-15.24
PID 76117
SME Project#: 062943.00







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