



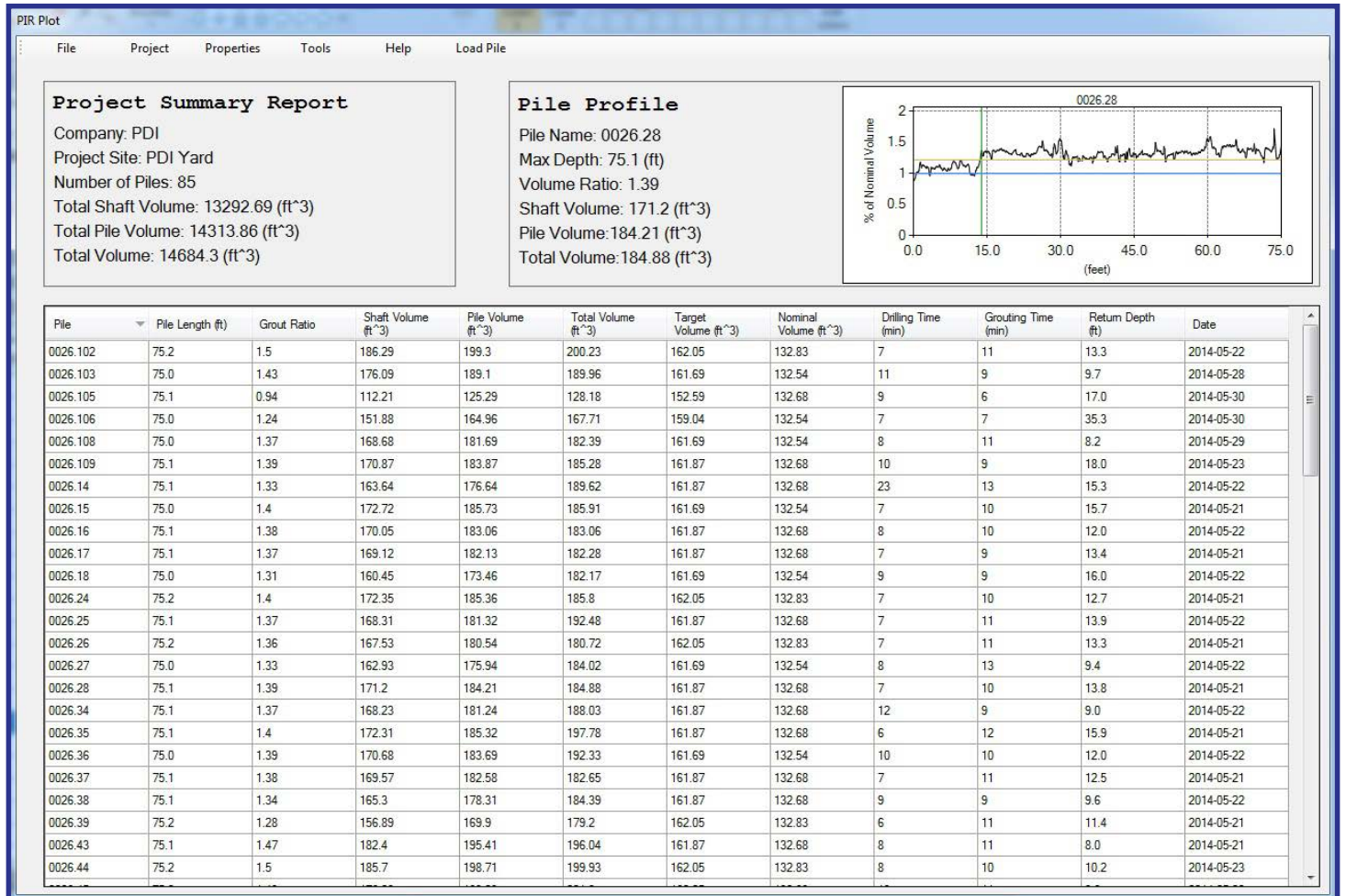
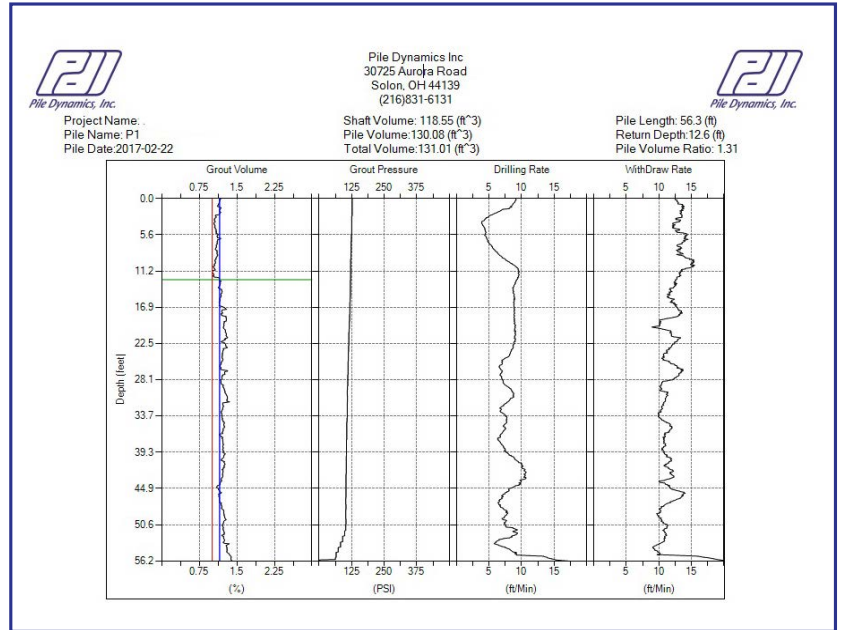
# PIR-PLOT

## File Installation Recorder (PIR-PLOT) Software

PIR-PLOT software allows you to summarize multiple piles on one chart, and to graph parameters of a specific pile

### PIR-PLOT summary report:

- Actual and theoretical volumes
- Total length drilled
- Duration of drilling, grouting, and total installation
- Starting and return head
- Actual and requirement percent of neat line



## PIR-PLOT graphs the following quality control variables versus depth:

- Grout pressure
- Grout volume
- Drilling rate
- Withdraw rate
- Torque pressure
- Percent of neat line
- Drilling resistance



The key parameters for a precise installation are pumped grout volume and auger depth. The PIR accurately records and displays both in real time. The equipment consists of a main unit installed in the crane cabin, a depth measurement device, a magnetic flow meter, a pressure sensor to measure grout line pressure, and optional devices including a pressure sensor for determining auger torque and a proximity sensor for measuring auger rotation.

Project: Aurora.P01

Company: PDI

Project Site: Pile Yard

**Volume Profile**  
Slider Increment (ft): 5

**Summary Report Options**

<input type="checkbox"/> Operator	<input checked="" type="checkbox"/> Nominal Volume	<input type="checkbox"/> Stem Volume
<input type="checkbox"/> Rig	<input checked="" type="checkbox"/> Target Volume	<input type="checkbox"/> Head Volume
<input checked="" type="checkbox"/> Date	<input checked="" type="checkbox"/> Pile Grout Ratio	<input type="checkbox"/> Spill Volume
<input type="checkbox"/> Auger Diameter	<input checked="" type="checkbox"/> Shaft Volume	
<input type="checkbox"/> Stem Diameter	<input checked="" type="checkbox"/> Pile Volume	
<input checked="" type="checkbox"/> Pile Length	<input checked="" type="checkbox"/> Total Volume	

**Units**  
☒ English   ☐ Metric

Project: Aurora.P01

**Volume**  
Slider Inc (ft): 5  
Title: Grout Volume  
Scale: min 0 max 3

**Line Pressure**  
☒ Enable  
Title: Grout Pressure  
Scale: min 0 max 500

**Torque Pressure**  
☒ Enable  
Title: Torque Pressure  
Scale: min 0 max 5000

**Auger RPM**  
☒ Enable  
Title: RPM  
Scale: min 0 max 100

**Drilling Rate**  
☒ Enable Points To Avg: 20  
Title: Drilling Rate  
Scale: min 0 max 20

**Withdraw Rate**  
☒ Enable Points To Avg: 20  
Title: Withdraw Rate  
Scale: min 0 max 20

**Header Information**  
Line 1: Pile Dynamics Inc  
Line 2: 30725 Aurora Road  
Line 3: Solon, OH 44139  
Line 4: (216)831-6131

**Drilling Resistance**  
☐ Enable  
Title: Drilling Resistance  
Scale: min 0 max 100

**Crowd Pressure**  
☐ Enable  
Title: Crowd Pressure  
Scale: min 0 max 1000

**Units**  
☒ English   ☐ Metric  
Apply   Exit

**Pile Dynamics, Inc. (PDI)** is the world leader in developing, manufacturing and supplying state of the art QA/QC products and systems for the deep foundations industry. The company is headquartered in Cleveland, Ohio, USA, with offices and representatives worldwide. For additional information visit us at [www.pile.com](http://www.pile.com) or contact [info@pile.com](mailto:info@pile.com).