



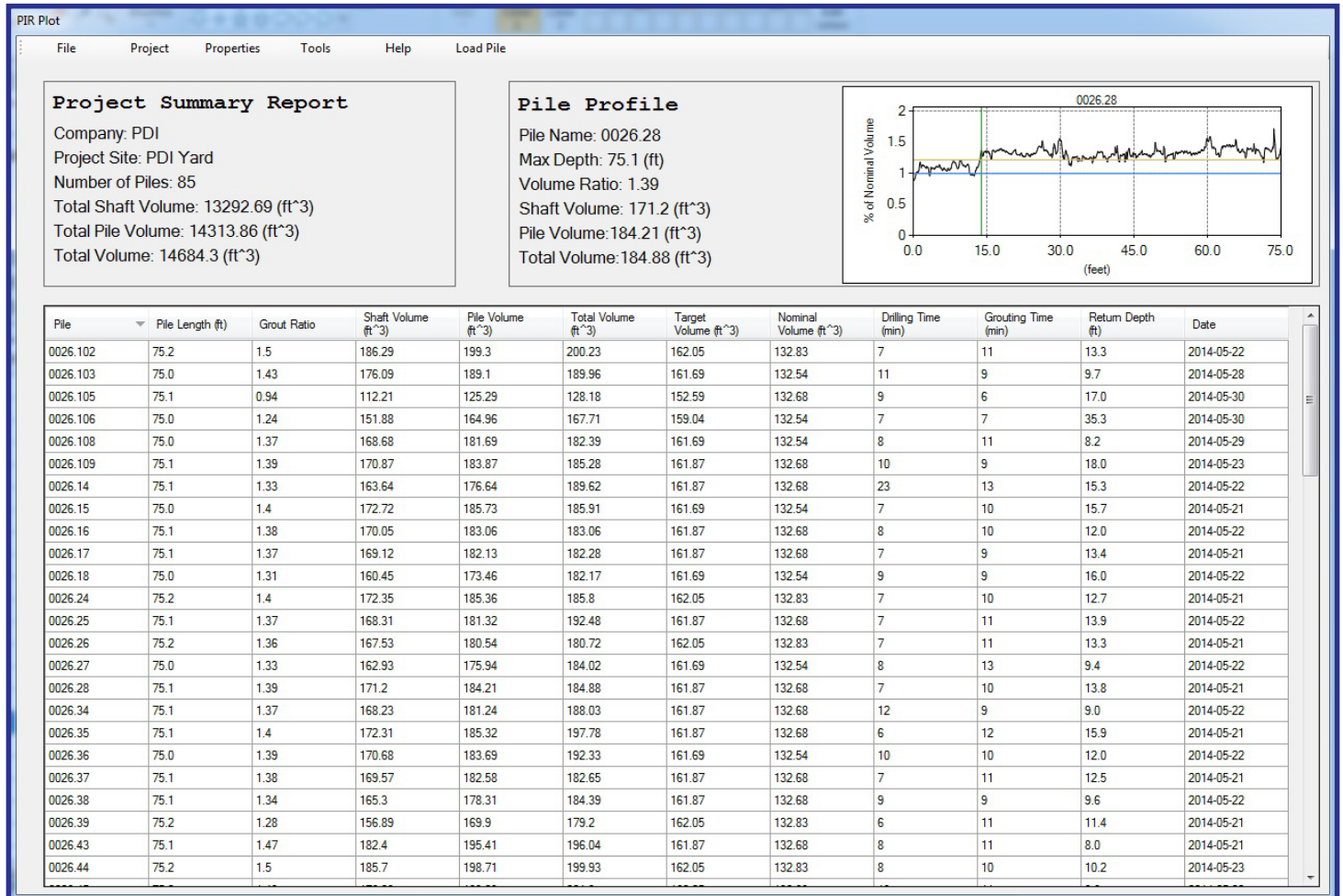
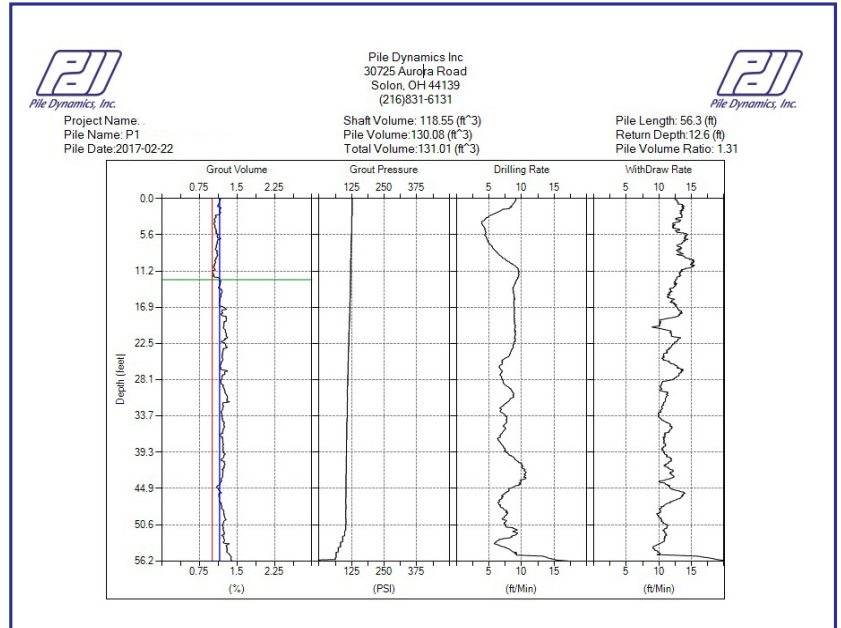
# PIR-PLOT

## Pile 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

☐ Operator
☒ Nominal Volume
☐ Stem Volume

☐ Rig
☒ Target Volume
☐ Head Volume

☒ Date
☒ Pile Grout Ratio
☐ Spill Volume

☐ Auger Diameter
☒ Shaft Volume

☐ Stem Diameter
☒ Pile Volume

☒ Pile Length
☒ 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

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

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

Header Information

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

Units
☒ English
☐ Metric

Apply
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**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).