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.

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 or contact info@pile.com.