## Berryrange Leader Rig Pre-Auger & Pile Installation Vibration Monitoring

### **Borehole Information**

Made Ground.

Medium dense clayey finecoarse SAND

Medium dense

very sandy finecoarse flint GRAVEL, (Taplow Gravel)

Very Stiff high strength silty

CLAY, (London Clay)

1

2

3

4

5

6

7

8

9

10

SPT Values 0 10 20 30 40 50

10.0m Long

Pile @

Sheet

PU22-1



Project Location	London Road, Barking
Type of Project	Vibration Monitoring Trial
Date	Nov '12
Type of Pile	PU22-1 Steel Sheet Pile, L= 9.0m
Piling System	Leader Rig - Pre-Auger, Vibro- Installation & Extraction
Piling Machine	ABI 13/16 Leader Rig

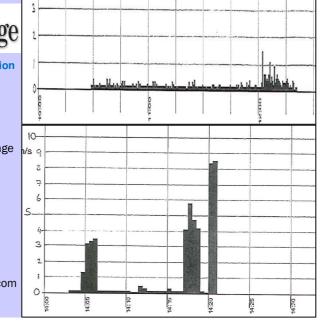
# Berryrange

Berryrange

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#### **PRE-AUGERING**

The monitoring of the preaugering, 3.5m away varied between 0.475 - 1.58mm/sec

#### VIBRO-INSTALLATION

During the installation of 2 piles, the readings ranged between 3.5 - 6mm/sec

#### VIBRO-EXTRACTION

The extraction vibration was recorded shortly after with a peak reading of 8.65mm/sec