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





**Project** 

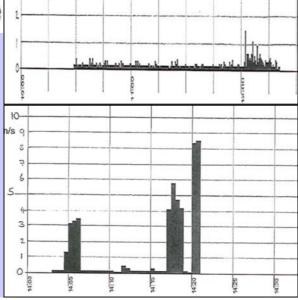
# Berryrange

**Sheet Piling, Construction** & Professional Design **Services** 

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# Borehole Information

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4	GRAGL TaphyGold			١			@ 10.
5					$\rangle$		Pile (
6				/			Sheet
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8	Vary Sall righ strangth sity CLAY.						PUZ
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Location	
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

London Road, Barking

#### **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