

## APPENDIX REPORT

Date : 31<sup>st</sup> January 2017

Report No : 07276A/22

Client : Mr. Raj Sing Toor  
1-2 Peacock Street  
Gravesend  
Kent  
DA12 2EE

Client Ref : Dale Gill

Site : 42 The Hill  
Northfleet  
Gravesend  
Kent

This report details the results of dynamic probing carried out in accordance with recommendations made in Soiltec Laboratories Limited report 07276/22 dated November 2016.

At the time of the original investigation the site was heavily overgrown and the former public convenience still occupied the site thereby limiting access to a single windowless sampler borehole. Following limited site clearance it was found that the site was too restricted to mobilise a normal shell & auger rig. Therefore, additional data to enable piled foundations to be designed has been provided using DPSH equipment.

DPSH probing utilises a standard penetration mass of 63.5kg driving a cone with standard penetration test dimensions. The results can be directly correlated with SPT N values for pile design.

The probe was extended to 13.80m when an obstruction was encountered. This is likely to be a large flint.

From an examination of the plot it can be seen that fairly consistent blow counts were recorded with occasional 'spikes' probably of hard rock chalk or flints.

Allowing for the fact that the proposed development appears to cover the entire site it would be prudent to engage the services of specialists to survey the quarry face adjacent to the northern boundary to the site to ascertain any stability issues that may be in evidence.

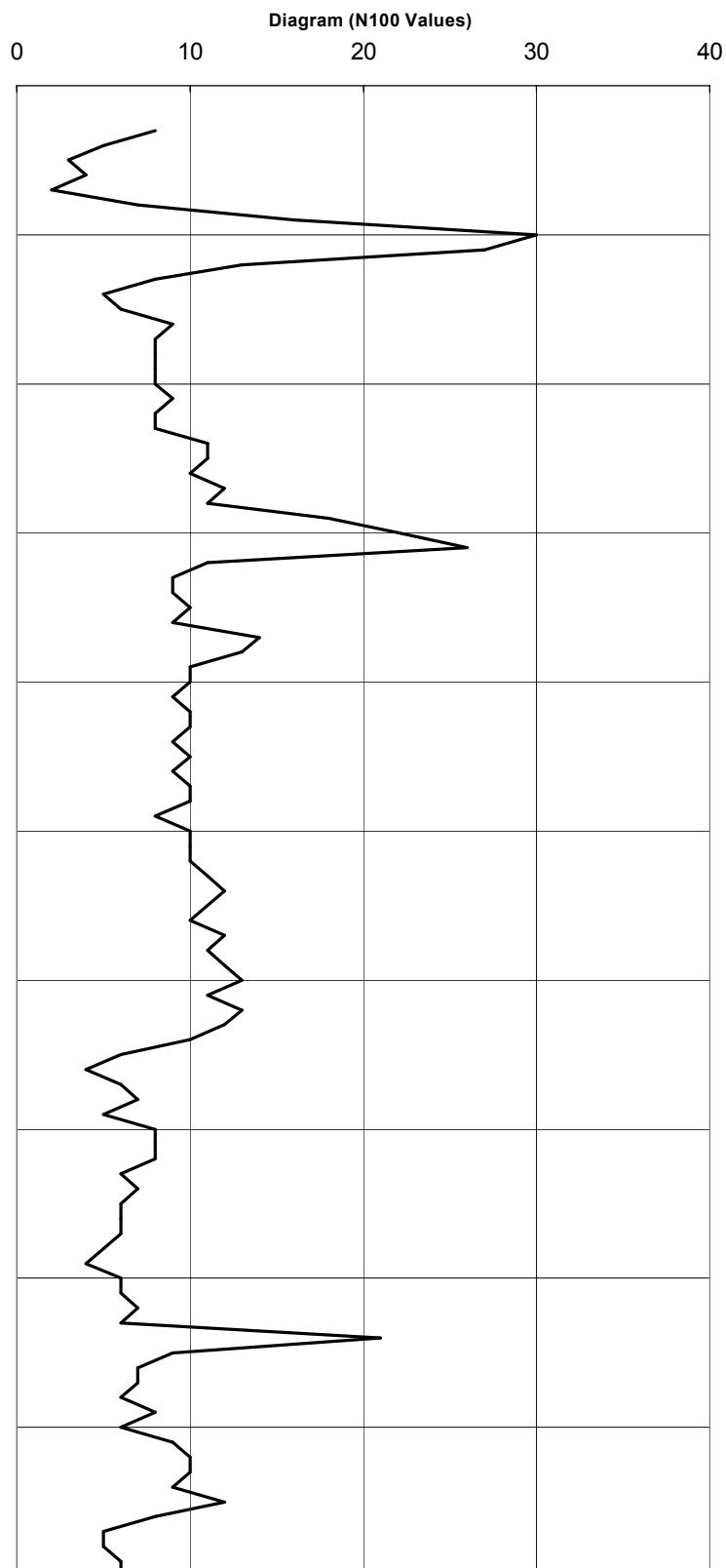
For and on behalf of  
Soiltec Laboratories Limited



Project : 42 The Hill, Northfleet, Gravesend. Kent  
 Client : Mr. Tari Singh Toor  
 Date: 20/01/2017

Report No: 07276/22

Depth (m)	Readings Blows/100mm
0.5	8, 5, 3
0.5	4
0.5	2, 7, 16, 30
1.0	27
1.0	13, 8, 5, 6
1.5	9, 8, 8, 8
2.0	9, 8, 8, 8
2.5	10, 12, 11, 11
3.0	26, 11, 9, 9, 10
3.5	9, 14, 13, 10, 10
4.0	9, 10, 10, 9, 10
4.5	9, 10, 10, 8, 10
5.0	10, 10, 11, 12, 11
5.5	10, 12, 11, 12, 13
6.0	11, 13, 12, 10, 6
6.5	4, 6, 7, 5, 8
7.0	8, 8, 6, 7, 6
7.5	6, 6, 5, 4, 6
8.0	6, 7, 6, 21, 9
8.5	7, 7, 6, 8, 6
9.0	9, 10, 10, 9, 12
9.5	8, 5, 5, 6, 6
10.0	



Torque (Nm)

Remarks :-

Fall Height (mm) 500

Hammer Weight (Kg) 50

Probe Type: DPH

Final Depth (m) 13.70

Operator : MK

DCP No.

DP1



## Dynamic Cone Penetrometer Test

Probe No:

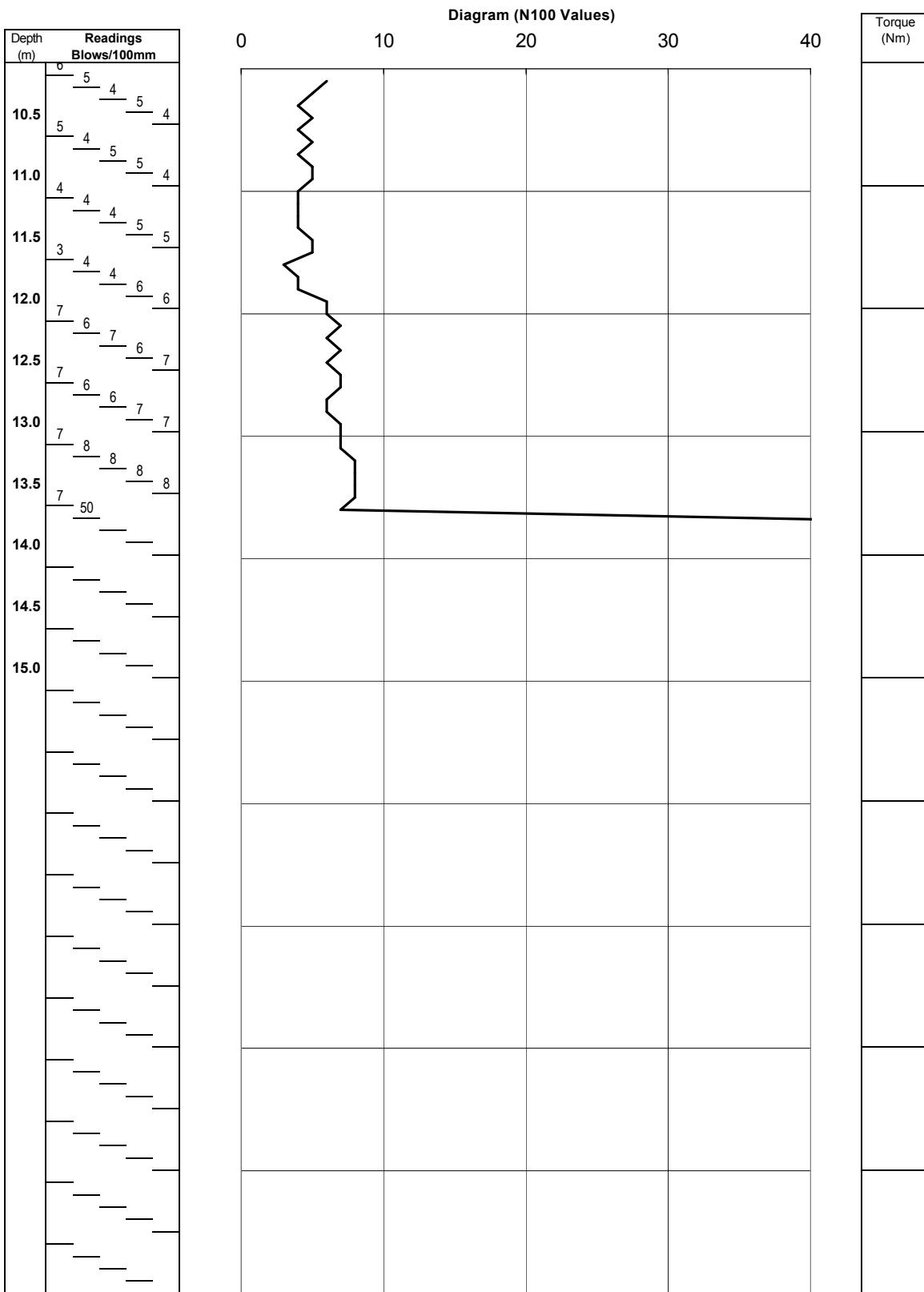
DP1

Project : 42 The Hill, Northfleet, Kent.  
Client : Mr. Raj Singh Toor  
Date: 20/01/2017

Report No:

07276/22

Client : Mr. Raj Singh  
Date: 20/01/2017



**Remarks :-**

obstruction encountered at 13.70. Large Flint?

**Fall Height (mm)** 750

**Hammer Weight (Kg)** 63.5

Probe Type: DPSH

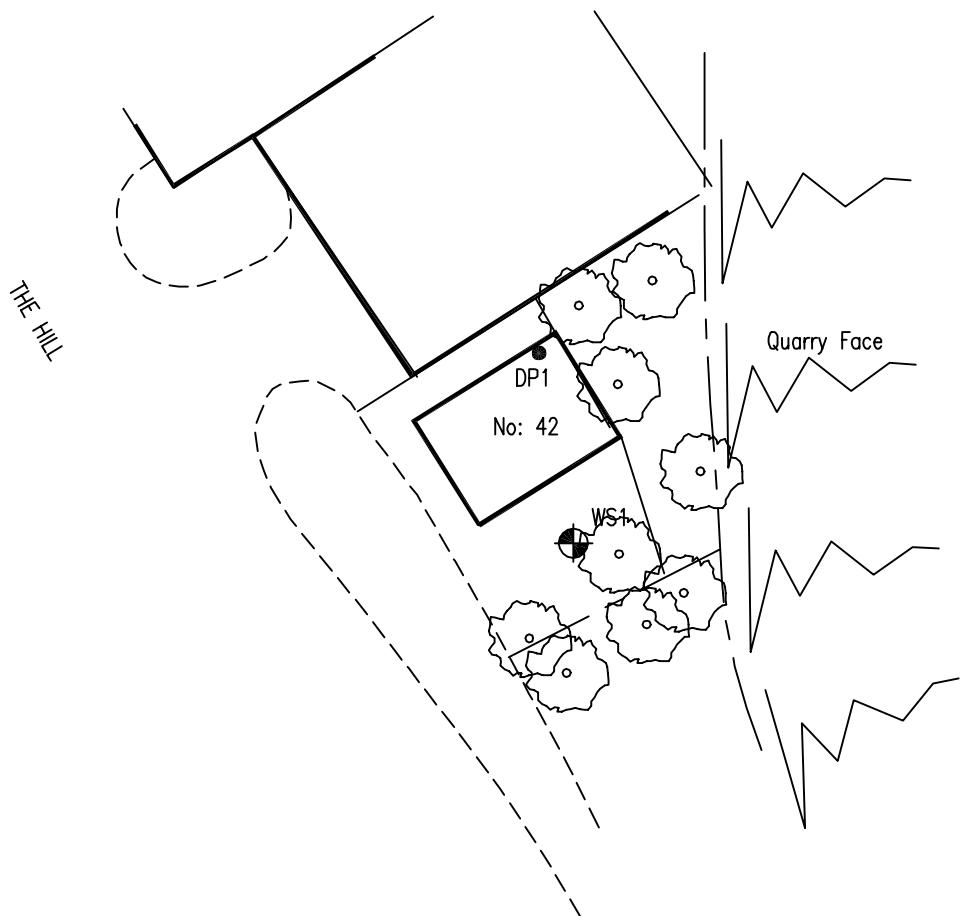
□

Final Depth (m) 13.70

Operator : MK

DCP No.

DP1



Scale: nts

Drawn : MRK

Location : 42 The Hill, Northfleet, Kent

Report: 07276/22

Title : SITE LOCATION PLAN

Fig. No.: 2



Gravesend

20130924  
- 3 OCT 2013

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