



FACTUAL REPORT OF INVESTIGATION

AT:- Abbey Bottom Farm, Harwich Road, Wix.

ON:- 2nd February 2017

FOR:- Mr & Mrs Milwain

REF:-

JOB No:- MI2828

Site Location Plan

Sheet: 1 of 1

Job No: MI2828

Scale: Not to scale

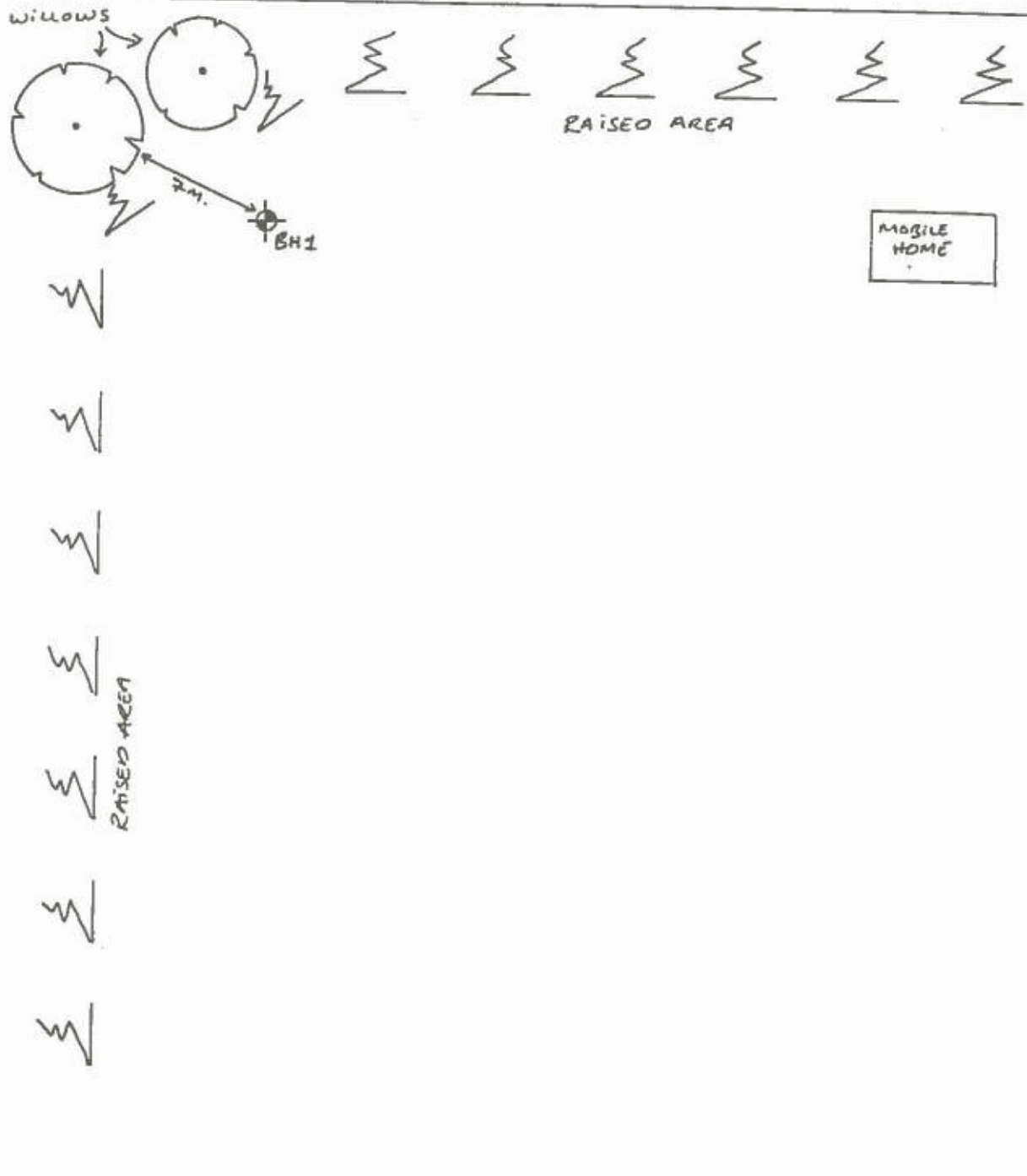
Date: 02/02/2017

Client: Mr & Mrs Milwain.




Tel/Fax 01245 237555 Mobile 07810 820620

Site: Abbey Bottom Farm, Harwich Road, Wix.


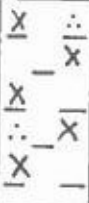
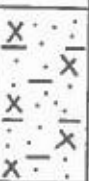
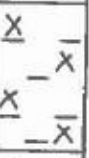
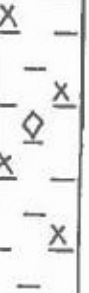
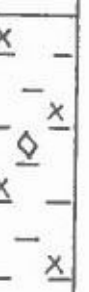


Remarks ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED.

- Key:
- Trial Pit
 - MH Man Hole
 - SVP Soil Vent Pipe
 - RWP Rain Water Pipe
 - Borehole
 - Gulley
 - Tree / Bush (approx. ht. in m)

Borehole No: 1	Sheet: 1 of 1	 Tel/Fax 01245 237555 Mobile 07810 820620
	Job No: MI2828	
Boring Method: 100mmØ CFA	Date: 02/02/2017	

Client: Mr & Mrs Jayne Milwain.	Site: Abbey Bottom Farm, Harwich Rd, Wix
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Depth (m)	Description of Strata	Thick-ness (m)	Legend	Sample	Test Type	Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	TURF, over MADE GROUND: Firm, mid brown, gravelly, sandy, very silty, CLAY, with brick fragments.	1.3		•	V	56 58	1.0	1.2 Numerous roots of live appearance to Imm to 1.6 Numerous hair & fibrous roots to 2.1m. No roots observed below 2.1m. Water strike at Water standing at on completion.	
1.3	Firm, mid brown, sandy, very silty, CLAY. Thinly laminated with orange & brown silt & fine sand.	1.9		•	V	68 70	1.5 2.0		
3.2	Firm, mid brown, mottled orange & grey, very sandy, very silty, CLAY. Thinly laminated with orange & brown silt & fine sand.	1.5		•	V	70 72	2.5 3.0		
4.7	Stiff, mid brown, mottled grey, very silty, CLAY. Thinly laminated with orange & brown silt & fine sand.	700		•	V	110 114	4.0 5.0		
5.4	Very stiff, mid grey, silty, CLAY, with crystals.	3.2		•	V	210 214	6.0		
8.6	Very stiff, mid to dark grey, silty, CLAY, with crystals.	3.4		•	V	240+ 240+	8.0 10.0		
12.0	Borehole ends at 12.0m.			•	V	240+ 240+	12.0		

Remarks: Borehole open on completion.

- Key:
- Small disturbed sample
 - B Bulk disturbed sample
 - U Undisturbed sample(U100)
 - W Water sample
 - J Jar sample
 - V Pilcon Vane (kPa)
 - I Mackintosh Probe
 - Standard penetration test
 - N SPT blow count



Trentside Geotechnical Testing

Highlands Farm, Southend Road

Rettendon, Essex, CM3 8EB

Telephone/Fax: 020 3488 0311 Mobile: 07508 853739

Email: info@trentsidegeotechnical.co.uk Website: www.trentsidegeotechnical.co.uk



Geotechnical Testing

Client : Soil Investigation Eastern

Site Name : Abbey Bottom Farm, Harwich Road, Wix, CO11 2RY

Client Reference : MI2828

Laboratory Reference : TGT2186

Date of Completion : 19-Feb



Content Summary

Lab Reference : TGT2186

Client Reference : MI2828

For the attention of : Sandra Brown

This report comprises of the following :

- 1 Test Summary Reports
- 1 Moisture vs Depth Chart
- 1 Plasticity Chart
- 1 Limitations of Report

Notes :

General

Please refer to report summary notes for details pertaining to methods undertaken and their subsequent accreditations

Samples were supplied by Customer

All tests performed in-house unless otherwise stated

Deviant Samples

Samples were received in suitable containers	Yes
A date and time of sampling was provided	Yes
Arrived damage/denaturing free	Yes

Laboratory Testing Results

BS 1377 : 1990

Job Number : TGT2186

Client : Soil Investigation Eastern

Client Reference : M12628

Site Name : Abbey Bottom Farm, Harwich Road, Wix, CO11 2RW

Date Received : 10/02/2017

Date Testing Started : 12/02/2017

Date Testing Completed : 19/02/2017

Laboratory Used : Trenside Geotechnical, CM3 8EB

#(17) WS	Sample Ref		Moisture Content (M)(11)	Soil F ₅₀ (N)(12)	Liquid Limit (N)(13)	Plastic Limit (N)(14)	Plasticity Index (N)(15)	Modified Plasticity Index (N)(16)	Soil Class (17)	Filter Paper Contact Time (N)(18)	Soil Sample Section (19)	Initial Shear Vane Strength (kPa)(9)	Organic Content (N)(10)	pH Value (11)	Sulphate Content	
	Depth (m)	UD													SO ₂ (11)	SO ₃ (12)
BH1	1.0	17-0528	34	22								57				
BH1	1.5	17-0529	36	<5	40	19	21	21	CI					7.4	0.10	0.12
BH1	2.0	17-0530	33	<5								69				
BH1	2.5	17-0531	35	<5	47	18	29	29	CI							
BH1	3.0	17-0532	33	<5												
BH1	4.0	17-0533	33	<5												
BH1	5.0	17-0534	29	<5												

Notes :-

(1) BS 1377 : Part 2 : 1990, Test No 3.2

(2) Estimated if <5%, otherwise measured

(3) BS 1377 : Part 2 : 1990, Test No 4.4

(4) BS 1377 : Part 2 : 1990, Test No 5.3

(5) BS 1377 : Part 2 : 1990, Test No 5.4

(6) BSE Digest 240 : 1993

(7) BS 5930 : 1981 : Figure 31 - Plasticity Chart for the classification of fine soils

(8) In house method S1a adapted from BS (IP 473)

(9) Values of shear strength were determined in situ by using a Picon field vane or Geomac vane (GV)

(10) BS 1377 : Part 3 : 1990, Test No 4

(11) BS 1377 : Part 2 : 1990, Test No 9

Key

D Disturbed sample

B Bulk sample

U U100 (undisturbed sample)

W Water sample

ENF Essentially Non-Fluic

UPS Underlain foundation

Note that the SO₂ content falls into the DS-4 or DS-5 class. It would be prudent to consider the sample as falling into the DS-4 or DS-5 class (respectively) unless water soluble magnesium testing is undertaken to prove otherwise

(12) BS 1377 : Part 3 : 1990, Test No 5.5

(13) SO₂ = 1.3 x SO₃

(14) BSE Special Digest One (Concrete in Aggressive Ground) 2005

Technician : GW

Checked By : GW

Date Checked : 19 Feb 17

Comments :

Laboratory Testing Results

Moisture Content/Shear Strength Profile



Job Number : TGT2186

Client : Soil Investigation Eastern

Client Reference : M12828

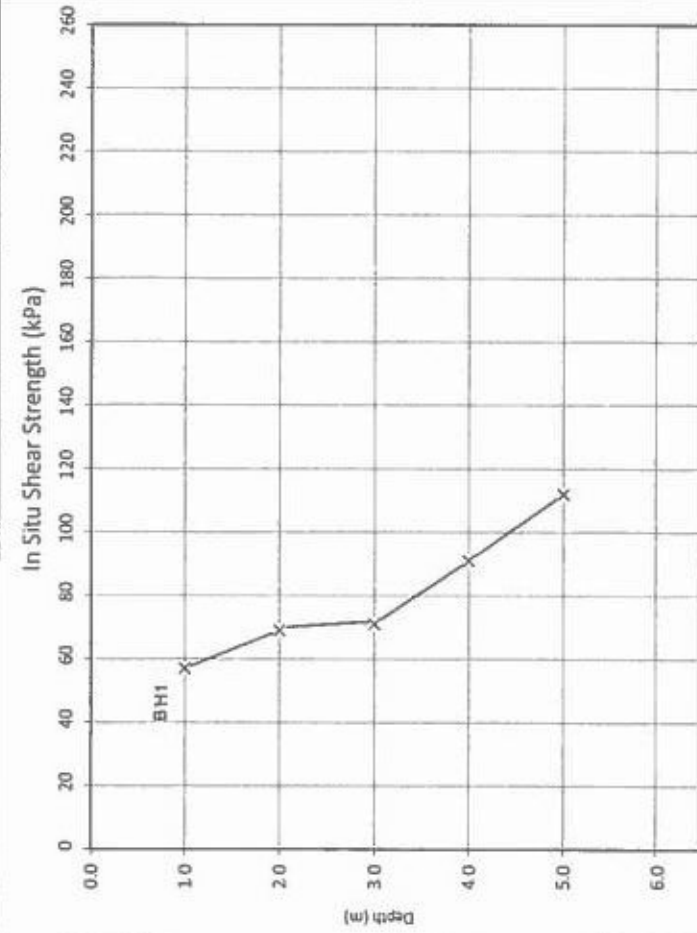
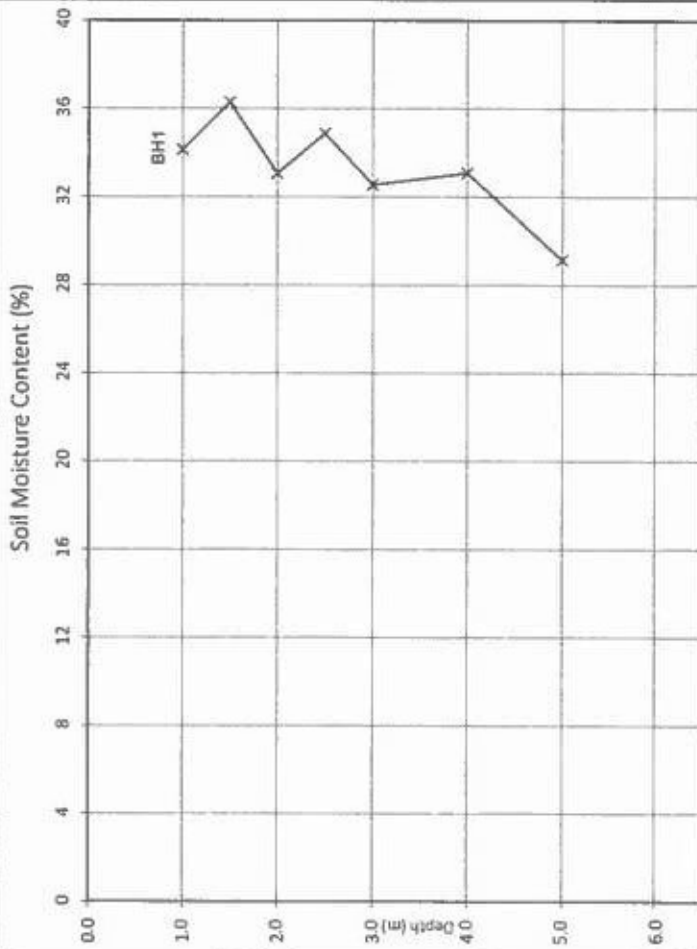
Site Name : Abbey Bottom Farm, Harwich Road, Wix, CO11 2RY

Date Received : 10/02/2017

Date Testing Started : 12/02/2017

Date Testing Completed : 19/02/2017

Laboratory : Trentside Geotechnical, CM3 REB



Notes :-

1. If the Soil Fraction > 0.425mm exceeds 5% the Equivalent Moisture Content of the remainder (calculated in accordance with BS 1377: Part 2 : 1990, cl.3.2.4 note 1) is also plotted and the alternative profile additionally shown as an appropriately coloured broken line.
2. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly over consolidated clays) at shallow depths.

Comments :-

Unless otherwise stated, values of Shear Strength were determined in situ by using a Piccon Hand Vane the calibration of which is limited to a maximum reading of 140 kPa.

Checked By :- GW

Date Checked :- 19-Feb-17

Laboratory Testing Results

Plasticity Chart for the classification of fine soils and the finer part of coarse soils
in compliance with BS5930 : 1999



Job Number : TGT2186

Client : Soil Investigation Eastern

Client Reference : M12 B2B

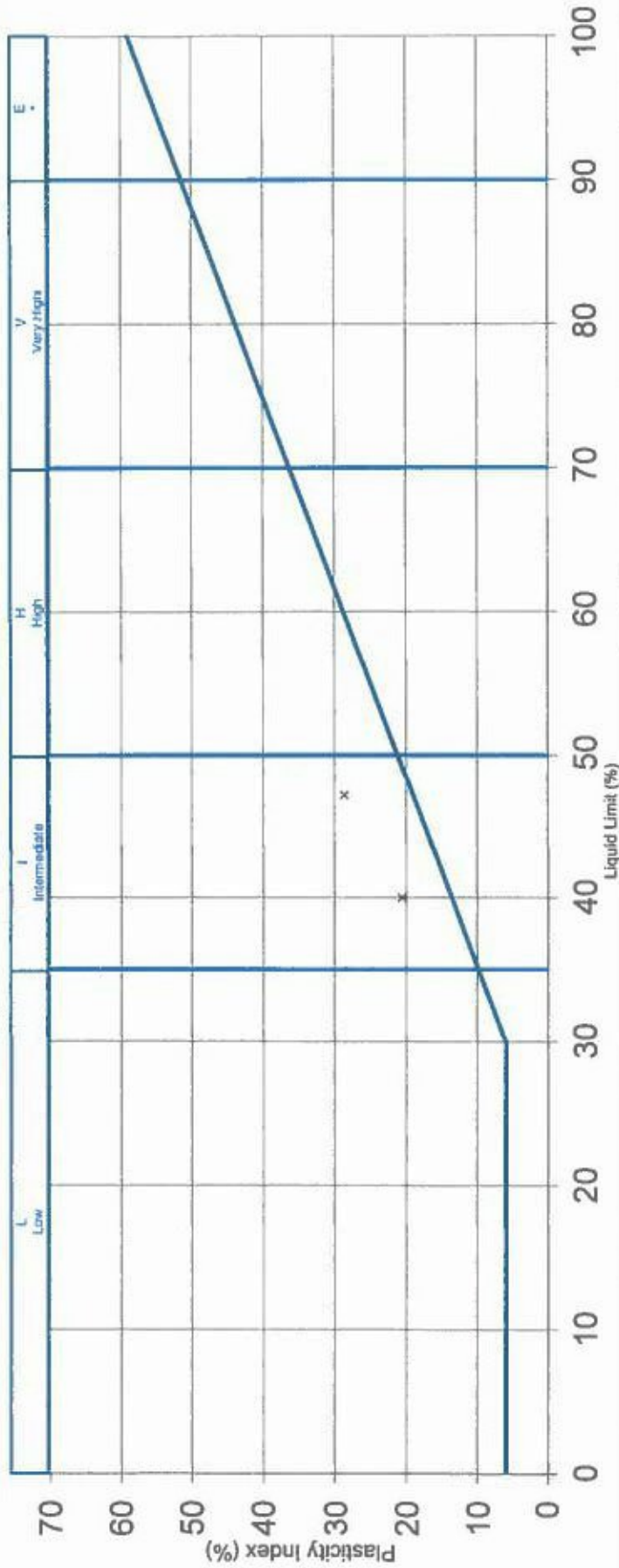
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Date Received : 10/02/2017

Date Testing Started : 12/02/2017

Date Testing Completed : 19/02/2017

Laboratory: Trentside Geotechnical CM3 8FB



Notes :-

SLT (M-SOIL), M, plots below A-Line

CLAY, C, plots above A-Line (M and C may be combined as FINE SOIL, F.

Soil: B41

Comments :-

Checked By :- GW

Date Checked :- 19 Feb 17



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This report shall not be reproduced, except in full, without the written approval of the testing laboratory.

Where our involvement consists exclusively of testing samples, the results and comments (if provided) relate only to the samples tested.

Any samples that are deemed to be subject to deviation will be recorded as such within the test summary.