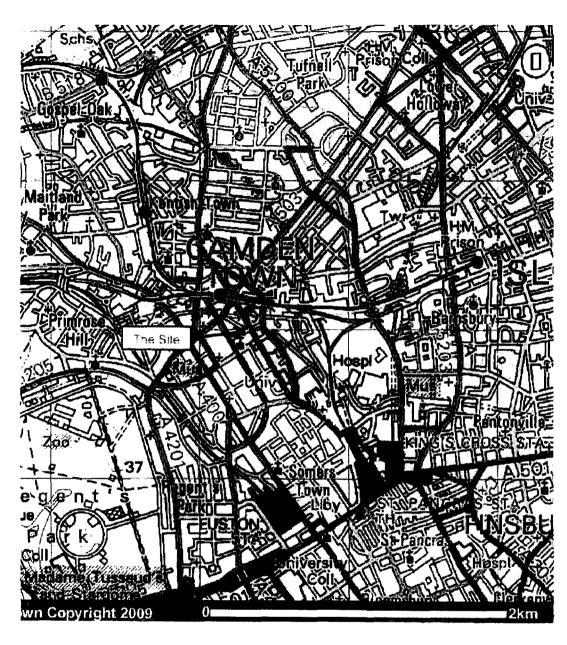
# Figures 1 & 2

#### **Site Location Plan**

Figure 1





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Project : Elm Village, Camden, London NW1

Client : Wynne Williams Associates Limited

GROUND ENGINEERING LTD

Project No. C11779

Peterborough Tel: 01733 566566

# **Exploratory Hole Location Plan** Figure 2 25m **KEY** Trial Pits TP1 to TP5 GROUND Project : Elm Village, Camden, London NW1 Project No. **ENGINEERING LTD**

C11779

Peterborough Tel: 01733 566566

Client: Wynne Williams Associates Limited

# Appendix 1

Records
of
Trial Pits TP1 to TP5

ENGINE	ERING	Site:		TRIAL PIT TP1					
Geo-Environment 01733 586566		Oate: 19/1	Pit Size: 0.50m L x 0.50m W x 1.00	Om D. Ground Level:	50.50m. O.D				
Samples and		(Date) Water	Description of Strata	Legend	Depth	0.D. Level			
Depth m 0.05	Type Result		MADE GROUND - Dark brown, locally black, very gr clayey, silty SAND. Gravel of angular brick, con flint.	avelly, crete and	m	m			
0.20	02		fint.						
0.40	03	İ	MADE GROUND - Stiff, friable, gravelly, slightly SILT. Gravel of angular brick, flint and rounded	sandy CLAY/	0.40	50.10			
0.60	D4		SILI. Gravet of angular brick, filmt and rounded	Ì					
0.80	D5			·					
1.00	D6		COMCRETE obstruction.		1.00	49.50			
			Pit abandoned at 1.00m depth						
		ľ							
ener sammen melt er oder sakstylstede eller fill farmere						i I			
		,							
						!			
KEY D - Disturb	ed Sample	REMARKS	. Pit abandoned at 1.00m depth		1	L			
B - Bulk Se	ample urbed Sample ample Sample nple		. Pit abandoned at 1.00m depth . Pit dry . Pit sides stable						
Y Water F Yc Level or MP - Mackin P() - Hand P Cohesic	Rise n completion tosh Probe enetrometer on ( ) kPa								
V - Vane Si Cohesio	hear Test on ( ) kPa				Scale 1:25	Page			

ENGINEERING		Site: I	ELM V	TRIAL PIT TP2				
ENGINE		NG	Date:		Pit Size: 0.50m L x 0.50m W x 1.00m D.		112	
Geo-Environmental 01733 566566	Special	lists	19/	08/09		Ground Level:	48.40	m. O.D.
	Samples and in-situ Tests		(Date)					0.0.
Depth m	Туре	Result	Water		Description of Strata	Legend	Depth m	Level m
0.05	D1			MADE grave glass	GROUND - Stiff, friable, dark brown, slightly sandy, lly, organic CLAY with dead roots. Gravel of angular , concrete and flint.		0.20	48.20
0.40	03			MADE angul	GROUND - Brown, gravelly, silty fine SAND. Gravel of ar concrete, flint and rounded quartz.			-
0.60	D4							_
0.80	05					ļ.		
1.00	D6			****		<u></u>	1.00	47.40
				Pit c	ompleted at 1.00m depth			
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KEY  D - Disturbec  B Bulk Sam  U Undisturb  R Rool San  W - Water Sa  J - Jar Sam  V Water St	nple ped Sam nple ample ple rike	e ple	REMARKS	1. Pit 2. Pit	dry sides stable	J		
▼ Water Ris ▼c Level on MP Mackinto Pr Hand Per	complet sh Prob	8	į				Proje	
P( Hand Penetrometer Cohesion () kPa V - Vane Shear Test Cohesion () kPa							Scale 1:25	Page

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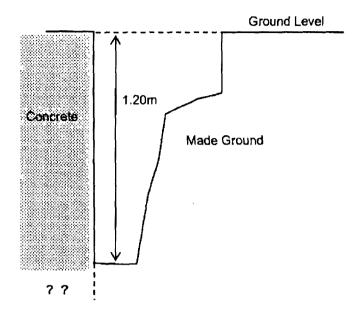
GAOUM	4		Site: I	ELM V	ILLAGE, CAMDEN, LONDON	Tf	RIAL PI	Т
ENGINE		JC.					TP3	
			Date:	00.000				
Geo-Environmental 01733 566566	Special	lists	19/0	08/09	Ground Level:	48.50	m. O.D.	
Samples and in-	amples and in-situ Tests		(Date)				0.0.	
Depth m	Туре	Result	Water		Description of Strata	Legend	Depth m	Level m
Бердіі ін	.,,,,	TOOGIC		MADE	GROUND -Brown, gravelly, clayey, silty fine SAND with	<del>                                     </del>		-"-
				to ro	GROUND -Brown, gravelly, clayey, silty fine SAND with and occasional cobbles. Gravel and cobbles of angular unded chalk, concrete, flint and quartz.			
0.20-0.50	B1		,					-
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			1	-	The second secon	<del> </del>	1.20	47.30
				Pit c	completed at 1.20m depth			
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KEY	<u></u>	<u> </u>	REMARKS	1			L	
D - Disturbed		e		1. Pit 2. Pit	dry sides stable			1
B - Bulk Sam U - Undisturb		pie	1					
R - Root Sam			<b>!</b>					
W - Water Sa J - Jar Samp	le							
▼ Water Str ▼ Water Ris								
To Level on o	complet	lion e					Proje	
P() - Hand Pen	etrome						117	
Cohesion V - Vane She	() kPa						Scale	Page
v - vane Sne Cohesion			Ì			,	1:25	1/1

ENGINEERING		Site:	elm V	Т	TRIAL PIT							
Geo-Environmental 01733 566566			Date: Pit Size: 0.50m L x 0.50m W x 1.20m D. 19/08/09							48.50m. O.D.		
Samples and in	r-situ Te	Τ	(Date) Water			Description of St	/ Strata		Legend	Depth m	O.D. Level	
0.20-0.50	81	Nesuk		MADE (angul	JRÒUND - Bro⊌n ar brick, conc	, very grave rete, flint,	lly, silty SA pottery and	ND. Gravel of rounded quartz				
				Pit c	ompleted at 1.	20m depth		No. 1 Warm	<u>:</u>	1.20	47.30	
-											-	
											-	
											-	
·		ST STANDARD										
-												
KEY D - Disturbed B - Bulk Sam U - Undisturb R - Root Sam W - Water Sa J - Jar Samp Y Water St Y Water St	ple sed Sam aple imple sie rike se		REMARKS	1. Pit 2. Pit	dry sides stable							
MP - Mackinto P() - Hand Pen Cohesion V - Vane She Cohesion	sh Prob letrome () kPa par Test	e ler								Proje 117 Scale 1:25	cl No 79 Page 1/1	

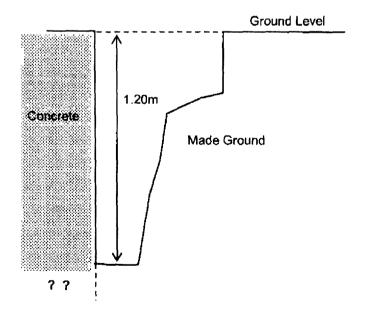
GROUNT			Site: 1	LM VILLAGE, CAMDEN, LONDON	TF	RIAL PI	Т	
ENGINEE		1G				TP5		
Geo-Environmental	Special	ists	Date: 19/0	Pit Size: 1.00m L x 0.50m W x 0.30m D.	Ground Leval:	45.00m. O.D.		
Samples and in-	silv Te	sts	(Dale)	Description of Strata	Lagend	Depth	O.D. Level	
Depth m	Туре	Result	Water			m	m	
				MADE GROUND - CONCRETE. MADE GROUND - Lean mix concrete. MADE GROUND - CONCRETE slab obstruction.		0.04	44.96 44.90	
				The second value of the second		0.30	44.70	
_				Pit completed at 0.30m depth				
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-  -  -4= <sub>a</sub>								
KEY			REMARKS	1. Pit abandoned at 0.10m denth	<u> </u>			
D - Disturbed B - Bulk Samp	ple	s nle		1. Pit abandoned <b>at 0.10m depth</b> 2. Pit dry 3. Pit sides <b>stable</b>				
U - Undisturbe R - Root Sam W - Water Sar	pie	μισ						
J - Jar Sampl ▼ Water Stri	e							
▼ Water Rise	æ	ion			i	Desi-	al No	
MP - Mackintos P() - Hand Pene	h Probe	2				Projec 117		
Cohesion ( V - Vane She	()kPa					Scale 1:25	Page	

#### **Cross Sections of Trial Pits TP3 and TP4**

Trial pit TP3



#### Trial pit TP4



Not To Scale

Project : Elm Village, Camden, London NW1

Client: Wynne Williams Associates Limited

GROUND ENGINEERING LTD

Peterborough Tel: 01733 566566

Project No.

C11779

# Appendix 2

CBR Results (1 Page)

#### LABORATORY TEST RESULTS

CONTRACT ELM VILLAGE, CAMDEN, LONDON

				Classif	fication		Decis	nty		Triaxial Compression				Suppressions (only)			C.E		C.B.R.			
rrial- pit	Semple	Depth m	Liquid Limit %	Plestic Live:	Plesticity Index %	Moisture Content %	Bulk Mg/m <sup>3</sup>	Dry Mg/m <sup>3</sup>	Турв	Principal Stress Difference kPa	Cell Pressure kPa	Shear Strength kPa	Angle of Shear Resistance degrees	So Total % Dry Wt.	Aqueous Extrect mg/l	Water mg/l	ρΗ	Top	Base %	Floritatika		
TP3	81	0.20 - 0.50				14	1.82	1.59										18	17	16% retained on 20mm sieve		
TP4	B1	0.20 - 0.50				10	1.86	1.69										. 31	30	16% retained on 20mm sieve		

U - UNDISTURBED SAMPLE

D - DISTURBED SAMPLE

B - BULK SAMPLE W - WATER SAMPLE C.U. - CONSOLIDATED UNDRAINED

C.D. - CONSOLIDATED DRAINED

Q. - IMMEDIATE UNDRAINED

Q.M. - IMMEDIATE UNDRAINED MULTISTAGE

Aqueous Extract 2:1 Water:Soil

C.B.R. - CALIFORNIA BEARING RATIO

11779

### Appendix 3

### Laboratory Chemical Test Results and Topsoil Analysis

(9 Pages)



Depot Road Newmarket CB8 0AL Tel: 01638 606070

Ground Engineering Newark Road Peterborough

PE1 5UA

FAO John Gibb 16 September 2009

Dear John Gibb

**Test Report Number** 

57784

Your Project Reference

Elm Village, Camden, London

Please find enclosed the results of analysis for the samples received 7 September 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely

o Darrell Hall

Laboratory Manager

ے Phil Hellier w Keith Jones Operations Director Technical Development Manager

□ John Crawford p Malcolm Avis

**Quality Manager Technical Director** 

#### **Authorised Signatory**

>1 Jones

Notes to accompany report:

The sign < means 'less then'

Tests marked 'U' hold UKAS accreditation

Tests marked 'M' hold MCertS (and UKAS) accreditation

Tests marked 'N' do not currently hold UKAS accreditation

Tests marked 'S' were subcontracted to an approved laboratory

n/e means 'not evaluated'

Vs means 'insufficient sample'

u/s means 'unsuliable sample'

Comments or interpretations are beyond the scope of UKAS

accreditation

The results relate only to the items tested

Test Report 57784 Cover Sheet