

# Figures 1 & 2

# Site Location Plan

Figure 1



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Project : Elm Village, Camden, London NW1

Client : Wynne Williams Associates Limited

**GROUND  
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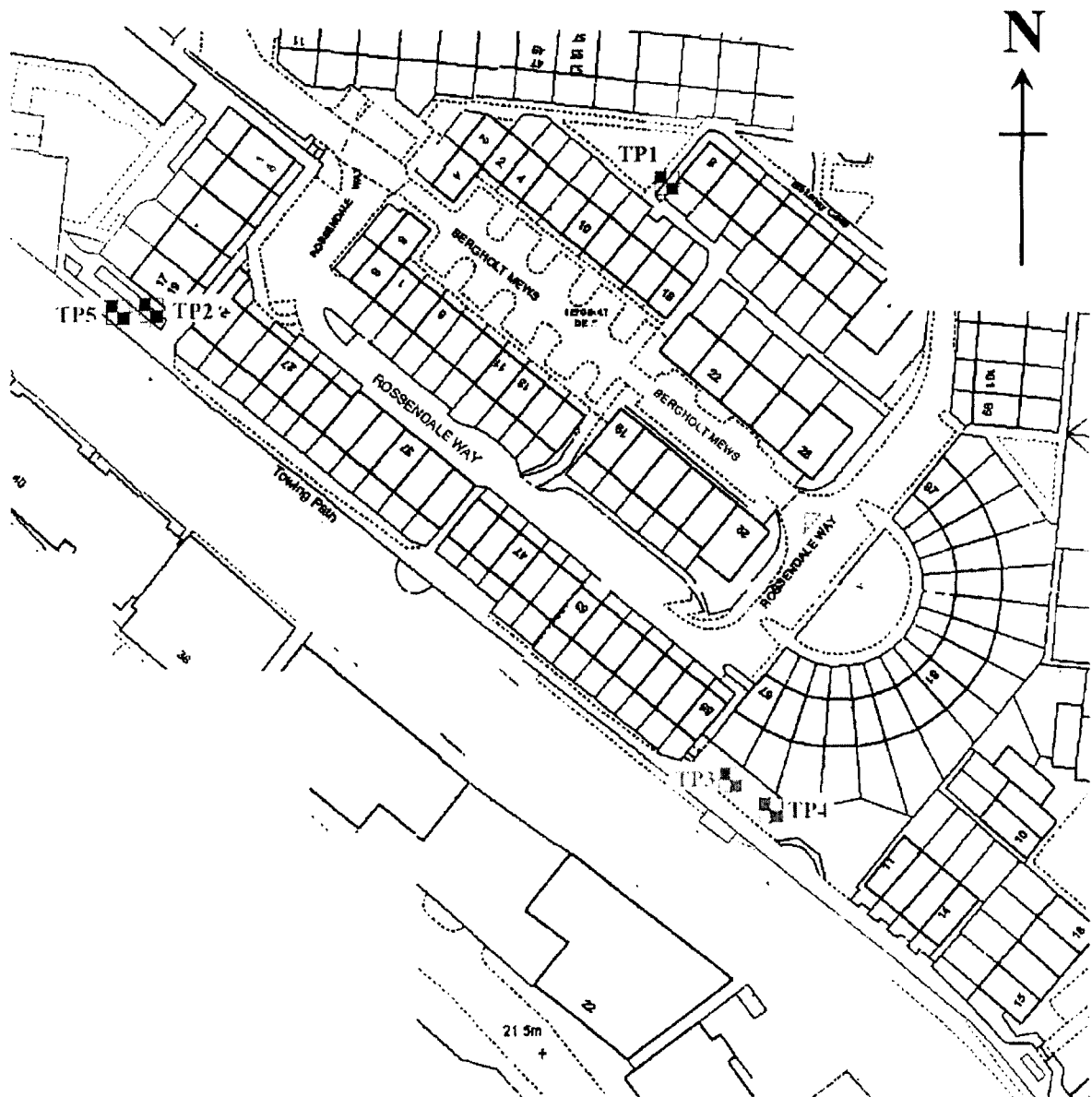
Peterborough Tel : 01733 566566

Project No.

C11779

# Exploratory Hole Location Plan

Figure 2



## KEY

 Trial Pits TP1 to TP5

Project : Elm Village, Camden, London NW1

Client : Wynne Williams Associates Limited

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# **Appendix 1**

## **Records of Trial Pits TP1 to TP5**

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<b>GROUND ENGINEERING</b> Geo-Environmental Specialists 01733 566566			Site: <b>ELM VILLAGE, CAMDEN, LONDON</b>		<b>TRIAL PIT TP3</b>									
Date: 19/08/09			Pit Size: 0.50m L x 0.50m W x 1.20m D.		Ground Level: 48.50m. O.D.									
<b>Samples and in-situ Tests</b>			(Date) Water	Description of Strata	Legend	Depth m								
Depth m	Type	Result				O.D. Level m								
0.20-0.50	B1			MADE GROUND -Brown, gravelly, clayey, silty fine SAND with roots and occasional cobbles. Gravel and cobbles of angular to rounded chalk, concrete, flint and quartz.										
						1.20								
				Pit completed at 1.20m depth		47.30								
<b>KEY</b> D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample R - Root Sample W - Water Sample J - Jar Sample ☒ - Water Strike ☒ - Water Rise ☒c - Level on completion MP - Mackintosh Probe P( ) - Hand Penetrometer Cohesion ( ) kPa V - Vane Shear Test Cohesion ( ) kPa			<b>REMARKS</b> 1. Pit dry 2. Pit sides stable											
			<table border="1"> <tr> <td colspan="2">Project No</td> </tr> <tr> <td colspan="2">11779</td> </tr> <tr> <td>Scale</td> <td>Page</td> </tr> <tr> <td>1:25</td> <td>1/1</td> </tr> </table>				Project No		11779		Scale	Page	1:25	1/1
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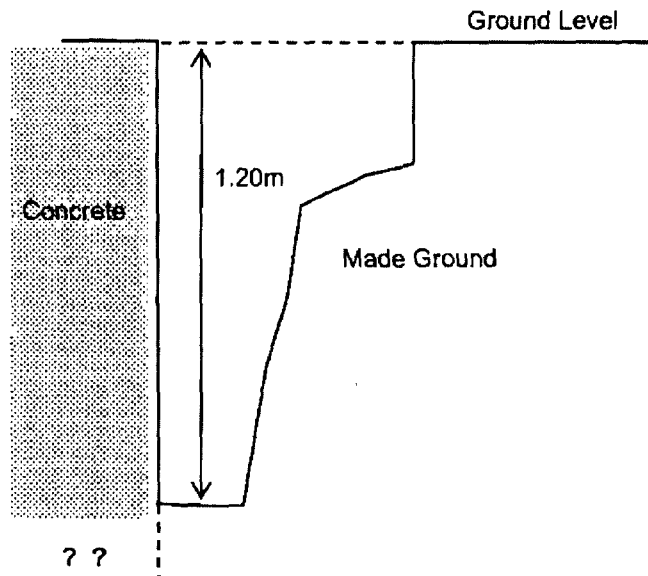
<b>ENGINEERING</b> Geo-Environmental Specialists 01733 566566			Site: <b>ELM VILLAGE, CAMDEN, LONDON</b>		TRIAL PIT <b>TP4</b>					
			Date: 19/08/09	Pit Size: 0.50m L x 0.50m W x 1.20m D.		Ground Level: 48.50m. O.D.				
Samples and in-situ Tests			(Date) Water	Description of Strata	Legend	Depth m				
Depth m	Type	Result					O.D. Level m			
0.20-0.50	B1			MADE GROUND - Brown, very gravelly, silty SAND. Gravel of angular brick, concrete, flint, pottery and rounded quartz.						
				Pit completed at 1.20m depth		1.20 47.30				
<b>KEY</b> D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample R - Root Sample W - Water Sample J - Jar Sample ☒ - Water Strike ☒ - Water Rise ☒c - Level on completion MP - Mackintosh Probe P( ) - Hand Penetrometer Cohesion ( ) kPa V - Vane Shear Test Cohesion ( ) kPa			<b>REMARKS</b> 1. Pit dry 2. Pit sides stable							
			<table border="1"> <tr> <td colspan="2">Project No 11779</td> </tr> <tr> <td>Scale 1:25</td> <td>Page 1/1</td> </tr> </table>				Project No 11779		Scale 1:25	Page 1/1
Project No 11779										
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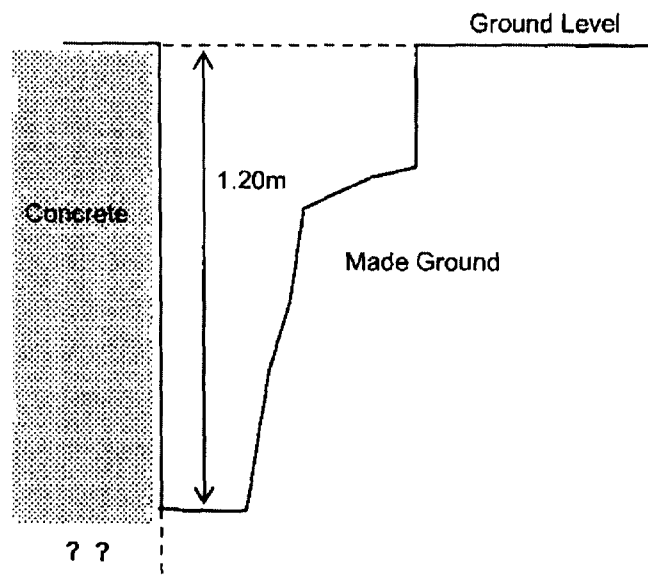
<b>GROUND ENGINEERING</b> Geo-Environmental Specialists 01733 566566			Site: <b>ELM VILLAGE, CAMDEN, LONDON</b>		<b>TRIAL PIT TP5</b>  Ground Level: 45.00m. O.D.		
			Date: 19/08/09	Pit Size: 1.00m L x 0.50m W x 0.30m D.			
<b>Samples and in-situ Tests</b>			(Date)	Description of Strata	Legend	Depth m	O.D. Level m
Depth m	Type	Result	Water				
				MADE GROUND - CONCRETE.		0.04	44.96
				MADE GROUND - Lean mix concrete.		0.10	44.90
				MADE GROUND - CONCRETE slab obstruction.		0.30	44.70
				Pit completed at 0.30m depth			
<b>KEY</b> D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample R - Root Sample W - Water Sample J - Jar Sample ∇ - Water Strike ∇ - Water Rise ∇c Level on completion MP - Mackintosh Probe P ( ) - Hand Penetrometer Cohesion ( ) kPa V - Vane Shear Test Cohesion ( ) kPa			<b>REMARKS</b> 1. Pit abandoned at 0.10m depth 2. Pit dry 3. Pit sides stable				
			<div style="float: right; border: 1px solid black; padding: 5px; width: fit-content;">         Project No 11779           Scale    Page 1:25    1/1       </div>				

## 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

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Project No.  
**C11779**

# **Appendix 2**

**CBR Results  
(1 Page)**

# LABORATORY TEST RESULTS

CONTRACT ELM VILLAGE, CAMDEN, LONDON

Trial-pit	Sample	Depth m	Classification				Density		Triaxial Compression					Sulphates (soil %)				C.B.R.		Remarks
			Liquid Limit %	Plastic Limit %	Plasticity Index %	Moisture Content %	Bulk Mg/m <sup>3</sup>	Dry Mg/m <sup>3</sup>	Type	Principal Stress Difference kPa	Cell Pressure kPa	Shear Strength kPa	Angle of Shear Resistance degrees	Soil		Water mg/l	pH	Top %	Base %	
														Total % Dry Wt.	Aqueous Extract mg/l					
TP3	B1	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

GROUND ENGINEERING PETERBOROUGH

11779

# **Appendix 3**

## **Laboratory Chemical Test Results and Topsoil Analysis**

**(9 Pages)**



# Chemtest

The right chemistry to deliver results

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](mailto: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

Authorised Signatory

<input type="checkbox"/> Darrell Hall	Laboratory Manager
<input type="checkbox"/> Phil Hellier	Operations Director
<input checked="" type="checkbox"/> Keith Jones	Technical Development Manager
<input type="checkbox"/> John Crawford	Quality Manager
<input type="checkbox"/> Malcolm Avis	Technical Director



*Notes to accompany report:*

- The sign < means 'less than'
- 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'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 57784 Cover Sheet