

## SITE INVESTIGATION FACTUAL REPORT

Report No: 383693  
Client: Cunningham Lindsey - Morley (Leeds)  
Site: 24 Rochester Square  
Client Ref: XXXXXXXXXX  
Date of Visit: 28/10/16



**Home Emergency Response - Subsidence Investigation - Drainage Services – Crack & Level Monitoring – Property Video Surveys**

Unit E2 First Floor Suite, Boundary Court  
Willow Farm Business Park, Castle Donington  
Leicestershire, DE74 2NN

☎ 0843 2272362  
✉ [enquiries@cet-uk.com](mailto:enquiries@cet-uk.com)  
🌐 [www.cet-uk.com](http://www.cet-uk.com)

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Registered in England No. 02527130

# Investigation Layout Plan

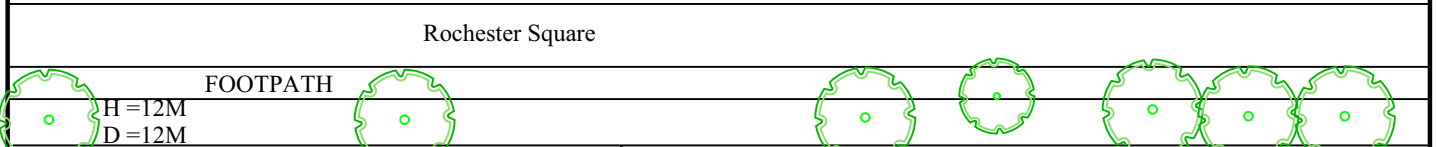
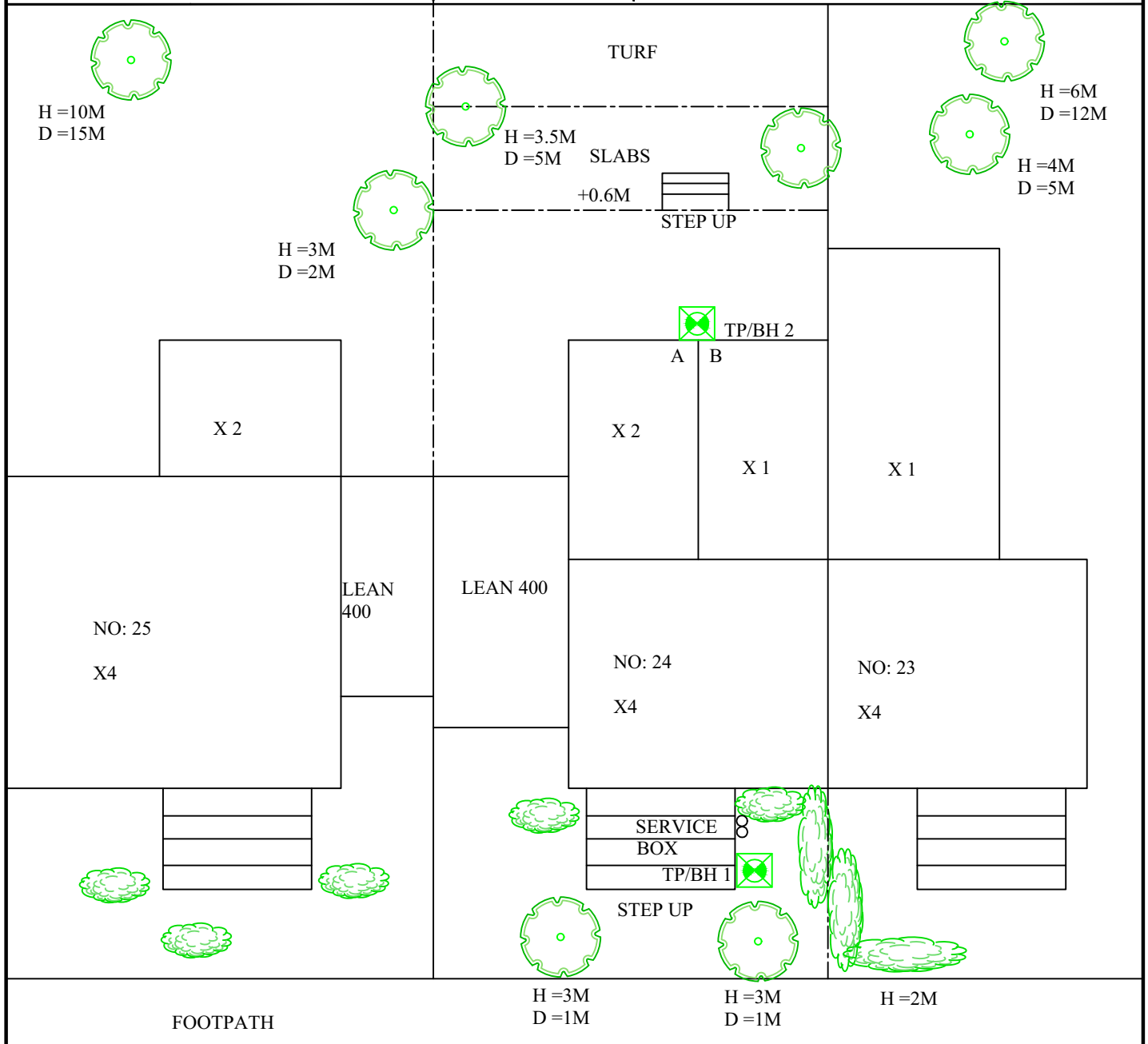
Sheet: 1 of 1  
Job No: 383693  
Date: 28/10/2016

Site: 24 Rochester Square

MH (SI) SA (Checked) PS (Drawn)

Weather: DRY

Work carried out for: Cunningham Lindsey



Remarks:

Scale: N.T.S.

Key:		Surface Water Drain	→
Combined Gully	RWWG	Foul Water Drain	→
Manhole	MH	Tree / Bush	
Rain Water Pipe	RWP	(approx. ht in m)	
Rain Water Gulley	RWG	Trial Pit	
Soil Vent Pipe	SVP	Borehole	
Waste Gulley	WG	O/D - Open Discharge	
Waste Pipe	WP		

# Trial Pit No: 1

Sheet: 1 of 1  
 Job No: 383693  
 Date: 28/10/16

Site: 24 Rochester Square, NW1

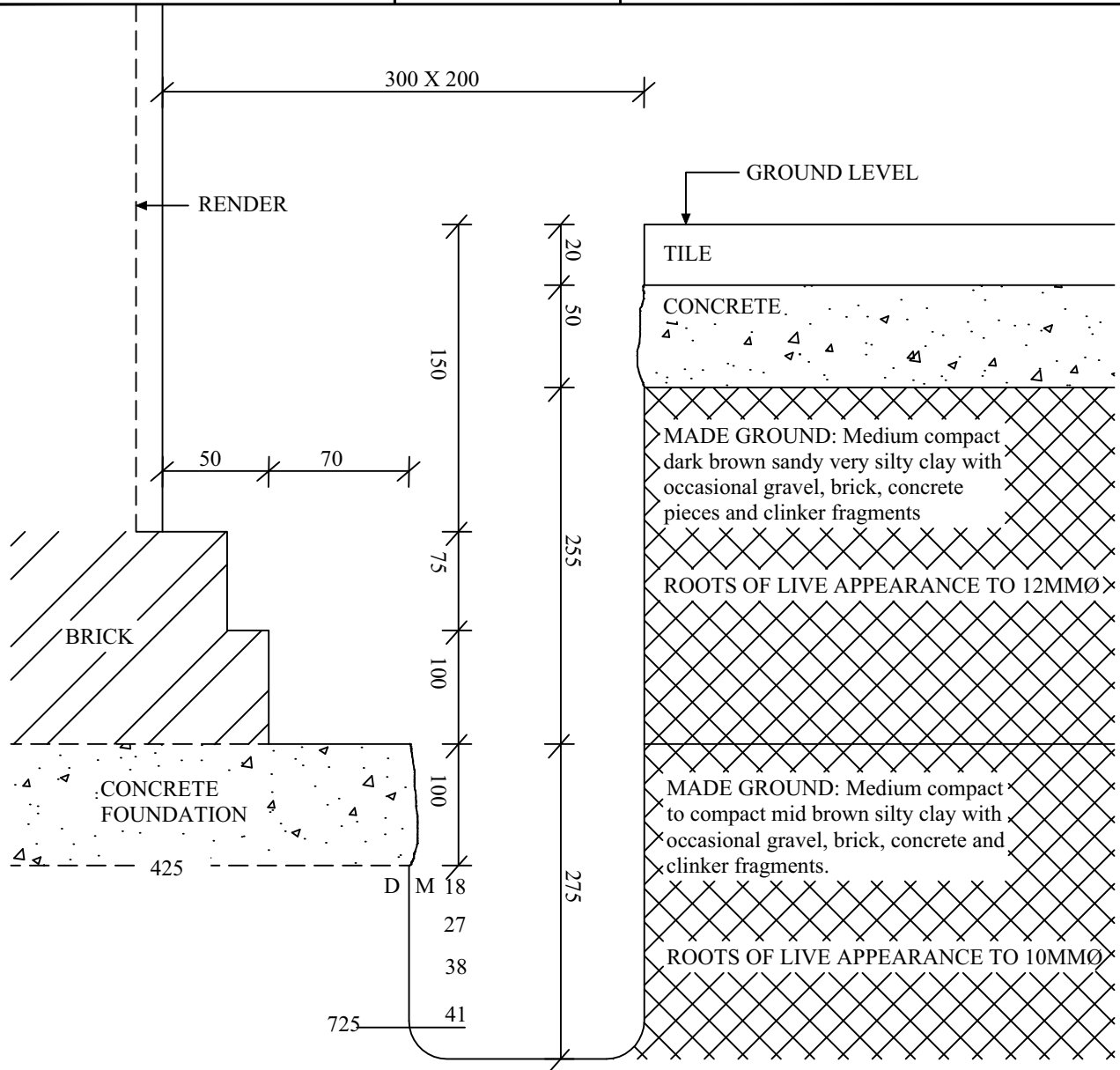
Hand Tools

Drawn by: SL

Work carried out for: Cunningham Lindsey

Weather: DRY

Ground Level mOD:



FOR STRATA BELOW 600MM SEE BH LOG 1

Remarks: All measurements in millimetres.  
 Small trial pit dug due to services in area, no mac probes done underside sample.

Key: D Small disturbed sample J Jar sample  
 B Bulk disturbed sample V Pilcon Vane (kPa)  
 W Water sample M Mackintosh probe  
 TDTD Too dense to drive

Logged: MH

Checked: SA

Approved:

Scale: N.T.S.

Borehole		1	Sheet:		1 of 1		Site:		24 Rochester Square		
			Job No:		383693		Date:		28/10/2016		
Boring Method:		Hand Auger		Ground Level:		Client:		Cunningham Lindsey - Morley (Leeds)			
Diameter (mm):		75		Weather:		Dry					
Depth	Soil Description						Thickness	Legend	Depth	Type	Result
(m)											
0.00	See Trial Pit						0.60				
0.60	MADEGROUND medium compact to compact mid brown silty sandy clay with gravel, brick and concrete pieces.						0.10	☒			
0.70	Very Stiff mid brown, grey veined silty CLAY with partings of orange silt and fine sand with claystone nodules.						0.70	☒			
								☒			
								☒	1.00	DV	140+
								☒			140+
								☒			
								☒			
1.40	Very Stiff mid brown, grey veined silty gravelly CLAY with partings of orange silt and fine sand.						0.20	☒			
								☒	1.50	DV	140+
1.60	End of BH										140+
Remarks: BH ends at 1.6m, gravel obstruction, too dense to hand auger. BH dry and open on completion. Dead and decomposing roots to 1.6m.						Key:				To	Max
								D - Disturbed Sample		Depth	Dia
						B - Bulk Sample		(m)	(mm)		
						W - Water Sample		Roots	1.60	2	
						J - Jar Sample		Roots			
						V - Pilcon Shear Vane (kP):		Roots			
						M - Mackintosh Probe		Depth to Water (m)			
						TDTD - Too Dense To Drive					
Logged:		AC		SA		Checked:		Approved:		Version V1.0 28/01/16 N.T.S.	

# Trial Pit No: 2 A

Sheet: 1 of 2  
 Job No: 383693  
 Date: 28/10/2016

Site: 24 Rochester Square, NW1

Hand Tools

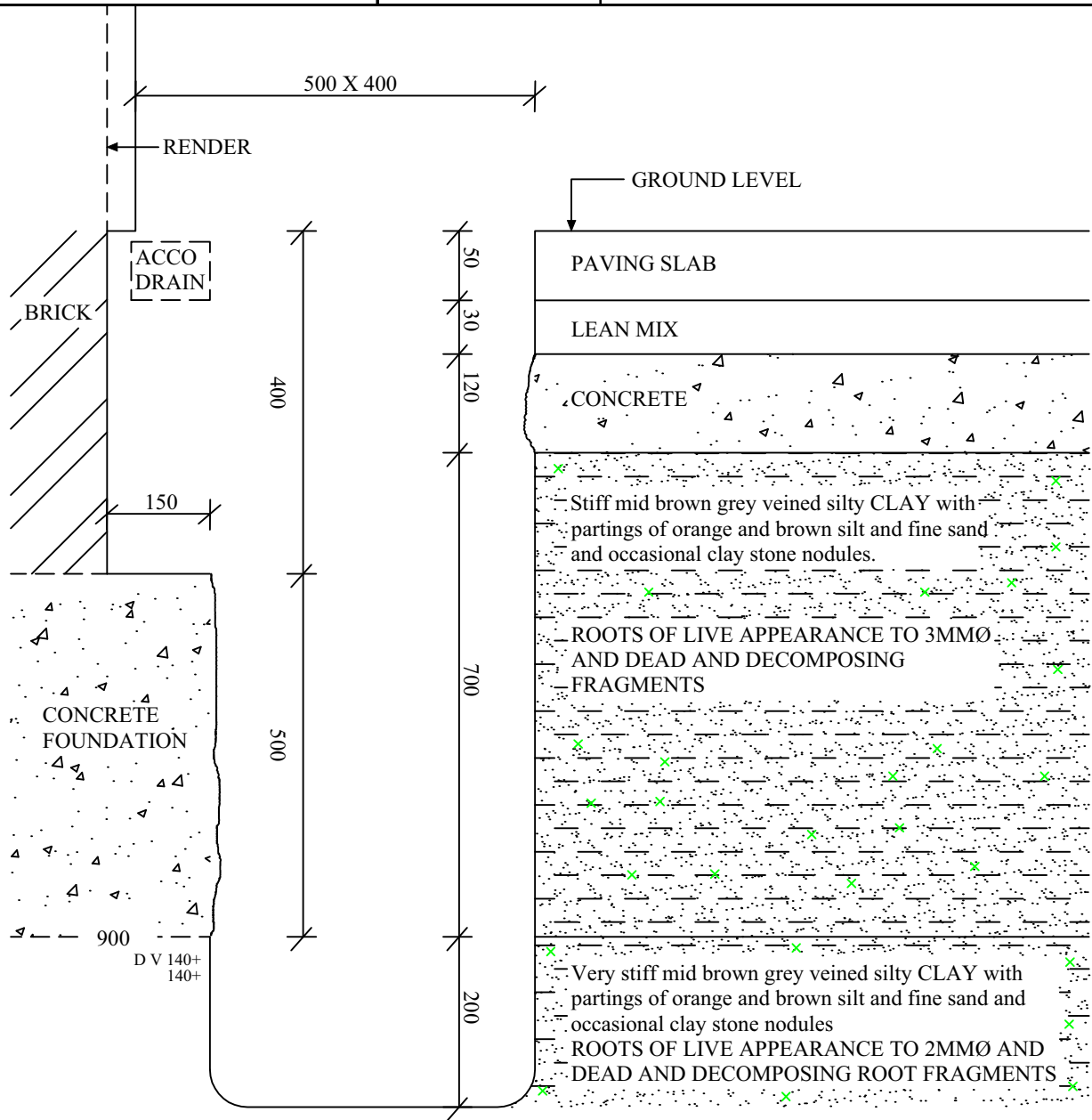
Drawn by: SL

Work carried out for:

Cunningham Lindsey

Weather: Dry

Ground Level mOD:



FOR STRATA BELOW 1100MM SEE BH LOG 2

Remarks: All measurements in millimetres.

Key:

D	Small disturbed sample	J	Jar sample
B	Bulk disturbed sample	V	Pilcon Vane (kPa)
W	Water sample	M	Mackintosh probe
TDTD Too dense to drive			

Logged: MH

Checked: SA

Approved:

Scale: N.T.S.

# Trial Pit No: 2 B

Sheet: 2 of 2  
 Job No: 383693  
 Date: 28/10/2016

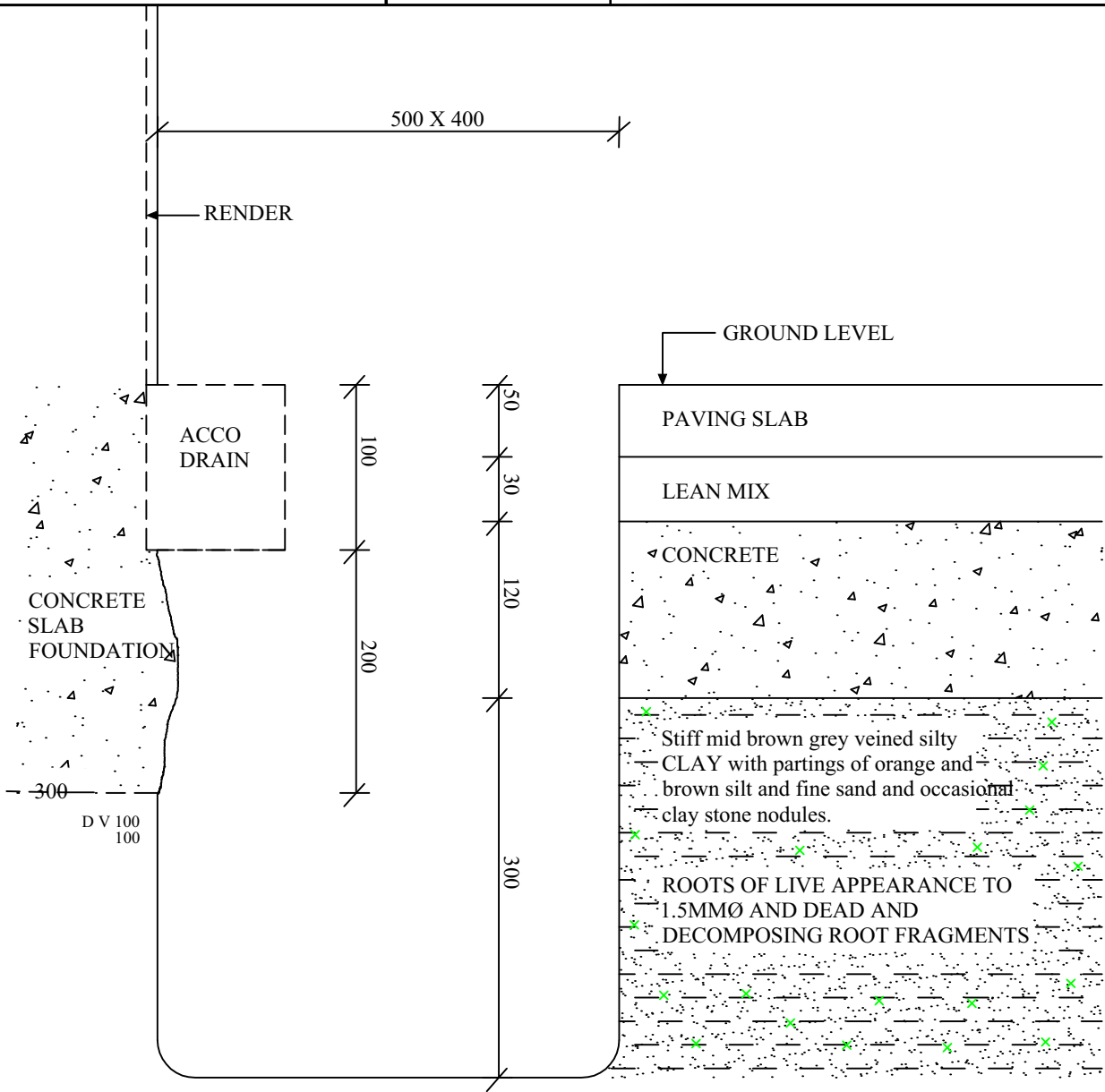
Site: 24 Rochester Square, NW1

Hand Tools

Drawn by: SL  
 Ground Level  
 mOD:

Work carried out for: Cunningham Lindsey

Weather: Dry



FOR STRATA BELOW 500MM SEE BH LOG 2

Remarks: All measurements in millimetres.

Key:

D	Small disturbed sample	J	Jar sample
B	Bulk disturbed sample	V	Pilcon Vane (kPa)
W	Water sample	M	Mackintosh probe
TDTD	Too dense to drive		

Logged: MH

Checked: SA

Approved:

Scale: N.T.S.



*Certificate of Analysis*

The following work was commissioned by CET on behalf of their client. Root samples were obtained in sealed packets from the above site with no reference given as to the types of tree or shrub from which they may have originated.

The results were as follows -

<u>Trial pit/ Borehole number</u>	<u>Root diameter (mm)</u>	<u>Tree, shrub or climber from which root originates</u>	<u>Result of starch test</u>
TP1 (USF)	10 mm	Laurus spp. 3 roots	Positive
TP1 (USF)	1 mm	Prunus spp.	Positive
TP1 (USF)	<1 mm	Leguminosae spp.	Negative
BH1 (1.6m)	1.5 mm	Laurus spp. 2 roots	Positive
BH1 (1.6m)	1 mm	Pomoideae gp. 2 roots	Positive
BH1 (1.6m)	5 mm	broadleaved species, too decayed for positive identification	Negative
TP2A (USF)	2 mm	Salix spp. † 2 roots	Positive
TP2B (USF)	1.5 mm	Salix spp. † 5 roots	Positive
BH2 (2.2-3m)	<1 mm	Salix spp. † 5 roots	Negative

Laurus spp. include bay laurel (the bay tree).


Prunus spp. include blackthorn, cherry, cherry-laurel, Portuguese laurel, peach, plum, and related species.

Leguminosae spp. include laburnum, Robinia (false acacia or locust), broom, the pagoda tree and the climber wisteria.

Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.

Salix spp. are willows.

† EPSL research has developed a unique ability to differentiate Willows from Poplars. We believe no other laboratory in the UK can currently provide this service. We now offer this benefit at no extra cost.



MDM

*Address for correspondence:* EPSL, Intec, Parc Menai, Bangor, Gwynedd, North Wales, LL57 4FG

*Telephone:* 01248 672 652

*e-mail:* [lab@innovation-environmental.co.uk](mailto:lab@innovation-environmental.co.uk)

*Head of Laboratory Services :* M D Mitchell B.Sc. (Hons), M.Phil.

*Plant Anatomist :* Dr G S Turner B.Sc. (Hons), M.Sc., Ph.D

*Plant Anatomist :* Dr D P Aebischer B.Sc. (Hons), M.Sc., Ph.D

*Consultant:* Dr M P Denne B.Sc. (Hons), M.Sc., Ph.D

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